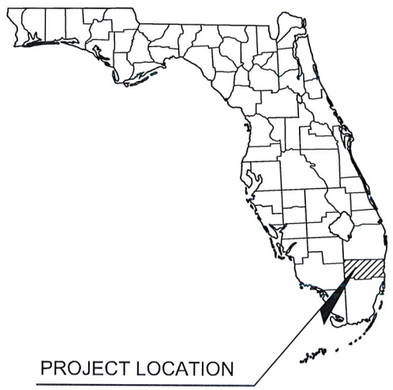
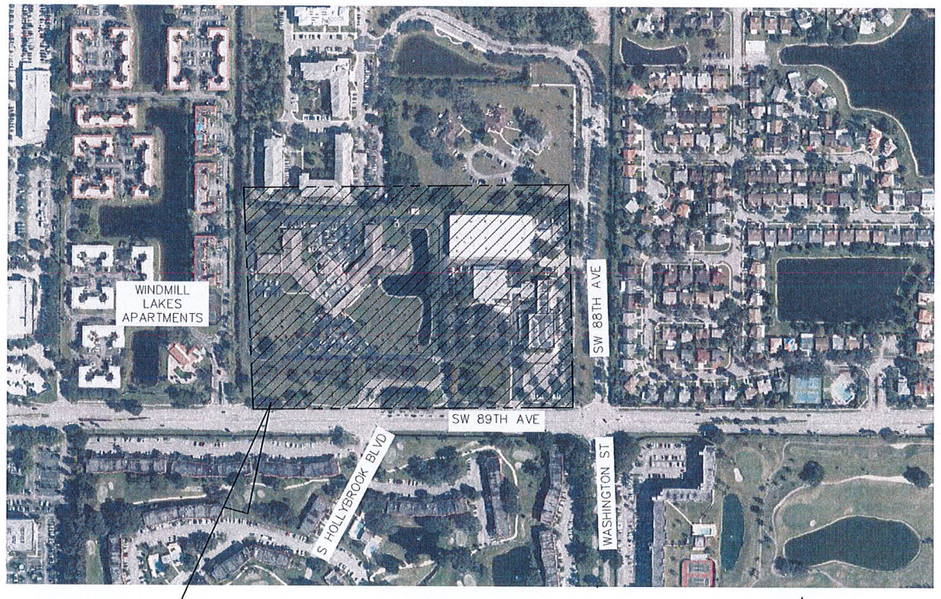
MEMORIAL MANOR
HOSPITAL-BASED OFF-CAMPUS
EMERGENCY DEPARTMENT
CONSTRUCTION DOCUMENTS
PREPARED FOR
MEMORIAL HEALTHCARE SYSTEM
JANUARY 2024





VICINITY MAP
1" = 250'
SECTION: 16 TOWNSHIP: 51 S RANGE: 41

NORTH

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LEGAL DESCRIPTION

Parcel 'A', SOUTH BROWARD HOSPITAL DISTRICT ANCILLARY FACILITY, according to the map or plat thereof, as recorded in Plat Book 134, Page(s) 48, Public Records of Broward County, Florida.

City of Pembroke Pines
Received
FEB – 1 2023
Planning & Economic Development

PLANS ARE IN NAVD88 DATUM CONVERSION EQUATION IS BELOW: (NGVD 1929) – 1.594' = (NAVD 1988)

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR DEWATERING AND OBTAINING ALL NECESSARY PERMITS.

CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
811 Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

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HKS

OWNER
MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL 33021

ARCHITECT
HKS ARCHITECTS, INC.
2020 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL 33134

INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201

MEP ENGINEER
TLC ENGINEERING SOLUTIONS
255 S. ORANGE AVE. STE 1600
ORLANDO, FL 32801

LOW VOLTAGE
SMITH SECKMAN REID, INC.
2955 SIDCO DRIVE,
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3300 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410
REGISTRY No. 35106

Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

STATE OF FLORIDA
MICHAEL SCHWARTZ
LICENSE
No. 56200
PROFESSIONAL ENGINEER

REVISION		
NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
COVER SHEET
SHEET NO.
C0.00

Plotted By:Martinez, Moises Sheet Set:MEMORIAL MANOR FSED Layout:C0.00 COVER SHEET January 31, 2024 01:59:56pm K:\WPB_DevServices\144767019 – Memorial Manor FSED\VCAD\PlanSheets\C00.00 COVER SHEET.dwg
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Plotted By:Martinez, Moises Sheet Set:MEMORIAL MANOR FSED Layout:C0.10 GENERAL NOTES January 31, 2024 02:00:04pm K:\WPB_Dev\Services\144767\019 - Memorial Manor FSED\CADD\PlanSheets\C0.10 GENERAL NOTES.dwg
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GENERAL CONSTRUCTION NOTES

1. THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (LATEST EDITION), AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 2 WORKING DAYS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR MUST CALL THE UTILITY COMPANIES BEFORE COMMENCING WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.
5. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
6. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND THE ENGINEER.
7. ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND ENGINEER DIRECTLY FROM THE TESTING AGENCY.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA DEPICTING THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS. ALL SURVEY COSTS WILL BE THE CONTRACTOR'S RESPONSIBILITY.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.
11. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VERIFYING ALL QUANTITIES, TAKE-OFF MEASUREMENTS, MATERIALS, ETC. DURING THE BID PROCESS WHEN DISCREPANCIES OCCUR, THE PHYSICAL PLAN TAKES PRECEDENCE. THE ENGINEER, LANDSCAPE ARCHITECT, COUNTY, CITY OR PROJECT MANAGERS ARE NOT TO BE HELD RESPONSIBLE FOR DISCREPANCIES TO THE SPECIFICATIONS OR PLANS.
12. THE CONTRACTOR SHALL LIMIT CONSTRUCTION OPERATIONS TO WITHIN THE LIMITS OF CONSTRUCTION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ANY DAMAGES OUTSIDE THE LIMITS OF CONSTRUCTION.
13. CONTRACTOR IS ADVISED THAT THE U.S. ENVIRONMENTAL PROTECTION AGENCY REQUIRES THAT ALL OPERATORS FILE A NOTICE OF INTENT (NOI) FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE NPDES GENERAL PERMIT PRIOR TO BEGINNING WORK. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO OBTAIN THE SAME. A COPY SHALL BE SENT TO THE ENGINEER OF RECORD, ARCHITECT OF RECORD AND THE OWNER.
14. FLORIDA LAW (F.S. 553.851) PROTECTION OF UNDERGROUND PIPELINES MANDATES THAT NO EXCAVATOR SHALL COMMENCE OR PERFORM ANY EXCAVATION WITHOUT FIRST OBTAINING INFORMATION CONCERNING THE POSSIBLE LOCATION OF GAS PIPELINES IN THE AREA OF PROPOSED EXCAVATION." THE EXCAVATOR MUST NOTIFY THE GAS UTILITY A MINIMUM OF 2 WORKING DAYS AND A MAXIMUM OF 5 WORKING DAYS PRIOR TO EXCAVATION.
15. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE LOCAL ELECTRICAL PROVIDER ON ANY WORK IN THE VICINITY OF OVERHEAD OR UNDERGROUND POWER LINES.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL PLANS RELATED TO SITE WORK INCLUDING (BUT NOT LIMITED TO) LANDSCAPE, IRRIGATION, SITE LIGHTING, BUILDING FOUNDATION, PLUMBING, FIRE SPRINKLER, AND OTHER APPLICABLE PLANS FOR CONFLICTING INFORMATION AND ALERT OWNER'S REPRESENTATIVE OF ANY CONFLICT FOR RESOLUTION.
17. CONTRACTOR SHALL VERIFY LOCATION OF ALL IRRIGATION, STREET LIGHTING, AND ELECTRICAL CONDUIT THAT WILL BE IN CONFLICT WITH ANY PROPOSED CONSTRUCTION AND SHALL RESOLVE CONFLICT ACCORDINGLY. COST OF CONFLICT RESOLUTION SHALL BE INCLUDED IN THE BID.
18. ANY DEBRIS RESULTING FROM STRIPPING AND DEMOLITION OPERATIONS SHALL BE REMOVED FROM THE SITE AT FREQUENT INTERVALS TO PREVENT THIS MATERIAL FROM ACCUMULATING ON SITE.
19. UPON REMOVAL OF TREES, SHRUBS OR ANY STUMP GRINDING, NO ROOT GREATER THAN THREE INCHES IN DIAMETER SHALL REMAIN WITHIN FIVE FEET OF AN UNDERGROUND STRUCTURE OR UTILITY LINE OR UNDER SLABS OR FOOTINGS OR PAVED AREAS.
20. THE CONTRACTOR SHALL RESTORE ALL DISTURBED VEGETATION IN KIND, UNLESS SHOWN OTHERWISE.
21. THE CONTRACTOR SHALL ENSURE THAT ANY TREE OR SHRUB PLACED WITHIN WATER, SEWER OR DRAINAGE EASEMENTS SHALL CONFORM TO THE CITY OF PEMBROKE PINES STANDARD DETAILS
22. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL COMPLY WITH PEMBROKE PINES REGIONAL HOSPITAL'S SECURITY PROCEDURES.
23. ALL CONSTRUCTION ACTIVITY, INCLUDING TRENCHING, IS TO BE A MINIMUM OF SIX FEET FROM THE BASE OF ANY TREE THAT IS DESIGNATED TO REMAIN PER CODE SECTION 27-45. NO DRAINAGE STRUCTURES OR IMPROVEMENTS ARE PERMITTED WITHIN REQUIRED PLANTER AREAS/ISLANDS INCLUDING FIRE HYDRANTS, BACKFLOW PREVENTION DEVICES AND/OR FIRE DEPARTMENT CONNECTIONS.
24. THE REMOVAL OF ANY TREE ON THE SITE IS PROHIBITED WITHOUT THE REQUIRED CITY OF PEMBROKE PINES PERMIT. ANY SITE WORK MUST BE DONE UNDER AN ENVIRONMENTAL PERMIT PER CITY OF BOCA RATON CODE OF ORDINANCES. NO CROSSWALKS, SIDEWALKS OR BICYCLE RACKS ARE PERMITTED WITHIN ANY PLANTER ISLANDS UNLESS THE PLANTER ISLAND IS WIDENED TO AT LEAST TWELVE FEET.
25. PLANS SHALL BE CONSTRUCTED IN COMPLIANCE WITH ALL CURRENT FEDERAL, STATE AND LOCAL ACCESSIBILITY REQUIREMENTS.
26. THE SURVEY INCLUDED IN THIS SET IS FOR REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL INFORMATION SHOWN ON THE SURVEY.
27. IF DEWATERING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE REQUIRED PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER, THE DESIGN ENGINEER, AND APPLICABLE REGULATORY AGENCY PRIOR TO CONSTRUCTION, THE MEANS AND METHODS FOR DEWATERING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ALL COSTS FOR DEWATERING ARE TO BE INCLUDED IN THE CONTRACTOR'S BID.
28. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL AGENCY OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
29. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
30. THE CONTRACTOR SHALL PROVIDE SOFT DIGS OF ALL UTILITY CONFLICT AREAS AND FOR ALL UTILITIES IN CLOSE PROXIMITY TO NEW DRAINAGE STRUCTURES. THE SOFT DIG INFORMATION SHALL BE PROVIDED AS PART OF SHOP DRAWING REVIEW AND PRIOR TO ANY PRECONSTRUCTION MEETING. THE COST FOR SOFT DIGS AND UTILITY LOCATIONS SHALL BE INCLUDED IN THE CONTRACTOR'S BID.
31. THE CONTRACTOR SHALL PROVIDE A PHASING PLAN FOR REVIEW AND APPROVAL BY THE ENGINEER, THE HOSPITAL, AND THE CITY, IF APPLICABLE.

SEQUENCE OF CONSTRUCTION

UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAYDOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS.

PHASE 1:
1. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AND INSTALL SILT FENCE, TURBIDITY BARRIER AND INLET PROTECTION.
2. PERFORM CLEARING AND GRUBBING AND DEMOLITION.

PHASE 2:
1. PERFORM MASS GRADING. ROUGH GRADE TO ESTABLISH PROPOSED DRAINAGE PATTERNS.
2. CONSTRUCT PROPOSED DRAINAGE INFRASTRUCTURE.
3. TEMPORARILY SEED WITH PURE LIVE SEED, THROUGHOUT CONSTRUCTION, DISTURBED AREAS THAT WILL BE INACTIVE FOR 7 DAYS OR MORE OR AS REQUIRED BY GENERIC PERMIT.
4. CONSTRUCT PROPOSED IMPROVEMENTS.
5. COMPLETE FINAL GRADING AND FINAL STABILIZATION.
6. REMOVE TEMPORARY EROSION CONTROL MEASURES.

EROSION CONTROL NOTES

1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THIS EROSION AND SEDIMENT CONTROL PLAN, THE STANDARD DETAILS, AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS PROVIDED BY THE CONTRACTOR.
2. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
4. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.
5. EROSION AND SEDIMENTATION CONTROL PLAN MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
6. THE CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
7. CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
8. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
9. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
10. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
11. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
12. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED.
13. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED. THESE AREAS SHALL BE STABILIZED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRED.
14. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
15. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
17. ON-SITE & OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE EROSION AND SEDIMENTATION CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
18. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
19. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES AS NECESSARY AS CONSTRUCTION PROGRESSES (SILT FENCES, ETC.) TO PREVENT EROSION.
20. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY, THIS INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.
21. EROSION AND SEDIMENTATION CONTROL PLANS PROVIDED HEREIN ARE A GUIDELINE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING THE FINAL STORM WATER POLLUTION PREVENTION PLAN. THE PLAN SHALL BE SUBMITTED TO THE OWNER WITH DOCUMENTATION WHICH DEMONSTRATES THE MECHANISMS AND PRACTICES THAT WILL BE EMPLOYED TO PROTECT THE CONSTRUCTION SITE AND SURROUNDING AREA DURING CONSTRUCTION. THE PLAN SHALL BE CONSISTENT WITH FEDERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES PERMIT REQUIREMENTS PERTAINING TO POLLUTION PREVENTION PLANS. THE PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO, THE LOCATIONS OF SILT BARRIERS, TURBIDITY SCREENS OR TEMPORARY SHEETING, EMERGENCY RESPONSE PRACTICES AND OTHER METHODS TO PREVENT POLLUTION. REFUELING OR STORAGE OF VEHICLES OR EQUIPMENT THAT UTILIZE PETROLEUM BASED PRODUCTS SHALL BE PROHIBITED ANYWHERE WITHIN 50 FEET OF A WATER'S EDGE. THE PLAN SHALL BE SUBMITTED TO THE OWNER AFTER NOTICE OF AWARD AND PRIOR TO NOTICE TO PROCEED. AFTER REVIEW BY OWNER THE PLAN SHALL BE FILED WITH ALL APPLICABLE REGULATORY AGENCIES BY THE CONTRACTOR. REFER TO FURTHER NOTES AND DETAILS WITHIN THESE DOCUMENTS.
22. SILT FENCE IS REQUIRED AS SHOWN ON THE PLANS AND ANYWHERE ADDITIONAL AS REQUIRED BY CONSTRUCTION. SILT FENCE IS NOT APPLICABLE IN PAVEMENT AREAS. LIMITS OF CONSTRUCTION SHOWN ARE DIAGRAMATIC. CONTRACTOR TO PROVIDE PLAN FOR SHOP DRAWING REVIEW.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

UTILITIES

1. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.

WATER AND SEWER UTILITY NOTES

1. THE CONTRACTOR SHALL CONSTRUCT GRAVITY SEWER LATERALS, MANHOLES GRAVITY SEWER LINES AND DOMESTIC WATER AND FIRE PROTECTION SYSTEM AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS, EQUIPMENT, MACHINERY, TOOLS, MEANS OF TRANSPORTATION AND LABOR NECESSARY TO COMPLETE THE WORK IN FULL AND COMPLETE ACCORDANCE WITH THE SHOWN, DESCRIBED AND REASONABLY INTENDED REQUIREMENTS OF THE CONTRACT DOCUMENTS AND JURISDICTIONAL AGENCY REQUIREMENTS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
1. ALL EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS FOR UTILITY LOCATION AND COORDINATION IN ACCORDANCE WITH THE NOTES CONTAINED IN THE GENERAL CONSTRUCTION SECTION OF THIS SHEET.
2. THE CONTRACTOR SHALL RESTORE ALL DISTURBED VEGETATION IN KIND, UNLESS SHOWN OTHERWISE.
3. DEFLECTION OF PIPE JOINTS AND CURVATURE OF PIPE SHALL NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS. SECURELY CLOSE ALL OPEN ENDS OF PIPE AND FITTINGS WITH A WATERTIGHT PLUG WHEN WORK IS NOT IN PROGRESS. THE INTERIOR OF ALL PIPES SHALL BE CLEAN AND JOINT SURFACES WIPED CLEAN AND DRY AFTER THE PIPE HAS BEEN LOWERED INTO THE TRENCH. VALVES SHALL BE PLUMB AND LOCATED ACCORDING TO THE PLANS.
4. ALL PHASES OF INSTALLATION, INCLUDING UNLOADING, TRENCHING, LAYING AND BACK FILLING, SHALL BE DONE IN A FIRST CLASS WORKMANLIKE MANNER. ALL PIPE AND FITTINGS SHALL BE CAREFULLY STORED FOLLOWING MANUFACTURER'S RECOMMENDATIONS. CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE COATING OR LINING IN ANY D.I. PIPE FITTINGS. ANY PIPE OR FITTING WHICH IS DAMAGED OR WHICH HAS FLAWS OR IMPERFECTIONS WHICH, IN THE OPINION OF THE ENGINEER OR OWNER, RENDERS IT UNFIT FOR USE, SHALL NOT BE USED. ANY PIPE NOT SATISFACTORY FOR USE SHALL BE CLEARLY MARKED AND IMMEDIATELY REMOVED FROM THE JOB SITE, AND SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
6. WATER FOR FIRE FIGHTING SHALL BE AVAILABLE FOR USE PRIOR TO COMBUSTIBLES BEING BROUGHT ON SITE.
7. ALL UTILITY AND STORM DRAIN TRENCHES LOCATED UNDER AREAS TO RECEIVE PAVING SHALL BE COMPLETELY BACK FILLED IN ACCORDANCE WITH THE GOVERNING JURISDICTIONAL AGENCY'S SPECIFICATIONS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
8. UNDERGROUND LINES SHALL BE SURVEYED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR PRIOR TO BACK FILLING.
9. CONTRACTOR SHALL PERFORM, AT HIS OWN EXPENSE, ANY AND ALL TESTS REQUIRED BY THE SPECIFICATIONS AND/OR ANY AGENCY HAVING JURISDICTION. THESE TESTS MAY INCLUDE, BUT MAY NOT BE LIMITED TO, INFILTRATION AND EXFILTRATION, TELEVISION INSPECTION AND A MANDREL TEST ON GRAVITY SEWER. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE UTILITY PROVIDER, OWNER AND JURISDICTIONAL AGENCY AS REQUIRED.
10. ALL WATER MAIN INSTALLATIONS SHALL COMPLY WITH THE EQUIPMENTS OF CHAPTER 62-555.320, FAC.
11. ALL PVC PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE UNI-WELL PLASTIC PIPE ASSOCIATIONS "GUIDE FOR INSTALLATION OF PVC PRESSURE PIPE FOR MUNICIPAL WATER DISTRIBUTION SYSTEM"
12. ALL DIP SHALL BE INSTALLED IN ACCORDANCE WITH ANSI/AWWA C600-05 OR LATEST REVISION.
13. ALL WATER MAIN PIPES SHALL BE COLOR CODED USING BLUE AS A PREDOMINANT COLOR IN ACCORDANCE WITH RULE 62-555.320(21)(B)(3), FAC.
14. ALL WATER MAINS SHALL BE LAID WITH A MINIMUM 36" COVER FOR PVC AND 30" FOR DIP.
15. NO CONNECTIONS TO EXISTING LINES SHALL BE MADE UNTIL PRESSURE TESTS & BACTERIOLOGICAL TESTS HAVE BEEN PERFORMED AND THE SYSTEM IS ACCEPTABLE TO THE CITY OF PLANTATION.
16. LOCATOR TAPE AND WIRE SHALL BE INSTALLED ON ALL NEW WATER MAINS. TAPE WILL BE 3" WIDE AND COLOR CODED AND INSTALLED 12" ABOVE WATER MAIN. WIRE WILL BE 14 STRAND AND COLOR CODED.
17. R.P.M.'S TO BE INSTALLED PRIOR TO C/O AT CENTER OF NEAREST DRIVE AISLE ADJACENT TO ALL HYDRANTS (BLUE). FOR HYDRANTS AT CORNERS, TWO (2) R.P.M.'S SHALL BE INSTALLED, ONE AT EACH ROADWAY.
   A. POLYVINYL CHLORIDE (PVC) WATER MAIN SHALL HAVE PUSH-ON RUBBER GASKET JOINTS.
   B. PVC PIPE SHALL BE 1120 PRESSURE PIPE WITH IRON O.D., CLASS 235 (SDR 18), CONFORMING TO ANSI/AWWA C900-LATEST REVISION.
   C. WHERE DUCTILE IRON PIPE (DIP) IS REQUIRED IT SHALL BE 60-42-10, CLASS 50 WALL THICKNESS WITH INTERIOR CEMENT LINING AND EXTERIOR COAL TAR COATING CONFORMING TO ANSI/AWWA C151/A21.51-LATEST REVISION.
   D. PIPE JOINTS SHALL BE MECHANICAL, CONFORMING TO AWWA C-111-00.
   E. ALL GASKETS SHALL BE NEOPRENE. WHERE REQUIRED POLYETHYLENE WRAP SHALL BE INSTALLED.
19. GRAVITY SEWAGE COLLECTION SYSTEM MATERIAL:
   A. ALL SEWER PIPE AND FITTINGS SHALL BE NON-PRESSURE POLYVNYL CHLORIDE PIPE (PVC) CONFORMING TO ASTM D 3034, SRD 26, WITH PUSH-ON RUBBER GASKET JOINTS.
   B. ALL FITTINGS AND ACCESSORIES SHALL BE AS MANUFACTURED OR SUPPLIED BY THE PIPE MANUFACTURER OR EQUAL.
   C. WHERE DIP IS REQUIRED, IT SHALL BE 60-42-10 CLASS 50 WALL THICKNESS WITH INTERIOR POLY LINING AND EXTERIOR COAT FOR COATING CONFORMING TO ANSI/AWWA C151/A21.51-91.
20. MANHOLES:
   A. MANHOLES SHALL BE PRECAST PER ASTM C 478 WITH 4000 PSI CONCRETE AND GRADE 40 STEEL
   B. ALL SANITARY SEWER MANHOLES SHALL HAVE RAIN INSERT COVERS.
21. WATER MAIN DISTRIBUTION SYSTEM:
   A. PRIOR TO ANY PHYSICAL CONNECTIONS TO EXISTING WATER MAIN SYSTEM, THE COMPLETE WATER SYSTEM SHALL BE PRESSURE TESTED AND DISINFECTED. HYDROSTATIC TESTING OF NEW MAINS SHALL BE PERFORMED AT A MINIMUM STARTING PRESSURE OF 150PSI FOR TWO HOURS IN ACCORDANCE WITH ANSI/AWWA C600-05 OR LATEST REVISION. PRESSURE TEST SHALL NOT VARY MORE THAN 5 PSI DURING THE TEST, OTHERWISE TEST SHALL BE CONSIDERED UNSATISFACTORY.
   B. THE PRESSURE TEST SHALL BE WITNESSED BY A REPRESENTATIVE OF THE CITY OF PLANTATION UTILITIES DEPARTMENT AND THE ENGINEER OF RECORD.
   C. BEFORE ACCEPTANCE FOR OPERATION, THE WATER SYSTEM SHALL BE DISINFECTED IN ACCORDANCE WITH THE ANSI/AWWA C651-05 OR LATEST REVISION.
   D. ALL WATER MAINS SHALL BE PIGGED PRIOR TO DISINFECTION.
   E. METER CONNECTIONS SHALL BE MADE TO NEW LINES ONLY AFTER TWO CONSECUTIVE DAYS OF BACTERIOLOGICAL SAMPLES HAVE PASSED, AND COPIES OF RESULTS HAVE BEEN PROVIDED TO THE ENGINEER OF RECORD, CITY REPRESENTATIVE AND BROWARD COUNTY HEALTH DEPARTMENT.
   F. SAMPLING POINTS SHALL BE PROVIDED AT THE LOCATIONS SHOWN ON THE PLANS. SAMPLING POINTS SHALL BE PROVIDED AT INTERVALS OF A MAXIMUM OF 1200' UNLESS OTHERWISE SPECIFIED ON THE PLANS.
   G. THE ALLOWABLE LEAKAGE SHALL BE LESS THAN THE NUMBER OF GALLONS PER HOUR AS DETERMINED BY THE FOLLOWING FORMUL

Plotted By:Martinez, Moises Sheet Set:MEMORIAL MANOR FSED Layout:C1.00 EROSION CONTROL PLAN January 31, 2024 02:00:21pm K:\WPB_DevServices\144767019 – Memorial Manor FSED\CADD\PlanSheets\C1.00 EROSION CONTROL PLAN.dwg
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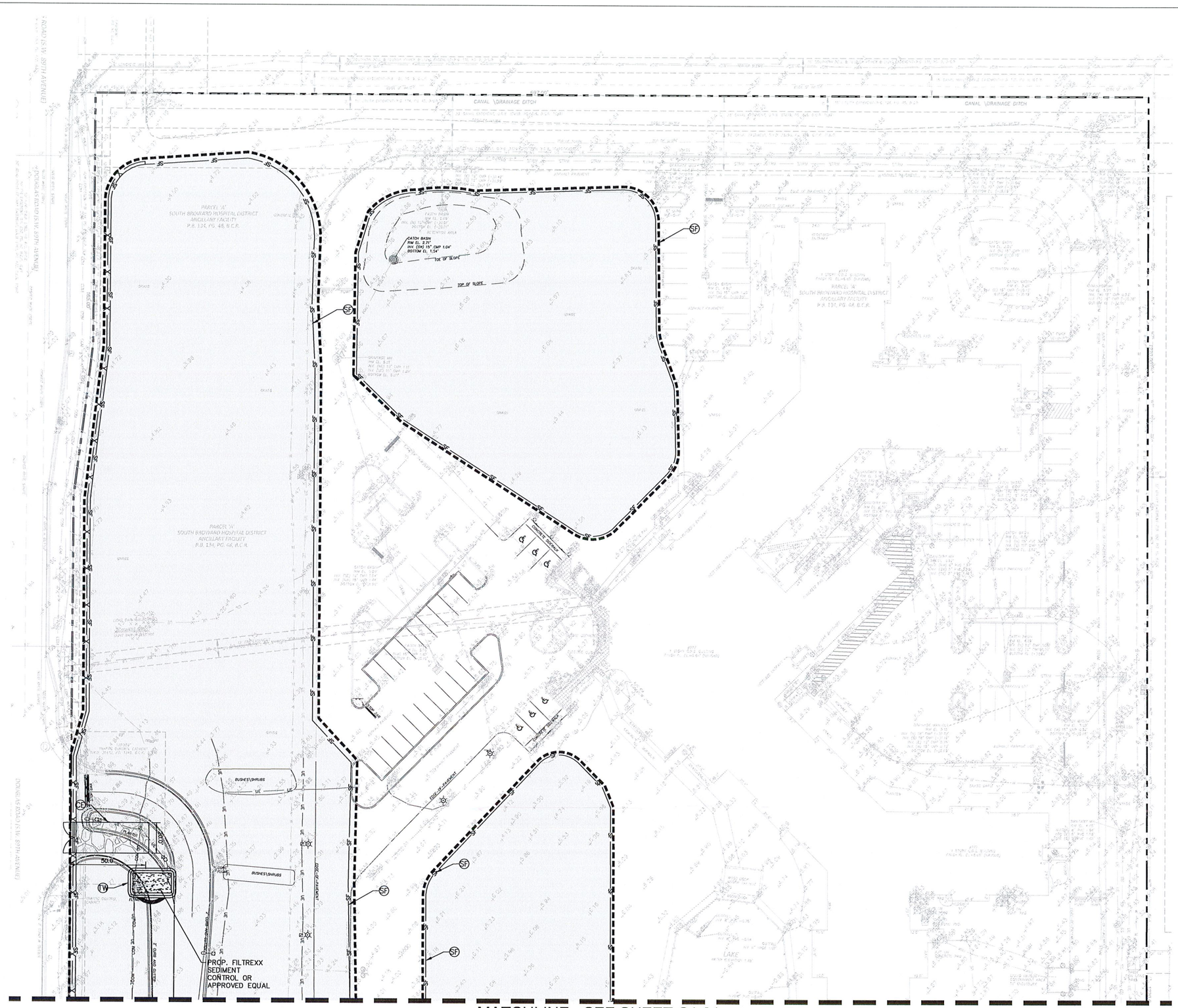
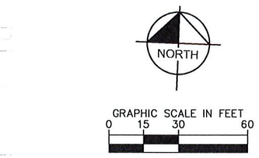
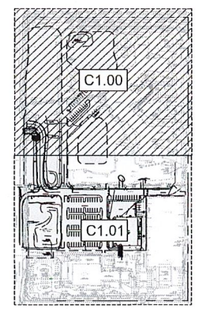




LEGEND

- PROPERTY LINE
- LIMITS OF WORK
- EXISTING COMMUNICATION LINE
- EXISTING ELECTRIC LINE
- EXISTING SANITARY PIPE
- EXISTING OVERHEAD ELECTRIC
- EXISTING STORM PIPE
- EXISTING FIRE LINE
- WATER LINE TO REMAIN
- (CF) TEMPORARY CONSTRUCTION FENCE
- (SF) TEMPORARY SILT FENCE
- (FS) FILTER SACK DROP INLET SEDIMENT BARRIER
- (TW) TRUCK WASH
- (CE) CONSTRUCTION ENTRANCE



KEY MAP
1"=300'

PLANS ARE IN NAVD88 DATUM CONVERSION EQUATION IS BELOW. (NGVD 1929) – 1.594' = (NAVD 1988)

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR DEWATERING AND OBTAINING ALL NECESSARY PERMITS.

CALL 2 WORKING DAYS BEFORE YOU DIG
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811 Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

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HKS

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MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL 33021

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TLC ENGINEERING SOLUTIONS
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MEDICAL EQUIPMENT
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CIVIL/LANDSCAPE ENGINEER
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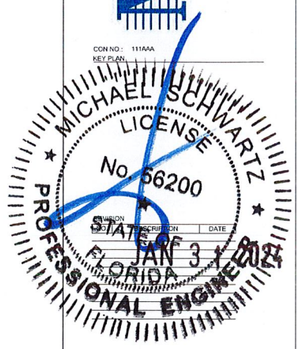
REGISTRY No. 35106

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

CON NO.: 111AAA
KEY PLAN



NO.	DESCRIPTION	DATE
1	PER CITY COMMENTS	JAN 31, 2024

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
EROSION CONTROL PLAN
SHEET NO.
C1.00

MATCHLINE - SEE SHEET C1.00

TURBIDITY BARRIER

TURBIDITY BARRIER

PARCEL 'A'
SOUTH BROWARD HOSPITAL DISTRICT
ANCILLARY FACILITY
P.B. 134, PG. 48, B.C.R.

#801
EXISTING
HOSPITAL-BASED OFF-CAMPUS
EMERGENCY DEPARTMENT
FINISH FL. EL.=7.09'
(NAVD88)

ASPHALT PAVEMENT

ASPHALT PARKING LOT

CONCRETE SIDEWALK

GRASS AREA

GRASS RETENTION AREA

"MEMORIAL PEMBROKE"
5' C.B.S. SIGN

CATCH BASIN
RIM EL. 2.34'
INV. (S) 30" CMP (-)2.06'
BOTTOM EL. (-)3.41'

CURB INLET
RIM EL. 5.14'
INV. (N) 30" CMP (-)1.89'
INV. (S) 24" CMP 0.61'
BOTTOM EL. (-)3.41'

CURB AND GUTTER

STOP BAR

EDGE OF PAVEMENT

TOP OF SLOPE

HEDGE

4" WOOD

WOOD SIGN

CONC. FLUME

CURB RAMP

STORM MANHOLE

SANITARY MANHOLE

FIRE HYDRANT

A/C VENT PAD

CONC. PAD

GENERATOR

CONC. CURB & PAVERS

CONC. CURB

STAIRS

RAMP

HANDRAIL

LANDING

CONC. WALL

CONC. STEPS

SIDEWALK

CONC. PAVERS

CONC. PLANTER

CONC. BENCH

CONC. PLAZA

CONC. PLANTER WALL

CONC. PLANTER WALL W/ RAILING

CONC. PLANTER WALL W/ RAILING & PAVERS

CONC. PLANTER WALL W/ PAVERS

CONC. PLANTER WALL W/ RAILING & PAVERS

CONC. PLANTER WALL W/ RAILING & PAVERS

CONC. PLANTER WALL W/ RAILING &

Plotted By: Martinez, Moises Sheet Set: MEMORIAL MANOR FSED Layout: C1.10 EROSION CONTROL NOTES AND DETAILS January 31, 2024 02:00:38pm K:\WPB_DevServices\144767019 – Memorial Manor FSED\CADD\PlanSheets\C1.10 EROSION CONTROL NOTES AND DETAILS.dwg
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BEST MANAGEMENT PRACTICES (BMPS):

THIS PLAN HAS BEEN PREPARED TO ENSURE COMPLIANCE WITH APPROPRIATE CONDITIONS OF THE BROWARD COUNTY LAND DEVELOPMENT REGULATIONS, THE RULES OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP), CHAPTER 17-25, F.A.C., THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD), CHAPTER 40D-4, F.A.C. AND THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA) DOCUMENT NO. EPA 832/R-92-005 (SEPTEMBER 1992). THE PLAN ADDRESSES THE FOLLOWING:

A. PREVENT LOSS OF SOIL DURING CONSTRUCTION BY STORMWATER RUNOFF AND/OR WIND EROSION, INCLUDING PROTECTING TOPSOIL BY STOCKPILING FOR REUSE.

B. SEDIMENTATION PROTECTION OF STORM SEWER OR RECEIVING STREAM.

C. PREVENT POLLUTING THE AIR WITH DUST AND PARTICULATE MATTER. THE VARIOUS TECHNIQUES OR ACTIONS IDENTIFIED UNDER EACH SECTION INDICATE THE APPROPRIATE SITUATION WHEN THE TECHNIQUES SHOULD BE EMPLOYED. ALSO IDENTIFIED IS A CROSS-REFERENCE TO A DIAGRAM OR FIGURE REPRESENTING THE TECHNIQUE. IT SHOULD BE NOTED THAT THESE MEASURES IDENTIFIED ON THIS PLAN ARE ONLY SUGGESTED BMP(S). THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENTION AND EROSION CONTROL MEASURES AS SPECIFIED IN ACCORDANCE WITH THE CURRENT FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS. CONTRACTOR SHALL PREPARE REQUIRED NPDES DOCUMENTATION AND OBTAIN PERMIT PRIOR TO COMMENCEMENT OF CONSTRUCTION. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE THE REQUIRED NPDES DOCUMENT AND OBTAIN THE NPDES PERMIT. ALL COST ASSOCIATED WITH SUCH WORK SHALL BE DEEMED INCIDENTAL TO THE PROJECT LUMP SUM COST.

GENERAL EROSION CONTROL NOTES:

A. THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS COMPRISED OF THESE EROSION CONTROL DRAWINGS, THE STANDARD DETAILS, THE NPDES PERMIT (TO BE OBTAINED BY CONTRACTOR) AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.

B. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THIS DRAWING AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.

C. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMP) IN ALL CONSTRUCTION ACTIVITIES INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

1. FUEL SPILLS AND LEAKS PREVENTION
2. PREVENT/REDUCE VEHICLE AND EQUIPMENT WASHING AND STEAM CLEANING
3. VEHICLE AND EQUIPMENT MAINTENANCE AND REPAIR
4. PROPER OUTDOOR LOADING/UNLOADING OF MATERIALS
5. PREVENT/REDUCE OUTDOOR STORAGE OF RAW MATERIALS, PRODUCTS, AND BY-PRODUCTS
6. SOLID WASTE MANAGEMENT
7. HAZARDOUS WASTE MANAGEMENT
8. CONCRETE WASTE MANAGEMENT
9. SANDBLASTING WASTE MANAGEMENT
10. STRUCTURE CONSTRUCTION AND PAINTING
11. SPILL PREVENTION AND CONTROL
12. CONTAMINATED SOIL MANAGEMENT
13. SANITARY/SEPTIC WASTE MANAGEMENT
14. SOIL EROSION CONTROL
15. STORM WATER TURBIDITY MANAGEMENT

ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.

D. BEST MANAGEMENT PRACTICES (BMPS) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.

E. SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. CONTRACTOR MUST MAINTAIN ALL PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS ON SITE AT ALL TIMES.

F. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.

G. CONTRACTOR SHALL BEGIN CLEARING AND GRUBBING THOSE PORTIONS OF THE SITE NECESSARY TO IMPLEMENT PERIMETER CONTROL MEASURES. CLEARING AND GRUBBING FOR THE REMAINING PORTIONS OF THE PROPOSED SITE SHALL COMMENCE ONCE PERIMETER CONTROLS ARE IN PLACE. PERIMETER CONTROLS SHALL BE ACTIVELY MAINTAINED UNTIL SAID AREAS HAVE BEEN STABILIZED AND SHALL BE REMOVED ONCE FINAL STABILIZATION IS COMPLETE.

H. GENERAL EROSION CONTROL BMPS SHALL BE EMPLOYED TO MINIMIZE SOIL EROSION AND POTENTIAL LAKE SLOPE CAVE-INS. WHILE THE VARIOUS TECHNIQUES REQUIRED WILL BE SITE AND PLAN SPECIFIC, THEY SHOULD BE EMPLOYED AS SOON AS POSSIBLE DURING CONSTRUCTION.

I. ON-SITE & OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.

J. SURFACE WATER QUALITY SHALL BE MAINTAINED BY EMPLOYING THE FOLLOWING BMP'S IN THE CONSTRUCTION PLANNING AND CONSTRUCTION OF ALL IMPROVEMENTS.

STORM WATER EROSION CONTROL PRACTICES:

A. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT FROM DETENTION PONDS AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.

B. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.

C. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (COMPOST SOCK DEVICES, ETC.) TO PREVENT EROSION.

D. WHERE PRACTICAL, STORMWATER SHALL BE CONVEYED BY SWALES.

E. EROSION CONTROL MEASURES SHALL BE EMPLOYED TO MINIMIZE TURBIDITY OF SURFACE WATERS LOCATED DOWNSTREAM OF ANY CONSTRUCTION ACTIVITY. WHILE THE VARIOUS MEASURES REQUIRED WILL BE SITE SPECIFIC, THEY SHALL BE EMPLOYED AS NEEDED IN ACCORDANCE WITH THE FOLLOWING:

1. IN GENERAL, EROSION SHALL BE CONTROLLED AT THE FURTHEST PRACTICAL UPSTREAM LOCATION.
2. STORMWATER INLETS SHALL BE PROTECTED DURING CONSTRUCTION. PROTECTION MEASURES SHALL BE EMPLOYED AS SOON AS PRACTICAL DURING THE VARIOUS STAGES OF INLET CONSTRUCTION. SILT BARRIERS SHALL REMAIN IN PLACE UNTIL SODDING AROUND INLETS IS COMPLETE.
3. WHEN NEEDED A TEMPORARY SEDIMENT TRAP SHOULD BE CONSTRUCTED TO DETAIN SEDIMENT-LADEN RUNOFF FROM DISTURBED AREAS.

F. SILT BARRIERS, ANY SILT WHICH ACCUMULATES BEHIND THE BARRIERS, AND ANY FILL USED TO ANCHOR THE BARRIERS SHALL BE REMOVED PROMPTLY AFTER THE END OF THE MAINTENANCE PERIOD SPECIFIED FOR THE BARRIERS.

NOTES:

1. CONTRACTOR TO CONSIDER POTENTIAL DEWATERING ACTIVITIES WHEN PREPARING BID DOCUMENTS FOR THIS PROJECT.
2. CONTRACTOR SHALL OBTAIN ANY NECESSARY DEWATERING PERMITS AS SITE CONDITIONS AND CONSTRUCTION ACTIVITIES REQUIRE.
3. CONTRACTOR TO USE BEST MANAGEMENT PRACTICES TO ENSURE COMPLIANCE WITH NPDES AND WATER MANAGEMENT DISTRICT REGULATIONS FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES AND DEWATERING OPERATIONS.
4. IT SHOULD BE NOTED THAT THE MEASURE IDENTIFIED ON THIS PLAN ARE ONLY SUGGESTED BMP(S). THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENTION AND EROSION CONTROL MEASURES AS NECESSARY TO CONFORM TO CURRENT CITY, FDEP AND SFWMD CODES AND SPECIFICATIONS.

G. SLOPES OF BANKS OF RETENTION/DETENTION PONDS SHALL BE CONSTRUCTED NOT STEEPER THAN 3H:1V FROM TOP OF BANK TO TWO FEET BELOW NORMAL WATER LEVEL AS APPLICABLE.

H. SOD SHALL BE PLACED FOR A 2-FOOT WIDE STRIP ADJOINING ALL CURBING AND AROUND ALL INLETS. SOD SHALL BE PLACED BEFORE SILT BARRIERS ARE REMOVED.

I. WHERE REQUIRED TO PREVENT EROSION FROM SHEET FLOW ACROSS BARE GROUND FROM ENTERING A LAKE OR SWALE, A TEMPORARY SEDIMENT SUMP SHALL BE CONSTRUCTED.

J. FILTER FABRIC SHOULD BE USED FOR STORM DRAIN INLET PROTECTION BEFORE FINAL STABILIZATION.

WIND EROSION CONTROL PRACTICES:

A. WIND EROSION SHALL BE CONTROLLED BY EMPLOYING THE FOLLOWING METHODS AS NECESSARY AND APPROPRIATE:

1. BARE EARTH AREAS SHALL BE WATERED DURING CONSTRUCTION AS NECESSARY TO MINIMIZE THE TRANSPORT OF FUGITIVE DUST. IT MAY BE NECESSARY TO LIMIT CONSTRUCTION VEHICLE SPEED IF BARE EARTH HAS NOT BEEN EFFECTIVELY WATERED. IN NO CASE SHALL FUGITIVE DUST BE ALLOWED TO LEAVE THE SITE UNDER CONSTRUCTION.
2. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED (SEE PERMANENT STABILIZATION PRACTICES FOR DETAILS). THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN. CLEARED SITE DEVELOPMENT AREAS NOT CONTINUALLY SCHEDULED FOR CONSTRUCTION ACTIVITIES SHALL BE COVERED WITH HAY OR OVERSEEDED AND PERIODICALLY WATERED SUFFICIENTLY TO STABILIZE THE TEMPORARY GROUNDCOVER (SEE TEMPORARY STABILIZATION PRACTICES FOR DETAILS).
3. AT ANY TIME BOTH DURING AND AFTER SITE CONSTRUCTION THAT WATERING AND/OR VEGETATION ARE NOT EFFECTIVE IN CONTROLLING WIND EROSION AND/OR TRANSPORT OF FUGITIVE DUST, OTHER METHODS AS ARE NECESSARY FOR SUCH CONTROL SHALL BE EMPLOYED. THESE METHODS SHOULD INCLUDE ERECTION OF DUST CONTROL FENCES. A 6-FT GEOTEXTILE FILTER FIBER SHOULD BE HANGING AGAINST THE EXISTING CHAIN LINK FENCE AND GATE.

B. ALL DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.

STABILIZATION PRACTICES:

SHALL BE IN ACCORDANCE WITH DEP DOCUMENT NO 62-621.300(4)(a)

STRUCTURAL PRACTICES:

SHALL BE IN ACCORDANCE WITH DEP DOCUMENT NO 62-621.300(4)(a)

WASTE DISPOSAL:

A. WASTE MATERIALS - ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A METAL DUMPSTER WITH A SECURE LID IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPSTER. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITIES TO HAVE THE DUMPSTER EMPTIED AT LEAST TWICE A WEEK AND THE WASTE TAKEN TO AN APPROPRIATE LANDFILL. NO CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON SITE. THE SUPERINTENDENT SHALL ORGANIZE TRAINING FOR THE EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH WASTE MATERIALS. THE SUPERINTENDENT SHALL BE RESPONSIBLE FOR POSTING AND ENFORCING WASTE MATERIAL PROCEDURES.

B. HAZARDOUS WASTE - HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS OR AS DIRECTED BY THE MANUFACTURER. THE SUPERINTENDENT SHALL ORGANIZE THE PROPER TRAINING FOR EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH HAZARDOUS WASTE MATERIALS. THESE PROCEDURES SHALL BE POSTED ON THE SITE. THE PERSON WHO MANAGES THE SITE SHALL BE RESPONSIBLE FOR ENFORCING THE PROCEDURES.

C. SANITARY WASTE - SANITARY WASTE SHALL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITY FOR COLLECTION OF THE SANITARY WASTE AT LEAST THREE TIMES A WEEK TO PREVENT SPILLAGE ONTO THE SITE.

D. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.

OFFSITE TRACKING:

A. STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED TO REDUCE SEDIMENT TRACKING OFFSITE. THE MAJOR ROAD CONNECTED TO THE PROJECT SHALL BE CLEANED ONCE A DAY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK RESULTING FROM CONSTRUCTION TRAFFIC. ALL TRUCKS HAULING MATERIALS OFFSITE SHALL BE COVERED WITH A TARPAULIN.

B. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATION PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES. HEAVY CONSTRUCTION EQUIPMENT PARKING AND MAINTENANCE AREAS SHALL BE DESIGNED TO PREVENT OIL, GREASE, AND LUBRICANTS FROM ENTERING SITE DRAINAGE FEATURES INCLUDING STORMWATER COLLECTION AND TREATMENT SYSTEMS. CONTRACTORS SHALL PROVIDE BROAD DIKES, HAY BALES OR SILT SCREENS AROUND, AND SEDIMENT SUMPS WITHIN, SUCH AREAS AS REQUIRED TO CONTAIN SPILLS OF OIL, GREASE OR LUBRICANTS. CONTRACTORS SHALL HAVE AVAILABLE, AND SHALL USE, ABSORBENT FILTER PADS TO CLEAN UP SPILLS AS SOON AS POSSIBLE AFTER OCCURRENCE.

C. ALL WASH WATER FROM CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC. SHALL BE DETAINED ON SITE AND SHALL BE PROPERLY TREATED OR DISPOSED.

D. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.

E. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

MAINTENANCE:

ALL MEASURES STATED ON THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

A. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.

B. B. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RE-SEEDED AS NEEDED.

C. THE COMPOST ROCK FILTRATION DEVICE SHALL BE INSPECTED PERIODICALLY FOR HEIGHT OF SEDIMENT AND CONDITION OF DEVICE. COMPOST SOCK SHALL BE REPAIRED TO ITS ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE COMPOST SOCK WHEN IT REACHES ONE-THIRD THE HEIGHT OF THE COMPOST SOCK.

D. THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.

E. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.

F. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. THE SEDIMENT BASINS/DITCHES SHALL BE CHECKED MONTHLY FOR DEPTH OF SEDIMENT. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 10% AND AFTER CONSTRUCTION IS COMPLETE.

G. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN SEVEN CALENDAR DAYS FOLLOWING THE INSPECTION.DIVERSION DIKES SHALL BE INSPECTED MONTHLY. ANY BREACHES SHALL BE PROMPTLY REPAIRED.

H. A MAINTENANCE REPORT SHALL BE COMPLETED DAILY AFTER EACH INSPECTION OF THE SEDIMENT AND EROSION CONTROL METHODS. THE REPORTS SHALL BE FILED IN AN ORGANIZED MANNER AND RETAINED ON-SITE DURING CONSTRUCTION. AFTER CONSTRUCTION IS COMPLETED, THE REPORTS SHALL BE SAVED FOR AT LEAST THREE YEARS. THE REPORTS SHALL BE AVAILABLE FOR ANY AGENCY THAT HAS JURISDICTION OVER EROSION CONTROL.

I. ALL REPAIRS MUST BE MADE WITHIN 24 HOURS OF REPORT.

J. THE SUPERINTENDENT SHALL ORGANIZE THE TRAINING FOR INSPECTION PROCEDURES AND PROPER EROSION CONTROL METHODS FOR EMPLOYEES THAT COMPLETE INSPECTIONS AND REPORTS.

K. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.

SPILL PREVENTION AND CONTROL:

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

A. GOOD HOUSEKEEPING

1. SUPERINTENDENT SHALL INSPECT PROJECT AREA DAILY FOR PROPER STORAGE, USE, AND DISPOSAL OF CONSTRUCTION MATERIALS.
2. STORE ONLY ENOUGH MATERIAL ON SITE FOR PROJECT COMPLETION.
3. ALL SUBSTANCES SHOULD BE USED BEFORE DISPOSAL OF CONTAINER.
4. ALL CONSTRUCTION MATERIALS STORED SHALL BE ORGANIZED AND IN THE PROPER CONTAINER AND IF POSSIBLE, STORED UNDER A ROOF OR PROTECTIVE COVER.
5. PRODUCTS SHALL NOT BE MIXED UNLESS DIRECTED BY THE MANUFACTURER.
6. ALL PRODUCTS SHALL BE USED AND DISPOSED OF ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

B. HAZARDOUS PRODUCTS

1. MATERIALS SHOULD BE KEPT IN ORIGINAL CONTAINER WITH LABELS UNLESS THE ORIGINAL CONTAINERS CANNOT BE RESEALED. IF ORIGINAL CONTAINERS CANNOT BE USED, LABELS AND PRODUCT INFORMATION SHALL BE SAVED.
2. PROPER DISPOSAL PRACTICES SHALL ALWAYS BE FOLLOWED IN ACCORDANCE WITH MANUFACTURER AND LOCAL/STATE REGULATIONS.

C. PRODUCT SPECIFIC PRACTICES

1. PETROLEUM PRODUCTS MUST BE STORED IN PROPER CONTAINERS AND CLEARLY LABELED. VEHICLES CONTAINING PETROLEUM PRODUCTS SHALL BE PERIODICALLY INSPECTED FOR LEAKS. PRECAUTIONS SHALL BE TAKEN TO AVOID LEAKAGE OF PETROLEUM PRODUCTS ON SITE.
2. THE MINIMUM AMOUNT OF FERTILIZER SHALL BE USED AND MIXED INTO THE SOIL IN ORDER TO LIMIT EXPOSURE TO STORM WATER. FERTILIZERS SHALL BE STORED IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.
3. PAINT CONTAINERS SHALL BE SEALED AND STORED WHEN NOT IN USE. EXCESS PAINT MUST BE DISPOSED OF IN AN APPROVED MANNER.
4. CONCRETE TRUCKS SHALL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SPILL CLEAN UP:

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED ABOVE, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

C. SPILL CLEANUP INFORMATION SHALL BE POSTED ON SITE TO INFORM EMPLOYEES ABOUT CLEANUP PROCEDURES AND RESOURCES.

D. THE FOLLOWING CLEAN-UP EQUIPMENT MUST BE KEPT ON SITE NEAR THE MATERIAL STORAGE AREA: GLOVES, MOPS, RAGS, BROOMS, DUST PANS, SAND, SAWDUST, LIQUID ABSORBER, GOGGLES, AND TRASH CONTAINERS.

E. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ONSITE AND READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.

F. ALL SPILLS SHALL BE CLEANED UP AS SOON AS POSSIBLE.

G. WHEN CLEANING A SPILL, THE AREA SHOULD BE WELL VENTILATED AND THE EMPLOYEE SHALL WEAR PROPER PROTECTIVE COVERING TO PREVENT INJURY.

H. TOXIC SPILLS MUST BE REPORTED TO THE PROPER AUTHORITY REGARDLESS OF THE SIZE OF THE SPILL.

I. AFTER A SPILL, THE PREVENTION PLAN SHALL BE REVIEWED AND CHANGED TO PREVENT FURTHER SIMILAR SPILLS FROM OCCURRING. THE CAUSE OF THE SPILL, MEASURES TO PREVENT IT, AND HOW TO CLEAN THE SPILL UP SHALL BE RECORDED.

J. THE SUPERINTENDENT SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR AND IS RESPONSIBLE FOR THE DAY TO DAY SITE OPERATIONS. THE SUPERINTENDENT ALSO OVERSEES THE SPILL PREVENTION PLAN AND SHALL BE RESPONSIBLE FOR EDUCATING THE EMPLOYEES ABOUT SPILL PREVENTION AND CLEANUP PROCEDURES.

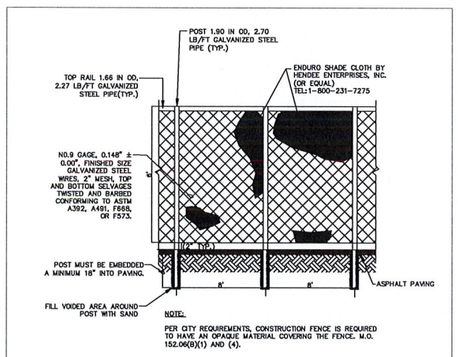
SEQUENCE OF CONSTRUCTION

UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAY DOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS.

1. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AND INSTALL SILT FENCE
2. DEMOLISH EXISTING STRUCTURES, (IF APPLICABLE)
3. CONSTRUCT AND STABILIZE SEDIMENT BASIN AND DRAINAGE SWALES WITH APPROPRIATE OUTFALL STRUCTURES (CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL CONTROL DEVICES LISTED ABOVE)
4. INSTALL AND STABILIZE ANY NECESSARY HYDRAULIC CONTROL STRUCTURES (DIKES, CHECK DAMS, OUTLET TRAPS, ETC.)
5. PREPARE CLEARING AND GRUBBING OF THE SITE, (IF APPLICABLE)
6. START CONSTRUCTION OF THE BUILDING PAD AND STRUCTURES
7. PERFORM MASS GRADING, ROUGH GRADE TO ESTABLISH PROPOSED DRAINAGE PATTERNS.
8. TEMPORARILY SEED, THROUGHOUT CONSTRUCTION, DISTURBED AREAS THAT WILL BE INACTIVE FOR 7 DAYS OR MORE AS REQUIRED BY GENERIC PERMIT.

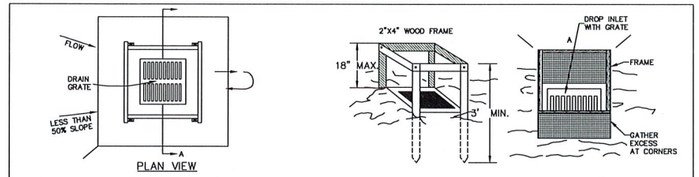
HALT ALL ACTIVITIES AND CONTACT THE CIVIL ENGINEER CONSULTANT TO PERFORM INSPECTION AND CERTIFICATION OF BMPS. GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT STORM WATER PRE-CONSTRUCTION MEETING WITH ENGINEER AND ALL GROUND DISTURBING CONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.

CONTRACTOR TO BE RESPONSIBLE FOR OBTAINING ALL DEWATERING PERMITS NECESSARY FOR CONSTRUCTION.



NOTE:
PER CITY REQUIREMENTS, CONSTRUCTION FENCE IS REQUIRED TO HAVE AN OPAQUE MATERIAL COVERING THE FENCE. M.O. 152.06(B)(1) AND (4).

6' CHAIN LINK CONSTRUCTION FENCE WITH VISUAL DUST SCREEN
N.T.S.



PLAN VIEW

SECTION A–A

PERSPECTIVE VIEWS

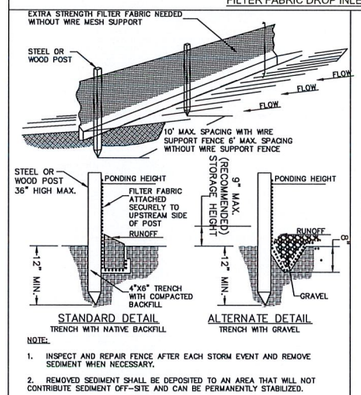
NOTES:
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS
2. USE 2X4 OR EQUIVALENT METAL STAKES, (3' MIN. LENGTH)
3. INSTALL 2X4 TOP WOOD FRAME TO INSURE STABILITY.
4. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY PASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

ELEVATION OF STAKE AND FABRIC ORIENTATION

DETAIL A

SPECIFIC APPLICATION:
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS IS A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 5%) WHERE THE INLET SHEET OR OVERLAND FLOWS (NOT EXCEEDING 1 C.F.S.) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

FILTER FABRIC DROP INLET SEDIMENT BARRIER

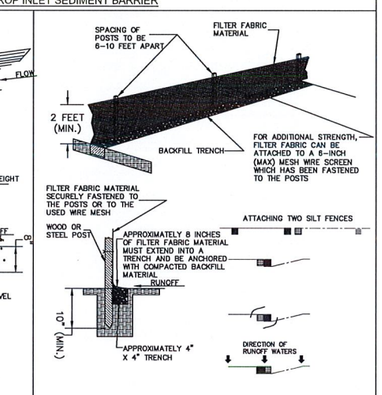


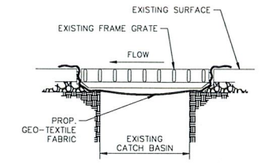
STANDARD DETAIL
TRENCH WITH NATIVE BACKFILL

ALTERNATE DETAIL
TRENCH WITH GRAVEL

NOTE:
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF–SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

SILT FENCE DETAIL


SPACING OF POSTS TO BE 6–10 FEET APART
FILTER FABRIC MATERIAL
2 FEET (MIN.)
BACKFILL TRENCH
FOR ADDITIONAL STRENGTH, FILTER FABRIC CAN BE ATTACHED TO A 6–INCH (MAX) MESH WIRE SCREEN WHICH HAS BEEN FASTENED TO THE POSTS
FILTER FABRIC MAT

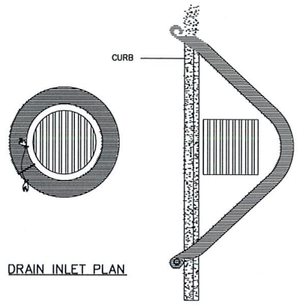


NOTES:

1. CONTRACTOR SHALL PERFORM DAILY INSPECTIONS OF GEO-TEXTILE FABRIC BARRIER AND AS NECESSARY REPLACE OR REPAIR AS REQUIRED, SPECIFICALLY AFTER STORM EVENTS AND LARGE RAINFALL EVENTS.
2. SEDIMENTATION AND DEBRIS THAT ARE REMOVED FROM BARRIERS SHALL BE LEGALLY DISPOSED OF AT AN AUTHORIZED OFF-SITE DISPOSAL FACILITY.

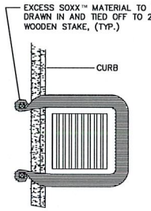
DROP INLET SEDIMENT BARRIER

SCALE: N.T.S.

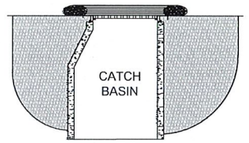


DRAIN INLET PLAN

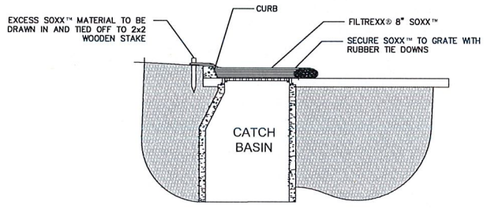
CURBSIDE OPTION "A" PLAN



CURBSIDE OPTION "B"\ PLAN



DRAIN INLET SECTION



CURBSIDE SECTION

NOTES:

1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
2.
3. FILTER MEDIA™ FILL TO MEET APPLICATION REQUIREMENTS.
4. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

FILTREXX INLET PROTECTION (OR APPROVED EQUAL)

SCALE: N.T.S.

PLANS ARE IN NAVD88 DATUM CONVERSION EQUATION IS BELOW: (NGVD 1929) – 1.594' = (NAVD 1988)

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CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
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WEST PALM BEACH, FL 33411-2410
REGISTRY No. 35106

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

CON NO.: 111AAA
KEY PLAN

MICHAEL SCHWARTZ
LICENSE
No. 56200
STATE OF FLORIDA
PROFESSIONAL ENGINEER
JAN 31 2024

REVISION

NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
EROSION CONTROL NOTES AND DETAILS
SHEET NO.
C1.11

Plotted By:Martinez, Moises Sheet Set:MEMORIAL MANOR FSED Layout:C1.11 EROSION CONTROL NOTES AND DETAILS January 31, 2024 02:00:38pm K:\WPB_DevServices\144767019 – Memorial Manor FSED\CADD\PlanSheets\C1.10 EROSION CONTROL NOTES AND DETAILS.dwg
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Plotted By:Martinez, Moises Sheet Set:MEMORIAL MANOR FSED Layout:C2.00 DEMOLITION PLAN January 31, 2024 02:00:53pm K:\WPB_Dev\Services\144767\019 - Memorial Manor FSED\CADD\PlanSheets\C2.00 DEMOLITION PLAN.dwg
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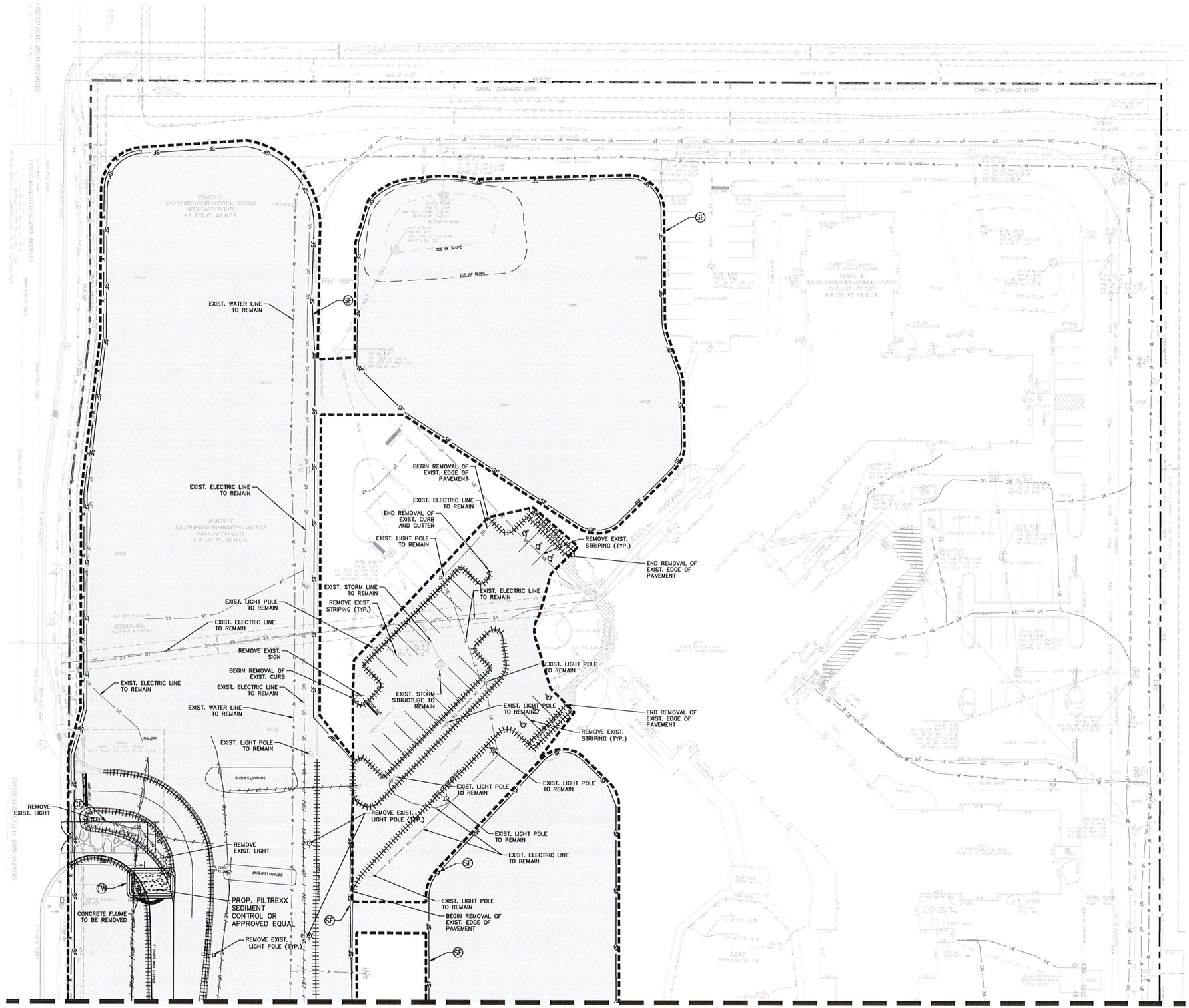
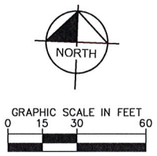


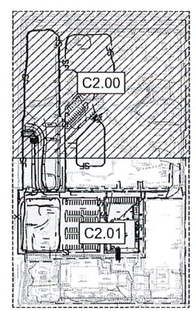


LEGEND

- PROPERTY LINE
- LIMITS OF DEMOLITION
- PHASING LIMITS
- CURB TO BE REMOVED
- ELECTRIC LINE TO BE REMOVED
- SEWER LINE TO BE REMOVED
- STORM PIPE TO BE REMOVED
- COMMUNICATION LINE TO BE REMOVED
- WOOD FENCE TO BE REMOVED
- WOOD FENCE TO REMAIN
- COMMUNICATION LINE TO REMAIN
- ELECTRIC LINE TO REMAIN
- SANITARY PIPE TO REMAIN
- OVERHEAD ELECTRIC TO REMAIN
- STORM PIPE TO REMAIN
- FIRE LINE TO REMAIN
- WATER LINE TO REMAIN
- (CF) TEMPORARY CONSTRUCTION FENCE
- (SF) TEMPORARY SILT FENCE
- (FS) FILTER SACK DROP INLET SEDIMENT BARRIER
- (TW) TRUCK WASH
- (CE) CONSTRUCTION ENTRANCE

DEMOLITION NOTES

1. CONTRACTOR SHALL COORDINATE WITH THE HOSPITAL PRIOR TO CLOSING ANY ACCESS POINTS TO THE SITE.
2. CONTRACTOR SHALL PREPARE A DEMOLITION PHASING PLAN PRIOR TO STARTING DEMOLITION.
3. REFER TO TREE DISPOSITION PLANS FOR TREE REMOVAL/RELOCATION INFORMATION.



KEY MAP
1"=300'

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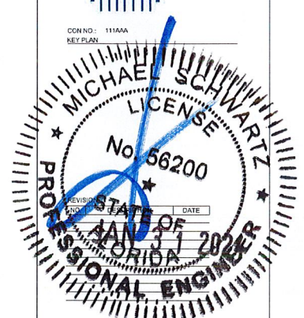
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

CON NO.: 111AAA
KEY PLAN



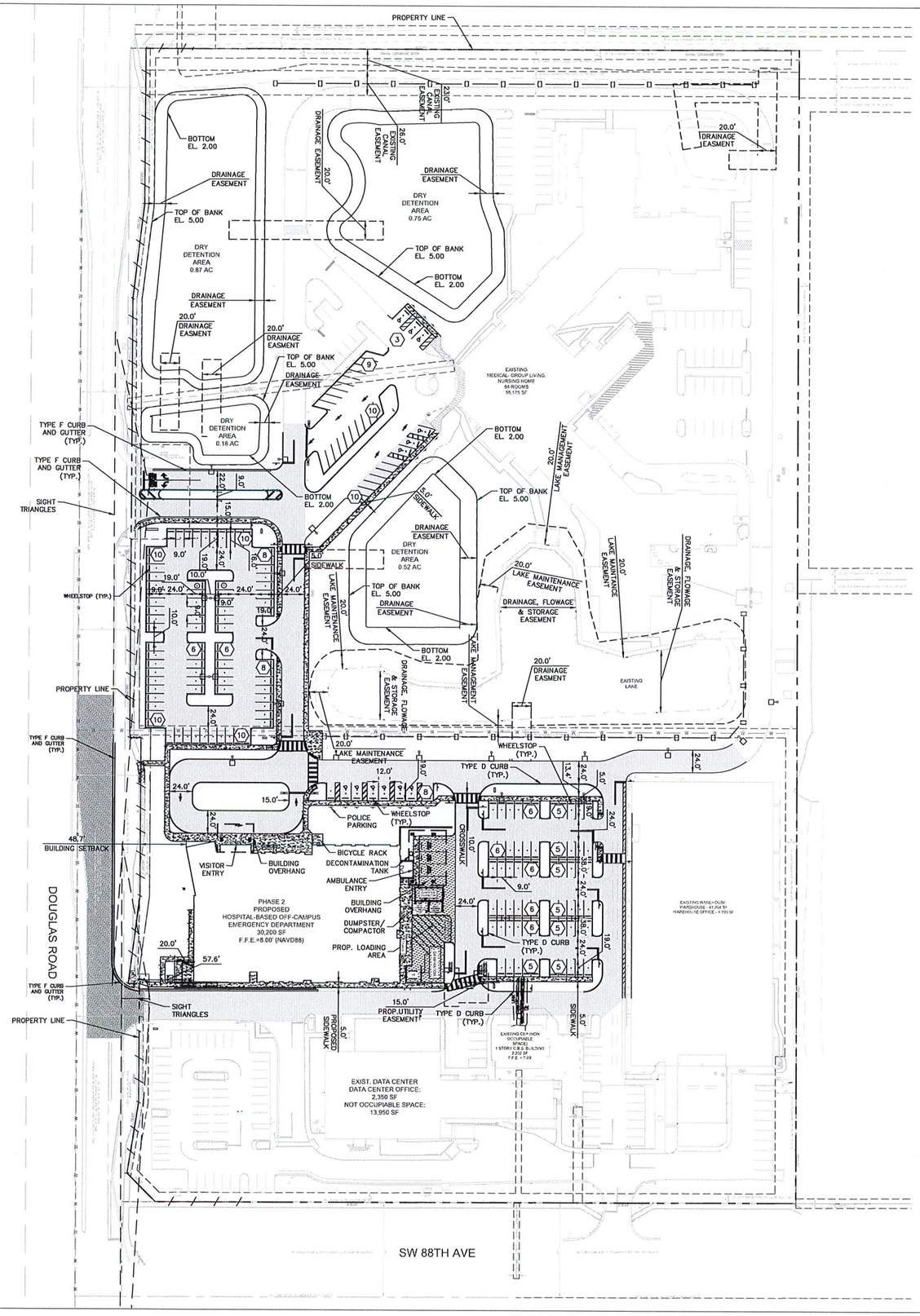
REVISIONS	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
DEMOLITION PLAN

SHEET NO.
C2.00

MATCHLINE - SEE SHEET C2.00

REMOVE EXIST. LIGHT POLE (TYP.)
REMOVE EXIST. SIGN
REMOVE EXIST. LIGHT POLE (TYP.)
CONCRETE FLUME TO BE REMOVED (TYP.)
REMOVE EXIST. SIGN (TYP.)
END REMOVAL OF EXIST. STRIPING
REMOVE EXIST. CONCRETE PAD
REMOVE EXIST. SIGN (TYP.)
REMOVE EXIST. STRIPING
REMOVE EXIST. SIGN
REMOVE EXISTING STORM STRUCTURE
EXIST. RIGHT TURN LANE AND ENTRY INTO THE SITE FROM DOUGLAS ROAD TO BE DEMOLISHED. SEE SHEET C11.00 FOR DETAILS.
REMOVE EXIST. SIGN
REMOVE EXISTING LIGHT POLE
EXIST. GRASS RETENTION AREA TO BE REMOVED
REMOVE EXIST. LIGHTS (TYP.)
REMOVE EXISTING STORM STRUCTURE
REMOVE EXIST. STORM STRUCTURE
REMOVE EXIST. STORM STRUCTURE
BEGIN REMOVAL OF EXIST. STRIPING
END REMOVAL OF EXIST. CURB
REMOVE EXIST. STORM STRUCTURE
BEGIN REMOVAL OF EXIST. WOOD FENCE
REMOVE EXIST. SIGN
REMOVE EXIST. SPEED HUMPS
REMOVE EXIST. SIGN (TYP.)
REMOVE EXIST. STRIPING (TYP.)
REMOVE EXIST. LIGHT POLE (TYP.)
REMOVE EXIST. LIGHT POLE
REMOVE EXIST. ASPHALT AND BASE MATERIAL
REMOVE EXIST. SIGN (TYP.)
REMOVE EXISTING SIDEWALK
REMOVE EXISTING BOLLARDS
BEGIN REMOVAL OF ELECTRIC LINE
REMOVE EXIST. FIRE LANE SIGNS (2 TYP.)
REMOVE EXIST. LIGHT POLE (TYP.)
REMOVE EXIST. SIGN (TYP.)
BEGIN REMOVAL OF EXIST. CURB
END REMOVAL OF EXIST. CURB
BEGIN REMOVAL OF EXISTING CURB AND GUTTER
EXIST. ASPHALT TO BE REMOVED
EXISTING 4" D,D.C.V.A
EXISTING 4" WATER METER
EXISTING OVERHEAD UTILITIES TO BE REMOVED (CONTRACTOR TO COORDINATE WITH HOSPITAL PRIOR TO REMOVAL)
END REMOVAL OF EXISTING ELECTRIC LINE
END REMOVAL OF EXISTING ELECTRIC LINE
END REMOVAL OF EXIST. WOOD FENCE
EXISTING OUTFALL TO BE REMOVED
REMOVE EXIST. SPEED HUMPS
REMOVE EXIST. STRIPING (TYP.)
REMOVE EXIST. CONC. SIDEWALK
REMOVE EXIST. SIGNS (12 TYP.)
REMOVE EXIST. FIRE LANE SIGNS (2 TYP.)
BEGIN REMOVAL OF EXISTING SEWER LINE
BEGIN REMOVAL OF EXISTING ELECTRIC LINE
REMOVE EXIST. ELECT. STRUTURE
REMOVE EXIST. SEWER CLEANOUT (TYP.)
REMOVE EXIST. ELECT. STRUTURE
REMOVE EXIST. CONC. RAMP
#801
EXISTING HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT FINISH FL. EL=7.09' (NAVD88)
EXIST. BUILDING TO BE DEMOLISHED (SEE ARCHITECTURAL PLANS FOR DETAILS)
EXIST. STRIPING TO BE REMOVED
BEGIN REMOVAL OF ELECTRIC LINE
BEGIN REMOVAL OF EXIST. FENCE
END REMOVAL OF EXIST. FENCE
END REMOVAL OF EXIST. CURB AND GUTTER
REMOVE EXIST. COLUMNS
REMOVE EXIST. COVERED OVERHEAD
WATER AND FIRE SERVICE LINE TO BE REMOVED AND PLUGGED PER ARCHITECTURAL AND/OR PLUMBING PLANS
END REMOVAL OF EXIST. STRIPING BY WATERBLAST
REMOVE EXIST. SEWER CLEANOUT (TYP.)
END REMOVAL OF EXISTING SEWER LINE BY PERMANENTLY CAPPING EXISTING WYE
REMOVE EXIST. STRIPING (TYP.)
REMOVE EXIST. COVERED CONC.
REMOVE EXIST. 10" PVC
CONTRACTOR SHALL CONSTRUCT A CONCRETE PLUG AT WEST INVERT UPON REMOVAL OF EXISTING 10" PVC PIPE
REMOVE EXIST. ELECT. STRUTURE
BEGIN REMOVAL OF EXISTING ELECTRIC LINE
EXIST. ASPHALT TO BE REMOVED
END REMOVAL OF EXISTING ELECTRIC LINE
REMOVE EXIST. SIGNS (3 TYP.)
REMOVE EXIST. STRIPING
REMOVE EXIST. STRUCTURE
REMOVE EXIST. STRIPING
REMOVE EXIST. STRIPING
REMOVE EXIST. STRIPING



GENERAL SITE INFORMATION

SITE ADDRESS:	801 SOUTH DOUGLAS RD	
PCN:	5141 16 19 0010	
FEMA FIRM MAP:	12011C0545H	8/18/2014
FEMA ELEVATION	6.0 NAVD	
SITE AREA:	19.69	ACRES
	857,696	SQ. FEET

AREA BREAKDOWN

AREA TYPE	ACRES	SQ. FEET	PERCENTAGE
BUILDING	3.44	149,779	17.46%
PERVIOUS	5.85	254,731	29.70%
PAVEMENT	7.97	347259.45	40.49%
SIDEWALK	0.47	20441.22	2.38%
DRY DETENTION	1.96	85485.37	9.97%
TOTAL AREA:	19.69	857,696	100.00%

SETBACKS

	REQUIRED	PROVIDED
FRONT	25 FEET	48 FEET
SIDE	15 FEET	232 FEET
REAR	20 FEET	406 FEET

REQUIRED PARKING CALCULATION

BUILDING/USE	PARKING CATEGORY	BUILDING AREA	PARKING RATE	SPACES
EX. HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT (TO BE DEMOLISHED)	MEDICAL - SPECIALIZED	-	3.5 SPACE/1,000 SF	-
EX. MEMORIAL MANOR (64 ROOMS, 120 BEDS)	GROUP LIVING (NURSING HOME)	55,175	0.5 SPACE/ROOM	32
EX. WAREHOUSE (WAREHOUSE BUILDING)	WAREHOUSE	33,204	1 SPACE/1,000 SF	34
EX. WAREHOUSE BUILDING OFFICE	OFFICE GENERAL	12,700	3.5 SPACE/1,000 SF	45
EX. DATA CENTER OFFICE	OFFICE GENERAL	2,350	3.5 SPACE/1,000 SF	9
EX. NOT OCCUPIABLE DATA CENTER	WAREHOUSE OR WHOLESALE	13,950	1 SPACE/1,000 SF	14
EX. NON OCCUPIABLE CENTRAL ENERGY PLANT	WAREHOUSE OR WHOLESALE	2,200	1 SPACE/1,000 SF	3
PROPOSED HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT	HOSPITAL	30,200	3.5 SPACE/1,000 SF	106
				243

LEGEND:

- PROPERTY LINE
- DECORATIVE FENCE
- PROPOSED HEAVY DUTY CONCRETE
- DETECTABLE WARNING SURFACE
- PROPOSED CONCRETE
- PROPOSED ASPHALT
- (9) PARKING COUNT

PARKING PROVIDED

	SPACES
EXISTING PARKING	268
REGULAR SPACES	250
ADA SPACES	18
DEMOLISHED PARKING	115
REGULAR SPACES	103
ADA SPACES	12
PROPOSED PARKING	188
REGULAR SPACES	174
ADA SPACES	14
PROVIDED PARKING	341
REGULAR SPACES	321
ADA SPACES	20
TOTAL:	341

NORTH

GRAPHIC SCALE IN FEET
0 30 60 120

PLANS ARE IN NAVD88 DATUM CONVERSION EQUATION IS BELOW: (NGVD 1929) – 1.594' = (NAVD 1988)

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR DEWATERING AND OBTAINING ALL NECESSARY PERMITS.

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IT'S THE LAW! DIAL 811
811 Know what's below. Call before you dig.
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HKS ARCHITECTS, INC
2029 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL 33134

INTERIOR DESIGN
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225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201

MEP ENGINEER
TLC ENGINEERING SOLUTIONS
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LOW VOLTAGE
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NASHVILLE, TN 37204

MEDICAL EQUIPMENT
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SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410
REGISTRY No: 35105

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

CON NO: 111AAA
KEY PLAN

MICHAEL I. SCHWARTZ
LICENSE
No. 86200
STATE OF FLORIDA
PROFESSIONAL ENGINEER
JAN 31 2024

REVISION		
NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
MASTER SITE PLAN

SHEET NO.
C3.00

Plotted By:Martinez, Moises Sheet Set:MEMORIAL MANOR FSED Layout:C3.00 MASTER SITE PLAN January 31, 2024 02:01:12pm K:\WPB_DevServices\144767019 – Memorial Manor FSED\CAD\PlanSheets\C3.00 MASTER SITE PLAN.dwg
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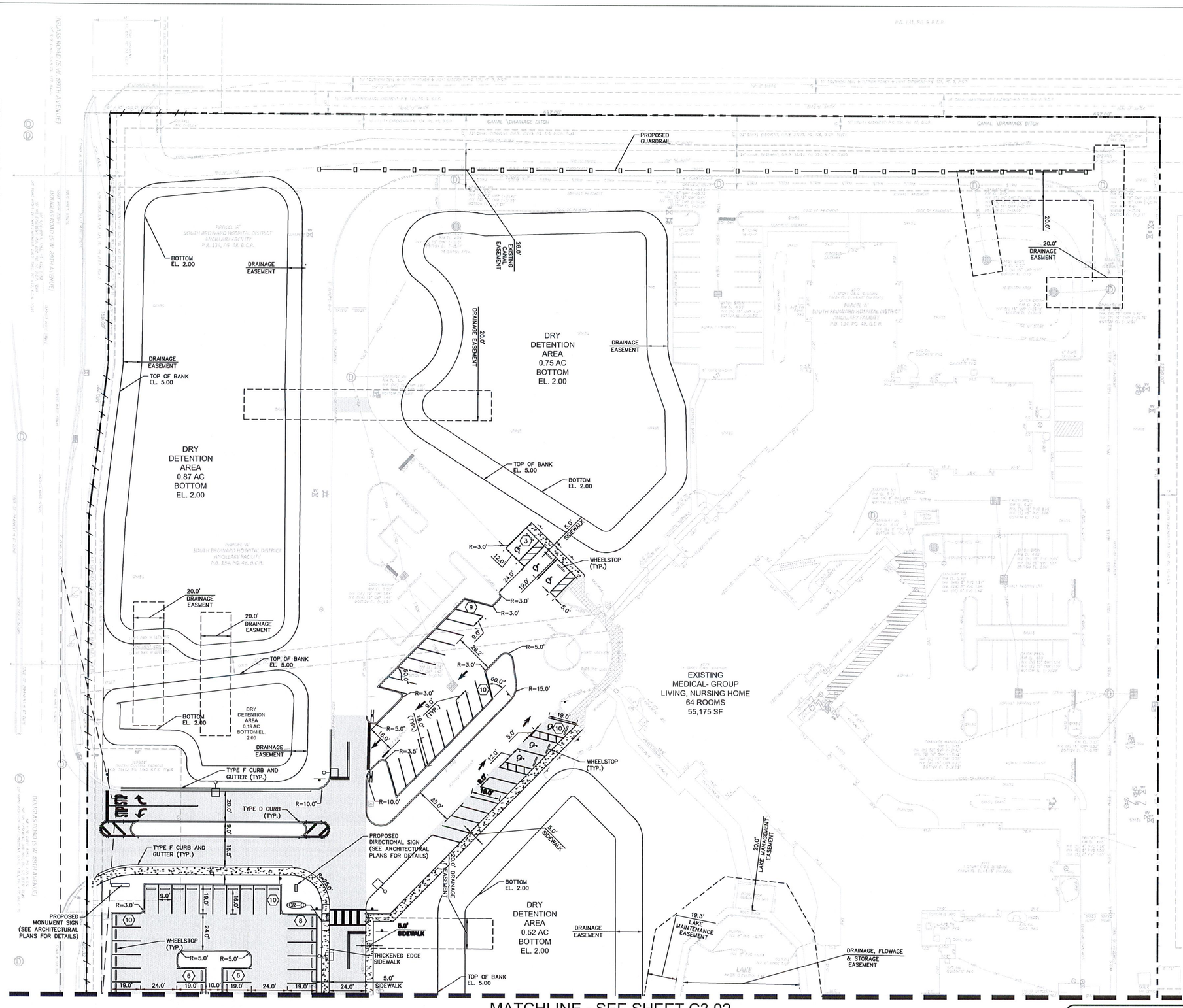

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND

- PROPERTY LINE
- NVAL LINE
- PROPOSED HEAVY DUTY CONCRETE
- DETECTABLE WARNING SURFACE
- PROPOSED CONCRETE
- PROPOSED STANDARD DUTY ASPHALT
- SITE TRIANGLES
- GUARD RAIL
- PROPOSED LIGHT POLE
- PARKING COUNT

NOTES:

1. ALL PROPOSED VEHICULAR AND PEDESTRIAN TRAFFIC RELATED PAVEMENT MARKINGS AND SIGNAGE MUST COMPLY WITH BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (BCTED) AND MUTCD STANDARDS AS ADOPTED BY THE CITY CODE OF ORDINANCES. ACCORDINGLY, REVISIT THE PROPOSED PAVEMENT MARKINGS AS DEPICTED ON THE PLAN AND DENOTE IN THE "LEGEND" TO COMPLY WITH THE TYPICAL BCTED STANDARDS AS REFLECTED ON THE BCTED "PAVEMENT MARKINGS AND SIGNS DETAILS" SHEET. APPLICABLE RPMS MUST BE DEPICTED ON THE PLAN WHEN THE PROPOSED PAVEMENT MARKINGS AND NOTED FOR EACH APPLICABLE PAVEMENT MARKING IN THE "LEGEND" FOR EACH APPLICABLE PAVEMENT MARKING ITEM.
2. ALL MARKINGS SHALL BE THERMOPLASTIC MATERIAL MEETING THE BCTED AND FDOT STANDARDS, EXCEPT FOR THE PARKING SPACE MARKINGS WHICH MAY BE REFLECTORIZED PAINT MEETING THE BCTED STANDARDS AND FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) SPECIFICATIONS FOR 'STANDARD PAINT'.
3. ALL DOUBLE YELLOW PAVEMENT MARKINGS ASSOCIATED WITH 'STOP BARS' ARE TO HAVE YELLOW/YELLOW RPM's AT 20' O.C.
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   A. BLUE (FIRE HYDRANTS)
   B. WHITE (WATER MAIN VALVES IN ADJACENT GREEN/LANDSCAPE AREAS)
   C. ORANGE (SEWER MANHOLES IN ADJACENT GREEN/LANDSCAPE AREAS)
   D. GREEN (SEWER FORCE MAIN VALVES IN ADJACENT GREEN/LANDSCAPE AREAS)
   E. RED (FDC -- FIRE DEPARTMENT CONNECTIONS)
5. PAVEMENT MARKINGS AND SIGNAGE FOR ALL ACCESSIBLE PARKING SPACES SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) 'STANDARDS PLANS', INDEX NOS. 711-001 AND 700-102 AND LATEST CITY STANDARD DETAIL R-32, 'ACCESSIBLE PARKING SPACE DETAILS'.
6. WIDTH MEASUREMENTS OF PARKING SPACES AND ACCESS AISLES SHALL BE MEASURED FROM THE CENTERLINE OF THE WHITE MARKINGS, EXCEPT WHEN PARKING SPACES OR ACCESS AISLES ARE ADJACENT TO A CURB OR EDGE OF PAVEMENT AND NOT ADJACENT TO ANOTHER PARKING SPACE, THEN THE WIDTH MEASUREMENTS MAY INCLUDE THE FULL WIDTH OF THE LAST SPACE MARKING.
7. ALL PARKING SPACES MUST HAVE A PAVEMENT MARKING ON EACH SIDE OF EACH SPACE TO IDENTIFY THE LIMITS OF THE SPACE.
8. ALL SIDEWALK CURB RAMPS 5' OUTSIDE AND BEYOND THE BUILDING ENVELOPE SHALL BE PER FDOT 'STANDARD PLANS', INDEX NO. 522-002.
9. ALL PEDESTRIAN/ACCESSIBLE CROSSINGS SHALL COMPLY WITH FDOT AND MTUCD STANDARDS. "MID-BLOCK" TYPE PEDESTRIAN/ACCESSIBLE CROSSINGS SHALL BE 10' IN WIDTH AND HAVE "SPECIAL EMPHASIS" PAVEMENT MARKINGS AND PEDESTRIAN/ACCESSIBLE CROSSING SIGNAGE AND PEDESTRIAN/ACCESSIBLE CROSSING ADVANCE WARNING SIGNAGE PER FDOT 'DESIGN MANUAL', SECTION 230 AND MUTCD STANDARDS. IF A "CROSSING" STRICTLY SERVES OR IS DESIGNATED FOR ACCESS TO ACCESSIBLE PARKING SPACES, THE USE OF ACCESSIBLE CROSSING (W11-9) SIGNAGE IS RECOMMENDED IN INSTEAD OF THE TYPICAL PEDESTRIAN CROSSING (W11-2) SIGNAGE. THERMOPLASTIC MATERIAL FOR "SPECIAL EMPHASIS" PAVEMENT MARKINGS (CROSSWALKS) SHALL BE 'PREFORMED OR HIGH FRICTION THERMOPLASTIC' COMPLYING WITH FDOT 'STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION', SECTION 711.
10. ALL ACCESSIBLE PARKING SPACES, ACCESSIBLE PARKING ACCESS AISLES, SIDEWALK CURB RAMPS, ACCESSIBLE ROUTES AND RAMPS MUST BE ADA COMPLIANT PER FLORIDA BUILDING CODE, SIXTH EDITION, 'ACCESSIBILITY'.
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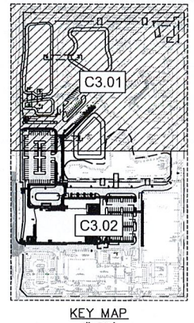
12. ALL VEHICULAR TRAFFIC/PEDESTRIAN PAVEMENT MARKINGS AND SIGNAGE WITHIN THE PROJECT LIMITS SHALL BE FIELD CHECKED AT THE TIME OF FINAL INSPECTION TO CONFIRM COMPLIANCE WITH BCTED STANDARDS/REQUIREMENTS. ALL NON-CONFORMING PAVEMENT MARKINGS AND SIGNAGE, INCLUDING THE SUPPORT POSTS, WILL BE REQUIRED TO BE REPLACED FOR ACCEPTANCE OF THE PERMITTED WORK AND CLOSE-OUT OF THE ENGINEERING CONSTRUCTION PERMIT.
13. A FINAL INSPECTION OF THE COMPLETED SITE ENGINEERING IMPROVEMENTS/WORK MUST BE SCHEDULED THROUGH THE CITY ENVIRONMENTAL SERVICES/ENGINEERING DIVISION FOR ACCEPTANCE OF THE WORK AND CLOSE-OUT OF THE ENGINEERING CONSTRUCTION PERMIT.



KEY MAP
1"=300'

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REGISTRY No. 35106

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

CCN NO.: 111AAA
KEY PLAN

MICHAEL SCHWARTZ LICENSE No. 56200 STATE OF FLORIDA PROFESSIONAL ENGINEER
JAN 31 2024

REVISION NO.	DESCRIPTION	DATE

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SHEET TITLE
SITE PLAN
SHEET NO.
C3.01

Plotted By: Martinez, Moises Sheet Set: MEMORIAL MANOR FSED Layout: C3.01 SITE PLAN January 31, 2024 02:01:22pm K:\WPB_DevServices\144767019 – Memorial Manor FSED\CADD\PlanSheets\C3.01 SITE PLAN.dwg
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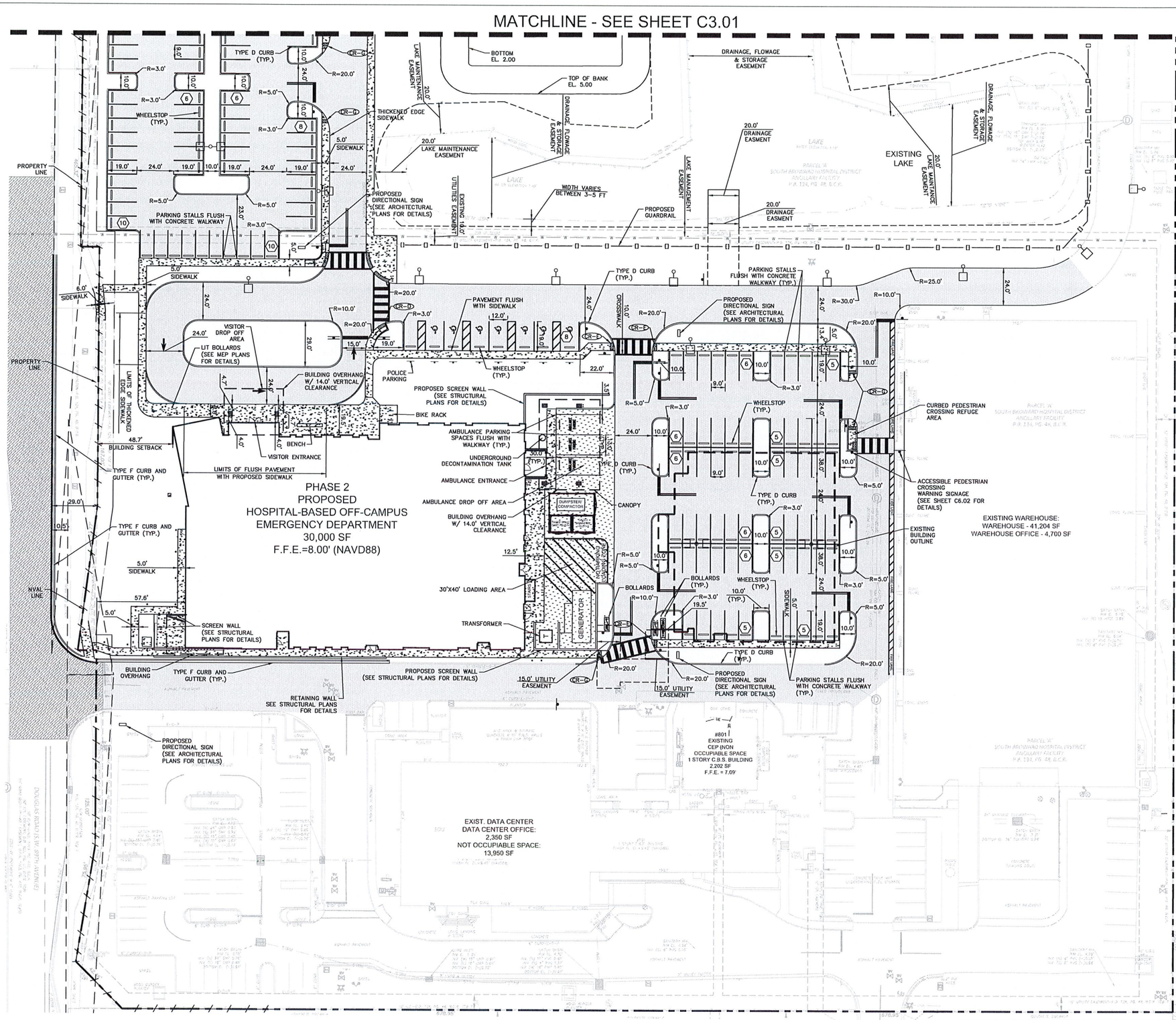

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND

- PROPERTY LINE
- NVAL LINE
- PROPOSED HEAVY DUTY CONCRETE
- DETECTABLE WARNING SURFACE
- PROPOSED CONCRETE
- PROPOSED STANDARD DUTY ASPHALT
- SITE TRIANGLES
- GUARD RAIL
- PROPOSED LIGHT POLE
- (4) PARKING COUNT

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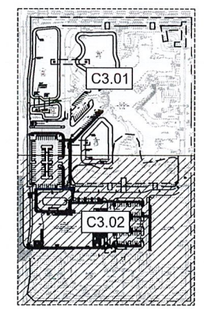
12. ALL VEHICULAR TRAFFIC/PEDESTRIAN PAVEMENT MARKINGS AND SIGNAGE WITHIN THE PROJECT LIMITS SHALL BE FIELD CHECKED AT THE TIME OF FINAL INSPECTION TO CONFIRM COMPLIANCE WITH BCTED STANDARDS/REQUIREMENTS. ALL NON-CONFORMING PAVEMENT MARKINGS AND SIGNAGE, INCLUDING THE SUPPORT POSTS, WILL BE REQUIRED TO BE REPLACED FOR ACCEPTANCE OF THE PERMITTED WORK AND CLOSE-OUT OF THE ENGINEERING CONSTRUCTION PERMIT.
13. A FINAL INSPECTION OF THE COMPLETED SITE ENGINEERING IMPROVEMENTS/WORK MUST BE SCHEDULED THROUGH THE CITY ENVIRONMENTAL SERVICES/ENGINEERING DIVISON FOR ACCEPTANCE OF WORK AND CLOSE-OUT OF THE ENGINEERING CONSTRUCTION PERMIT.



KEY MAP
1"=300'

PLANS ARE IN NAVD88 DATUM CONVERSION EQUATION IS BELOW: (NGVD 1929) – 1.594' = (NAVD 1988)

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR DEWATERING AND OBTAINING ALL NECESSARY PERMITS.

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STRUCTURAL ENGINEER
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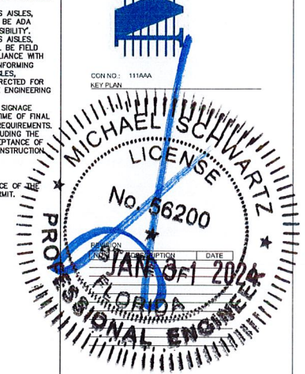
REGISTRY No: 35106

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

CON NO.: 111AAA
KEY PLAN



NO.	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION	JAN. 31, 2024

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
SITE PLAN

SHEET NO.
C3.02

Plotted By:Martinez, Moises - Sheet Set:MEMORIAL MANOR FSED - Layout:C3.02 SITE PLAN - January 31, 2024 - 02:01:26pm - K:\WPB_DevServices\144767019 – Memorial Manor FSED\CADD\PlanSheets\C3.01 SITE PLAN.dwg
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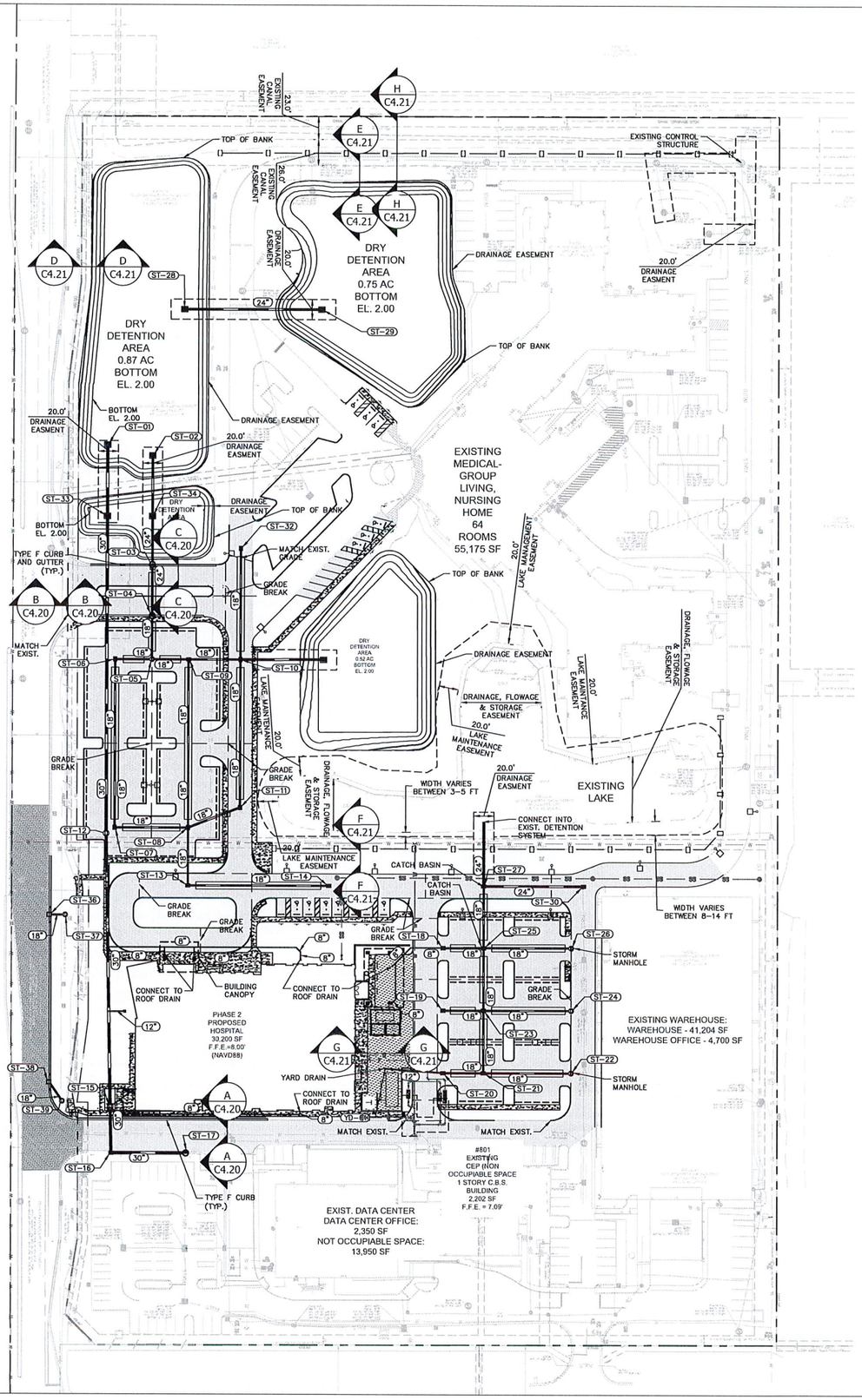

DRAINAGE STRUCTURE TABLE			
STRUCTURE NUMBER	STRUCTURE TYPE	RIM ELEVATION	INVERT ELEVATION
CO-01	CLEANOUT	RIM = 7.92	(8") 3.57 (S) (8") 3.57 (N)
ST-01	PROPOSED 5'-1"x 6'ø TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 2.00	(30") -3.80 (S)
ST-02	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 2.00	(24") -4.71 (S)
ST-03	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 5.00	(24") 1.00 (S) (24") 1.00 (N)
ST-04	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 4.93	(18") 1.00 (S) (24") 1.00 (N)
ST-05	PROP. 4'ø DRAINAGE MANHOLE	RIM = 5.38	(18") 1.00 (E) (18") 1.00 (W) (18") 1.00 (N)
ST-06	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 5.12	(18") 1.00 (S) (18") 1.00 (E)
ST-07	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 5.13	(18") 1.00 (E) (18") 1.00 (N)
ST-08	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 5.13	(18") -3.05 (NE) (18") -2.98 (S) (18") 1.00 (N) (18") 1.00 (W)
ST-09	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 5.12	(18") 1.00 (S) (18") -3.05 (E) (18") 1.00 (W)
ST-10	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 5.20	(18") -3.05 (S) (18") 1.00 (N) (18") -3.05 (W) (24") 1.00 (E)
ST-11	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 5.36	(18") -3.05 (N) (18") -3.05 (SW)
ST-12	PROP. 6'ø DRAINAGE MANHOLE	RIM = 5.24	(30") -4.10 (S) (30") -3.80 (N)
ST-13	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 5.28	(18") 2.00 (E) (18") -2.98 (N)
ST-14	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 5.06	(18") 2.00 (W)
ST-15	PROP. 6'ø DRAINAGE MANHOLE	RIM = 7.27	(8") 1.00 (SE) (30") -4.00 (S) (8") 0.90 (W) (30") -4.00 (N)
ST-16	PROPOSED 5'-1"x 6'ø TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 5.37	(30") 0.34 (E) (30") -4.00 (N)
ST-17	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 5.14	(30") 0.34 (W)
ST-18	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 5.45	(8") 2.17 (W) (18") 1.00 (E)
ST-19	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 5.76	(18") 1.00 (E)
ST-20	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 5.76	(12") 0.59 (W) (18") 1.00 (E)
ST-21	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 5.55	(18") 1.00 (N) (18") 1.00 (W) (18") 1.00 (E)
ST-22	PROP. 4'ø DRAINAGE MANHOLE	RIM = 6.40	(18") 1.00 (W)
ST-23	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 5.55	(18") 1.00 (N) (18") 1.00 (W) (18") 1.00 (E) (18") 1.00 (S)
ST-24	PROP. 4'ø DRAINAGE MANHOLE	RIM = 6.40	(18") 1.00 (W)
ST-25	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 5.24	(18") 1.00 (W) (18") 1.00 (E) (18") 1.00 (N) (18") 1.00 (S)
ST-26	PROP. 4'ø DRAINAGE MANHOLE	RIM = 6.40	(18") 1.00 (W)
ST-27	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 5.20	(18") 1.00 (S) (24") 1.00 (E) (24") -0.90 (N)
ST-28	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 2.00	(24") -4.66 (E)
ST-29	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 3.00	(24") -4.66 (W)

DRAINAGE STRUCTURE TABLE			
STRUCTURE NUMBER	STRUCTURE TYPE	RIM ELEVATION	INVERT ELEVATION
ST-30	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 5.47	(15") 1.11 (S) (24") 1.11 (W)
ST-31	CONCRETE COLLAR PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.10	RIM = 1.61	(24") -3.50 (S) (24") -0.72 (N)
ST-32	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 5.06	(18") 1.00 (S)
ST-33	PROPOSED 5'-1"x 6'ø TYPE D INLET PER SBDD	RIM = 2.00	(30") -3.80 (S) (30") -2.00 (N)
ST-34	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD	RIM = 2.00	(24") -2.00 (S) (24") -4.71 (N)
ST-35	PROPOSED 5'-1"x4'-1" TYPE D INLET PER SBDD REQUIREMENTS. SEE DETAIL ON SHEET C4.11 USF 6210 FRAME AND GRATE (OR APPROVED EQUAL)	RIM = 3.16	(24") 1.00 (W)
ST-36	FDOT TYPE E CURB INLET	RIM = 5.64	(18") 1.63 (E)
ST-37	PROP. 6'ø DRAINAGE MANHOLE	RIM = 5.68	(18") 1.67 (W)
ST-38	FDOT TYPE E CURB INLET	RIM = 5.63	(18") 1.63 (SE)
ST-39	PROP. 6'ø DRAINAGE MANHOLE	RIM = 5.68	(18") 1.67 (NW)
YD-01	18" ADS BASIN (OR APPROVED EQUAL)	RIM = 7.31	(12") 0.59 (E)
YD-02	18" ADS BASIN (OR APPROVED EQUAL)	RIM = 4.37	(12") 1.75 (W)

NORTH

GRAPHIC SCALE IN FEET
0 30 60 120

GRADING NOTES

1. ALL RAMPS SHALL COMPLY WITH FDOT INDEX 522-002.
2. PROPOSED ELEVATIONS OF CURB REPRESENT FACE OF CURB OR EDGE OF PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED.
3. PROPOSED ELEVATIONS IN ALL PERVIOUS AREAS REPRESENT FINISHED TOP OF SOD/GRASS OR ANY OTHER LANDSCAPING MATERIAL.
4. MATCH EXISTING GRADES AT TIE-IN LOCATIONS AT PROPERTY LINES.
5. TOP OF LANDSCAPED OR SODDED AREA AGAINST BUILDING SHALL BE MIN. 4" BELOW FINISH FLOOR ELEVATION.
6. THE PAVEMENT SHALL HAVE A CROSS SLOPE OF 2% AND A LONGITUDINAL SLOPE OF 0.5% MINIMUM FOR NORMAL CROWN SECTION. THE PAVEMENT SHALL HAVE CROWN SLOPE OF 2% AND A LONGITUDINAL SLOPE OF 1% MINIMUM FOR INVERTED CROWN SECTION OF RUNS GREATER THAN 100 FEET. THE PAVEMENT SHALL HAVE A CROWN SLOPE OF NOT LESS THAN 1% WITH AN AVERAGE CROWN SLOPE OF 2% AND A LONGITUDINAL SLOPE OF NOT LESS THAN 0.5% FOR RUNS LESS THAN 100 FEET. THE "RUN" IS DEFINED AS THE LENGTH OF PAVEMENT BETWEEN THE HIGH AND LOW ELEVATION POINTS.
7. PORTIONS OF THE OFF-SITE DRAINAGE SYSTEM MAY NEED TO BE CLEANED UPON COMPLETION OF CONSTRUCTION. TO BE DETERMINED IN THE FIELD BY SBDD'S INSPECTOR.
8. WHERE INDICATED, CONTRACTOR TO REMOVE EXISTING ASPHALT AND REPLACE WITH (2) 3/4" LIFTS OF TYPE S3 ASPHALT.
9. IF EXISTING BASE IS COMPROMISED DURING PAVEMENT REMOVAL, CONTRACTOR TO CONTACT EOR TO DISCUSS REMEDIATION REQUIREMENTS.

PLANS ARE IN NAVD88 DATUM CONVERSION EQUATION IS BELOW: (NGVD 1929) - 1.594' = (NAVD 1988)

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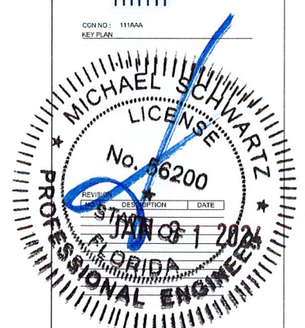
REGISTRY No: 35105

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

CON NO.: 111AAA
KEY PLAN



REVISIONS		
NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
OVERALL PAVING GRADING AND DRAINAGE
SHEET NO.
C4.00

Plotted By: Martinez, Moises - Sheet Set: MEMORIAL MANOR FSED - Layout: C4.00 OVERALL PAVING GRADING AND DRAINAGE - January 31, 2024 - 02:01:59pm - K:\WPB_DevServices\144767019 — Memorial Manor FSED\CADD\PlanSheets\C4.00 OVERALL PAVING GRADING AND DRAINAGE.dwg
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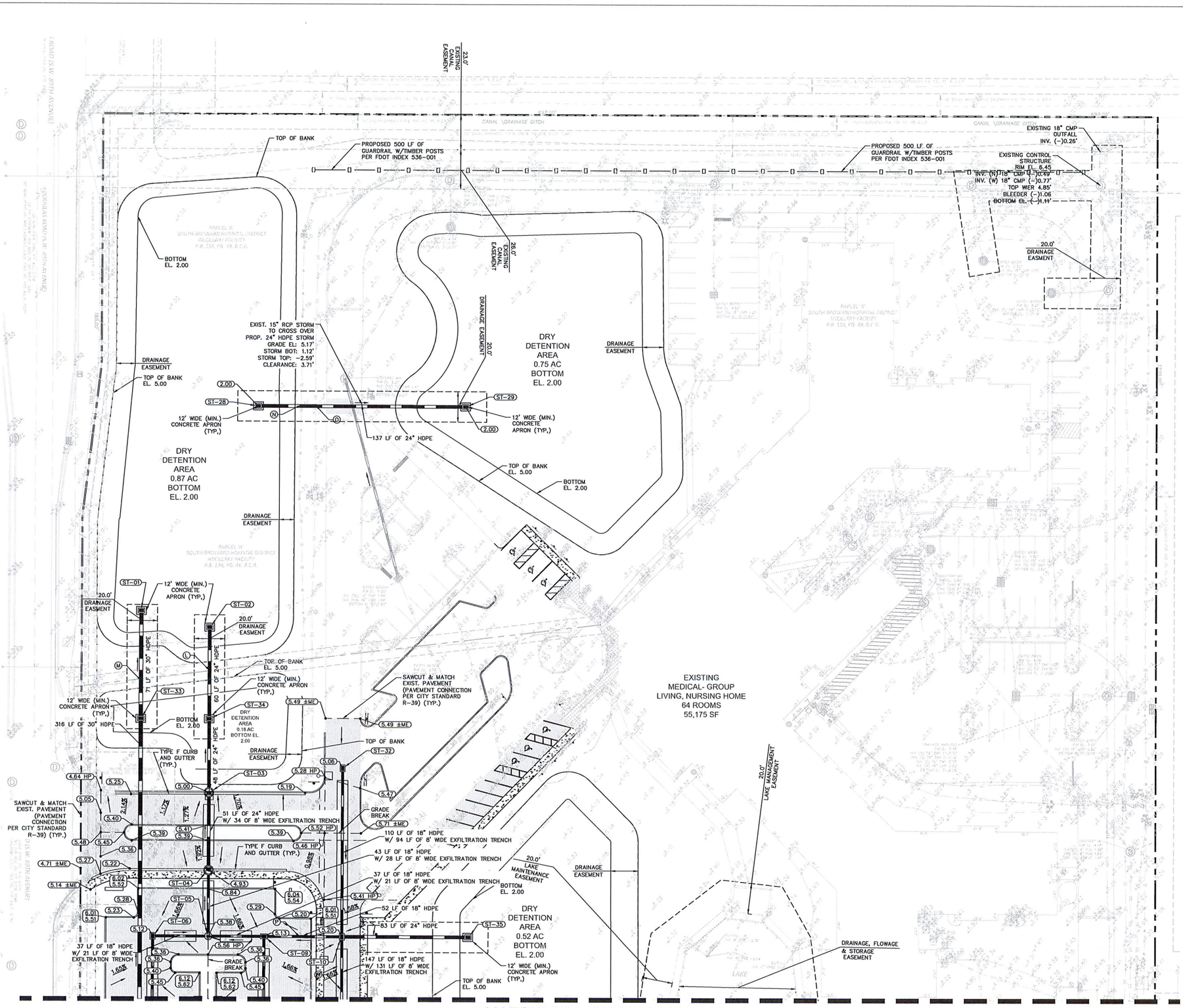

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND

- PROPERTY LINE
- PROPOSED HEAVY DUTY CONCRETE
- DETECTABLE WARNING SURFACE
- PROPOSED CONCRETE
- PROPOSED STANDARD DUTY ASPHA
- EXISTING WATER PIPE
- EXISTING SEWER PIPE
- EXISTING STORM PIPE
- PROPOSED WATER PIPE
- PROPOSED FIRE LINE
- PROPOSED SEWER PIPE
- PROPOSED GUARDRAIL
- GRADING FLOW
- PROPOSED STORM PIPE
- UTILITY CROSSING
- PROPOSED SPOT ELEVATION
- MATCH EXISTING ELEVATION
- PROPOSED SPOT ELEVATION (TOP OF WALK/CURB EDGE OF PAVEMENT)

GRADING NOTES:

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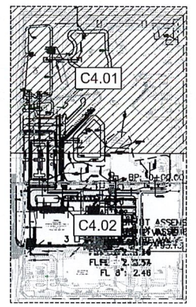

KEY MAP
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STRUCTURAL ENGINEER
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WEST PALM BEACH, FL 33411-2410
REGISTRY No. 35105

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

CON NO.: 11142
KEY DATE

NO.	DESCRIPTION	DATE

MICHAEL SCHWARTZ LICENSE No. 56200 STATE OF FLORIDA PROFESSIONAL ENGINEER

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
PAVING GRADING AND DRAINAGE PLAN
SHEET NO.
C4.01

Plotted By: Martinez, Moises Sheet Set: MEMORIAL MANOR FSED Layout: C4.01 PAVING GRADING AND DRAINAGE PLAN January 31, 2024 02:02:40pm K:\WPB_DevServices\144767019 - Memorial Manor FSED\CADD\PlanSheets\C4.01 PAVING GRADING AND DRAINAGE.dwg
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MATCHLINE - SEE SHEET C4.01

PHASE 2
PROPOSED
HOSPITAL-BASED OFF-CAMPUS
EMERGENCY DEPARTMENT
30,000 SF
F.F.E.=8.00' (NAVD88)

EXISTING LAKE

EXISTING WAREHOUSE:
WAREHOUSE - 41,204 SF
WAREHOUSE OFFICE - 4,700 SF

EXIST. DATA CENTER
DATA CENTER OFFICE:
2,350 SF
NOT OCCUPIABLE SPACE:
13,950 SF

#801
EXISTING
CEP (NON
OCCUPIABLE SPACE
1 STORY C.B.S. BUILDING
2,202 SF
F.F.E. = 7.09'

NORTH

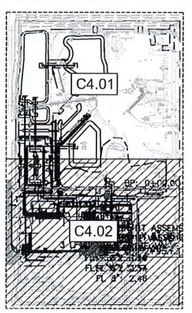
GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND

- PROPERTY LINE
- PROPOSED HEAVY DUTY CONCRETE
- DETECTABLE WARNING SURFACE
- PROPOSED CONCRETE
- PROPOSED STANDARD DUTY ASPHA
- EXISTING WATER PIPE
- EXISTING SEWER PIPE
- EXISTING STORM PIPE
- PROPOSED WATER PIPE
- PROPOSED FIRE LINE
- PROPOSED SEWER PIPE
- PROPOSED GUARDRAIL
- GRADING FLOW
- PROPOSED STORM PIPE
- UTILITY CROSSING
- PROPOSED SPOT ELEVATION
- MATCH EXISTING ELEVATION
- PROPOSED SPOT ELEVATION (TOP OF WALK/CURB, EDGE OF PAVEMENT)

GRADING NOTES:

1. ALL RAMPS SHALL COMPLY WITH FDOT INDEX 522-002.
2. PROPOSED ELEVATIONS OF CURB REPRESENT FACE OF CURB OR EDGE OF PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED.
3. PROPOSED ELEVATIONS IN ALL PERVIOUS AREAS REPRESENT FINISHED TOP OF SOD/GRASS OR ANY OTHER LANDSCAPING MATERIAL.
4. MATCH EXISTING GRADES AT TIE-IN LOCATIONS AT PROPERTY LINES.
5. TOP OF LANDSCAPED OR SODDED AREA AGAINST BUILDING SHALL BE MIN. 4" BELOW FINISH FLOOR ELEVATION.
6. THE PAVEMENT SHALL HAVE A CROSS SLOPE OF 2% AND A LONGITUDINAL SLOPE OF 0.5% MINIMUM FOR NORMAL CROWN SECTION. THE PAVEMENT SHALL HAVE CROWN SLOPE OF 2% AND A LONGITUDINAL SLOPE OF 1% MINIMUM FOR INVERTED CROWN SECTION OF RUNS GREATER THAN 100 FEET. THE PAVEMENT SHALL HAVE A CROWN SLOPE OF NOT LESS THAN 1% WITH AN AVERAGE CROWN SLOPE OF 2% AND A LONGITUDINAL SLOPE OF NOT LESS THAN 0.5% FOR RUNS LESS THAN 100 FEET. THE "RUN" IS DEFINED AS THE LENGTH OF PAVEMENT BETWEEN THE HIGH AND LOW ELEVATION POINTS.
7. PORTIONS OF THE OFF-SITE DRAINAGE SYSTEM MAY NEED TO BE CLEANED UPON COMPLETION OF CONSTRUCTION. TO BE DETERMINED IN THE FIELD BY SBDD'S INSPECTOR.
8. CONTRACTOR TO REMOVE EXISTING ASPHALT AND REPLACE WITH (2) 3/4" LIFTS OF TYPE S3 ASPHALT.
9. IF EXISTING BASE IS COMPROMISED DURING PAVEMENT REMOVAL, CONTRACTOR TO CONTACT EOR TO DISCUSS REMEDIATION REQUIREMENTS.



KEY MAP
1"=300'

PLANS ARE IN NAVD88 DATUM.
CONVERSION EQUATION IS BELOW:
(NGVD 1929) – 1.594' = (NAVD 1988)

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR DEWATERING AND OBTAINING ALL NECESSARY PERMITS.

CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
811 Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

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MEMORIAL HEALTHCARE SYSTEM
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HOLLYWOOD, FL. 33021

ARCHITECT
HKS ARCHITECTS, INC.
2029 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL 33134

INTERIOR DESIGN
HKS ARCHITECTS, INC.
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC.
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201

MEP ENGINEER
TLC ENGINEERING SOLUTIONS
255 S. ORANGE AVE. STE 1600
ORLANDO, FL 32801

LOW VOLTAGE
SMITH SECKMAN REID, INC.
2995 SIDCO DRIVE,
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3309 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410
REGISTRY No. 35105

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

CON NO: 111AAA
KEY PLAN:

MICHAEL J. SCHWARTZ
LICENSE
No. 56200
STATE OF FLORIDA
PROFESSIONAL ENGINEER
JAN 31 2024

REVISIONS	
NO.	DESCRIPTION DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
PAVING GRADING AND DRAINAGE PLAN
SHEET NO.
C4.02

Plotted By: Martinez, Moises Sheet Set: MEMORIAL MANOR FSED Layout: C4.02 PAVING GRADING AND DRAINAGE PLAN January 31, 2024 02:02:58pm K:\WPB_DevServices\144767019 – Memorial Manor FSED\CADD\PlanSheets\C4.01 PAVING GRADING AND DRAINAGE.dwg
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NOTES

1. PLEASE REFER TO LANDSCAPE AND ARCHITECTURAL PLANS FOR GRADING WITHIN THE HARDSCAPE AREAS.
2. CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES. PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR TO NOTIFY ENGINEER OF ANY CONFLICTS.
3. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ENSURE PROPER SAFETY AND WORKMANSHIP WHEN WORKING IN THE VICINITY OF EXISTING UTILITY LINES.
4. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH FPL ON ANY WORK IN THE VICINITY OF OVERHEAD OR UNDERGROUND POWER LINES.
5. CONTRACTOR SHALL VERIFY PROPER CLEARANCE BELOW EXISTING OVERHEAD POWER LINES PRIOR TO WORKING WITHIN THE VICINITY THE POWER LINES.
6. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
7. THE CONTRACTOR SHALL CONTACT THE ENGINEER REGARDING ANY GRADING REVISIONS PRIOR TO CONSTRUCTION OF THE PAVEMENT AREAS.
8. CONTRACTOR TO ADJUST ANY MANHOLE RIMS AND VALVE LIDS TO MATCH PROPOSED GRADES.
9. IF ANY EXISTING STORM DRAINAGE STRUCTURES AND PIPES TO REMAIN IN SERVICE ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR THOSE STRUCTURES TO PRIOR CONDITION, OR BETTER, OR TO REPLACE THEM, AS NECESSARY.
10. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING FRAME AND COVER.
11. ALL MAXIMUM SLOPES ARE ABSOLUTE AND SUPERSEDE CONSTRUCTION TOLERANCES STATED IN THE PROJECT SPECIFICATIONS. THE CONTRACTOR HAS THE OPTION OF ADJUSTING GRADES TO ALLOW FOR CONSTRUCTION TOLERANCES BUT SHALL NOT EXCEED MAXIMUMS SPECIFIED ABOVE BY ANY AMOUNT. PAVEMENT SLOPES WILL BE REVIEWED AFTER CONSTRUCTION AND ANY SLOPES FOUND TO EXCEED THE MAXIMUM SPECIFIED ABOVE WILL BE REPLACED AT THE CONTRACTORS EXPENSE
12. LEVEL CHANGES BETWEEN GROUND SURFACE MATERIALS MUST NOT EXCEED ½ INCH HIGH. IF A LEVEL CHANGE DOES EXCEED ½ INCH HIGH IT MUST BE BEVELED WITH A SLOPE THAT DOES NOT EXCEED ½ (V:H) FOR A LEVEL CHANGE UP TO ½ INCH HIGH. IF THE CHANGE IS MORE THAN ½ INCH THE CHANGE MUST BE RAMPED AND NOT TO EXCEED A SLOPE OF ½ (V:H).
13. ALL GRASSED AREAS AND OTHER PERMEABLE AREAS WITHIN THE PUBLIC RIGHT OF WAY SHALL BE GRADED SO THAT THEY ARE LOWER THAN THE ADJACENT PUBLIC STREET AND DRIVEWAY PAVEMENT. STREET SWALES HAVE A MINIMUM DEPTH OF SIX INCHES BELOW CROWN GRADE OF STREET.
14. CONTRACTOR TO ASSURE A MINIMUM HYDRAULIC CONDUCTIVITY VALUE OF $3.42X10^{-4}$ CFS/FT^2—FT AFTER DEMUCK AND FILL.
15. CONTRACTOR TO PROVIDE PERCOLATION TEST RESULT AFTER SITE BE FILLED.
16. ALL DRAINAGE STRUCTURES SHALL MET SBDD CRITERIA FOR WALL THICKNESS, SUMPS, AND CLEARANCES.
17. PORTIONS OF THE EXISTING DRAINAGE SYSTEM MAY NEED TO BE CLEANED UPON COMPLETION OF CONSTRUCTION. TO BE DETERMINED IN THE FIELD BY SBDD'S INSPECTOR.
18. THE PROPERTY OWNER SHALL BE REQUIRED TO ENTER INTO A MAINTENANCE AND INDEMNIFICATION AGREEMENT WITH SBDD PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.
19. REFER TO SHEET C4.00 – OVERALL PAVING GRADING AND DRAINAGE PLAN FOR STRUCTURE SIZE DETAILS.

ADA NOTES

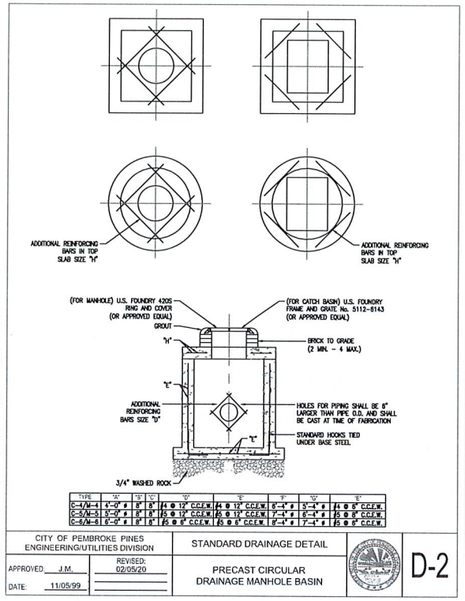
1. ALL WALKWAYS SHALL HAVE A SLOPE LESS THAN 2% PERPENDICULAR TO THE DIRECTION OF TRAVEL AND LESS THAN 5% IN THE DIRECTION OF TRAVEL.
2. ALL WALKWAYS NEAR BUILDING ENTRANCES SHALL HAVE A MAXIMUM SLOPE OF 2% IN ANY DIRECTION FOR A MINIMUM OF 60 INCHES, MEASURED PERPENDICULAR TO THE FACE OF THE DOOR.
3. CLEAR WIDTH OF ACCESSIBLE ROUTE MUST BE A MINIMUM OF 36 INCHES.
4. RUNNING SLOPE OF RAMPS AND CURB RAMPS CANNOT EXCEED 8.33% IF VERTICAL RISE IS LESS THAN 6 INCHES, HANDRAILS ARE NOT REQUIRED.
5. SLOPES AT INTERSECTIONS OF ACCESSIBLE ROUTES MUST NOT EXCEED 2% MEASURED IN ANY DIRECTION.
6. SLOPES OF CLEAR FLOOR SPACES AT FIXTURES AND CONTROLS MUST NOT EXCEED 2% MEASURED IN ANY DIRECTION. THE 30X48 INCH CLEAR FLOOR SPACE PROVIDED AT THE CONTROL MUST BE FLUSH WITH THE CONTROL.
7. GAPS OR OPENINGS ALONG THE ACCESSIBLE ROUTE MUST NOT EXCEED ½ INCH WIDTH, PERPENDICULAR TO THE PREDOMINATE FLOW OF PEDESTRIAN TRAFFIC.

SITE & PAVEMENT MARKINGS NOTES

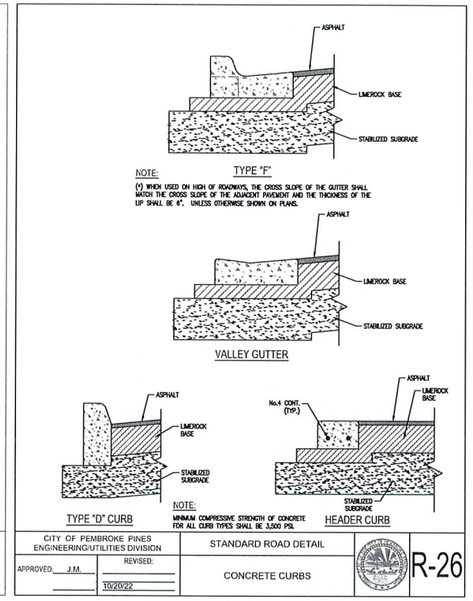
1. ALL PAVEMENT MARKINGS AND SIGNAGE SHALL CONFORM TO "BROWARD COUNTY TRAFFIC ENGINEERING DIVISION STANDARDS" (BCTED) AND THE "MANUAL ON UNIFORM CONTROL DEVICES" (MUTCD) STANDARDS.
2. ALL PAVEMENT MARKINGS SHALL BE 6" THERMOPLASTIC MATERIAL MEETING THE BCTED STANDARDS EXCEPT FOR THE PARKING SPACE MARKINGS WHICH MAY BE " REFLECTIVE PAINT MEETING THE BCTED STANDARDS.
3. ALL ACCESSIBLE PARKING SPACES, ACCESSIBLE PARKING ACCESS AISLES, SIDEWALK CURB RAMPS, RAMPS AND ACCESSIBLE ROUTES MUST BE ADA COMPLIANT PER FLORIDA BUILDING CODE, SIXTH EDITION,"ACCESSIBILITY".
4. PAVEMENT MARKINGS AND SIGNAGE FOR ALL ACCESSIBLE PARKING SPACES SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DESIGN STANDARDS INDEX. No's 17346 AND 17355.
5. ALL SIDEWALK CURB RAMPS 5' OUTSIDE AND BEYOND THE BUILDING ENVELOPE SHALL BE PER FDOT DESIGN STANDARDS INDEX No. 304

FIRE TRUCK AUTOTURN SIMULATION NOTES

1. FIRE TRUCK USED FOR SIMULATION IS SMEAL PLATFORM MM 100FT, WHICH IS A LARGER TRUCK THAN CITY OF PEMBROKE PINES STANDARD FIRE TRUCK WITH A SHORTER WHEELBASE, AS TO BE CONSERVATIVE.

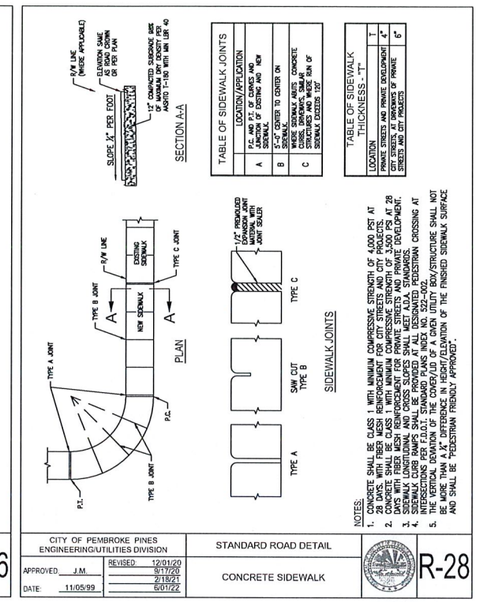


CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD DRAINAGE DETAIL	
APPROVED: J.M.	REVISED: 02/05/20	PRECAST CIRCULAR DRAINAGE MANHOLE BASIN	D-2
DATE: 11/05/99			



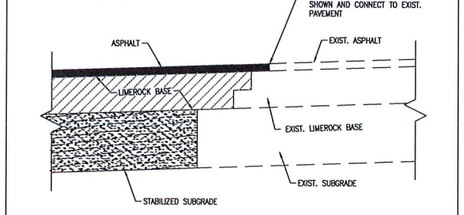
NOTE:
MINIMUM COMPRESSIVE STRENGTH OF CONCRETE FOR ALL CURB TYPES SHALL BE 3,500 PSI.

CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD ROAD DETAIL	
APPROVED: J.M.	REVISED: 10/20/22	CONCRETE CURBS	R-26
DATE: 11/05/99			

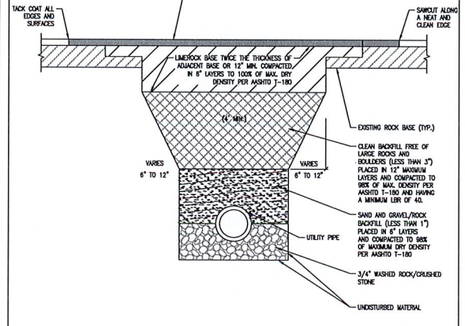


NOTES:
1. CONCRETE SHALL BE CLASS I WITH MINIMUM COMPRESSIVE STRENGTH OF 4,000 PST AT 28 DAYS, WITH FIBER MESH REINFORCEMENT FOR CITY STREETS AND CITY PROJECTS.
2. CONCRETE SHALL BE CLASS II WITH MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS WITH FIBER MESH REINFORCEMENT FOR PRIVATE STREETS AND PRIVATE DEVELOPMENT.
3. SIDEWALK LONGITUDINAL AND CROSS SLOPES SHALL MEET ADA STANDARDS.
4. SIDEWALK SHALL BE CONSTRUCTED ACROSS DRIVEWAYS AND PEDESTRIAN CROSSING AT INTERSECTIONS PER F.D.O.T. STANDARD PLANS INDEX NO. 522-002.
5. THE VERTICAL DEVIATION OF THE CURB/GUTTER OF A GRADE INLET BEHIND THE INLET SHALL NOT EXCEED ¼" FROM THE ELEVATION OF THE FINISHED SIDEWALK SURFACE AND SHALL BE "PEDESTRIAN FRIENDLY APPROVED".

CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD ROAD DETAIL	
APPROVED: J.M.	REVISED: 9/11/20, 2/18/21, 6/01/22	CONCRETE SIDEWALK	R-28
DATE: 11/05/99			

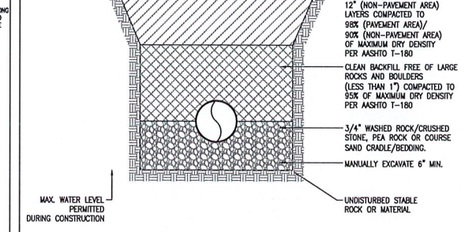


CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD ROAD DETAIL	
APPROVED: J.M.	REVISED: 10/18/18	PAVEMENT CONNECTION	R-39
DATE: 11/05/99			



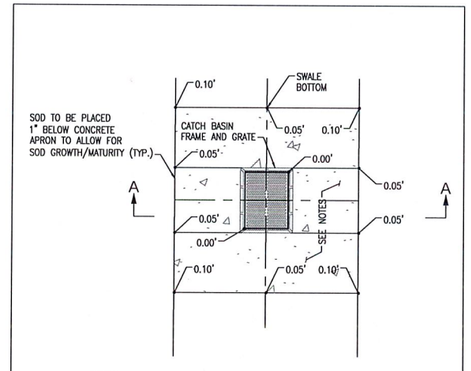
NOTES:
1. REFER TO CITY STANDARDS G-1 AND R-44 FOR ADDITIONAL INFORMATION ON TRENCH BACKFILL.

CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD ROAD DETAIL	
APPROVED: J.M.	REVISED: 6/16/20, 11/09/19	PAVEMENT RESTORATION FOR LOCAL ROADS AND PARKING LOTS	R-38
DATE: 11/05/99			



NOTES:
1. MAXIMUM COMPACTION DENSITY SHALL BE DETERMINED BY AASHTO T-180.
2. MAXIMUM WATER LEVEL IN TRENCH SHALL BE MAINTAINED AT BOTTOM OF "BEDDING MATERIAL" UNLESS SOIL AND WATER TABLE CONDITIONS DICTATE OTHERWISE, THEN AN ALTERNATE METHOD OF CONTROLLING THE WATER LEVEL IN THE TRENCH AND/OR AN ALTERNATE METHOD OF INSTALLATION IN "WET CONDITIONS" SHALL BE PROPOSED BY CONTRACTOR AND ENGINEER AND APPROVED BY THE CITY'S FIELD REPRESENTATIVE FOR FIELD USE.
3. WHERE SOIL CONDITIONS CANNOT BE MAINTAINED AS SHOWN ABOVE, PROVIDE APPROVED MEANS OF CONSTRUCTION.
4. WHERE REQUIRED SHEETING AND SHORING SHALL BE IN ACCORDANCE WITH THE LOCAL GOVERNMENTAL AGENCY.
5. MUCK OR OTHER UNSUITABLE MATERIAL SHALL BE COMPLETELY REMOVED.
6. WHEN THE PIPE IS LAID IN THE PREPARED TRENCH, TRUE TO LINE AND GRADE, THE PIPE BARREL SHALL RECEIVE CONTINUOUS UNIFORM SUPPORT. WHERE NECESSARY, COURSE SAND, PEA ROCK OR ¾" WASHED ROCK CRUSHED LIMESTONE SHALL BE USED TO PROVIDE UNIFORM BEDDING.
7. JOINTS MAY BE REQUIRED TO BE WRAPPED AT THE DISCRETION OF THE CITY BASED ON THE SITE CONDITIONS.

CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD ROAD DETAIL	
APPROVED: K.M.K.	REVISED: 01/14/21, 02/05/20	TYPICAL TRENCH BACKFILL	R-44
DATE: 10/30/19			



NOTES:
1. 6" THICK CLASS I PORTLAND CEMENT W/ FIBER MESH REINFORCEMENT OVER 12" SUBGRADE COMPACTED TO 98% MAX. DENSITY PER AASHTO T-180.
2. CONCRETE SHALL HAVE A MINIMUM 3,500 PSI COMPRESSIVE STRENGTH IN 28 DAYS.
3. CONCRETE SHALL BE CURED WITH A CLEAN SAND AND PLASTIC MEMBRANE OR OTHER APPROVED METHOD.
4. RECTANGULAR FRAME AND GRATE DEPICTED, BUT YARD DRAINAGE INLETS/CATCH BASINS MAY UTILIZE ROUND FRAME AND GRATE. (REFER TO PLAN FOR FRAME AND GRATE TYPE/CONFIGURATION).

CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD ROAD DETAIL	
APPROVED: K.M.K.	REVISED:	CONCRETE APRON DETAIL	R-49
DATE: 10/20/22			

Plotted By:Martinez Moises Sheet Set:MEMORIAL MANOR FSED Layout:C4.10 PAVING GRADING AND DRAINAGE DETAILS January 31, 2024 02:03:12pm K:\WPB_DevServices\144767019 – Memorial Manor FSED\CADD\PlanSheets\C4.10 PAVING GRADING AND DRAINAGE DETAILS.dwg
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REGISTRY No. 35106

Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

I, MICHAEL F. SCHWARTZ, A FLORIDA REGISTER PROFESSIONAL ENGINEER WHOSE FLORIDA PROFESSIONAL LICENSE NUMBER IS 56200 CERTIFY THAT I HAVE REVIEWED THE PLANS WHICH ACCOMPANY THIS CERTIFICATION AND THAT THE DESIGN OF THE PROJECT AS SHOWN ON THESE PLANS MEET OR EXCEED THE REQUIREMENTS OF THE SOUTH BROWARD DRAINAGE DISTRICT CRITERIA MANUAL ISSUED MAY 1997, REVISED MARCH 1999 AND FEBRUARY 2002.

MICHAEL F. SCHWARTZ LICENSE No. 56200 STATE OF FLORIDA PROFESSIONAL ENGINEER 2024

DIVISION	DESCRIPTION	DATE

NOTE: DETAILS ARE INCLUDED FROM THE ENTITIES LISTED ABOVE AND ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL OBTAIN AND CONFORM WITH THE LATEST STANDARDS AND DETAILS.

PLANS ARE IN NAVD88 DATUM CONVERSION EQUATION IS BELOW: (NGVD 1929) – 1.594' = (NAVD 1988)

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR DEWATERING AND OBTAINING ALL NECESSARY PERMITS.

CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
811 Know what's below. Call before you dig.
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CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
PAVING GRADING AND DRAINAGE DETAILS
SHEET NO.
C4.10

THE FOLLOWING GENERAL NOTES ARE REQUIRED BY THE SOUTH BROWARD DRAINAGE DISTRICT (SBDD). THEY ARE NOT MEANT TO BE ALL INCLUSIVE. IT IS THE ENGINEER'S RESPONSIBILITY TO ADD ANY NOTES WHICH WILL INFORM THE OWNER AND THE CONTRACTOR OF ANY ADDITIONAL REQUIREMENTS OF SBDD.

1 THE CONTRACTOR SHALL CONTACT SBDD 48 HOURS OR TWO (2) WORKING DAYS PRIOR TO ANY REQUIRED INSPECTION. TO SCHEDULE INSPECTIONS, PLEASE CALL SBDD AT (954)680-3337. SBDD'S WORKING HOURS ARE FROM 8:00 AM TO 4:30 PM. MONDAY THROUGH FRIDAY EXCEPT HOLIDAYS.

2 ANY REVISIONS TO PLANS PERMITTED BY SBDD MUST BE APPROVED BY THE DISTRICT ENGINEER PRIOR TO CONSTRUCTION.

3 A PRECONSTRUCTION MEETING SHALL BE SCHEDULED AND HELD AT LEAST FIVE (5) DAYS PRIOR TO BEGINNING CONSTRUCTION.

4 A SET OF SHOP DRAWINGS SHALL BE SUBMITTED TO SBDD AFTER APPROVAL BY THE ENGINEER OF RECORD, PRIOR TO BEGINNING CONSTRUCTION

5 DURING CONSTRUCTION, SBDD PERSONNEL WILL INSPECT THE FOLLOWING:
.. INSTALLATION OF ALL UNDERGROUND DRAINAGE FACILITIES BEFORE BACKFILLING,
.. BACKFILLING OF DRAINAGE TRENCHES,
.. SHAPING OF CANAL AND LAKE BANKS FROM THE DEEP CUT TO THE UPLAND EASEMENT LINE OR AS REQUIRED BY SBDD,
AND ANY OTHER DRAINAGE RELATED CONSTRUCTION WORK.
RE-INSPECTIONS AND EXTRAORDINARY INSPECTIONS WILL BE SUBJECT TO ADDITIONAL FEE CHARGES BY SBDD.

6 THE CONTRACTOR CONSTRUCTING OR EXCAVATING LAKES OR OTHER WATER BODIES SHALL EXCERCISE EXTREME CAUTION TO ENSURE THAT THE SIDE SLOPES AND DEEP CUT LINES ARE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS FOR THE DEVELOPMENT. THE CONTRACTOR OR OWNER SHALL PERIODICALLY, OR AS REQUIRED BY SBDD, OBTAIN A SURVEY, FROM A FLORIDA REGISTERED SURVEYOR OF THE LOCATION OF THE DEEP CUT LINES PRIOR TO FORMING THE SIDE SLOPES. THIS SURVEY SHALL BE PERFORMED PRIOR TO THE OWNER/CONTRACTOR BEGINNING CONSTRUCTION OF ANY BUILDING PADS ADJACENT TO THE WATER BODY. IN THE EVENT THAT THE CONTRACTOR OVER DIGS THE WATER BODY, THE OWNER/CONTRACTOR SHALL SUBMIT TO SBDD ITS SOLUTION TO CORRECT THE OVER DIGGING. ANY SUGGESTED REMEDY OR CORRECTION MUST BE APPROVED BY SBDD BEFORE THE CONTRACTOR BEGINS THE PROPOSED CORRECTION/REMEDY.

7 PAVING AND DRAINAGE "AS-BUILT" PLANS CERTIFIED BY THE ENGINEER OF RECORD AND APPROVED BY THE DISTRICT'S ENGINEER SHALL BE REQUIRED BEFORE THE RELEASE OF THE BOND OR LETTER OF CREDIT. AS-BUILTS SHALL BE PROVIDED AS AN OVERLAY OF THE APPROVED CONSTRUCTION DRAWINGS AND AT THE SAME SCALE AS ORIGINALLY SUBMITTED. AS-BUILT SUBMITTALS SHALL CONFORM TO THE REQUIREMENTS OF SBDD'S CRITERIA MANUAL. AS-BUILTS MUST ALSO BE PROVIDED IN ELECTRONIC FORMAT.

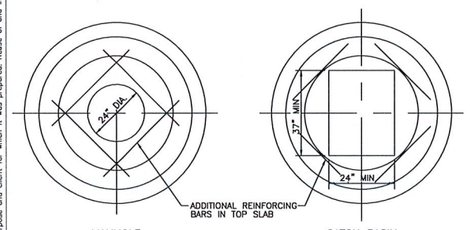
8 AS-BUILT DRAWINGS OF WATER BODIES SHALL INCLUDE THE DATA REQUIRED UNDER EXHIBIT 39 OF SBDD'S CRITERIA MANUAL. THE AS-BUILT CROSS SECTIONS SHALL BE PROVIDED AT NOT MORE THAN 100 FOOT INTERVALS AND AT ALL OUTFALL PIPES CONSTRUCTED WITHOUT HEADWALLS.

9 SBDD WILL NOT COMPLETE THE FINAL INSPECTION UNTIL RECEIPT OF THE AS-BUILT PACKAGE WHICH MUST INCLUDE THE ENGINEER'S CERTIFICATION AND TEST RESULTS FOR STABILIZATION OF LAKE/CANAL MAINTENANCE EASEMENTS, ARE RECEIVED.

SOUTH BROWARD DRAINGE DISTRICT
DESIGN CRITERIA MANUAL
GENERAL NOTES

SEAL

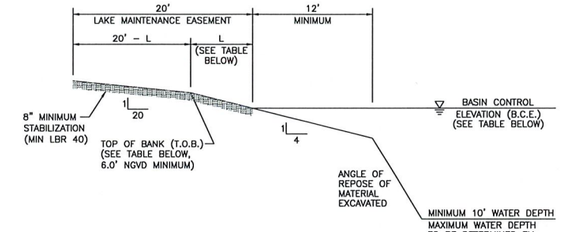
EXHIBIT 17



SOUTH BROWARD DRAINGE DISTRICT
DESIGN CRITERIA MANUAL
PRECAST DRAINAGE
STRUCTURE DETAIL

SEAL

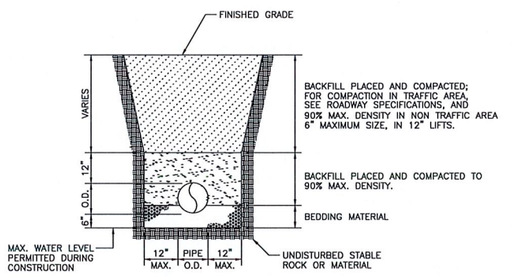
EXHIBIT 23



BASIN No.	B.C.E. (FT-NGVD)	T.O.B. (FT-NGVD)	L (FT)	BASIN No.	B.C.E. (FT-NGVD)	T.O.B. (FT-NGVD)	L (FT)
S-1	2.50	6.50	16.00	S-8	3.50	6.00	10.00
S-2 & S-7	2.70	6.00	13.20		4.00	6.50	10.00
S-3	3.00	6.50	14.00	S-9 & S-10	3.50	6.50	12.00
S-4	3.50	6.00	10.00		4.00	6.50	10.00
S-5	4.00	6.00	8.00	S-12	3.00	6.50	14.00
	4.25	6.50	9.00	S-13	3.00	6.50	14.00
	4.50	6.50	8.00				

* EXISTING LAKE BANKS AND SLOPES SHALL BE CLEARED AND REGRADED AS PER SBDD CRITERIA ALONG THE ENTIRE LIMITS OF ALL DEVELOPMENT AND REDEVELOPMENT PROJECTS.

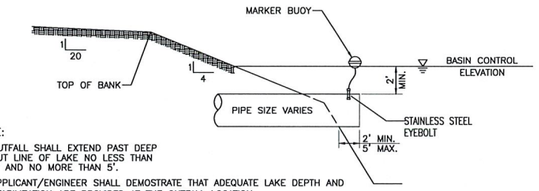
EXHIBIT 18 | SEAL | SOUTH BROWARD DRAINGE DISTRICT DESIGN CRITERIA MANUAL | EXHIBIT TITLE: TYPICAL LAKE CROSS SECTION AND LAKE MAINTENANCE EASEMENT



NOTES:

1. WHERE SOIL CONDITION CANNOT BE MAINTAINED AS SHOWN ABOVE, PROVIDE APPROVED MEANS OF CONSTRUCTION.
2. WHERE REQUIRED SHEETING AND SHORING SHALL BE IN ACCORDANCE WITH THE LOCAL GOVERNMENTAL AGENCY.
3. MUCK OR OTHER UNSUITABLE MATERIAL SHALL BE COMPLETELY REMOVED.
4. WHEN THE PIPE IS LAID IN THE PREPARED TRENCH, TRUE TO LINE AND GRADE, THE PIPE BARREL SHALL RECEIVE CONTINUOUS UNIFORM SUPPORT. WHERE NECESSARY, COURSE SAND, PEA ROCK OR 3/4" LIMESTONE GRAVEL SHALL BE USED TO PROVIDE UNIFORM BEDDING.
5. ALL PIPE JOINTS ARE REQUIRED TO BE WRAPPED WITH MIRAFI FILTER FABRIC.
6. BACKFILL MATERIAL SHALL BE NON-COHESIVE AND NON-PLASTIC SOIL THAT IS FREE OF ALL DEBRIS, LUMPS, WOOD BROKEN PAVING OR ANY ORGANIC OR UNSUITABLE MATERIAL. BACKFILL MATERIAL PLACED WITHIN 12" OF THE PIPE SHALL CONTAIN NO ROCKS OR STONES LARGER THAN 3-1/2" INCHES IN DIAMETER. NO ROCKS OR STONES LARGER THAN 6" IN DIAMETER WILL BE PERMITTED IN THE REMAINING BACKFILL UNLESS OTHERWISE SPECIFIED.
7. TRENCH BACKFILL SHALL BE COMPACTED TO NOT LESS THAN 90 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED BY AASHTO T-180. BACKFILL AND COMPACTION SHALL BE IN ACCORDANCE TO THE STANDARD ENGINEERING DESIGN REQUIRED BY THE LOCAL GOVERNMENTAL AGENCY.

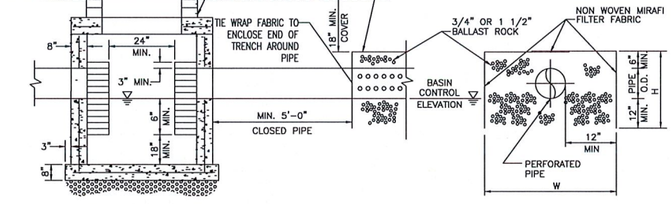
EXHIBIT 24 | SEAL | SOUTH BROWARD DRAINGE DISTRICT DESIGN CRITERIA MANUAL | EXHIBIT TITLE: TYPICAL PIPE TRENCH AND BEDDING DETAIL



NOTE:

1. OUTFALL SHALL EXTEND PAST DEEP CUT LINE OF LAKE NO LESS THAN 2' AND NO MORE THAN 5'.
2. APPLICANT/ENGINEER SHALL DEMOSTRATE THAT ADEQUATE LAKE DEPTH AND STABILIZATION ARE PROVIDED AT THE OUTFALL LOCATION.
3. SBDD MAY REQUIRE ADDITIONAL LAKE BANK STABILIZATION AT THESE LOCATIONS. (ABOVE AND BELOW WATER)
4. IF DISSIMILAR PIPE MATERIAL ARE TO BE USED REFER TO EXHIBIT 29.
5. OUTFALL PIPE SHALL HAVE A STAINLESS STEEL EYEBOLT AND MARKER BUOY.

EXHIBIT 22 | SEAL | SOUTH BROWARD DRAINGE DISTRICT DESIGN CRITERIA MANUAL | EXHIBIT TITLE: LAKE OUTFALL DETAIL WITHOUT HEADWALL



NOTES:

1. SIDES AND TOP OF TRENCH ONLY TO BE LINED WITH FILTER FABRIC. OVERLAP LINER A MINIMUM OF 2' AT THE TOP OF THE TRENCH.
2. BALLAST ROCK SHALL BE FROM FRESH WATER, WASHED AND FREE OF DELETERIOUS MATTER.
3. ALL EXFILTRATION TRENCHES SHALL HAVE A POLLUTION RETARDANT BAFFLE AT EACH CONNECTION POINT TO A STRUCTURE. (SEE POLLUTION RETARDANT BAFFLE DETAIL, EXHIBIT 28)
4. GASKETS SHALL BE USED WITH RCP IN EXFILTRATION TRENCH.

EXHIBIT 27 | SEAL | SOUTH BROWARD DRAINGE DISTRICT DESIGN CRITERIA MANUAL | EXHIBIT TITLE: EXFILTRATION TRENCH DETAIL

NOTES:

1. DRAINAGE INLETS INCLUDING YARD DRAINS SHALL REQUIRE A 12" CONCRETE APRON.

I, MICHAEL F. SCHWARTZ, A FLORIDA REGISTER PROFESSIONAL ENGINEER WHOSE FLORIDA PROFESSIONAL LICENSE NUMBER IS 56200 CERTIFY THAT I HAVE REVIEWED THE PLANS WHICH ACCOMPANY THIS CERTIFICATION AND THAT THE DESIGN OF THE PROJECT AS SHOWN ON THESE PLANS MEET OR EXCEED THE REQUIREMENTS OF THE SOUTH BROWARD DRAINAGE DISTRICT CRITERIA MANUAL ISSUED MAY 1997, REVISED MARCH 1999 AND FEBRUARY 2002.

NOTE: DETAILS ARE INCLUDED FROM THE ENTITIES LISTED ABOVE AND ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL OBTAIN AND CONFORM WITH THE LATEST STANDARDS AND DETAILS.

PLANS ARE IN NAVD88 DATUM
CONVERSION EQUATION IS BELOW:
(NGVD 1929) - 1.594' = (NAVD 1988)

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR DEWATERING AND OBTAINING ALL NECESSARY PERMITS.

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CORAL GABLES, FL. 33134

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ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
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NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3309 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082

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1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410
REGISTRY No. 35105

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

MICHAEL F. SCHWARTZ LICENSE No. 56200 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISION NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
PAVING GRADING AND DRAINAGE NOTES DETAILS
SHEET NO.
C4.11

Plotted By:Martinez, Moises Sheet Set:MEMORIAL MANOR FSED Layout:C4.11 PAVING GRADING AND DRAINAGE NOTES DETAILS January 31, 2024 02:03:14pm K:\WPB_DevServices\14476\019 - Memorial Manor FSED\CADD\PlanSheets\C4.10 PAVING GRADING AND DRAINAGE DETAILS.dwg
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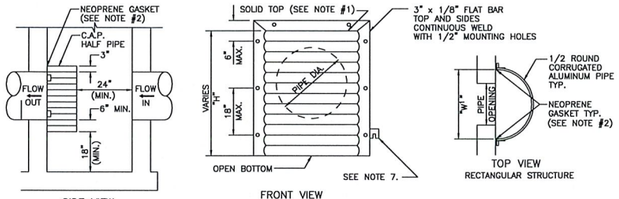


PIPE DIA.	W^1 (IN)	W^2 (IN)	T (GAUGE)	H (IN)
15"	21"	21"	16	VARIES
18"	24"	24"	16	VARIES
21"	30"	30"	16	VARIES
24"	30"	36"	16	VARIES
30"	36"	42"	14	VARIES
36"	42"	48"	14	VARIES
42"	48"	54"	14	VARIES
48"	54"	60"	14	VARIES
54"	60"	66"	14	VARIES

RECTANGULAR STRUCTURE
ROUND STRUCTURE

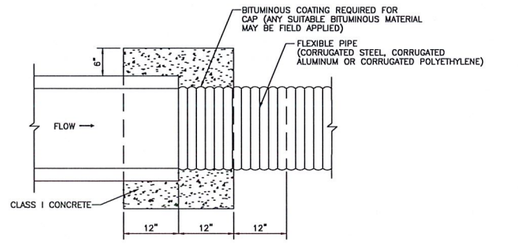
NOTES:

1. ALUMINUM SHEET OF SAME THICKNESS (GAUGE) AS PIPE SHALL BE WELDED TO CLOSE OPENING AT THE TOP.
2. NEOPRENE ADHESIVE BACKED GASKET, OR APPROVED EQUAL (1" x 3") SHALL BE INSTALLED ON THE SIDES AND TOP OF ALL BAFFLES.
3. POLLUTION RETARDANT BAFFLE TO BE FASTENED IN PLACE WITH 3/8"x4" STAINLESS STEEL "RED HEADS", OR APPROVED EQUAL.
4. ALL EXFILTRATION TRENCHES SHALL HAVE A POLLUTION RETARDANT BAFFLE AT EACH CONNECTION POINT TO A STRUCTURE (SEE EXFILTRATION TRENCH DETAIL). THE BOTTOM OF THE BAFFLE SHALL BE A MIN. OF 12" BELOW C.W.E.
5. FIBERGLASS BAFFLES ARE NOT PERMITTED.
6. MOUNTING BRACKETS MAY BE ADDED TO FLAT BARS TO EASE INSTALLATION IN ROUND STRUCTURES. SPACING TO MATCH HOLES IN FLAT BARS.
7. FOR POLLUTION RETARDANT BASINS THE BOTTOM ELEVATION OF THE BAFFLE MUST BE A MINIMUM OF 2' BELOW THE CONTROL WATER ELEVATION.

EXHIBIT 28 — SEAL

SOUTH BROWARD DRAINGE DISTRICT
DESIGN CRITERIA MANUAL

EXHIBIT TITLE: POLLUTION RETARDANT BAFFLE DETAIL



NOTES:

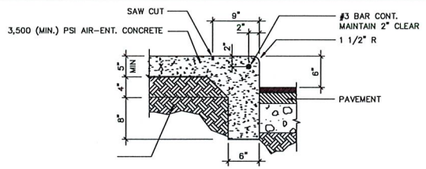
1. A CONCRETE JACKET SHALL NOT BE USED TO JOIN:
   a) METAL PIPE OF DISSIMILAR MATERIALS.
   b) FLEXIBLE PIPE WHEN THE MAXIMUM COVER REQUIRED IN ACCORDANCE WITH F.D.O.T. INDEX No. 205 CANNOT BE OBTAINED.
2. OPTIONAL FOR LAKE OR CANAL OUTFALL.
3. WHEN USED FOR LAKE OUTFALL, JACKET SHALL BE CENTERED 8' LANDWARD OF THE BASIN CONTROL ELEVATION.

(PER FDOT INDEX 280)

EXHIBIT 29 — SEAL

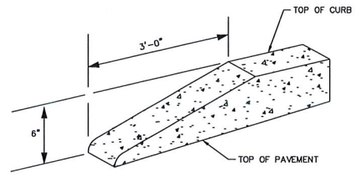
SOUTH BROWARD DRAINGE DISTRICT
DESIGN CRITERIA MANUAL

EXHIBIT TITLE: CONCRETE JACKET DETAIL



INTEGRAL CURB AND WALK
NOT TO SCALE

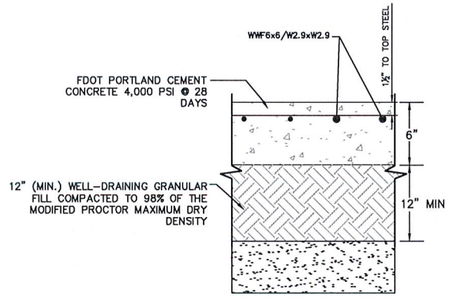
KHA



ALL CURBS TO HAVE STANDARD 3" TRANSITION FROM 6" HEIGHT TO FLUSH (0" HEIGHT). A STANDARD TEMPLATE SHALL BE USED AT ALL LOCATIONS TO PROVIDE UNIFORM CURB TRANSITIONS THROUGHOUT THE PROJECT.

STANDARD CURB TRANSITIONS
NOT TO SCALE

KHA

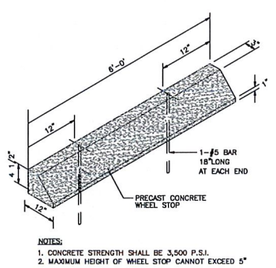


NOTE:

1. CONTRACTOR TO REVIEW GEOTECHNICAL REPORT FOR DESIGN CONSIDERATIONS
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR JOINTING PLANS FOR ALL CONCRETE PAVEMENT SECTIONS.
3. CONTROL JOINTS SHALL BE SPACED AT A MAXIMUM OF 15' O.C. IN ALL DIRECTIONS. SEE DETAIL THIS SHEET.
4. CONSTRUCTION JOINTS SHALL BE PLACES AT 60'-0" O.C. MANDATORY AND AS REQUIRED BY CONTRACTOR FOR POUR STOPS. SEE DETAIL THIS SHEET.
5. ALL JOINTS SHALL MAINTAIN AN ASPECT RATIO NEAR 1:1.

HEAVY DUTY CONCRETE PAVEMENT SECTION
NOT TO SCALE

KHA



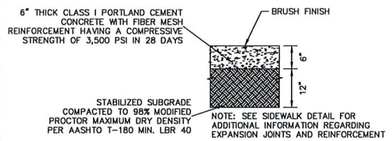
NOTES:
1. CONCRETE STRENGTH SHALL BE 3,500 P.S.I.
2. MAXIMUM HEIGHT OF WHEEL STOP CANNOT EXCEED 5"

WHEEL STOP DETAIL

KHA

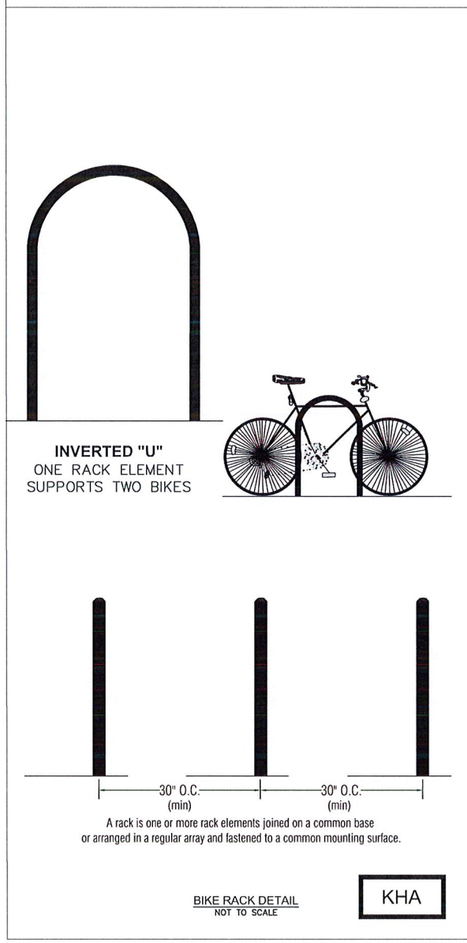
KIMLEY-HORN AND ASSOCIATES, INC. DETAIL

KHA



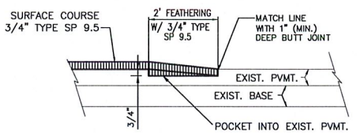
STANDARD DUTY CONCRETE SECTION
NOT TO SCALE

KHA



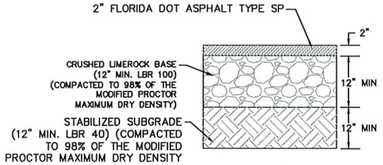
BIKE RACK DETAIL
NOT TO SCALE

KHA



ASPHALT TRANSITION DETAIL AT BEGINNING OR ENDING OF ASPHALT LIFT OR NEW CONSTRUCTION

KHA



HEAVY DUTY ASPHALTIC CONCRETE PAVEMENT SECTION
NOT TO SCALE

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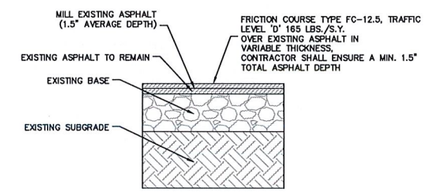
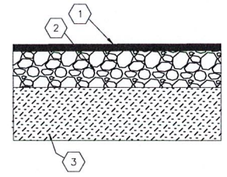


MILL AND RESURFACE EXISTING ASPHALT CONCRETE
NOT TO SCALE

KHA



PAVING LEGEND

1. 2" ASPHALT SURFACE TYPE SP-9.5 OR APPROVED EQUAL, PLACED IN TWO 1"LIFTS WITH 2ND LIFT PLACED ONLY AFTER THE COMPLETION OF ALL LANDSCAPING AND IRRIGATION AND OTHER UNDERGROUND PUBLIC UTILITY SERVICE/LINE INSTALLATIONS
2. 8" LIMEROCK BASE HAVING A MIN. CALCIUM CARBONITE CONTENT OF 70% & MIN. LBR OF 100 COMPACTED TO 98% OF MAXIMUM DRY DENSITY PER AASHTO T-180
3. 12" THICK SUBGRADE COMPACTED AND STABILIZED WITH MINIMUM DESIGN LBR OF 40 COMPACTED TO AT LEAST 98% OF MAXIMUM DRY DENSITY (AASHTO T-180)

STANDARD DUTY ASPHALT CROSS-SECTION
NOT TO SCALE

KHA

I, MICHAEL F. SCHWARTZ, A FLORIDA REGISTER PROFESSIONAL ENGINEER WHOSE FLORIDA PROFESSIONAL LICENSE NUMBER IS 56200 CERTIFY THAT I HAVE REVIEWED THE PLANS WHICH ACCOMPANY THIS CERTIFICATION AND THAT THE DESIGN OF THE PROJECT AS SHOWN ON THESE PLANS MEET OR EXCEED THE REQUIREMENTS OF THE SOUTH BROWARD DRAINAGE DISTRICT CRITERIA MANUAL ISSUED MAY 1997, REVISED MARCH 1999 AND FEBRUARY 2002.

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WEST PALM BEACH, FL 33411-2410
REGISTRY No. 35105

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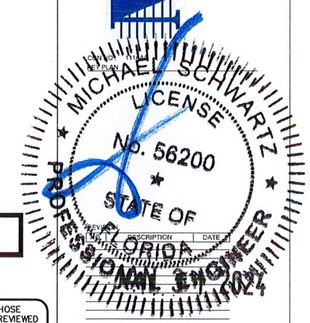

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
PAVING GRADING AND DRAINAGE NOTES AND DETAILS
SHEET NO.
C4.12

Plotted By: Martinez, Moises Sheet Set: MEMORIAL MANOR FSED Layout: C4.12 PAVING GRADING AND DRAINAGE NOTES AND DETAILS January 31, 2024 02:03:19pm K:\WPB_DevServices\144767019 - Memorial Manor FSED\CADD\PlanSheets\C4.10 PAVING GRADING AND DRAINAGE DETAILS.dwg
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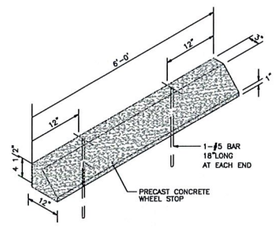
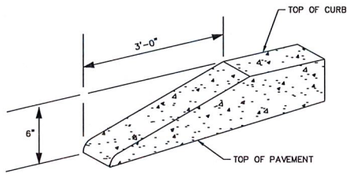


NOTES:
1. CONCRETE STRENGTH SHALL BE 3,500 P.S.I.
2. MAXIMUM HEIGHT OF WHEEL STOP CANNOT EXCEED 5"

WHEEL STOP DETAIL

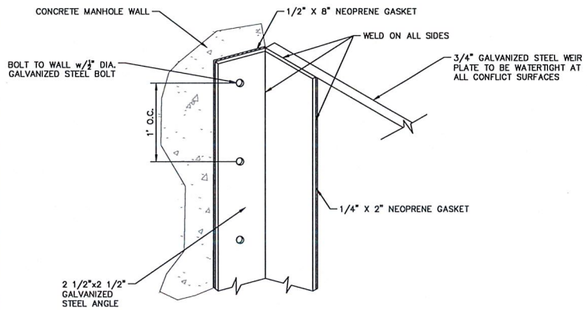
KHA



ALL CURBS TO HAVE STANDARD 3' TRANSITION FROM 6" HEIGHT TO FLUSH (0" HEIGHT). A STANDARD TEMPLATE SHALL BE USED AT ALL LOCATIONS TO PROVIDE UNIFORM CURB TRANSITIONS THROUGHOUT THE PROJECT.

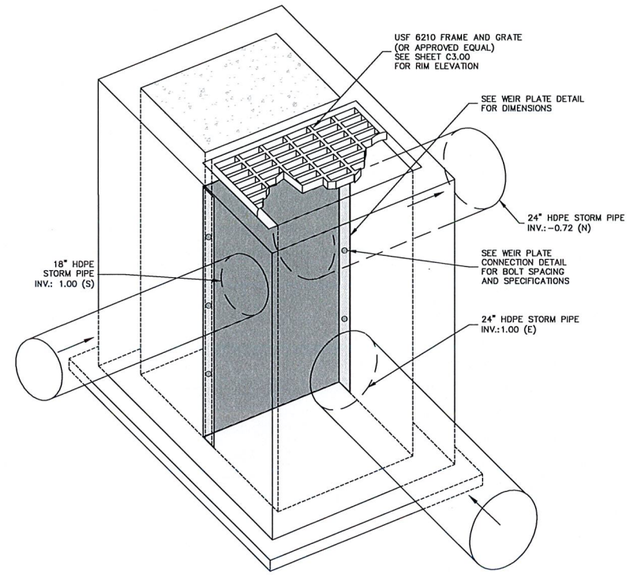
STANDARD CURB TRANSITIONS
NOT TO SCALE

KHA



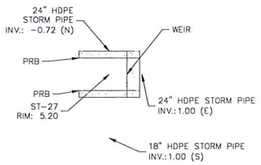
WEIR PLATE CONNECTION
NOT TO SCALE

KHA

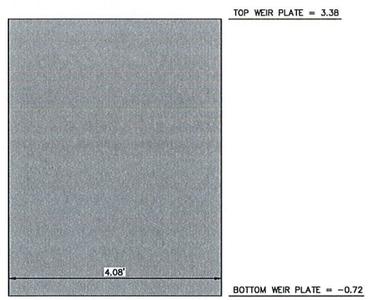


CONTROL STRUCTURE DETAIL (ST-27)
NOT TO SCALE

KHA



CONTROL STRUCTURE PLAN (ST-27)
NOT TO SCALE



WEIR PLATE
NOT TO SCALE

KHA

I, MICHAEL F. SCHWARTZ, A FLORIDA REGISTER PROFESSIONAL ENGINEER WHOSE FLORIDA PROFESSIONAL LICENSE NUMBER IS 56200 CERTIFY THAT I HAVE REVIEWED THE PLANS WHICH ACCOMPANY THIS CERTIFICATION AND THAT THE DESIGN OF THE PROJECT AS SHOWN ON THESE PLANS MEET OR EXCEED THE REQUIREMENTS OF THE SOUTH BROWARD DRAINAGE DISTRICT CRITERIA MANUAL ISSUED MAY 1997, REVISED MARCH 1999 AND FEBRUARY 2002.

NOTE: DETAILS ARE INCLUDED FROM THE ENTITIES LISTED ABOVE AND ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL OBTAIN AND CONFORM WITH THE LATEST STANDARDS AND DETAILS.

KIMLEY-HORN AND ASSOCIATES, INC. DETAIL

KHA

PLANS ARE IN NAVD88 DATUM CONVERSION EQUATION IS BELOW: (NGVD 1929) - 1.594' = (NAVD 1988)

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KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 209
WEST PALM BEACH, FL 33411-2410
REGISTRY No. 35106

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

MICHAEL SCHWARTZ LICENSE No. 56200 STATE OF FLORIDA PROFESSIONAL ENGINEER

NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
PAVING GRADING AND DRAINAGE DETAILS
SHEET NO.
C4.13

Plotted By:Martinez, Moises Sheet Set:MEMORIAL MANOR FSED Layout:C4.13 PAVING GRADING AND DRAINAGE DETAILS January 31, 2024 02:03:22pm K:\WPB_DevServices\144767019 - Memorial Manor FSED\CADD\PlanSheets\C4.10 PAVING GRADING AND DRAINAGE DETAILS.dwg
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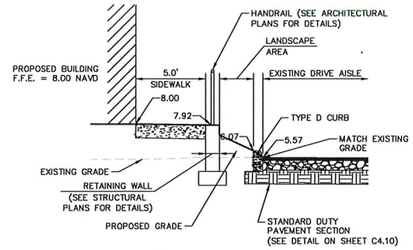
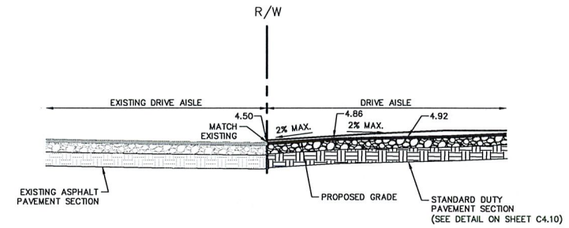
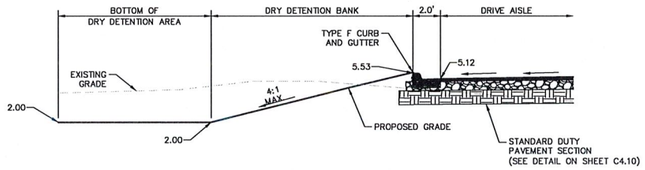


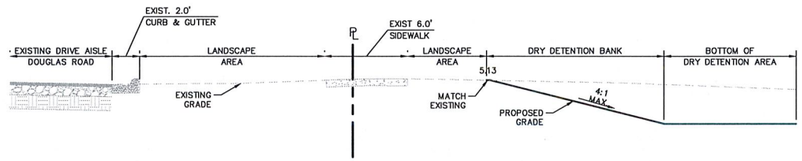
SECTION A-A
SCALE: 1" = 5'



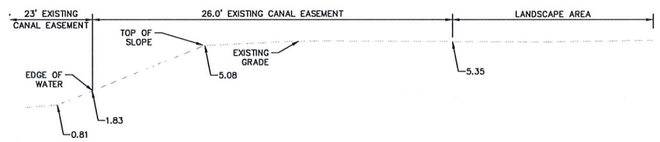
SECTION B-B
SCALE: 1" = 5'



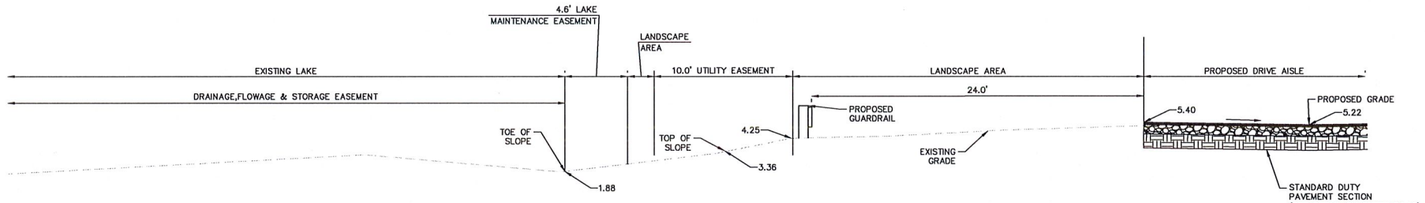
SECTION C-C
SCALE: 1" = 5'



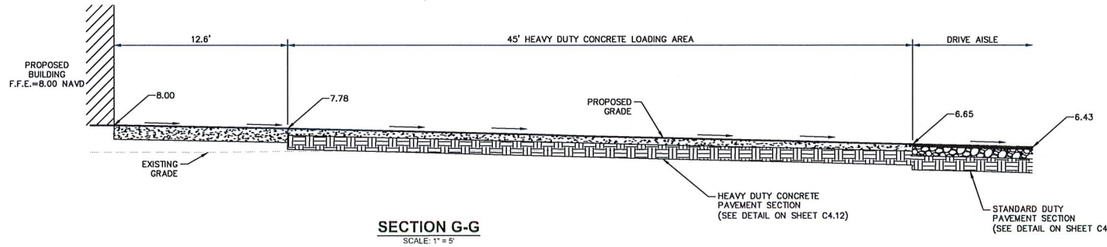
SECTION D-D
SCALE: 1" = 5'



SECTION E-E
SCALE: 1" = 5'



SECTION F-F
SCALE: 1" = 5'



SECTION G-G
SCALE: 1" = 5'

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REGISTRY No: 35106

Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

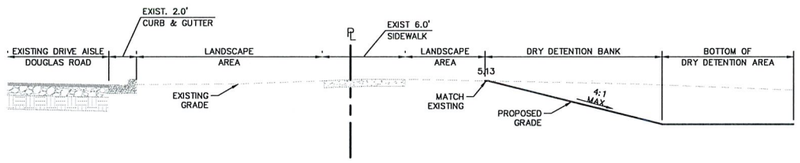
CON NO: 111AAA
KEY PLAN

MICHAEL SCHWARTZ
LICENSE
No. 56200
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISION	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
CROSS SECTIONS

SHEET NO.
C4.20



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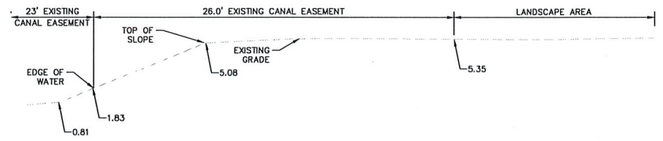

SECTION E-E
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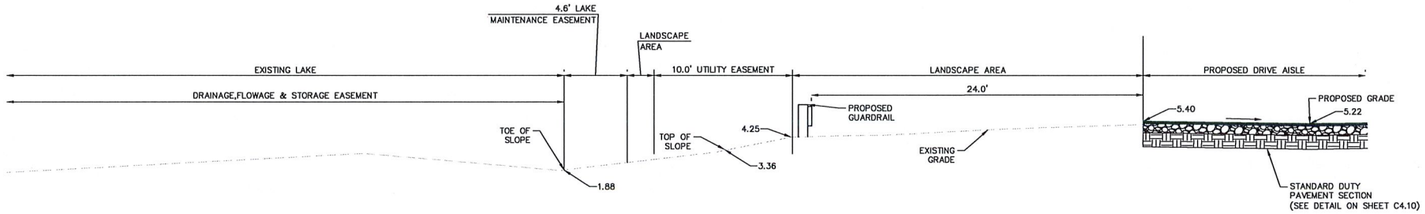

SECTION F-F
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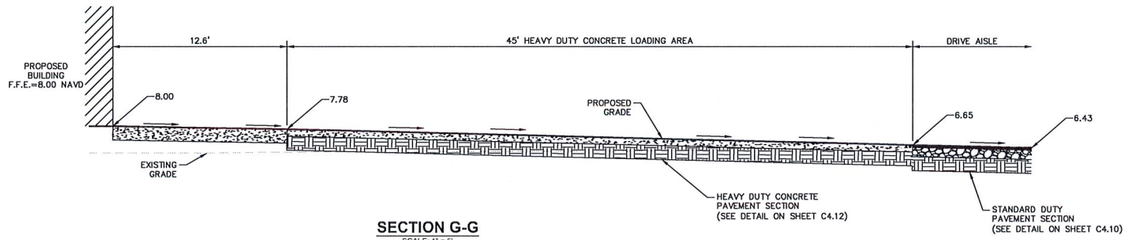

SECTION G-G
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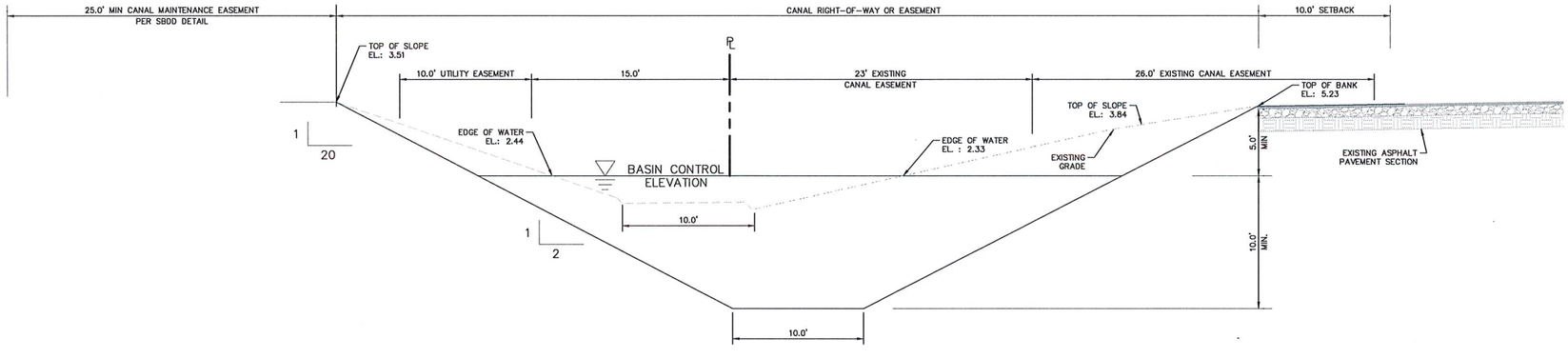

SECTION H-H
SCALE: 1" = 5'

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REGISTRY No. 35106

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

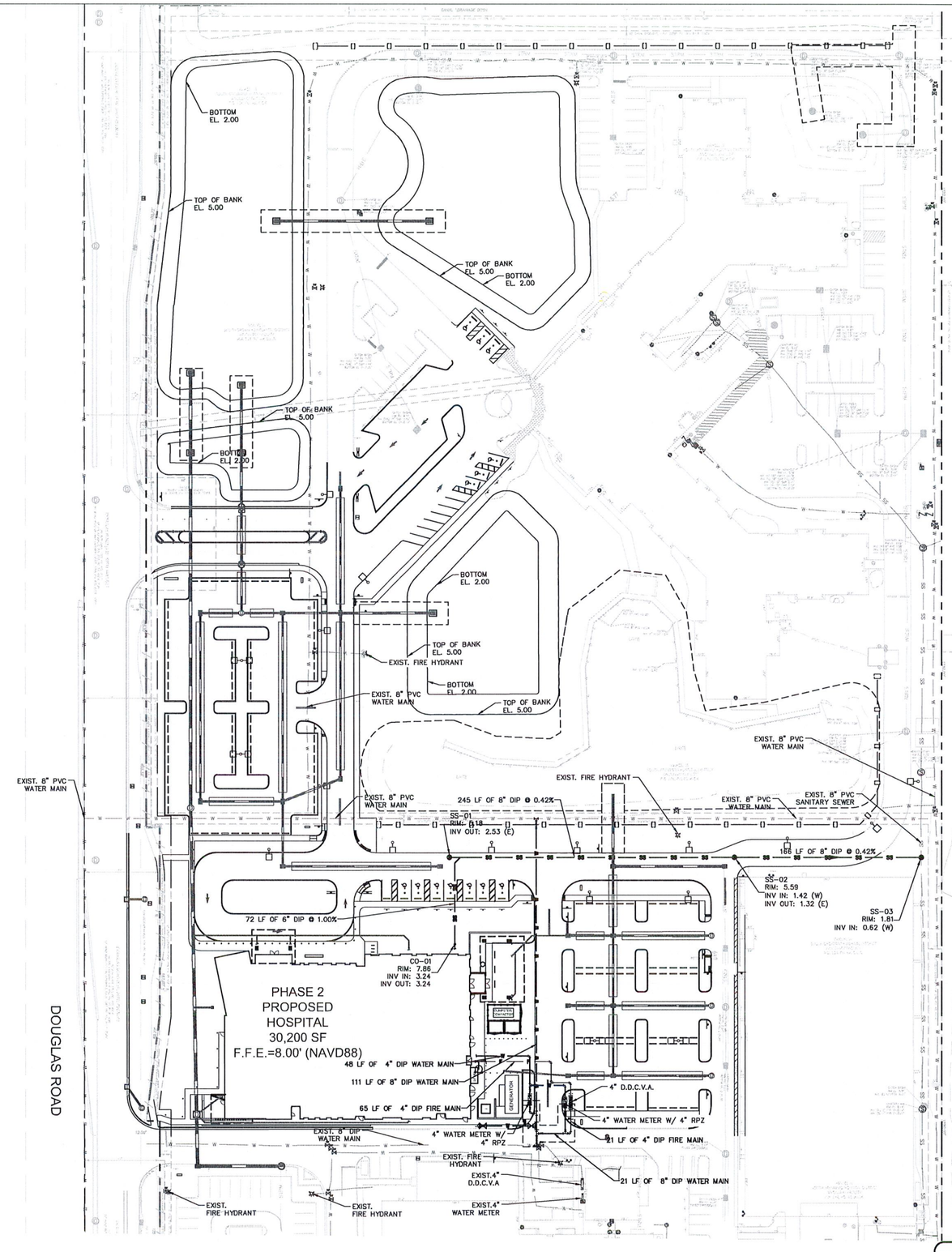
CON NO.: 111AA
KEY PLAN

NO.	DESCRIPTION	DATE

MICHAEL SCHWARTZ LICENSE No. 56200 STATE OF FLORIDA PROFESSIONAL ENGINEER 01/24/2024

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
CROSS SECTIONS

SHEET NO.
C4.21



NORTH

GRAPHIC SCALE IN FEET
0 25 50 100

LEGEND

- PROPERTY LINE
- EXISTING WATER PIPE
- EXISTING SEWER PIPE
- EXISTING STORM PIPE
- PROPOSED WATER PIPE
- PROPOSED FIRE LINE
- PROPOSED SEWER PIPE
- PROPOSED STORM PIPE

UTILITY NOTES:

1. REVIEW AND APPROVAL BY THE AHJ SHALL NOT RELIEVE THE APPLICANT OF THE RESPONSIBILITY OF COMPLIANCE WITH THIS CODE PER NFPA 1:1.14.4
2. WHEN REQUIRED BY THE AHJ, ROADS(S) OR PARKING LOTS PROVIDING ACCESS TO MAIN ENTRANCE DOOR(S) SHALL BE CONSIDERED ACCESS ROADS AND SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 1-18.2.3.4.1.1 AND NFPA 1-18.2.3.4.1.2
3. MULTIPLE ACCESS ROADS. MORE THAN ONE FIRE DEPARTMENT ACCESS ROAD SHALL BE PROVIDED WHEN IT IS DETERMINED BY AHJ THAT ACCESS BY A SINGLE ROAD COULD BE IMPAIRED BY VEHICLE CONGESTION, CONDITION OF TERRAIN, CLIMATIC CONDITIONS, OR OTHER FACTORS THAT COULD LIMIT ACCESS.
4. FIRE CODES IN EFFECT: FLORIDA FIRE PREVENTION CODE (FFPC) 7TH EDITION, EFFECTIVE DECEMBER 31, 2020 WITH BROWARD COUNT AMENDMENTS, WHICH INCLUDES NFPA 101, 2018 EDITION, NFPA 1, 2018 EDITION, & STATE STATUES, 2017 EDITION (ADOPTED REFERENCED PUBLICATIONS FOUND HEREIN.)
5. A FLORIDA CERTIFIED SPRINKLER CONTRACTOR SHALL PULL PERMITS AND BEGIN WORK FROM THE POINT OF SERVICE. FAC 69A-46.040 (2)
6. THE FULL FLOW TEST OF THE BACKFLOW PREVENTION VALVE CAN BE PERFORMED WITH A TEST HEADER OR OTHER CONNECTION DOWNSTREAM OF THE VALVE. A BYPASS AROUND THE CHECK VALVE IN THE FIRE DEPARTMENT CONNECTOR LINE WITH A CONTROL VALVE IN THE NORMALLY CLOSED POSITION CAN BE AN ACCEPTABLE ARRANGEMENT. WHEN FLOW TO A VISIBLE DRAIN CANNOT NOT BE ACCOMPLISHED, CLOSED LOOP FLOW CAN BE ACCEPTABLE IF A FLOWMETER OR SITE GLASS IS INCORPORATED INTO THE SYSTEM TO ENSURE FLOW. A.8.17.4.6.1
7. PRIOR TO REPLACING THE EXISTING SANITARY SEWER MANHOLE WITH PROPOSED MANHOLE SS-03 THE CONTRACTOR SHALL PROVIDE A SEWER BYPASS PLAN TO BE REVIEWED AND APPROVED BY THE CITY OF PEMBROKE PINES.
8. DIP SEWER MAIN MUST BE LINED WITH PROTECTO 401 CERAMIC EPOXY LINING AND MUST BE BACKFILLED WITH SELECT COARSE SAND FROM THE "SPRING LINE" OF THE PIPE TO A POINT A MINIMUM OF 6" ABOVE THE TOP OF PIPE OR TO THE BOTTOM OF THE LIMEROCK BASE WHICHEVER IS THE GREATER AND A MINIMUM OF 18" ON EACH SIDE OF THE SEWER MAIN.

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HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

CON NO.: 111AAA
KEY PLAN

MICHAEL SCHWARTZ LICENSE No. 56200 STATE OF FLORIDA PROFESSIONAL ENGINEER 2024

REVISION SCHEDULE

NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
OVERALL UTILITY PLAN
SHEET NO.
C5.00

Plotted By:Martinez, Moises Sheet Set:MEMORIAL MANOR FSED Layout:C5.00 OVERALL UTILITY PLAN January 31, 2024 02:04:45pm K:\WPB_DevServices\144767019 – Memorial Manor FSED\CADD\PlanSheets\C5.00 OVERALL UTILITY PLAN.dwg
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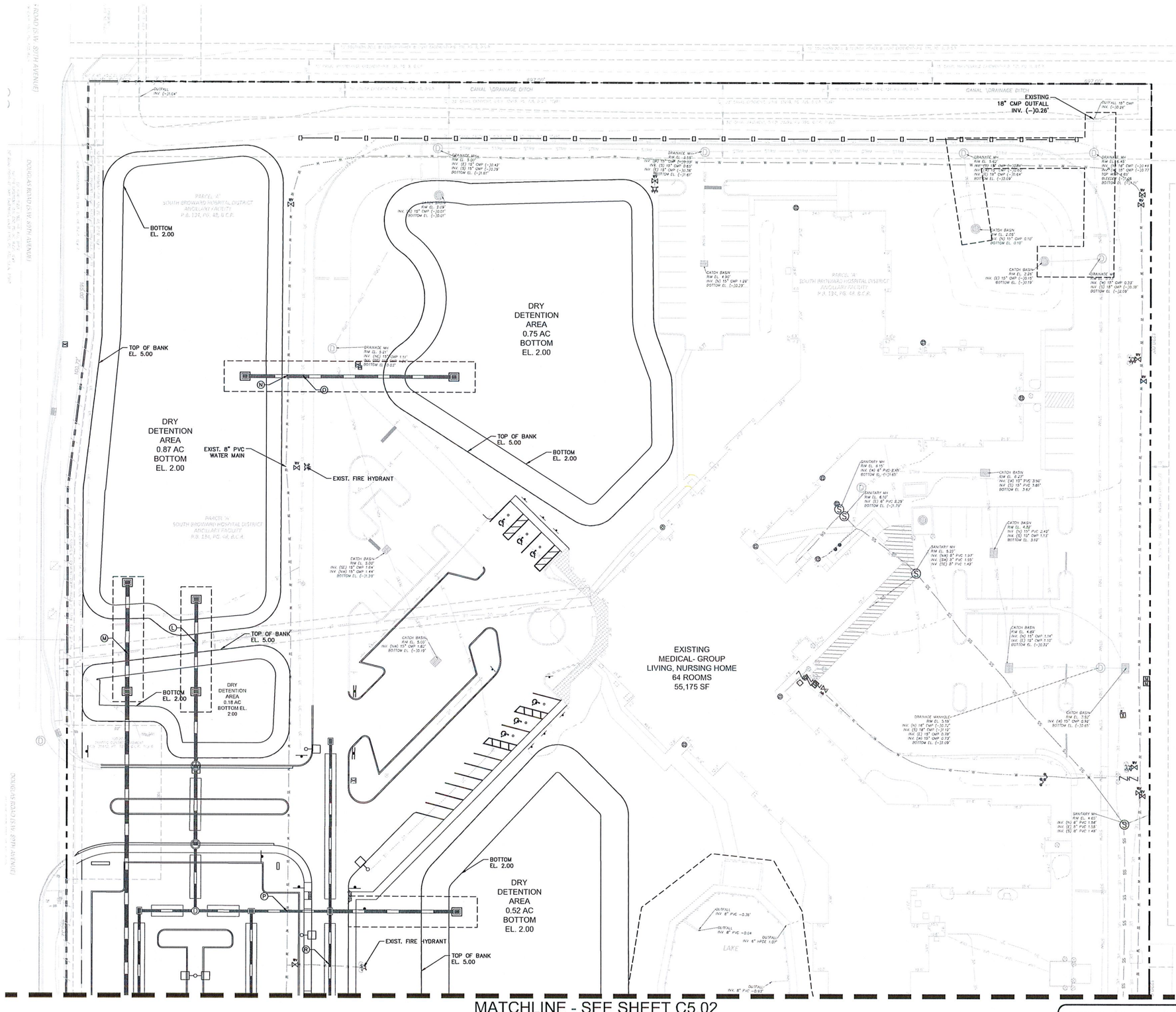

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND

- PROPERTY LINE
- EXISTING WATER PIPE
- EXISTING SEWER PIPE
- EXISTING STORM PIPE
- PROPOSED WATER PIPE
- PROPOSED FIRE LINE
- PROPOSED SEWER PIPE
- PROPOSED STORM PIPE
- UTILITY CROSSING

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8. CONTRACTOR TO VERIFY ALL EXISTING UTILITY ELEVATIONS AT CONFLICT POINTS PRIOR TO CONSTRUCTION AND PRIOR TO ANY STORM OR SANITARY STRUCTURE FABRICATION.
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1920 WEKIVA WAY, SUITE 209
WEST PALM BEACH, FL 33411-2410
REGISTRY No. 35169

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

CON NO.: 111AAA
KEY PLAN

MICHAEL SCHWARTZ LICENSE No. 56200 STATE OF FLORIDA PROFESSIONAL ENGINEER 01/24/2024

REVISION	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
UTILITY PLAN

SHEET NO.
C5.01

Plotted By:Martinez, Moises Sheet Set:MEMORIAL MANOR FSED Layout:C5.01 UTILITY PLAN January 31, 2024 02:05:08pm K:\WPB_DevServices\144767019 – Memorial Manor FSED\CADD\PlanSheets\C5.01 UTILITY PLAN.dwg
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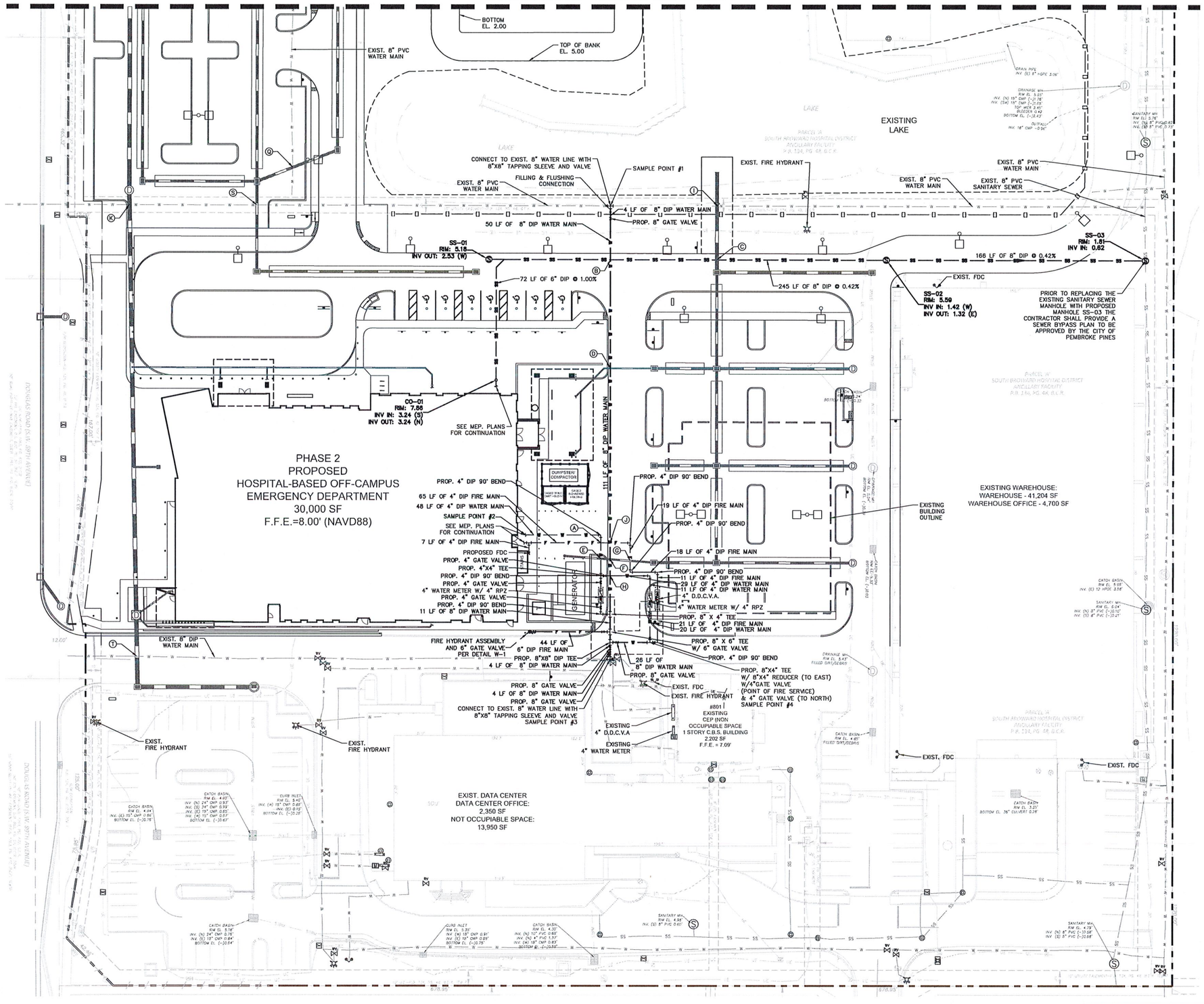
MATCHLINE - SEE SHEET C5.01



NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND

- PROPERTY LINE
- EXISTING WATER PIPE
- EXISTING SEWER PIPE
- EXISTING STORM PIPE
- PROPOSED WATER PIPE
- PROPOSED FIRE LINE
- PROPOSED SEWER PIPE
- PROPOSED STORM PIPE
- (A) UTILITY CROSSING

UTILITY NOTES:

1. REVIEW AND APPROVAL BY THE AHJ SHALL NOT RELIEVE THE APPLICANT OF THE RESPONSIBILITY OF COMPLIANCE WITH THIS CODE PER NFPA 1-1.14.4
2. WHEN REQUIRED BY THE AHJ, ROADS(S) OR PARKING LOTS PROVIDING ACCESS TO MAIN ENTRANCE DOOR(S) SHALL BE CONSIDERED ACCESS ROADS AND SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 1-18.2.3.4.1.1 AND NFPA 1-18.2.3.4.1.2
3. MULTIPLE ACCESS ROADS. MORE THAN ONE FIRE DEPARTMENT ACCESS ROAD SHALL BE PROVIDED WHEN IT IS DETERMINED BY AHJ THAT ACCESS BY A SINGLE ROAD COULD BE IMPAIRED BY VEHICLE CONGESTION, CONDITION OF TERRAIN, CLIMATIC CONDITIONS, OR OTHER FACTORS THAT COULD LIMIT ACCESS.
4. FIRE CODES IN EFFECT: FLORIDA FIRE PREVENTION CODE (FFPC) 7TH EDITION, EFFECTIVE DECEMBER 31, 2020 WITH BROWARD COUNT AMENDMENTS, WHICH INCLUDES NFPA 101, 2018 EDITION, NFPA 1, 2018 EDITION, & STATE STATUES, 2017 EDITION (ADOPTED REFERENCED PUBLICATIONS FOUND HEREIN.)
5. A FLORIDA CERTIFIED SPRINKLER CONTRACTOR SHALL PULL PERMITS AND BEGIN WORK FROM THE POINT OF SERVICE. FAC 69A-46.040 (2)
6. THE FULL FLOW TEST OF THE BACKFLOW PREVENTION VALVE CAN BE PERFORMED WITH A TEST HEADER OR OTHER CONNECTION DOWNSTREAM OF THE VALVE. A BYPASS AROUND THE CHECK VALVE IN THE FIRE DEPARTMENT CONNECTOR LINE WITH A CONTROL VALVE IN THE NORMALLY CLOSED POSITION CAN BE AN ACCEPTABLE ARRANGEMENT. WHEN FLOW TO A VISIBLE DRAIN CANNOT NOT BE ACCOMPLISHED, CLOSED LOOP FLOW CAN BE ACCEPTABLE IF A FLOWMETER OR SITE GLASS IS INCORPORATED INTO THE SYSTEM TO ENSURE FLOW, A.8.17.4.6.1
7. PRIOR TO REPLACING THE EXISTING SANITARY SEWER MANHOLE WITH PROPOSED MANHOLE SS-03 THE CONTRACTOR SHALL PROVIDE A SEWER BYPASS PLAN TO BE REVIEWED AND APPROVED BY THE CITY OF PEMBROKE PINES, OWNER, AND ENGINEER OF RECORD
8. CONTRACTOR TO VERIFY ALL EXISTING UTILITY ELEVATIONS AT CONFLICT POINTS PRIOR TO CONSTRUCTION AND PRIOR TO ANY STORM OR SANITARY STRUCTURE FABRICATION.
9. REQUIRED DIP SEWER MAIN MUST BE LINED WITH PROTECTO 401 CERAMIC EPOXY LINING AND MUST BE BACKFILLED WITH SELECT COARSE SAND FROM THE "SPRING LINE" OF THE PIPE TO A POINT OF 6" ABOVE THE TOP OF PIPE OR TO THE BOTTOM OF THE LIMEROCK BASE WHICHEVER IS GREATER AND A MINIMUM OF 18" ON EACH SIDE OF THE SERVICE MAIN

PLANS ARE IN NAVD88 DATUM CONVERSION EQUATION IS BELOW:
(NGVD 1929) – 1.594' = (NAVD 1988)

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR DEWATERING AND OBTAINING ALL NECESSARY PERMITS.

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HOLLYWOOD, FL. 33021

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2029 SALZEDO STREET, 4TH FLOOR
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REGISTRY No. 35105

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

CON NO.: 115456
KEY PLAN

MICHAEL SCHWARTZ LICENSE No. 66200 STATE OF FLORIDA PROFESSIONAL ENGINEER
JAN 15 2024

REVISION NO.	DESCRIPTION	DATE
1		

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
UTILITY PLAN
SHEET NO.
C5.02

Plotted By:Martinez, Moises Sheet Set:MEMORIAL MANOR FSED Layout:C5.02 UTILITY PLAN January 31, 2024 02:05:13pm K:\WPB_DevServices\144767019 – Memorial Manor FSED\CADD\PlanSheets\C5.01 UTILITY PLAN.dwg
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UTILITY CROSSINGS

A PROPOSED 4" DIP FIRE TO CROSS OVER
PROPOSED 4" DIP WATER

GRADE EL:	6.73'
FIRE BOT:	3.50'
WATER TOP:	1.99'
CLEARANCE:	1.51'

B PROPOSED 6" DIP SSWR TO CROSS OVER
PROPOSED 8" DIP WATER

GRADE EL:	5.73'
SSWR BOT:	2.11'
WATER TOP:	0.60'
CLEARANCE:	1.51'

C PROPOSED 6" DIP SSWR TO CROSS OVER
PROPOSED 24" HDPE STRM

GRADE EL:	5.32'
SSWR BOT:	1.82'
STRM TOP:	0.70'
CLEARANCE:	1.12'

D PROPOSED 8" DIP WATER TO CROSS OVER
PROPOSED 8" HDPE STRM

GRADE EL:	6.21'
WATER BOT:	2.96'
STRM TOP:	2.46'
CLEARANCE:	0.50'

E PROPOSED 4" DIP WATER TO CROSS OVER
PROPOSED 12" HDPE STRM

GRADE EL:	6.69'
WATER BOT:	2.25'
STRM TOP:	1.64'
CLEARANCE:	0.61'

F PROPOSED 8" DIP WATER TO CROSS OVER
PROPOSED 12" HDPE STRM

GRADE EL:	6.52'
WATER BOT:	2.20'
STRM TOP:	1.64'
CLEARANCE:	0.56'

G PROPOSED 4" DIP WATER TO CROSS OVER
PROPOSED 12" HDPE STRM

GRADE EL:	6.58'
WATER BOT:	3.50'
STRM TOP:	1.64'
CLEARANCE:	1.86'

H PROPOSED 4" DIP WATER TO CROSS OVER
PROPOSED 8" DIP WATR

GRADE EL:	6.46'
WATER BOT:	2.20'
WATR TOP:	1.67'
CLEARANCE:	0.53'

I EXISTING 8" PVC WATER TO CROSS OVER
PROPOSED 24" HDPE STRM

GRADE EL:	4.42'
WATER BOT:	-0.78'
STRM TOP:	-1.33'
CLEARANCE:	0.55'

J PROPOSED 4" DIP FIRE TO CROSS OVER
PROPOSED 8" DIP WATER

GRADE EL:	6.57'
FIRE BOT:	3.50'
WATER TOP:	2.97'
CLEARANCE:	0.53'

K EXISTING 8" PVC WATER TO CROSS OVER
PROPOSED 30" HDPE STRM

GRADE EL:	5.21'
WATER BOT:	-0.78'
STRM TOP:	-1.37'
CLEARANCE:	0.59'

L EXISTING 6" UNKNOWN ELECTRIC TO CROSS OVER
PROPOSED 24" HDPE STRM

GRADE EL:	4.35'
ELECTRIC BOT:	-2.00'
STRM TOP:	-2.55'
CLEARANCE:	0.55'

M EXISTING 6" UNKNOWN ELECTRIC TO CROSS OVER
PROPOSED 30" HDPE STRM

GRADE EL:	4.54'
ELECTRIC BOT:	-2.00'
STRM TOP:	-2.55'
CLEARANCE:	0.55'

N EXISTING 8" PVC WATER TO CROSS OVER
PROPOSED 24" HDPE STRM

GRADE EL:	4.65'
WATER BOT:	0.15'
STRM TOP:	-2.50'
CLEARANCE:	2.65'

O EXISTING 6" UNKNOWN ELECTRIC TO CROSS OVER
PROPOSED 24" HDPE STRM

GRADE EL:	4.81'
ELECTRIC BOT:	-2.00'
STRM TOP:	-2.50'
CLEARANCE:	0.50'

P EXISTING 8" PVC WATER TO CROSS OVER
PROPOSED 18" HDPE STRM

GRADE EL:	5.29'
STRM BOT:	-0.75'
STRM TOP:	-1.41'
CLEARANCE:	0.66'

Q EXISTING 8" PVC WATER TO CROSS OVER
PROPOSED 18" HDPE

GRADE EL:	5.45'
WATER BOT:	-0.75'
STRM TOP:	-1.41'
CLEARANCE:	0.66'

R EXISTING 8" PVC WATER TO CROSS OVER
PROPOSED 18" HDPE

GRADE EL:	5.47'
WATER BOT:	-0.75'
STRM TOP:	-1.41'
CLEARANCE:	0.66'

S EXISTING 8" PVC WATER TO CROSS OVER
PROPOSED 18" HDPE

GRADE EL:	5.40'
WATER BOT:	-0.78'
STRM TOP:	-1.34'
CLEARANCE:	0.56'

T EXISTING 8" PVC WATER TO CROSS OVER
PROPOSED 30" HDPE

GRADE EL:	5.65'
WATER BOT:	-0.78'
STRM TOP:	-1.29'
CLEARANCE:	0.51'

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Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS
EMERGENCY DEPARTMENT

CCN NO.: 111AAA
KEY PLAN

MICHAEL SCHWARTZ
LICENSE
No. 56200
STATE OF FLORIDA
PROFESSIONAL ENGINEER
1/24/2024

REVISION NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
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UTILITY CROSSINGS
SHEET NO.
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Plotted By: Martinez, Moises Sheet Set: MEMORIAL MANOR FSED Layout: C5.03_UTILITY CROSSINGS January 31, 2024 02:05:20pm K:\WPB_DevServices\14476709 – Memorial Manor FSED\CADD\PlanSheets\C5.03_UTILITY CROSSINGS.dwg
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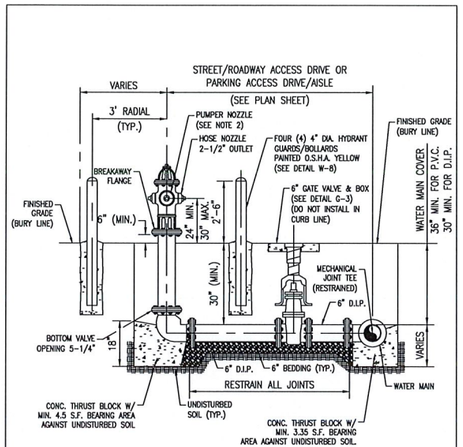


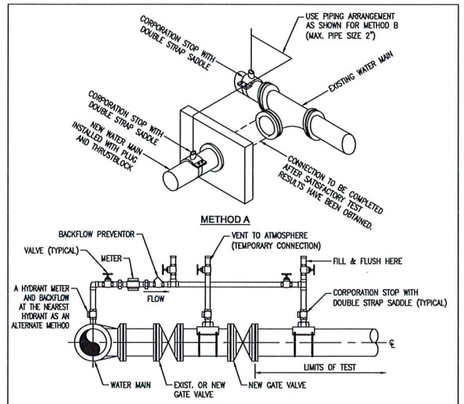
NOTE:
1. REFER TO SHEET 2 OF 2 FOR APPLICABLE "NOTES".

CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD WATER DISTRIBUTION DETAIL	W-1
APPROVED: K.M.K.	REVISED:	FIRE HYDRANT	SHEET 1 OF 2
DATE: 04/23/19			

NOTES:
1. FIRE HYDRANT SHALL BE "AMERICAN DARLING" OR "MUELLER" TYPE HAVING A MINIMUM 51/4" BOTTOM VALVE OPENING WITH A 41/2" PUMPER NOZZLE AND TWO (2) 21/2" HOSE NOZZLE OUTLETS. FIRE HYDRANT SHALL BE FACTORY PAINTED O.S.H.A. YELLOW.
2. PUMPER NOZZLE OF THE FIRE HYDRANT TO FACE THE NEAREST ADJACENT STREET/ROADWAY, ACCESS DRIVE OR PARKING ACCESS DRIVE/AISLE AND A BLUE REFLECTIVE PAVEMENT MARKER (RPM) SHALL BE INSTALLED IN THE CENTER OF THE TRAVEL LANE OF THE NEAREST ADJACENT STREET/ROADWAY, ACCESS DRIVE OR PARKING ACCESS DRIVE/AISLE.
3. FIRE HYDRANT BURY LINE TO MATCH ADJACENT STREET/ROADWAY CROWN ELEVATION, AS MAY BE APPLICABLE, AND THE CLEARANCE BETWEEN THE BOTTOM OF THE BOLTS OF THE BREAKAWAY FLANGE AND GRADE SHALL BE 6" MINIMUM.
4. FIRE HYDRANTS SHALL BE LOCATED RELATIVE TO THE EDGE OF PAVEMENT FOR STREETS/ROADWAYS BASED UPON "LATERAL OFFSET" REQUIREMENTS PER CHAPTER 4, "ROADSIDE SAFETY", OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (F.D.O.T.) "PLANS PREPARATION MANUAL", LATEST EDITION.
5. FIRE HYDRANTS SHALL BE LOCATED A MINIMUM OF 6' FROM THE EDGE OF THE PAVEMENT/FACE OF CURB OF AN ACCESS DRIVE OR PARKING ACCESS DRIVE/AISLE AND A MINIMUM OF 5' FROM THE FACE OF CURB OF THE SIDE OF ANY TERMINAL OR INTERIOR PARKING LANDSCAPE ISLAND.
6. HYDRANT GUARDS/BOLLARDS SHALL BE PROVIDED AROUND THE FIRE HYDRANT AS SHOWN WHEN THE FIRE HYDRANT IS LOCATED WITH SIX (6') FEET OF THE EDGE OF PAVEMENT OF A PUBLIC/PRIVATE STREET/ROADWAY, ACCESS DRIVE, PARKING ACCESS DRIVE/AISLE OR "TURNING RADIUS".
7. A SEVEN AND HALF (7.5') FOOT RADIUS AROUND THE FIRE HYDRANT CLEAR OF ALL IMPROVEMENTS SHALL BE MAINTAINED.
8. ALL WATER MAIN PIPING FITTINGS BACK TO THE "SUPPLY MAIN" SHALL BE CLASS 52 DUCTILE IRON PIPE (D.I.P.) AND FITTINGS/SPOOL PIECES SHALL BE CLASS 350 DUCTILE IRON.
9. ALL D.I.P. AND FITTINGS/SPOOL PIECES SHALL BE RESTRAINED WITH "MEGALUGS" OR CITY APPROVED EQUAL.
10. FIRE HYDRANT GATE VALVE SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO THE "SUPPLY MAIN". SHOULD THE DISTANCE FROM THE "SUPPLY MAIN" TO THE FIRE HYDRANT LOCATION EXCEED TWENTY (20') FEET THEN A SECOND GATE VALVE IS REQUIRED TO BE INSTALLED AT THE HYDRANT.
11. DEPTH OF COVER TO THE TOP OF THE D.I.P. WATER MAIN SHALL BE 30" MINIMUM.
12. FIRE HYDRANTS SHALL HAVE THEIR TOP COLOR CODED TO INDICATE THE "FLOW CAPACITY" IN GALLONS PER MINUTE (GPM) OF FLOW, AS FOLLOWS:

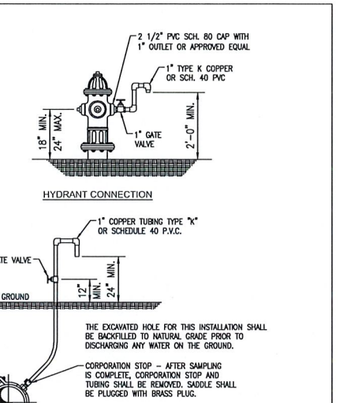
FLOW	COLOR OF BONNET AND CAP
1,500 GPM OR GREATER	BLUE
1,000 GPM OR GREATER	GREEN
500 – 1,000 GPM	ORANGE
LESS THAN 500 GPM	RED

CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD WATER DISTRIBUTION DETAIL	W-1
APPROVED: K.M.K.	REVISED:	FIRE HYDRANT	SHEET 2 OF 2
DATE: 04/23/19			



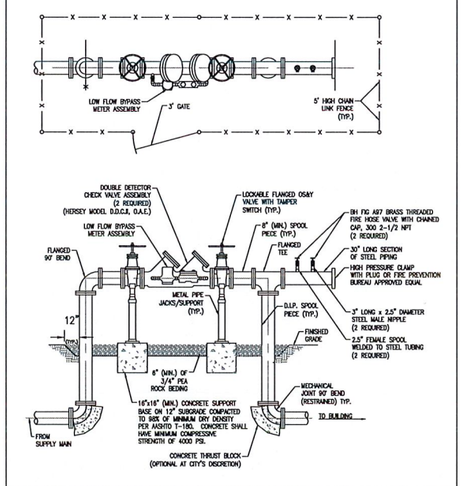
NOTES:
1. WATER MAIN TO BE PRESSURE TESTED AND DISINFECTED ACCORDING TO BROWARD COUNTY PUBLIC HEALTH UNIT REGULATIONS, AWWA, AND MUNICIPAL SPECIFICATIONS IN EFFECT. BACTERIOLOGICAL TESTS ARE TO BE PERFORMED BY THE CONTRACTOR AND AN APPROVED TESTING LABORATORY.
2. REMOVE TEMPORARY CONNECTION AT SADDLE ON NEW MAINS AFTER FILLING AND FLUSHING HAS BEEN COMPLETED AND REPLACE WITH BRASS PLUG.
3. PROVIDE ALL NECESSARY THRUST BLOCKS OR OTHER RESTRAINTS.
4. FILLING AND FLUSHING LOCATIONS SHALL BE COORDINATED BY THE CONTRACTOR, ENGINEER, AND CITY.
5. VENT TO ATMOSPHERE SHALL REMAIN OPEN DURING ALL PHASES OF PRESSURE TESTING.

CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD WATER DISTRIBUTION DETAIL	W-2
APPROVED: J.M.	REVISED: 04/20/23	FILLING AND FLUSHING	
DATE: 11/05/99	06/22/22		



NOTE:
1. SEE 2" TERMINAL BLOW-OFF ALSO.

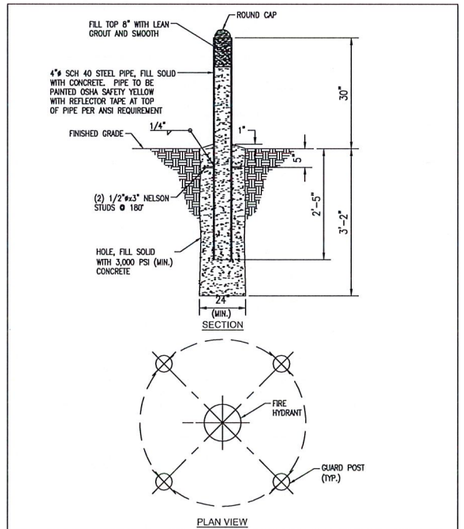
CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD WATER DISTRIBUTION DETAIL	W-3
APPROVED: J.M.	REVISED:	TYPICAL SAMPLE POINTS	
DATE: 11/05/99			



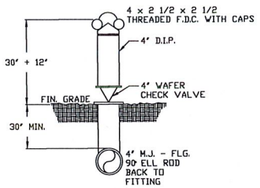
CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD WATER DISTRIBUTION DETAIL	W-6
APPROVED: K.M.K.	REVISED: 08/23/22	DOUBLE DETECTOR CHECK VALVE FOR FIRE LINE	SHEET 1 OF 2
DATE: 05/13/19			

NOTES:
1. MECHANICAL JOINT FITTINGS SHALL BE REQUIRED UNDERGROUND BACK TO "SUPPLY MAIN" AND FLANGED FITTINGS FOR ABOVE GROUND WATER METER, BACKFLOW PREVENTER AND ALL PIPING FITTINGS/APPURTENANCES. NO UNIFLANGES WILL BE PERMITTED. ALL HARDWARE (BOLTS, NUTS, ETC.) FOR ABOVE GROUND FLANGED FITTINGS (CONNECTIONS) SHALL BE STAINLESS STEEL.
2. THE ABOVE GROUND ASSEMBLY AND PIPING FITTINGS/APPURTENANCES SHALL BE PAINTED WITH TNEMEL EPOXY/POLYURETHANE COATING OR CITY APPROVED EQUAL BASED UPON TNEMEL'S/PAINT MANUFACTURER'S RECOMMENDATION PER APPLICATION. PAINTING SHALL BE COMPLETED ONLY AFTER TNEMEL'S/PAINT MANUFACTURER'S REQUIRED SURFACE AND PREPARATION MEASURES HAVE BEEN COMPLETED, INSPECTED, AND ACCEPTED BY THE CITY.
3. ADJUSTABLE PIPE JACKS/SUPPORT PIERS AS APPROVED BY THE CITY PER SHOP DRAWINGS SUBMITTAL SHALL BE PROVIDED AT LOCATIONS AS SHOWN OR AS OTHERWISE DIRECTED BY CITY IN THE FIELD.
4. 5' HIGH CHAIN LINK FENCE SHALL BE GALVANIZED AND CONFORM TO BUILDING DEPARTMENT REQUIREMENTS.
5. ALL LOW FLOW BY PASS METER PIPING AND FITTINGS SHALL BE THREADED BRASS.
6. ALL PIPING SHALL BE D.I.P. WATER MAIN SHALL BE CLASS 350 OR AS REQUIRED PER N.F.P.A/CITY FIRE PREVENTION BUREAU STANDARDS/REQUIREMENTS AND RESTRAINED BACK TO THE POINT OF SERVICE WITH MEGALUGS.
7. 3' WIDE (MIN.) 6" THICK CONCRETE SLAB HAVING A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI ON 12" STABILIZED SUBGRADE HAVING A MINIMUM LBR OF 40 COMPACTED TO 98% OF MAXIMUM DRY DENSITY PER AASHTO T-180. MAY BE PROVIDED AS AN ALTERNATE TO THE 6" OF 3/4" PEA ROCK BEDDING AND 16"X16" CONCRETE SUPPORT BASES.
8. EACH DS&Y VALVE SHALL BE MONITORED BY AN ELECTRONIC TAMPER SWITCH CONNECTED TO A CENTRAL ALARM SERVICE.

CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD WATER DISTRIBUTION DETAIL	W-6
APPROVED: K.M.K.	REVISED: 08/23/22	DOUBLE DETECTOR CHECK VALVE FOR FIRE LINE - NOTES	SHEET 2 OF 2
DATE: 05/13/19			



CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD WATER DISTRIBUTION DETAIL	W-8
APPROVED: K.M.K.	REVISED: 06/01/20	GUARD POST DETAIL	
DATE: 04/23/19			



FIRE DEPT. CONNECTION DETAIL

NTS

NOTES:
– BLACK STEEL PIPE, SCHEDULE 80, COATED WITH BITUMASTIC AT LEAST 30" BELOW & 6" ABOVE FINISH GRADE. A STEEL DRIVE SHOE IS REQUIRED WITH A 6' LEAD BELOW IT.
– MATERIALS AND INSTALLATION TO MEET CITY REQUIREMENTS.

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CORAL GABLES, FL 33134

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225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201

MEP ENGINEER
TLC ENGINEERING SOLUTIONS
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ORLANDO, FL 32801

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2995 SOCO DRIVE,
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3309 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410
REGISTRY No. 35106

Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

CCN NO.: 111AAA
KEY PLAN

MICHAEL J. SCHWARTZ
LICENSE
No. 56200
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISION			
NO.	DESCRIPTION	DATE	

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
UTILITY DETAILS

SHEET NO.
C5.10

Plotted By:Martinez, Moises Sheet Set:MEMORIAL MANOR FSED Layout:C5.10 UTILITY DETAILS January 31, 2024 02:05:30pm K:\WPB_Dev\Services\14476\019 – Memorial Manor FSED\CADD\PlanSheets\C5.10 UTILITY DETAILS.dwg
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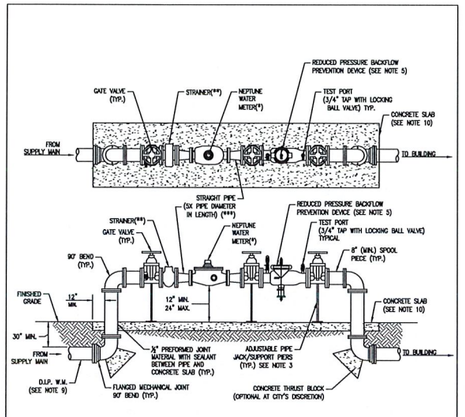


NOTES:

REFER TO SHEET 2 OF 2 FOR APPLICABLE "NOTES".

(*) -METER TYPE AND SIZE AS APPROVED BY CITY ENGINEERING/UTILITIES DIVISION BASED UPON HYDRAULIC CALCULATIONS SUBMITTED BY ENGINEER (SEE NOTE 6 AND 11).

(**) -"UPSTREAM" STRAINER REQUIRED FOR TURBINE METER ONLY.

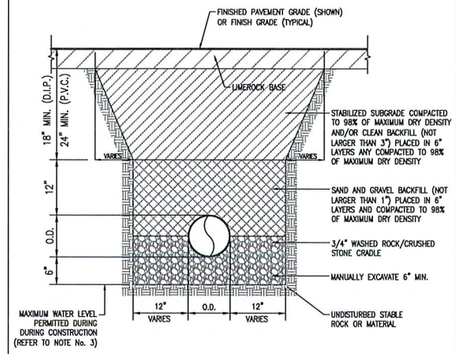
(***) -NO SECTIONS OF STRAIGHT PIPE ARE REQUIRED IMMEDIATELY UPSTREAM OR DOWNSTREAM OF AN ULTRASONIC METER.

CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD WATER DISTRIBUTION DETAIL		
APPROVED: K.M.K.	REVISED: 12/23/20	LARGE (3-INCH OR GREATER) WATER METER AND BACKFLOW PREVENTER ASSEMBLY		W-9
DATE: 04/01/19	02/14/19			SHEET 1 OF 2

NOTES:

1. MECHANICAL JOINT FITTINGS SHALL BE REQUIRED UNDERGROUND BACK TO "SUPPLY MAIN" AND FLANGED FITTINGS FOR ABOVE GROUND WATER METER, BACKFLOW PREVENTER AND ALL PIPING FITTINGS/APPURTENANCES. NO UNFLANGES WILL BE PERMITTED. ALL HARDWARE (BOLTS, NUTS, ETC.) FOR ABOVE GROUND FLANGED FITTINGS (CONNECTIONS) SHALL BE STAINLESS STEEL.
2. THE ABOVE GROUND ASSEMBLY AND PIPING FITTINGS/APPURTENANCES SHALL BE PAINTED WITH TNEMEL EPOXY/POLYURETHANE COATING OR CITY APPROVED EQUAL BASED UPON TNEMEL'S/PAINT MANUFACTURER'S RECOMMENDATION PER APPLICATION. PAINTING SHALL BE COMPLETED ONLY AFTER TNEMEL'S/PAINT MANUFACTURER'S REQUIRED SURFACE AND PREPARATION MEASURES HAVE BEEN COMPLETED, INSPECTED, AND ACCEPTED BY THE CITY.
3. ADJUSTABLE PIPE JACKS/SUPPORT PIERS AS APPROVED BY THE CITY PER SHOP DRAWINGS SUBMITTAL SHALL BE PROVIDED AT LOCATIONS AS SHOWN OR AS OTHERWISE DIRECTED BY CITY IN THE FIELD.
4. PROVIDE PROTECTIVE "BOLLARDS" OR OTHER CITY APPROVED DEVICES WHERE ASSEMBLY IS LOCATED IN AN AREA THAT COULD POTENTIALLY BE IMPACTED BY VEHICULAR TRAFFIC.
5. APPROVED REDUCED PRESSURE BACKFLOW PREVENTER WITH SILICONE RUBBER SEAL RINGS OR DISKS AS FOLLOWS:
   A. WILKINS MODEL #375 S, 3" TO 10"
   B. AMES MODEL #4000 SSI, 3" TO 10"
   C. CITY APPROVED ALTERNATE
6. WATER METER SHALL BE NEPTUNE MACH10 ULTRASONIC METER FOR METER SIZES OF 3", 4" AND 6" OR NEPTUNE HIGH PERFORMANCE TURBINE METER FOR METER SIZES OF 8" AND 10". NEPTUNE MACH10 ULTRASONIC AND HIGH PERFORMANCE TURBINE METER SHALL HAVE NEPTUNE PROCODER REGISTER. ALL WATER METERS LARGER THAN 2" SHALL BE PURCHASED BY THE DEVELOPER/OWNER OF THE PROJECT AND INSTALLED BY THE SITE CONTRACTOR ONLY AFTER VERIFICATION OF WATER METER TYPE AND SIZE AND OPENING OF WATER AND SEWER ACCOUNT BY CUSTOMER SERVICES SECTION OF THE UTILITIES DIVISION.
7. GATE VALVES, STRAINER (IF APPLICABLE), BACKFLOW PREVENTER ASSEMBLY, PIPING AND FITTINGS SHALL BE OF THE SAME SIZE AS THE WATER MAIN.
8. ALL TEST PORTS SHALL BE PLUGGED WITH BRASS PLUGS.
9. D.I.P. WATER MAIN (RESTRAINED) WITH A DEPTH OF COVER TO TOP OF PIPE OF 30" (MIN.) SHALL BE REQUIRED BACK TO THE "SUPPLY MAIN". MEGALUGS OR APPROVED EQUAL ARE TO BE UTILIZED TO RESTRAIN THE PIPE AND ALL FITTINGS/APPURTENANCES BACK TO THE "SUPPLY MAIN".
10. 3" WIDE (MIN.) 6" THICK CONCRETE SLAB HAVING A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI ON 12" STABILIZED SUBGRADE HAVING A MINIMUM LBR OF 40 COMPACTED TO 98% OF MAXIMUM DRY DENSITY PER A.A.S.H.T.O. T-180 SHALL BE PROVIDED FOR LIMITS AS SHOWN.
11. FOR PERMIT APPROVAL, THE ENGINEER SHALL SUBMIT FOR ENGINEERING/UTILITIES DIVISION APPROVAL HYDRAULIC CALCULATIONS FOR THE SELECTED WATER METER TYPE AND SIZE VERIFYING ADEQUATE METER FLOW MEASUREMENT AND PERFORMANCE AT LOW PRESSURE AND AT LOW AND PEAK DEMAND CONDITIONS.
12. PRIOR TO OPENING A WATER AND SEWER ACCOUNT THROUGH THE CUSTOMER SERVICE SECTION OF THE UTILITIES DIVISION AND PRIOR TO INSTALLATION, THE CONTRACTOR SHALL "DROP OFF"/DELIVER THE WATER METER TO THE CUSTOMER SERVICES SECTION OF THE UTILITIES DIVISION FOR ACCOUNT INFORMATION PURPOSES AND INSPECTION AND VERIFICATION OF WATER METER TYPE AND SIZE PER APPROVED HYDRAULIC CALCULATIONS AND PLANS. WATER METER WILL BE RELEASED FOR INSTALLATION ONLY AFTER ACCEPTANCE OF WATER METER AND OPENING OF WATER AND SEWER ACCOUNT.

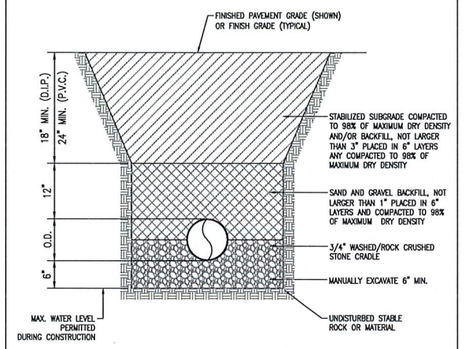
CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD WATER DISTRIBUTION DETAIL		
APPROVED: K.M.K.	REVISED: 12/23/20	---		W-9
DATE: 04/01/19	05/25/19			SHEET 2 OF 2



NOTES:

1. MAXIMUM DENSITY SHALL BE DETERMINED BY AASHTO T-180.
2. MAXIMUM DEPTH TO BOTTOM OF PRESSURE MAINS SHALL NOT EXCEED SIX (6) FEET UNLESS OTHERWISE APPROVED BY THE CITY OF PEMBROKE PINES UTILITY DEPARTMENT.
3. MAXIMUM WATER LEVEL IN TRENCH SHALL BE MAINTAINED AT BOTTOM OF 'BEDDING MATERIAL' UNLESS SOI LAND WATER TABLE CONDITIONS DICTATE OTHERWISE, THEN AN ALTERNATE METHOD OF CONTROLLING THE WATER LEVEL IN THE TRENCH AND/OR ALTERNATE METHOD OF INSTALLATION IN "WET CONDITIONS" SHALL BE PROPOSED BY CONTRACTOR AND ENGINEER AND APPROVED BY CITY'S FIELD REPRESENTATIVE FOR FIELD USE.

CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD GENERAL DETAIL		
APPROVED: J.M.	REVISED:	WATER AND SEWER TRENCH BACKFILL		G-1
DATE: 11/05/99	6/15/20			



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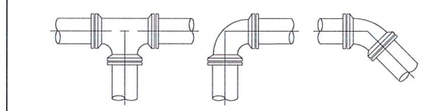
2. MAXIMUM DEPTH TO BOTTOM OF PRESSURE MAINS SHALL NOT EXCEED SIX (6) FEET UNLESS OTHERWISE APPROVED BY THE CITY OF PEMBROKE PINES UTILITY DEPT.

CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD GENERAL DETAIL		
APPROVED: J.M.	REVISED:	TYPICAL TRENCH		G-2
DATE: 11/05/99				



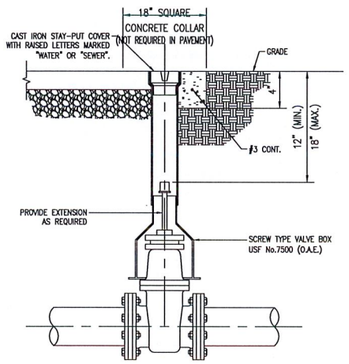
TEE & WYE 90° BEND 45° & 22 1/2° BEND

RESTRAINED PIPE LENGTH (LINEAL FEET)					
PIPE SIZE	TEE & WYE	90°BEND	45°BEND	22 1/2°BEND	11 1/4°BEND
6"	27	27	16	9	5
8"	34	34	20	11	6
10"	41	41	24	14	7
12"	48	48	28	16	8
14"	55	55	32	18	10
16"	62	62	35	20	11
18"	69	69	39	22	12
20"	75	75	42	24	13
24"	87	87	49	27	14
30"	104	104	57	31	17
36"	120	120	65	35	19
42"	134	134	72	39	21
48"	147	147	79	42	22
54"	160	160	85	45	24

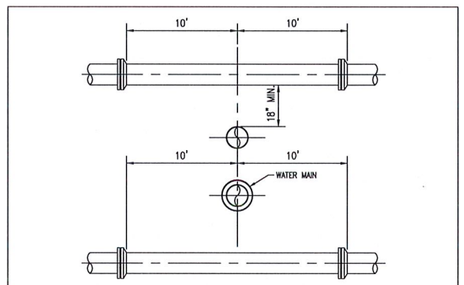
NOTE:

THE FIGURES IN THIS TABLE ARE BASED ON 150 PSI TEST PRESSURE WITH 2.5 FEET OF COVER AND 2000 POUNDS PER SQUARE FOOT SOIL BEARING AGAINST UNDISTURBED TRENCH. A 20% SAFETY FACTOR HAS BEEN ADDED.

CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD GENERAL DETAIL		
APPROVED: J.M.	REVISED:	RESTRAINED JOINTS		G-2
DATE: 11/05/99				



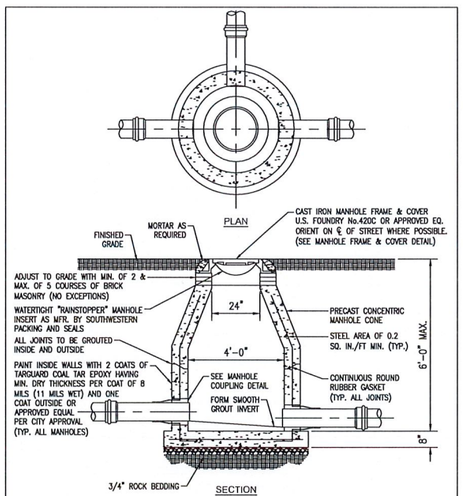
CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD GENERAL DETAIL		
APPROVED: J.M.	REVISED:	VALVE AND BOX		G-3
DATE: 11/05/99				



NOTES:

1. A WATER MAIN SHOULD CROSS OVER PIPES WHEREVER POSSIBLE MAINTAINING A 36 INCH COVER FOR PVC, 30 INCH COVER FOR D.I.P. AND 18 INCH SEPARATION AS MINIMUMS.
2. WHEREVER A WATER MAIN CROSSES UNDER A SEWER MAIN, OR CROSSES OVER WITH LESS THAN 18 INCHES VERTICAL SEPARATION, THEN D.I.P. SHALL BE USED FOR BOTH PIPES FOR A DISTANCE OF 20 FEET CENTERED ON CROSSING WITH NO JOINTS WITHIN 10 FEET OF THE CROSSING.
3. 18 INCH SEPARATION SHOULD BE MAINTAINED BETWEEN ALL PIPES (STORM, SEWER, WATER) WHENEVER POSSIBLE. 12 INCHES IS THE ABSOLUTE MINIMUM SEPARATION WITH D.I.P. REQUIRED FOR ANY SEPARATION LESS THAN 18 INCHES.
4. MAINTAIN 10 FEET HORIZONTAL SEPARATION BETWEEN WATER AND SEWER AS A MINIMUM.
5. 3 FOOT HORIZONTAL CLEARANCE SHALL BE PROVIDED BETWEEN UTILITIES AND ANY OBSTRUCTIONS (CATCH BASINS, CONCRETE POLES, ETC.)
6. 5 FOOT HORIZONTAL CLEARANCE SHALL BE PROVIDED BETWEEN UTILITIES AND TREES.

CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD GENERAL DETAIL		
APPROVED: J.M.	REVISED:	UTILITY CROSSING GENERAL REQUIREMENTS		G-4
DATE: 11/05/99				



NOTE:

1. ALL REQUIREMENTS FOR ECCENTRIC PRECAST MANHOLES APPLY TO CONCENTRIC PRECAST MANHOLES

CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD SANITARY SEWER DETAIL		
APPROVED: J.M.	REVISED: 02/06/23	CONCRETE PRECAST MANHOLE - 6 FEET AND UNDER		S-1
DATE: 11/05/99				

PLANS ARE IN NAVD88 DATUM CONVERSION EQUATION IS BELOW: (NGVD 1929) – 1.594' = (NAVD 1988)

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR DEWATERING AND OBTAINING ALL NECESSARY PERMITS.

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REGISTRY No. 35106

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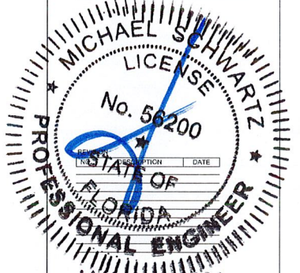

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23/100230-14430

HKS PROJECT NUMBER
25566.000

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JANUARY 24, 2024

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SHEET TITLE
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SHEET NO.
C5.11

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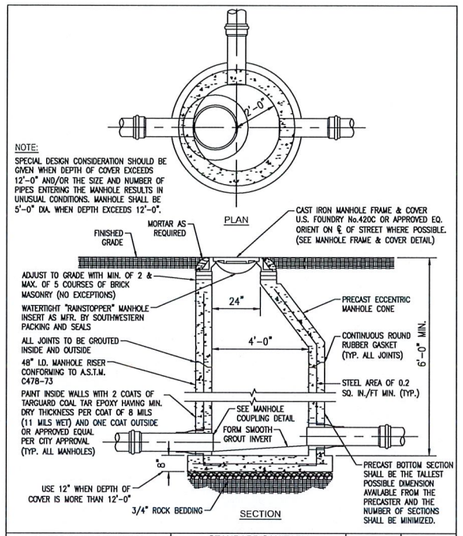
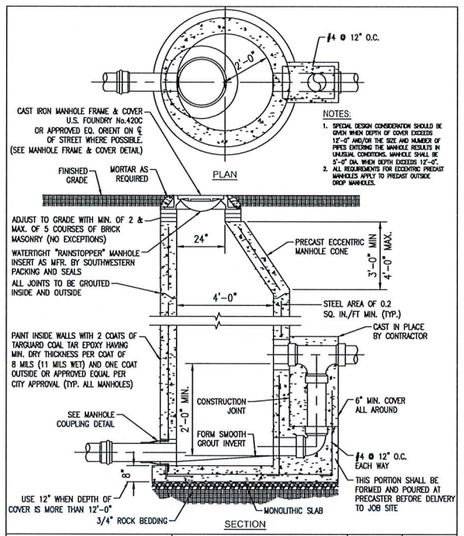
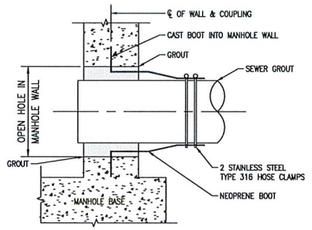


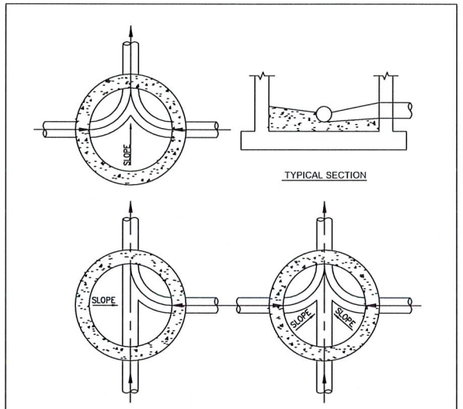
CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD SANITARY SEWER DETAIL	S-2
APPROVED: J.M.	REVISED:	ECCENTRIC PRECAST MANHOLE - 6 FEET AND GREATER	
DATE: 11/05/99	02/06/23		



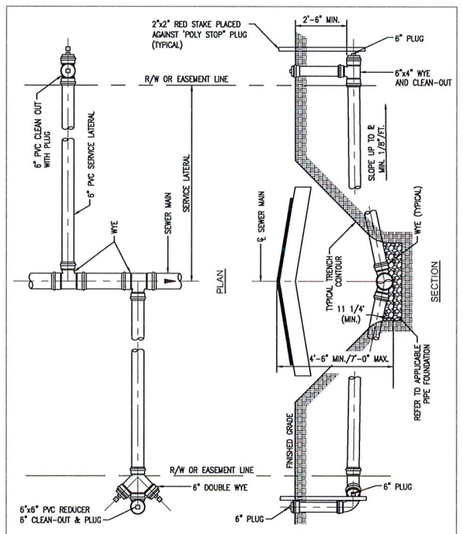
CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD SANITARY SEWER DETAIL	S-3
APPROVED: J.M.	REVISED:	PRECAST OUTSIDE DROP MANHOLE	
DATE: 11/05/99	02/06/23		



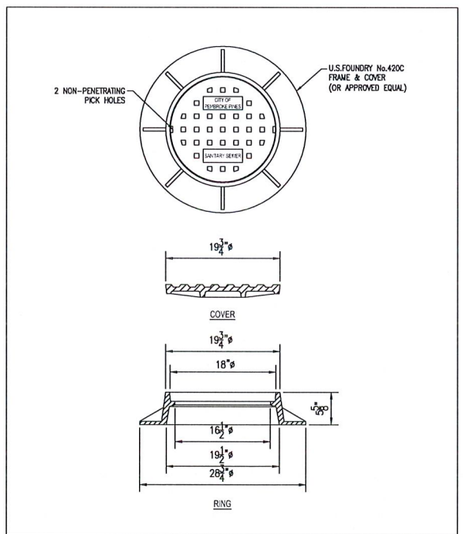
CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD SANITARY SEWER DETAIL	S-5
APPROVED: J.M.	REVISED:	MANHOLE COUPLING	
DATE: 11/05/99			



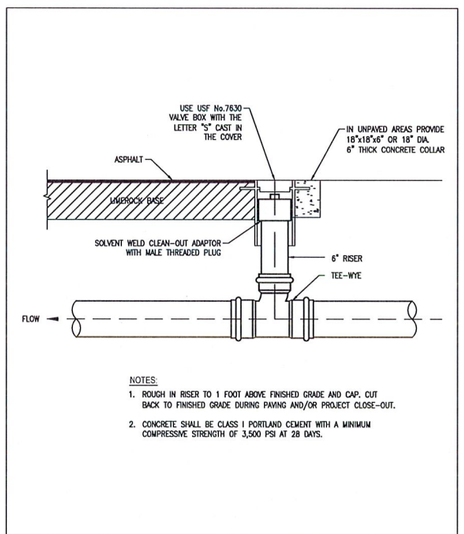
CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD SANITARY SEWER DETAIL	S-6
APPROVED: J.M.	REVISED:	MANHOLE FLOW CHANNELS	
DATE: 11/05/99			



CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD SANITARY SEWER DETAIL	S-7
APPROVED: J.M.	REVISED:	SHALLOW SERVICE LATERAL	
DATE: 11/05/99			



CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD SANITARY SEWER DETAIL	S-9
APPROVED: J.M.	REVISED:	MANHOLE FRAME AND COVER	
DATE: 11/05/99			



CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD SANITARY SEWER DETAIL	S-10
APPROVED: J.M.	REVISED:	CLEAN OUT	
DATE: 11/05/99	10/20/22		

PLANS ARE IN NAVD88 DATUM CONVERSION EQUATION IS BELOW: (NGVD 1929) – 1.594' = (NAVD 1988)

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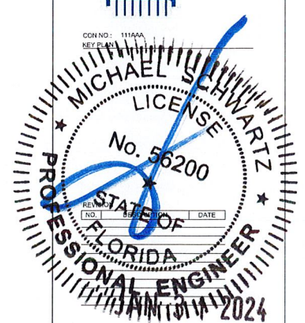

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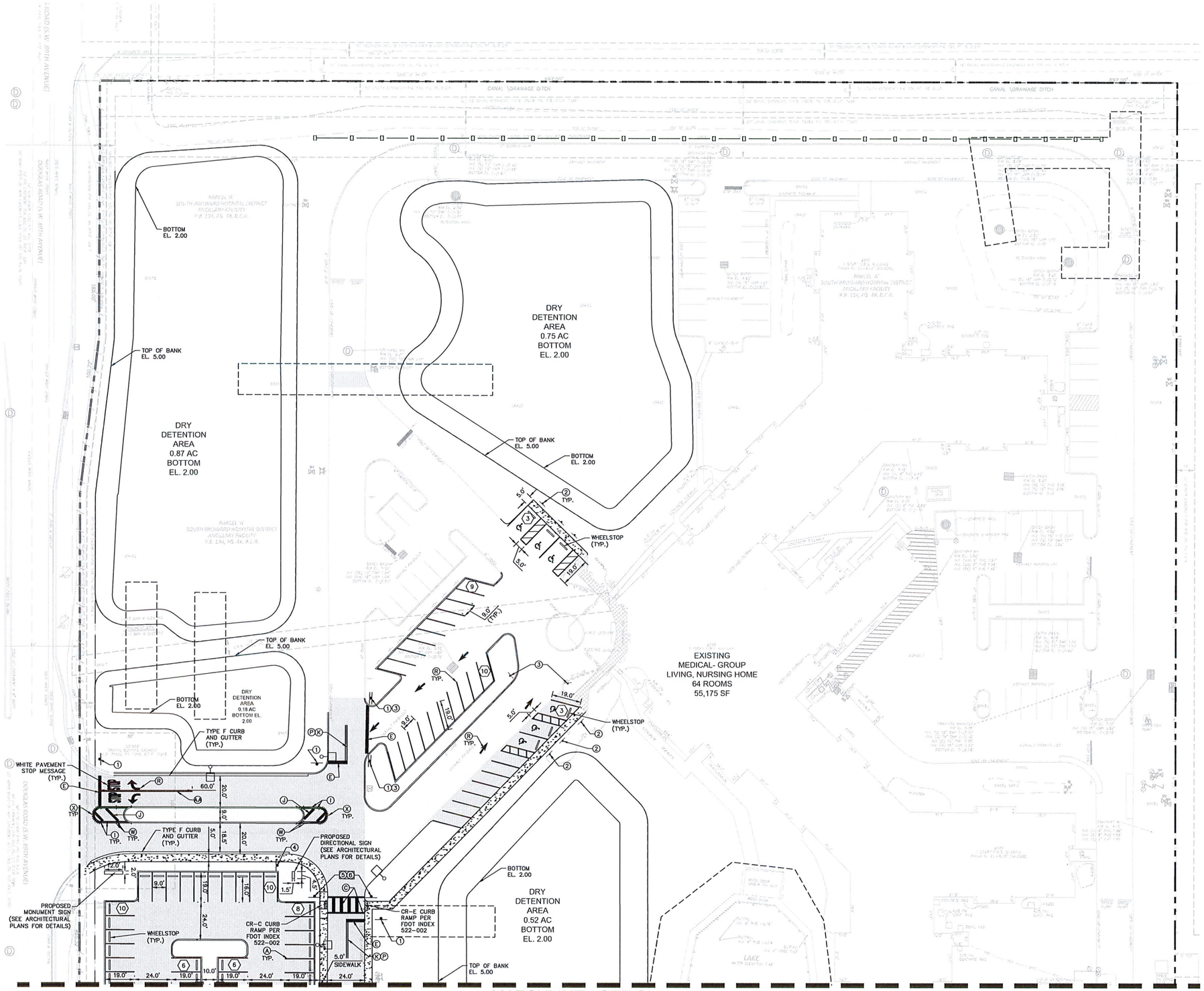


NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND

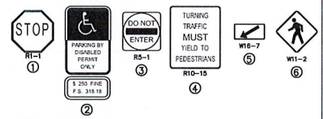
- PROPERTY LINE
- GUARD RAIL
- MILL AND RESURFACE (SEE C3.12 FOR DETAILS)
- PROPOSED HEAVY DUTY CONCRETE
- DETECTABLE WARNING SURFACE
- PROPOSED CONCRETE
- PROPOSED ASPHALT
- (10) PARKING COUNT

KEY NOTE LEGEND

1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC OR REFLECTIVE PAINT.

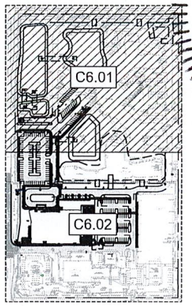
A = 4" SOLID WHITE REFLECTIVE (PAINT)
B = 6" SOLID WHITE @ 5' O.C.
C = SPECIAL EMPHASIS CROSSWALK PER FDOT STANDARD INDEX 711-001
D = 6" SOLID WHITE
E = 24" SOLID WHITE
F = 6" SKIP WHITE TYP (10'-30')
G = 6" SKIP WHITE TYP (6'-10')
H = 6" SKIP WHITE TYP (2'-4')
I = 6" SOLID DOUBLE YELLOW
J = 18" SOLID YELLOW @ 10' O.C.
K = 25 LF OF 6" DOUBLE YELLOW
L = 6" SKIP YELLOW TYP (10'-30')
M = 6" SKIP YELLOW TYP (6'-10')
N = 6" SKIP YELLOW TYP (2'-4')
P = RPM BI-DIRECTIONAL AMBER/AMBER @ 20' O.C. (25 LF TYP.)
R = WHITE DIRECTIONAL ARROW
S = FIRE LANE MARKINGS & SIGNAGE (PER CITY STANDARD R-43)
T = RPM BI-DIRECTIONAL WHITE/RED
U = RPM BI-DIRECTIONAL RED/YELLOW
V = 4" SOLID YELLOW
W = RPM BI-DIRECTIONAL AMBER/AMBER @ 10' O.C.
X = RPM BI-DIRECTIONAL AMBER/AMBER @ 1' O.C.
Z = 8" WHITE EDGE LINES WITH 6" WHITE DIAGONALS @ 5' O.C.
AA = 6" WHITE WITH BI-DIRECTIONAL WHITE/RED RPMS @ 20' O.C.
BB = 12" WHITE
SA = STRIPING ABUTTING TRAFFIC ISLANDS TO BE RESTRIPED PER EXISTING CONDITIONS (TYP.)

SIGN LEGEND:



NOTES

1. ALL PROPOSED VEHICULAR AND PEDESTRIAN TRAFFIC RELATED PAVEMENT MARKINGS AND SIGNAGE MUST COMPLY WITH BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (BCTED) AND MUTCD STANDARDS AS ADOPTED BY THE CITY CODE OF ORDINANCES.
2. ALL PEDESTRIAN CURB RAMPS 5' OUTSIDE AND BEYOND THE PROPOSED BUILDING ENVELOPE SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX – AND SHALL BE ACCURATELY DEPICTED ON THE PLAN AND DESIGNATED BY "CR" TYPE.



KEY MAP
1"=300'

PLANS ARE IN NAVD88 DATUM CONVERSION EQUATION IS BELOW: (NGVD 1929) – 1.594' = (NAVD 1988)

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR DEWATERING AND OBTAINING ALL NECESSARY PERMITS.

CALL 2 WORKING DAYS BEFORE YOU DIG
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811 Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

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MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL. 33021

ARCHITECT
HKS ARCHITECTS, INC
2029 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL. 33134

INTERIOR DESIGN
HKS ARCHITECTS, INC
229 EAST ROBINSON STREET, SUITE 495
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201

MEP ENGINEER
TLC ENGINEERING SOLUTIONS
255 S. ORANGE AVE. STE 1600
ORLANDO, FL 32801

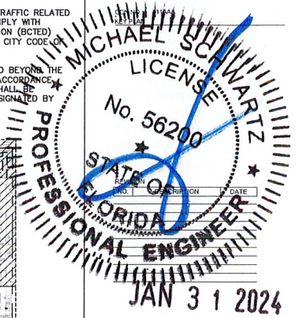
LOW VOLTAGE
SMITH SECKMAN REID, INC.
2995 SIDCO DRIVE
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3300 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410
REGISTRY No. 35166

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT



NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
PAVEMENT MARKING AND SIGNING PLAN
SHEET NO.
C6.01

Plotted By:Martinez, Moises Sheet Set:MEMORIAL MANOR FSED Layout:C6.01 PAVEMENT MARKING AND SIGNING PLAN January 31, 2024 02:05:57pm K:\WPB_DevServices\144767019 – Memorial Manor FSED\CADD\PlanSheets\C6.01 PAVEMENT MARKING AND SIGNING PLAN.dwg
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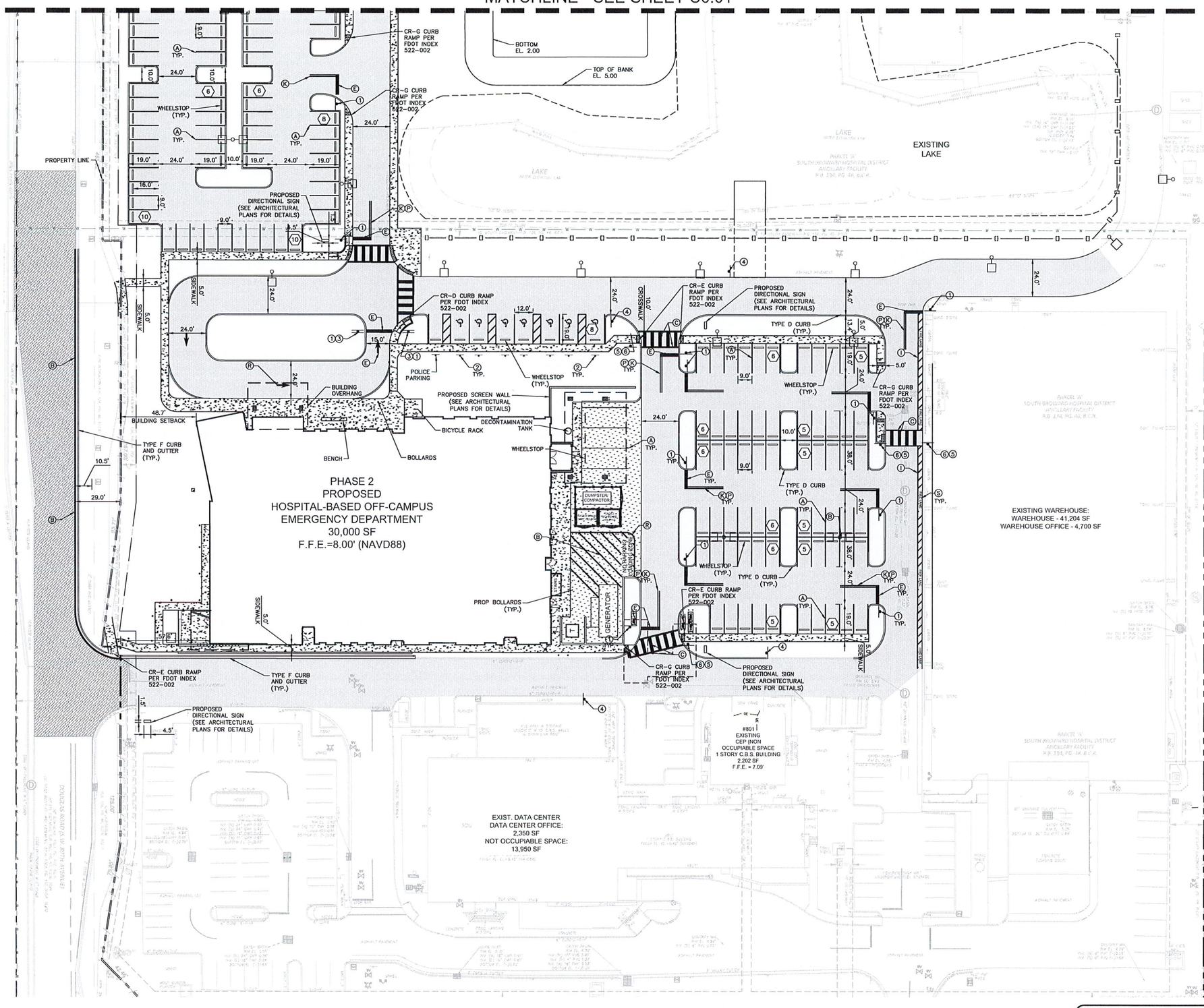
MATCHLINE - SEE SHEET C6.01



NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND

- PROPERTY LINE
- GUARD RAIL
- MILL AND RESURFACE (SEE C3.12 FOR DETAILS)
- PROPOSED HEAVY DUTY CONCRETE
- DETECTABLE WARNING SURFACE
- PROPOSED CONCRETE
- PROPOSED ASPHALT
- (10) PARKING COUNT

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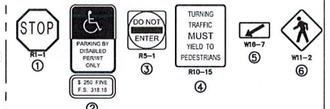

NOTES

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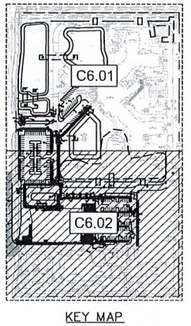

KEY MAP
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STRUCTURAL ENGINEER
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MEP ENGINEER
TLC ENGINEERING SOLUTIONS
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3100 HIGHLANDS PKWY SE, SUITE 295
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WEST PALM BEACH, FL 33411-2410
REGISTRY No. 35105

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

MICHAEL L. SCHWARTZ
LICENSE
No. 56200
STATE OF FLORIDA
PROFESSIONAL ENGINEER
JAN 31 2024

REVISION	DESCRIPTION	DATE

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PAVEMENT MARKING AND SIGNING PLAN
SHEET NO
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Plotted By:Martinez, Moises Sheet Set:MEMORIAL MANOR FSED Layout:C6.10 PAVEMENT MARKING AND SIGNING NOTES AND DETAILS January 31, 2024 02:06:11pm K:\WPB_DevServices\144767019 - Memorial Manor FSED\CADD\PlanSheets\C6.10 PAVEMENT MARKING AND SIGNING DETAILS.dwg
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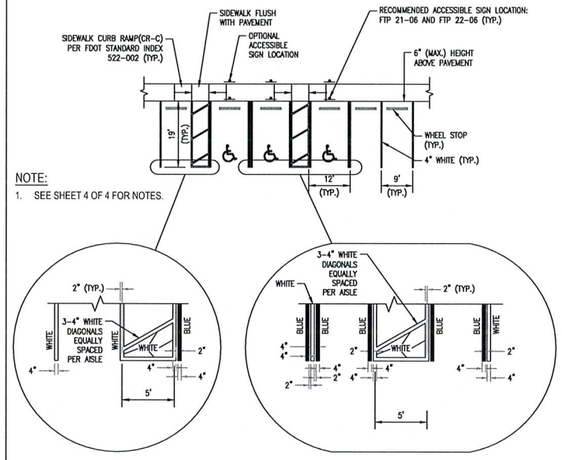
CITY ACCESSIBILITY AND PAVEMENT MARKING & SIGNAGE REQUIREMENTS NOTES:

- ALL PAVEMENT MARKINGS AND SIGNAGE, INCLUDING THE SUPPORT POSTS, SHALL CONFORM TO "BROWARD COUNTY TRAFFIC ENGINEERING DIVISION STANDARDS" (BCTED) AND "THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MTUCD) STANDARDS.
- ALL MARKINGS SHALL BE THERMOPLASTIC MATERIAL MEETING THE BCTED AND FDOT STANDARDS, EXCEPT FOR THE PARKING SPACE MARKINGS WHICH MAY BE REFLECTORIZED PAINT MEETING THE BCTED STANDARDS AND FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) SPECIFICATIONS FOR 'STANDARD PAINT'.
- ALL DOUBLE YELLOW PAVEMENT MARKINGS ASSOCIATED WITH 'STOP BARS' ARE TO HAVE YELLOW/YELLOW RPM's AT 20' O.C.
- REFLECTIVE PAVEMENT MARKERS (RPM's) SHALL BE CLASS 'B' OR EQUIVALENT APPLIED WITH EXPOXY OR BITUMINOUS ADHESIVE PER FDOT'S 'APPROVED PRODUCTS LIST' (APL). PLACEMENT OF RPM's SHALL BE IN ACCORDANCE WITH FDOT 'STANDARD PLANS' INDEX NO. 706-001. PROVIDE THE FOLLOWING REFLECTIVE PAVEMENT MARKERS (RPM's)IN THE CENTER OF THE NEAREST TRAVEL/STREET LANE:
  - BLUE (FIRE HYDRANTS)
  - WHITE (WATER MAIN VALVES IN ADJACENT GREEN/LANDSCAPE AREAS)
  - ORANGE (SEWER MANHOLES IN ADJACENT GREEN/LANDSCAPE AREAS)
  - GREEN (SEWER FORCE MAIN VALVES IN ADJACENT GREEN/LANDSCAPE AREAS)
  - RED (FIRE DEPARTMENT CONNECTION)
- PAVEMENT MARKINGS AND SIGNAGE FOR ALL ACCESSIBLE PARKING SPACES SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) 'STANDARDS PLANS', INDEX NOS. 711-001 AND 700-102 AND LATEST CITY STANDARD DETAIL R-32, 'ACCESSIBLE PARKING SPACE DETAILS'.
- WIDTH MEASUREMENTS OF PARKING SPACES AND ACCESS AISLES SHALL BE MEASURED FROM THE CENTERLINE OF THE WHITE MARKINGS, EXCEPT WHEN PARKING SPACES OR ACCESS AISLES ARE ADJACENT TO A CURB OR EDGE OF PAVEMENT AND NOT ADJACENT TO ANOTHER PARKING SPACE, THEN THE WIDTH MEASUREMENTS MAY INCLUDE THE FULL WIDTH OF THE LAST SPACE MARKING.
- ALL PARKING SPACES MUST HAVE A PAVEMENT MARKING ON EACH SIDE OF EACH SPACE TO IDENTIFY THE LIMITS OF THE SPACE.
- ALL SIDEWALK CURB RAMPS 5' OUTSIDE AND BEYOND THE BUILDING ENVELOPE SHALL BE PER FDOT 'STANDARD PLANS', INDEX NO. 522-002.
- ALL PEDESTRIAN/ACCESSIBLE CROSSINGS SHALL COMPLY WITH FDOT AND MTUCD STANDARDS. 'MID-BLOCK' TYPE PEDESTRIAN/ACCESSIBLE CROSSINGS SHALL BE 10' IN WIDTH AND HAVE "SPECIAL EMPHASIS" PAVEMENT MARKINGS AND PEDESTRIAN/ACCESSIBLE CROSSING SIGNAGE AND PEDESTRIAN/ACCESSIBLE CROSSING ADVANCE WARNING SIGNAGE PER FDOT 'DESIGN MANUAL', SECTION 230/FDOT 'PLANS INDEX' NO. 711-001 AND MUTCD STANDARDS. IF A 'CROSSING' STRICTLY SERVES OR IS DESIGNATED FOR ACCESS TO ACCESSIBLE PARKING SPACES, THE USE OF ACCESSIBLE CROSSING (W11-9) SIGNAGE IS RECOMMENDED IN INSTEAD OF THE TYPICAL PEDESTRIAN CROSSING (W11-2) SIGNAGE. THERMOPLASTIC MATERIAL FOR 'SPECIAL EMPHASIS" PAVEMENT MARKINGS (CROSSWALKS) SHALL BE 'PREFORMED OR HIGH FRICTION THERMOPLASTIC' COMPLYING WITH FDOT 'STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION', SECTION 711.
- ALL ACCESSIBLE PARKING SPACES, ACCESSIBLE PARKING ACCESS AISLES, SIDEWALK CURB RAMPS, ACCESSIBLE ROUTES AND RAMPS MUST BE ADA COMPLIANT PER FLORIDA BUILDING CODE, SIXTH EDITION, 'ACCESSIBILITY'.
- ALL ACCESSIBLE PARKING SPACES, ACCESSIBLE PARKING ACCESS AISLES, SIDEWALK CURB RAMPS, ACCESSIBLE ROUTES AND RAMPS WILL BE FIELD CHECKED AT THE TIME OF FINAL INSPECTION TO CONFIRM COMPLIANCE WITH ADA STANDARDS/REQUIREMENTS, INCLUDING SLOPING. NON-CONFORMING ACCESSIBLE PARKING SPACES, ACCESSIBLE PARKING ACCESS AISLES, ACCESSIBLE ROUTES AND RAMPS WILL BE REQUIRED TO BE CORRECTED FOR ACCEPTANCE OF THE PERMITTED WORK AND CLOSE-OUT OF THE ENGINEERING CONSTRUCTION PERMIT.
- ALL VEHICULAR TRAFFIC/PEDESTRIAN PAVEMENT MARKINGS AND SIGNAGE WITHIN THE PROJECT LIMITS SHALL BE FIELD CHECKED AT THE TIME OF FINAL INSPECTION TO CONFIRM COMPLIANCE WITH BCTED STANDARDS/REQUIREMENTS. ALL NON-CONFORMING PAVEMENT MARKINGS AND SIGNAGE, INCLUDING THE SUPPORT POSTS, WILL BE REQUIRED TO BE REPLACED FOR ACCEPTANCE OF THE PERMITTED WORK AND CLOSE-OUT OF THE ENGINEERING CONSTRUCTION PERMIT.
- A FINAL INSPECTION OF THE COMPLETED SITE ENGINEERING IMPROVEMENTS/WORK MUST BE SCHEDULED THROUGH THE CITY ENVIRONMENTAL SERVICES/ENGINEERING DIVISION FOR ACCEPTANCE OF THE WORK AND CLOSE-OUT OF THE ENGINEERING CONSTRUCTION PERMIT.

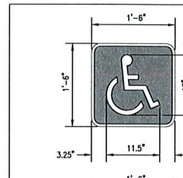
SITE & PAVEMENT MARKINGS NOTES:

1. ALL PAVEMENT MARKINGS AND SIGNAGE SHALL CONFORM TO "BROWARD COUNTY TRAFFIC ENGINEERING DIVISION STANDARDS" (BCTED) AND THE "MANUAL ON UNIFORM CONTROL DEVICES" (MUTCD) STANDARDS.
2. ALL PAVEMENT MARKINGS SHALL BE 6" THERMOPLASTIC MATERIAL MEETING THE BCTED STANDARDS EXCEPT FOR THE PARKING SPACE MARKINGS WHICH MAY BE REFLECTIVE PAINT MEETING THE BCTED STANDARDS.
3. ALL ACCESSIBLE PARKING SPACES, ACCESSIBLE PARKING AISLES, SIDEWALK CURB RAMPS, RAMPS AND ACCESSIBLE ROUTES MUST BE ADA COMPLIANT PER FLORIDA BUILDING CODE, SIXTH EDITION, "ACCESSIBILITY".
4. PAVEMENT MARKINGS AND SIGNAGE FOR ALL ACCESSIBLE PARKING SPACES SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DESIGN STANDARDS INDEX NO. 17346 AND 17355.
5. ALL SIDEWALK CURB RAMPS 5' OUTSIDE AND BEYOND BUILDING ENVELOPE SHALL BE PER FDOT DESIGN STANDARDS INDEX NO. 304.
6. WHERE REQUIRED BY THE AHJ, APPROVED SIGNS, APPROVED ROADWAY SURFACE MARKING, OR OTHER APPROVED NOTICES SHALL BE PROVIDED AMD PROHIBIT THE OBSTRUCTION THEREOF OR BOTH. NFPA1-18.2.3.5.2 FIRE LANE MARKING.
7. FIRE LANES SHALL BE DESIGNATED BY THE YELLOW THERMOPLASTIC PAINT, STRIPING, OR MARKING OF CURBS AND ROADWAY BETWEEN EACH FIRE LANE; SIGN(S) SHALL BE PROVIDED.
8. THE DESIGNATION OF FIRE LANES OR FIRE ZONES ON PRIVATE PROPERTY SHALL BE ACCOMPLISHED AS SPECIFIED BY THE CITY FIRE CHIEF OR A SUBORDINATE APPOINTED BY HIM TO PERFORM THE DUTY. SIGNS SHALL BE POSTED DESIGNATING SUCH FIRE LANES OR ZONES. COPP CO 93.12.
9. A WATER SUPPLY FOR FIRE PROTECTION, EITHER TEMPORARY OR PERMANENT, SHALL BE MADE AVAILABLE AS SOON AS COMBUSTIBLES MATERIAL ACCUMULATE.NFAP 1-16.4.3.1.1.
10. THE FIRE DEPARTMENT CONNECTION SHOULD BE LOCATED NOT LESS THAN 18" OR MORE THAN 4' ABOVE GRADE. PEMBROKE PINES FIRE DEPARTMENT REQUIRES FDC TO BE INSTALLED AT 3' ABOVE GRADE. NFPA 14-6.4.6 (2013)



NOTE:
1. SEE SHEET 4 OF 4 FOR NOTES.

CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD ROAD DETAIL	R-32
APPROVED: K.M.K.	REVISED: 09/09/23	ACCESSIBLE PARKING SPACE DETAILS	SHEET 1 OF 4
DATE: 12/01/18	09/09/20 12/01/18		



FTP-21-06

FTP-22-06

NOTE:
ALL LETTERS ARE 1" SERIES AT 1" SPACING



FTP-20-06

(IF APPROVED BY CITY ENGINEER FOR USE)

FTP-22-06

NOTE:
1. SIZE 3 OR 5 FEET IN HEIGHT AND WHITE IN COLOR.



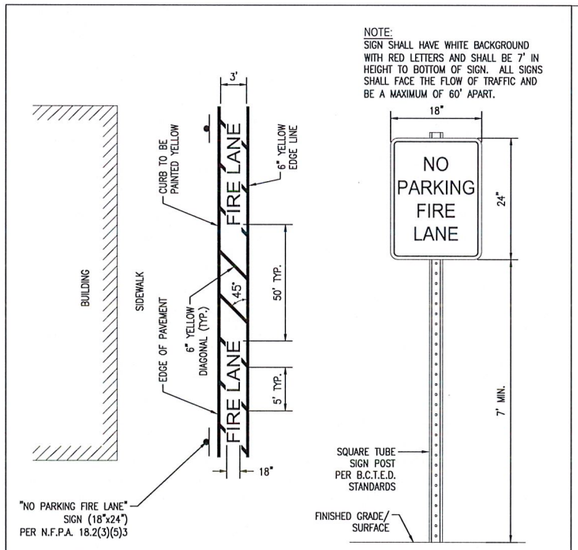
5 S.F.

ACCESSIBLE PAVEMENT SYMBOL

SIGNAGE NOTES:
1. TOP PORTION OF FTP 20-06 & 21-06 SHALL HAVE A REFLECTIVE BLUE BACKGROUND WITH WHITE REFLECTIVE SYMBOL AND BORDER.
2. BOTTOM PORTION SHALL HAVE A REFLECTIVE WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
3. FTP 20-06 IS FOR USE IN AREAS WHERE SPACE IS LIMITED AND REQUIRES PRIOR ENGINEERING APPROVAL FOR USE.
4. ALL SIGNS SHALL BE IN ACCORDANCE WITH FDOT INDEX 17355.
5. SIGN POST SHALL BE IN ACCORDANCE WITH BCTED "GROUND SIGN ASSEMBLY DETAILS", LATEST REVISION.

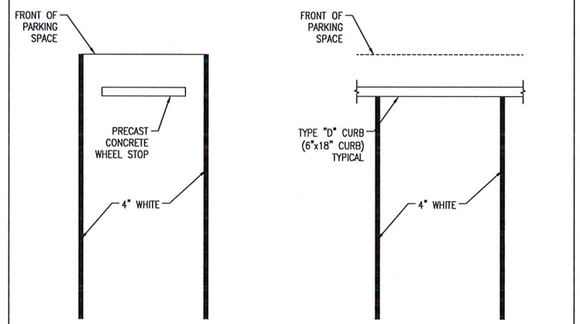
NOTES:
1. PROVIDE ♿ PAVEMENT SYMBOL IN ACCESSIBLE PARKING SPACES. THE SYMBOL SHALL BE WHITE IN COLOR PER ADA STANDARDS.
2. BLUE MARKINGS SHALL BE SHADE 15180 PER FEDERAL STANDARD 5959.
3. SLOPES NO GREATER THAN 1:48 (2.08%) SHALL BE PERMITTED IN ALL DIRECTIONS FOR BOTH THE ACCESSIBLE PARKING SPACE AND ACCESSIBLE PARKING ACCESS AISLE.MINIMUM 1-1/2" COMPACTED FDOT TYPE S-III SP-9.5 ASPHALTIC SURFACE COURSE, PLACED IN TWO LIFTS.
4. ALL RAMPS, SIDEWALK CURB RAMPS AND ACCESSIBLE ROUTES SHALL BE ADA COMPLIANT.
5. WIDTH MEASUREMENTS OF PARKING SPACES AND ACCESS AISLES SHALL BE MADE FROM THE CENTERLINE OF THE WHITE PAVEMENT MARKINGS. HOWEVER, WHEN PARKING SPACES OR ACCESS AISLES ARE ADJACENT TO A CURB OR EDGE OF PAVEMENT AND NOT ADJACENT TO ANOTHER PARKING SPACE OR ACCESS AISLE; THEN THE WIDTH MEASUREMENTS MAY INCLUDE THE FULL WIDTH OF THE LAST PAVEMENT MARKING.
6. ALL ACCESSIBLE ELEMENTS SHALL BE COMPLIANT WITH THE DEPARTMENT OF JUSTICE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE FLORIDA BUILDING CODE SIXTH EDITION FOR "ACCESSIBILITY".
7. ALL PARKING PAVEMENT MARKINGS SHALL BE 4" REFLECTORIZED PAINT MEETING FDOT/BCTED STANDARDS.
8. REFER TO PAGE 3 OF 3 FOR ACCESSIBLE SIGNAGE INFORMATION.

CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD ROAD DETAIL	R-32
APPROVED: K.M.K.	REVISED: 12/01/18	ACCESSIBLE PARKING SPACE DETAILS	SHEET 4 OF 4
DATE: 12/01/18			



NOTES:
1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.
2. SIGN SHALL BE "DIAMOND GRADE" TYPE MEETING BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (B.C.T.E.D.) STANDARDS FOR SIGNS.
3. PRIOR TO REINSTALLATION OF FIRE LANE PAVEMENT MARKINGS IN ASSOCIATION WITH SEALCOATING AND/OR REPAVING OF ANY EXISTING COMMERCIAL, RETAIL, INDUSTRIAL OR OFFICE TYPE PROJECT, "PROJECT SPECIFIC" "FIRE LANE LIMITS" MUST BE DETERMINED BY A FIELD REVIEW OF THE EXISTING PROJECT CONDITIONS BY FIRE PREVENTION BUREAU. ONLY FIRE LANE MARKINGS AND SIGNAGE SHALL BE INSTALLED IN THOSE SITE SPECIFIC LOCATIONS AS FIELD INDENTIFIED BY THE FIRE PREVENTION BUREAU.

CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISON		STANDARD ROAD DETAIL	R-43
APPROVED: K.M.K.	REVISED: 06/26/19	FIRE LANE MARKING AND SIGNAGE	
DATE: 08/29/17			



CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD ROAD DETAIL	R-41
APPROVED: K.M.K.	REVISED:	STANDARD PARKING SPACE	SHEET 1 OF 3
DATE: 05/17/18	05/17/18		

PLANS ARE IN NAVD88 DATUM CONVERSION EQUATION IS BELOW: (NGVD 1929) - 1.594' = (NAVD 1988)

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR DEWATERING AND OBTAINING ALL NECESSARY PERMITS.

CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
811 Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

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HKS

OWNER
MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL 33021

ARCHITECT
HKS ARCHITECTS, INC
2029 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL 33134

INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201

MEP ENGINEER
TLC ENGINEERING SOLUTIONS
255 S. ORANGE AVE. STE 1600
ORLANDO, FL 32801

LOW VOLTAGE
SMITH SECKMAN REID, INC.
2995 SOCO DRIVE,
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3300 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410
REGISTRY No. 35106

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

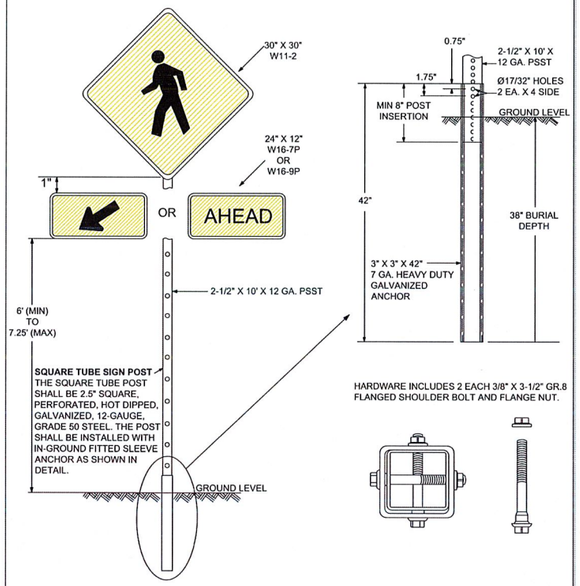
MICHAEL SCHWARTZ
LICENSE
No. 56200
STATE OF FLORIDA
PROFESSIONAL ENGINEER

JAN 31 2024

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
PAVEMENT MARKING AND SIGNING NOTES AND DETAILS
SHEET NUMBER
C6.10

Plotted By:Martinez, Moises Sheet Set:MEMORIAL MANOR FSED Layout:C6.11 PAVEMENT MARKING AND SIGNING NOTES AND DETAILS January 31, 2024 02:06:12pm K:\WPB_DevServices\14476709 – Memorial Manor FSED\CADD\PlanSheets\C6.10 PAVEMENT MARKING AND SIGNING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

W11-2 (30"x 30") & SUPPLEMENTAL (24"x12") SIGN ASSEMBLY



1. SCHOOL ZONE AND PEDESTRIAN SIGNS SHALL BE COMPRISED OF REFLECTIVE FLUORESCENT YELLOW-GREEN SHEETING. (SEE BCTED TECHNICAL POLICY MEMO #TPM-16-001 ON BCTED WEBSITE)
2. NOT FOR USE WITH RECTANGULAR RAPID FLASHING BEACONS

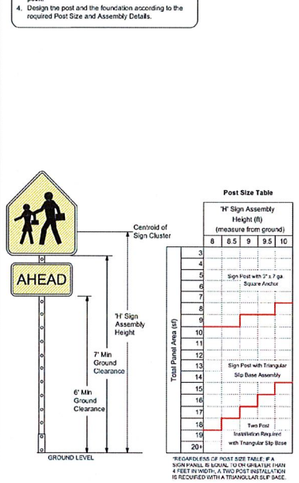
BROWARD COUNTY FLORIDA

PUBLIC WORKS DEPARTMENT
TRAFFIC ENGINEERING DIVISION

W11-2 (30"x 30") & SUPPLEMENTAL (24"x 12") SIGN ASSEMBLY	
REVISION: 11-15-18	SCALE: NTS
	DESIGN BY: YVES D'ANJOU, P.E.
	DRAWN BY: STEPHON RAMOUTAR
SHEET 1 OF 1	CHECKED BY: ANDREW SEBO, P.E., PTOE

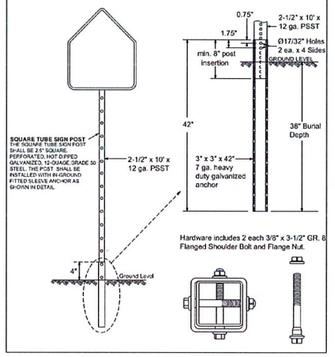
GUIDE TO USE THIS STANDARD:

1. Calculate the Total Panel Area and the centroid 'C' for an individual sign or a sign cluster.
2. Determine the height 'H' from the groundline for the individual sign or the cluster.
3. Consult the Post Size Table and find the intersection point.
4. Design the post and the foundation according to the required Post Size and Assembly Details.

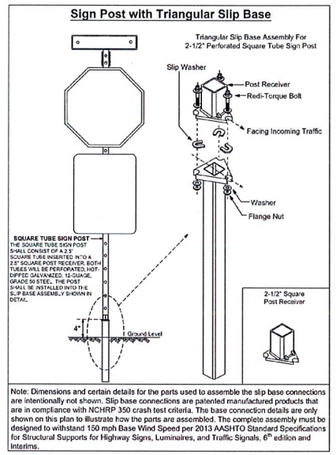


*REGARDLESS OF POST SIZE TABLE: IF A SIGN PANEL IS SQUARE, 12 ON UPRIGHT AND 4 FEET IN WIDTH, A TWO POST INSTALLATION IS REQUIRED WITH A TRIANGULAR SLIP BASE.

Sign Post with 3" x 7 ga. Square Anchor



Sign Post with Triangular Slip Base



Note: Dimensions and certain details for the parts used to assemble the slip base connections are intentionally not shown. Slip base connections are patented manufactured products that are in compliance with NCHRP 350 crash test criteria. The base connection details are only shown on this plan to illustrate how the parts are assembled. The complete assembly must be designed to withstand 150 mph Base Wind Speed per 2013 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 6th edition and interims.

REVISIONS	
DATE	DESCRIPTION
03-21-2017	UPDATED POST SIZE
11-24-2020	ADDED POST SIZE NOTE
02-03-2021	UPDATED POST BASE HEIGHT

BROWARD COUNTY FLORIDA

PUBLIC WORKS DEPARTMENT
TRAFFIC ENGINEERING DIVISION

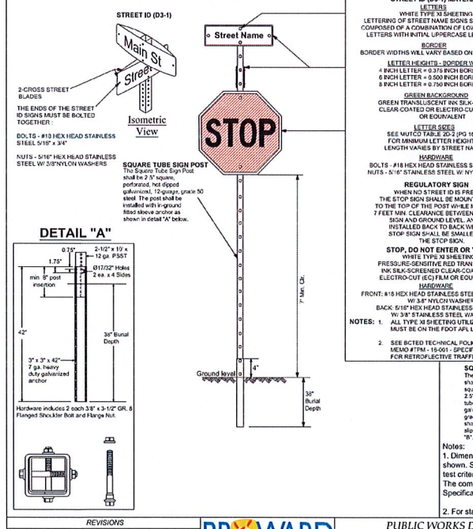
DESIGN BY: YVES D'ANJOU, P.E.	SCALE: NTS
DRAWN BY: STEPHON RAMOUTAR	
CHECKED BY: ANDREW SEBO, P.E., PTOE	

GROUND SIGN ASSEMBLY DETAILS

SHEET NO. 1 OF 1

FOR SIGN ASSEMBLIES WITH MAXIMUM 8.75 SQUARE FOOT PANEL AREA

Typical Details



STREET ID (D3-1) MATERIALS:

LETTERS
WHITE TYPE XI SHEETING
LETTERING OF STREET NAME SIGNS SHALL BE COUPOSED OF A COMBINATION OF LOWERCASE LETTERS WITH INITIAL UPPERCASE LETTERS

BORDER
BORDER WIDTHS WILL VARY BASED ON LETTER HEIGHTS

LETTER HEIGHTS - BORDER WIDTHS
4 INCH LETTER = 0.375 INCH BORDER WIDTH
6 INCH LETTER = 0.500 INCH BORDER WIDTH
8 INCH LETTER = 0.750 INCH BORDER WIDTH

GREEN BACKGROUND
GREEN TRANSLUSCENT INK SILK-SCREENED CLEAR COATED OR ELECTRO CUT (EC) FILM OR EQUIVALENT

LETTER SIZES
SEE MUTCD TABLE 2C-2 (PG 163) FOR MINIMUM LETTER HEIGHTS LENGTH VARIES BY STREET NAME

HARDWARE
BOLTS - #18 HEX HEAD STAINLESS STEEL 5/16" x 3" NUTS - 5/16" STAINLESS STEEL W/ NYLON WASHERS

REGULATORY SIGN
WHEN NO STREET ID IS PRESENT
THE STOP SIGN SHALL BE MOUNTED FLUSH TO THE TOP OF THE POST WHILE MAINTAINING 7 FEET MIN. CLEARANCE BETWEEN BOTTOM OF SIGN AND GROUND LEVEL. ANY SIGN INSTALLED BACK TO BACK WITH THE STOP SIGN SHALL BE SMALLER THAN THE STOP SIGN.

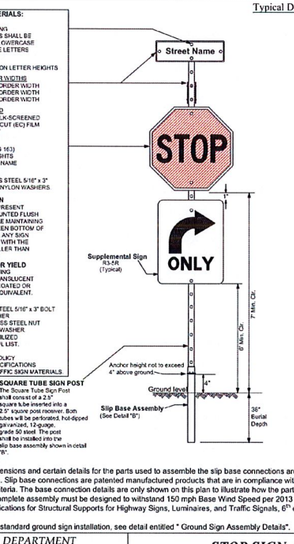
STOP, DO NOT ENTER OR YIELD
WHITE TYPE XI SHEETING
PRESSURE-SENSITIVE RED TRANSLUCENT INK SILK-SCREENED CLEAR-COATED OR ELECTRO-CUT (EC) FILM OR EQUIVALENT.

HARDWARE
FRONT: #18 HEX HEAD STAINLESS STEEL 5/16" x 3" BOLT W/ 3/4" NYLON WASHER
BACK: 5/16" HEX HEAD STAINLESS STEEL NUT W/ 3/8" STAINLESS STEEL WASHER

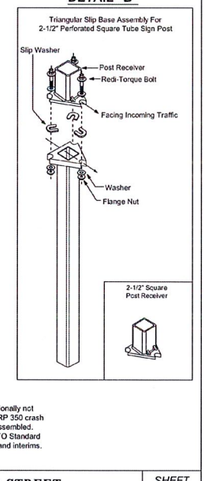
NOTES: 1. ALL TYPE XI SHEETING UTILIZED MUST BE ON THE FDOT APL LIST.
2. SEE BCTED TECHNICAL POLICY MEMO #TPM - 16-001 - SPECIFICATIONS FOR RETROFLECTIVE TRAFFIC SIGN MATERIALS

FOR SIGN ASSEMBLIES WITH GREATER THAN 8.75 SQUARE FOOT PANEL AREA WITH SUPPLEMENTAL SIGN

Typical Details



DETAIL "B"



Notes:
1. Dimensions and certain details for the parts used to assemble the slip base connections are intentionally not shown. Slip-base connections are patented manufactured products that are in compliance with NCHRP 350 crash test criteria. The base connection details are only shown on this plan to illustrate how the parts are assembled. The complete assembly must be designed to withstand 150 mph Base Wind Speed per 2013 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 6th edition and interims.

2. For standard ground sign installation, see detail entitled " Ground Sign Assembly Details".

REVISIONS	
DATE	DESCRIPTION
04-09-2019	UPDATED MATERIAL NOTES
02-28-2020	ADDED ISOMETRIC VIEW
02-05-2021	UPDATED POST BASE HEIGHT

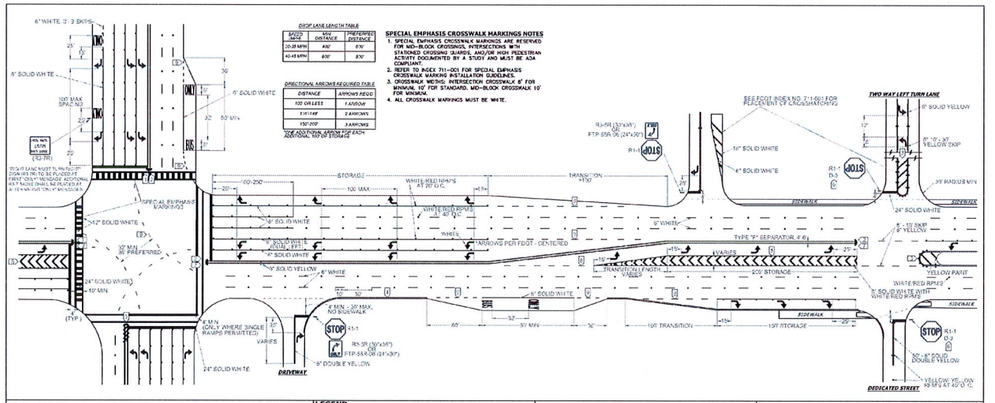
BROWARD COUNTY FLORIDA

PUBLIC WORKS DEPARTMENT
TRAFFIC ENGINEERING DIVISION

DESIGN BY: CARMELO CARATOZZOLO, P.E.	SCALE: NTS
DRAWN BY: STEPHON RAMOUTAR	
CHECKED BY: ANDREW SEBO, P.E., PTOE	

STOP SIGN AND STREET IDENTIFICATION ASSEMBLY TYPICAL DETAILS

SHEET NO. 1 OF 1


6' WHITE 2'-3' SKIPS
8' SOLID WHITE
100' MAX SPACING
22'
72'
(TYP.)
8' SOLID WHITE
50' MIN
32'
36'
50' MIN
100'-250'
STORAGE
WHITE REFLECTORS AT 20' O.C.
TRANSITION
15:1
100' MAX
24" SOLID WHITE
10' MIN
4" SOLID YELLOW
4" WHITE
4" SOLID WHITE
10' MIN
SPECIAL EMPHASIS CROSSWALK MARKINGS
24" SOLID WHITE
4" SOLID YELLOW
4" WHITE
4" SOLID WHITE
10' MIN
(TYP.)
4' MIN - 20' MAX. NO BUSHWALK
4' MIN. ONLY WHERE SINGLE RAMPS PERMITTED
VARIES
24" SOLID WHITE
DRIVEWAY
STOP R1-1
30" X 30"
R3-5R (30"x30")
RTP-5SR-36 (24"x30")
18" DOUBLE YELLOW
TURN LANE LENGTH TABLE
POSTED SPEED | MIN. STORAGE DISTANCE | PREFERRED STORAGE DISTANCE
25-30 MPH | 40' | 80'
35-40 MPH | 40' | 80'
DIRECTIONAL ARROWS REQUIRED TABLE
DISTANCE | ARROWS REQD
100' OR LESS | 1 ARROW
101'-150' | 2 ARROWS
150'-200' | 3 ARROWS
USE ADDITIONAL ARROW FOR EACH ADDITIONAL 100' OF DISTANCE
SPECIAL EMPHASIS CROSSWALK MARKINGS NOTES
1. SPECIAL EMPHASIS CROSSWALK MARKINGS ARE RESERVED FOR MID-BLOCK CROSSWALK INTERSECTIONS WITH SIGNIFICANT PEDESTRIAN VOLUMES OR PEDESTRIAN ACTIVITY DOCUMENTED BY A STUDY AND MUST BE ADA COMPLIANT.
2. REFER TO INDEX 711-001 FOR SPECIAL EMPHASIS CROSSWALK MARKING INSTALLATION GUIDELINES.
3. CROSSWALK WIDTH: INTERSECTION CROSSWALK 8' FOR MINIMUM, 10' FOR STANDARD. MID-BLOCK CROSSWALK 10' FOR MINIMUM.
4. ALL CROSSWALK MARKINGS MUST BE WHITE.
SEE FDOT INDEX NO. 711-001 FOR PLACEMENT OF CROSSWALKS
TWO WAY LEFT TURN LANE
18" SOLID YELLOW
4" SOLID WHITE
R3-5R (30"x36") RTP-5SR-36 (24"x30")
R1-1 (30"x30") D3-1 (30"x30")
39' RADIUS MIN
24" SOLID WHITE
SIDEWALK
8' - 10' WIDE
4" YELLOW
4" SOLID YELLOW
4" WHITE
4" SOLID WHITE
10' MIN
TYPE "A" SEPARATOR, 4' dia
4" SOLID YELLOW
4" WHITE
4" SOLID WHITE
10' MIN

Plotted By:Mortinez, Moises Sheet Set:MEMORIAL MANOR FSED Layout:C7.00 FIRE ACCESS PLAN January 31, 2024 02:06:27pm K:\WPB_DevServices\144767019 - Memorial Manor FSED\CADD\PlanSheets\C7.00 FIRE ACCESS PLAN.dwg
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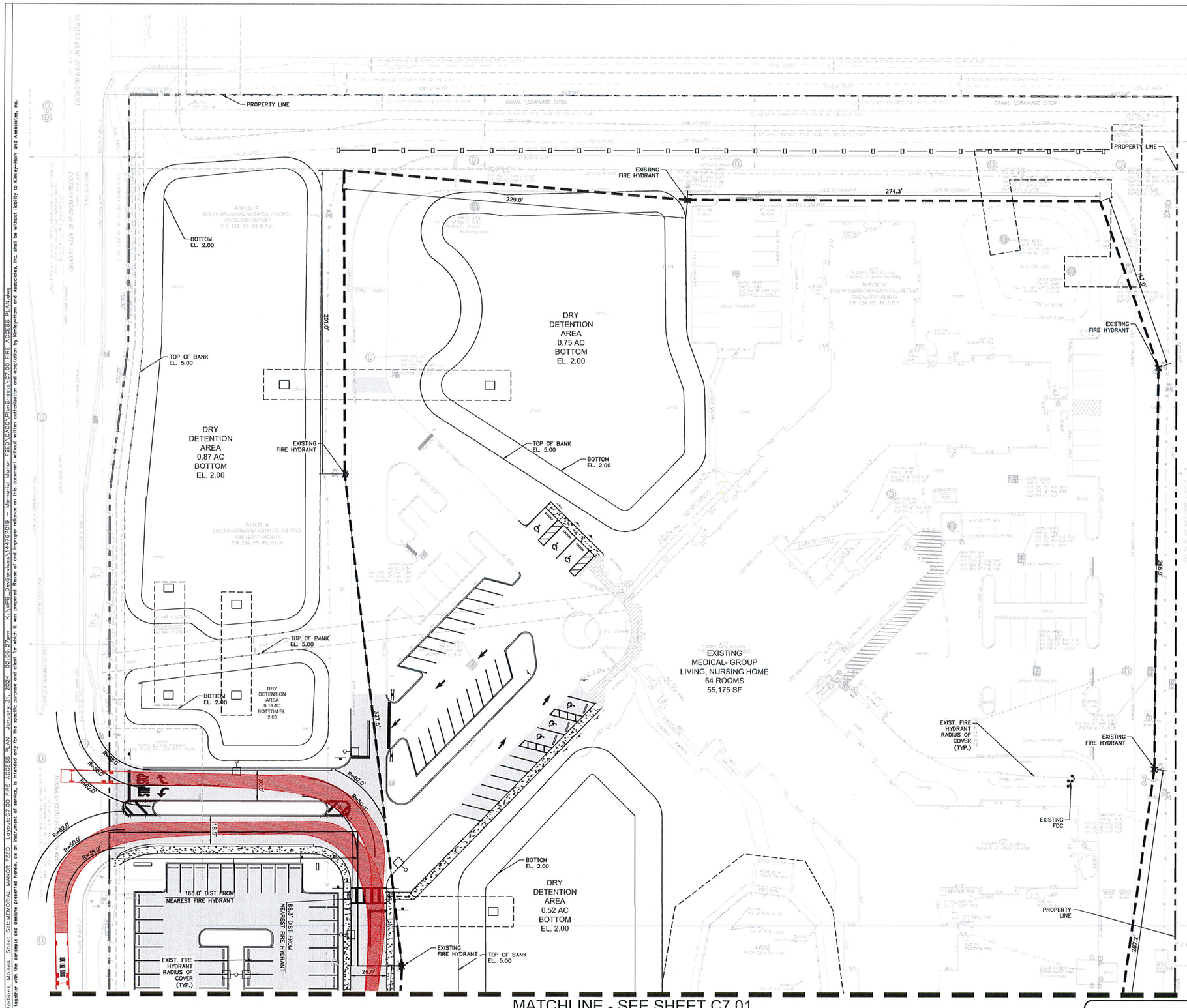
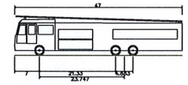




LEGEND

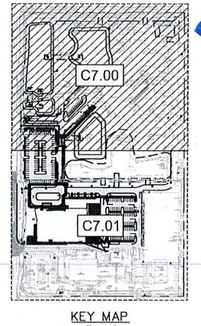
- PROPERTY LINE
- PROPOSED HEAVY DUTY CONCRETE
- DETECTABLE WARNING SURFACE
- PROPOSED CONCRETE
- PROPOSED ASPHALT
- HOSE TRAVEL PATH
- EXISTING FIRE HYDRANT
- EXISTING FIRE HYDRANT



FIRE TRUCK	
Overall Length	47.000ft
Overall Width	8.333ft
Overall Body Height	11.000ft
Min Body Ground Clearance	1.350ft
Track Width	8.000ft
Lock-to-lock time	6.0s
Max Steering Angle (Virtual)	25.70°

SITE & PAVEMENT MARKINGS NOTES:

1. FLORIDA FIRE PREVENTION CODE (FFPC) 7TH EDITION, EFFECTIVE DECEMBER 31, 2020 WITH BROWARD COUNTY AMENDMENTS, WHICH INCLUDES NFPA 101, 2018 EDITION, NFPA 1, 2018 EDITION, & STATE STATUTES, 2017 EDITION (ADOPTED REFERENCED PUBLICATIONS FOUND HEREIN.)
2. ALL PAVEMENT MARKINGS AND SIGNAGE SHALL CONFORM TO "BROWARD COUNTY TRAFFIC ENGINEERING DIVISION STANDARDS" (BCTED) AND THE "MANUAL ON UNIFORM CONTROL DEVICES" (MUTCD) STANDARDS.
3. ALL PAVEMENT MARKINGS SHALL BE 6" THERMOPLASTIC MATERIAL MEETING THE BCTED STANDARDS EXCEPT FOR THE PARKING SPACE MARKINGS WHICH MAY BE REFLECTIVE PAINT MEETING THE BCTED STANDARDS.
4. ALL ACCESSIBLE PARKING SPACES, ACCESSIBLE PARKING AISLES, SIDEWALK CURB RAMPS, RAMPS AND ACCESSIBLE ROUTES MUST BE ADA COMPLIANT PER FLORIDA BUILDING CODE, SIXTH EDITION, "ACCESSIBILITY".
5. PAVEMENT MARKINGS AND SIGNAGE FOR ALL ACCESSIBLE PARKING SPACES SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DESIGN STANDARDS INDEX. NO. 17346 AND 17355.
6. ALL SIDEWALK CURB RAMPS 5' OUTSIDE AND BEYOND BUILDING ENVELOPE SHALL BE PER FDOT DESIGN STANDARDS INDEX NO. 304.
7. WHERE REQUIRED BY THE AHJ, APPROVED SIGNS, APPROVED ROADWAY SURFACE MARKING, OR OTHER APPROVED NOTICES SHALL BE PROVIDED AMD PROHIBIT THE OBSTRUCTION THEREOF OR BOTH. NFPA1-18.2.3.5.2 FIRE LANE MARKING.
8. FIRE LANES SHALL BE DESIGNATED BY THE YELLOW THERMOPLASTIC PAINT, STRIPING, OR MARKING OF CURBS AND ROADWAY BETWEEN EACH FIRE LANE; SIGN(S) SHALL BE PROVIDED.
9. THE DESIGNATION OF FIRE LANES OR FIRE ZONES ON PRIVATE PROPERTY SHALL BE ACCOMPLISHED AS SPECIFIED BY THE CITY FIRE CHIEF OR A SUBORDINATE APPOINTED BY HIM TO PERFORM THE DUTY. SIGNS SHALL BE POSTED DESIGNATING SUCH FIRE LANES OR ZONES. COPP CO 93.12.
10. A WATER SUPPLY FOR FIRE PROTECTION, EITHER TEMPORARY OR PERMANENT, SHALL BE MADE AVAILABLE AS SOON AS COMBUSTIBLES MATERIAL ACCUMULATE.NFAP 1-16.4.3.1.1.
11. THE FIRE DEPARTMENT CONNECTION SHOULD BE LOCATED NOT LESS THAN 18" OR MORE THAN 4' ABOVE GRADE. PEMBROKE PINES FIRE DEPARTMENT REQUIRES FDC TO BE INSTALLED AT 3' ABOVE GRADE. NFPA 14-6.4.6 (2013).
12. APPROVED FIRE DEPARTMENT ACCESS ROADS SHALL BE PROVIDED FOR EVERY FACILITY, BUILDING, OR PORTION OF A BUILDING HEREAFTER CONSTRUCTION OR RELOCATED. NFPA-1:18.2.3.1.1
13. FIRE DEPARTMENT ACCESS ROADS SHALL CONSIST OF ROADWAY, FIRE LANES, PARKING LOT LANES, OR A COMBINATION THEREOF. NFPA-1:18.2.3.1.2
14. FOR THE PURPOSES OF THIS SECTION, A SINGLE EXTERIOR DOOR SHALL BE IN COMPLIANCE WITH BCLCA F-101.2.2(J).
15. WHEN REQUIRED BY THE AHJ, ROADS(S) OR PARKING LOTS PROVIDING ACCESS TO MAIN ENTRANCE DOOR(S) SHALL BE CONSIDERED ACCESS ROADS AND SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 1-18.2.3.4.1.1 AND NFPA 1-18.2.3.4.1.2. NFPA-1:18.2.3.2.1.2.



KEY MAP
1"=300'

PLANS ARE IN NAVD88 DATUM CONVERSION EQUATION IS BELOW: (NGVD 1929) - 1.594' = (NAVD 1988)

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR DEWATERING AND OBTAINING ALL NECESSARY PERMITS.

CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
811 Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

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HKS

OWNER
MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL 33021
ARCHITECT
HKS ARCHITECTS, INC
2020 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL 33134
INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 495
ORLANDO, FL 32801
STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
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TLC ENGINEERING SOLUTIONS
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LOW VOLTAGE
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2295 SOCO DRIVE,
NASHVILLE, TN 37204
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SMITH SECKMAN REID, INC.
3300 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082
CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410
REGISTRY No: 35106

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

CONNO.: 111.00A
KEY PLAN

MICHAEL SCHWARTZ LICENSE No. 56200 STATE OF FLORIDA PROFESSIONAL ENGINEER
JAN 19 2024

NO.	DESCRIPTION	DATE
1		

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
FIRE ACCESS PLAN
SHEET NO.
C7.00

MATCHLINE - SEE SHEET C7.00

PHASE 2
PROPOSED
HOSPITAL-BASED OFF-CAMPUS
EMERGENCY DEPARTMENT
30,000 SF
F.F.E.=8.00' (NAVD88)

EXISTING WAREHOUSE:
WAREHOUSE - 41,204 SF
WAREHOUSE OFFICE - 4,700 SF

EXIST, DATA CENTER
DATA CENTER OFFICE:
2,350 SF
NOT OCCUPIABLE SPACE:
13,950 SF

7.6' DISTANCE/
FROM EXIST. FDC
#801
EXISTING
CEF (NON
OCCUPIABLE SPACE
1 STORY C.B.S. BUILDING
2,202 SF
F.F.E. = 7.09'

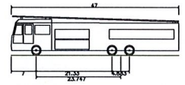
PROPERTY LINE
EXISTING LAKE
BOTTOM EL. 2.00
TOP OF BANK EL. 5.00
EXISTING FIRE HYDRANT
FIRE DEPARTMENT ACCESS ROAD
KNOX BOX LOCATION AND EXTERIOR DOOR LOCATION
EXISTING FDC
PROPOSED FDC
PROPOSED DDCV
FIRE ROOM
DUMPSTER/ COMPACTOR
GENERATOR
EXISTING FIRE HYDRANT
EXIST. FIRE HYDRANT RADIUS OF COVER (TYP.)

GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

LEGEND

- PROPERTY LINE
- PROPOSED HEAVY DUTY CONCRETE
- DETECTABLE WARNING SURFACE
- PROPOSED CONCRETE
- PROPOSED ASPHALT
- HOSE TRAVEL PATH
- EXISTING FIRE HYDRANT
- EXISTING FIRE HYDRANT



FIRE TRUCK	
Overall Length	47.000ft
Overall Width	8.333ft
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Min Body Ground Clearance	1.500ft
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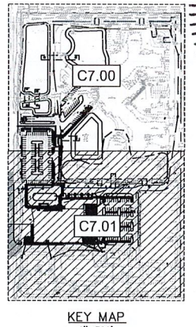
Max Steering Angle (Virtual)	25.70°

SITE & PAVEMENT MARKINGS NOTES:

1. FLORIDA FIRE PREVENTION CODE (FFPC) 7TH EDITION, EFFECTIVE DECEMBER 31, 2020 WITH BROWARD COUNTY AMENDMENTS, WHICH INCLUDES NFPA 101, 2018 EDITION, NFPA 1, 2018 EDITION, & STATE STATUTES, 2017 EDITION (ADOPTED REFERENCED PUBLICATIONS FOUND HEREIN.)
2. ALL PAVEMENT MARKINGS AND SIGNAGE SHALL CONFORM TO "BROWARD COUNTY TRAFFIC ENGINEERING DIVISION STANDARDS" (BCTED) AND THE "MANUAL ON UNIFORM CONTROL DEVICES" (MUTCD) STANDARDS.
3. ALL PAVEMENT MARKINGS SHALL BE 6" THERMOPLASTIC MATERIAL MEETING THE BCTED STANDARDS EXCEPT FOR THE PARKING SPACE MARKINGS WHICH MAY BE REFLECTIVE PAINT MEETING THE BCTED STANDARDS.
4. ALL ACCESSIBLE PARKING SPACES, ACCESSIBLE PARKING AISLES, SIDEWALK CURB RAMPS, RAMPS AND ACCESSIBLE ROUTES MUST BE ADA COMPLIANT PER FLORIDA BUILDING CODE, SIXTH EDITION, "ACCESSIBILITY".
5. PAVEMENT MARKINGS AND SIGNAGE FOR ALL ACCESSIBLE PARKING SPACES SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DESIGN STANDARDS INDEX. NO. 17346 AND 17355.
6. ALL SIDEWALK CURB RAMPS 5' OUTSIDE AND BEYOND BUILDING ENVELOPE SHALL BE PER FDOT DESIGN STANDARDS INDEX NO. 304.
7. WHERE REQUIRED BY THE AHJ, APPROVED SIGNS, APPROVED ROADWAY SURFACE MARKING, OR OTHER APPROVED NOTICES SHALL BE PROVIDED AND PROHIBIT THE OBSTRUCTION THEREOF OR BOTH. NFPA1-18.2.3.5.2 FIRE LANE MARKING.
8. FIRE LANES SHALL BE DESIGNATED BY THE YELLOW THERMOPLASTIC PAINT, STRIPING, OR MARKING OF CURBS AND ROADWAY BETWEEN EACH FIRE LANE; SIGN(S) SHALL BE PROVIDED.
9. THE DESIGNATION OF FIRE LANES OR FIRE ZONES ON PRIVATE PROPERTY SHALL BE ACCOMPLISHED AS SPECIFIED BY THE CITY FIRE CHIEF OR A SUBORDINATE APPOINTED BY HIM TO PERFORM THE DUTY. SIGNS SHALL BE POSTED DESIGNATING SUCH FIRE LANES OR ZONES. COPP CO 93.12.
10. A WATER SUPPLY FOR FIRE PROTECTION, EITHER TEMPORARY OR PERMANENT, SHALL BE MADE AVAILABLE AS SOON AS COMBUSTIBLES MATERIAL ACCUMULATE.NFAP 1-16.4.3.1.1.
11. THE FIRE DEPARTMENT CONNECTION SHOULD BE LOCATED NOT LESS THAN 18" OR MORE THAN 4' ABOVE GRADE. PEMBROKE PINES FIRE DEPARTMENT REQUIRES FDC TO BE INSTALLED AT 3' ABOVE GRADE. NFPA 14-6.4.6 (2013).
12. APPROVED FIRE DEPARTMENT ACCESS ROADS SHALL BE PROVIDED FOR EVERY FACILITY, BUILDING, OR PORTION OF A BUILDING HEREAFTER CONSTRUCTION OR RELOCATED. NFPA-1:18.2.3.1.1
13. FIRE DEPARTMENT ACCESS ROADS SHALL CONSIST OF ROADWAY, FIRE LANES, PARKING LOT LANES, OR A COMBINATION THEREOF. NFPA-1:18.2.3.1.2
14. FOR THE PURPOSES OF THIS SECTION, A SINGLE EXTERIOR DOOR SHALL BE IN COMPLIANCE WITH BCLCA F-101.2.2(2).
15. WHEN REQUIRED BY THE AHJ, ROADS(S) OR PARKING LOT(S) PROVIDING ACCESS TO MAIN ENTRANCE DOOR(S) SHALL BE CONSIDERED ACCESS ROADS AND SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 1-18.2.3.4.1.1 AND NFPA 1-18.2.3.4.1.2. NFPA-1:18.2.3.2.1.2.



KEY MAP
1"=300'

PLANS ARE IN NAVD88 DATUM
CONVERSION EQUATION IS BELOW:
(NGVD 1929) - 1.594' = (NAVD 1988)

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR DEWATERING AND OBTAINING ALL NECESSARY PERMITS.

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MEMORIAL HEALTHCARE SYSTEM
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HOLLYWOOD, FL. 33021

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HKS ARCHITECTS, INC
2029 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL. 33134

INTERIOR DESIGN
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225 EAST ROBINSON STREET, SUITE 495
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201

MEP ENGINEER
TLC ENGINEERING SOLUTIONS
255 S. ORANGE AVE. STE 1690
ORLANDO, FL 32801

LOW VOLTAGE
SMITH SECKMAN REID, INC.
2995 SIDCO DRIVE.
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3309 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410
REGISTRY No. 35106

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

MICHAEL J. SCHWARTZ
LICENSE
No. 56200
STATE OF FLORIDA
PROFESSIONAL ENGINEER

NO.	DESCRIPTION	DATE

JAN 31 2024

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
FIRE ACCESS PLAN
SHEET NO.
C7.01

Plotted By:Martinez, Moises Sheet Set:MEMORIAL MANOR FSED Layout:C7.01 FIRE ACCESS PLAN January 31, 2024 02:06:29pm K:\WPB_DevServices\144767019 - Memorial Manor FSED\CAD\PlanSheets\C7.00 FIRE ACCESS PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Martinez, Moises Sheet Set:MEMORIAL MANOR FSED Layout:C7.10 January 31, 2024 02:06:36pm K:\WPB_DevServices\144767019 - Memorial Manor FSED\CADD\PlanSheets\C7.10 FIRE ACCESS NOTES.dwg
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FIRE NOTES

1. REVIEW AND APPROVAL BY THE AHJ SHALL NOT RELIEVE THE APPLICANT OF THE RESPONSIBILITY OF COMPLIANCE WITH THIS CODE PER NFPA 1:1.14.4
2. WHEN REQUIRED BY THE AHJ, ROADS(S) OR PARKING LOTS PROVIDING ACCESS TO MAIN ENTRANCE DOOR(S) SHALL BE CONSIDERED ACCESS ROADS AND SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 1–18.2.3.4.1.1 AND NFPA 1–18.2.3.4.1.2
3. MULTIPLE ACCESS ROADS. MORE THAN ONE FIRE DEPARTMENT ACCESS ROAD SHALL BE PROVIDED WHEN IT IS DETERMINED BY AHJ THAT ACCESS BY A SINGLE ROAD COULD BE IMPAIRED BY VEHICLE CONGESTION, CONDITION OF TERRAIN, CLIMATIC CONDITIONS, OR OTHER FACTORS THAT COULD LIMIT ACCESS.
4. FIRE CODES IN EFFECT: FLORIDA FIRE PREVENTION CODE (FFPC) 7TH EDITION, EFFECTIVE DECEMBER 31, 2020 WITH BROWARD COUNT AMENDMENTS, WHICH INCLUDES NFPA 101, 2018 EDITION, NFPA 1, 2018 EDITION, & STATE STATUES, 2017 EDITION (ADOPTED REFERENCED PUBLICATIONS FOUND HEREIN.)
5. A FLORIDA CERTIFIED SPRINKLER CONTRACTOR SHALL PULL PERMITS AND BEGIN WORK FROM THE POINT OF SERVICE. FAC 69A–46.040 (2)
6. THE FULL FLOW TEST OF THE BACKFLOW PREVENTION VALVE CAN BE PERFORMED WITH A TEST HEADER OR OTHER CONNECTION DOWNSTREAM OF THE VALVE. A BYPASS AROUND THE CHECK VALVE IN THE FIRE DEPARTMENT CONNECTOR LINE WITH A CONTROL VALVE IN THE NORMALLY CLOSED POSITION CAN BE AN ACCEPTABLE ARRANGEMENT. WHEN FLOW TO A VISIBLE DRAIN CANNOT NOT BE ACCOMPLISHED, CLOSED LOOP FLOW CAN BE ACCEPTABLE IF A FLOWMETER OR SITE GLASS IS INCORPORATED INTO THE SYSTEM TO ENSURE FLOW. A.8.17.4.6.1
7. APPROVED FIRE DEPARTMENT ACCESS ROADS SHALL BE PROVIDED FOR EVERY FACILITY, BUILDING, OR PORTION OF A BUILDING HEREAFTER CONSTRUCTION OR RELOCATED. NFPA 1:18.2.3.1.1
8. FIRE DEPARTMENT ACCESS ROADS SHALL CONSIST OF ROADWAY, FIRE LANES, PARKING LOT LANES, OR A COMBINATION THEREOF. NFPA–1:18.2.3.1.2
9. FIRE LANES SHALL BE PROVIDED FOR ALL BUILDINGS WHICH ARE A SETBACK OF MORE THAN 150' FROM A PUBLIC ROADWAY, OR WHICH EXCEED 30' IN HEIGHT AND ARE SETBACK OVER 50' FROM A PUBLIC ROAD. FIRE LANES SHALL BE AT LEAST 20 FEET IN WIDTH WITH ROAD EDGE CLOSEST TO THE BUILDING AT LEAST TEN FEET FROM THE BUILDING. COPP CO 93.11 (B)
10. A FIRE DEPARTMENT ACCESS ROAD SHALL EXTEND TO WITHIN 50 FT. OF A SINGLE EXTERIOR DOOR THAT CAN BE OPENED FROM THE OUTSIDE AND THAT PROVIDES ACCESS TO THE INTERIOR OF THE BUILDING. NFPA–1:18.2.3.2.1
    NOTE: FOR THE PURPOSES OF THIS SECTION, A SINGLE EXTERIOR DOOR SHALL BE IN COMPLIANCE WITH BCLCA F–101.2.2(J).
11. WHEN REQUIRED BY THE AHJ, ROADS(S) OR PARKING LOTS PROVIDING ACCESS TO MAIN ENTRANCE DOOR(S) SHALL BE CONSIDERED ACCESS ROADS AND SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 1–18.2.3.4.1.1 AND NFPA 1–18.2.3.4.1.2. NFPA–1:18.2.3.2.1.2
12. FIRE DEPARTMENT ACCESS ROADS SHALL BE PROVIDED SUCH THAT ANY PORTION OF THE FACILITY OR ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY OF THE BUILDING IS LOCATED NOT MORE THAN 150 FT. (450 FT. FOR SPRINKLERED BUILDINGS) FROM FIRE DEPARTMENT ACCESS ROADS AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OR THE BUILDING OR FACILITY. NFPA–1:18.2.3.2.2 AND NFPA–1:18.2.3.2.2.1
13. MORE THAN ONE FIRE DEPARTMENT ACCESS ROAD SHALL BE PROVIDED WHEN IT IS DETERMINED BY THE AHJ THAT ACCESS BY A SINGLE ROAD COULD BE IMPAIRED BY VEHICLE CONGESTION, CONDITION OF TERRAIN, CLIMATIC CONDITIONS, OR OTHER FACTORS THAT COULD LIMIT ACCESS. NFPA–1:18.2.3.3
14. FIRE DEPARTMENT ACCESS ROADS FOR FIRE DEPARTMENT USE ONLY SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 20FT. NFPA–1:18.2.3.4.1.1
    NOTE: THE MINIMUM 20FT. WIDTH REQUIRED BY NFPA–1:18.2.3.4.1.1 ALLOWS FOR TWO–WAY VEHICULAR TRAFFIC AND FOR ONE FIRE APPARATUS TO PASS WHILE ANOTHER IS WORKING AT A FIRE HYDRANT OR CONDUCTING AERIAL OPERATIONS.
15. DRIVING LANES SHALL HAVE A MINIMUM CLEAR WIDTH OF 24 FEET FOR TWO–WAY TRAFFIC, 15 FEET FOR ONE–WAY TRAFFIC. COPP CO 154.35 (5) NOTE: FIRE DEPARTMENT ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED WIDTH ON NOT LESS THAN 20FT. NFPA–1:18.2.3.4.1.1
16. FIRE ACCESS ROADS SHALL BE A MINIMUM CENTERLINE TURNING RADIUS OF 50'. SHOW MIN. 38' INSIDE RADIUS AND MIN 62' OUTSIDE RADIUS THROUGHOUT AREA. SHOW A SHADED TRUCK ROUTE INCLUDING ENTERING AND LEAVING THE SITE WITH THE ABOVE TURNING RADIUS NUMERALS ON PLANS SHOWN THROUGHOUT. COPP ENGINEERING DEPARTMENT VERIFICATION IS REQUIRED
    NOTE: 'ALL CENTERLINE TURNING RADII MUST BE A MINIMUM 50 FEET.' COPP CO 154.35 (3)
    NOTE: A SEPARATE SHEET MUST BE PROVIDED WHEN THE PLANS ARE SUBMITTED DEMONSTRATING THE FIRE APPARATUS ABILITY TO MANEUVER THROUGHOUT THE FIRE ACCESS ROAD USING THE FIRE APPARATUS SPECIFICATIONS PROVIDED.
17. THE REQUIRED WIDTH OF A FIRE DEPARTMENT ACCESS ROAD SHALL NOT BE OBSTRUCTED IN ANY MANNER, INCLUDING BY THE PARKING OF VEHICLES. NFPA–1:18.2.4.1.1
18. FIRE DEPARTMENT ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED VERTICAL CLEARANCE OF NOT LESS THAN 13FT. 6IN. NFPA–1:18.2.3.4.1.2
19. THERE SHALL BE A 14' MINIMUM WIDTH AT LEVEL 6' TO 8' FROM ROADWAY TO ACCOMMODATE VEHICLE MIRRORS WHERE APPLICABLE.
20. MINIMUM REQUIRED WIDTHS AND CLEARANCES ESTABLISHED UNDER 18.2.3.4 SHALL BE MAINTAINED AT ALL TIMES. NFPA 1–18.2.4.1.2.
21. PERMANENT, WEATHERPROOF SIGNAGE WILL BE REQUIRED FOR FIRE TRUCK ACCESS ROUTES. VERTICAL CLEARANCES OR WIDTHS SHALL BE INCREASED WHEN VERTICAL CLEARANCES OR WIDTHS ARE NOT ADEQUATE TO ACCOMMODATE FIRE APPARATUS. NFPA–1:18.2.3.4.1.2.2
22. FIRE DEPARTMENT ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS (WEIGHTING A MINIMUM OF 32 TONS) AND SHALL BE PROVIDED WITH AN ALL–WEATHER DRIVING SURFACE. NFPA–1:18.2.3.4.2
    NOTE: ROADS DURING CONSTRUCTION. HARD COMPACTED SURFACE SUPPORTING 32 TONS SHALL BE PROVIDED ON ROADS FOR FIRE RESCUE VEHICLES TO ACCESS OF BUILDINGS UNDER CONSTRUCTION.
23. THE ANGLE OF APPROACH AND DEPARTURE FOR ANY MEANS OF THE FIRE DEPARTMENT ACCESS ROAD SHALL NOT EXCEED 1 FT DROP IN 20 FT OR DESIGN LIMITATIONS OF THE FIRE APPARATUS OF THE FIRE DEPARTMENT, AND SHALL BE SUBJECT TO APPROVAL BY THE AHJ. NFPA–1:18.2.3.4.6.2
24. FIRE DEPARTMENT ACCESS ROADS CONNECTING TO ROADWAYS SHALL BE PROVIDED WITH CURB CUTS EXTENDING AT LEAST 2 FT BEYOND EACH OF THE FIRE LANE. NFPA–1:18.2.3.4.6.3
25. THE DESIGN AND USE IF TRAFFIC CALMING DEVICES SHALL REQUIRE APPROVAL BY THE AHJ AND COPP ENGINEERING DEPARTMENT. NFPA–1:18.2.3.4.7
26. WHERE REQUIRED BY THE AHJ, APPROVED SIGNS, APPROVED ROADWAY SURFACE MARKING, OR OTHER APPROVED NOTICES SHALL BE PROVIDED AND PROHIBIT THE OBSTRUCTION THEREOF OR BOTH. NFPA–1:18.2.3.5.1
27. THE DESIGNATION OF FIRE LANES OR FIRE ZONES ON PRIVATE PROPERTY SHALL BE ACCOMPLISHED AS SPECIFIED BY THE CITY FIRE CHIEF OR A SUBORDINATE APPOINTED BY HIM TO PERFORM THIS DUTY. SIGNS SHALL BE POSTED DESIGNATING SUCH FIRE LANES OR ZONES. COPP CO 93.12
28. FIRE LANES SHALL BE DESIGNATED BY YELLOW THERMOPLASTIC PAINT, STRIPING, OR MARKING OF CURBS AND ROADWAY BETWEEN EACH FIRE LANE; SIGN(S) SHALL BE PROVIDED. SEE FIRE LANE DETAIL.
29. FIRE LANE SIGN(S) SHALL BE 18' BY 24', SHALL BE MARKED WITH FREESTANDING SIGNS WITH THE WORDING 'NO PARKING FIRE LANE BY ORDER OF THE FIRE DEPARTMENT' OR SIMILAR WORDING. SUCH SIGNS SHALL BE 12 IN BY 18 IN WITH WHITE BACKGROUND AND RED LETTERS AND SHALL BE A MAXIMUM OF SEVEN FEET IN HEIGHT FROM THE ROADWAY TO BE THE BOTTOM PART OF THE SIGN. THE SIGNS SHALL BE WITHIN SIGHT OF THE TRAFFIC FLOW AND BE A MAXIMUM OF 60 FEET APART. NFPA–1:18.2.3.5.3
30. A WATER SUPPLY FOR FIRE PROTECTION, EITHER TEMPORARY OR PERMANENT, SHALL BE MADE AVAILABLE AS SOON AS COMBUSTIBLES MATERIAL ACCUMULATES. NFPA–1:16.4.3.1.1
31. WHERE UNDERGROUND WATER MAINS AND HYDRANTS ARE TO BE PROVIDED, THEY SHALL BE INSTALLED, COMPLETED, AND IN SERVICE PRIOR TO COMMENCING CONSTRUCTION WORK ON ANY STRUCTURE. NFPA–1:16.4.3.1.3
    NOTE: IT IS NOT INTENDED TO PROHIBIT THE CONSTRUCTION OF NONCOMBUSTIBLE STRUCTURE FOUNDATION ELEMENTS, SUCH AS FOUNDATIONS AND FOOTINGS, PRIOR TOTHE COMPLETION OF UNDERGROUND WATER MAINS AND HYDRANTS. NFPA–1:A.16.4.3.1.3
32. PLACE NOTE ON PLANS: AN APPROVED WATER SUPPLY CAPABLE OF SUPPLYING THE REQUIRED FIRE FLOW FOR FIRE PROTECTION SHALL BE PROVIDED TO ALL PREMISES UPON WHICH FACILITIES, BUILDINGS, OR PORTIONS OF BUILDING ARE HEREAFTER CONSTRUCTED OR MOVED INTO THE JURISDICTION. THE APPROVED WATER SUPPLY SHALL BE IN ACCORDANCE WITH SECTION 18.4 FIRE FLOW REQUIREMENTS FOR BUILDINGS. NFPA–1:18.3.1. FIRE FLOW CALCULATIONS FOR MANUAL FIRE SUPPRESSION PURPOSES ARE REQUIRED TO BE PROVIDED IN ACCORDANCE WITH NFPA–1:18.4.
    NOTE: FIRE FLOW CALCULATIONS MUST BE PROVIDED ON SEPARATE SHEETS PRIOR TO APPROVAL ON ENGINEERING PERMITS. FIRE FLOWS MUST BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER.
    NOTE: THE FIRE FLOW TEST MUST BE WITNESSED BY A PEMBROKE PINES FIRE INSPECTOR. PLEASE CALL (954) 499–9560 TO COORDINATE A TEST DATE AND TIME.
33. THE NUMBER AND TYPE OF FIRE HYDRANT AND CONNECTIONS TO OTHER APPROVED WATER SUPPLIES SHALL BE CAPABLE OF DELIVERING THE REQUIRED FIRE FLOW AND SHALL BE PROVIDED AT APPROVED LOCATIONS. NFPA–1:18.5.1
    NOTE: PLEASE DEPICT ALL NEW AND EXISTING FIRE HYDRANTS, FIRE DEPARTMENT CONNECTIONS (FDC), AND FIRE LINE BACKFLOW DEVICES
    NOTE: FIRE HYDRANTS AND CONNECTIONS TO OTHER APPROVED WATER SUPPLIES SHALL BE ACCESSIBLE TO THE FIRE DEPARTMENT.
34. FIRE HYDRANTS AND CONNECTION TO APPROVED WATER SUPPLIES MUST BE INSTALLED AND MAINTAINED IN A MANNER THAT ALLOWS THE FIRE DEPARTMENT TO ACCESS THE WATER SUPPLY POINT WITHOUT BEING DELAYED BY FENCES, SIGNS, AND OTHER OBSTRUCTIONS. NFPA–1:18.5.2
35. FIRE HYDRANTS SHALL BE LOCATED NOT MORE THAN 12 FT. FROM THE FIRE DEPARTMENT ACCESS ROAD. NFPA–1:18.5.1.6
36. WHERE REQUIRED BY THE AHJ, FIRE HYDRANTS SUBJECT TO VEHICULAR DAMAGE SHALL BE PROTECTED UNLESS LOCATED WITHIN A PUBLIC RIGHT OF WAY. NFPA–1:18.5.8
37. FIRE HYDRANTS SHALL BE MARKED WITH AN APPROVED REFLECTOR AFFIXED TO OR PROXIMATE TO THE FIRE HYDRANT WHERE REQUIRED BY THE AHJ. NFPA–1:18.5.10.1
38. FIRE HYDRANTS IN ZONING CLASSIFICATIONS WITH LOWER RESIDENTIAL ZONING THAN R–3 SHALL BE INSTALLED ON A MINIMUM OF A SIX–INCH LOOPED WATER LINE IN CITY RIGHTS–OF–WAY OR EASEMENTS WITHIN 400 FEET OF THE ENTRANCE OF ANY FUTURE BUILDING AS MEASURED ALONG STREETS OR ALLEYS. COPP CO 93.25 (A)
39. FIRE HYDRANTS IN ZONING CLASSIFICATIONS R–3 AND ALL RESIDENTIAL CLASSIFICATIONS WITH GREATER DENSITY THAN R–3 SHALL BE INSTALLED ON A MINIMUM OF AN EIGHT– INCH LOOPED WATER LINE IN CITY RIGHTS–OF–WAY OR EASEMENTS AND WITHIN 300 FEET OF THE ENTRANCE OF ANY FUTURE BUILDING AS MEASURED ALONG STREETS OR ALLEYS. COPP CO 93.25 (B)
40. FIRE HYDRANTS IN ALL COMMERCIALLY AND BUSINESS ZONED AREAS SHALL BE INSTALLED ON A MINIMUM OF AN EIGHT – INCH LOOPED WATER LINE IN CITY RIGHTS–OF–WAY OR EASEMENTS AND SHALL NOT BE SPACED NOT FURTHER THAN 500 FEET APART AS MEASURED ALONG STREET OR ALLEYS. COPP CO 93.25 (C)
41. FIRE HYDRANTS 4 ½ INCH STREAMER CAP SHALL FACE THE NEAREST ROADWAY, SHALL BE BETWEEN 24 INCHES AND 30 INCHES ABOVE GROUND, AND REQUIRE A BLUE REFLECTOR IN CENTER OF ROADWAY IN FRONT OF THE HYDRANT. COPP CO 93.25 (E)
    NOTE: FIRE HYDRANT DETAIL TO BE PROVIDED ON SUBMITTAL.
42. NO TREE, BUSH, HEDGE, OR SHRUB, SHALL BE PLANTED WITHIN 15 FEET DIAMETER OF A HYDRANT AND LOCATED SUCH THAT THE HYDRANT SHALL BE FULLY VISIBLE FROM THE STREET. COPP CO 93.25 (F)
43. IN EVERY CASE, AT LEAST TWO FIRE HYDRANTS SHALL BE WITHIN 400 FEET OF THE ENTRANCE OF ANY FUTURE BUILDING, AND BE SPACED 500 FEET APART THROUGHOUT. MEASUREMENTS TAKEN AS THE FIRE TRUCK TRAVELS. COPP CO 93.25 (G) ENGINEERING DEPARTMENT VERIFICATION REQUIRED.
44. BUILDINGS WITH STANDPIPES/SPRINKLERS REQUIRE A FIRE HYDRANT WITHIN 100 FEET OF EACH STANDPIPE/SPRINKLER FIRE DEPARTMENT CONNECTION. COPP CO 93.25 (D) AND NFPA–14:6.4.5.4 (2016 ED.)
45. FIRE DEPARTMENT CONNECTIONS SHOULD BE LOCATED AND ARRANGED SO THAT HOSE LINES CAN BE READILY AND CONVENIENTLY ATTACH WITHOUT INTERFERENCE FROM NEARBY OBJECTS, INCLUDING BUILDINGS, FENCES POSTS, OR OTHER DEPARTMENT CONNECTIONS. NFPA–14:6.4.5.1.1 (2016 ED.)
46. FIRE DEPARTMENT CONNECTIONS SHALL BE VISIBLE AND RECOGNIZABLE FROM THE STREET OF NEAREST POINT OF FIRE DEPARTMENT APPARATUS ACCESSIBILITY OR ON THE STREET SIDE OF BUILDING. NFPA–14: 6.4.5.1 (2016 ED.)
    NOTE: FIRE DEPARTMENT CONNECTIONS SHALL ALSO BE SHOWN ON SAME SIDE OF THE STREET AS THE FIRE HYDRANT.
47. THE FIRE DEPARTMENT CONNECTION SHOULD BE LOCATED NOT LESS THAN 18 IN. NOR MORE THAN 48 IN. ABOVE THE LEVEL OF THE ADJOINING GROUND, SIDEWALK, OR GRADE SURFACE. NFPA–14:6.4.6 (2016 ED.)
    NOTE: PEMBROKE PINES FIRE DEPARTMENT REQUIRES FDC TO BE INSTALLED AT 3 FT. ABOVE GRADE.
48. THE POINT OF SERVICE FOR THE FIRE LINE MUST BE SHOWN AND LABELED ON THE WATER CIVIL SHEETS (THIS IS THE TIE IN WHERE THE WATER IS BEING USED EXCLUSIVELY FOR THE SPRINKLER/STANDPIPE SYSTEM).
49. BACKFLOW PREVENTION VALVES. MEANS SHALL BE PROVIDED DOWNSTREAM OF ALL BACKFLOW PREVENTION VALVES FOR FLOW TESTS AT SYSTEM DEMAND. NFPA–13:8.17.4.6.1
    THE FULL FLOW TEST OF THE BACKFLOW PREVENTION VALVE CAN BE PERFORMED WITH A TEST HEADER OR OTHER CONNECTION DOWNSTREAM OF THE VALVE. A BYPASS AROUND THE CHECK VALVE IN THE FIRE DEPARTMENT CONNECTOR LINE WITH A CONTROL VALVE IN THE NORMALLY CLOSED POSITION CAN BE AN ACCEPTABLE ARRANGEMENT. WHEN FLOW TO A VISIBLE DRAIN CANNOT NOT BE ACCOMPLISHED, CLOSED LOOP FLOW CAN BE ACCEPTABLE IF A FLOWMETER OR SITE GLASS IS INCORPORATED INTO THE SYSTEM TO ENSURE FLOW. NFPA–13: A.8.17.4.6.1
50. NOTICE REQUIRED FOR STRUCTURES WITH LIGHT–FRAME TRUSS–TYPE CONSTRUCTION FOR NEW AND EXISTING STRUCTURES, EFFECTIVE 12–13–09. DECLARE IF STRUCTURE(S) ARE TO BE CONSTRUCTED WITH LIGHT–FRAME TRUSS–TYPE CONSTRUCTION: (PLEASE PROVIDE A DETAIL ON SITE PLANS ADDRESSING TYPE OF CONSTRUCTION AND PLACARD TO BE POSTED) FAC 69A–60.0081
    ALL APARTMENT BUILDINGS, COMMERCIAL BUILDINGS, INDUSTRIAL BUILDINGS, AND MULTI–STORY BUILDINGS WITHIN THE CITY SHALL BE NUMBERED WITH THE STREET ADDRESS, FRONT & REAR AND/OR SIDE DOORS, WITH THE NUMBERS BEING NOT LESS THAN SIX, NOR MORE THAN NINE INCHES IN HEIGHT. THE NUMERALS SHALL CONTRAST WITH THEIR BACKGROUND AND BE KEPT FREE OF OBSTRUCTIONS. COPP CO 52.10
    NUMBERS TO BE MAINTAINED IN A CONSPICUOUS PLACE WHERE THEY CAN BE SEEN AND READ FROM THE STREET. COPP CO 52.10 (D)
51. ALL SUPPORT/SIGN POSTS SHALL CONFORM TO CURRENT BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (BCTED) STANDARDS FOR SQUARE TUBE SIGN POSTS WITH EITHER A SQUARE ANCHOR OR TRIANGULAR SLIP BASE PER BCTED 'GROUND SIGN ASSEMBLY DETAILS'.
52. IN ALL NEW AND EXISTING BUILDINGS, MINIMUM RADIO SIGNAL STRENGTH FOR FIRE DEPARTMENT COMMUNICATIONS SHALL BE MAINTAINED AT A LEVEL DETERMINED BY THE AHJ. NFPA–1:11.10.1
    A. THE OWNER'S REP OR GC SHALL CONDUCT A PRELIMINARY INITIAL ASSESSMENT TO DETERMINE IF THE MINIMUM RADIO SIGNALS STRENGTH FOR FIRE DEPARTMENT COMMUNICATION IS IN COMPLIANCE WITH BROWARD COUNTY STANDARDS.
    B. PRIOR TO ANY TESTING, THE OCCUPANCY SHALL BE STRUCTURALLY COMPLETED WITH ALL INTERIOR PARTITIONS,
    C. WINDOWS AND DOORS INSTALLED. IT IS RECOMMENDED THAT THE STRUCTURE IS EQUIPPED WITH AN INFRASTRUCTURE TO ALLOW FOR INSTALLATION IF IT IS LATER DETERMINED THAT A BDA IS REQUIRED.
    D. AN ASSESSMENT WILL BE CONDUCTED BY THE OWNER'S REP OR GC TO DETERMINE IF THE MINIMUM RADIO SIGNALS STRENGTH FOR FIRE DEPARTMENT COMMUNICATION IN THE OCCUPANCY IS IN COMPLIANCE, IN ACCORDANCE WITH NFPA–1:11.10.1 AND NFPA–72:24.5.2.2.1THROUGH NFPA–72:24.5.2.2.3.
    E. RADIO COVERAGE SHALL BE PROVIDED THROUGHOUT THE BUILDING AS A PERCENTAGE OF FLOOR AREA AS SPECIFIED BELOW IN ACCORDANCE WITH NFPA–72:14.4.12.1.2 THROUGH NFPA–72:14.4.12.1.4 AND NFPA–24.5.2.3.
    NOTE: A TEST GRID (HEAT MAP) PLAN SHALL BE PRODUCED TO ENSURE TESTING THROUGHOUT THE BUILDING.
    NOTE: SIGNAL LEVELS SHALL BE MEASURED TO ENSURE THE SYSTEM MEETS THE CRITERIA OF NFPA 24.5.2.3 WITH A MINIMUM INBOUND SIGNAL STRENGTH OF –95 DBM AND MINIMUM OUTBOUND SIGNAL ON –95 DBM AT THE DONOR SITE.

PLANS ARE IN NAVD88 DATUM CONVERSION EQUATION IS BELOW: (NGVD 1929) – 1.594' = (NAVD 1988)

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR DEWATERING AND OBTAINING ALL NECESSARY PERMITS.

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CORAL GABLES, FL 33134

INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201

MEP ENGINEER
TLC ENGINEERING SOLUTIONS
255 S. ORANGE AVE. STE 1690
ORLANDO, FL 32801

LOW VOLTAGE
SMITH SECKMAN REID, INC.
2995 SIDCO DRIVE
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3309 HIGHLANDS PKWY SE, SUITE 205
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410
REGISTRY No: 35106

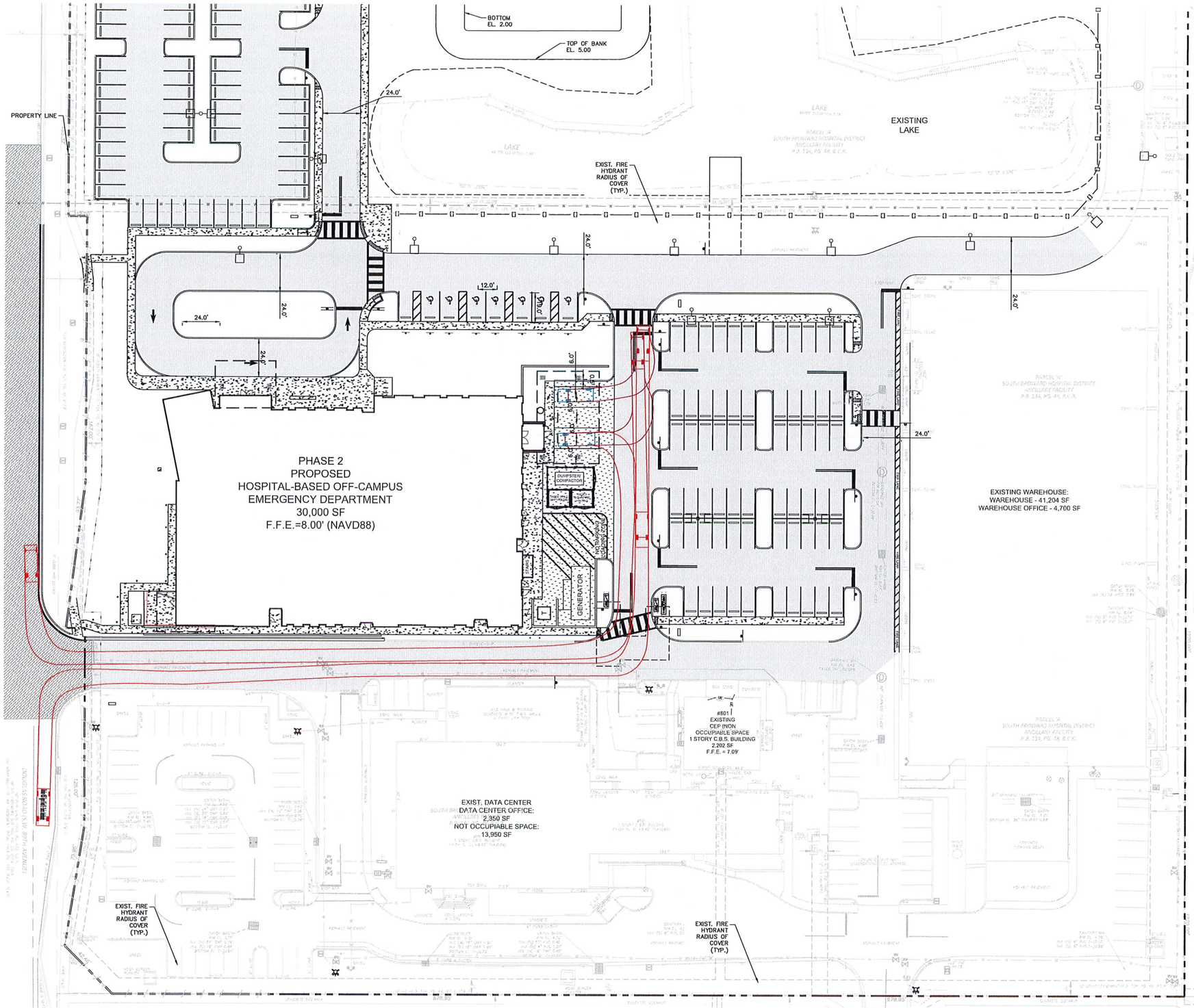
Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

CON NO: 111AAA
KEY PLAN

MICHAEL I. SCHWARTZ
LICENSE
No. 56200
STATE OF FLORIDA
PROFESSIONAL ENGINEER
1/24/2024

REVISION NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
FIRE ACCESS NOTES
SHEET NO.
C7.10



NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND

- PROPERTY LINE
- LIMITS OF WORK
- PROPOSED HEAVY DUTY CONCRETE
- DETECTABLE WARNING SURFACE
- PROPOSED CONCRETE
- PROPOSED ASPHALT
- PARKING COUNT

Horton 453 Type I Ford E-Series Ambulance	
Overall Length	23.288ft
Overall Width	8.191ft
Overall Body Height	7.857ft
Min Body Ground Clearance	1.265ft
Track Width	6.921ft
Lock-to-lock time	5.0s
Curb to Curb Turning Radius	27.400ft

PLANS ARE IN NAVD88 DATUM
CONVERSION EQUATION IS BELOW:
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CORAL GABLES, FL 33134

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ORLANDO, FL 32801

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HKS ARCHITECTS, INC
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NASHVILLE, TN 37204

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CIVIL/LANDSCAPE ENGINEER
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1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410
REGISTRY No. 35106

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

MICHAEL J. SCHWARTZ
LICENSE
No. 56200
STATE OF FLORIDA
PROFESSIONAL ENGINEER
JAN 31 2024

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
AMBULANCE ACCESS PLAN
SHEET NO.
C8.00

Plotted By:Martinez, Moises Sheet Set:MEMORIAL MANOR FSED Layout:C8.00 AMBULANCE ACCESS PLAN January 31, 2024 02:06:46pm K:\WPB_DevServices\144767019 – Memorial Manor FSED\CADD\PlanSheets\C8.00 AMBULANCE ACCESS PLAN.dwg
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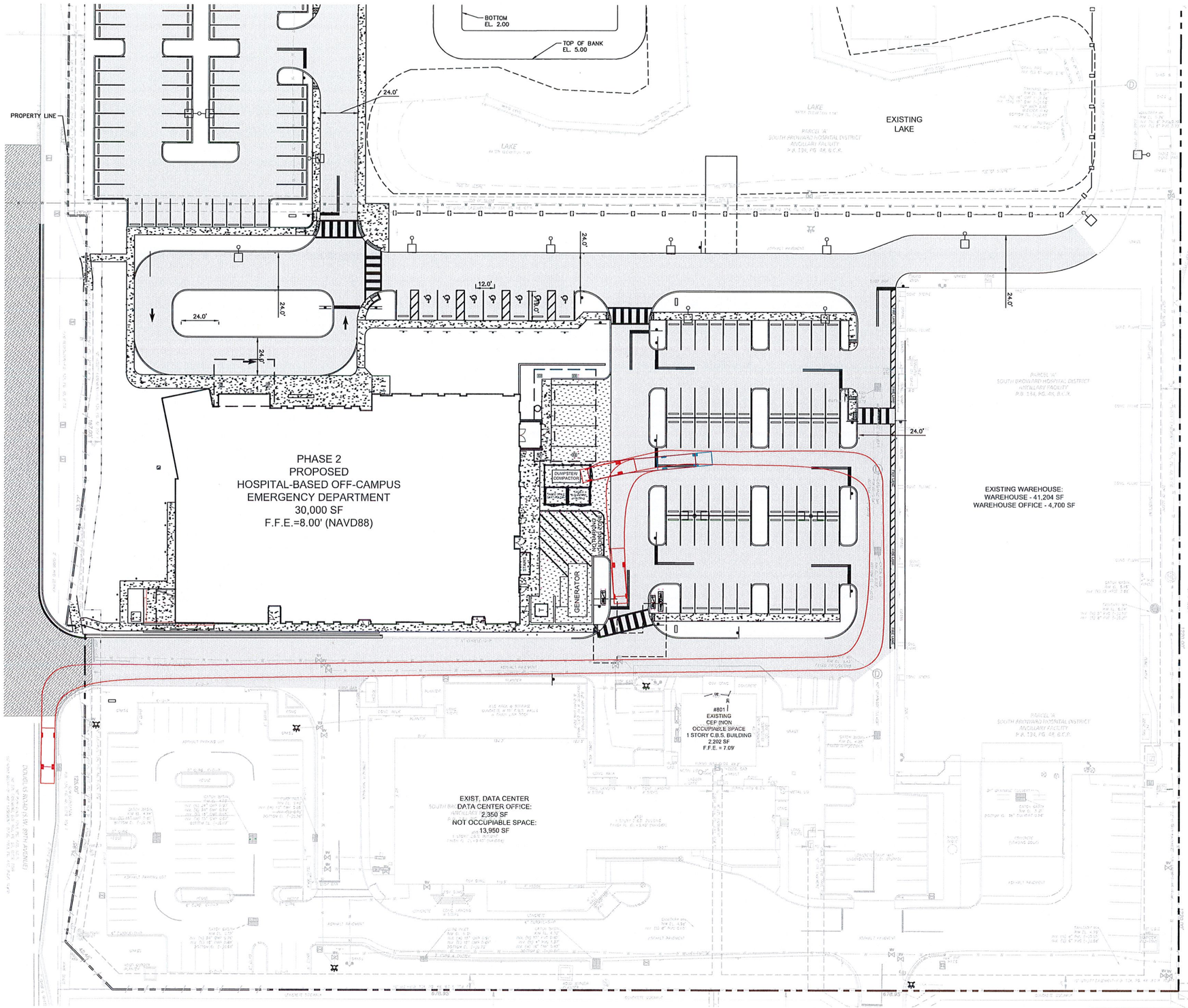

Garbage Truck	
Overall Length	35.000ft
Overall Width	8.375ft
Overall Body Height	10.546ft
Min Body Ground Clearance	1.000ft
Track Width	8.375ft
Lock-to-lock time	6.0s
Curb to Curb Turning Radius	29.300ft

PLANS ARE IN NAVD88 DATUM
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LOW VOLTAGE
SMITH SECKMAN REID, INC.
2295 SIDCO DRIVE
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REGISTRY No. 35106

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

CONSULTANT SEAL

MICHAEL J. SCHWARTZ
LICENSE
No. 56200
STATE OF FLORIDA
PROFESSIONAL ENGINEER
JAN 31 2024

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HKS PROJECT NUMBER
25566.000
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SHEET TITLE
GARBAGE TRUCK MANEUVERABILITY
SHEET NO.
C9.00

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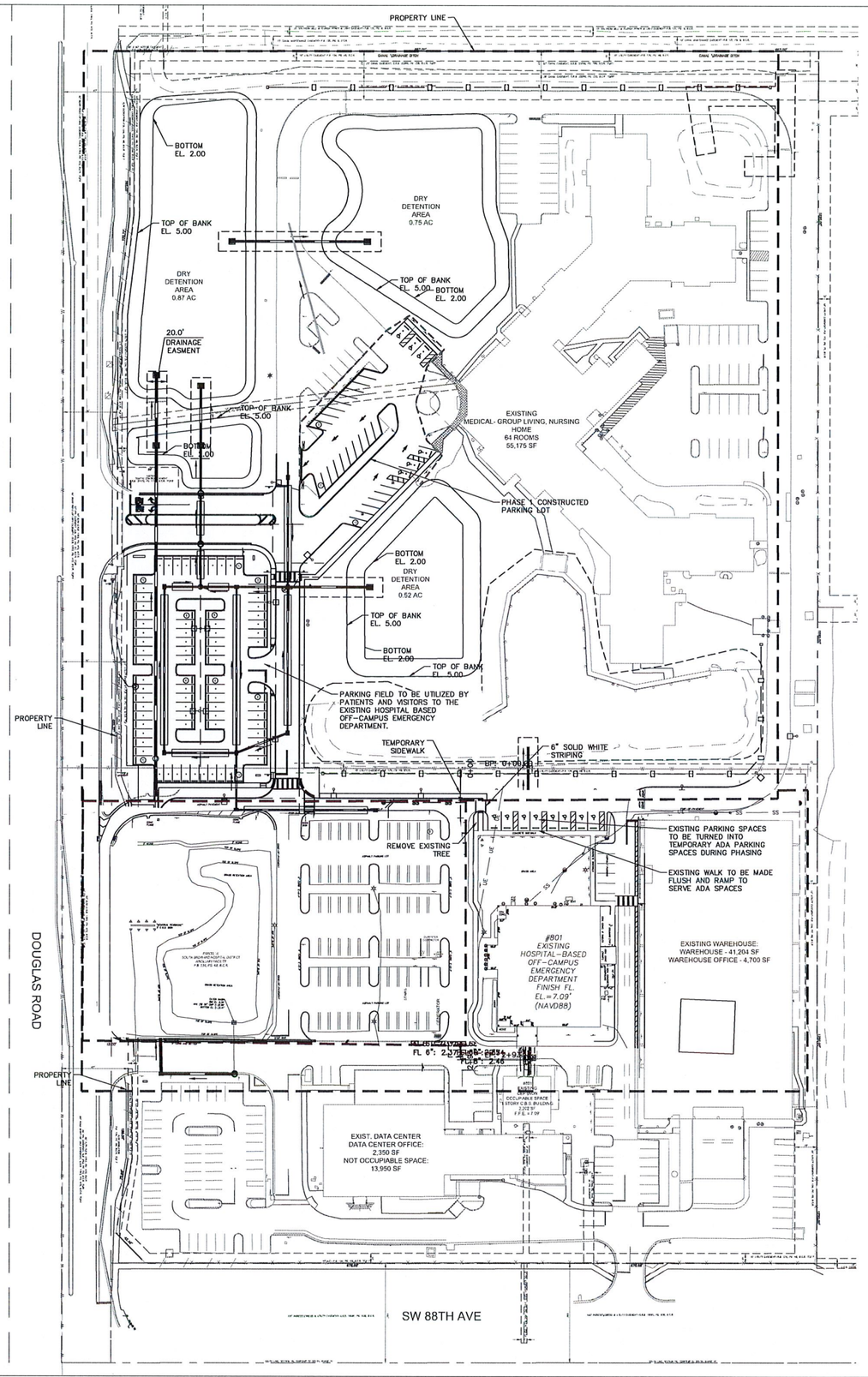

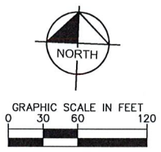

LEGEND

- PROPERTY LINE
- DECORATIVE FENCE
- PROPOSED HEAVY DUTY CONCRETE
- DETECTABLE WARNING SURFACE
- PROPOSED CONCRETE
- PROPOSED STANDARD DUTY ASPHALT
- SITE TRIANGLES
- PROPOSED LIGHT POLE
- PARKING COUNT

REQUIRED PARKING CALCULATION PHASE 1

BUILDING/USE	PARKING CATEGORY	BUILDING AREA	PER CURRENT CODE PARKING RATE	REQ. PARKING SPACES
EX HOSPITAL - BASED OFF CAMPUS EMERGENCY DEPARTMENT	MEDICAL - SPECIALIZED	13,750	3.5 SPACE/1,000 SF	49
EX MEMORIAL MANOR (64 ROOMS/120 BEDS)	GROUP LIVING (NURSING HOME)	55,175	0.5 SPACE/ROOM	32
EX WAREHOUSE (WAREHOUSE BUILDING)	WAREHOUSE OR WHOLESALE	33,204	1 SPACE/1,000 SF	34
EX PRINT SHOP (WAREHOUSE BUILDING)	OFFICE GENERAL	8,000	3.5 SPACE/1,000 SF	28
EX OFFICE (WAREHOUSE BUILDING)	OFFICE GENERAL	4,700	3.5 SPACE/1,000 SF	17
EX OFFICE (DATA CENTER)	OFFICE GENERAL	2,350	3.5 SPACE/1,000 SF	9
EX COMPUTER DATA SPACE (DATA CENTER)	WAREHOUSE OR WHOLESALE	9,150	1 SPACE/1,000 SF	10
EX CENTRAL ENERGY PLANT (DATA CENTER)	WAREHOUSE OR WHOLESALE	4,800	1 SPACE/1,000 SF	5
PROPOSED HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT	MEDICAL SPECIALIZED	-	3.5 SPACE/1,000 SF	-
			REQ. W/URGENT CARE:	184

PHASE 1 PROVIDED PARKING

REGULAR PARKING	330
ADA PARKING	18
TOTAL PARKING:	348

NOTE:
PHASE 1 CONSTRUCTION: APPROXIMATELY 3 MONTHS.

PLANS ARE IN NAVD88 DATUM
CONVERSION EQUATION IS BELOW:
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MEP ENGINEER
TLC ENGINEERING SOLUTIONS
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ORLANDO, FL 32801

LOW VOLTAGE
SMITH SECKMAN REID, INC.
2995 SOCO DRIVE,
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3309 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082

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KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410
REGISTRY No. 35105

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

MICHAEL SCHWARTZ
LICENSE
No. 56200
STATE OF FLORIDA
PROFESSIONAL ENGINEER
JAN 31 2024

REVISIONS		
NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
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SHEET TITLE
PHASING PLANS - PHASE 1
SHEET NO.
C10.01

Plotted By:Martinez, Moises Sheet Set:MEMORIAL MANOR FSED Layout:C10.01 PHASING PLANS – PHASE 1 January 31, 2024 02:07:08pm K:\WPB_DevServices\144767019 – Memorial Manor FSED\CADD\PlanSheets\C10.00 PHASING PLAN.dwg
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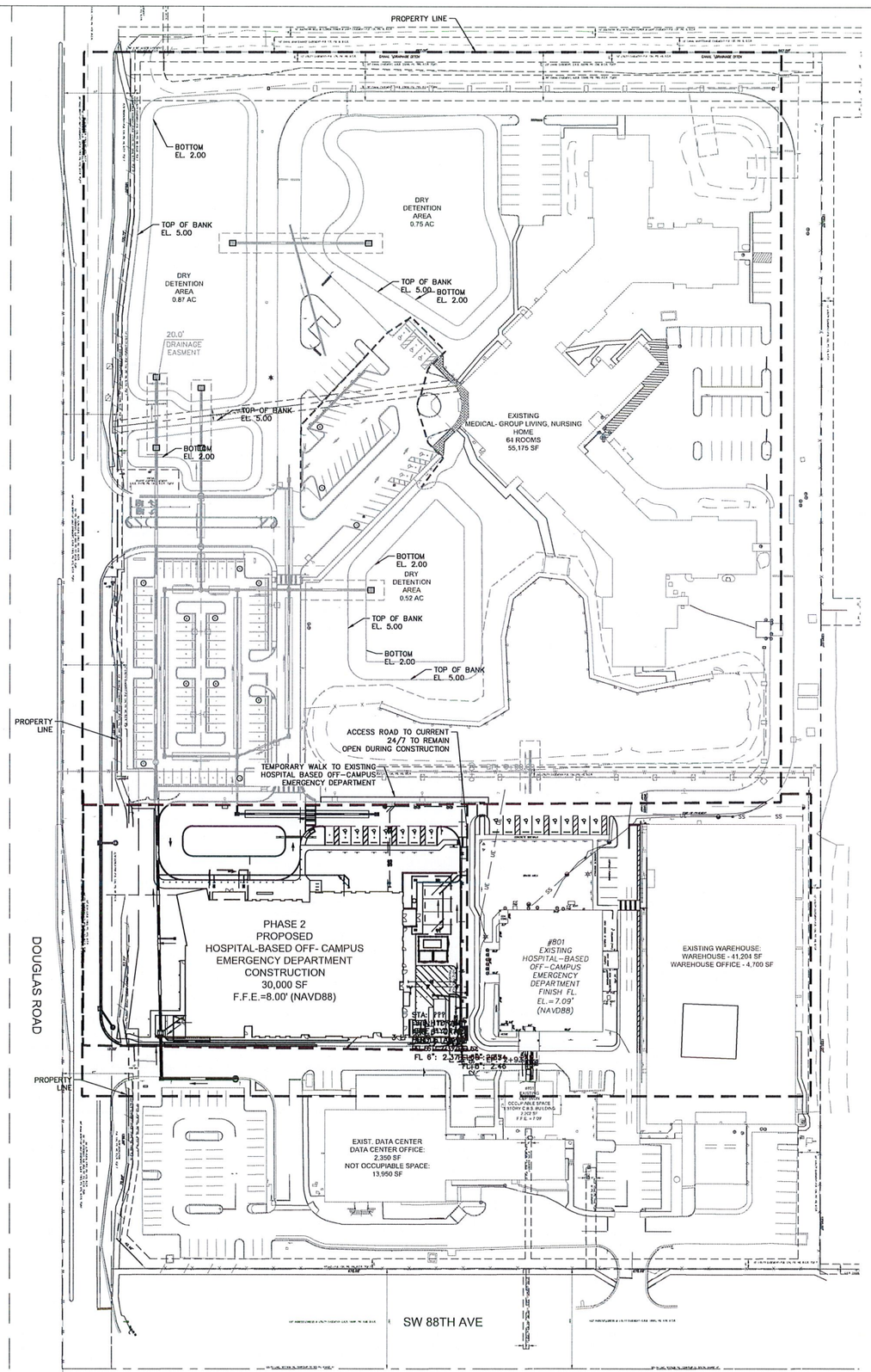

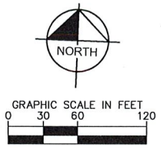

LEGEND

- PROPERTY LINE
- DECORATIVE FENCE
- PROPOSED HEAVY DUTY CONCRETE
- DETECTABLE WARNING SURFACE
- PROPOSED CONCRETE
- PROPOSED STANDARD DUTY ASPHALT
- SITE TRIANGLES
- PROPOSED LIGHT POLE
- PARKING COUNT

REQUIRED PARKING CALCULATION PHASE 2

BUILDING/USE	PARKING CATEGORY	BUILDING AREA	PARKING RATE	REQ. PARKING SPACES
EX. HOSPITAL - BASED OFF CAMPUS EMERGENCY DEPARTMENT	MEDICAL - SPECIALIZED	13,750	3.5 SPACE/1,000 SF	49
EX. MEMORIAL MANOR (64 ROOMS/120 BEDS)	GROUP LIVING (NURSING HOME)	55,175	0.5 SPACE/ROOM	32
EX. WAREHOUSE (WAREHOUSE BUILDING)	WAREHOUSE	33,204	1 SPACE/1,000 SF	34
EX. WAREHOUSE BUILDING OFFICE	OFFICE GENERAL	12,700	3.5 SPACE/1,000 SF	45
EX. DATA CENTER OFFICE	OFFICE GENERAL	2,350	3.5 SPACE/1,000 SF	9
EX. NOT OCCUPIABLE DATA CENTER	WAREHOUSE OR WHOLESALE	13,950	1 SPACE/1,000 SF	14
EX. NON OCCUPIABLE CENTRAL ENERGY PLANT	WAREHOUSE OR WHOLESALE	2,200	1 SPACE/1,000 SF	3
PROPOSED HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT	HOSPITAL	30,200	2.5 SPACE/1,000 SF	-
		149,779	TOTAL REQ.	186
		PROPOSED FAR: 0.17	W/URGENT CARE:	

PHASE 2 PROVIDED PARKING

REGULAR PARKING	258
ADA PARKING	21
TOTAL PARKING:	269

NOTE:
PHASE 2 CONSTRUCTION: APPROXIMATELY 12 MONTHS.

PLANS ARE IN NAVD88 DATUM
CONVERSION EQUATION IS BELOW:
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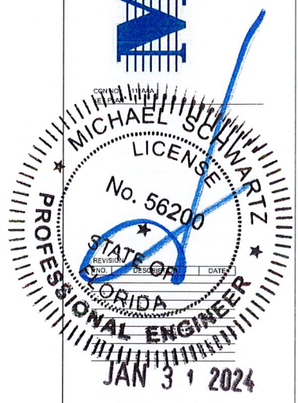
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT



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25566.000

DATE
JANUARY 24, 2024

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SHEET TITLE
PHASING PLANS - PHASE 2

SHEET NO.
C10.02

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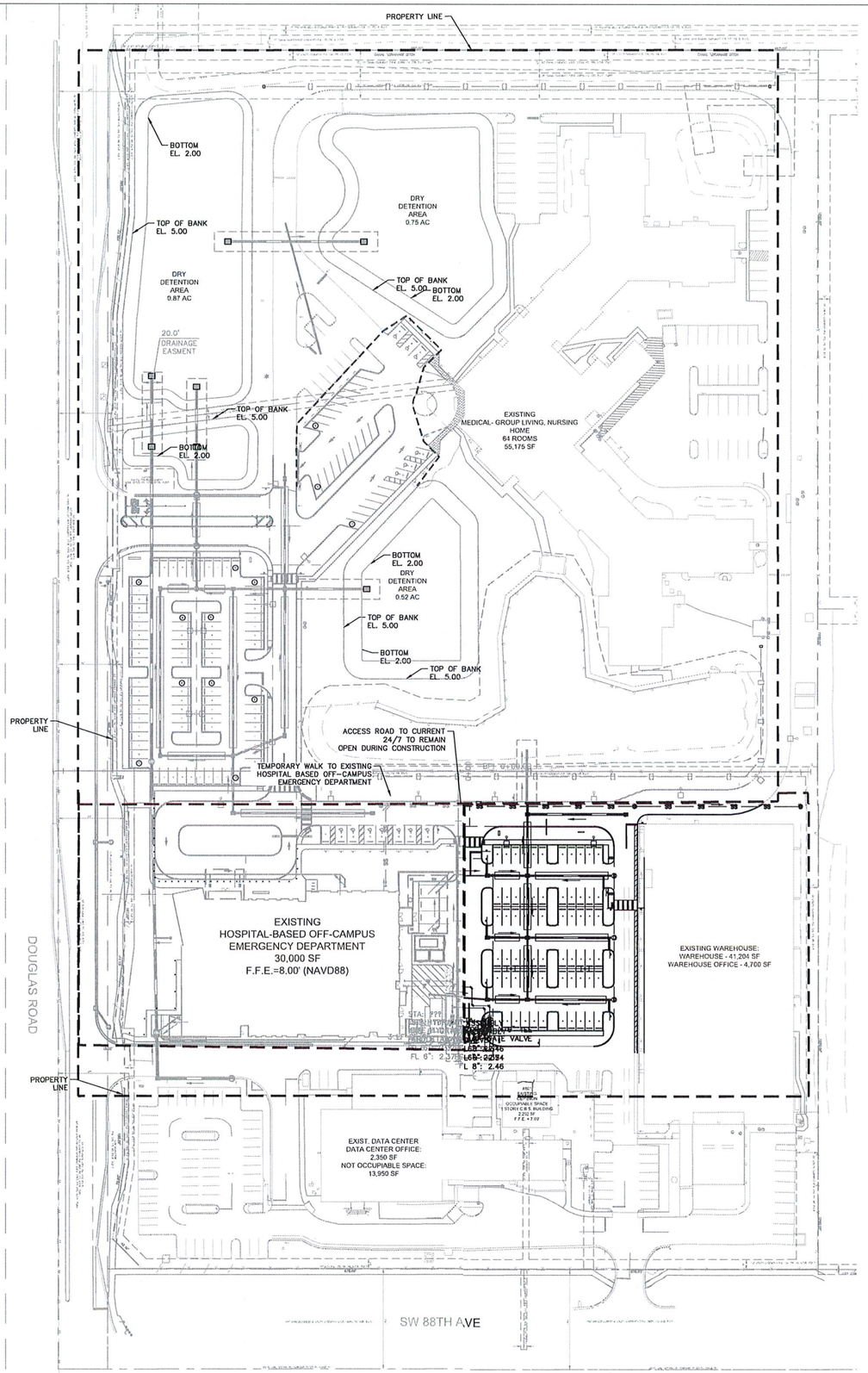

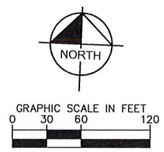

LEGEND

- PROPERTY LINE
- DECORATIVE FENCE
- PROPOSED HEAVY DUTY CONCRETE
- DETECTABLE WARNING SURFACE
- PROPOSED CONCRETE
- PROPOSED STANDARD DUTY ASPHALT
- SITE TRIANGLES
- PROPOSED LIGHT POLE
- PARKING COUNT

REQUIRED PARKING CALCULATION PHASE 3

BUILDING/USE	PARKING CATEGORY	BUILDING AREA	PARKING RATE	REQ. PARKING SPACES
EX HOSPITAL - BASED OFF CAMPUS EMERGENCY DEPARTMENT	MEDICAL - SPECIALIZED	-	3.5 SPACE/1,000 SF	-
EX MEMORIAL MANOR (64 ROOMS, 120 BEDS)	GROUP LIVING (NURSING HOME)	55,175	0.5 SPACE/ROOM	32
EX WAREHOUSE (WAREHOUSE BUILDING)	WAREHOUSE	33,204	1 SPACE/1,000 SF	34
EX WAREHOUSE BUILDING OFFICE	OFFICE GENERAL	12,700	3.5 SPACE/1,000 SF	45
EX DATA CENTER OFFICE	OFFICE GENERAL	2,350	3.5 SPACE/1,000 SF	9
EX NOT OCCUPIABLE DATA CENTER	WAREHOUSE OR WHOLESALE	13,950	1 SPACE/1,000 SF	14
EX NON OCCUPIABLE CENTRAL ENERGY PLANT	WAREHOUSE OR WHOLESALE	2,200	1 SPACE/1,000 SF	3
PROPOSED HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT	HOSPITAL	30,200	2.5 SPACE/1,000 SF	106
		149,779	TOTAL REQ.	243

NOTES:
1. PHASE 3 CONSTRUCTION INCLUDES DEMOLITION OF THE EXISTING HOSPITAL-BASED EMERGENCY DEPARTMENT.
2. PHASE 3 CONSTRUCTION: APPROXIMATELY 3 MONTHS.

PLANS ARE IN NAVD88 DATUM CONVERSION EQUATION IS BELOW: (NGVD 1929) – 1.594' = (NAVD 1988)

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CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 299
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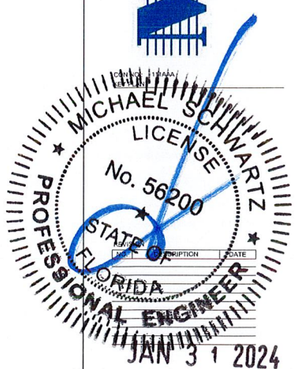
REGISTRY No. 35106

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT



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25566.000
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JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
PHASING PLANS - PHASE 3
SHEET NO.
C10.03

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LEGEND

- PROPERTY LINE
- STANDARD ASPHALTIC CONCRETE PAVEMENT (SEE C4.12 FOR DETAILS)
- PROPOSED CONCRETE SIDEWALK (SEE C4.10 FOR DETAILS)
- MILL AND RESURFACE (SEE C3.12 FOR DETAILS)
- SOD
- ONSITE IMPROVEMENTS
- NVAL LINE
- W — EXISTING WATER PIPE
- SS — SS — EXISTING SEWER PIPE
- EXISTING COMMUNICATION LINE
- PROPOSED STORM PIPE
- EXISTING GRADE
- (18.57) PROPOSED SPOT ELEVATION
- (18.57 ±ME) MATCH EXISTING GRADE
- (19.07 / 18.57) PROPOSED SPOT ELEVATION TOP OF WALK/CURB EDGE OF PAVEMENT
- SF — SILT FENCE
- UE — UE — EXISTING UNDERGROUND UTILITY
- EXISTING OVERHEAD WIRE

GENERAL NOTES:

1. CONTRACTOR TO USE STANDARD INDEX 520-001 FOR PROPOSED TYPE 'D' CURB AND TYPE 'F' CURB AND GUTTER.
2. ALL MATERIALS THAT ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED AND DISPOSED OF OR MODIFIED AND RELOCATED AS CALLED FOR IN THE PLANS. CONTRACTOR SHALL NOTIFY THE DEPARTMENT FOR ANY QUESTIONS.
3. ALL EXISTING UTILITIES TO REMAIN UNLESS STATED OTHERWISE.

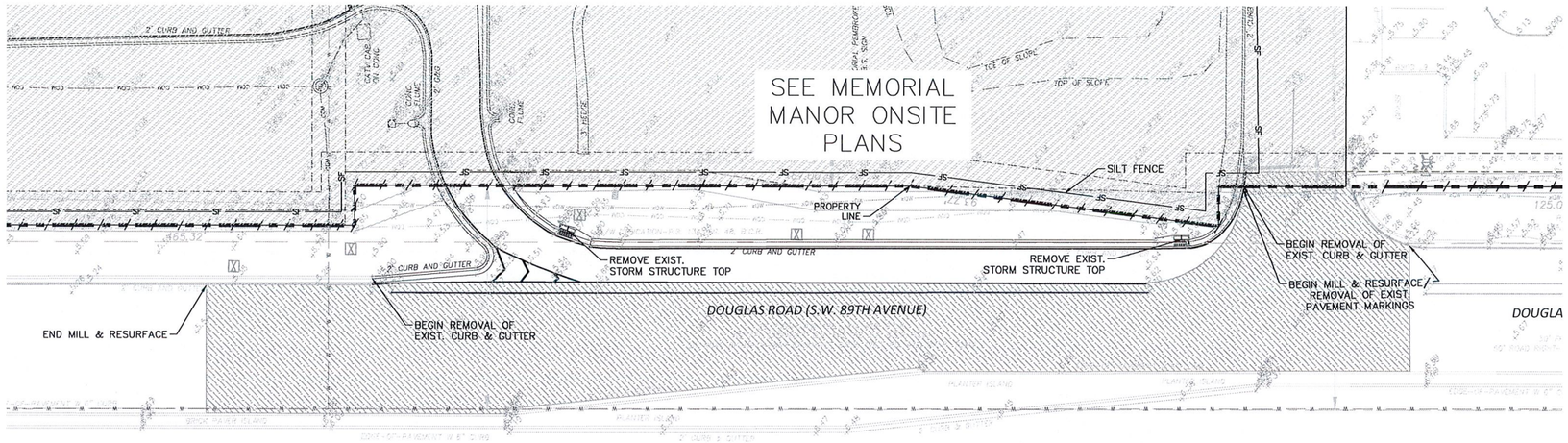
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR DEWATERING AND OBTAINING ALL NECESSARY PERMITS.

PLANS ARE IN NAVD88 DATUM. CONVERSION EQUATION IS BELOW: (NGVD 1929) – 1.594' = (NAVD 1988)

CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

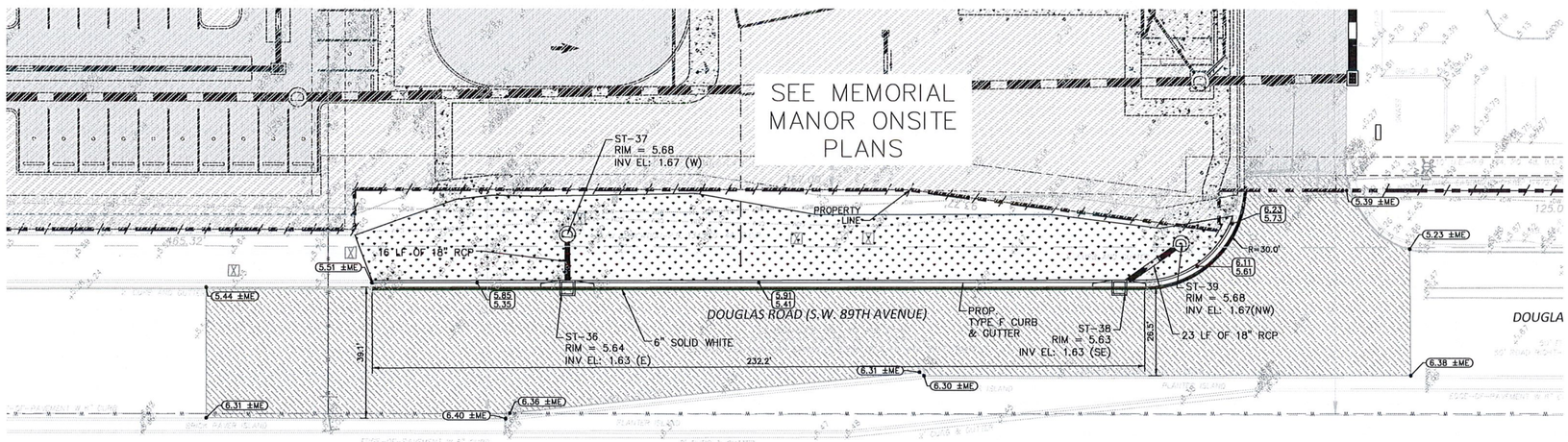
NORTH

GRAPHIC SCALE IN FEET
0 10 20 40



DOUGLAS ROAD

DEMOLITION AND EROSION CONTROL PLAN



DOUGLAS ROAD

ENGINEERING PLAN

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HKS

OWNER
MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL 33021

ARCHITECT
HKS ARCHITECTS, INC
2029 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL 33134

INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 495
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201

MEP ENGINEER
TLC ENGINEERING SOLUTIONS
255 S. ORANGE AVE. STE 1600
ORLANDO, FL 32801

LOW VOLTAGE
SMITH SECKMAN REID, INC.
2295 SIDCO DRIVE
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3300 HIGHLANDS PKWY. SE, SUITE 295
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410
REGISTRY No. 35106

Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

MICHAEL SCHWARTZ
LICENSE
No. 56200
STATE OF FLORIDA
PROFESSIONAL ENGINEER
JAN 24 2024

REVISION NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
OFFSITE TURN LANE

SHEET NO.
C11.00

Plotted By:Martinez, Moises Sheet Set:MEMORIAL MANOR FSED Layout:C11.00 January 31, 2024 02:07:43pm K:\WPB_DwgServices\144787019 - Memorial Manor FSED\CADD\PlanSheets\C11.00 OFFSITE TURN LANE.dwg
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TITLE BLOCK VERSION: 20110323

PROJECT SUMMARY

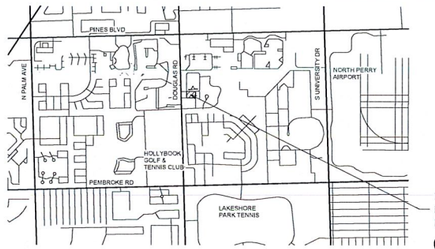
THE PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW 30,000 SF HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT IN 601 S DOUGLAS ROAD, CITY PEMBROKE PINES, BROWARD COUNTY, FLORIDA WITH ALL ASSOCIATED SITE IMPROVEMENTS.

SCOPE OF WORK INCLUDES 20 EXAM/TREATMENT ROOMS, 16 FAST TRACK EXAM ROOMS, DIAGNOSTIC IMAGING INCLUDING RAD, AND CT. AS WELL AS A LAB TO SUPPORT EMERGENCY FUNCTIONS. THE CENTER WILL BE STAFFED WITH ADULT EMERGENCY MEDICINE PHYSICIANS AND PEDIATRIC EMERGENCY MEDICINE PHYSICIANS, EMERGENCY TRAINED PEDIATRIC AND ADULT NURSES, PARAMEDICS, PATIENT CARE TECHS, RADIOLOGY TECHNICIANS, AND PATIENT ACCESS ASSOCIATES.

EXAM/TREATMENT ROOM TYPES

ROOMS	NUMBER OF ROOMS
TRIAGE BAY	3
FAST TRACK EXAM ROOM	16
ED TREATMENT ROOM	20
TRAUMA ROOM	1
PROCEDURE ROOM	1
PATIENT TRANSFER HOLDING	3

VICINITY MAP



PROJECT LOCATION
MEMORIAL PEMBROKE 24/7
EMERGENCY CARE CENTER

TN

BUILDING SUMMARY

PROJECT INFORMATION

PROJECT NAME: MEMORIAL HOSPITAL PEMBROKE HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT
ADDRESS: 601 S DOUGLAS ROAD, CITY PEMBROKE PINES, COUNTY BROWARD
PROPOSED USE: HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT
OWNER-CONTACT PERSON: MARK GREENSPAN / MICHELLE ACHERMAN
PHONE: (954) 844-6630

BUILDING PLANNING

OCCUPANCY: GROUP I-2, INSTITUTIONAL (FBC), HEALTHCARE (NFPA 101)
MIXED OCCUPANCY? YES (NO)
REQUIRED FIRE SEPARATION: N/A
ESSENTIAL FACILITY? (YES) / NO
RISK CATEGORY: IV

APPLICABLE CODES

- **BUILDING CODE**: 2020 FLORIDA BUILDING CODE, (7TH EDITION)
- **ACCESSIBILITY CODE**: 2020 FLORIDA BUILDING CODE – ACCESSIBILITY (7TH EDITION) & 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
- **MECHANICAL**: 2020 FLORIDA BUILDING CODE – MECHANICAL (7TH EDITION)
- **PLUMBING**: 2020 FLORIDA BUILDING CODE – PLUMBING (7TH EDITION)
- **FIRE CODE**: 2020 FLORIDA FIRE PREVENTION CODE (7TH EDITION) AND NFPA 1 – FIRE CODE, FLORIDA EDITION (2018)
  FIRE MARSHAL'S RULE 69A-3.012 F.A.C.
- **LIFE SAFETY CODE**: NFPA 101– LIFE SAFETY CODE, FLORIDA EDITION (2012 AND 2018)

- **ELECTRICAL**: 2017 NATIONAL ELECTRICAL CODE (NFPA 70)
- **ENERGY CODE**: FLORIDA BUILDING CODE – ENERGY CONSERVATION, 7 TH EDITION (2020)

-2018 FGI GUIDELINES FOR DESIGN AND CONSTRUCTION OF HEALTH CARE FACILITIES

ADDITIONAL CODES:

- 2020 FLORIDA BUILDING CODE - TEST PROTOCOLS FOR HIGH VELOCITY HURRICANE ZONE, 7TH EDITION
- GUIDELINES FOR DESIGN AND CONSTRUCTION OF HOSPITALS AND OUTPATIENT FACILITIES 2018 EDITION
- FLORIDA ADMINISTRATIVE CODES, CHAPTERS 59A-3 (HOSPITALS)
- NFPA 99 – HEALTH CARE FACILITIES CODE (2012)

- FLORIDA STATUTE REQUIRED STATEMENT CHAPTER 553.73 (1) (D)
TO THE BEST OF THE ARCHITECT'S KNOWLEDGE, THE PLANS AND SPECIFICATION COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTER 633 OF THE FLORIDA STATUES

-TEST PROTOCOLS FOR HIGH VELOCITY HURRICANE ZONE
-645.4.3 DEBRIS IMPACT PROTECTION STANDARDS
450.2.5.1 ALL EXTERIOR WINDOW UNITS, SKYLIGHTS, EXTERIOR LOUVERS AND EXTERIOR DOOR UNITS INCLUDING VISION PANELS AND THEIR ANCHORING SYSTEMS SHALL BE IMPACT-RESISTANT COVERING MEETING THE REQUIREMENTS OF THE TESTING APPLICATION STANDARDS (TAS) 201,202 AND 203 OF THIS CODE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 1626.2 THROUGH 1626.4 OF THIS CODE. FOR THE PURPOSE OF THIS REQUIREMENT, FACILITIES LOCATED WHERE THE ULTIMATE DESIGN WIND SPEEDS ARE 130 MPH, OR LESS, AS DESCRIBED IN FIGURE 1609.3(2) OF THIS CODE, SHALL MEET THE REQUIREMENTS FOR WIND ZONE 1. THE IMPACT-RESISTANT COVERINGS MAY BE EITHER PERMANENTLY ATTACHED OR MAY BE REMOVABLE IF STORED ON SITE OF THE FACILITY. FACILITIES LOCATED AT HIGH VELOCITY HURRICANE ZONE (HVHZ SHALL COMPLY WITH SECTIONS 1625.2 THROUGH 1626.4.

-1625.2 LARGE MISSILE IMPACT TESTS
1625.2.1 THIS TEST SHALL BE CONDUCTED ON THREE TEST SPECIMENS PER TEST PROTOCOLS TAS 201 AND TAS 203, THIS TEST SHALL BE APPLICABLE TO THE CONSTRUCTION UNITS, ASSEMBLIES, AND MATERIALS TO BE USED UP TO AND INCLUDING 30 FEET (9.1M) IN HEIGHT IN ANY AND ALL STRUCTURES.

1626.3 SMALL MISSILE IMPACT TESTS
1626.3.1 THIS TEST SHALL BE CONDUCTED ON THREE TEST SPECIMENS PER TEST PROTOCOLS TAS 201 AND TAS 203,THIS TEST SHALL BE APPLICABLE TO THE CONSTRUCTION UNITS, ASSEMBLIES, AND MATERIALS TO BE USED ABOVE 30 FEET IN HEIGHT IN ANY AND ALL STRUCTURES. RISK CATEGORY IV- ESSENTIAL FACILITY BUILDING OR STRUCTURES SHALL FOLLOW THE LARGE MISSILE IMPACT TESTING IN SECTION 1626.2 AT 50 FEET PER SECOND (15.2 M/S)

HOT WORK PERMITS
CONTRACTOR SHALL OBTAIN A HOT WORK PERMIT PRIOR TO BEGINNING ANY WELDING, CUTTING, BRAZING, GRINDING, OR OTHER ACTIVITY THAT GENERATE SPARKS CAPABLE OF CAUSING COMBUSTION, REFERENCE NFPA 518 (2014 EDITION) AND NFPA 601

TYPE OF CONSTRUCTION

CONSTRUCTION TYPE: IIA, FULLY SPRINKLERED

GENERAL BUILDING LIMITATIONS

HIGH RISE? YES (NO)

ITEM	ALLOWED / REQUIRED	ACTUAL / PROVIDED
HEIGHT OF BUILDING	85 FT	19 FT
NUMBER OF STORIES	3 STORY	1 STORY
MAX. SINGLE FLOOR AREA	48,000 FT²	30,956FT²
TOTAL AREA OF BUILDING	144,000 FT²	30,956FT²
PENTHOUSE AND ROOF STRUCTURE	NA	NA
PARKING SPACES	STD. 305 | ACC. 16 | TTL 321	STD. 312 | ACC. 19 | TTL 331

FIRE PROTECTION SYSTEMS

- FIRE EXTINGUISHING SYSTEM: (YES) / NO
  - TYPE: SPRINKLER
- STANDPIPE SYSTEM: (YES) / NO
  - CLASS: X
- SMOKE CONTROL: (YES) / NO

FIRE RESISTANT CONSTRUCTION/FIREPROOFING SCHEDULE

ITEM	REQD RATING / HR	U/FM # WHERE APPLICABLE
- EXTERIOR WALLS: LOAD BEARING	1HR	X
- NON-LOAD BEARING	1 HR IF < 30 FT FROM PROPERTY LINE	X
- FIRE/PARTY WALLS	NA	X
- SHAFTS	1 HR	X
- TENANT SEPARATION	NA	X
- INTERIOR WALL: LOAD BEARING	0HR	X
- NON-LOAD BEARING	0HR	X
- COLUMNS	1HR	X
- BEAMS	1HR	X
- FLOOR/CEILING	1HR	X
- ROOF/CEILING	1HR	X

FIRE PROOFING NOTES

1. ALL FIRE RESISTIVE RATINGS ARE ASSUMED TO BE THERMALLY RESTRAINED.
2. ALL BEAMS AND COLUMNS SHALL BE ADJUSTED USING W/D OR A/P RATIOS TO DETERMINE THE CORRECT FIREPROOFING THICKNESS.

BUILDING ENVELOPE ENERGY INFORMATION

BUILDING MATERIALS

Building Elevation Vertical Surfaces	WALLS		WINDOWS		DOORS	
	R Value =	10.9	U Value =	1.25	R Value =	2.85
	Area	%	Area	%	Area	%
North	2983	95.39	114	4.61	X	X
East	2355	96.91	54	2.22	21	0.86
South	2293	84.50	409.5	15.50	X	X
West	1757.5	80.02	438.8	19.98	X	X
South West	935	84.50	550	39.68	X	X
North West	655	80.02	465	41.52	X	X

Building Elevation Horizontal Surfaces	Crawlspace		Roof	
	R Value =	N/A	R Value =	20.3
	Area	N/A	Area	1029

LOAD TABLE

HEIGHT ABOVE GROUND	WALLS		WALL CORNERS (DISTANCE "a" FROM BUILDING CORNERS)	
	INWARD	OUTWARD	INWARD	OUTWARD
0 TO 20	80.4 psf	-87.2 psf	80.4 psf	-107.7 psf
20 TO 40	80.4 psf	-87.2 psf	80.4 psf	-107.7 psf

ROOF LOCATION	HEIGHT ABOVE GROUND	UPLIFT PRESSURES		
		FIELD/TYP	EDGE	CORNER
FRED	40 ft	-56.6 psf	90.4 psf	-123.2 psf

WIND TABLE NOTES

1. WIND LOADS WERE DETERMINED USING ASCE 7-16 AND REPRESENT ULTIMATE PRESSURES. TO CONVERT ULTIMATE VALUES TO ALLOWABLE/ENDRAL VALUES MULTIPLY BY A 0.6 FACTOR. CONSULT WITH AN ENGINEER AS NECESSARY TO ENSURE THE APPROPRIATE WIND PRESSURE (ULTIMATE OR NOMINAL) IS USED WHEN COMPARING TO CODE APPLICABLE OR PERFORMING WIND DESIGN. ADDITIONAL MODIFICATIONS, REDUCTIONS, OR CONDITIONS NOT INDICATED MAY APPLY. SEE SHEET A2.02 FOR ADDITIONAL NOTES SHEET 7.
2. DISTANCE 'a' EQUAL TO 10% OF LEAST HORIZONTAL MAJOR PLAN DIMENSION, BUT NOT LESS THAN 3.0'.
3. ABOVE WIND PRESSURE LOADS REPRESENT VALUES FOR COMPONENTS WITH AREAS 10 SF OR LESS AND WALL VALUES INCLUDE INTERNAL PRESSURES. REDUCTION FOR A LARGER ELEMENT IS ALLOWED PER IBC/ASCE 7.
4. ROOF CORNER UPLIFT PRESSURES CAN BE IGNORED WHERE A NET PARAPET HEIGHT TO ROOF SURFACE OF 3-0' OR GREATER IS MAINTAINED.
5. PARAPET PRESSURES SHALL BE DETERMINED BY COMBINING WALL WINDWARD LOADS AND ROOF EDGE/CORNER UPLIFT PRESSURES PER IBC/ASCE, 7.

-WIND REQUIREMENTS:
WIND SPEED: 182 MPH
EXPOSURE: C
RISK CATEGORY: IV

-SNOW REQUIREMENTS:
GROUND SNOW Pg: 0 PSF
ROOF SNOW Pf: 0 PSF
IMPORTANCE FACTOR: 1.2

-SEISMIC REQUIREMENTS:
DESIGN ACCELERATION, Sds: X
IMPORTANCE FACTOR: SDC A,
SEISMIC DESIGN CATEGORY: X

-LIVE LOAD REQUIREMENTS:
FLOOR LIVE LOAD: 100 PSF
ROOF LIVE LOAD: 20 PSF

NOTE: REFERENCE S1.01 FOR STRUCTURAL LOADS, LOAD DIAGRAM DRAWINGS, AND ADDITIONAL STRUCTURAL DESIGN REQUIREMENTS.

PLUMBING FIXTURES CALCULATIONS PER FPC 403.1

OCCUPANT LOAD ACCORDING LIFE SAFETY PLAN = 351
TOTAL AREA 29,736 SF

PLUMSBING FIXTURE TYPE	REQUIRED	PROVIDED
WATER CLOSETS	6 (1 PER 75)	16
LAVATORIES	4 (1 PER 100)	50
BATHTUBS/SHOWERS	-	-
DRINKING FOUNTAINS	1 (1 PER 500)	2
OTHERS	-	2 SOILED SINKS 1 MOP SINK

PER FGI MINIMUM OF ONE PATIENT TOILET PER ROOM PER EIGHT TREATMENT ROOMS OR FEWER AND EACH FRACTION THEREOF SHALL BE PROVIDED, WITH HAND-WASHBSTS STATIONS IN EACH TOILET ROOM.

PARKING REQUIREMENTS PER BROWARD LDC SEC 808 & FBC-ACCESIBILITY TABLE 208.2

PARKING	REQUIRED	PROVIDED
1 PARKING PER EVERY 200SF	149	149
FOR EVERY 76-100	2	8

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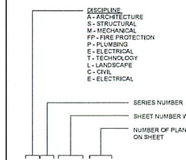

A2.10/01

INDEX KEY:

- NOT ISSUED
- (X) ISSUED FOR INFORMATION & COORDINATION
- ISSUE FOR CONSTRUCTION

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E9.03	PANEL SCHEDULES	
E9.04	PANEL SCHEDULES	
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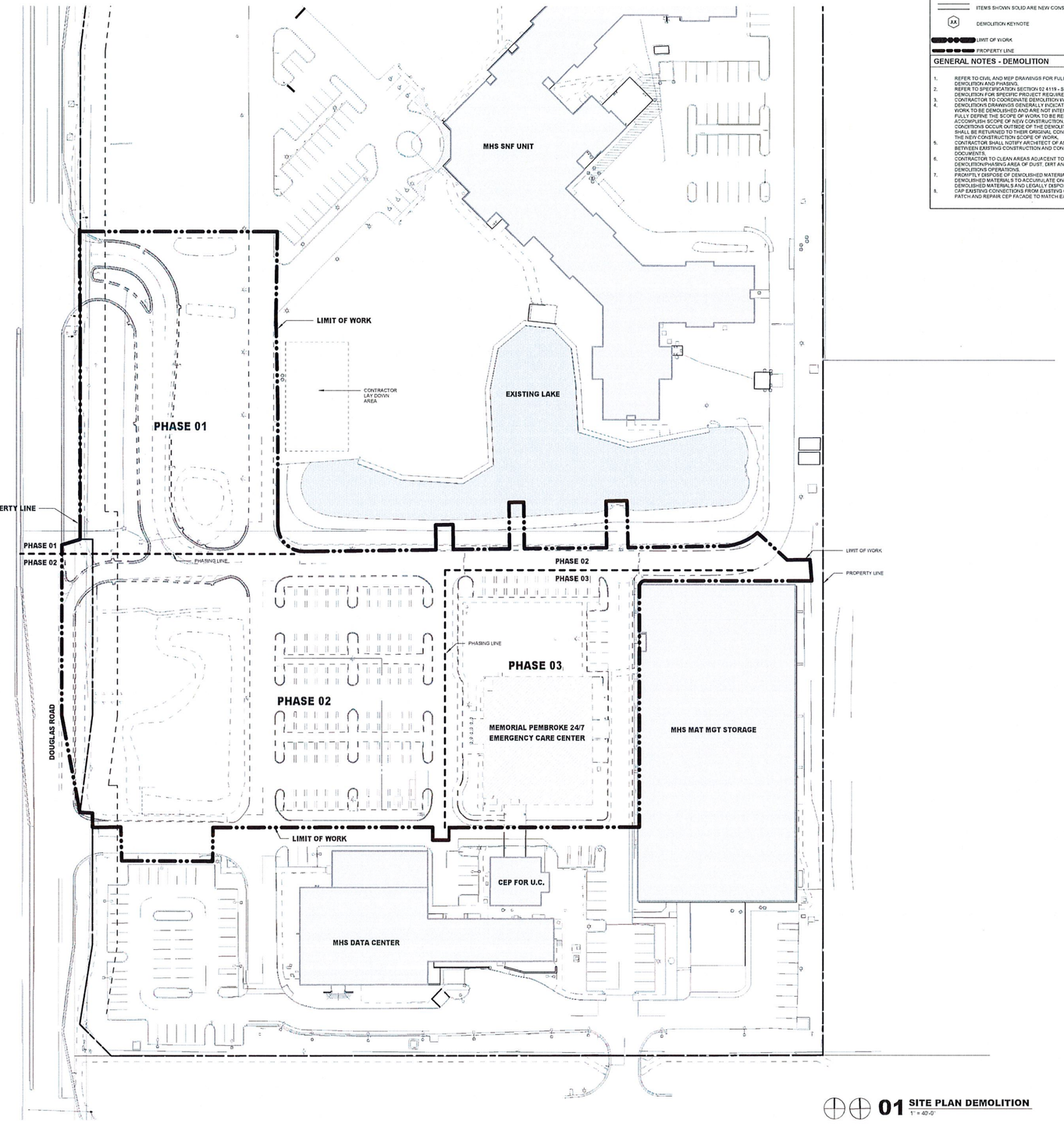
T0.01	TECHNOLOGY FACEPLATE DETAILS	
T0.00	TECHNOLOGY SITE PLAN	
T1.00	TECHNOLOGY LEVEL 01 - JHOOK PATHWAY	
T1.01	TECHNOLOGY LEVEL 01 - OVERALL	
TO1.01	TECHNOLOGY LEVEL 01 - IT EQUIPMENT	
T4.01	LARGE SCALE COMM ROOM	
T5.00	TECHNOLOGY DETAILS	
T6.01	TECHNOLOGY RISER DIAGRAM	
MEDICAL EQUIPMENT		
QH2.11	LEVEL 01 MEDICAL EQUIPMENT PLAN	
SIGNAGE		
WF0.01	SIGNAGE - COVER SHEET	
WF1.01	SIGNAGE - SITE PLAN	
WF2.01	SIGNAGE BUILDING ELEVATIONS	
WF2.02	SIGNAGE - BUILDING RENDERS	
WF3.01	SIGNAGE - MONUMENTS AND DIRECTIONALS	
WF3.02	SIGNAGE - BUILDING LETTERSETS	
WF3.03	SIGNAGE - CANOPY LETTERSETS	
WF4.01	SIGNAGE - INTERIOR SIGN STANDARDS	
WF4.02	SIGNAGE - INTERIOR FLOOR PLAN	
WF4.03	SIGNAGE - INTERIOR MESSAGE SCHEDULE	
WF4.04	SIGNAGE - INTERIOR SPECIFICATIONS	

DRAWING ABBREVIATIONS

A		**D**		**H**		**N**		**S**		**W**	
AB	ANCHOR BOLT	D	DEPTH	HB	HOSE BIB	NA	NOT AVAILABLE	SAB	SOUND ATTENUATION BLANKET	W	WITH
AD	AREA DRAIN	DBA	DEFORMED BAR ANCHOR	HDW	HARDWARE	NIC	NOT IN CONTRACT	SBC	STANDARD BUILDING CODE	WC	WHEEL CHAIR
AC	AIR CONDITIONING	DET	DETAIL	HDWD	HARDWOOD	NOA	NOTICE OF ACCEPTANCE BY FLORIDA GOVERNING AUTHORITY	SCHED	SCHEDULE	WO	WITHOUT
ACT	ACOUSTICAL CEILING TILE	DF	DECORATIVE FILM	HK	HOOK			SD	SUPERIMPOSED DEAD LOAD	WD	WIDTH
ADD	ADDENDUM	DIA	DIAMETER	HM	HOLLOW METAL			SECT	SECTION	WP	WATERPROOFING
ADDL	ADDITIONAL	DIAPH	DIAPHRAGM	HOR	HORIZONTAL	NOM	NOMINAL	SH	SHELF	WD	WOOD
ADJ	ADJACENT	DIM	DIMENSION	HP	HIGH POINT	NS	NEAR SIDE	SHWR	SHOWER	WF	WIDE FLANGE
AFF	ABOVE FINISHED FLOOR	DJ	DEFLECTION JOINT	HR	HOUR	NTS	NOT TO SCALE	SIM	SIMILAR	WL	WIND LOAD
AGGR	AGGREGATE	DL	DEAD LOAD	HS	HEADED STUD	NWC	NORMAL WEIGHT CONCRETE	SMH	SMOKE HUNG	WP	WORK POINT
AL ALUM	ALUMINUM	DN	DOWN	HSKP	HOUSEKEEPING			SO	STRUCTURAL OPENING	WPO	WORK POINT - POINT OF ORIGIN
ALT	ALTERNATE	DRG	DRAWING	HT	HEIGHT			SOG	SLAB ON GRADE		
ANOD	ANODIZED	DS	DOWN SPOUT	HV	HAND WASH			SP	STAND PIPE	WP1	WORK POINT - NUMBERED
APPROX	APPROXIMATE	DWGS	DRAWINGS	HW	HEAD OF WALL	**O**		SPA	SPACE, SPACING	WWF	WELDED WIRE FABRIC
ARCH	ARCHITECTURAL	DWLS	DOWELS			OA	OVER ALL	SPEC	SPECIFICATION		
B		**E**		**I**		OC	ON CENTER	SQ	SQUARE		
B.M.	BENCH MARK	EA	EACH	IBC	INTERNATIONAL BUILDING CODE	OD	OUTSIDE DIAMETER	SS	STAINLESS STEEL		
BD	BOARD	EF	EACH FACE	ID	INSIDE DIAMETER	OFCI	OVERFLOW DRAIN	SSF	SOLID SURFACE		
BETW	BETWEEN	EFG	ENTRANCE FLOOR GRILLE	INSUL	INSULATION		OWNER FURNISHED, CONTRACTOR INSTALLED	STA	STATION		
BF	BACKFACE	EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	INT	INTERIOR	OFOI	OWNER FURNISHED, OWNER INSTALLED	STC	SOUND TRANSMISSION CLASS		
BG	BUMPER GUARD	EJ	EXPANSION JOINT			OH	OPPOSITE HAND	STD	STANDARD		
BL	BED LOCATOR	EL	ELEVATION	**K**		OPNG	OPENING	STIFF	STIFFENER		
BLDG	BUILDING	ELEC	ELECTRIC	K	KIPS (1000 LB)	OPP	OPPOSITE	STIR	STIRRUP		
BLKG	BLOCKING	ELEV	ELEVATOR	KO	KNOCK-OUT	OSF	OUTSIDE FACE	STL	STEEL		
BM	BEAM	EOS	EDGE OF SLAB	KP	KEYPLATE			STRUC	STRUCTURAL		
BOT	BOTTOM	EQ	EQUAL	KPD	KEYPAD	**P**		SYM	SYMMETRICAL		
BR	BUMPER RAIL	EQUIP	EQUIPMENT	KSF	KIPS PER SQUARE FOOT	P LAM	PLASTIC LAMINATE	SYS	SYSTEM		
BRG	BEARING	ESC	ESCALATOR			PC	PRECAST CONCRETE	**T**			
BSMT	BASEMENT	EW	EACH WAY	**L**		PCF	POUNDS PER CUBIC FOOT	TDR	TECHNOLOGY DISTRIBUTION ROOM		
BU ROO	BACK-UP ROO	EWC	ELECTRIC WATER COOLER	L	ANGLE	PCP	PORTLAND CEMENT PLASTER	T	TREAD		
BUR	BUILT-UP ROOF	EXIST	EXISTING	LAV	LAVATORY	PENT	PENTHOUSE	TEB	TOP AND BOTTOM		
BW	BEARING WALL	EXP BLT	EXPANSION BOLT	LG	LONG	PL	PROPERTY LINE	TC	TOP OF CURB		
		EXT	EXTERIOR	LKB	LOCKABLE	PLMB	PLATE	TEL	TELEPHONE		
C				LL	LIVE LOAD	PLYWD	PLUMBING	TEMP	TEMPERATURE		
C	COMPACT PARKING SPACE	**F**		LLH	LONG LEG HORIZONTAL	PP	PLYWOOD	THK	THICK		
CC	CURCK CURTAIN	FD	FLOOR DRAIN	LLV	LONG LEG VERTICAL	POL	POLE/PILE	TLT	TOILET		
CDR	CARD READER	FDN	FOUNDATION	LOC	LOCATION	PORT CEM	PORTLAND CEMENT	TO	TOP OF		
CEM	CEMENT	FE	FIRE EXTINGUISHER	LP	LOW POINT	PNR	PANEL	TOB	TOP OF BEAM		
CER	CERAMIC	FEC	FIRE EXTINGUISHER CABINET	LT	LIGHT	PREFAB	PREFABRICATED	TOC	TOP OF CONCRETE		
CG	CORNER GUARD	FF	FINISH FLOOR	LWC	LIGHTWEIGHT CONCRETE	PSF	POUNDS PER SQUARE FOOT	TOF	TOP OF FOOTING		
CIP	CAST IN PLACE	FHC	FIRE HOSE CABINET			PSI	POUNDS PER SQUARE INCH	TOP	TOP OF PARAPET		
CJ	CONTROL JOINT	FIB	FIBERGLASS	**M**		PT	POINT	TOS	TOP OF SLAB		
CJ	CONSTRUCTION JOINT	FIN	FINISH	MAS	MASONRY	PT	PNEUMATIC TUBE	TOSTL	TOP OF STEEL		
CL	CENTER LINE	FLR	FLOOR	MATL	MATERIAL	PTD	PAINTED	TRSH CN	TRASH CHUTE		
CLG	CEILING	FS	FAR SIDE	MAX	MAXIMUM			TW	TOP OF WALL		
CLR	CLEAR	FT	FOOT	MECH	MECHANICAL	**R**		TYP	TYPICAL		
CMU	CONCRETE MASONRY UNIT	FTG	FOOTING	MEMB	MEMBRANE	R	RISER				
COL/M	COLUMN	FV	FIELD VERIFY	MEP	MECHANICAL, ELECTRICAL AND PLUMBING	RAD	RADIUS



01 **SITE PLAN DEMOLITION**
1" = 40'-0"

PLAN NORTH TRUE NORTH

DEMOLITION SYMBOLS

- ITEMS SHOWN DASHED ARE TO BE REMOVED.
- ITEMS SHOWN SCREENED ARE TO REMAIN.
- ITEMS SHOWN SOLID ARE NEW CONSTRUCTION.
- XX DEMOLITION KEYNOTE
- LIMIT OF WORK
- PROPERTY LINE

GENERAL NOTES - DEMOLITION

1. REFER TO CIVIL AND MEP DRAWINGS FOR FULL SCOPE OF SITE DEMOLITION AND PHASING.
2. REFER TO SPECIFICATION SECTION 02 4119 - SELECTIVE DEMOLITION FOR SPECIFIC PROJECT REQUIREMENTS.
3. CONTRACTOR TO COORDINATE DEMOLITION WORK SEQUENCE.
4. DEMOLITION DRAWINGS GENERALLY INDICATE EXISTING SCOPE OF WORK TO BE DEMOLISHED AND ARE NOT INTENDED TO LIMIT OR FULLY DEFINE THE SCOPE OF WORK TO BE REMOVED IN ORDER TO ACCOMPLISH SCOPE OF NEW CONSTRUCTION. WHERE THESE CONDITIONS OCCUR OUTSIDE OF THE DEMOLITION LIMITS, AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION AS PART OF THE NEW CONSTRUCTION SCOPE OF WORK.
5. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY CONFLICTS BETWEEN EXISTING CONSTRUCTION AND CONSTRUCTION DOCUMENTS.
6. CONTRACTOR TO CLEAN AREAS ADJACENT TO DEMOLITION/PHASING AREA OF DUST, DIRT AND DEBRIS CAUSED BY DEMOLITIONS OPERATIONS.
7. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. TRANSPORT DEMOLISHED MATERIALS AND LEGALLY DISPOSE OF THEM.
8. CAP EXISTING CONNECTIONS FROM EXISTING CEP TO EXISTING 24/7. PATCH AND REPAIR CEP FACADE TO MATCH EXISTING.

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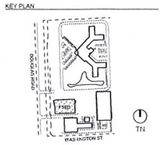
Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

STATE OF FLORIDA — JONATHAN G. BURGESS — AR99092 — REGISTERED ARCHITECT

KEY PLAN



REVISION

NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430

HKS PROJECT NUMBER
25566.000

DATE
OCTOBER 20, 2023

ISSUE
SITE PLAN SUBMITTAL

SHEET TITLE
SITE DEMOLITION AND PHASING

SHEET NO.
A1.00

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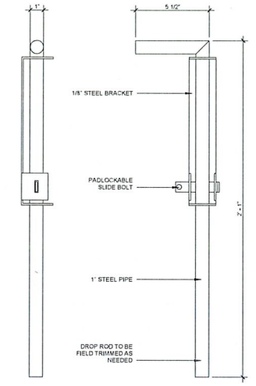
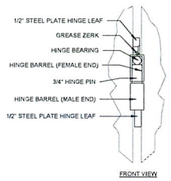
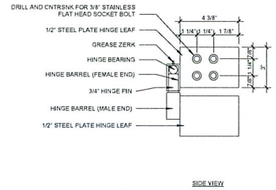


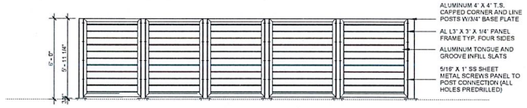




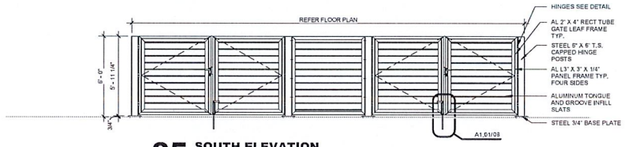


08 DROP ROD DETAIL
3" = 1'-0"

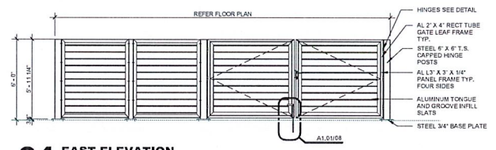
07 GORILLA HINGE DEAIL
3" = 1'-0"



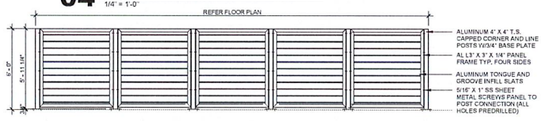
06 WEST ELEVATION
1/4" = 1'-0"



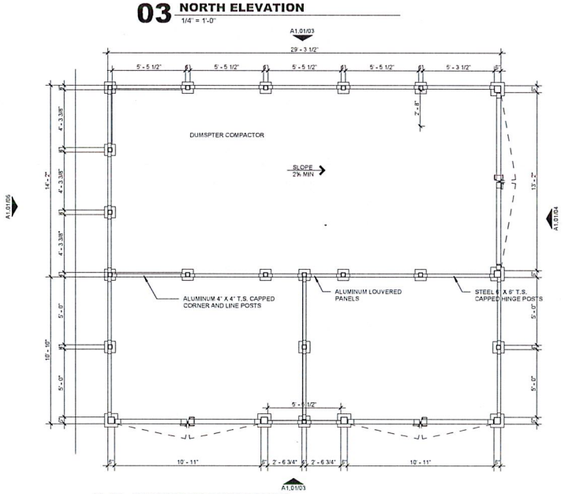
05 SOUTH ELEVATION
1/4" = 1'-0"



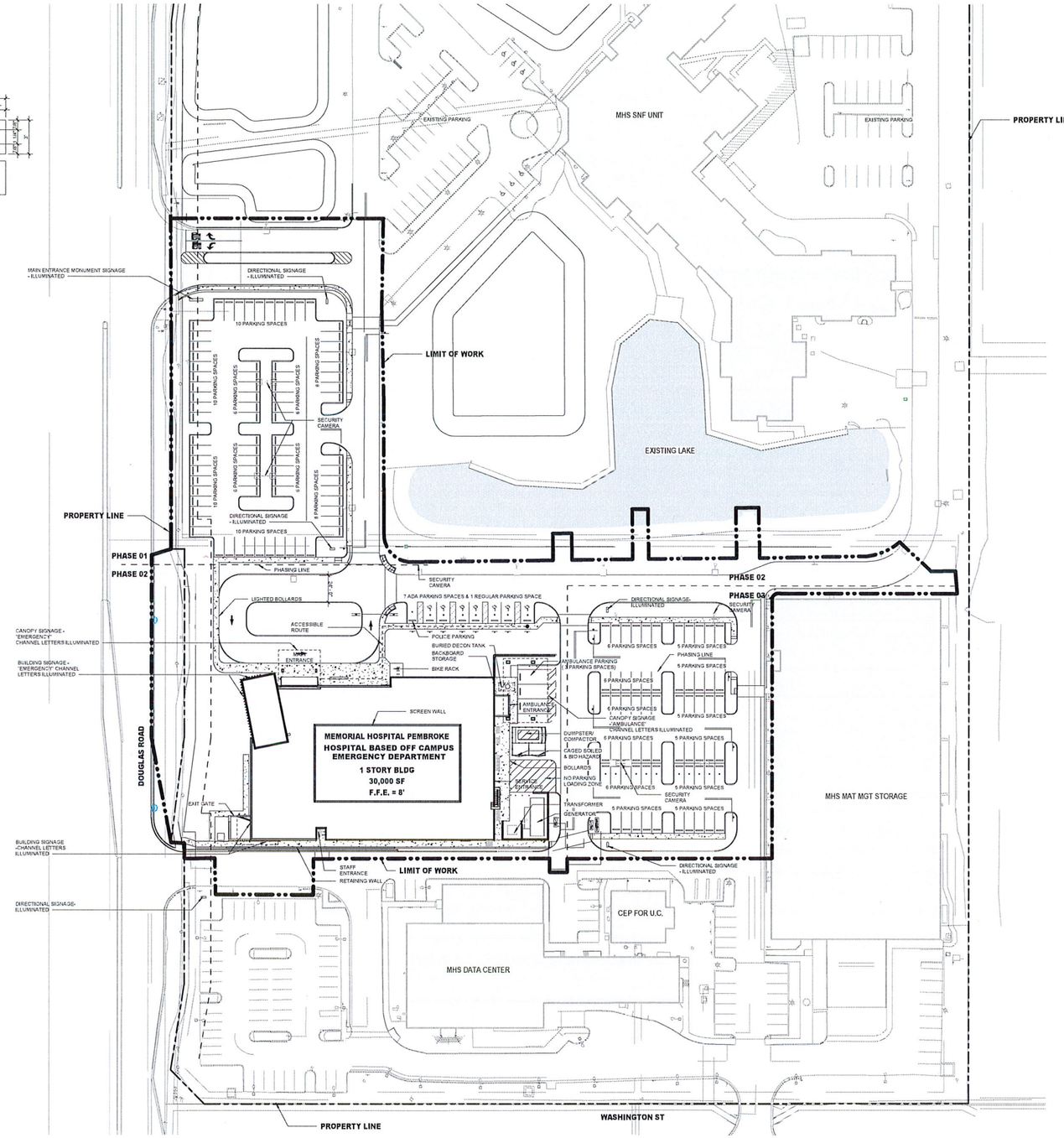
04 EAST ELEVATION
1/4" = 1'-0"



03 NORTH ELEVATION
1/4" = 1'-0"



02 DUMPSTER ENCLOSURE
1/4" = 1'-0"



01 ARCHITECTURAL SITE PLAN
1" = 40'-0"

PLAN NORTH | TRUE NORTH

SYMBOLS	
	LIMIT OF WORK
	PROPERTY LINE

GENERAL NOTES - SITE

1. ALL MECHANICAL EQUIPMENT LOCATED ON THE ROOF WILL BE FULLY SCREENED BY PARAPETS OR EQUIPMENT SCREENS THAT ARE EQUAL IN HEIGHT OR TALLER THAN THE EQUIPMENT.
2. REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND ACTUAL TOPOGRAPHIC CONSTRUCTION INFORMATION.

HKS

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Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

STATE OF FLORIDA
SHAWN G. KIMLEY
AR99092
REGISTERED ARCHITECT

REVISION

NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430

HKS PROJECT NUMBER
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DATE
OCTOBER 20, 2023

ISSUE
SITE PLAN SUBMITTAL

SHEET TITLE
ARCHITECTURAL SITE PLAN

SHEET NO.
A1.01

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FIRE ALARM SYMBOL LEGEND

- F — MANUAL PULL STATION
- S — CEILING SMOKE DETECTOR, PHOTOELECTRIC TYPE UNLESS OTHERWISE NOTED
- R — SUPERVISED ADDRESSABLE FIRE ALARM CONTROL RELAY
- COMBINATION HORN/STROBE, WALL MOUNTED, 75CD UNLESS OTHERWISE
- C — SPEAKER ONLY, CEILING MOUNTED
- WS VS — SPRINKLER WATERFLOW SWITCH CONNECTION
- STROBE, WALL MOUNTED, 75CD UNLESS OTHERWISE NOTED
- FACP — FIRE ALARM CONTROL PANEL

LIFE SAFETY LEGEND

ROOM NAME
150 SF — NAME AND AREA

- 1 HR FIRE BARRIER
- 1 HR SMOKE BARRIER
- 2 HR FIRE BARRIER
- 2 HR SMOKE BARRIER
- SMOKE PARTITION (NON RATED)
- NON RATED WALL
- SMOKE COMPARTMENT
- HORIZONTAL EXIT WALL
- OCCUPANCY SEPARATION WALL

- EXIT ENCLOSURE
- EXIT CORRIDOR
- SUITE
- BUS. OCCUPANCY
- ASSEMBLY
- STORAGE

- FDC — FIRE DEPARTMENT CONNECTION
- FEC — FIRE EXTINGUISHER CABINET
- FE — FIRE EXTINGUISHER
- FHC — FIRE HOSE CABINET
- SHDW — STANDPIPE HOSE CONNECTION CABINET
- EAC — EMERGENCY KEY CABINET
- EXIT SYMBOL

- EXIT SIGN - HATCH INDICATES EXIT TEXT & ARROW INDICATES DIRECTION
- XXX' - X" — TRAVEL DISTANCE FROM THE MOST REMOTE POINT TO THE CLOSEST EXIT
- XXX' - X" — TRAVEL DISTANCE WITHIN A SMOKE ZONE TO AN ADJACENT SMOKE ZONE

FIRST LEVEL SMOKE COMPARTMENT SUMMARY

Smoke Compartment	PRIMARY USE	AREA SF	OCCUPANT LOAD FACTOR PER PERSON	OCCUPANT LOAD
SC-1,1				
SC-1,1	ASSEMBLY (15SF) SUITE B 1.1	1621 SF	15	108
SC-1,1	BUSINESS	2906 SF	100	29
SC-1,1	STORAGE	147 SF	300	0
SC-1,1	TREATMENT	352 SF	240	1
SC-1,1	TREATMENT	342 SF	240	1
SC-1,1	TREATMENT	129 SF	240	1
SC-1,1	TREATMENT	162 SF	240	1
SC-1,1	TREATMENT	156 SF	240	1
SC-1,1	TREATMENT	380 SF	240	2
SC-1,1	TREATMENT	405 SF	240	2
SC-1,1	TREATMENT	602 SF	240	3
SC-1,1	TREATMENT	618 SF	240	3
SC-1,1	TREATMENT	931 SF	240	4
SC-1,1	TREATMENT	1243 SF	240	5
SC-1,1	TREATMENT	1268 SF	240	5
SC-1,1	TREATMENT	1246 SF	240	5
SC-1,1	TREATMENT	4182 SF	240	17
SC-1,1	TREATMENT SUITE B 1.1	1076 SF	240	13
SC-1,1		19745 SF		200
SC-1,2				
SC-1,2	ASSEMBLY (15SF) SUITE C 1.2	231 SF	7	33
SC-1,2	STORAGE	234 SF	300	1
SC-1,2	STORAGE SUITE C 1.2	215 SF	300	1
SC-1,2	TREATMENT	59 SF	240	0
SC-1,2	TREATMENT	155 SF	240	1
SC-1,2	TREATMENT	217 SF	240	1
SC-1,2	TREATMENT	482 SF	240	2
SC-1,2	TREATMENT	448 SF	240	2
SC-1,2	TREATMENT	676 SF	240	3
SC-1,2	TREATMENT	722 SF	240	3
SC-1,2	TREATMENT	980 SF	240	4
SC-1,2	TREATMENT	1148 SF	240	5
SC-1,2	TREATMENT SUITE C 1.2	552 SF	240	2
SC-1,2	TREATMENT SUITE C 1.2	554 SF	240	2
SC-1,2	TREATMENT SUITE C 1.2	878 SF	240	4
SC-1,2	TREATMENT SUITE C 1.2	1012 SF	240	5
SC-1,2	TREATMENT SUITE C 1.2	1976 SF	240	9
SC-1,2		10612 SF		76
Grand Total: 35		30357 SF		276

FIRST LEVEL EXIT SUMMARY

EXIT TYPE	EXIT	EXIT FACTOR	WIDTH PROVIDED IN INCHES	WIDTH REQUIRED IN INCHES	CAPACITY IN PERSONS
EXIT	A	0.2	80"	17"	400
EXIT	B	0.2	36"	17"	180
EXIT	C	0.2	90"	17"	450
EXIT	D	0.2	72"	17"	360
EXIT	E	0.2	36"	17"	180
EXIT	F	0.2	36"	17"	180
EXIT	G	0.2	36"	17"	180
EXIT	H	0.2	36"	17"	180
Grand total:					2112

SUITE A 1.1 | NON-SLEEPING | MAXIMUM ALLOWED = 10,000 SF | PROVIDED = 2,939
SUITE B 1.1 | NON-SLEEPING | MAXIMUM ALLOWED = 10,000 SF | PROVIDED = 4,681
SUITE C 1.2 | NON-SLEEPING | MAXIMUM ALLOWED = 10,000 SF | PROVIDED =2,956

FBC 407.5.1 REFUGE AREA: THE SIZE OF THE REFUGE AREA SHALL ACCOMODATE THE OCCUPANTS AND CARE RECIPIENTS OF THE ADJOINING SMOKE COMPARTMENT.

THE SIZE OF THE REFUGE AREA SHALL PROVIDE THE FOLLOWING:

1. NOT LESS THAN 30 SF FOR EACH CARE RECIPIENT CONFINED TO A BED OR STRETCHER
2. NOT LESS THAN 6 SF FOR EACH AMBULATORY CARE RECIPIENT

SMOKE COMPARTMENT 1.1 HAS AN OCCUPANT LOAD OF 306
309.3 X 6 SF = 1,836 SF
15 STRETCHERS X 30 SF = 450 SF
TOTAL OF 2,286 SF REQUIRED

SMOKE COMPARTMENT 1.2 HAS 8,296 SF ADDITIONAL SF AVAILABLE

NOTES:
1. KNOX BOX - refer to www.knoxbox.com; Comply NFPA 18.2.2.1



01 LEVEL 01 LIFE SAFETY PLAN
1/8" = 1'-0"

PLAN NORTH | TRUE NORTH

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2020 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL 33134

INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801

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MEP ENGINEER
TLC ENGINEERING SOLUTIONS
255 S. ORANGE AVE, STE 1600
ORLANDO, FL 32801

LOW VOLTAGE
SMITH SECKMAN REID, INC.
2535 SIDCO DRIVE,
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3300 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410

Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

STATE OF FLORIDA
JORDAN G. BARNES
AR99092
REGISTERED ARCHITECT

REVISION

NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
OCTOBER 20, 2023
ISSUE
SITE PLAN SUBMITTAL
SHEET TITLE
LIFE SAFETY PLAN
SHEET NO.
ALS.01

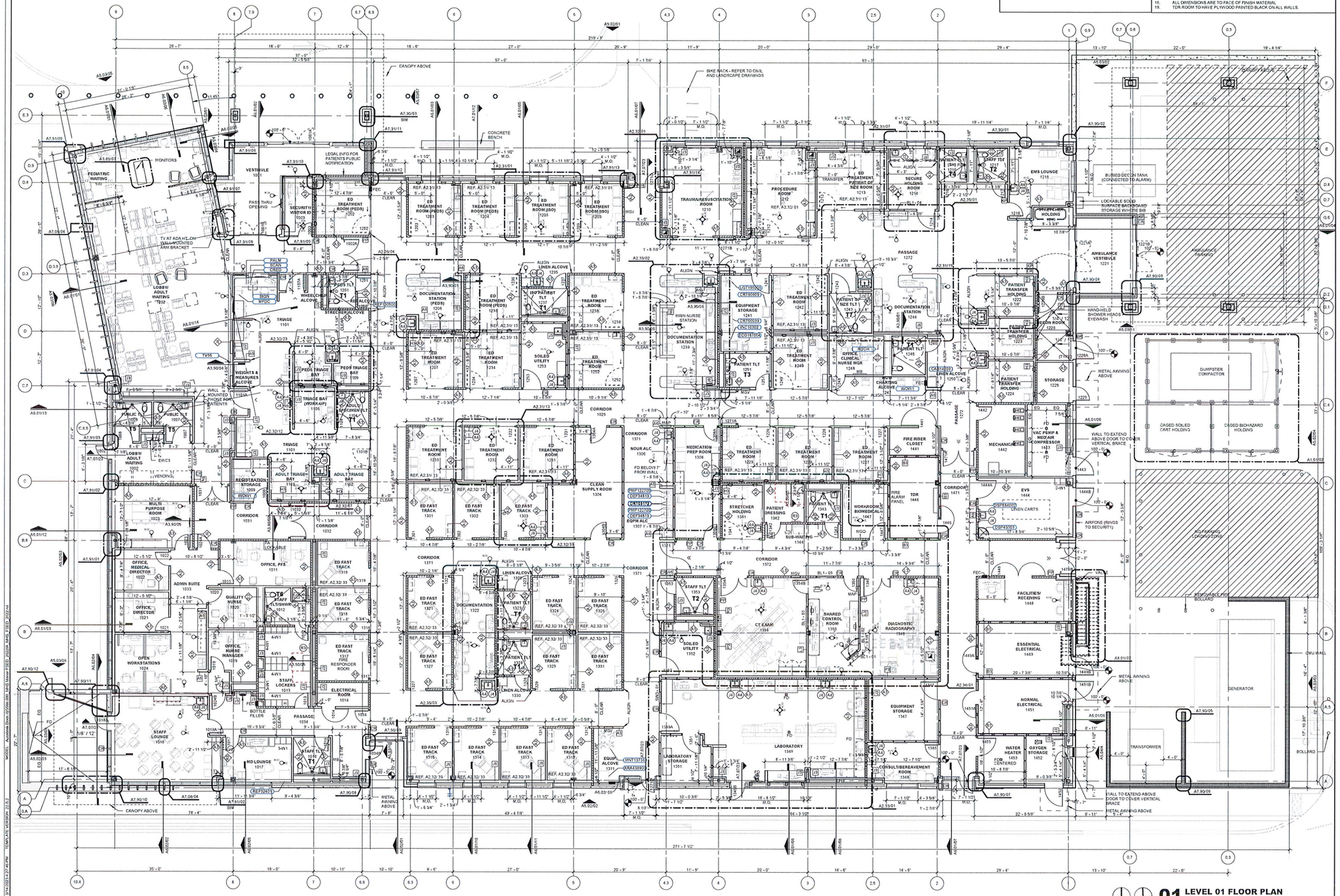
PRINT DATE: 9/14/2023 3:52:49 PM TEMPLATE VERSION: 22.0.2 MODEL: Autodesk Docs://25566.000 Mehl Memorial FSED_2022.rvt

FLOOR PLAN LEGEND

- NEW
- EXISTING
- NOT IN SCOPE
- 1 HOUR FIRE BARRIER
- 2 HOUR FIRE BARRIER
- SMOKE PARTITION (NON-RATED)
- 1 HOUR FIRE/SMOKE BARRIER
- 2 HOUR FIRE/SMOKE BARRIER
- 1 HOUR SHAFT BARRIER

GENERAL NOTES - FLOOR PLAN

1. REFER TO SHEET A3.00 FOR PARTITION TYPES, GRAPHIC AND SYMBOLIC DESIGNATIONS, NOTES, AND DETAILS.
2. REFER TO SHEET A3.10 FOR MISCELLANEOUS METAL FABRICATION (MF) TYPES AND DETAILS.
3. REFER TO SHEET A3.23 FOR TYPICAL TOILET LAYOUTS AND TOILET ACCESSORY MOUNTING DIAGRAMS.
4. REFER TO SHEET A3.24 FOR WALL PROTECTION TYPES AND DETAILS.
5. REFER TO SHEET A3.24 FOR LOCKER TYPE SCHEDULE.
6. REFER TO SHEET A3.23 FOR TOILET & ACCESSORY INFORMATION.
7. REFER TO SHEET A3.31 & A3.32 FOR DOOR INFORMATION, SCHEDULES AND DETAILS.
8. REFER TO SHEET A9.00 FOR FINISH INFORMATION AND SCHEDULES.
9. REFER TO SHEET A3.31 FOR LOUVER INFORMATION, SCHEDULES AND DETAILS.
10. REFER TO SHEET A3.50 FOR CASEWORK DETAILS AND INFORMATION.
11. REFER TO SHEET A3.60,A3.61 FOR MILLWORK AND INTERIOR ELEVATIONS.
12. REFER TO SHEET A5.02,A5.03 FOR EXTERIOR ELEVATIONS.
13. ALL EXTERIOR DIMENSIONS ARE FROM FACE OF EXTERIOR FINISH, U.N.O.
14. MASONRY DIMENSIONS ARE NOMINAL, U.N.O.
15. ALL INTERIOR PARTITIONS TO BE WALL TYPE A3 WITHOUT SOUND ATTENUATION U.N.O.
16. ALL COLUMN FURRING TO BE WALL TYPE M1 U.N.O.
17. REFER TO SHEET A3.38 FOR LEAD DETAILS
18. ALL DIMENSIONS ARE TO FACE OF FINISH MATERIAL
19. TDR ROOM TO HAVE PLYWOOD PAINTED BLACK ON ALL WALLS.



01 LEVEL 01 FLOOR PLAN
1/8" = 1'-0"

PLAN NORTH | TRUE NORTH

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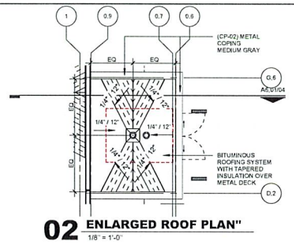
LEVEL 01 FLOOR PLAN

SHEET NO.
A2.11



02 ENLARGED ROOF PLAN"
1/8" = 1'-0"

GENERAL NOTES - ROOF PLAN

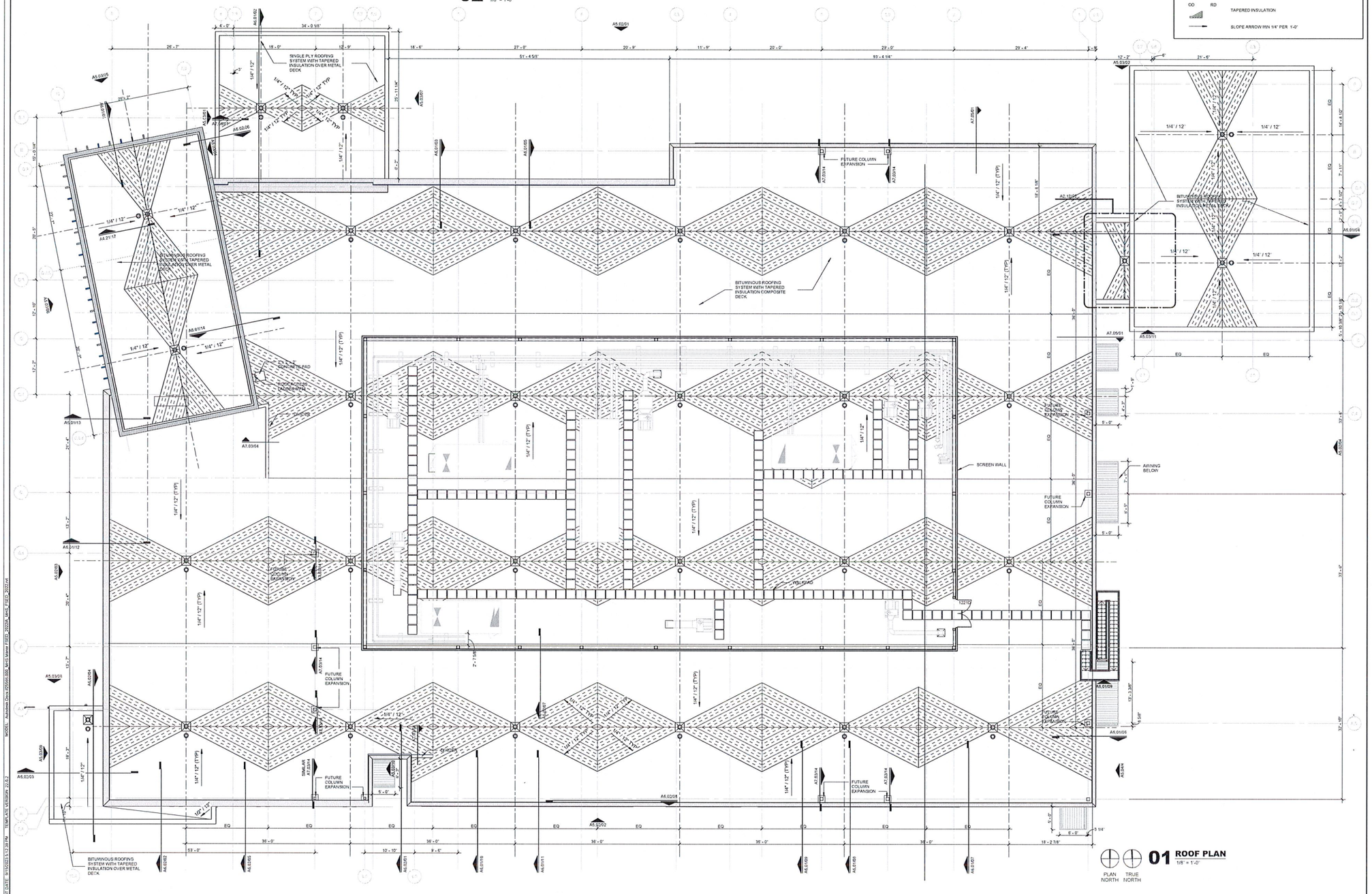
1. PROVIDE MINIMUM ROOFING THICKNESS TO ACHIEVE R-4
2. ALL ROOFING SURFACES TO SLOPE 1/4" VERTICAL PER 1' - 0" HORIZONTAL MINIMUM, UNLESS NOTED OTHERWISE. ACHIEVED WITH TAPERED INSULATION.
3. SLOPE AT DRAIN SUMP IS PER DETAILS.
4. NOT USED.
5. NOT USED.
6. REFER TO SHEET A7.03 FOR TYPICAL ROOF DETAILS.
7. ALL ROOF TOP MECHANICAL, ELECTRICAL AND/OR PLUMBING EQUIPMENT SHOWN FOR INFORMATION ONLY.
8. REFERENCE MECHANICAL, ELECTRICAL AND PLUMBING DOCUMENTS AND SPECIFICATIONS FOR SPECIFIC DESIGN INFORMATION AND FINAL DIMENSIONS.
9. PROVIDE WALKWAY PROTECTION TO MAJOR MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT AS REQUIRED TO PROVIDE SERVICE ACCESS.
10. WALKWAY PROTECTION IS INDICATED AS A GENERAL LAYOUT AND MAY NOT SHOW ALL FINAL LOCATIONS OF ALL EQUIPMENT.
11. NOT USED.

GENERAL NOTES - ROOF PLAN

ROOF DRAIN & OVERFLOW DRAIN

CO RD TAPERED INSULATION

SLOPE ARROW MIN 1/4" PER 1'-0"



01 ROOF PLAN
1/8" = 1'-0"

PLAN NORTH TRUE NORTH

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SHEET TITLE
ROOF PLAN OVERALL

SHEET NO.
A2.12

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EXTERIOR MATERIAL LEGEND

COMPOSITE METAL PANEL	FORMED METAL WALL PANEL	PRECAST CONCRETE UNITS	PORTLAND CEMENT PLASTER SYSTEM	ARCHITECTURAL METAL FINISH	METAL COPING	HIGH PERFORMANCE COATING	GLAZING	OPENINGS	DEFS	ROOFING	AWNING
(CMWP-01) COMPOSITE METAL WALL PANEL - WOOD LOOK	(FMWP-01) MEDIUM GRAY	(PC-01) ARCHITECTURAL PRECAST CONCRETE CLADDING UNITS	(PCP-01) PORTLAND CEMENT PLASTER SYSTEM - LIGHT TAN	(AMF-01) LIGHT TAN	(CP-01) METAL COPING - LIGHT TAN	(HPC-01) HIGH PERFORMANCE COATING	(GL-10) VISION INSULATING LAMINATED COATED GLASS	(EAT-01) ALUM SWINGING EXTERIOR DOOR ASSEMBLIES	(DEFS-01) DIRECT-APPLIED FINISH SYSTEM FOR SOFFITS	(BIT-01) MOD BIT ROOF SYSTEM OVER TAPERED INSULATION	(AWN-01) EXTERIOR AWNING - MEDIUM GRAY
(CMWP-02) COMPOSITE METAL WALL PANEL - MEDIUM GRAY				(AMF-02) MEDIUM GRAY	(CP-02) METAL COPING - MEDIUM GRAY		(GL-11) VISION INSULATING LAMINATED COATED GLASS	(HM-02) HM DOOR DOUBLE			
(CMWP-03) COMPOSITE METAL WALL PANEL - BENIGNAL BLUE				(AMF-03) PURE WHITE			(GL-12) Exterior DOOR GLASS - LAMINATED	(HM-01) HM DOOR SINGLE			
				(AMF-04) MEMORIAL BLUE			(GL-13)INTERIOR DOOR GLASS - LAMINATED	(EXT-06) AUTOMATIC ENTRANCES ASSA ABLOY			
								(CW-10) CURTAINWALL SYSTEM			



EXTERIOR MATERIAL SELECTION MATRIX

MARK	SPECIFICATION	LOCATION	MANUFACTURER	MODEL/COLOR	PATTERN	COMMENTS	FPA / NOA	URL
ARCHITECTURAL METAL FINISH (AMF)								
AMF-01	- GENERAL SELECTIONS		SHERWIN WILLIAMS	SHERWIN WILLIAMS LIGHT TAN				
AMF-02	- GENERAL SELECTIONS		SHERWIN WILLIAMS	SHERWIN WILLIAMS MEDIUM GRAY				
AMF-03	- GENERAL SELECTIONS		SHERWIN-WILLIAMS	SHERWIN WILLIAMS PURE WHITE				
AMF-04	- GENERAL SELECTIONS		SHERWIN WILLIAMS	MEMORIAL BLUE (CONFIRM WITH MARKETING)				
ARCHITECTURAL METAL SCREEN								
AMS-01	- GENERAL SELECTIONS		METALCO	GRIGLIATO ARCHITECTURAL SCREEN SYSTEM				https://mlrcorp.com/
AWNINGS (AWN)								
AWN-01	- GENERAL SELECTIONS	EXTERIOR AWNINGS	MAPES	SUPER LUMIDECK FLAT SOFFIT, MATCH COLOR TO AMF-02				https://mapescanopies.com/super-lumideck-flat-soffit/
ARCHITECTURAL PRECAST CONCRETE CLADDING UNITS (PC)								
PC-01	DIVISION 5 - 034500	FIELD COLOR	GATE PRECAST	TO MATCH SW7016 "MINDFUL GRAY"	LIGHT/MEDIUM SAND BLAST			
DIRECT-APPLIED FINISH SYSTEM FOR SOFFITS (DEFS)								
DEFS-01	DIVISION 7 - 072423	EXTERIOR SOFFITS	STO CORP.	STOQUIKS GOLD FINISH SYSTEM FOR SOFFITS AND CEILINGS , ACRYLIC PLASTER FINISH / SW9165 "GOSSAMER VEIL"	FINE	DIRECT-APPLIED FINISH SYSTEM FOR SOFFITS	NA	WWW.STOCORP.COM
MODIFIED BITUMINOUS MEMBRANE								
BIT-01	DIVISION 7 - 075200	ROOFING	SIPLAST	STANDARD COLOR TO BE SELECTED BY THE ARCHITECT		MODIFIED BITUMINOUS MEMBRANE ROOFING (BIT)		
FORMED METAL WALL PANEL								
FMWP-01	DIVISION 7-074213	ROOF SCREEN	MORIN KINGSPAN	INTEGRITY JC-12 MEDIUM GRAY			FPA: 15454,1 R3	
COMPOSITE METAL WALL PANELS (CMWP)								
CMWP-01	DIVISION 7-074243	CANOPY SOFFITS	ARCONIC REYNOBOND	REYNOBOND - FRENCH WALNUT			FPA: 11794,1	https://www.arconic.com, https://www.floridabuilding.org/uploss/PR_Instl_Doc/FL11794_R3_E_Reyno-LM-FPA.pdf
CMWP-02	DIVISION 7-074243	CANOPY FASCIA AND CURTAINWALL INFILL PANELS	ARCONIC REYNOBOND	REYNOBOND - MEDIUM GRAY			FPA: 11794,1	https://www.arconic.com, https://www.floridabuilding.org/uploss/PR_Instl_Doc/FL11794_R3_E_Reyno-LM-FPA.pdf
CMWP-03	DIVISION 7-074243	WINDOW FRAMES AT CORRIDORS	ARCONIC REYNOBOND	AMF-03			FPA: 11794,1	https://www.arconic.com, https://www.floridabuilding.org/uploss/PR_Instl_Doc/FL11794_R3_E_Reyno-LM-FPA.pdf
FLASHING AND SHEET METAL (CP)								
CP-01	DIVISION 7- 076200	USE AT (PC-01) AND (PCP-01)		AMF-01				
CP-02	DIVISION 7- 076200	USE AT CURTAINWALL SYSTEM		AMF-02				
HOLLOW METAL DOORS AND FRAMES (HM)								
HM-01	DIVISION 8 - 081113		CECO DOOR PRODUCTS	FLUSH SINGLE COMMERCIAL STEEL DOORS		FLUSH SINGLE COMMERCIAL STEEL DOORS	FPA: 32093,2	https://www.floridabuilding.org/uploss/PR_Certificate/FL32093_R1_C_CAC_2fdk49.pdf
HM-02	DIVISION 8 - 081113		CECO DOOR PRODUCTS	FLUSH PAIRS OF COMMERCIAL STEEL DOORS		FLUSH PAIRS OF COMMERCIAL STEEL DOORS	FPA: 32093,1	https://www.floridabuilding.org/uploss/PR_Certificate/FL32093_R1_C_CAC_2fdk49.pdf
EXTERIOR ALUMINUM ENTRANCE DOORS								
EAT-01	DIVISION 8 - 084213		KAWNEER COMPANY	IR350/500 HW LMI OUT-SWING DOORS		DOOR SYSTEM IS RATED AS A WIND ZONE 4 MISSILE LEVEL "D" AND "E" PRODUCT.	FPA: 15850,2	https://www.floridabuilding.org/uploss/PR_Instl_Doc/FL15850_R3_E_Drwing1,201821.pdf
AUTOMATIC ENTRANCES								
EAT-06	DIVISION 8 - 084229		STANLEY ACCESS TECHNOLOGIES LLC	DURA-STORM 3000 SERIES AUTO SGD - MISSILE LEVEL E		BOD	NOA NO. 20-1218.24 / FPA: 18003.4, EXPIRATION: SEPTEMBER 27, 2023	https://floridabuilding.org/uploss/PR_Instl_Doc/FL18003_R2_E_DWG_4.pdf
GLAZED ALUMINUM FRAMING SYSTEMS (CW)								
CW-10	DIVISION 8 - 084450		PHYSICAL SECURITY, LLC	PS RT3 SERIES CURTAINWALL SYSTEM		CAPTURED OR SSG CURTAINWALL SYSTEM (LM)	FPA: 19026,1, EXPIRATION: 12/31/2021	HTTPS://WWW.FLORIDABUILDING.ORG/UPLOAD/PR_INSTL_DOC/FL19026_R7_E_RT3LMDWG2.PDF
GLAZING (GL)								
GL-10	DIVISION 8 - 088000	PROJECT VISION GLASS	VIRACON	VNE18-63		VISION INSULATING LAMINATED COATED GLASS		https://www.viracon.com/
GL-11	DIVISION 8 - 088000	PROJECT SPANDREL GLASS	VIRACON	VNE18-63 (VIS1 WHITE)		SPANDREL INSULATING LAMINATED COATED GLASS		https://www.viracon.com/
GL-12	DIVISION 8 - 088000	EXTERIOR SWING AND SLIDING DOORS		CLEAR				
GL-13	DIVISION 8 - 088000	INTERIOR SWING AND SLIDING DOORS		CLEAR				
CEMENT PLASTER (PCP)								
PCP-01	DIVISION 9 - 092423	FIELD COLOR		TO MATCH SW9165 "GOSSAMER VEIL"	FINE	PORTLAND CEMENT PLASTER SYSTEM	NOA No. 22-1219.05	https://www.miamidade.gov/building/library/productcontrol/noa/21215O5.pdf
HIGH PERFORMANCE COATINGS (HPC)								
HPC-01	DIVISION 9 - 099600		SHERWIN-WILLIAMS	SW7005 "PURE WHITE" (AMF-03)				

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STATE OF FLORIDA — JUSTIN G. SORBY — AR99092 — REGISTERED ARCHITECT

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SHEET TITLE
EXTERIOR MATERIAL SELECTIONS

SHEET NO.
A5.01

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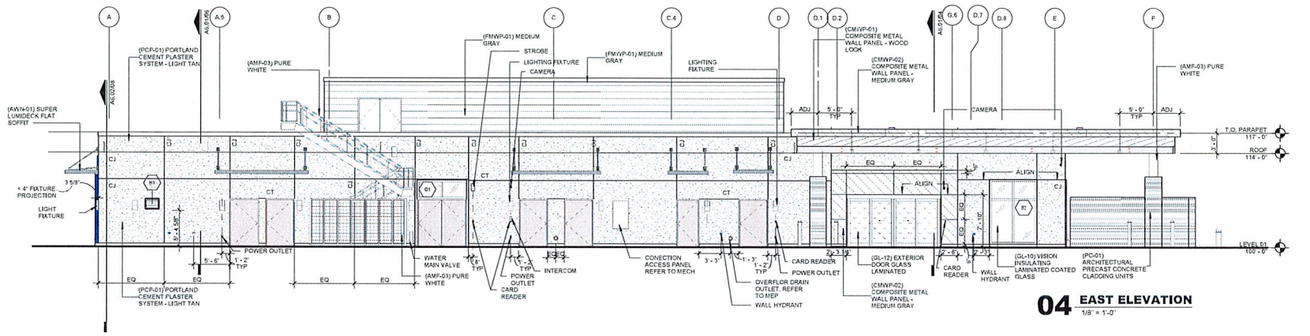
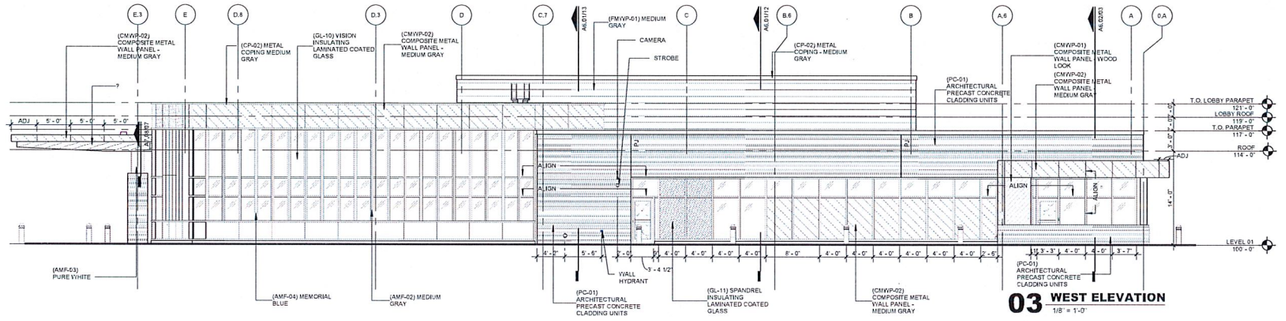
GENERAL NOTES - EXTERIOR ELEVATIONS

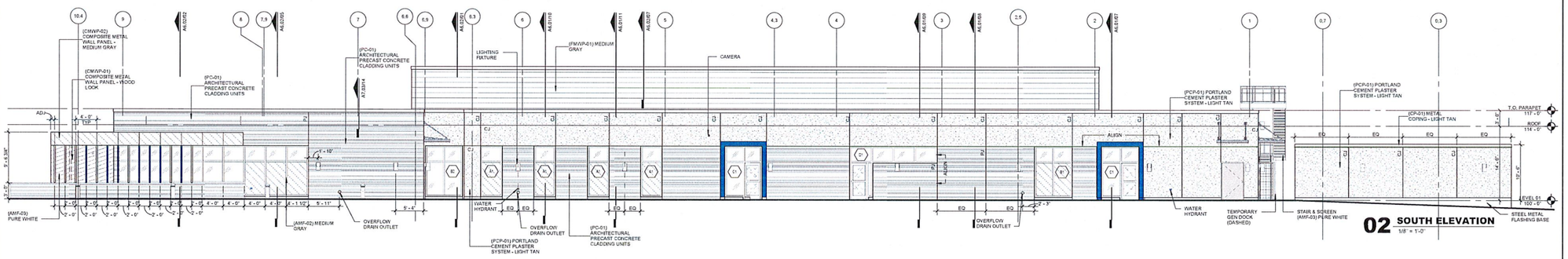
1. REFER TO SHEET A5.01 FOR MATERIAL EXTERIOR, MATERIAL LEGEND AND MATERIAL TAGS



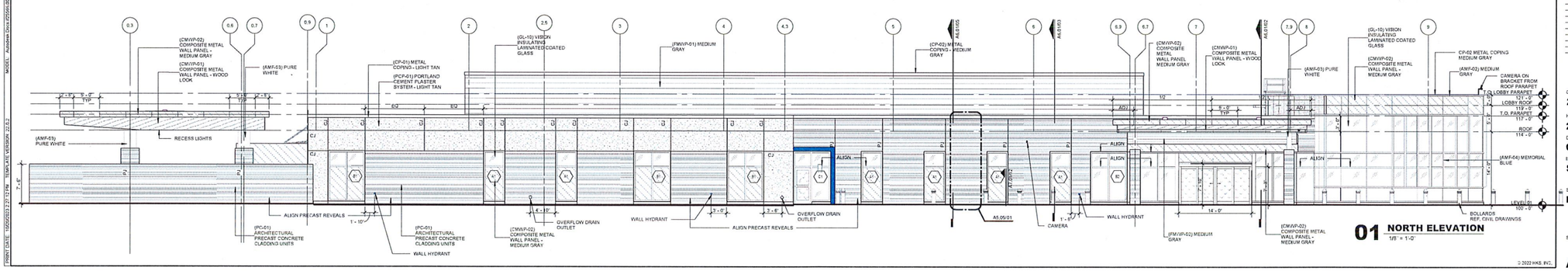
04 EAST ELEVATION 1/8" = 1'-0"



03 WEST ELEVATION 1/8" = 1'-0"



02 SOUTH ELEVATION 1/8" = 1'-0"



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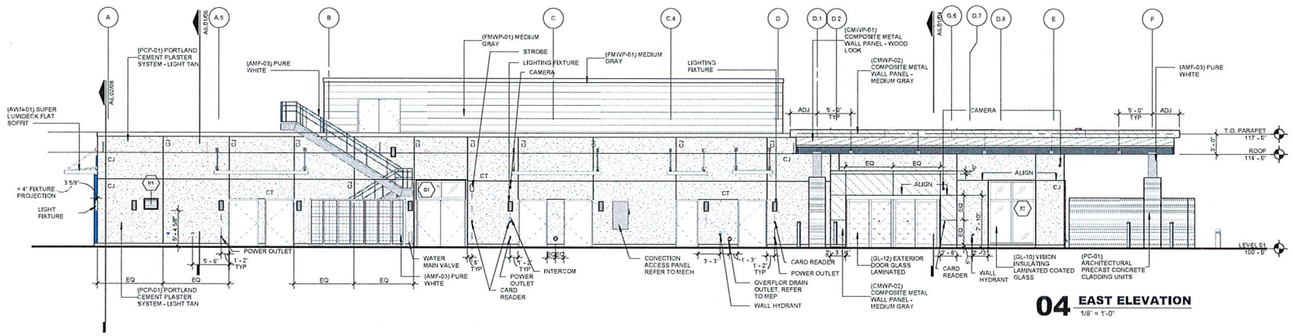

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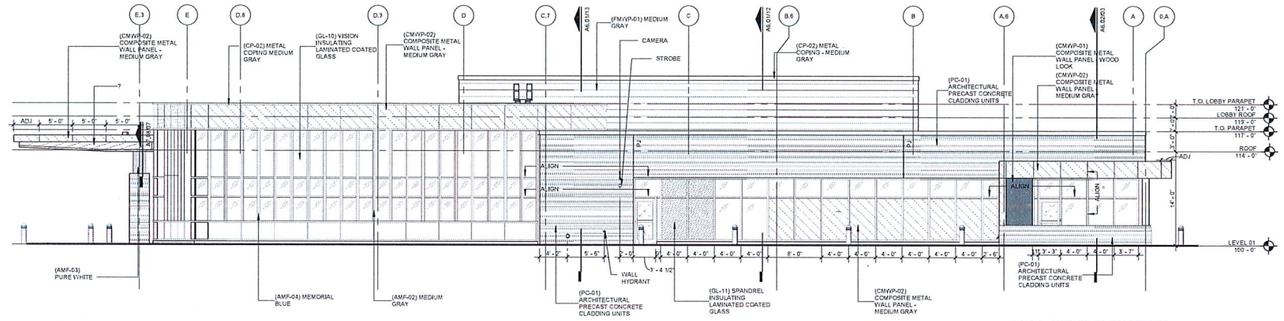

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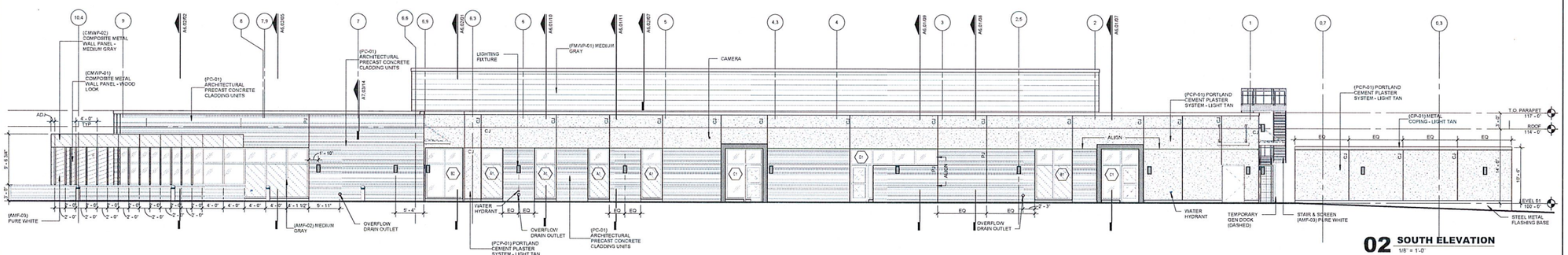

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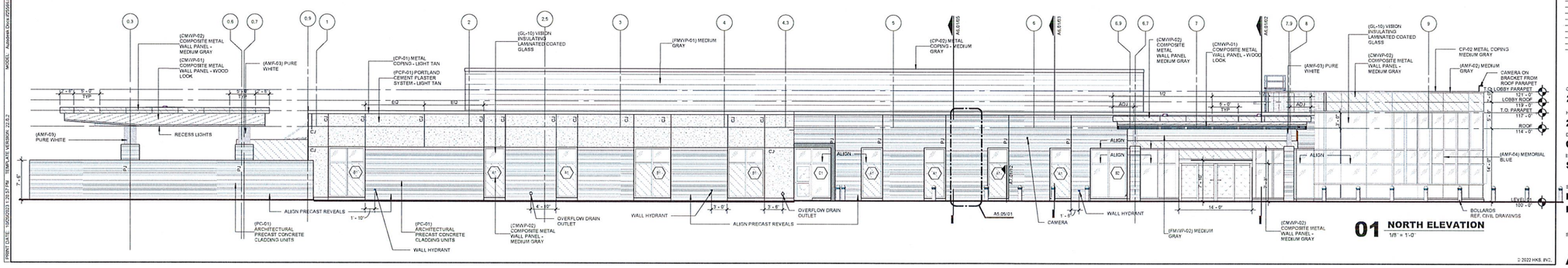

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ORLANDO, FL 32801

STRUCTURAL ENGINEER
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DALLAS, TX 75201

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TLC ENGINEERING SOLUTIONS
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ORLANDO, FL 32801

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2305 BIDDO DRIVE
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3300 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEWA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410

Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

STATE OF FLORIDA
SHAWN G. BOWEN
AR99092
REGISTERED ARCHITECT

REVISION

NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430

HKS PROJECT NUMBER
25566.000

DATE
OCTOBER 20, 2023

ISSUE
SITE PLAN SUBMITTAL

SHEET TITLE
EXTERIOR ELEVATIONS BLACK AND WHITE

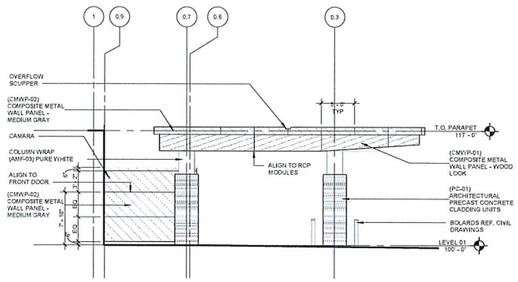
SHEET NO.
A5.02A

TITLE BLOCK VERSION 20210323
PRINT DATE: 10/20/2023 1:29:37 PM TEMPLATE VERSION 23.0.2
MODEL: Autodesk Docs://25566.000_MHS Miami (FIEU)_2022.rvt

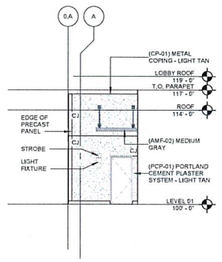
TITLE BLOCK VERSION - 2021.09.03

GENERAL NOTES - EXTERIOR ELEVATIONS

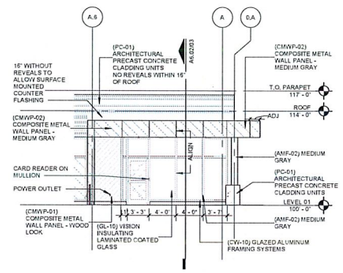
1. REFER TO SHEET A5.01 FOR MATERIAL EXTERIOR, MATERIAL LEGEND AND MATERIAL TAGS



AMBULANCE CANOPY
11 SOUTH ELEVATION
1/8" = 1'-0"



10 STAFF ENTRANCE
1/8" = 1'-0"



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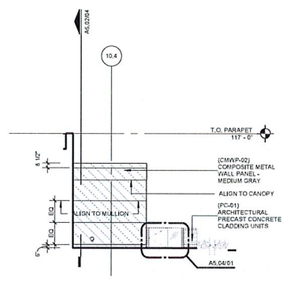
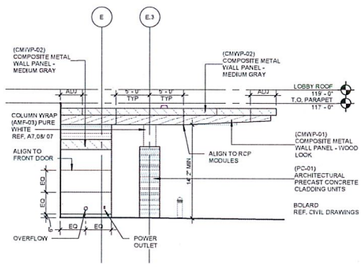
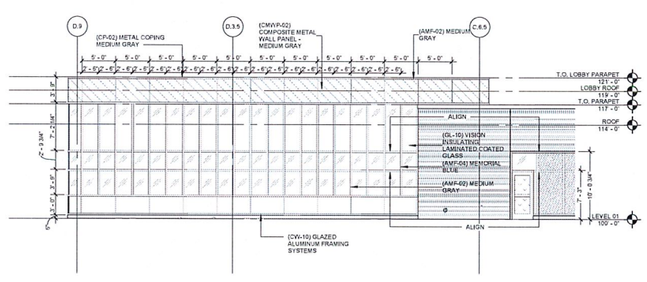
1/8" = 1'-0"



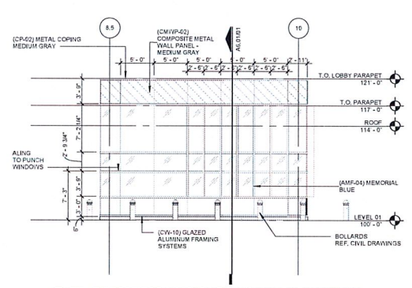
STAFF TERRACE
08 NORTH ELEVATION
1/8" = 1'-0"



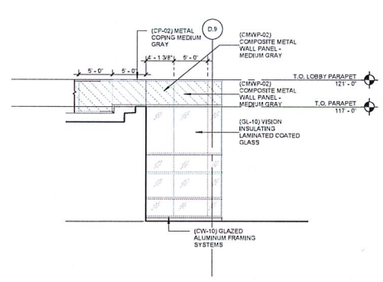
07 CANOPY EAST ELEVATION
1/8" = 1'-0"



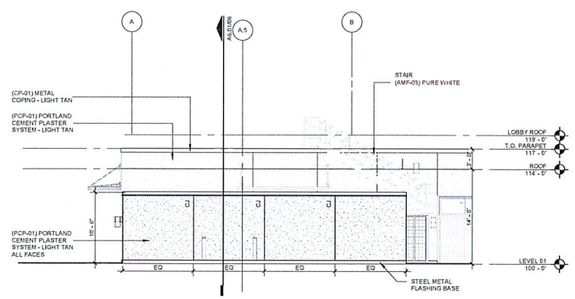
06 PEDIATRIC WAITING - WEST ELEVATION
1/8" = 1'-0"



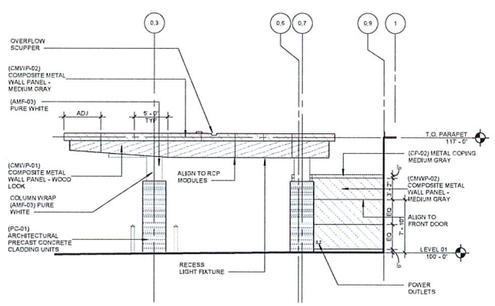
05 PEDIATRIC WAITING - NORTH ELEVATION
1/8" = 1'-0"



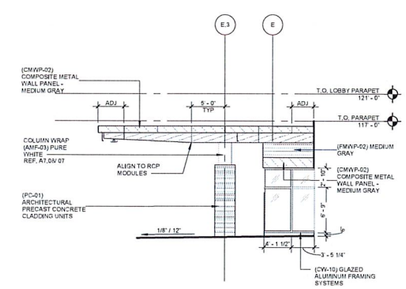
04 PEDIATRIC WAITING - EAST ELEVATION
1/8" = 1'-0"



GENERATOR SCREEN
03 EAST ELEVATION
1/8" = 1'-0"



AMBULANCE CANOPY
02 NORTH ELEVATION
1/8" = 1'-0"



01 CANOPY
WEST ELEVATION
1/8" = 1'-0"

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MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
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HKS ARCHITECTS, INC.
2020 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL 33134
INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801
STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
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NASHVILLE, TN 37204
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Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

STATE OF FLORIDA — EDWIN G. SCHEU — AR99092 — REGISTERED ARCHITECT

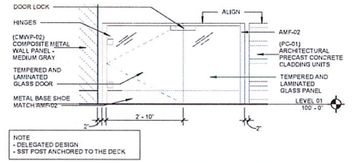
REVISION

NO.	DESCRIPTION	DATE

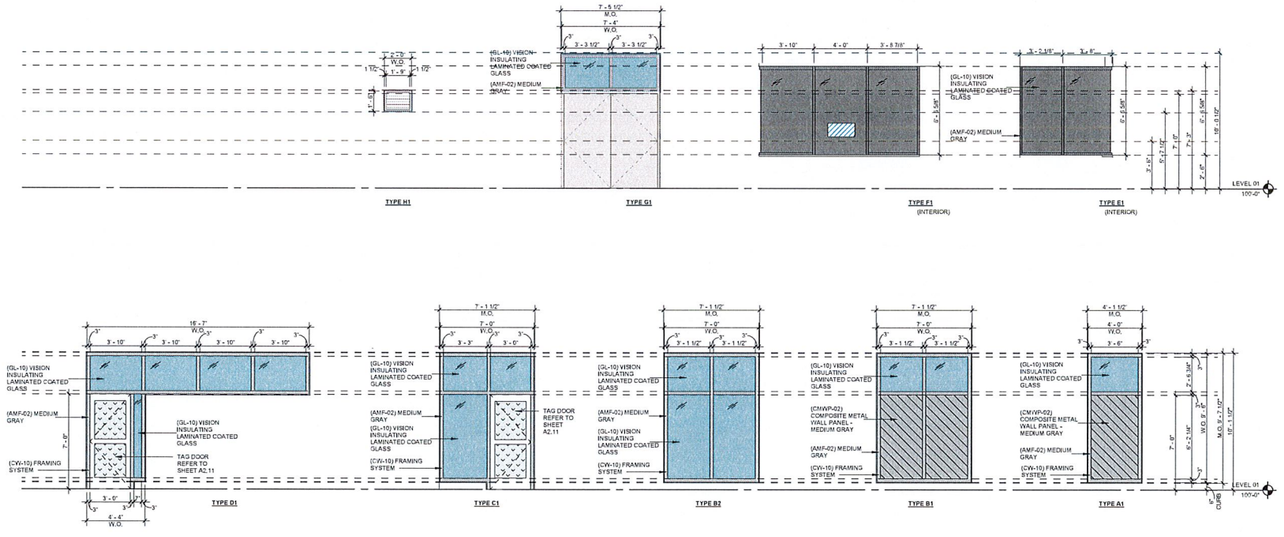
CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
OCTOBER 20, 2023
ISSUE
SITE PLAN SUBMITTAL
SHEET TITLE
EXTERIOR ELEVATIONS
SHEET NO.
A5.03

PRINT DATE: 10/20/2023 2:26:47 PM TEMPLATE VERSION - 22.0.2 MODEL: Adelaide Drive (25566.000_Mod Master FIXED_2022R_MHS_FIXED_2022).rvt

GENERAL NOTES - EXTERIOR ELEVATIONS
1. REFER TO SHEET A5.01 FOR MATERIAL EXTERIOR, MATERIAL LEGEND AND MATERIAL TAGS



01 STAFF TERRACE DOOR
1/2" = 1'-0"



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Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS
EMERGENCY DEPARTMENT

STATE OF FLORIDA
JOHN G. BORELL
AR99092
REGISTERED ARCHITECT

REVISION

NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430

HKS PROJECT NUMBER
25566.000

DATE
OCTOBER 20, 2023

ISSUE
SITE PLAN SUBMITTAL

SHEET TITLE
WINDOW SCHEDULE

SHEET NO.
A5.04

TITLE BLOCK VERSION 2021/03/30

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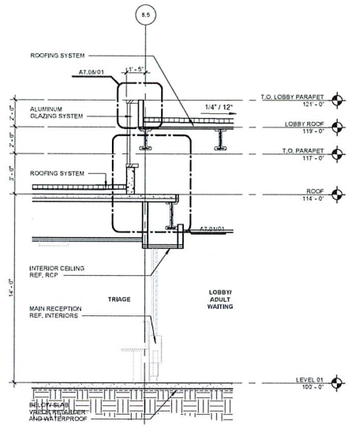
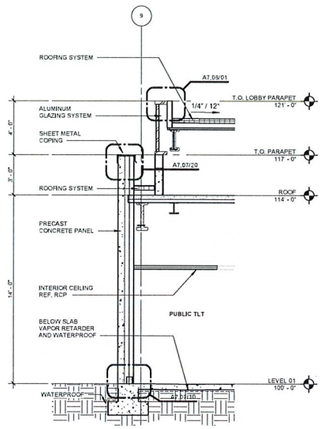
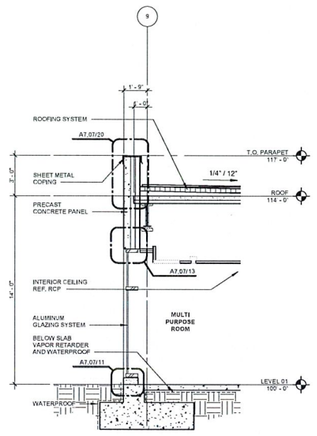


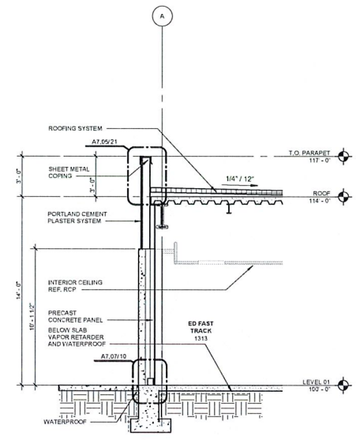
14 WALL SECTION AT LOBBY
1/4" = 1'-0"



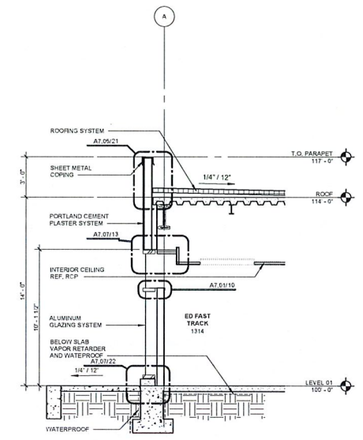
13 WALL SECTION
1/4" = 1'-0"



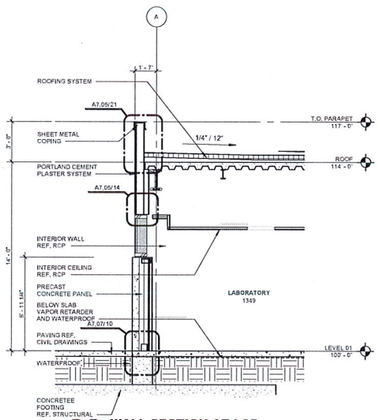
CURTAIN WALL SECTION TYPICAL
12 WINDOW - PRECAST
1/4" = 1'-0"



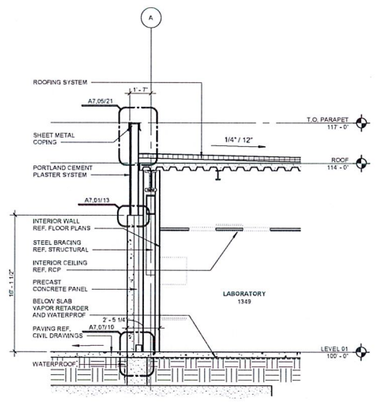
WALL SECTION SECTION TYPICAL
11 PRECAST - CEMENT PLASTER
1/4" = 1'-0"



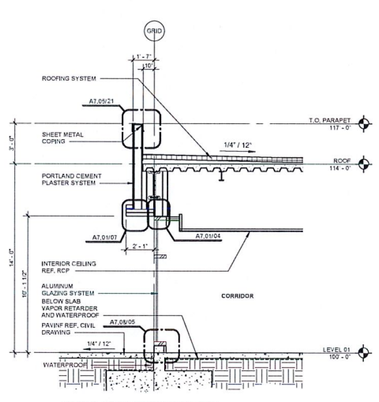
WALL SECTION SECTION TYPICAL
10 WINDOW - CEMENT PLASTER
1/4" = 1'-0"



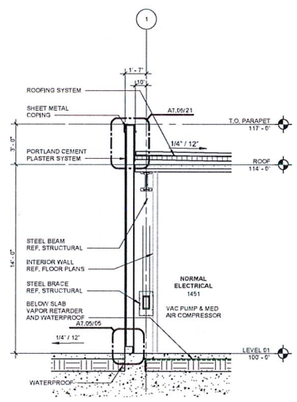
09 WALL SECTION AT LAB
1/4" = 1'-0"



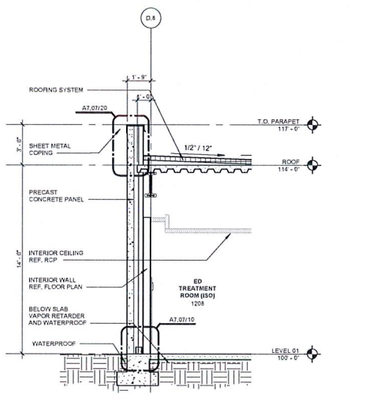
08 WALL SECTION AT LAB
1/4" = 1'-0"



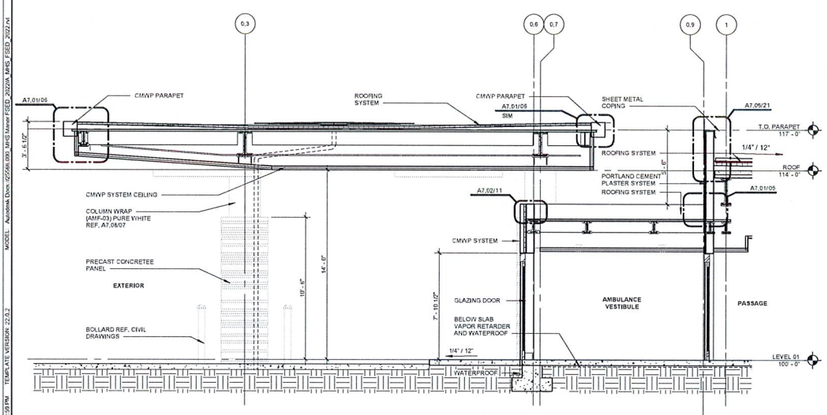
WALL SECTION TYPICAL
07 AT BLUE CMWP FRAMES
1/4" = 1'-0"



06 WALL SECTION AT EAST FACADE
1/4" = 1'-0"



WALL SECTION SECTION TYPICAL
05 PRECAST - CEMENT PLASTER
1/4" = 1'-0"



04 WALL SECTION AT AMBULANCE ENTRY
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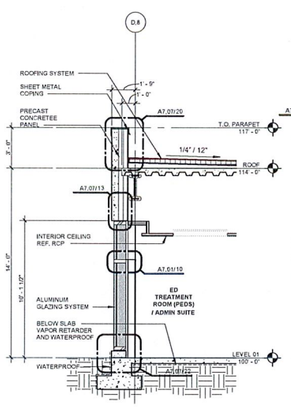

03 WALL SECTION AT ED TREATMENT
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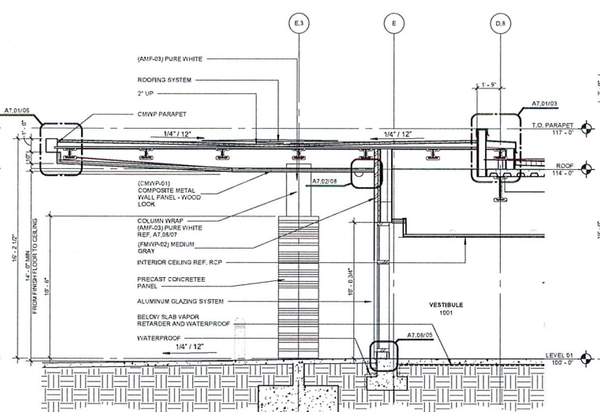

02 WALL SECTION AT MAIN ENTRY
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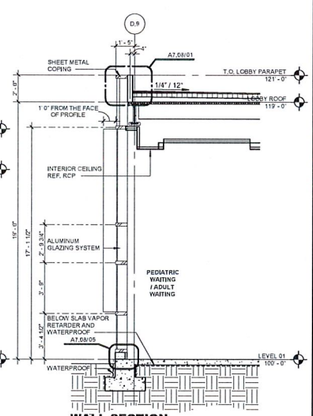

WALL SECTION
01 AT WAITING
1/4" = 1'-0"

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2020 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL 33134
INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801
STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201
MEP ENGINEER
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LOW VOLTAGE
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STATE OF FLORIDA
SHAWN G. BERRY
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REGISTERED ARCHITECT

REVISION		
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23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
OCTOBER 20, 2023
ISSUE
SITE PLAN SUBMITTAL
SHEET TITLE
WALL SECTIONS
SHEET NO.
A6.01

TITLE BLOCK VERSION 20170323
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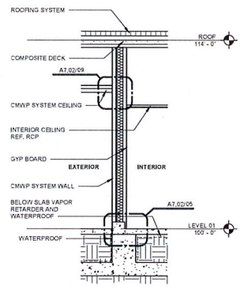
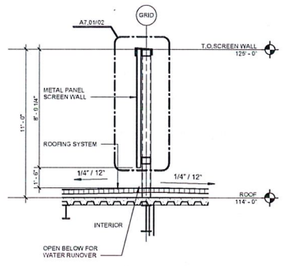


08 WALL SECTION TYPICAL AT BLUE CMWP FRAMES
1/4" = 1'-0"



07 WALL SECTION AT ROOF SCREEN
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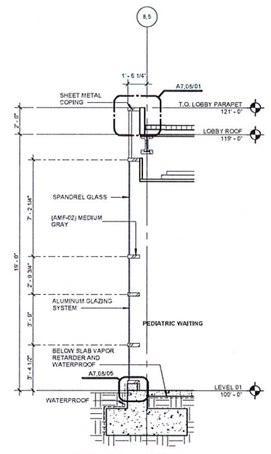

06 WALL SECTION AT PEDS WAITING NORTH EAST CONDITION
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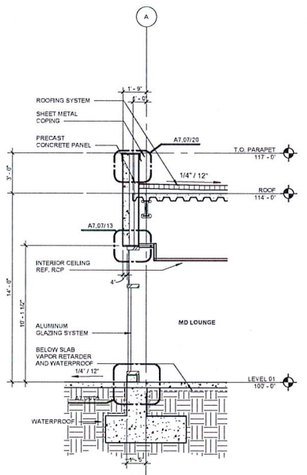
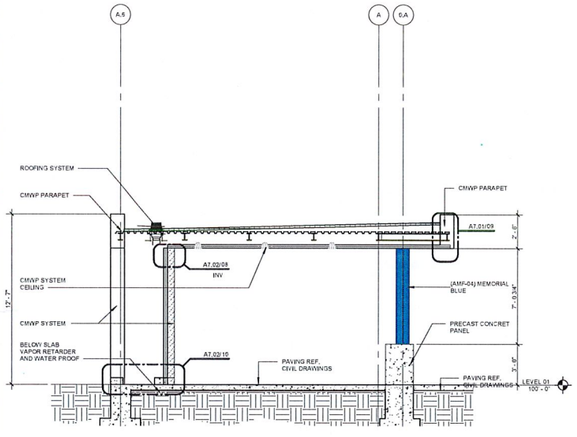
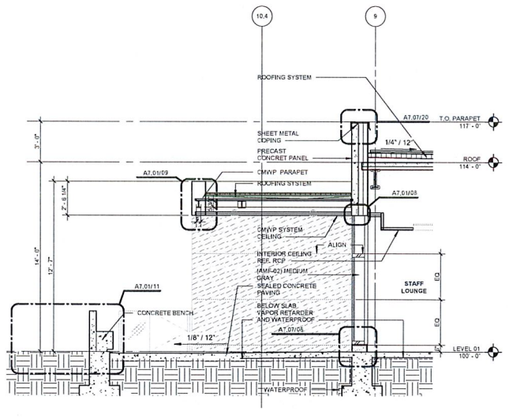


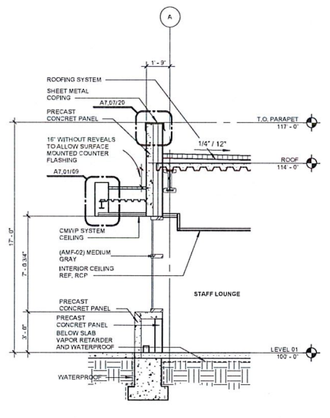
05 WALL SECTION AT MD LOUNGE
1/4" = 1'-0"



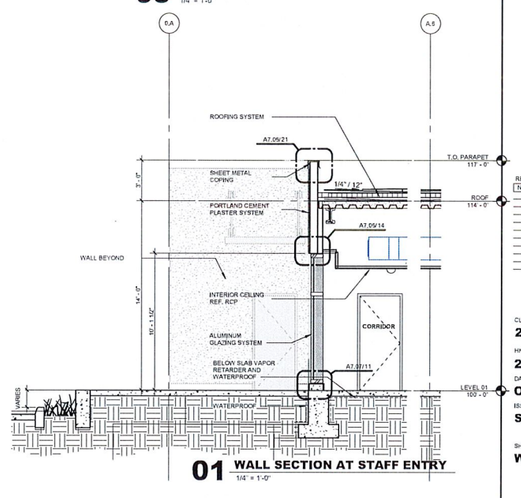
04 CANOPY SECTION AT STAFF LOUNGE
1/4" = 1'-0"



03 WALL SECTION AT STAFF LOUNGE
1/4" = 1'-0"



02 WALL SECTION AT STAFF LOUNGE
1/4" = 1'-0"



01 WALL SECTION AT STAFF ENTRY
1/4" = 1'-0"

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255 S. ORANGE AVE, STE 1600
ORLANDO, FL 32801

LOW VOLTAGE
SMITH SECKMAN REID, INC.
2995 SIDCO DRIVE,
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3300 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410

Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

STATE OF FLORIDA
RUTWIN G. BOREK
AR99092
REGISTERED ARCHITECT

REVISION

NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
OCTOBER 20, 2023
ISSUE
SITE PLAN SUBMITTAL
SHEET TITLE
WALL SECTIONS
SHEET NO.
A6.02

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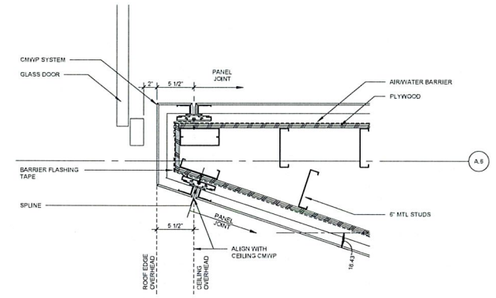
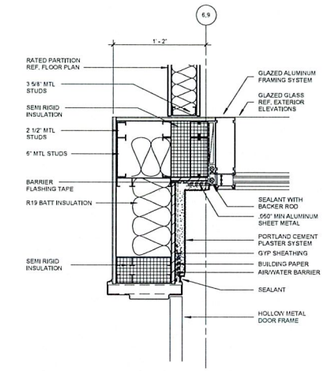
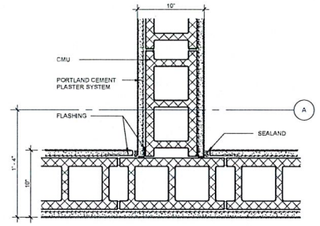


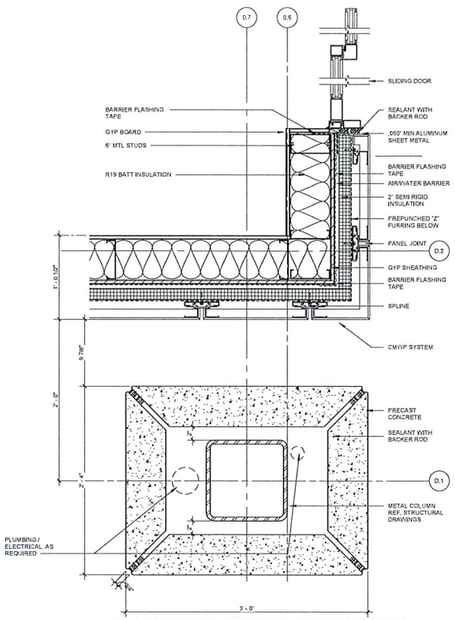
12 STAFF LOUNGE
1 1/2" = 1'-0"



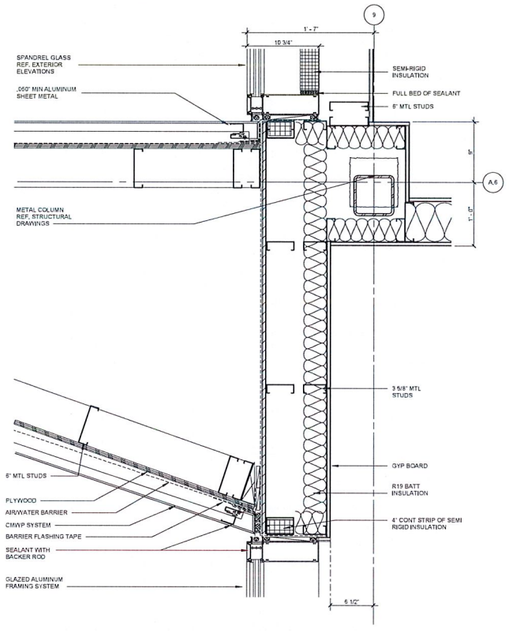
09 STAFF ENTRANCE - CURTAINWALL
1 1/2" = 1'-0"



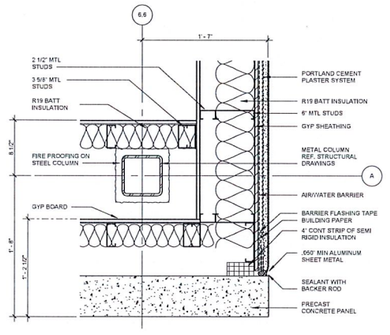
06 GENERATOR SCREEN CORNER
1 1/2" = 1'-0"



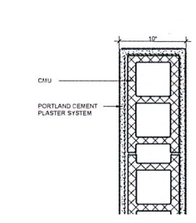
03 SOUTH / EAST AMBULANCE VESTIBULE
1 1/2" = 1'-0"



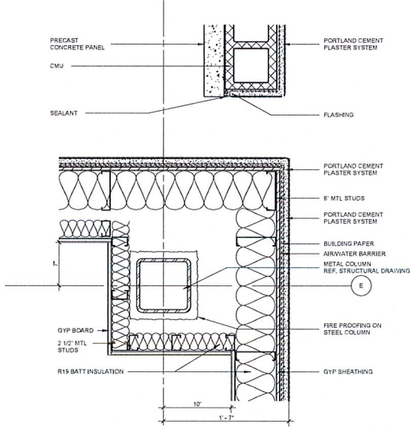
11 STAFF LOUNGE - CURTAINWALL
1 1/2" = 1'-0"



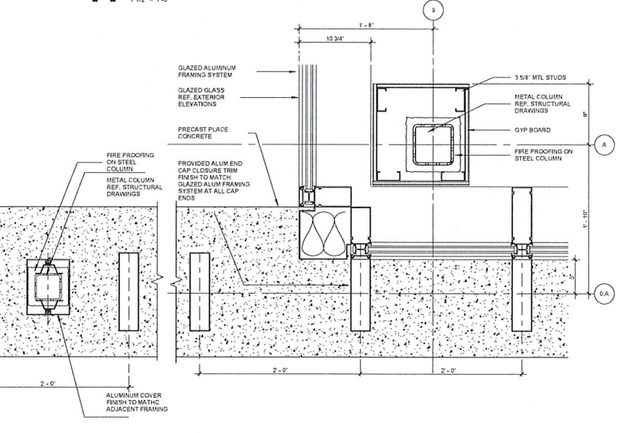
08 STAFF ENTRANCE CORNER
1 1/2" = 1'-0"



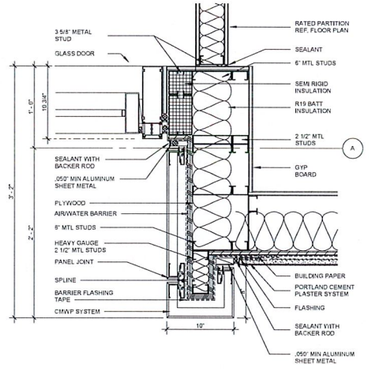
05 GENERATOR SCREEN END
1 1/2" = 1'-0"



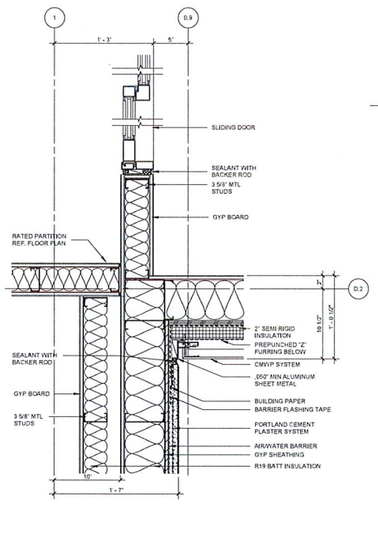
02 NORTH / EAST CORNER
1 1/2" = 1'-0"



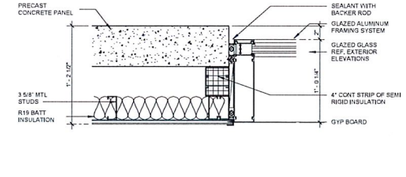
10 STAFF LOUNGE CORNER
1 1/2" = 1'-0"



07 SOUTH RECESSED ENTERANCE
1 1/2" = 1'-0"



04 SOUTH / WEST AMBULANCE VESTIBULE
1 1/2" = 1'-0"



01 NORTH / EAST - CURTAINWALL
1 1/2" = 1'-0"

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HKS

OWNER
MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL, 33021

ARCHITECT
HKS ARCHITECTS, INC.
2020 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL 33134

INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201

MEP ENGINEER
TLC ENGINEERING SOLUTIONS
255 S. ORANGE AVE, STE 1600
ORLANDO, FL 32801

LOW VOLTAGE
SMITH SECKMAN REID, INC.
2305 SIDCO DRIVE
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3300 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410

Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

STATE OF FLORIDA — SHAWN G. SOBEL — AR99092 — REGISTERED ARCHITECT

REVISION

NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430

HKS PROJECT NUMBER
25566.000

DATE
OCTOBER 20, 2023

ISSUE
SITE PLAN SUBMITTAL

SHEET TITLE
EXTERIOR PLAN DETAILS

SHEET NO.
A7.90



MEMORIAL HOSPITAL PEMBROKE-
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMEN

EXTERIOR & INTERIOR SIGNAGE

801 S DOUGLAS RD, PEMBROKE PINES, FL

SEPTEMBER 15, 2023

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OWNER
MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL, 33021

ARCHITECT
HKS ARCHITECTS, INC.
2920 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL 33134

INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201

MEP ENGINEER
TLC ENGINEERING SOLUTIONS
255 S. ORANGE AVE. STE 1600
ORLANDO, FL 32801

LOW VOLTAGE
SMITH SECKMAN REID, INC.
2995 SOCO DRIVE,
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3300 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 209
WEST PALM BEACH, FL 33411-2410

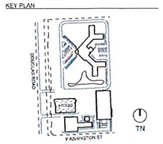
Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

STATE OF FLORIDA · JOHN S. BOWEN · AR99092 · REGISTERED ARCHITECT

CON NO.: 111AAA

KEY PLAN



REVISION

NO.	DESCRIPTION	DATE

CLIENT CODE: FILE NUMBER
23/100230-14430

HKS PROJECT NUMBER
25566.000

DATE
OCTOBER 20, 2023

ISSUE
SITE PLAN SUBMITTAL

SHEET TITLE
SIGNAGE - COVER SHEET

SHEET NO.
WF0.01

TITLE BLOCK VERSION: 20210630

PRINT DATE: 7/14/2023 4:00 PM TEMPLATE VERSION: 7.0.2 WORKSET: Workset Display(s)/Site Mark Manor FWD - 2022A Mark FWD - 2022A4

Signage Site Plan Symbols

(E) EXTERIOR SIGN E01
- SIGN NUMBER
- SIDE A
- ORIENTATION

(I) INTERIOR SIGN I01
- SIGN NUMBER
- SIDE A
- ORIENTATION

SIGN-TYPE COLOR CODES

GROUND SIGNS	TRAFFIC
BUILDING SIGNS	NOTICE SIGNS
VINYL GRAPHICS	INTERIOR
PARKING SIGNS	SPECIALTY

Exterior Ground Signage

Sign #	sq.ft.	Sign Type
E01	24.00	Main Entrance Monument - Illuminated
E03	1.50	Directional - Illuminated
E04	1.50	Directional - Illuminated
E05	1.50	Directional - Illuminated
E06	1.50	Directional - Illuminated
E07	1.50	Directional - Illuminated

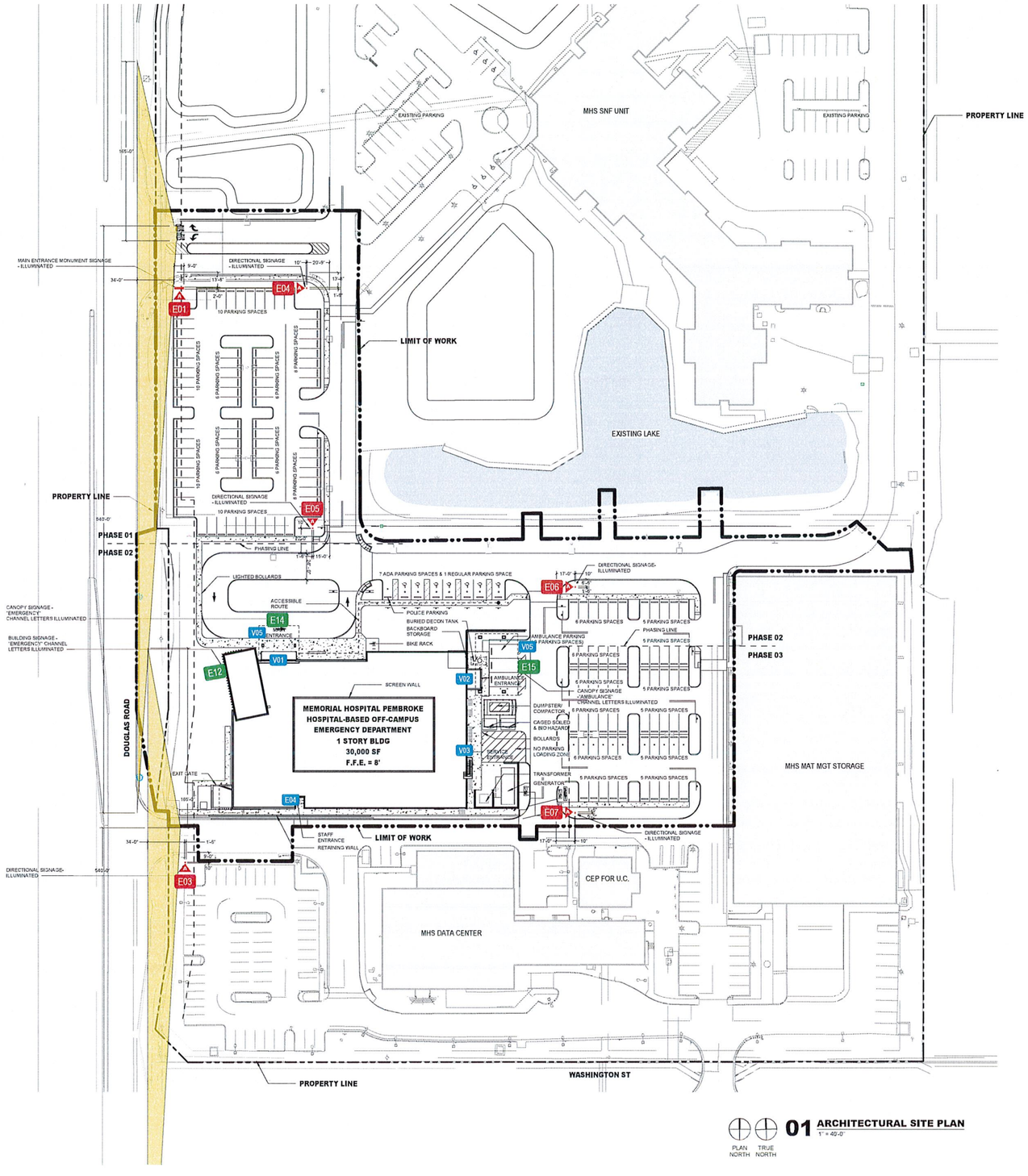
Total: 31.50 sq.ft.

Exterior Building Signage

Sign #	sq.ft.	Sign Type
E12	42.28	EMERGENCY w/ M Glove Channel Letters - Illuminated
E14	21.84	EMERGENCY Canopy Channel Letters - Illuminated
E15	9.91	AMBULANCE Canopy Channel Letters - Illuminated

Total: 74.03 sq.ft.

SYMBOLS	GENERAL NOTES - SITE
LIMIT OF WORK PROPERTY LINE	1. ALL MECHANICAL EQUIPMENT LOCATED ON THE ROOF WILL BE FULLY SCREENED BY PARAPETS OR EQUIPMENT SCREENS THAT ARE EQUAL IN HEIGHT OR TALLER THAN THE EQUIPMENT. 2. REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND ACTUAL TOPOGRAPHIC CONSTRUCTION INFORMATION.



01 ARCHITECTURAL SITE PLAN
1" = 40'-0"

PLAN NORTH TRUE NORTH

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HKS

OWNER
MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL. 33021

ARCHITECT
HKS ARCHITECTS, INC.
2020 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL. 33134

INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201

MEP ENGINEER
TLC ENGINEERING SOLUTIONS
255 S. ORANGE AVE. STE 1600
ORLANDO, FL 32801

LOW VOLTAGE
SMITH SECKMAN REID, INC.
2995 SIDCO DRIVE,
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3200 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
KIMLEY-HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 209
WEST PALM BEACH, FL 33411-2410

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

STATE OF FLORIDA — JASON G. ARNELL — AR99092 — REGISTERED ARCHITECT

CON NO.: 111AAA

KEY PLAN



REVISION

NO.	DESCRIPTION	DATE

CLIENT CODE: FILE NUMBER
23/100230-14430

HKS PROJECT NUMBER
25566.000

DATE
OCTOBER 20, 2023

ISSUE
SITE PLAN SUBMITTAL

SHEET TITLE
SIGNAGE - SITE PLAN

SHEET NO.
WF1.01

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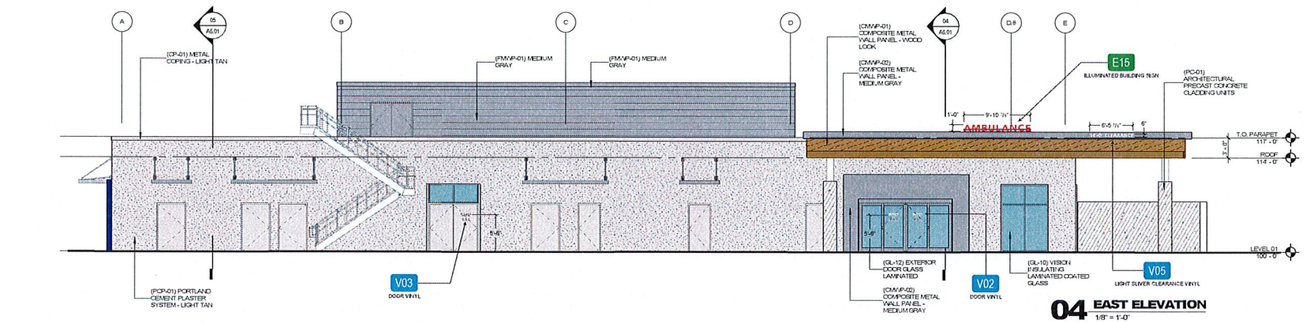
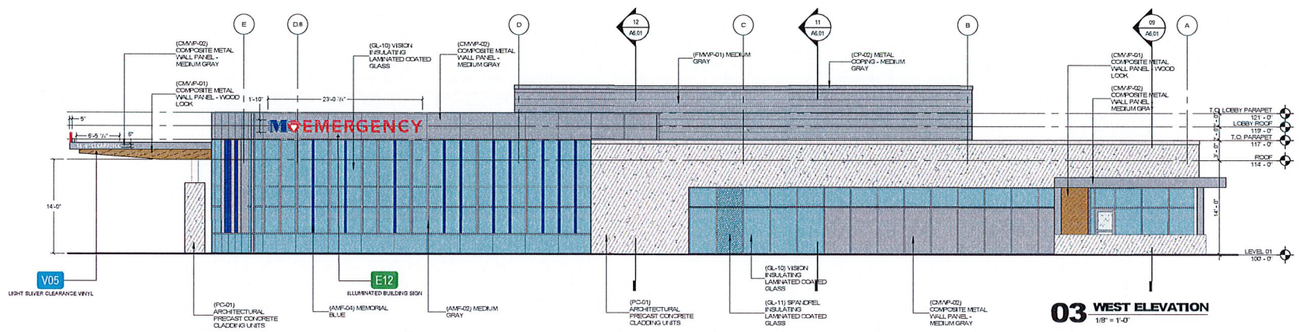
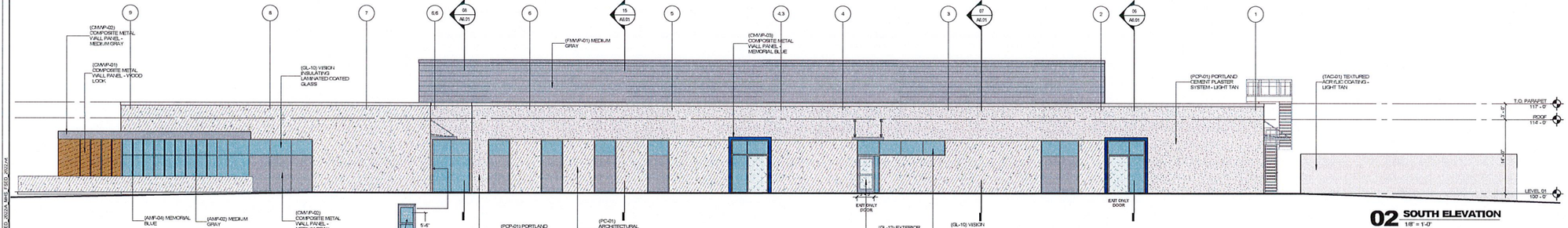


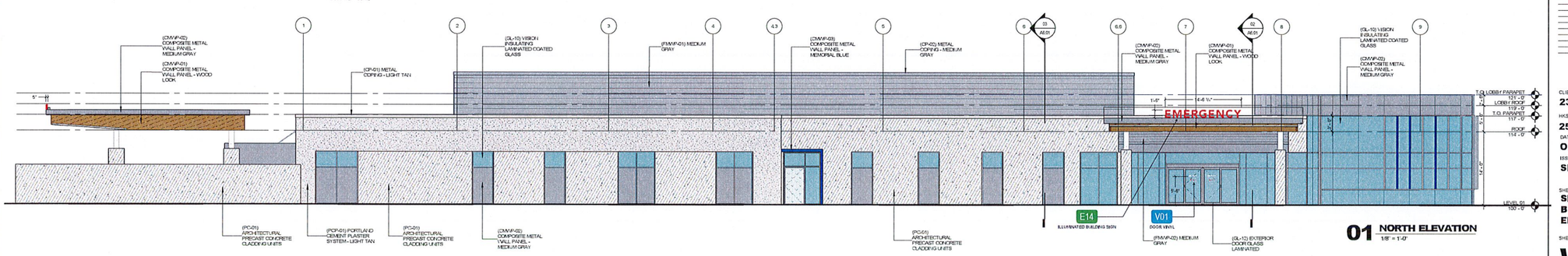
04 EAST ELEVATION 1/8" = 1'-0"



03 WEST ELEVATION 1/8" = 1'-0"



02 SOUTH ELEVATION 1/8" = 1'-0"



01 NORTH ELEVATION 1/8" = 1'-0"

EXTERIOR MATERIAL LEGEND

GRAPHICS	CODE	MATERIAL	DETAILS
EXTERIOR GLAZING (GL)			
	GL01	TRANSPARENT GLASS	
	GL02	SPANDREL	
WINDOW SYSTEM (GWS)			
	GWS1	CURTAIN WALL	
	GWS2	STOREFRONT	
PRECAST CONCRETE (PC)			
	PC01	PRECAST	
COMPOSITE (CO)			
	CO01	EXTERIOR COMPOSITE 5"	ARCONIC REYNOBOND FRENCH WALNUT
	CO02	EXTERIOR COMPOSITE	ARCONIC REYNOBOND MEDIUM GRAY
	CO03	EXTERIOR COMPOSITE	ARCONIC REYNOBOND MEMORIAL BLUE CUSTOM COLOR
METAL (MT)			
	MT01	ALUMINUM WINDOWS (ALL WINDOW & SILLS)	
	MT02	ALUMINUM PANEL (EI WINDOWS)	
	MT03	METAL PANEL SCREEN (ROOF)	CENTRIA PANEL CONCEPT SERIES
PLASTER			
	PCP01	PLASTER	

HKS

OWNER
MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL 33021

ARCHITECT
HKS ARCHITECTS, INC.
2020 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL 33134

INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201

MEP ENGINEER
TLC ENGINEERING SOLUTIONS
255 S. ORANGE AVE. STE 1600
ORLANDO, FL 32801

LOW VOLTAGE
SMITH SECKMAN REID, INC.
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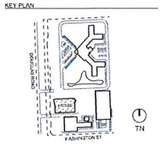
CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 205
WEST PALM BEACH, FL 33411-2410

Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

STATE OF FLORIDA · JUSTIN G. SORRELL · AR99092 · REGISTERED ARCHITECT

CON NO.: 111MA

KEY PLAN



REVISION

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CLIENT CODE: FILE NUMBER
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HKS PROJECT NUMBER
25566.000

DATE
OCTOBER 20, 2023

ISSUE
SITE PLAN SUBMITTAL

SHEET TITLE
SIGNAGE - BUILDING ELEVATIONS

SHEET NO.
WF2.01

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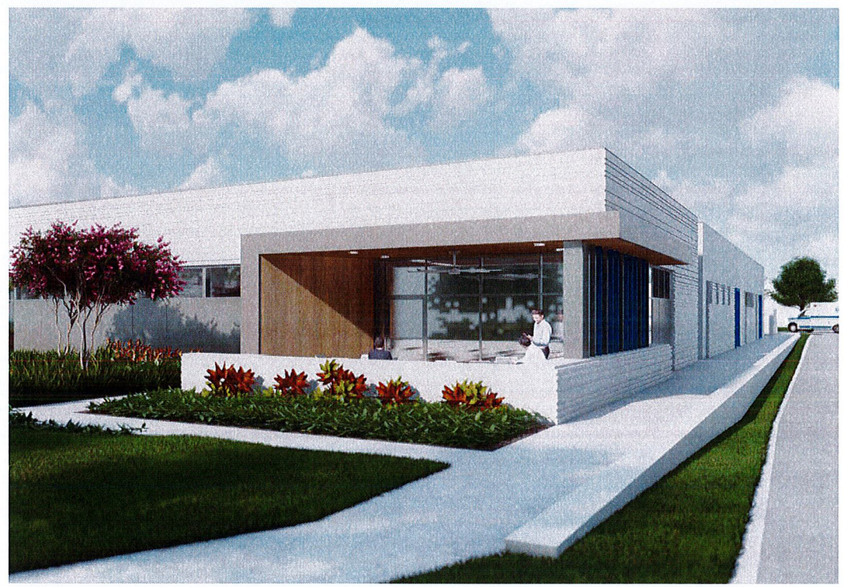

HKS

OWNER
MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL. 33021

ARCHITECT
HKS ARCHITECTS, INC.
2020 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL. 33134

INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
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DALLAS, TX 75201

MEP ENGINEER
TLC ENGINEERING SOLUTIONS
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SMYRNA, GA 30082

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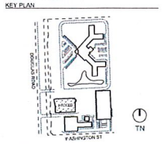
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 205
WEST PALM BEACH, FL 33411-2410

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

STATE OF FLORIDA
JONATHAN G. BURKE
AR99092
REGISTERED ARCHITECT

CON NO.: 111AAA
KEY PLAN



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HKS PROJECT NUMBER
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DATE
OCTOBER 20, 2023

ISSUE
SITE PLAN SUBMITTAL

SHEET TITLE
SIGNAGE - BUILDING RENDERS

SHEET NO.
WF2.02

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TITLE BLOCK VERSION 2021R3
PRINT DATE: 7/14/2023 4:00 PM TEMPLATE VERSION: 2023.1
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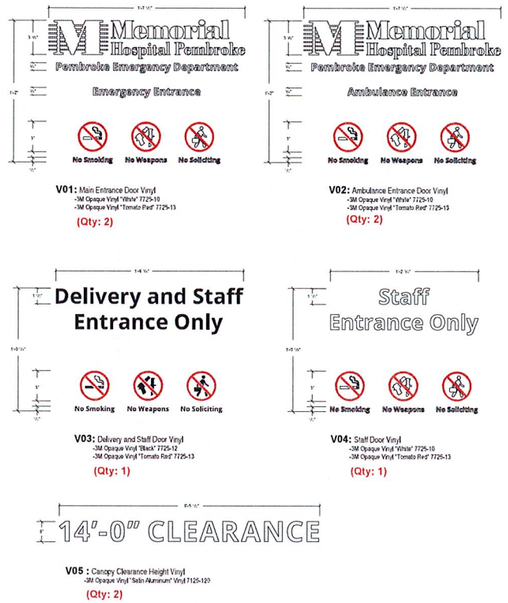


04 VINYL GRAPHICS (DOOR AND CLEARANCE HEIGHT)
NOT TO SCALE

Sign #	Main Monument Signage	24.00 sq.ft.
E01	Face Illuminated Monument D/F	

The monument sign is a fabricated aluminum cabinet with 3/16" thick white acrylic Pan Formed Face with painted graphics. All white copy "Memorial Hospital Pembroke" and "Emergency" to illuminate white at night. Sign to be illuminated with GE White LEDs 7100K Tetra PowerStrip Part # GEDS71-2 (or Equivalent).

Memorial Hospital Pembroke" to be ¾" routed out and push through white acrylic. All other copy "EMERGENCY" and Address" to be routed out and backed up with 3/16" white acrylic.

Cabinet to be painted Blue and Red. Matthews Paint MP41705 LRV 7.1 "Bally Blue Metallic", Semi Gloss Finish. Matthews Paint MP12565 LRV 16.5 "Pepsi Red", Satin Finish

Sign Base to match Building Material (FC-01) Architectural Precast, Spread Concrete Foundation w/ Vertical and Horizontal Rebar. Size of Foundation TBD Per Engineering.

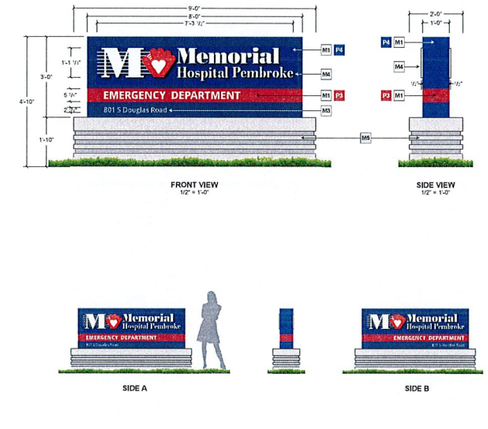
Electrical Specifications

Power Supply:	(TBD) 30ft Pwr Supply
AMPS:	(TBD) AMPS
Circuit:	(1) 20 Amp Circuit
Volts:	277 Volts

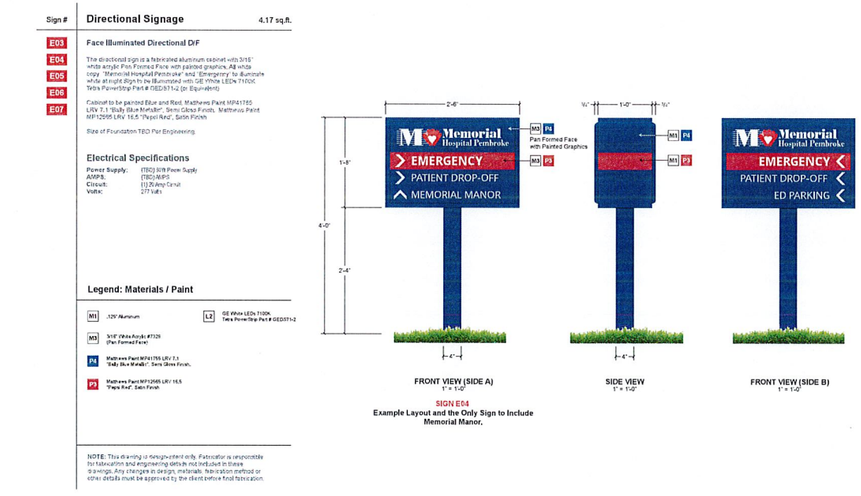
Legend: Materials / Paint

- M1 .125" Aluminum
- L2 GE White LEDs 7100K Tetra PowerStrip Part # GEDS71-2
- M4 3/4" White Acrylic
- M3 3/16" White Acrylic #7328
- M5 (FC-01) Architectural Precast Concrete Cladding Units To Match SW7016 "Mindful Gray"
- P4 Matthews Paint MP41705 LRV 7.1 "Bally Blue Metallic", Semi Gloss Finish.
- P3 Matthews Paint MP12565 LRV 16.5 "Pepsi Red", Satin Finish

NOTE: This drawing is design intent only. Fabricator is responsible for fabrication and engineering details not included in these drawings. Any changes in design, materials, fabrication method or other details must be approved by the client before final fabrication.



02 MONUMENT SIGNAGE E01
1/2"=1'-0"



Sign #	Directional Signage	4.17 sq.ft.
E03	Face Illuminated Directional D/F	
E04		
E05		
E06		
E07		

The directional sign is a fabricated aluminum cabinet with 3/16" white acrylic Pan Formed Face with painted graphics. All white copy "Memorial Hospital Pembroke" and "Emergency" to illuminate white at night. Sign to be illuminated with GE White LEDs 7100K Tetra PowerStrip Part # GEDS71-2 (or Equivalent).

Cabinet to be painted Blue and Red. Matthews Paint MP41705 LRV 7.1 "Bally Blue Metallic", Semi Gloss Finish. Matthews Paint MP12565 LRV 16.5 "Pepsi Red", Satin Finish

Size of Foundation TBD Per Engineering.

Electrical Specifications

Power Supply:	(TBD) 30ft Power Supply
AMPS:	(TBD) AMPS
Circuit:	(1) 20 Amp Circuit
Volts:	277 Volts

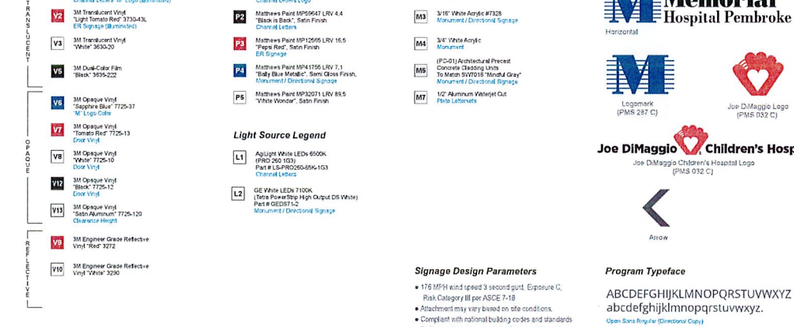
Legend: Materials / Paint

- M1 .125" Aluminum
- L2 GE White LEDs 7100K Tetra PowerStrip Part # GEDS71-2
- M3 3/16" White Acrylic #7328 (Pan Formed Face)
- P4 Matthews Paint MP41705 LRV 7.1 "Bally Blue Metallic", Semi Gloss Finish.
- P3 Matthews Paint MP12565 LRV 16.5 "Pepsi Red", Satin Finish

NOTE: This drawing is design intent only. Fabricator is responsible for fabrication and engineering details not included in these drawings. Any changes in design, materials, fabrication method or other details must be approved by the client before final fabrication.

SIGN E04
Example Layout and the Only Sign to Include Memorial Manor.

03 DIRECTIONAL SIGNAGE: E03, E04, E05, E06, E07
1/2"=1'-0"



01 VINYL, PAINT, AND MATERIALS LEGEND
NTS

HKS

OWNER
MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL 33021
ARCHITECT
HKS ARCHITECTS, INC.
2020 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL 33134
INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801
STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201
MEP ENGINEER
TLC ENGINEERING SOLUTIONS
255 S. ORANGE AVE. STE 1600
ORLANDO, FL 32801
LOW VOLTAGE
SMITH SECKMAN REID, INC.
2995 SOCO DRIVE,
NASHVILLE, TN 37204
MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3300 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082
CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 VIEWA WAY, SUITE 209
WEST PALM BEACH, FL 33411-2410

Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

JOSHUA G. KING — AR99092 — STATE OF FLORIDA — REGISTERED ARCHITECT

CON NO.: 111AAA
KEY PLAN



REVISION

NO	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
DECEMBER 1, 2023
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
SIGNAGE - MONUMENTS AND DIRECTIONALS
SHEET NO.
WF3.01

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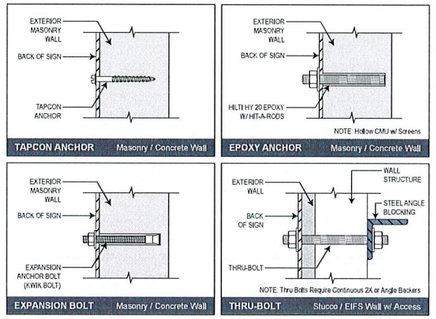
TITLE BLOCK VERSION: 20210630
PRINT DATE: 12/01/2023 12:00:00 PM TEMPLATE VERSION: 20.0
MODEL: P:\Projects\25566.000 MHS Master FEED_WORK_MEP_FEED_2023.rvt

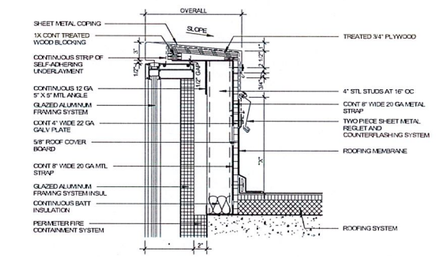
TITLE BLOCK VERSION: 20210630

E12	TAPCONS	EPOXY ANCHORS	EXPANSION BOLT	THRU-BOLT
Bolt Diameter:				
Qty Per Letter:				
Min. Embed:				

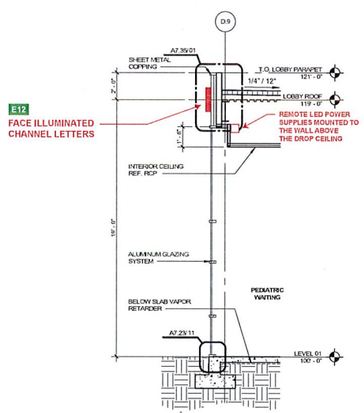


Connection Specifications:
Attach Sign to Wall with Evenly Spaced Connectors. See Engineered sealed drawings for Complete Specifications.
Do Not Overtighten Connectors. Use Oversized Washer Backers for Thru Wall Connectors.

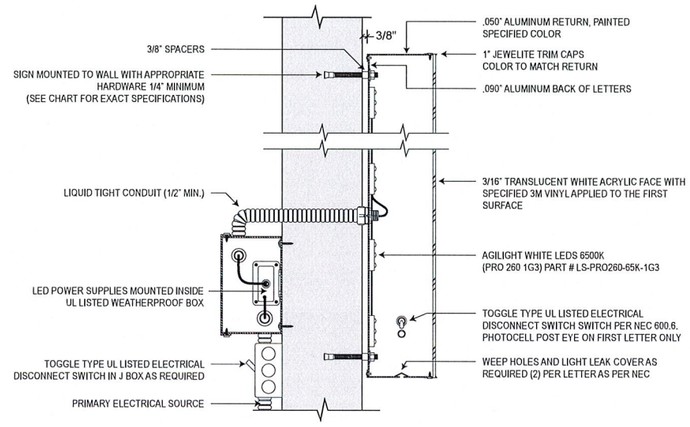
05 TYPICAL SIGN CONNECTION DETAILS
NTS



04 GLAZED ALUMINUM DETAIL (SHEET A7.35/01)
1 1/2" = 1'-0"



03 WALL SECTION AT PEDS WAITING (SHEET A6.01/01)
1/4" = 1'-0"



02 FACE ILLUMINATED LETTER: TYPICAL DETAIL
3" = 1'-0"

Sign #	Channel Letters
E12	**LED Face Illuminated Channel Letters**

Logomark to illuminate blue at night with 3M Translucent Vinyl "European Blue" 3730-131, on white acrylic faces. .040" Aluminum Returns painted Matthews Paint MP13750 LRV 6.7 "Piney Blue", Satin Finish

"EMERGENCY" Letters to illuminate red at night with 3M Translucent Vinyl "Light Tomato Red" 3730-43 vinyl on white acrylic faces. .040" Aluminum Returns painted Matthews Paint MP12965 LRV 16.5 "Pepsi Red", Satin Finish

Letters and Logomark to be illuminated with AgoLight White LEDs #NOM (PRO 260 1G3) Part # LS-PRO260-65K-1G3

Letters and Logomark to use Jewelite Trim caps color to match, larger size may require Aluminum Trim Caps for the Logomark.

Letters set flush mounted to building with 5/8" spacers.

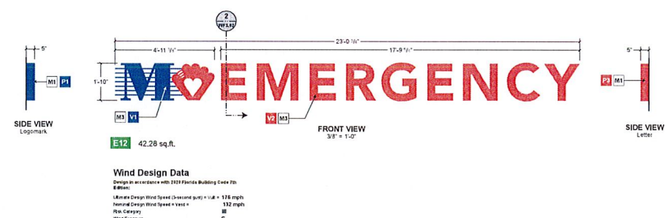
Electrical Specification

Power Supply: (TBD) 808 Power Supply
AWG's: (TBD) AWG 8
Circuit: (1) 20 Amp Circuit per Sign
Volts: 120 Volts

Legend: Materials / Paint / Vinyl

M1	.063" Aluminum Returns .040" Aluminum Backs	V1	3M Translucent Vinyl "European Blue" 3730-131
M3	3/16" White Acrylic #7328	V2	3M Translucent Vinyl "Light Tomato Red" 3730-43L
P1	Matthews Paint MP13750 LRV 6.7 "Piney Blue", Satin Finish	L1	AgoLight White LEDs #NOM (PRO 260 1G3) Part # LS-PRO260-65K-1G3
P2	Matthews Paint MP12965 LRV 16.5 "Pepsi Red", Satin Finish		

NOTE: This drawing is design-intent only. Fabricator is responsible for fabrication and engineering details not indicated in these drawings. Any changes in design, materials, fabrication method or other details must be approved by the client before final fabrication.



Wind Design Data
Design in accordance with 2020 Florida Building Code 7th Edition

Ultimate Design Wind Speed (3-second gust) = Vult =	175 mph
Nominal Design Wind Speed = Vasd =	132 mph
Risk Category	III
Wind Exposure	C

01 CHANNEL LETTERS - M GLOVE AND EMERGENCY
SCALE LISTED UNDER SECTIONS

PRINT DATE: 7/14/2023 4:55:56 PM TEMPLATE VERSION: 20230630
MODEL: ...\Models\Sheets\SIGNAGE SHEETS\WF3.02 - SIGNAGE - BUILDING LETTERSETS_R23.rvt

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OWNER
MEMORIAL HEALTHCARE SYSTEM
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HOLLYWOOD, FL. 33021
ARCHITECT
HKS ARCHITECTS, INC.
2620 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL. 33134
INTERIOR DESIGN
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225 EAST ROBINSON STREET, SUITE 465
ORLANDO, FL 32801
STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201
MEP ENGINEER
TLC ENGINEERING SOLUTIONS
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ORLANDO, FL 32801
LOW VOLTAGE
SMITH SECKMAN REID, INC.
2995 SIDCO DRIVE
NASHVILLE, TN 37204
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3300 HIGHLANDS PKWY SE, SUITE 295
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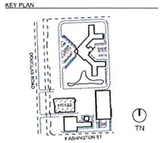
CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 209
WEST PALM BEACH, FL 33411-2410

Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

STATE OF FLORIDA
JOHN G. RAMEY
AR90092
REGISTERED ARCHITECT

CON NO.: 111AAA
KEY PLAN



REVISION

NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
OCTOBER 20, 2023
ISSUE
SITE PLAN SUBMITTAL
SHEET TITLE
SIGNAGE - BUILDING LETTERSETS
SHEET NO.
WF3.02

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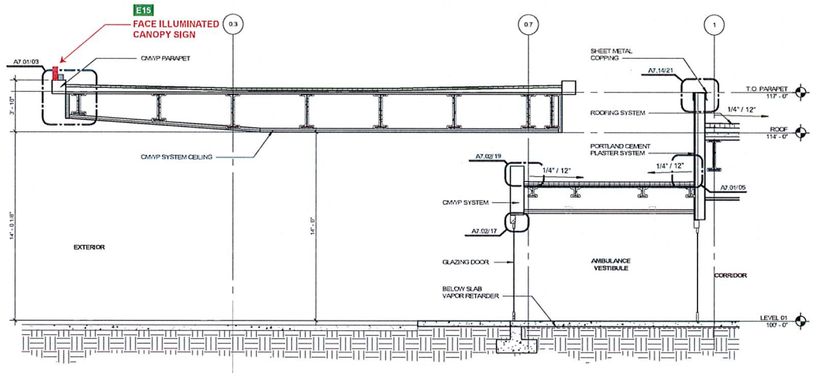
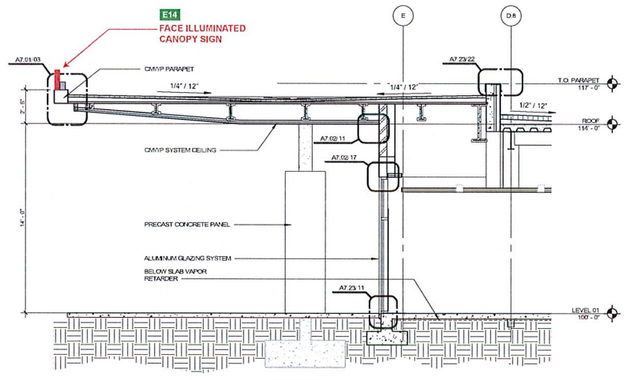
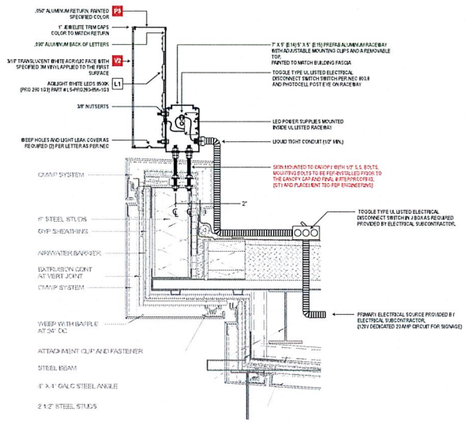


04 WALL SECTION AT AMBULANCE ENTRY (SHEET A6.01/04)
1/4" = 1'-0"



03 WALL SECTION AT MAIN ENTRY (SHEET A6.01/02)
1/4" = 1'-0"



02 MAIN CANOPY SECTION VIEW WITH SIGNAGE (SHEET A7.01/03)
1 1/2" = 1'-0"

E14

	THRU-BOLT
Bolt Diameter:	1/2"
Qty Per Letter:	TBD
Min. Embed:	N/A

E15

	THRU-BOLT
Bolt Diameter:	1/2"
Qty Per Letter:	TBD
Min. Embed:	N/A

Sign #	Channel Letters - ER and Ambulance
E14	LED Face Illuminated Channel Letters Mounting to Raceways on Top of Canopies
E15	

Letters to illuminate red at night with 3M Translucent Vinyl "Light Tomato Red" 3630-43 vinyl on white acrylic faces.

.050" Aluminum Returns painted Matthews Paint MP12605 LRV 16.5 "Pepsi Red", Satin Finish

Letters to be illuminated with AgeLight White LEDs 9500K (PRO 205 1G3) Part # LS-PRO263-656-1G3

Letters to use red removable Trim caps color to match painted returns.

Letters flush mounted to Raceways painted to match canopy color TBD. Raceways through bolted into Canopy blocking. Mounting bolts installed prior to finished canopy cladding.

Electrical Specification

Power Supply:	(TBD) 60P Prem Supply
AMPS:	(TBD) AMPS
Circuit:	(1) 20 Amp Circuit per Sign
Volts:	120 Volt

Legend: Materials / Paint / Vinyl

M1 .050" Aluminum Returns
.050" Aluminum Backs

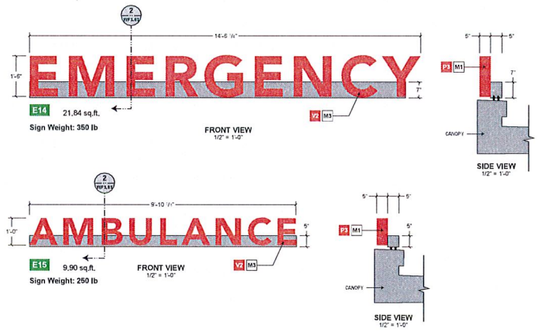
V2 3M Translucent Vinyl "Light Tomato Red" 3630-43L

M3 3/16" White Acrylic #7328

L1 Acrylight White LEDs 9500K (PRO 205 1G3) Part # LS-PRO263-WA-1G3

P2 Matthews Paint MP12605 LRV 16.5 "Pepsi Red", Satin Finish

NOTE: This drawing is design-intent only. Fabricator is responsible for fabrication and engineering details not included in these drawings. Any changes in design, materials, fabrication method or other details must be approved by the client before final fabrication.



Wind Design Data
Design in accordance with 2020 Florida Building Code 7th Edition

Ultimate Design Wind Speed (3-second gust) = Vult =	175 mph
Nominal Design Wind Speed = Vasd =	132 mph
Risk Category	III
Wind Exposure	C

01 CHANNEL LETTERS - ER AND AMBULANCE
SCALE LISTED UNDER SECTIONS

HKS

OWNER
MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL. 33021

ARCHITECT
HKS ARCHITECTS, INC.
2600 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL. 33134

INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
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MEP ENGINEER
TLC ENGINEERING SOLUTIONS
255 S. ORANGE AVE, STE 1600
ORLANDO, FL 32801

LOW VOLTAGE
SMITH SECKMAN REID, INC.
2995 SIDCO DRIVE,
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3350 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 205
WEST PALM BEACH, FL 33411-2410

Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

STATE OF FLORIDA — BROWN G. ROBERTS — AR99092 — REGISTERED ARCHITECT

CON NO.: 111AAA
KEY PLAN



REVISION

NO.	DESCRIPTION	DATE

CLIENT CODE: FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
OCTOBER 20, 2023
ISSUE
SITE PLAN SUBMITTAL

SHEET TITLE
SIGNAGE - CANOPY LETTERSETS

SHEET NO.
WF3.03

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TITLE BLOCK VERSION 2021R3
PRINT DATE: 7/14/2023 4:00 PM TEMPLATE VERSION 23.0.2
MODEL: Published Sheets\25566.000 Wall Mount P&ES_2022.rvt Mon 7/

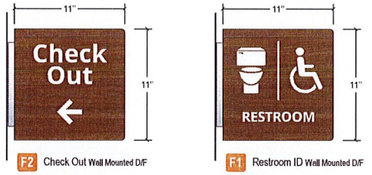


05 RECEPTION DESK RENDER
NOT TO SCALE



L1 MHP Plate Letterset
-Non-Illuminated 3/8" thick water-jet cut aluminum plate letterset.
-Face to have a "SatinBrite" horizontal brushed finish with a protective clear coat.
-Returns to have a standard matte finish.
-Letterset flush mounted to interior wall with Full Sheet VHB Tape.
(Qty 2)

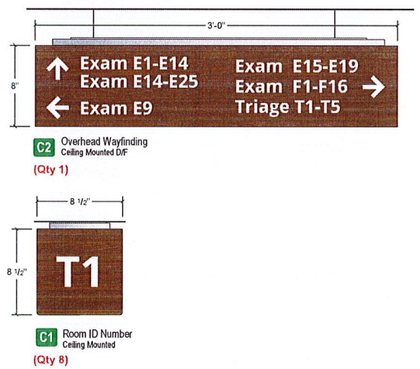
02 MHP PLATE LETTERSET ON RECEPTION DESK
NOT TO SCALE





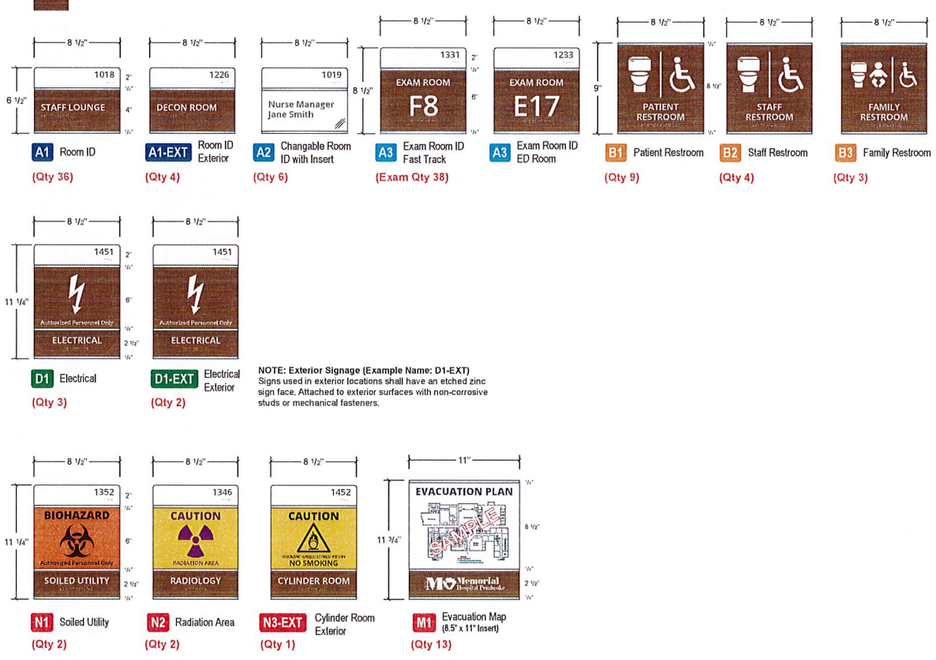
SIGNS INSTALLED: 5'-0" TO THE CENTER OF THE K1 SIGN FROM GRADE.

03 PATIENT RIGHTS SIGNAGE (Aspire)
NOT TO SCALE



SIGNS INSTALLED: (6'-8" Minimum) (7'-0" Ideal) TO THE BOTTOM OF SIGN FROM GRADE.

04 OVERHEAD WAYFINDING (Elevate)
NOT TO SCALE



SIGNS INSTALLED: 5'-0" TO THE TOP OF THE SIGN FROM GRADE, AND 3" FROM DOOR FRAME ON SIDE CLOSEST TO DOOR LATCH.

01 INTERIOR ROOM SIGNAGE (Elevate)
NOT TO SCALE

HKS

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MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL. 33021
ARCHITECT
HKS ARCHITECTS, INC.
2020 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL. 33134
INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801
STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N.SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201
MEP ENGINEER
TLC ENGINEERING SOLUTIONS
255 S. ORANGE AVE. STE 1600
ORLANDO, FL 32801
LOW VOLTAGE
SMITH SECKMAN REID, INC
2995 SIDCO DRIVE,
NASHVILLE, TN 37204
MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3350 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082
CIVIL/LANDSCAPE ENGINEER
KINLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 209
WEST PALM BEACH, FL 33411-2410

Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

STATE OF FLORIDA
STEVEN G. SMITH
AR99092
REGISTERED ARCHITECT

CON NO.: 111AAA
KEY PLAN



REVISION

NO.	DESCRIPTION	DATE

CLIENT CODE: FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
OCTOBER 20, 2023
ISSUE
SITE PLAN SUBMITTAL
SHEET TITLE
SIGNAGE - INTERIOR SIGN STANDARDS
SHEET NO.
WF4.01

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TITLE BLOCK VERSION: 20210630
PRINT DATE: 11/4/2021 4:00 PM | TEMPLATE VERSION: 2.0.2
MODEL: Autodesk Docs://25566.000 HMS Memorial PBD_2022/A Master PBD_2022.rvt

FLOOR PLAN LEGEND

- NEW
- EXISTING
- NOT IN SCOPE
- 1 HOUR FIRE BARRIER
- 2 HOUR FIRE BARRIER
- SMOKE PARTITION (NON-RATED)
- 1 HOUR FIRE/SMOKE BARRIER
- 2 HOUR FIRE/SMOKE BARRIER
- 1 HOUR SHAFT BARRIER

GENERAL NOTES - FLOOR PLAN

1. REFER TO SHEET A3.00 FOR PARTITION TYPES, GRAPHIC AND SYMBOLIC DESIGNATIONS, NOTES, AND DETAILS.
2. REFER TO SHEET A3.10 FOR MISCELLANEOUS METAL FABRICATION (MF) TYPES AND DETAILS.
3. REFER TO SHEET A3.23 FOR TYPICAL TOILET LAYOUTS AND TOILET ACCESSORY MOUNTING DIAGRAMS.
4. REFER TO SHEET A1.24 FOR WALL PROTECTION TYPES AND DETAILS.
5. REFER TO SHEET A3.24 FOR LOCKER TYPE SCHEDULE.
6. REFER TO SHEET A3.23 FOR TOILET & ACCESSORY INFORMATION.
7. REFER TO SHEET A3.51 & A3.52 FOR DOOR INFORMATION, SCHEDULES AND DETAILS.
8. REFER TO SHEET A3.20 FOR FINISH INFORMATION AND SCHEDULES.
9. REFER TO SHEET A3.31 FOR LOUVER INFORMATION, SCHEDULES AND DETAILS.
10. REFER TO SHEET A3.50 FOR CASEWORK DETAILS AND INFORMATION.
11. REFER TO SHEET A3.60,A3.61 FOR MILLWORK AND INTERIOR ELEVATIONS.
12. REFER TO SHEET A5.02,A5.03 FOR EXTERIOR ELEVATIONS.
13. ALL EXTERIOR DIMENSIONS ARE FROM FACE OF EXTERIOR FINISH, U.N.O.
14. MASONRY DIMENSIONS ARE NOMINAL, U.N.O.
15. ALL INTERIOR PARTITIONS TO BE WALL TYPE A3 WITH OUT SOUND ATTENUATION U.N.O.
16. ALL COLUMN FURRING TO BE 1HALL TYPE M1 U.N.O.
17. REFER TO SHEET A1.36 FOR LEAD DETAILS.
18. ALL DIMENSIONS ARE TO FACE OF FINISH MATERIAL.
19. TDR ROOM TO HAVE PLYWOOD PAINTED BLACK ON ALL WALLS.

01 LEVEL 01 FLOOR PLAN
1/8" = 1'-0"

PLAN NORTH / TRUE NORTH

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OWNER
MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL 33021

ARCHITECT
HKS ARCHITECTS, INC.
2020 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL 33134

INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
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MEP ENGINEER
TLC ENGINEERING SOLUTIONS
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ORLANDO, FL 32801

LOW VOLTAGE
SMITH SECKMAN REID, INC.
2995 SOCO DRIVE,
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3300 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
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1920 WEKIVA WAY, SUITE 205
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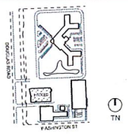
Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

STATE OF FLORIDA — JOSHUA D. KOPEC — AR99092 — REGISTERED ARCHITECT

CON NO.: 111AAA
KEY PLAN



REVISION

NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
OCTOBER 20, 2023
ISSUE
SITE PLAN SUBMITTAL

SHEET TITLE
SIGNAGE - INTERIOR FLOOR PLAN

SHEET NO.
WF4.02

TITLE BLOCK VERSION: 20210819
PRINT DATE: 7/14/2023 4:00 PM TEMPLATE VERSION: 22.0.2
MODEL: ...Autosave Documents\Shift Shift Master FY23\WF4_WF4.02_Floor Plan.rvt

Type	Sign #	Sign Message	Room Number
B2	1	STAFF RESTROOM	1016
B2	2	STAFF RESTROOM & SHOWER	1012
B2	3	STAFF RESTROOM	1217
B2	4	STAFF RESTROOM	1353

Type	Sign #	Sign Message	Room Number
B3	1	FAMILY RESTROOM	1007
B3	2	FAMILY RESTROOM	1008
B3	3	FAMILY RESTROOM	1201

Type	Sign #	Sign Message	Room Number
F1	1	Restroom Flag ID (See Drawing)	1323
F1	2	Restroom Flag ID (See Drawing)	1328
F1	3	Restroom Flag ID (See Drawing)	1007
F1	4	Restroom Flag ID (See Drawing)	1237
F1	5	Restroom Flag ID (See Drawing)	1216
F1	6	Restroom Flag ID (See Drawing)	1243
F1	7	Restroom Flag ID (See Drawing)	1246
F1	8	Restroom Flag ID (See Drawing)	1251
F1	9	Restroom Flag ID (See Drawing)	1343
F1	10	Restroom Flag ID (See Drawing)	1201

Type	Sign #	Sign Message	Room Number
F2	1	Check Out w/ Arrow	Near 1102
F2	2	Check Out w/ Arrow	Near 1316
F2	3	Check Out w/ Arrow	Near 1321
F2	4	Check Out w/ Arrow	Near 1233
F2	5	Check Out w/ Arrow	Near 1201
F2	6	Check Out w/ Arrow	Near 1250

Type	Sign #	Sign Message	Room Number
C1	1	E23	1224
C1	2	E24	1223
C1	3	E25	1222
C1	4	T1	1108
C1	5	T2	1109
C1	6	T3	1106
C1	7	T4	1103
C1	8	T5	1102

Type	Sign #	Sign Message	Room Number
C2	1	Overhead Wayfinding (See Drawing)	1271

Type	Sign #	Sign Message	Room Number
D1	1	ELECTRICAL	1014
D1	2	ELECTRICAL	1449
D1	3	ELECTRICAL	1451

Type	Sign #	Sign Message	Room Number
D1-EXT	1	ELECTRICAL	1449
D1-EXT	2	ELECTRICAL	1451

Type	Sign #	Sign Message	Room Number
K1	1	Patient Rights Sign (See Drawing)	1001
K1	2	Patient Rights Sign (See Drawing)	1001
K2	1	Patient Rights Sign (See Drawing)	1001
K2	2	Patient Rights Sign (See Drawing)	1001
K2	3	Patient Rights Sign (See Drawing)	1001
K2	4	Patient Rights Sign (See Drawing)	1001

Type	Sign #	Sign Message	Room Number
M1	1	Evacuation Map (See Drawing)	Near 1011
M1	2	Evacuation Map (See Drawing)	Near 1013
M1	3	Evacuation Map (See Drawing)	Near 1311
M1	4	Evacuation Map (See Drawing)	Near 1238
M1	5	Evacuation Map (See Drawing)	Near 1252
M1	6	Evacuation Map (See Drawing)	Near 1304
M1	7	Evacuation Map (See Drawing)	Near 1327
M1	8	Evacuation Map (See Drawing)	Near 1212
M1	9	Evacuation Map (See Drawing)	Near 1249
M1	10	Evacuation Map (See Drawing)	Near 1442
M1	11	Evacuation Map (See Drawing)	Near 1354
M1	12	Evacuation Map (See Drawing)	Near 1101
M1	13	Evacuation Map (See Drawing)	1002

Type	Sign #	Sign Message	Room Number
N1	1	SOILED UTILITY	1253
N1	2	SOILED UTILITY	1352

Type	Sign #	Sign Message	Room Number
N2	1	CT	1354
N2	2	RADIOLOGY	1346

Type	Sign #	Sign Message	Room Number
N3-EXT	1	CYLINDER ROOM	1452

Type	Sign #	Sign Message	Room Number
L1	1	Logo Letterset (See Drawing)	1101
L1	2	Logo Letterset (See Drawing)	1002



B2 Staff Restroom
(Qty 4)



B3 Family Restroom
(Qty 3)



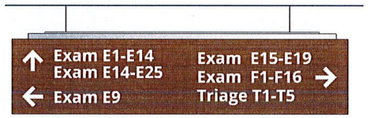
F1 Restroom ID Wall Mounted D/F
(Qty 10)



F2 Check Out Wall Mounted D/F
(Qty 6)



C1 Room ID Number
Ceiling Mounted
(Qty 8)



C2 Overhead Wayfinding
Ceiling Mounted D/F
(Qty 1)



D1 Electrical
(Qty 3)



D1-EXT Electrical Exterior
(Qty 2)



K1 Patient Rights Sign
(38" x 28" Insert)
(Qty 2)



K2 Patient Rights Sign
(17" x 11" Insert)
(Qty 4)



M1 Evacuation Map
(8.5" x 11" Insert)
(Qty 13)



N1 Soiled Utility
(Qty 2)



N2 Radiation Area
(Qty 2)



N3-EXT Cylinder Room Exterior
(Qty 1)

Memorial Hospital Pembroke

02 INTERIOR MESSAGE SCHEDULE - PART 2
NOT TO SCALE

Type	Sign #	Sign Message	Room Number
A1	1	STAFF LOUNGE	1018
A1	2	ADMIN SUITE	1033
A1	3	CONFERENCE ROOM	1023
A1	4	ADMIN SUITE	1033
A1	5	MD LOUNGE	1017
A1	6	STAFF LOCKERS	1013
A1	7	STAFF ONLY	1034
A1	8	CLEAN SUPPLY ROOM	1304
A1	9	CLEAN SUPPLY ROOM	1304
A1	10	TRIAGE	1101
A1	11	REGISTRATION STORAGE	1009
A1	12	TRIAGE	1101
A1	13	TRIAGE	1101
A1	14	TRIAGE	1101
A1	15	STAFF ONLY	1205
A1	16	SECURITY	1003
A1	17	STAFF ONLY	1271
A1	18	EQUIPMENT STORAGE	1241
A1	19	EMS LOUNGE	1218
A1	20	DECON ROOM	1226
A1	21	WATER HEATER	1453
A1	22	WELLNESS ROOM	1348
A1	23	EQUIPMENT STORAGE	1347
A1	24	LABORATORY	1349
A1	25	LABORATORY STORAGE	1351
A1	26	CONTROL ROOM	1356
A1	27	DRESSING ROOM	1342
A1	28	CLINICAL ENGINEERING	1447
A1	29	STRETCHER HOLDING	1341
A1	30	MEDICATION PREP ROOM	1308
A1	31	MEDICATION PREP ROOM	1308
A1	32	TDR	1446
A1	33	FIRE RISER CLOSET	1441
A1	34	MECHANICAL	1442
A1	35	ENVIRONMENTAL SERVICES	1444
A1	36	FACILITIES / RECEIVING	1448

Type	Sign #	Sign Message	Room Number
A1-EXT	1	DECON ROOM	1226
A1-EXT	2	FACILITIES	1225
A1-EXT	3	VAC PUMP & MED AIR COMPRESSOR	1443
A1-EXT	4	ENVIRONMENTAL SERVICES	1444

Type	Sign #	Sign Message	Room Number
A2	1	Nurse Manager (Name TBD)	1019
A2	2	Director (Name TBD)	1021
A2	3	Medical Director "Name TBD"	1022
A2	4	PFS (Name TBD)	1011
A2	5	Quality Nurse (Name TBD)	1020
A2	6	Clinical Nurse Manager (Name TBD)	1248

Type	Sign #	Sign Message	Room Number
A3	1	EXAM ROOM E1	1214
A3	2	EXAM ROOM E2	1213
A3	3	PROCEDURE ROOM E3	1212
A3	4	TRAUMA ROOM E4	1210
A3	5	EXAM ROOM E5	1209
A3	6	EXAM ROOM E6	1208
A3	7	EXAM ROOM E7	1204
A3	8	EXAM ROOM E8	1203
A3	9	EXAM ROOM E9	1202
A3	10	EXAM ROOM E10	1236
A3	11	EXAM ROOM E11	1238
A3	12	EXAM ROOM E12	1242
A3	13	EXAM ROOM E13	1249
A3	14	EXAM ROOM E14	1252
A3	15	EXAM ROOM E15	1234
A3	16	EXAM ROOM E16	1207
A3	17	EXAM ROOM E17	1233
A3	18	EXAM ROOM E18	1232
A3	19	EXAM ROOM E19	1231
A3	20	EXAM ROOM E20	1229
A3	21	EXAM ROOM E21	1228
A3	22	EXAM ROOM E22	1227
A3	23	EXAM ROOM F1	1319
A3	24	EXAM ROOM F2	1318
A3	25	EXAM ROOM F3	1317
A3	26	EXAM ROOM F4	1316
A3	27	EXAM ROOM F5	1314
A3	28	EXAM ROOM F6	1313
A3	29	EXAM ROOM F7	1312
A3	30	EXAM ROOM F8	1331
A3	31	EXAM ROOM F9	1329
A3	32	EXAM ROOM F10	1327
A3	33	EXAM ROOM F11	1321
A3	34	EXAM ROOM F12	1324
A3	35	EXAM ROOM F13	1326
A3	36	EXAM ROOM F14	1303
A3	37	EXAM ROOM F15	1302
A3	38	EXAM ROOM F16	1301

Type	Sign #	Sign Message	Room Number
B1	1	PATIENT RESTROOM	1323
B1	2	PATIENT RESTROOM	1328
B1	3	PATIENT RESTROOM	1237
B1	4	PATIENT RESTROOM	1216
B1	5	PATIENT RESTROOM	1243
B1	6	PATIENT RESTROOM	1246
B1	7	PATIENT RESTROOM	1251
B1	8	PATIENT RESTROOM	1343
B1	9	PATIENT RESTROOM	1104



A1 Room ID
(Qty 36)



A1-EXT Room ID Exterior
(Qty 4)



A2 Changable Room ID with Insert
(Qty 6)



A3 Exam Room ID Fast Track
(Exam Qty 38)



A3 Exam Room ID ED Room



B1 Patient Restroom
(Qty 9)

01 INTERIOR MESSAGE SCHEDULE - PART 1
NOT TO SCALE

OWNER
MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL 33021

ARCHITECT
HKS ARCHITECTS, INC.
2020 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL 33134

INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201

MEP ENGINEER
TLC ENGINEERING SOLUTIONS
255 S. ORANGE AVE. STE 1600
ORLANDO, FL 32801

LOW VOLTAGE
SMITH SECKMAN REID, INC.
2995 SIDCO DRIVE,
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3300 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 205
WEST PALM BEACH, FL 33411-2410

Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

STATE OF FLORIDA · JUSTIN G. SORELL · AR99092 · REGISTERED ARCHITECT

CON NO.: 111AAA
KEY PLAN



REVISION

NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
OCTOBER 20, 2023
ISSUE
SITE PLAN SUBMITTAL

SHEET TITLE
SIGNAGE - INTERIOR MESSAGE SCHEDULE

SHEET NO.
WF4.03

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TITLE BLOCK VERSION: 20210630
PRINT DATE: 7/14/2023 4:00 PM TEMPLATE VERSION: 23.0
WORKSET: Worksharing Disabled

aspire 4.10.100 3/23

Aspire is a simple yet innovative system for securely capturing a wide range of signage and display panels. The system features a durable, 2-part extruded aluminum capture rail with clean lines and soft radius edges.









Overview

Aspire is a 2-part extruded aluminum capture rail system with clean lines and soft radius edges.

Its flexibility allows for display panels from 1/8" (3mm) to 1/4" (6mm) thickness, including frosted, clear, or painted acrylic, in rectangular or virtually any custom shapes.

Although panel exposure is minimal, Aspire's unique design offers a high degree of tamper resistance without the use of any exposed fasteners. At the same time, panels can be easily removed for updating, cleaning or painting the wall surfaces.

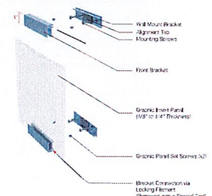
Installation and panel replacements are fast and easy, with a positive fit guaranteed.
All Aspire panels are computer-cut, and profiles feature a precision panel alignment detail to eliminate guess work with panel placement.

Ideal for Hospitality, Senior Living, Multi-Family Housing, Corporate, Museums, and Donor Recognition.

Features

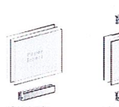
- 2 Part Extruded Aluminum Assembly
  Black Anodized (Standard) or Custom Finish
- Approximately 5/8" Overall Depth
- Single Bottom Bracket Optional for Smaller Size Panels
- Accommodates 1/8" to 1/4" Thick Display Panels
  Purchased (Standard) or Customs Product
- Tamper Resistant Yet Easily Serviceable Design
- Windows for Paper Inserts Available in Certain Sizes
  Other Restrictions Apply
- Standard Panel Display Widths:
  6", 8", 8-1/2", 11", & 17"
- Concealed Fasteners

Double-Bracket Assembly



Non-Glare Acrylic Window for Paper Display (1/4") **P**

- 1st Button Release Print Graphics and/or DP-Guide (As Optional)
- **Important:** Draw Insert Letter & Tablet Sizes, no Signs to paper is available for the Aspire system.

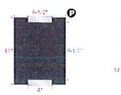


AS-301A1-WIN
(w/ Single Bracket)



AS-301A2-WIN
(w/ Double Bracket)

** Features two 1/8" thick plug ins with a paper display insert/insert.



AS2L06-1185
4"w Bracket
1175 x 8-1/2"w Insert
5x7 in Display Area



AS2L06-1711
6"w Bracket
1715 x 11"w Insert
10x7 in Display Area



AS2L08-2217
8"w Bracket
2275 x 17"w Insert
20x15 in Display Area

07 APCO: ASPIRE SIGN SYSTEM (PATIENT RIGHTS SIGNAGE)
NOT TO SCALE

4/7/2016

ELEVATE
FRAMELESS SIGN SYSTEM

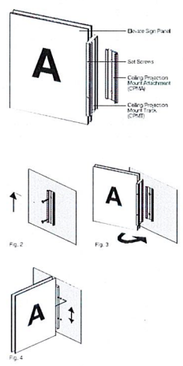
Projection Wall Mount

IMPORTANT: Before proceeding, loosely position the entire sign assembly into place so the graphics are oriented correctly. The CPMA bracket has a Side A and Side B, so it will need to remain in this same orientation for the final assembly. Take care not to reverse the sides of the CPMA during the installation process or the sign will be installed backwards.

Installation will require wall anchors suitable for existing wall construction and the size of the sign.*

1. Remove the CPMA from the sign assembly by loosening the set screws on the side of the CPMA. (Do not remove set screws).
2. Mount Attachment (CPMA) holes are predrilled. Determine sign mounting height from the project specifications and mark the locations on the wall as needed.
   Plumb level the CPMA and transfer the mounting holes to the wall. Install anchors and tighten. (see fig. 2)
3. Engage the "hinge" edge of the CPMT in the notch area of the CPMA and rotate the sign assembly so that the CPMT and CPMA mate. (see fig. 3)
4. Make any vertical adjustment by sliding sign up or down, before tightening the set screws. Tighten the set screws and final check the assembly. (see fig. 4)

* Due to the wide range of wall conditions, mechanical fasteners or anchors are not provided by APCO unless installation is within APCO's scope of work. It is the installer's / customer's responsibility to select the most appropriate fastener for each particular sign location.



APCO 399 Grant Street, SE, Atlanta, Georgia USA 30312-2227 Telephone 877-998-2726 Web www.apcosigns.com ES468

06 PROJECTION WALL MOUNT SIGN
NOT TO SCALE

4/7/2016

ELEVATE
FRAMELESS SIGN SYSTEM

Flush Mount to Accoustical Tile Grid

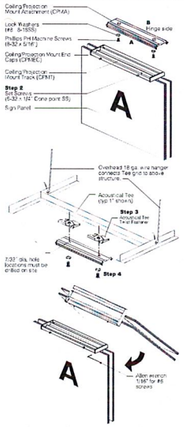
IMPORTANT: Before proceeding, loosely position the entire sign assembly into place so the graphics are oriented correctly. The CPMA bracket has a Side A and Side B, so it will need to remain in this same orientation for the final assembly. Take care not to reverse the sides of the CPMA during the installation process or the sign will be installed backwards.

Installation Steps

1. Prepare the location by lifting and shifting any adjacent ceiling tiles to the side so the Tee grid system is exposed.
2. Remove the CPMA from the sign assembly by loosening the set screws on the side of the CPMA. (Do not remove set screws)
3. Attach the Twist Fasteners to the Tee grid.
4. Adjust fastener locations so they align with the hole corners in the mount attachment (CPMA). (Due to uneven ceiling grid dimensions, hole locations must be at 8 locations). Use the 6-32 x 5/16" machine screws to secure the CPMA to the Twist Fasteners.
5. Position the sign on the CPMA by hanging the Mounting Track (CPMT) hinge Side B section on to the Mount Attachment as shown. (See fig 5)
6. Rotate sign up until it is vertical and CPMT and CPMA mate. Tighten set screws completely, but do not over tighten. (see fig 6)
7. Check to be sure the set screws are holding the sign properly. Replace ceiling tiles.

IMPORTANT WARNING

Because conditions may vary, you are urged to assess whether the grid will support the weight of the sign. It may be necessary for additional above ceiling hangers to be attached to the major Tee flange supports if the signs is large in size and constructed of heavy materials.



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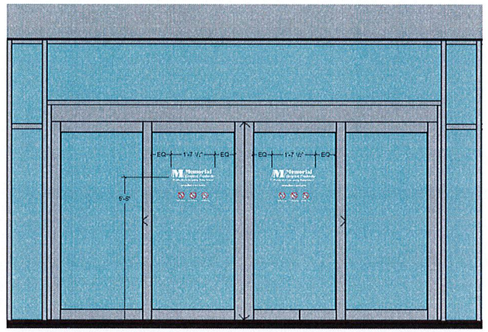
05 STANDARD OVERHEAD CEILING MOUNT SIGN
NOT TO SCALE



04 DOOR VINYL
NOT TO SCALE

BACKGROUND & IMPRINT COLORS

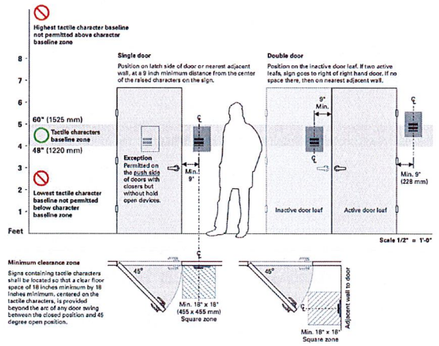
AG1

Laminate for Building Standard signs:
Formica Natural Grain - Camel Elm 5795

DECORATIVE FINISHES



03 SIGN COLORS AND FINISHED
NOT TO SCALE



02 ROOM SIGNAGE INSTALLATION GUIDELINES
NOT TO SCALE

ELEVATE
System Overview

4.9.102
4/22

Overview

Elevate's clean, unique floating appearance: all display components are securely engaged within a precisely engineered, concealed aluminum chassis.

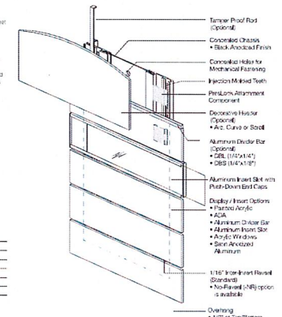
Because of its frameless design, Elevate is the ideal system to showcase the latest direct-print technologies, including full-bleed graphics around all edges of display panels for greater visual impact.

Features

- Frameless
- No Insert Tool Needed
  Inserts removed by shifting left and pulling outward.
- Unique Floating Appearance
- Press-on-Bling-sweed, High-Quality Components
- Modular
- User-Updatable Solutions
- Concealed Tamper Proof Option
- Compatible with Process Patient Information System
- For Interior Use Only

Standard Sign Widths/Codes

6"	EV06
8.5"	EV85
11"	EV11
14"	EV14
17"	EV17
22"	EV22



Acrylic Bands

EV-ACR

1/8" thick laser-cut acrylic with painted backers, inserted and insert backer print graphics.

Standard Color/Graphics Options
- Painted Background, 1-Color
- 1st Surface, Flatbed-Print Graphics.

Codes
"EV-ACR" followed by 2-digit height & 2-digit width.
Examples:
- EV-ACR1506 1-1/2"h x 6"w
- EV-ACR0885 8-1/2"h x 8-1/2"w
- EV-ACR0611 6"h x 11"w

Height*	Widths 6"	8.5"	11"	14"	17"	22"
1.5"	•	•	•	•	N/A	N/A
2"	•	•	•	•	•	•
2.5	•	•	•	•	•	•
3"	•	•	•	•	•	•
4"	•	•	•	•	•	•
6"	•	•	•	•	•	•
8.5"	•	•	•	•	•	•
11"	•	•	•	•	•	•
14"	•	•	•	•	•	•
17"	•	•	•	•	•	•

***IMPORTANT:**
Smallest sign height is 2.5".

Standard ADA Option
Acrylic with Direct Print Raised Characters and Fully Domed Braille

ADA

EV-341A-DPT

1/8" thick laser-cut acrylic with APCO's DP-Tactile process direct-print tactile characters and fully domed Braille. Non-tactile graphics are flatbed printed.

Photopolymer ADA Insert Codes
"EV-341A-DPT" followed by 2-digit height & 2-digit width.

Examples:
- EV-341A-DPT-2585 2-1/2"h x 8-1/2"w
- EV-341A-DPT-0600 6"h x 6"w
- EV-341A-DPT-0385 4"h x 8-1/2"w

Height*	Widths 6"	8.5"	11"	14"	17"
2"	•	•	•	•	•
2.5	•	•	•	•	•
3"	•	•	•	•	•
4"	•	•	•	•	•
6"	•	•	•	•	•
8.5"	•	•	•	•	•
11"	•	•	•	•	•
14"	•	•	•	•	•
17"	•	•	•	•	•

***IMPORTANT:**
Smallest sign height is 2.5".

Insert Slot

EV-IS

Extruded aluminum InsertSlot to accept paper inserts with non-glare Lexan overlays.
This Standard InsertSlot Option features clear .020" PETG, push-down end caps on the left and right sides of the track.

Notes
eMAIN ANGLES/ finish is recommended but painted finishes are available.

InsertSlots with no caps or a cap on only one side are optional. Please specify accordingly.

See page 4.9.118 for compatible SignWorld paper inserts.

Height*	Code	Widths 6"	8.5"	11"	14"	17"
1.5"	EV-IS15	•	•	•	•	•
2"	EV-IS20	•	•	•	•	•
2.5"	EV-IS25	•	•	•	•	na
3"	EV-IS30	•	•	•	•	na

***IMPORTANT:**
Smallest sign height is 2.5".



Push-down End Caps

01 APCO: ELEVATE SIGN SYSTEM (Room Signage)
NOT TO SCALE

HKS

OWNER
MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL. 33021

ARCHITECT
HKS ARCHITECTS, INC.
2020 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL. 33134

INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201

MEP ENGINEER
TLC ENGINEERING SOLUTIONS
255 S. ORANGE AVE. STE 1600
ORLANDO, FL 32801

LOW VOLTAGE
SMITH SECKMAN REID, INC.
2995 SOCO DRIVE
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3300 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 209
WEST PALM BEACH, FL 33411-2410

Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

STATE OF FLORIDA
JUSTIN G. KOREY
AR99092
REGISTERED ARCHITECT

CON NO.: 111AAA
KEY PLAN



REVISION

NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430

HKS PROJECT NUMBER
25566.000

DATE
OCTOBER 20, 2023

ISSUE
SITE PLAN SUBMITTAL

SHEET TITLE
SIGNAGE - INTERIOR SPECIFICATIONS

SHEET NO.
WF4.04

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PRINT DATE: 7/14/2023 4:00 PM TEMPLATE VERSION 23.0.2
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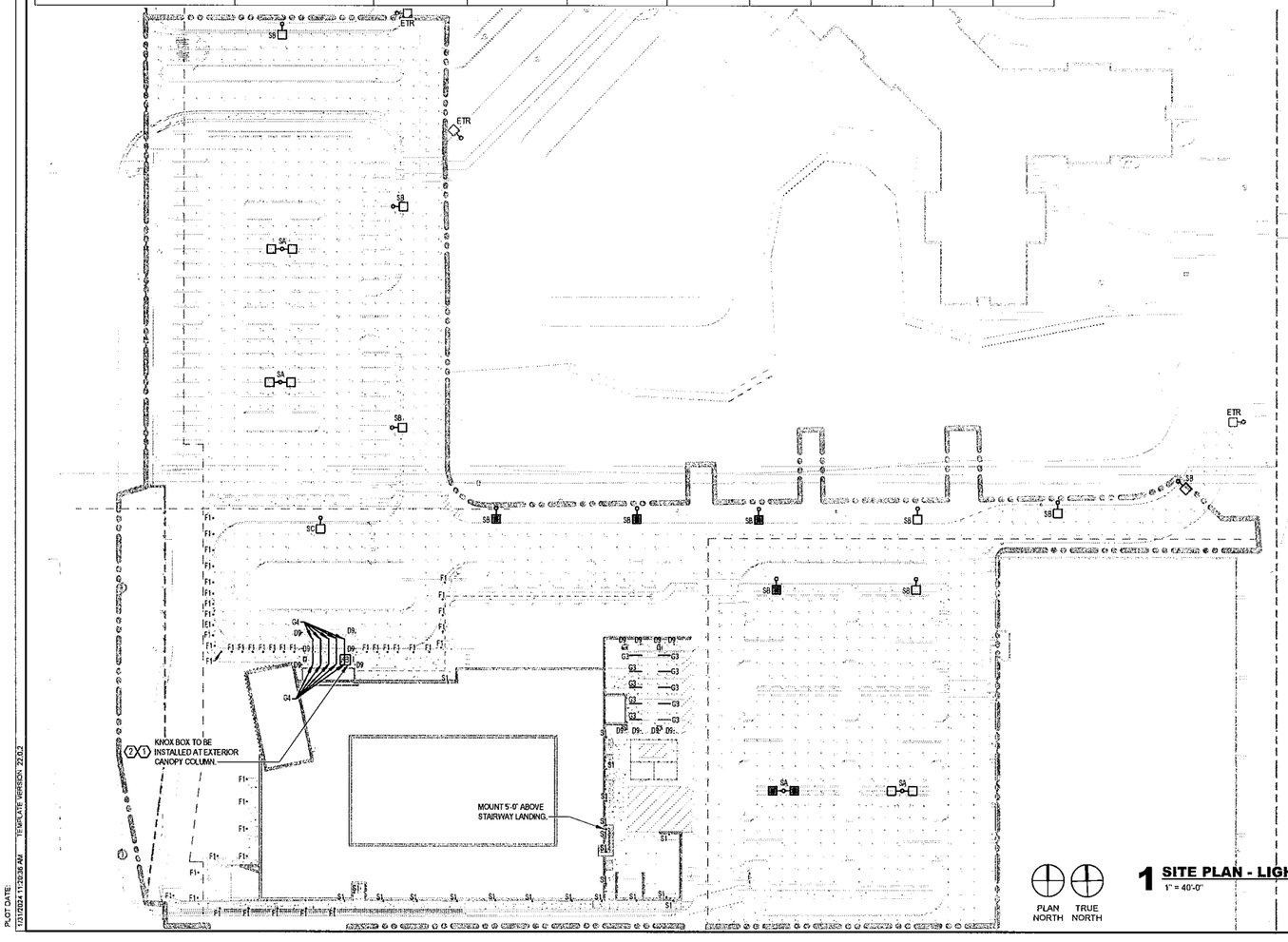
LUMINAIRE SCHEDULE

SYMBOL	QTY	LABEL	ARRANGEMENT	MANUFACTURER	CATALOG NUMBER	MOUNTING	LLF	LUMINAIRE LUMENS	LUMINAIRE WATTS	BUG RATING
◎	43	F1	Single	BEGA	Bega 99 570 K3	BOLLARD	0.900	1080	12.4	B1-U3-G1
▭	10	G3	Single	Mark Architectural Lighting	SL6L LOP 8FT FLP FL 80CRI 30K 600LMF MIN10 277 ZT WL	RECESSED	0.760	4950	48.0	N.A.
▭	10	G4	Single	Mark Architectural Lighting	SL6L LOP 8FT FLP FL 80CRI 30K 400LMF MIN10 277 ZT WL	RECESSED	0.760	4950	32.0	N.A.
○	14	D9	Single	Lithonia Lighting	LDN6 30/20 L06AR LSS MVOLT GZ10 WL	RECESSED	0.670	1338	23.0	B1-U0-G0
○	15	S1	Single	Brownlee Lighting Inc	7110-26-H32-30K	WALL MOUNTED	0.900	3144	31.98	B0-U0-G3
□—○—□	4	SA	Back-Back	Lithonia Lighting	RSX2 LED P2 30K R5	POLE MOUNTED, 25' A.F.G.	0.900	32144	228.14	B4-U0-G2
○—□	10	SB	Single	Lithonia Lighting	RSX2 LED P3 30K R3	POLE MOUNTED, 25' A.F.G.	0.900	19784	149.98	B3-U0-G3
○—□	1	SC	Single	Lithonia Lighting	RSX2 LED P3 30K R4	POLE MOUNTED, 25' A.F.G.	0.900	20043	149.98	B3-U0-G3

CALCULATION SUMMARY

LABEL	CALC TYPE	UNITS	SPACING L-R (FT)	SPACING T-B (FT)	HEIGHT (FT)	AVG	MAX	MIN	AVG/MIN	MAX/MIN
CANOPY_EAST_ENTRANCE	Illuminance	Fc	6	6	0	13.60	16.8	8.6	1.60	1.95
CANOPY_NORTH_ENTRANCE	Illuminance	Fc	6	6	0	15.04	19.0	12.6	1.19	1.51
PARKING & DRIVEWAY	Illuminance	Fc	8	8	0	2.09	6.2	0.3	6.97	20.67
PROP_LINE	Illuminance	Fc	8	N.A.	N.A.	0.26	0.5	0.0	N.A.	N.A.
WALKWAY	Illuminance	Fc	3	3	0	2.82	8.4	1.0	2.82	8.40



1 SITE PLAN - LIGHTING - PHOTOMETRICS
1" = 40'-0"

GENERAL SITE LIGHTING PLAN NOTES

1 ALL SITE LIGHTING SHALL BE FULL CUTOFF AND ANGLED AT 90 DEGREES, REFER TO CODE SECTION 155.685-155.692.

ELECTRICAL PLAN NOTES (CODED NOTES)

1 FURNISH AND INSTALL FLUSH MOUNTED KNOX BOX WITH U.L. LISTED KNOX TAMPER ALERT.
2 THE AHJ SHALL HAVE THE AUTHORITY TO REQUIRE AN ACCESS BOX(ES) TO BE INSTALLED IN AN ACCESSIBLE LOCATION WHERE ACCESS TO OR WITHIN A STRUCTURE OR AREA IS DIFFICULT BECAUSE OF SECURITY. THE ACCESS BOX(ES) SHALL BE OF AN APPROVED TYPE LISTED IN ACCORDANCE TO U.L. 1037. A KNOX BOX SHALL BE PROVIDED ON ALL BUILDINGS THAT HAVE REQUIRED SPRINKLER SYSTEMS, STANDPIPE SYSEMS OR FIRE ALARM SYSTEMS. PLEASE ORDER ON-LINE AT WWW.KNOXBOX.COM. NFPA 1-18.2.2.1.

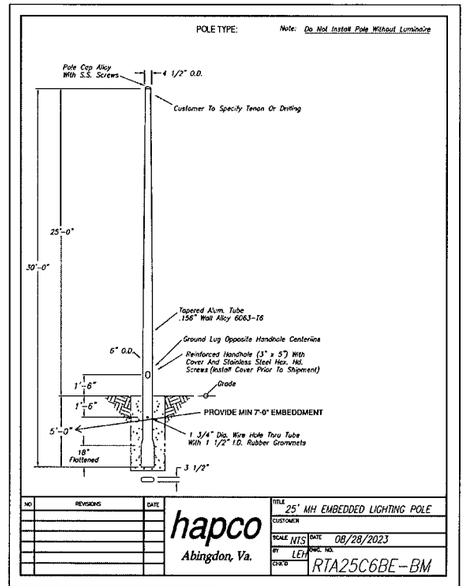
TLC ENGINEERING SOLUTIONS ©copyright 2023
600 Fairway Drive, Suite 250
Deerfield Beach, FL 33441
P 954.418.9096
COA 15
www.tlc-engineers.com
TLC No.: 122928
THINK. LISTEN. CREATE.

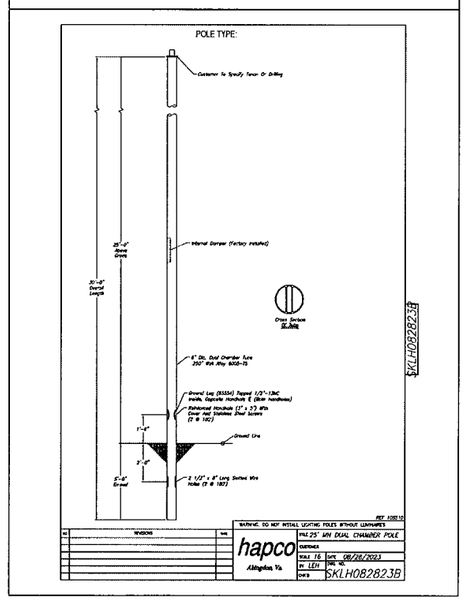
ELECTRICAL DRAWING INDEX

SHEET	DESCRIPTION
E1.03S	SITE PLAN - LIGHTING - PHOTOMETRICS
E1.04S	SITE LIGHTING CUTSHEETS

LIGHT FIXTURE SCHEDULE - SITE LIGHTS

TYPE	DESCRIPTION	MANUFACTURER AND CATALOG NO.	VOLTAGE	LAMPS	REMARKS
D9	6" RECESSED DOWNLIGHT - WET LOCATION UNDER CANOPY, 0-10V DIMMING	LITHONIA #LDN6 30/20 L06AR LSS MVOLT GZ10 WL	UNV	LED 3000K	RECESSED (23 INPUT WATTS)
F1	3FT LED BOLLARD	BEGA #99 570 K3	UNV	LED 3000K	SURFACE (14.4 INPUT WATTS)
G3	WET LOCATION RECESSED LINEAR FOR CANOPIES - 8' x 8' - AMBULANCE, 0-10V DIMMING	MARK/ACUITY #SL6L LOP 8FT FLP FL 80CRI 30K 600LMF MIN10 277 ZT WL	UNV	LED 3000K	RECESSED (6 WATT/FT)
G4	WET LOCATION RECESSED LINEAR FOR CANOPIES - 8' x 8' - MAIN ENTRY, 0-10V DIMMING	MARK/ACUITY #SL6L LOP 8FT FLP FL 80CRI 30K 400LMF MIN10 277 ZT WL	UNV	LED 3000K	RECESSED (4 WATT/FT)
S1	EXTERIOR LED WALL SCONCE - WET LOCATION	BROWNLEE #7110-26-**-H32-30K	UNV	LED 3000K	SURFACE (32 INPUT WATTS)
SA	DOUBLE HEAD SITE LUMINAIRE MOUNTED ON 25' AFG POLE	ACUITY #(2) RSX2 LED P2 30K R5 MVOLT RPA **** (PER PHOTOMETRY)	UNV	LED 3000K	POLE MOUNTED - 25' TALL POLE (228 INPUT WATTS)
SB	SINGLE HEAD SITE LUMINAIRE MOUNTED ON 25' AFG POLE	ACUITY #RSX2 LED P2 30K R3 MVOLT RPA **** (PER PHOTOMETRY)	UNV	LED 3000K	POLE MOUNTED - 25' TALL POLE (149.98 INPUT WATTS)
SC	SINGLE HEAD SITE LUMINAIRE MOUNTED ON 25' AFG POLE	ACUITY #RSX2 LED P3 30K R4 MVOLT RPA **** (PER PHOTOMETRY)	UNV	LED 3000K	POLE MOUNTED - 25' TALL POLE (149.98 INPUT WATTS)





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HKS

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1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410

Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

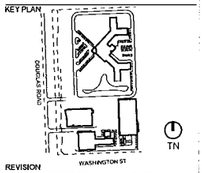
Dennis O. Davis, P.E.
Florida License #58588

This item has been digitally signed and sealed by Dennis O. Davis, PE. on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

DENNIS O. DAVIS LICENSE No 58588 STATE OF FLORIDA PROFESSIONAL ENGINEER

KEY PLAN



REVISION

NO.	DESCRIPTION	DATE
1	SITE COMMENTS	07.17.2023

HKS PROJECT NUMBER
25566.000
DATE
04/14/23
ISSUE
SITE SUBMISSION

SHEET TITLE
SITE PLAN - LIGHTING - PHOTOMETRICS
SHEET NO.
E1.03S

TYPE D9:

LITHONIA LIGHTING

FEATURES & SPECIFICATIONS

INTENDED USE — Typical applications include corridors, lobbies, conference rooms and private offices.

CONSTRUCTION — Galvanized steel mounting plate/trim plate/pivoted mid-panel hinge with integral access covers and spring latches. Reflectors are retained by torsion springs.

Vertically adjustable mounting bracket with commercial bar hangers provides 3-1/4" total adjustment.

Free standing below 10' (3.4m) or if knockouts for daylight (through) conduit runs. Capacity: 8 #14s, 4 #12s). Rated for 12 #14s) room temp. rated to 40°C.

Accommodates 12"-24" joist spacing.

Passive cooling thermal management for 22°C ambient. High ambient (40°C) option available. Light engine and drivers are accessible from above in below ceiling.

Max ceiling thickness: 1 1/2".

OPTICS — 100% sealed under a 1-ring Alto Alum. Diffuser. IK 10 minimum. 90 CRI optional.

LED light source concealed with diffusing optical lens.

General illumination lighting with 115 fc/m and 55° cutoff to source and shielded from direct view.

Self-flanged anodized reflectors as specified, some specular, some matte diffuse finishes. Also available in white and black painted reflectors.

A+ CAPABLE LUMINAIRE — This item can be a capable luminaire, which has been designed and tested to provide consistent color appearance and ease of in-the-field commissioning and control compatibility with simple connection requirements and a wide Acuity Brands control products. All configurations of this luminaire are calibrated and tested to meet the Acuity Brands specification for chromatic consistency. This luminaire is part of an A+ Certified solution for ACLARITY control networks, providing advanced control functionality at the luminaire level, when selection includes drivers and control options marked by a shaded background. For more information on A+, visit www.acuitybrands.com/aplus. See ordering tree for details.

DLA — LED drivers for luminaires that switch without voltage to neutral are rated for sliding, part # 410-DPA (Quantum) for Class 2 dimming, Lighting.

ELECTRICAL — Multi-volt (120-277V, 50/60Hz) 0-10V dimming drivers mounted to junction box, 10% or 1% minimum dimming level available.

0-10V dimming fixture requires two (2) additional low voltage wires to be pulled.

LUMEN MAINTENANCE — 70% lumen maintenance at 60,000 hours. L70/60,000 hours

LISTINGS — Certified to US and Canadian safety standards. Wet location standard (exterior ceiling). IES tested. ENERGY STAR® certified product. Drivers are RoHS compliant.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy American Act government procurement requirements under FAR, DFARS and DOD regulations. Please reference our website for purchasing info for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and applications. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

DOWNLOAD TYPE

LDN6

LDN6 STATIC WHITE

6" Open and Wallwash LED Non-IC New Construction Downlight

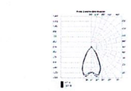


Open Trim



Wallwash Trim

DISTRIBUTIONS



Open



Wallwash

PERFORMANCE DATA

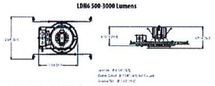
LDN6 5000K AR LSS MVOLT:

Nominal Lumens	Lumens	Wattage	Lm/W
909	927.8	5.8	160.5
756	756.1	5.3	143.3
1600	1584.1	10.4	151.2
1500	1516	17.3	86.4
2690	2696	22.5	119.8
2200	2204	28.3	88.6
3000	3021	34.8	86.8
4100	4068	44.3	91.8
5600	4975	57.2	86.9

Notes
- Tested in accordance with IESNA LM-79-08.
- Tested in normal 85 and NEMA standards under calibrated laboratory conditions.
- CRI: 80 typical.

DIMENSIONS

LDN6 500-3000 Lumens



See page 4 for other fixture dimensions

TYPE F1:

LED bollard - 360° distribution

BEGA

Type:
BEGA Product:
Project:
Modified:

Application
LED bollard with shielded 360° light distribution. This luminaire is designed to provide exceptionally symmetric illumination of ground surfaces. Prevents with mounting system that allows the luminaire to be adjusted independent of anchor bolt orientation.

Materials
Luminaire housing and base constructed of die-cast and extruded aluminum grade, copper free (≤0.5% copper content) A360.0 aluminum alloy.
Borosilicate glass lens.
Reflector made of pure anodized aluminum.
High temperature silicone gasket.
Mechanically captive stainless steel fastener.

NOTE: Listed to North American Standards, suitable for wet locations.
Protection class IP65.
Weight: 19.4 lbs

Electrical

Operating voltage	120-277V AC
Minimum start temperature	-30°C
LED module wattage	14.4 W
System wattage	20.0W
Controllability	0-10V TRIAC, and ELV dimmable
Color rendering index	Ra > 80
Luminaire lumens	745 lumens (3000K)
Lifetime at Ta+ 15°C	77,000 h, L70
Lifetime at Ta+ 25°C	53,000 h, L70

LED color temperature
- 4,000K - Product number = **K4**
- 3,000K - Product number = **K30**
- 3,500K - Product number = **K3**
- 2,700K - Product number = **K27**

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details.

Finish
All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.
Available colors: ☐ Black (BLK) ☐ White (WHT) ☐ RAL: ☐ Bronze (BRZ) ☐ Silver (SLV) ☐ DUB:





LED bollard - 360° distribution

LED	A	B
3000K	14.4 W	8% 95 lm

Article
79817

BEGA 1000 300th Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

TYPE S1:

CAPSULE-RD

STANDARD SPECIFICATIONS

PROJECT:
MODEL #:
FIXTURE TYPE:

HOUSING
Heavy-duty symmetric capsule assembly is constructed of formed aluminum (0.090" thickness) with welded ends. Two stainless steel stabilizers are engineered to the interior at each end of the fixture. Not approved for downward mounted applications. Four mounting holes in base factory installed stainless steel hardware.

DIFFUSER
UV stabilized impact resistant, flame retardant, clear 0.125" thickness of 0.093" throughout.

LED PERFORMANCE – 3500K STANDARD
120-277V = 2,500 lm, 17.5W, 143 lm/W, 4,000 Avg = 4,750 rated lumens at Ta = 25°C (77°F). Amperage rated @ 120V only.
Operating ambient temperature: -40°C (-40°F) to 40°C (104°F)

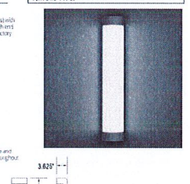
Consult Brownlee Lighting for performance at all CCTs.

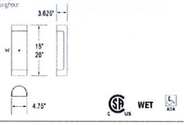
15' Stick: HO5 = 8 luminaires, 17.5 A input = 40 kW, Dimmable (0-10V)
15' Stick: HO6 = 10 luminaires, 14.4 A input = 33.0 kW, Dimmable (0-10V)
26' Stick: HO5 = 15 luminaires, 30.4 A input = 70 kW, Dimmable (0-10V)
26' Stick: HO6 = 20 luminaires, 27.2 A input = 62.5 kW, Dimmable (0-10V)

MOUNTING
Direct burial 4 x 4 x 4 cubic ft. (min.) of 3/4" stone centers the capsule for backfilling. Located 3 wood stays and bottom of mounting plate and attached to capsule at 3 points for connection to the surface during pour and backfilling. Hardware by others.

FINISH
All TGIC polyester powder coating is formulated for a finish that provides superior resistance to chalking, fading, and other forms of weathering. Consult factory for details.

WARRANTY
5 years limited warranty on metal LED product. Consult factory for details.





ORDERING INFORMATION

7110 – _____ – _____ – _____ – _____ – _____

Model | 2. | 3. | 4. | 5. | 6. (if req'd only)

2. SIZE
- 15' 15' lengths
- 26' 26' lengths

3. FINISH
- BL Black
- BZ Bronze
- MB Metallic Bronze
- NT Natural Tone
- WH White
- TB Textured Black
- TG Textured Grey
- TW Textured White

Note: Ta, Tp, TGI are only for reference and not factory controls. Consult Brownlee Lighting for color specifics.

4. WATTAGE

15 SIZE
- H08 8W Series LED
- H16 16W Hi Series LED

26 SIZE
- H16 16W Hi Series LED
- H32 32W Hi Series LED

5. COLOR TEMPERATURE
- 35K 3500K Standard color temperature
- 30K 3000K color temperature
- 40K 4000K color temperature

6. AVAILABLE OPTIONS
- BAC* Buy American Compliant
- DTR* Triac Dim Module Dimming (120V)
- ECW* Extreme Cold Weather (-40°C / -40°F min.)
- EP ENERGY STAR® (if req'd HO8)
- FCC* French Canadian client
- T24* Title 24 JA8 Compliant (H16 & H32 only)

Specifications and dimensions subject to change without notice.
Consult your Brownlee Lighting representative for available options ordering information.

BROWNLEE LIGHTING

TYPES G3 & G4:

MARK ARCHITECTURAL LIGHTING

Slot 6 LED
Recessed Linear

Type:
Project:
Catalog Number:
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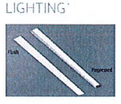


Flush

Recessed

Application
Slot 6 LED is the ideal choice for spaces that emphasize lines and clean contemporary design. It is a perfect fit for Armstrong TechZone™ ceiling systems. A regressed lens option provides added dimension to the sleek, slender design and the flush lens now has a Wet Label option.

Specification Features

Housing
Nominal 6" x 2", 3", 4", 5", 6", 7", 8" and continuous rows in 1" increments as standard, upper housing fabricated from solid-rolled steel with extruded aluminum ending trim.

Finish
Polyester powder coat painted finish.

Reflector
Precision-formed steel; high reflectance matte white powder coat; 93% reflectivity.

Shielding
Flush Lens: Sculpted 90% transmissive satin acrylic lens. Lens is not sealed or gasketed.
Regressed Lens: Low-iron 90% transmissive satin acrylic lens.

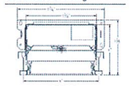
Mounting
Recessed. Available for sheetrock, 9/16" slot grid or 15/16" inverted tee ceilings, or 9/16" inverted tee.

Certification
CSA listed to UL 1598 standards. Optional Damp or Wet location listings available, see ordering tree. This product is IC rated.

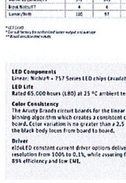
Warranty
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and applications. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Technical Drawing



Flush (FLT)



Fixture Performance– 5L6L*								
Lumen Output	600 LMF		600 LMF**		900 LMF**		1200 LMF	
Pattern Style	BLP	FLP	BLP	FLP	BLP	FLP	BLP	FLP
Delivered Lumens/FT	372	395	466	494	936	993	1246	1324
Brand Multiplier	1	1	1	1	1	1	1	1
Lumen/Watt	105	97	115	108	113	104	106	97

*Lumen values are for the unshielded center wattage and number of lamps listed in the model number.
**Dual row luminaire models.

Note: L6SA data available on Page 5

LED Components
Linear: Nichia 5 – 757 Series LED chips (available in 80 or 90 CRI)

LED Life
Rated 85,000 hours (L80) at 25 °C ambient temperature.

Color Consistency
The Acuity Brands circuit boards for the linear LED components use a proven binning algorithm which creates a consistent color temperature from board to board. Color variation is no greater than a 2.5 Step MacAdam (2.5 SDCM) along the black body locus from board to board.

Driver
eldoLED constant current driver options delivers ultra-smooth dimming resolution from 100% to 0.1%, while assuring flicker free, low current ripple, 85% efficiency and low EMI.



Occupancy Sensor (OSP) and/or Photocell (ACC)

Integrated Controls
Optional, all-light embedded controls make luminaire addressable- allowing it to be digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Simply connect all the nLight enabled control devices using standard CAT5 Cabling. (Input option: NLIGHT)

Photometry
For photometric information refer to www.acuitybrands.com



Declare.

Page 1 of 5

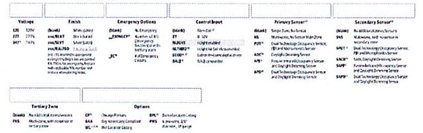
TYPES G3 & G4:

MARK ARCHITECTURAL LIGHTING

Slot 6 LED
Recessed Linear

Ordering

Example: SL6L LCP BFT FLP TG 80CRI 35K 900LMF DARK 120 NLIGHT



A+ Capable Luminaire
This item is an A+ Capable luminaire, which has been designed and tested to provide consistent color appearance and easy-to-use control compatibility with simple commissioning.
- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency.
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with sensors/wireless controls marked by a shaded background.*
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes drivers and control options marked by a shaded background.*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

Page 2

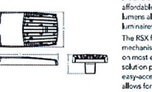
TYPES SA, SB & SC:

RSX2 LED
Area Luminaire



Specifications

EPA (ft²/80°):	0.69 ft² (0.06 m²)
Length:	29.3" (74.4 cm) (SPA mount)
Width:	13.4" (34.0 cm)
Height:	3.0" (7.6 cm) Main Body; 7.2" (18.3 cm) Arm
Weight: (SPA mount)	30.0 lbs (13.6 kg)





Introduction
The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX2 delivers 11,000 to 31,000 lumens allowing it to replace 250W to 1000W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted in most existing drilling patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

Ordering Information EXAMPLE: RSX2 LED P6 40K R3 MVOLT SPA DDBXD

RSX2 LED

Sample Number	Category	Qty.	Distribution	Mount	Driver
RSX2 LED	P1	30K 3000K	R2 Type 2 Short	MAST (SQUARE POLE)*	SPA Square pole mounting (3.5" min. DDBXD for 3.5" to 4" pole; DDBTXD for 2.5" to 3.5" pole)
	P2	40K 4000K	R3 Type 3 Short	RPAT (ROUND POLE)*	RPA Round pole mounting (2.7" min. for RPA tenon; use SPA for 2" to 2.7" tenon)
	P3	50K 5000K	R2S Type 2 Short Symmetric	FTBT (STRAIGHT BELL)*	WBA Wall bracket (specify finish)
	P4		R4 Type 4 Short	(See separately packaged for options (no model))	BS Mounting adjustable 360° (standard)
	P5		R4S Type 4 Short Symmetric	HSA Houseside Shield	SF Single fuse (120V, 277V, 347V)
	P6		R5 Type 5 Short	2@180 2 @ 180°	DF Double fuse (208V, 240V, 480V)
			R5S Type 5 Short Symmetric	2@90 2 @ 90°	
			R6 Type 6 Short	ESA Extended Shield	
			ARW6 Automotive Rear Wedge	ASA Angled Shield	
			ARW6S Automotive Rear Wedge Symmetric		

Finish	Color
Standard Finish	
DDB Dark Bronze	DBL Black
DBT Textured Dark Bronze	DNA Natural Aluminum
BLK Black	DWH White
NAT Natural Aluminum	
WHT White	
Specialty Finish	
DDBXD Dark Bronze	
DBLXD Black	
DNAXD Natural Aluminum	
DWHXD White	
DSSTXD Sandstone Black	
DDBTXD Textured Dark Bronze	
DBLBXD Textured Black	
DNATXD Textured Natural Aluminum	

Shipped Standard
- PE Photocell, ANSI
- PER Photocell, ANSI, Button Type
- DS Dual Switching*
- DMG 0-10V dimming wires pulled to luminaire for external control (not available with PE, DS)

Shipped Separately (requires some field assembly)
- BCE Bird Control Kit
- SPA Square Pole Mounting Adaptor*
- RPA Round Pole Mounting Adaptor*
- WBA Wall Bracket*
- SRM25C Mounting Adaptor, Round Pole, 2.5" OD, Single Unit*
- SRM25C2 Mounting Adaptor, Round Pole, 2.5" OD, Two Units*
- SRM35C Mounting Adaptor, Round Pole, 3.5" OD, Single Unit*
- SRM35C2 Mounting Adaptor, Round Pole, 3.5" OD, Two Units*
- SRMRA Mounting Adaptor, Round Pole, Retrofit Arm*
- SRMSQ Mounting Adaptor, Square Pole, Single Unit*
- SRMSQ2 Mounting Adaptor, Square Pole, Two Units*
- SRMSQRA Mounting Adaptor, Square Pole, Retrofit Arm*

Control	Description
NLTAIR2 PIR	nLight AIR 2 enabled, wireless motion/ambient light sensor, 8-30' mounting height, ceiling or wall mount
NLTAIR2 PIRH	nLight AIR 2 enabled, wireless motion/ambient light sensor, 30-45' mounting height, ceiling or wall mount
NLTAIR2 PIR1FC	nLight AIR 2 enabled, wireless motion/ambient light sensor, 8-30' mounting height, ceiling or wall mount, 1 footcandle
NLTAIR2 PIRH1FC	nLight AIR 2 enabled, wireless motion/ambient light sensor, 30-45' mounting height, ceiling or wall mount, 1 footcandle
NLTAIR2 PDT	nLight AIR 2 enabled, wireless dual technology occupancy sensor and daylight harvesting sensor
NLTAIR2 PDTH	nLight AIR 2 enabled, wireless dual technology occupancy sensor and daylight harvesting sensor, 30-45' mounting height
NLTAIR2 HBL	nLight AIR 2 enabled, wireless high bay occupancy sensor
NLTAIR2 HBLH	nLight AIR 2 enabled, wireless high bay occupancy sensor, 30-45' mounting height
NLTAIR2 LDL	nLight AIR 2 enabled, wireless linear daylight harvesting sensor
NLTAIR2 LDLH	nLight AIR 2 enabled, wireless linear daylight harvesting sensor, 30-45' mounting height
NLTAIR2 SWPODXD	nLight AIR 2 enabled, wireless wall switch pod, dark bronze finish
NLTAIR2 SWPODWH	nLight AIR 2 enabled, wireless wall switch pod, white finish
NLTAIR2 SWPODNAT	nLight AIR 2 enabled, wireless wall switch pod, natural aluminum finish
NLTAIR2 SWPODBLK	nLight AIR 2 enabled, wireless wall switch pod, black finish
NLTAIR2 SWPODBLKT	nLight AIR 2 enabled, wireless wall switch pod, black textured finish
NLTAIR2 SWPODNATT	nLight AIR 2 enabled, wireless wall switch pod, natural aluminum textured finish
NLTAIR2 SWPODWHT	nLight AIR 2 enabled, wireless wall switch pod, white textured finish
NLTAIR2 SWPODDBT	nLight AIR 2 enabled, wireless wall switch pod, dark bronze textured finish

Declare.

Page 3 of 5

TYPES SA, SB & SC:

Ordering Information

Accessories

Ordered and shipped separately.

HSA	Houseside Shield (RSX2 LED)
HSAXD	Houseside Shield (RSX2 LED) Dark Bronze
HSAWH	Houseside Shield (RSX2 LED) White
HSABLK	Houseside Shield (RSX2 LED) Black
HSANAT	Houseside Shield (RSX2 LED) Natural Aluminum
EGS	External Glare Shield (RSX2 LED)
EGSXD	External Glare Shield (RSX2 LED) Dark Bronze
EGSWH	External Glare Shield (RSX2 LED) White
EGSBLK	External Glare Shield (RSX2 LED) Black
EGSNAT	External Glare Shield (RSX2 LED) Natural Aluminum
E360	External 360 Full Visor (RSX2 LED)
E360XD	External 360 Full Visor (RSX2 LED) Dark Bronze
E360WH	External 360 Full Visor (RSX2 LED) White
E360BLK	External 360 Full Visor (RSX2 LED) Black
E360NAT	External 360 Full Visor (RSX2 LED) Natural Aluminum

NOTES
1. Not available with P7 or P8.
2. Not available with R2S, R4S, R5S, R5W, R5WS, R5AM, R5AMS, R5BLC, R5BLCS, R5LC, R5LCS, R5RC, R5RCS, R5TFTC, R5TFTCS, R5TFTF, R5TFTFS, R5TFTM, R5TFTMS, R5TFTW, R5TFTWS, R5TFTX, R5TFTXS, R5TFTY, R5TFTYS, R5TFTZ, R5TFTZS, R5VLC, R5VLCS, R5VLW, R5VLWS, R5VLX, R5VLXS, R5VLY, R5VLYS, R5VLZ, R5VLZS, R6, R6S, R6W, R6WS, R6AM, R6AMS, R6BLC, R6BLCS, R6LC, R6LCS, R6RC, R6RCS, R6TFTC, R6TFTCS, R6TFTF, R6TFTFS, R6TFTM, R6TFTMS, R6TFTW, R6TFTWS, R6TFTX, R6TFTXS, R6TFTY, R6TFTYS, R6TFTZ, R6TFTZS, R6VLC, R6VLCS, R6VLW, R6VLWS, R6VLX, R6VLXS, R6VLY, R6VLYS, R6VLZ, R6VLZS, ARW6, ARW6S, R5, R5S, R5W, R5WS, R5AM, R5AMS, R5BLC, R5BLCS, R5LC, R5LCS, R5RC, R5RCS, R5TFTC, R5TFTCS, R5TFTF, R5TFTFS, R5TFTM, R5TFTMS, R5TFTW, R5TFTWS, R5TFTX, R5TFTXS, R5TFTY, R5TFTYS, R5TFTZ, R5TFTZS, R5VLC, R5VLCS, R5VLW, R5VLWS, R5VLX, R5VLXS, R5VLY, R5VLYS, R5VLZ, R5VLZS, R6, R6S, R6W, R6WS, R6AM, R6AMS, R6BLC, R6BLCS, R6LC, R6LCS, R6RC, R6RCS, R6TFTC, R6TFTCS, R6TFTF, R6TFTFS, R6TFTM, R6TFTMS, R6TFTW, R6TFTWS, R6TFTX, R6TFTXS, R6TFTY, R6TFTYS, R6TFTZ, R6TFTZS, R6VLC, R6VLCS, R6VLW, R6VLWS, R6VLX, R6VLXS, R6VLY, R6VLYS, R6VLZ, R6VLZS, ARW6, ARW6S.
3. Not available with P7 or P8.
4. Not available with R2S, R4S, R5S, R5W, R5WS, R5AM, R5AMS, R5BLC, R5BLCS, R5LC, R5LCS, R5RC, R5RCS, R5TFTC, R5TFTCS, R5TFTF, R5TFTFS, R5TFTM, R5TFTMS, R5TFTW, R5TFTWS, R5TFTX, R5TFTXS, R5TFTY, R5TFTYS, R5TFTZ, R5TFTZS, R5VLC, R5VLCS, R5VLW, R5VLWS, R5VLX, R5VLXS, R5VLY, R5VLYS, R5VLZ, R5VLZS, R6, R6S, R6W, R6WS, R6AM, R6AMS, R6BLC, R6BLCS, R6LC, R6LCS, R6RC, R6RCS, R6TFTC, R6TFTCS, R6TFTF, R6TFTFS, R6TFTM, R6TFTMS, R6TFTW, R6TFTWS, R6TFTX, R6TFTXS, R6TFTY, R6TFTYS, R6TFTZ, R6TFTZS, R6VLC, R6VLCS, R6VLW, R6VLWS, R6VLX, R6VLXS, R6VLY, R6VLYS, R6VLZ, R6VLZS, ARW6, ARW6S.
5. Not available with P7 or P8.
6. Not available with R2S, R4S, R5S, R5W, R5WS, R5AM, R5AMS, R5BLC, R5BLCS, R5LC, R5LCS, R5RC, R5RCS, R5TFTC, R5TFTCS, R5TFTF, R5TFTFS, R5TFTM, R5TFTMS, R5TFTW, R5TFTWS, R5TFTX, R5TFTXS, R5TFTY, R5TFTYS, R5TFTZ, R5TFTZS, R5VLC, R5VLCS, R5VLW, R5VLWS, R5VLX, R5VLXS, R5VLY, R5VLYS, R5VLZ, R5VLZS, R6, R6S, R6W, R6WS, R6AM, R6AMS, R6BLC, R6BLCS, R6LC, R6LCS, R6RC, R6RCS, R6TFTC, R6TFTCS, R6TFTF, R6TFTFS, R6TFTM, R6TFTMS, R6TFTW, R6TFTWS, R6TFTX, R6TFTXS, R6TFTY, R6TFTYS, R6TFTZ, R6TFTZS, R6VLC, R6VLCS, R6VLW, R6VLWS, R6VLX, R6VLXS, R6VLY, R6VLYS, R6VLZ, R6VLZS, ARW6, ARW6S.
7. Not available with R2S, R4S, R5S, R5W, R5WS, R5AM, R5AMS, R5BLC, R5BLCS, R5LC, R5LCS, R5RC, R5RCS, R5TFTC, R5TFTCS, R5TFTF, R5TFTFS, R5TFTM, R5TFTMS, R5TFTW, R5TFTWS, R5TFTX, R5TFTXS, R5TFTY, R5TFTYS, R5TFTZ, R5TFTZS, R5VLC, R5VLCS, R5VLW, R5VLWS, R5VLX, R5VLXS, R5VLY, R5VLYS, R5VLZ, R5VLZS, R6, R6S, R6W, R6WS, R6AM, R6AMS, R6BLC, R6BLCS, R6LC, R6LCS, R6RC, R6RCS, R6TFTC, R6TFTCS, R6TFTF, R6TFTFS, R6TFTM, R6TFTMS, R6TFTW, R6TFTWS, R6TFTX, R6TFTXS, R6TFTY, R6TFTYS, R6TFTZ, R6TFTZS, R6VLC, R6VLCS, R6VLW, R6VLWS, R6VLX, R6VLXS, R6VLY, R6VLYS, R6VLZ, R6VLZS, ARW6, ARW6S.
8. Not available with R2S, R4S, R5S, R5W, R5WS, R5AM, R5AMS, R5BLC, R5BLCS, R5LC, R5LCS, R5RC, R5RCS, R5TFTC, R5TFTCS, R5TFTF, R5TFTFS, R5TFTM, R5TFTMS, R5TFTW, R5TFTWS, R5TFTX, R5TFTXS, R5TFTY, R5TFTYS, R5TFTZ, R5TFTZS, R5VLC, R5VLCS, R5VLW, R5VLWS, R5VLX, R5VLXS, R5VLY, R5VLYS, R5VLZ, R5VLZS, R6, R6S, R6W, R6WS, R6AM, R6AMS, R6BLC, R6BLCS, R6LC, R6LCS, R6RC, R6RCS, R6TFTC, R6TFTCS, R6TFTF, R6TFTFS, R6TFTM, R6TFTMS, R6TFTW, R6TFTWS, R6TFTX, R6TFTXS, R6TFTY, R6TFTYS, R6TFTZ, R6TFTZS, R6VLC, R6VLCS, R6VLW, R6VLWS, R6VLX, R6VLXS, R6VLY, R6VLYS, R6VLZ, R6VLZS, ARW6, ARW6S.

Pole/Mounting Information

Accessories including finishes, cross arms and other adapters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Accessories.

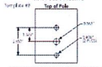
HANDHOLE ORIENTATION



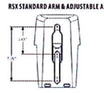
Handhole

RSX POLE DRILLING

Top of Pole



RSX STANDARD ARM & ADJUSTABLE ARM



Round Tenon Mount - Pole Top Slipfitters

Tenon O.D.	Mounting Code	Single	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
2-3/8"	SPA, RPA	AS4-190	AS4-290	AS4-2180	AS4-390	AS4-3120	AS4-490
2-7/8"	SPA, RPA	AS5-190	AS5-290	AS5-2180	AS5-390	AS5-3120	AS5-490
4"	SPA, RPA	AS7-190	AS7-290	AS7-2180	AS7-390	AS7-3120	AS7-490

Drill/Side Location by Configuration Type

Drill/Side Location	Configuration Type						
	Mount Location	Side S	Side S & E	Side S & W	Side S & E & W	Side S & E & N	Side S & E & W & N
P8	Drill Mount on Arm	Not Avail.	Not Avail.	Not Avail.	Not Avail.	Not Avail.	Not Avail.

RSX2 - Luminaire EPA

For slipfitter, luminaire and accessory mounting, see. Other tenons, arms, brackets or other accessories are not included in the EPA data.

Mounting Type	Tenon O.D.	Single	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
SPA - Square Pole Adapter	4"	0.69	1.22	1.22	1.8	1.61	2.29	1.37	2.06	2.74
RPA - Round Pole Adapter		0.74	1.27	1.27	1.9	1.71	2.49	1.42	2.16	2.84
RA - Root Arm Adapter		0.87	1.74	1.51	1.66	1.45	2.23	1.29	1.8	2.38
RSX2 - Luminaire with Integral Slipfitter (SLIPFITTER = Side/Side Arm Square Round Pole)	4"	0.69	1.22	1.22	1.8	1.61	2.29	1.37	2.06	2.74
	3"	0.55	1.06	1.06	1.58	1.39	1.98	1.19	1.78	2.37
	2½"	0.52	1.02	1.02	1.53	1.35	1.92	1.15	1.73	2.31
	2"	0.48	0.95	0.96	1.43	1.26	1.79	1.07	1.61	2.14
	4"	0.93	1.71	1.71	2.54	2.25	3.19	1.92	2.83	3.77
	3"	0.79	1.55	1.55	2.31	2.04	2.91	1.74	2.58	3.44
	2½"	0.72	1.47	1.47	2.19	1.94	2.76	1.65	2.45	3.27
	2"	0.64	1.33	1.34	2.01	1.78	2.53	1.51	2.24	2.99
	4"	1.17	2.19	2.19	3.27	2.89	4.11	2.47	3.65	4.86
	3"	1.03	2.03	2.03	3.04	2.68	3.83	2.28	3.4	4.52
	2½"	0.96	1.95	1.95	2.92	2.58	3.68	2.19	3.27	4.35
	2"	0.88	1.81	1.82	2.73	2.41	3.45	2.05	3.05	4.06
	4"	1.41	2.67	2.67	3.99	3.53	5.02	3.01	4.45	5.93
	3"	1.27	2.51	2.51	3.76	3.32	4.74	2.82	4.2	5.59
	2½"	1.2	2.43	2.43	3.64	3.22	4.59	2.73	4.07	5.42
	2"	1.12	2.29	2.3	3.45	3.05	4.36	2.59	3.86	5.13

Declare.

Page 4 of 5

TLC ENGINEERING SOLUTIONS
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Deerfield Beach, FL 33441
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COA 15
www.tlc-engineers.com
TLC No.: 122926
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HKS

OWNER
MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL. 33021

ARCHITECT
HKS ARCHITECTS, INC.
2020 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL 33134

INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201

MEP ENGINEER
TLC ENGINEERING SOLUTIONS
255 S. ORANGE AVE, STE 1600
ORLANDO, FL 32801

LOW VOLTAGE
SMITH SECKMAN REID, INC.
2995 SIDCO DRIVE,
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3300 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410

Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

Dennis O. Davis, P.E.
Florida License #58588

This item has been digitally signed and sealed by Dennis O. Davis, PE. on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

DENNIS O. DAVIS LICENSE No 58588 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISION NO. | DESCRIPTION | DATE

HKS PROJECT NUMBER
25566.000

DATE
04/14/23

ISSUE
SITE SUBMISSION

SHEET TITLE
SITE LIGHTING CUTSHEETS

SHEET NO.
E1.04S

PLOT DATE: 10/1/2024 11:26:47 AM TEMPLATE VERSION 22.0.2

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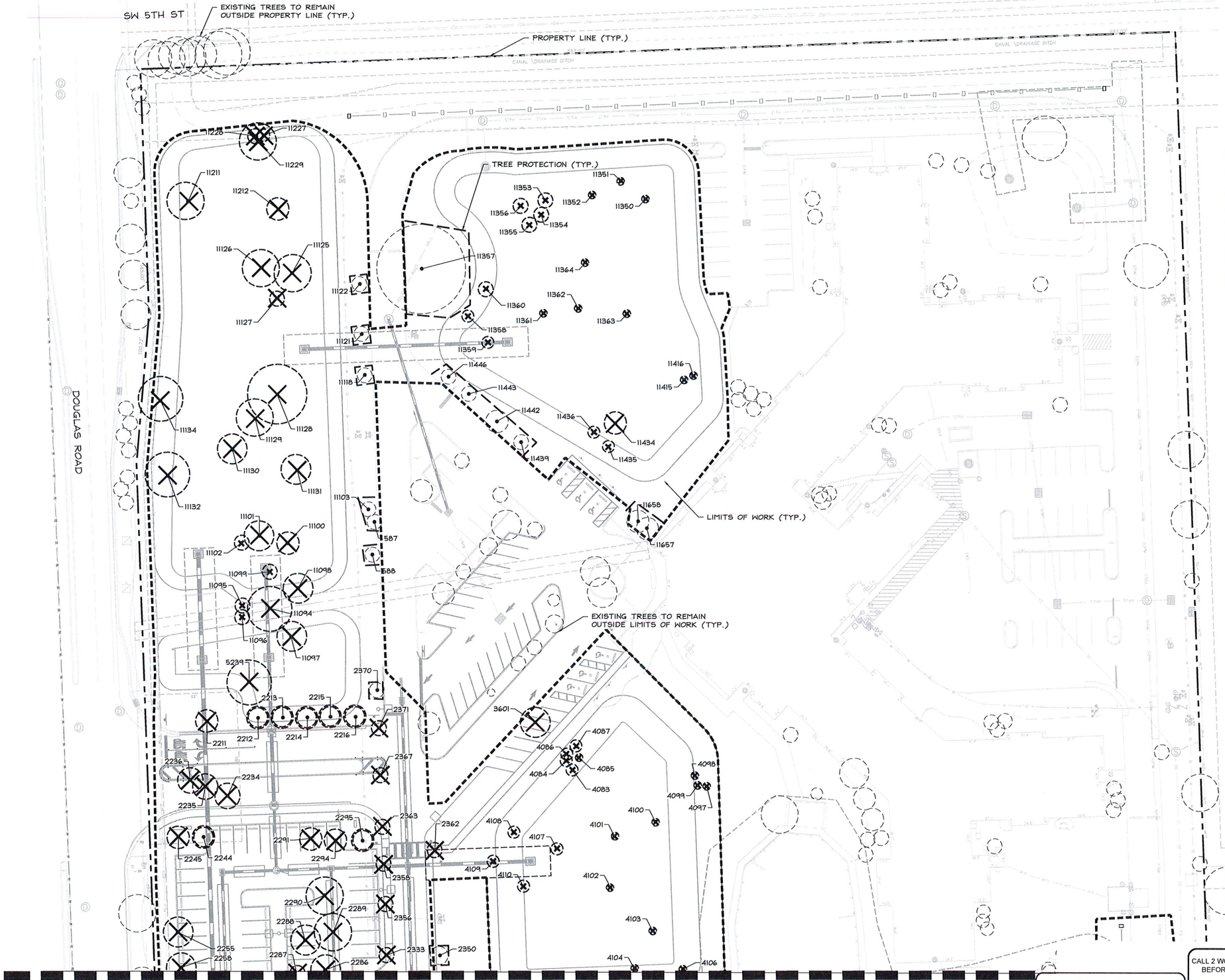

MATCHLINE: SEE SHEET L1.01

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

KEY:

- TREE TO REMAIN
- TREE TO BE REMOVED
- TREE TO BE RELOCATED
- TREE TO BE PROTECTED PER DETAIL ON SHEET L1.02

PLANS ARE IN NAVD88 DATUM CONVERSION EQUATION IS BELOW: (NGVD 1929) – 1.594' = (NAVD 1988)

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR DEWATERING AND OBTAINING ALL NECESSARY PERMITS.

CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW!
DIAL 811
811 Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

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HKS

OWNER
MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL 33021

ARCHITECT
HKS ARCHITECTS, INC.
2020 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL 33134

INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201

MEP ENGINEER
TLC ENGINEERING SOLUTIONS
255 S. ORANGE AVE, STE 1600
ORLANDO, FL 32801

LOW VOLTAGE
SMITH SECKMAN REID, INC.
2995 SIDCO DRIVE,
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3300 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410
REGISTRY No. 35106

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

CON NO.: 111AAA
KEY PLAN

REVISION

NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
TREE DISPOSITION PLAN
SHEET NO.
L1.00
DOB FILE # _____ DOB PAGE # _____

Plotted By: Stokes, Bridget Sheet Set: MEMORIAL MANOR FSED Layout: L1.00 TREE DISPOSITION PLAN January 24, 2024 01:13:30pm K:\wpb_devservices\144767019 – memorial manor fsed\CADD\plansheets\L1.00 TREE DISPOSITION PLAN.dwg
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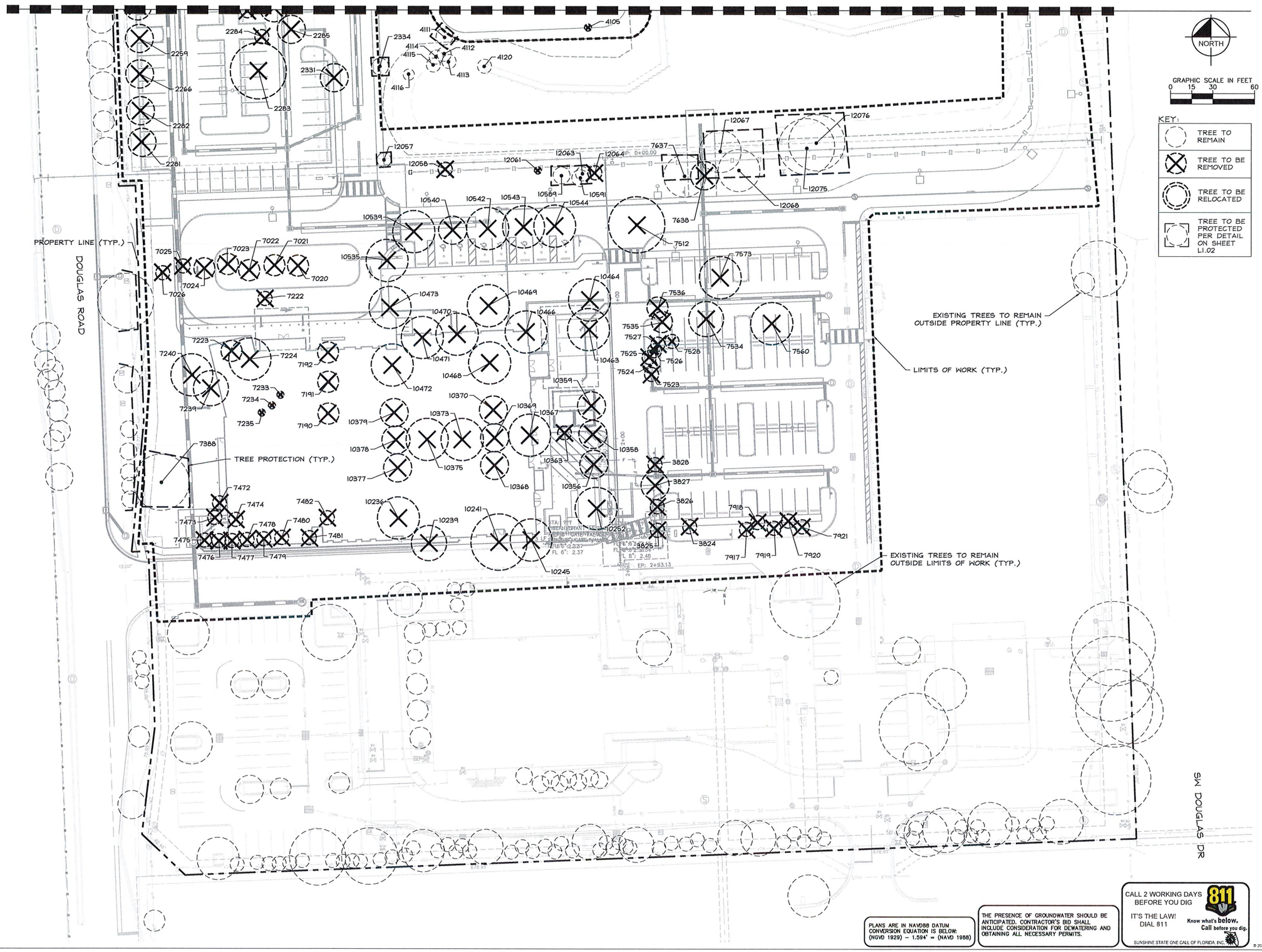

PLANS ARE IN NAVD88 DATUM CONVERSION EQUATION IS BELOW: (NGVD 1929) – 1.594' = (NAVD 1988)

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR DEWATERING AND OBTAINING ALL NECESSARY PERMITS.

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HOLLYWOOD, FL 33021

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HKS ARCHITECTS, INC.
2020 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL 33134

INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201

MEP ENGINEER
TLC ENGINEERING SOLUTIONS
255 S. ORANGE AVE. STE 1600
ORLANDO, FL 32801

LOW VOLTAGE
SMITH SECKMAN REID, INC.
2995 SIDCO DRIVE,
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
3300 HIGHLANDS PKWY SE, SUITE 295
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410
REGISTRY No. 35106

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

CON NO.: 111AAA
KEY PLAN

REVISION

NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
TREE DISPOSITION PLAN
SHEET NO.
L1.01

DOB FILE # _____ DOB PAGE # _____

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TREE #	COMMON NAME	DBH (IN)	SPREAD (FT)	CANOPY (SF)	CONDITION	DISPOSITION
587	CABBAGE PALM	12	10	N/A	GOOD	REMAIN
588	QUEEN PALM	8	10	N/A	GOOD	REMAIN
2211	ROYAL PALM	12	15	N/A	FAIR	REMOVE
2212	ROYAL PALM	14	15	N/A	GOOD	RELOCATE
2213	ROYAL PALM	14	15	N/A	GOOD	RELOCATE
2214	ROYAL PALM	14	15	N/A	GOOD	RELOCATE
2215	ROYAL PALM	14	15	N/A	GOOD	RELOCATE
2216	ROYAL PALM	14	15	N/A	GOOD	RELOCATE
2234	ROYAL PALM	14	15	N/A	FAIR	REMOVE
2235	ROYAL PALM	14	15	N/A	FAIR	REMOVE
2236	ROYAL PALM	14	15	N/A	FAIR	REMOVE
2244	ROYAL PALM	16	15	N/A	GOOD	RELOCATE
2245	ROYAL PALM	16	15	N/A	FAIR	REMOVE
2255	SILVER BUTTONWOOD	24	20	315	FAIR	REMOVE
2258	SILVER BUTTONWOOD	24	20	315	FAIR	REMOVE
2259	SILVER BUTTONWOOD	24	20	315	FAIR	REMOVE
2266	SILVER BUTTONWOOD	24	20	315	FAIR	REMOVE
2281	SILVER BUTTONWOOD	24	20	315	FAIR	REMOVE
2282	SILVER BUTTONWOOD	24	20	315	FAIR	REMOVE
2283	SILVER BUTTONWOOD	72	40	1250	FAIR	REMOVE
2284	SILVER BUTTONWOOD	10	10	79	FAIR	REMOVE
2285	SILVER BUTTONWOOD	72	20	315	FAIR, LEANING	REMOVE
2286	SILVER BUTTONWOOD	36	20	315	FAIR	REMOVE
2287	SILVER BUTTONWOOD	36	10	80	FAIR	REMOVE
2288	SILVER BUTTONWOOD	14	20	314	FAIR	REMOVE
2289	SILVER BUTTONWOOD	36	25	490	FAIR	REMOVE
2290	SILVER BUTTONWOOD	36	25	490	FAIR	REMOVE
2291	ROYAL PALM	14	15	N/A	FAIR	REMOVE
2294	ROYAL PALM	14	15	N/A	FAIR	REMOVE
2295	ROYAL PALM	14	15	N/A	GOOD	RELOCATE
2331	QUEEN PALM	8	10	N/A	FAIR	REMOVE
2333	QUEEN PALM	8	10	N/A	FAIR	REMOVE
2334	QUEEN PALM	8	12	N/A	GOOD	REMAIN
2350	QUEEN PALM	10	12	N/A	FAIR	REMAIN
2356	QUEEN PALM	10	10	N/A	FAIR	REMOVE
2358	QUEEN PALM	10	10	N/A	FAIR	REMOVE
2362	QUEEN PALM	10	15	N/A	FAIR	REMOVE
2363	QUEEN PALM	12	10	N/A	FAIR	REMOVE
2367	QUEEN PALM	12	10	N/A	FAIR	REMOVE
2370	QUEEN PALM	12	10	N/A	GOOD	REMAIN
2371	QUEEN PALM	8	10	N/A	FAIR	REMOVE
3601	GUMBO LIMBO	14	20	314	FAIR	REMOVE
3824	CABBAGE PALM	12	10	N/A	FAIR	REMOVE
3825	CABBAGE PALM	12	10	N/A	FAIR	REMOVE
3826	CABBAGE PALM	12	10	N/A	FAIR	REMOVE
3827	CABBAGE PALM	12	20	N/A	FAIR	REMOVE
3828	CABBAGE PALM	12	10	N/A	FAIR	REMOVE
4083	CABBAGE PALM	10	8	N/A	FAIR	REMOVE
4084	CABBAGE PALM	10	8	N/A	FAIR	REMOVE
4085	CABBAGE PALM	10	5	N/A	FAIR	REMOVE
4086	CABBAGE PALM	10	8	N/A	FAIR	REMOVE
4087	CABBAGE PALM	10	8	N/A	FAIR	REMOVE
4097	CABBAGE PALM	6	5	N/A	FAIR	REMOVE
4098	CABBAGE PALM	6	5	N/A	FAIR	REMOVE
4099	CABBAGE PALM	6	5	N/A	FAIR	REMOVE
4100	CABBAGE PALM	10	5	N/A	FAIR	REMOVE
4101	CABBAGE PALM	10	5	N/A	FAIR	REMOVE
4102	CABBAGE PALM	10	5	N/A	FAIR	REMOVE
4103	CABBAGE PALM	10	5	N/A	FAIR	REMOVE
4104	CABBAGE PALM	10	5	N/A	FAIR	REMOVE
4105	CABBAGE PALM	10	5	N/A	FAIR	REMOVE
4106	CABBAGE PALM	10	5	N/A	FAIR	REMOVE
4107	CABBAGE PALM	10	8	N/A	FAIR	REMOVE
4108	CABBAGE PALM	10	8	N/A	FAIR	REMOVE
4109	CABBAGE PALM	10	8	N/A	FAIR	REMOVE
4110	CABBAGE PALM	10	8	N/A	FAIR	REMOVE
4111	QUEEN PALM	12	12	N/A	GOOD	REMAIN
4112	CABBAGE PALM	12	8	N/A	GOOD	REMAIN
4113	CABBAGE PALM	12	8	N/A	FAIR	REMAIN
4114	CABBAGE PALM	12	8	N/A	FAIR	REMAIN
4115	CABBAGE PALM	12	8	N/A	POOR	REMAIN
4116	CABBAGE PALM	12	8	N/A	POOR	REMAIN
5239	LIVE OAK	13	30	707	FAIR	REMOVE
7020	BALD CYPRESS	24	15	175	FAIR	REMOVE
7021	BALD CYPRESS	16	15	177	FAIR	REMOVE
7022	BALD CYPRESS	12	15	177	FAIR	REMOVE
7023	BALD CYPRESS	12	15	177	FAIR	REMOVE
7024	BALD CYPRESS	18	15	175	FAIR	REMOVE
7025	BALD CYPRESS	6	10	79	FAIR	REMOVE
7026	BALD CYPRESS	9	10	79	FAIR	REMOVE
7190	MAPLE	8	15	177	FAIR	REMOVE
7191	MAPLE	8	15	177	FAIR	REMOVE
7192	MAPLE	8	15	177	FAIR	REMOVE
7222	MAPLE	8	10	79	POOR	REMOVE
7223	MAPLE	8	15	177	FAIR	REMOVE
7224	MAHOGANY	8	30	707	FAIR	REMOVE
7233	BALD CYPRESS	4	5	20	POOR	REMOVE
7234	BALD CYPRESS	4	5	20	POOR	REMOVE
7235	BALD CYPRESS	4	5	20	POOR	REMOVE
7239	MAHOGANY	24	25	490	FAIR	REMOVE
7240	MAHOGANY	24	30	706	FAIR	REMOVE
7388	MAHOGANY	24	40	N/A	FAIR	REMAIN
7472	BALD CYPRESS	6	10	79	FAIR	REMOVE
7473	BALD CYPRESS	5	10	79	FAIR	REMOVE
7474	BALD CYPRESS	4	10	79	FAIR	REMOVE
7475	BALD CYPRESS	4	10	79	FAIR	REMOVE
7476	BALD CYPRESS	8	10	79	FAIR	REMOVE
7477	BALD CYPRESS	4	10	79	FAIR	REMOVE
7478	BALD CYPRESS	8	10	79	FAIR	REMOVE
7479	BALD CYPRESS	6	10	79	FAIR	REMOVE
7480	BALD CYPRESS	6	10	79	FAIR	REMOVE
7481	BALD CYPRESS	8	10	79	FAIR	REMOVE
7482	MAPLE	10	10	79	FAIR	REMOVE
7512	MAHOGANY	36	40	1256	FAIR	REMOVE
7523	CABBAGE PALM	12	10	N/A	FAIR	REMOVE
7524	DATE PALM	2,5,5	10	N/A	FAIR	REMOVE
7525	CABBAGE PALM	10	10	N/A	FAIR	REMOVE
7526	DATE PALM	5,5,5	10	N/A	FAIR	REMOVE

TREE #	COMMON NAME	DBH (IN)	SPREAD (FT)	CANOPY (SF)	CONDITION	DISPOSITION
7527	CABBAGE PALM	12	10	N/A	FAIR	REMOVE
7528	DATE PALM	6,6,4	10	N/A	FAIR	REMOVE
7534	LIVE OAK	16	25	491	FAIR	REMOVE
7535	LYSILOMA SABICU	18	15	176	FAIR	REMOVE
7536	LYSILOMA SABICU	24	15	176	FAIR	REMOVE
7560	LIVE OAK	24	30	707	FAIR	REMOVE
7573	LIVE OAK	12	30	707	FAIR	REMOVE
7637	LIVE OAK	24	30	N/A	FAIR	REMAIN
7638	LIVE OAK	18	20	315	FAIR	REMOVE
7917	CABBAGE PALM	12	10	N/A	FAIR	REMOVE
7918	DATE PALM	6,6	10	N/A	FAIR	REMOVE
7919	CABBAGE PALM	12	10	N/A	FAIR	REMOVE
7920	DATE PALM	6,6,6	10	N/A	FAIR	REMOVE
7921	CABBAGE PALM	12	10	N/A	FAIR	REMOVE
10236	LIVE OAK	16	30	707	FAIR	REMOVE
10239	LIVE OAK	14	30	707	FAIR	REMOVE
10241	LIVE OAK	24	40	1256	FAIR	REMOVE
10245	LIVE OAK	14	30	707	FAIR	REMOVE
10252	LIVE OAK	14	30	707	FAIR	REMOVE
10356	LIVE OAK	16	20	314	FAIR	REMOVE
10358	LIVE OAK	18	20	314	FAIR	REMOVE
10359	LIVE OAK	14	20	314	FAIR	REMOVE
10363	LIVE OAK	16	20	314	FAIR	REMOVE
10367	LIVE OAK	14	30	707	FAIR	REMOVE
10368	LIVE OAK	12	20	314	FAIR	REMOVE
10369	LIVE OAK	14	20	314	FAIR	REMOVE
10370	LIVE OAK	20	20	314	FAIR	REMOVE
10373	LIVE OAK	24	30	707	FAIR	REMOVE
10375	LIVE OAK	20	30	707	FAIR	REMOVE
10377	LIVE OAK	24	20	707	FAIR	REMOVE
10378	LIVE OAK	8	20	314	FAIR	REMOVE
10379	LIVE OAK	14	20	314	FAIR	REMOVE
10463	LIVE OAK	26	30	707	FAIR	REMOVE
10464	LIVE OAK	12	30	707	FAIR	REMOVE
10466	LIVE OAK	14	30	707	FAIR	REMOVE
10468	LIVE OAK	20	30	707	FAIR	REMOVE
10469	LIVE OAK	20	30	707	FAIR	REMOVE
10470	LIVE OAK	14	30	707	FAIR	REMOVE
10471	LIVE OAK	16	30	707	FAIR	REMOVE
10472	LIVE OAK	16	30	707	FAIR	REMOVE
10473	LIVE OAK	14	30	707	FAIR	REMOVE
10535	LIVE OAK	24	30	707	FAIR	REMOVE
10539	LIVE OAK	18	30	707	FAIR	REMOVE
10540	LIVE OAK	10	20	314	FAIR	REMOVE
10542	LIVE OAK	24	30	707	FAIR	REMOVE
10543	LIVE OAK	18	30	707	FAIR	REMOVE
10544	LIVE OAK	18	30	707	FAIR	REMOVE
10589	CABBAGE PALM	18	10	N/A	GOOD	REMAIN
10591	CABBAGE PALM	12	10	N/A	GOOD	REMAIN
11094	SILVER BUTTONWOOD	8,8,8	30	707	FAIR	REMOVE
11095	SILVER BUTTONWOOD	8,8,8	10	79	POOR	REMOVE
11096	SILVER BUTTONWOOD	4,4	10	79	POOR	REMOVE
11097	SILVER BUTTONWOOD	4,6,6	20	314	FAIR	REMOVE
11098	SILVER BUTTONWOOD	10,14	20	314	FAIR	REMOVE
11099	SILVER BUTTONWOOD	6	10	79	POOR	REMOVE
11100	SILVER BUTTONWOOD	12,8	15	176	FAIR	REMOVE
11101	SILVER BUTTONWOOD	24	20	314	POOR	REMOVE
11102	SILVER BUTTONWOOD	4,4	10	79	POOR	REMOVE
11103	QUEEN PALM	12	10	N/A	GOOD	REMAIN
11118	QUEEN PALM	10	10	N/A	GOOD	REMAIN
11121	QUEEN PALM	8	10	N/A	GOOD	REMAIN
11122	QUEEN PALM	12	10	N/A	GOOD	REMAIN
11125	SILVER BUTTONWOOD	12,12	25	491	FAIR	REMOVE
11126	SILVER BUTTONWOOD	12,12	25	491	FAIR	REMOVE
11127	SILVER BUTTONWOOD	12,10	10	79	FAIR	REMOVE
11128	SILVER BUTTONWOOD	24	40	1256	FAIR	REMOVE
11129	SILVER BUTTONWOOD	12	25	491	FAIR	REMOVE
11130	SILVER BUTTONWOOD	12	20	314	FAIR	REMOVE
11131	LIVE OAK	12	20	314	FAIR	REMOVE
11132	SILVER BUTTONWOOD	18	30	707	FAIR	REMOVE
11134	SILVER BUTTONWOOD	24	30	707	FAIR	REMOVE
11211	SILVER BUTTONWOOD	12,12	25	491	FAIR	REMOVE
11212	SILVER BUTTONWOOD	12,12	15	176	FAIR	REMOVE
11227	CABBAGE PALM	14	10	N/A	FAIR	REMOVE
11228	CABBAGE PALM	14	10	N/A	FAIR	REMOVE
11229	SEAGRAPE	24	25	491	FAIR	REMOVE
11350	CABBAGE PALM	8	5	N/A	FAIR	REMOVE
11351	CABBAGE PALM	8	5	N/A	FAIR	REMOVE
11352	CABBAGE PALM	8	5	N/A	FAIR	REMOVE
11353	QUEEN PALM	10	12	N/A	FAIR	REMOVE
11354	CABBAGE PALM	10	8	N/A	FAIR	REMOVE
11355	CABBAGE PALM	12	10	N/A	FAIR	REMOVE
11356	QUEEN PALM	12	10	N/A	FAIR	REMOVE
11357	FICUS	48	60	N/A	GOOD	REMAIN
11358	CABBAGE PALM	10	8	N/A	FAIR	REMOVE
11359	CABBAGE PALM	10	8	N/A	FAIR	REMOVE
11360	CABBAGE PALM	8	8	N/A	FAIR	REMOVE
11361	CABBAGE PALM	10	5	N/A	FAIR	REMOVE
11362	CABBAGE PALM	10	5	N/A	FAIR	REMOVE
11363	CABBAGE PALM	10	5	N/A	FAIR	REMOVE
11364	CABBAGE PALM	10	5	N/A	FAIR	REMOVE
11415	PALM	4	5	N/A	FAIR	REMOVE
11416	PALM	4	5	N/A	FAIR	REMOVE
11434	QUEEN PALM	10	15	N/A	FAIR	REMOVE
11435	CABBAGE PALM	10	8	N/A	FAIR	REMOVE
11436	CABBAGE PALM	10	8	N/A	FAIR	REMOVE
11439	GUMBO LIMBO	12	10	N/A	GOOD	REMAIN
11442	GUMBO LIMBO	12	15	N/A	GOOD	REMAIN
11443	GUMBO LIMBO	12	10	N/A	GOOD	REMAIN
11446	GUMBO LIMBO	12	10	N/A	FAIR	REMAIN
11657	PALM	4,4,4	15	N/A	GOOD	REMAIN
11658	PALM	4,4,4	15	N/A	GOOD	REMAIN
12057	GUMBO LIMBO	10	10	N/A	POOR	REMAIN
12058	GUMBO LIMBO	8	10	75	POOR	REMOVE
12061	GUMBO LIMBO	4	5	20	POOR	REMOVE
12063	CABBAGE PALM	16	10	N/A	GOOD	REMAIN
12064	CABBAGE PALM	18	10	N/A	FAIR	REMOVE

TREE #	COMMON NAME	DBH (IN)	SPREAD (FT)	CANOPY (SF)	CONDITION	DISPOSITION
12067	LIVE OAK	24	30	N/A	GOOD	REMAIN
12068	LIVE OAK	24	30	N/A	GOOD	REMAIN
12075	LIVE OAK	24	40	N/A	GOOD	REMAIN
12076	LIVE OAK	24	40	N/A	GOOD	REMAIN

TREE MITIGATION SUMMARY

TOTAL PALMS PROTECTED	20
TOTAL PALMS RELOCATED:	7
TOTAL PALMS REMOVED:	72
TOTAL PALMS PROVIDED:	32
TOTAL TREES PROTECTED:	13
TOTAL TREES RELOCATED:	0
TOTAL TREES REMOVED:	108
TOTAL TREES PROVIDED:	200

TREE MITIGATION CALCULATIONS

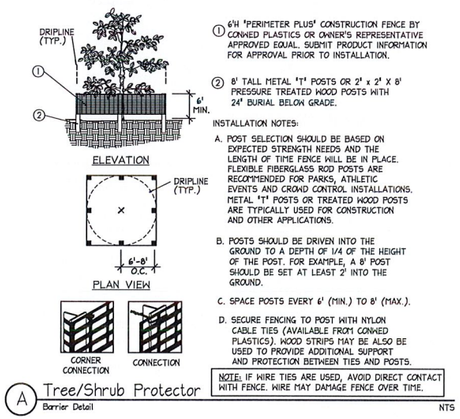
TOTAL CANOPY (SF) REMOVED:	42,897 SF
TOTAL CANOPY TO BE REPLACED (42,897 SF X 1.5):	64,346 SF
TOTAL CANOPY PROVIDED:	43,050 SF
TOTAL DEFICIT:	21,296 SF

ROOT PRUNING

1. THE LANDSCAPE ARCHITECT HAS OBSERVED TREES THAT COULD BE IMPACTED BY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
2. IF CONSTRUCTION ACTIVITIES OCCUR WITHIN THE DRIPLINE (OR THE HORIZONTAL EXTENT OF THE CANOPY) OF A TREE, THEN THAT TREE IS A CANDIDATE FOR ROOT PRUNING.
3. ROOT PRUNING MUST OCCUR PRIOR TO TRENCHING OPERATIONS TO INSURE THAT THE ROOTS ARE CUT CLEAN AND AT PROPER ANGLES AND NOT MECHANICALLY RIPPED FROM THE EARTH DURING CONSTRUCTION.
4. FOR TREES REQUIRING ROOT PRUNING, A TREE ASSESSMENT SHALL BE CONDUCTED AND A ROOT-PRUNING PLAN SHALL BE DEVELOPED BY A CERTIFIED ARBORIST OR CONSULTING ARBORIST. THIS PLAN SHOULD IDENTIFY:
   - MAXIMUM ALLOWABLE SIZE OF ROOTS TO BE CUT
   - ALLOWABLE PROXIMITY TO THE TRUNK FOR CUTS
   - TIME OF YEAR WHEN ROOT CUTTING IS ALLOWABLE (NOTE: IN FLORIDA, IT IS BEST TO AVOID ROOT PRUNING DURING TIMES OF THE MAY THROUGH SEPTEMBER, WHEN THE POTENTIAL FOR DAMAGING WIND LOADS ON TREES ARE GREATEST.)
   - METHOD FOR MAKING CUTS
   - MITIGATING CANOPY PRUNING
   - TYPE AND EXTENT OF NECESSARY STRUCTURAL SUPPORT
   - SCHEDULE FOR WATERING/FERTILIZATION AFTER PRUNING
5. IMPLEMENT THE ROOT PRUNING PLAN PER THE ARBORIST'S RECOMMENDATION.

EXISTING TREE - PRUNING NOTES:

1. TREE PRUNING WORK MUST BE PERFORMED BY OR DIRECTLY SUPERVISED BY AN ISA CERTIFIED ARBORIST.
2. CONTRACTOR SHALL HOLD A PRE-PRUNING CONFERENCE WITH THE OWNER AND LANDSCAPE ARCHITECT PRIOR TO COMMENCING PRUNING OPERATIONS.
3. PRUNE TREES PER ANSI A300 FOR THE FOLLOWING:
   - 3.1. MAINTENANCE - TO MAINTAIN OR IMPROVE THE TREE'S HEALTH AND STRUCTURE
   - 3.2. HAZARD REDUCTION - TO REMOVE DEAD LIMBS OR OTHER VISIBLE HAZARDS FROM THE TREE CANOPY
   - 3.3. CROWN CLEANING - TO SELECTIVELY REMOVE DEAD, DYING OR DISEASED BRANCHES, WEAK BRANCHES, AND SUCKER SPROUTS.
   - 3.4. CROWN RAISING - TO REMOVE LOWER BRANCHES TO PROVIDE VERTICAL CLEARANCE
   - 3.5. VISTA PRUNING - TO SELECTIVELY THIN FRAMEWORK LIMBS WITHIN THE CROWN TO ALLOW FOR VIEWS THROUGH THE TREE
   - 3.6. CROWN RESTORATION - TO IMPROVE THE STRUCTURE, FORM, AND APPEARANCE OF A TREE THAT HAS BEEN DAMAGED, HEADED, OR VANDALIZED
4. CONTRACTOR MUST HOLD A CLASS A OR B TREE TRIMMER LICENSE FROM BROWARD COUNTY TO PERFORM THE WORK.



1. 6'H 'PERIMETER PLUS' CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 8' TALL METAL 'T' POSTS OR 2" x 2" X 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:

A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL 'T' POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.

B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/4 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 8' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.

C. SPACE POSTS EVERY 6' (MIN.) TO 8' (MAX.).

D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

A Tree/Shrub Protector Barrier Detail — NTS

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2995 SIDCO DRIVE,
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MEDICAL EQUIPMENT
SMITH SECKMAN REID, INC.
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CIVIL/LANDSCAPE ENGINEER
KIMLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410
REGISTRY No. 35109

Memorial Healthcare System
HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

CON NO.: 111AAA
KEY PLAN

REVISION

NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
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DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
TREE DISPOSITION PLAN
SHEET NO.
L1.02
DOB FILE # _____ DOB PAGE # _____

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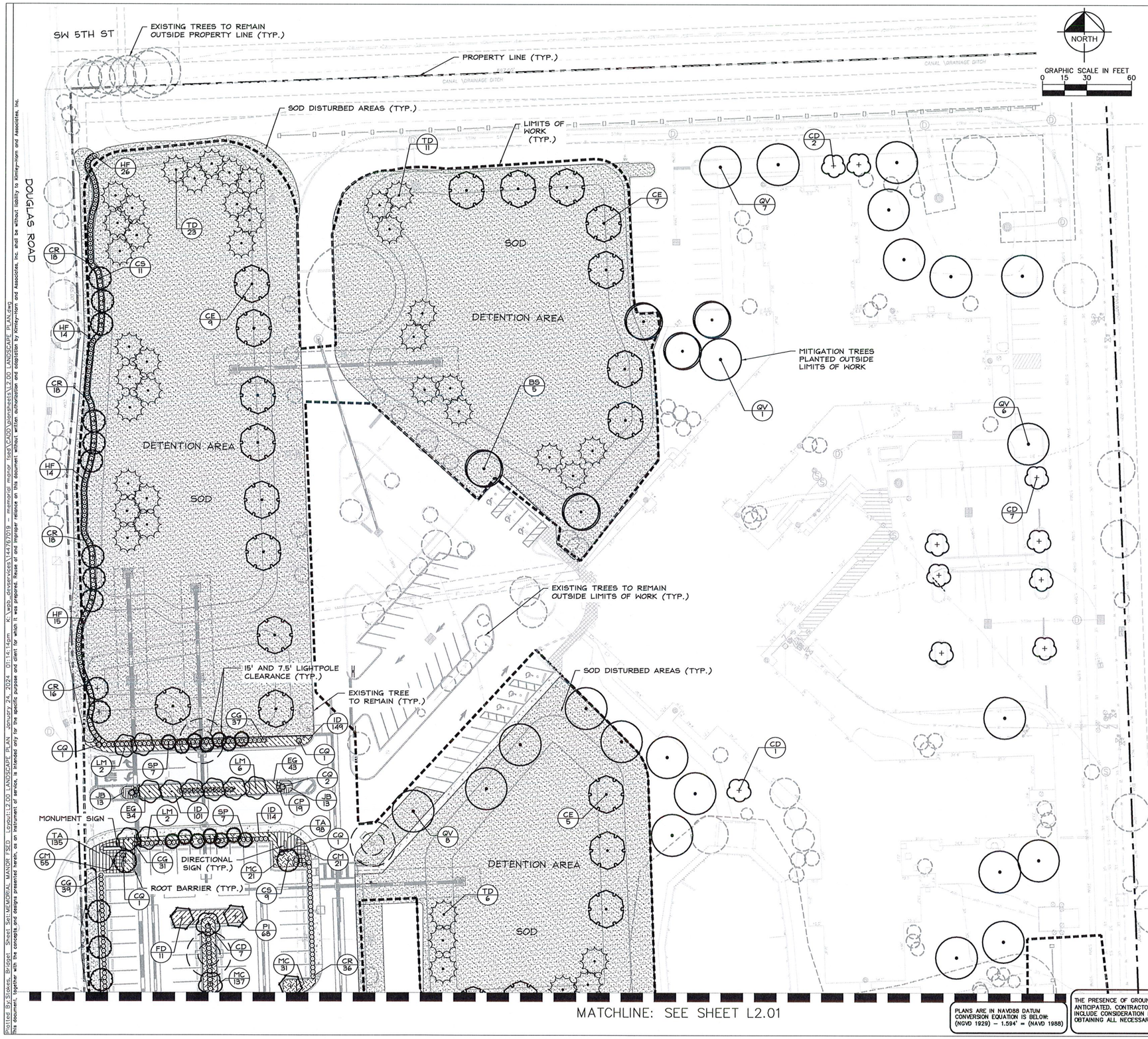

PLANT SCHEDULE

SYMBOL	CODE	COMMON NAME
TREES		
	BS	Gumbo Limbo
	CD	Pigeon Plum
	CE	Green Buttonwood
	CO	Satinleaf
	CS	Silver Buttonwood
	FD	Japanese Fern Tree
	LM	Muskogee Crape Myrtle
	QV	Southern Live Oak
	TD	Bald Cypress
	TH	Pink Tabebuia
PALM TREES		
	PE	Solitaire Palm
	RR	Royal Palm
	SP	Cabbage Palm
SHRUBS		
	CG	Small Leaf Clusia
	CP	Petra Croton
	CQ	Queen Emma Crinum Lily
	CR	Red Tip Coco Plum
	HF	Firebush
SHRUB AREAS		
	AE	Cast Iron Plant
	DE	Gold Mound Dewdrops
	FG	Green Island Ficus
	ID	Schillings Dwarf Yaupon Holly
	JJ	Wax Jasmine
	MC	Pink Muhly Grass
	PI	Imperial Blue Plumbago
	TN	Dwarf Fakahatchee Grass
GROUND COVERS		
	CM	Emerald Blanket Natal Plum
	EG	Brazilian Dwarf Morning Glory
	JB	Blue Pacific Shore Juniper
	LU	Emerald Goddess Lily Turf
	SOD	Floratam St. Augustine Grass
	TA	Asiatic Jasmine

SEE SHEET L2.02 FOR FULL PLANT SCHEDULE

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THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR DEWATERING AND OBTAINING ALL NECESSARY PERMITS.

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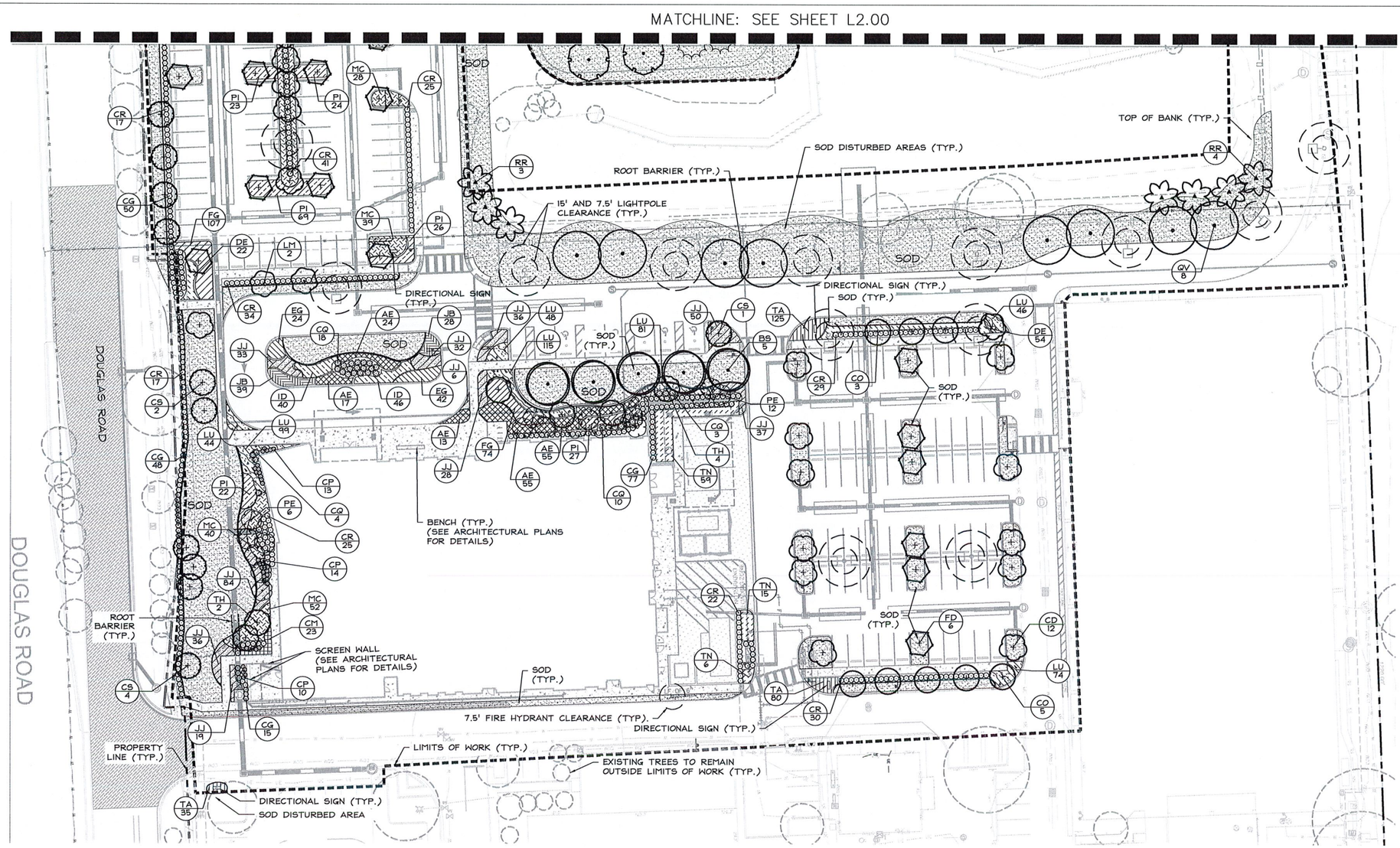

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	PE	Solitaire Palm
	RR	Royal Palm
	SP	Cabbage Palm
SHRUBS		
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	CQ	Queen Emma Crinum Lily
	CR	Red Tip Coco Plum
	HF	Firebush

SHRUB AREAS		
	AE	Cast Iron Plant
	DE	Gold Mound Dewdrops
	FG	Green Island Ficus
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	EG	Brazilian Dwarf Morning Glory
	JB	Blue Pacific Shore Juniper
	LU	Emerald Goddess Lily Turf
	SOD	Floratam St. Augustine Grass
	TA	Asiatic Jasmine

SEE SHEET L2.02 FOR FULL PLANT SCHEDULE

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PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	QTY
TREES								
	BS	Bursera simaruba	Gumbo Limbo	Cont.	3" DBH	14' HT X 6' SPR		10
	CD	Coccoloba diversifolia	Pigeon Plum	Cont.	2" DBH	12' HT x 6' SPR		29
	CE	Conocarpus erectus	Green Buttonwood	Cont.	3" DBH	12' HT x 6' SPR		21
	CO	Chrysophyllum oliviforme	Satinleaf	Cont.	2" DBH	12' HT x 6' SPR		8
	CS	Conocarpus erectus sericeus	Silver Buttonwood	Cont.	2" DBH	12' HT x 6' SPR		27
	FD	Filicium decipiens	Japanese Fern Tree	Cont.	2" Cal.	12' HT x 6' SPR		17
	LM	Lagerstroemia indica x fauriei 'Muskogee'	Muskogee Crape Myrtle	Cont.	2" DBH	12' HT x 6' SPR		12
	QV	Quercus virginiana	Southern Live Oak	Cont.	3" DBH	14' HT X 6' SPR		30
	TD	Taxodium distichum	Bald Cypress	Cont.	3" DBH	14' HT X 4' SPR		40
	TH	Tabebuia heterophylla	Pink Tabebuia	Cont.	2" DBH	12' HT x 5' SPR		6
PALM TREES								
	PE	Ptychosperma elegans 12'-16' CT, Stagger Heights in Groupings	Solitaire Palm	F.G.		Varies		18
	RR	Roystonea regia	Royal Palm	Relocated				7
	SP	Sabal palmetto Stagger Heights in Groupings	Cabbage Palm	F.G.		10' CT		14

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	CONT	O.C.	SIZE	NATIVE	QTY
SHRUBS								
	CG	Clusia guttifera	Small Leaf Clusia	Cont.	36" O.C.	24" HT	No	297
	CP	Codiaeum variegatum 'Petra'	Petra Croton	Cont.	30" O.C.	18" HT	No	56
	CQ	Crinum augustum 'Queen Emma'	Queen Emma Crinum Lily	Cont.	As Shown	36"x36"	No	41
	CR	Chrysobalanus icaco 'Red Tip'	Red Tip Coco Plum	Cont.	36" O.C.	24"x24"	Yes	346
	HF	Hamelia patens	Firebush	Cont.	36" O.C.	24"x24"	Yes	69
SHRUB AREAS								
	AE	Aspidistra elatior	Cast Iron Plant	Cont.	30" O.C.	18" HT	No	164
	DE	Duranta erecta 'Gold Mound'	Gold Mound Dewdrops	Cont.	30" O.C.	18" x 18"	Yes	76
	FG	Ficus microcarpa 'Green Island'	Green Island Ficus	Cont.	24" O.C.	18"x18"	No	181
	ID	Ilex vomitoria 'Schillings Dwarf'	Schillings Dwarf Yaupon Holly	Cont.	24" O.C.	15"x15"	Yes	450
	JJ	Jasminum volubile	Wax Jasmine	Cont.	24" O.C.	15"x15"	No	361
	MC	Muhlenbergia capillaris	Pink Muhly Grass	Cont.	30" O.C.	24" HT	Yes	348
	PI	Plumbago auriculata 'Imperial Blue'	Imperial Blue Plumbago	Cont.	30" O.C.	18" x 18"	No	259
	TN	Tripsacum dactyloides nana	Dwarf Fakahatchee Grass	Cont.	36" O.C.	24" HT	Yes	80
GROUND COVERS								
	CM	Carissa macrocarpa 'Emerald Blanket'	Emerald Blanket Natal Plum	Cont.	18" O.C.	15"x15"	No	99
	EG	Evolvulus glomeratus'Blue My Mind'	Brazilian Dwarf Morning Glory	Cont.	12" O.C.	8" SPR	No	143
	JB	Juniperus conferta 'Blue Pacific'	Blue Pacific Shore Juniper	Cont.	24" O.C.	12" SPR	No	93
	LU	Liriope muscari 'Emerald Goddess'	Emerald Goddess Lily Turf	Cont.	18" O.C.	12"x12"	No	507
	SOD	Stenotaphrum secundatum 'Floratam'	Floratam St. Augustine Grass	Sod				± 167,900 sf
	TA	Trachelospermum asiaticum	Asiatic Jasmine	Cont.	15" O.C.	12" SPR	No	473

PEMBROKE PINES CODE REQUIREMENTS:	REQUIRED	PROPOSED
SEC 155.660 NATIVE REQUIREMENTS 50% OF REQUIRED PLANTINGS SHALL BE NATIVE	X	X
SEC 155.661 (G) SINGLE SPECIES REQUIREMENT TREES SHALL HAVE NO MORE THAN 20% OF A SINGLE SPECIES 209 TREES * .20 = 42 TREES MAX	42 TREES MAX	X
SEC 155.661 (G)(1) REQUIRED TREE HEIGHTS ALL PROPERTIES THREE STORIES AND BELOW 20% OF REQUIRED TREES MEET 14-16' H WITH 3" DBH (209 *.20) 20% OF REQUIRED TREES MEET 12-14' H WITH 2" DBH (209 *.20) 60% MUST MEET TREE CATEGORY (I-IV) REQUIREMENTS	 42 TREES 42 TREES 181 TREES	 42 TREES 42 TREES 181 TREES
SEC 155.661 (I) LANDSCAPE ADJACENT TO PUBLIC ROW A (10) FOOT BUFFER SHALL BE PROVIDED AND (1) TREE SHALL BE PLANTED FOR EVERY 50 LINEAR FEET. 880 LF / 50 = 18 TREES A 2' MIN. HEDGE SHALL BE PROVIDED ALONG THE PERIMETER.	 18 TREES X	 18 TREES X
SEC 155.662 NONRESIDENTIAL PROPERTY REQUIREMENTS (1) TREE FOR EVERY 5,000 SF (10) SHRUBS EVERY 5,000 SF OF GROSS AREA. 304400 SF / 5000 = 61 TREES 304400 SF / 5000 * 10 = 609 SHRUBS	 61 TREES 609 SHRUBS	 61 TREES 609 SHRUBS
SEC 155.663 PARKING ISLANDS (1) TREE FOR EVERY FIVE PARKING SPACES AND EVERY 100 SF OF REQUIRED INTERIOR LANDSCAPING. MAX OF 50% OF ISLAND AREAS SOD. REQUIRED INTERIOR LANDSCAPING FOR 153 SPACES = 1,530 SF 153 PARKING SPACES / 5 = 31 TREES 1,530 SF OF INTERIOR LANDSCAPE / 100 = 16 TREES 7,111 SF OF ISLAND AREA / 2 = 3,555 SF OF MAX SOD AREA	 31 TREES 16 TREES 3,555 SF	 31 TREES 16 TREES 1,678 SF

PLANTING NOTES:

1. CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, PLANT LIST, GENERAL NOTES AND ALL CONTRACT DOCUMENTS FOR FURTHER AND COMPLETE INSTRUCTIONS.
2. PLANT LIST QUANTITIES ARE PROVIDED FOR CONVENIENCE. IN THE EVENT OF QUANTITY DISCREPANCIES THE DRAWING SHALL TAKE PRECEDENCE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BIDDING.
3. PLANT SIZES LISTED ARE THE MINIMUM SIZE THAT WILL BE ACCEPTED FOR THAT PLANT.
4. ANY SUBSTITUTION IN SIZE AND/OR PLANT MATERIAL MUST BE APPROVED BY THE LANDSCAPE ARCHITECT IN WRITING. ALL PLANTS WILL BE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT AND/OR OWNERS REPRESENTATIVE BEFORE PLANTING CAN BEGIN.
5. CONTRACTOR SHALL FIELD ADJUST LOCATION OF PLANT MATERIAL AS NECESSARY TO AVOID DAMAGE TO EXISTING UNDERGROUND UTILITIES AND/OR INTERFERE WITH EXISTING ABOVE GROUND ELEMENTS. ALL CHANGES REQUIRED SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE AND SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT.
6. THE CONTRACTOR SHALL BEAR ALL COSTS OF TESTING OF SOILS, AMENDMENTS, ETC. ASSOCIATED WITH THE WORK AND INCLUDED IN THE SPECIFICATIONS.
7. CONTRACTOR SHALL FAMILIARIZE HIM/HERSELF WITH THE LIMITS OF WORK AND EXISTING CONDITIONS AND VERIFY ALL INFORMATION. IF DISCREPANCIES EXIST, CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IN WRITING WITHIN SEVEN CALENDAR DAYS OF NOTICE TO PROCEED.
8. ALL NEW AND TRANSPLANTED PLANT MATERIAL SHALL BE IRRIGATED BY AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM.

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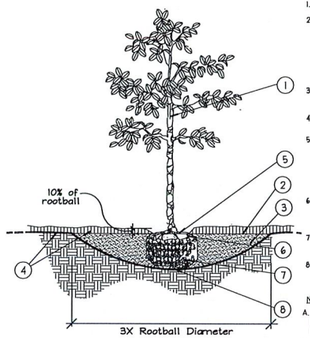


1. TRUNK
2. 3" MINIMUM OF MULCH AS SPECIFIED. WHERE TREES ARE PLACED IN SOD, MULCH RING FOR TREES COVER ROOTBALL SIDES AND EXTEND 18" BEYOND ON ALL SIDES. NO MULCH SHALL BE PLACED OVER TRUNK.
3. SHALLOW WIDE PLANT HOLE; TOP SHALL BE 3X THE SIZE OF ROOTBALL.
4. FINISHED GRADE - LANDSCAPE SOIL
5. FIND TOP-MOST ROOT ON ROOTBALL; POSITION ROOTBALL SO THIS TOP ROOT IS 1-2" ABOVE LANDSCAPE SOIL. (APPROX. 10% OF ROOTBALL SHALL BE ABOVE LANDSCAPE SOIL)
6. B & B OR CONTAINER (SEE SPECIFICATIONS FOR ROOT BALL REQUIREMENTS).
7. REMOVE ALL SYNTHETIC MATERIALS FROM ROOTBALL.
8. ROOTBALLS SHALL BE PLACED ON UNDISTURBED SOIL TO PREVENT SETTLING.

NOTES:

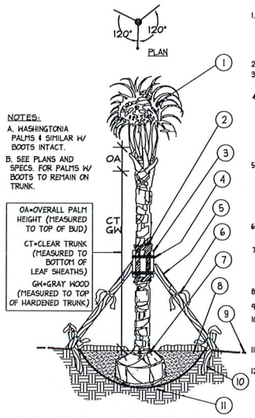
A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

B. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

C. SEE PRE-APPROVED STAKING METHODS, THIS SHEET

* ALL TREES SHALL BE PLUMB VERTICALLY WITHIN A TOLERANCE OF THREE DEGREES, UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE.

A Tree Planting
SECTION NTS



NOTES:

A. WASHINGTONIA PALMS (SIMILAR W/ BOOTS INTACT.

B. SEE PLANS AND SPECS. FOR PALMS W/ BOOTS TO REMAIN ON TRUNK.

OA=OVERALL PALM HEIGHT (MEASURED TO TOP OF BUD)

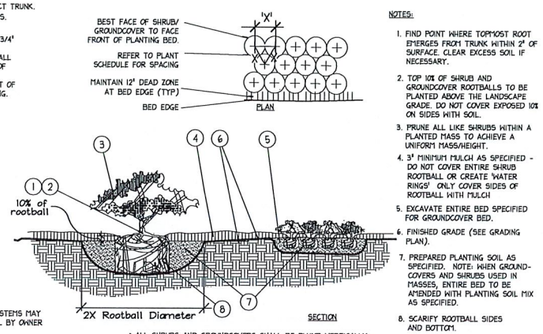
CT=CLEAR TRUNK (MEASURED TO BOTTOM OF LEAF SHEATHS)

GW=GRAY WOOD (MEASURED TO TOP OF HARDENED TRUNK)

1. MINIMUM OF NINE (9) GOOD PALM FRONDS; PRUNE AND TIE FRONDS WITH HEMP TWINE. SABAL PALMS TO BE SELECTIVELY "HURRICANE CUT", LEAVING ONLY NEWLY-EMERGING GROWTH.
2. 5 LAYERS OF BURLAP TO PROTECT TRUNK.
3. FIVE (5) 18'L, 2X4 WOOD BATTENS. UNTREATED, #2
4. SECURE BATTENS WITH TWO (2) 3/4" CARBON STEEL BANDS TO HOLD BATTENS IN PLACE. NO NAILS SHALL BE DRIVEN INTO PALM. HEIGHT OF BATTENS SHALL BE LOCATED PROPORTIONATELY TO THE HEIGHT OF THE PALM FOR ADEQUATE BRACING.
5. THREE (3) 8'L 2X4 SUPPORTS. NAIL (DRILL AND NAIL IF NECESSARY) TO BATTENS AND 2' X 4' STAKES. PALMS SHALL BE PLUMB VERTICALLY UNLESS OTHERWISE NOTED.
6. PROVIDE FLAGGING AT MIDPOINT AND BASE OF SUPPORTS.
7. TOP-MOST ROOT SHALL BE VISIBLE AT THE SURFACE OF THE ROOTBALL, SLIGHTLY ABOVE SURROUNDING GRADE.
8. 3" SPECIFIED MULCH
9. FINISH GRADE
10. 24'L (MIN.) 2X4 P.T. WOOD STAKES, NAIL TO SUPPORT POLES
11. PREPARED PLANTING SOIL AS SPECIFIED
12. ALTERNATE PALM ANCHORING SYSTEMS MAY BE SUBSTITUTED UPON APPROVAL BY OWNER OR OWNER'S REPRESENTATIVE

PRE-APPROVED SYSTEMS:
•BROOKS TREE BRACE SYSTEM
•ARBOR TIE TREE BRACING

B Palm Planting and Staking
SECTION NTS

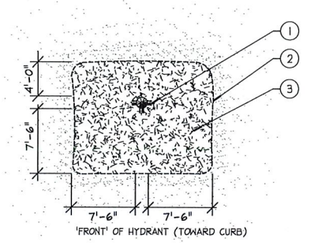


NOTES:

1. FIND POINT WHERE TOPMOST ROOT EMERGES FROM TRUNK WITHIN 2" OF SURFACE. CLEAR EXCESS SOIL IF NECESSARY.
2. TOP 10% OF SHRUB AND GROUNDCOVER ROOTBALLS TO BE PLANTED ABOVE THE LANDSCAPE GRADE. DO NOT COVER EXPOSED 10% ON SIDES WITH SOIL.
3. PRUNE ALL LIKE SHRUBS WITHIN A PLANTED MASS TO ACHIEVE A UNIFORM MASS/HEIGHT.
4. 3" MINIMUM MULCH AS SPECIFIED - DO NOT COVER ENTIRE SHRUB ROOTBALL OR CREATE 'WATER RINGS' ONLY COVER SIDES OF ROOTBALL WITH MULCH
5. EXCAVATE ENTIRE BED SPECIFIED FOR GROUNDCOVER BED.
6. FINISHED GRADE (SEE GRADING PLAN).
7. PREPARED PLANTING SOIL AS SPECIFIED. NOTE: WHEN GROUND-COVERS AND SHRUBS USED IN MASSES, ENTIRE BED TO BE AMENDED WITH PLANTING SOIL MIX AS SPECIFIED.
8. SCARIFY ROOTBALL SIDES AND BOTTOM.

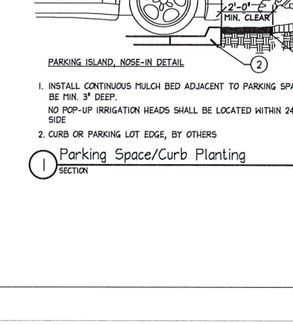
* ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE.

C Shrub / Groundcover Planting
PLAN/SECTION NTS



1. FIRE HYDRANT
2. NO PLANT MATERIAL SHALL BE PLACED WITHIN SHOWN RADIUS OF ALL PROPOSED OR EXISTING FIRE HYDRANTS. CONTRACTOR SHALL ADJUST PLANT MATERIAL SO THAT NO CONFLICTS WITH FIRE HYDRANTS OCCUR ON SITE.
3. PROVIDE A MULCH, 3" DEPTH MIN., SURROUNDING AREA INDICATED.

D Fire Hydrant Clear Zone
PLAN NTS

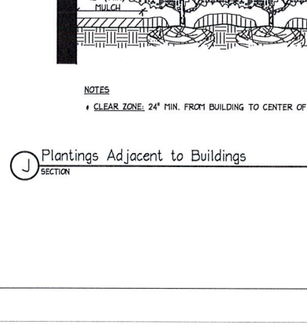


1. FINISH GRADE
2. HORIZONTAL 2X2 SCREWED TO 2X2 STAKE. ALL WOOD SHALL BE #2 UNTREATED.
3. 3-1/2" DRYWALL SCREW, THREAD SIZE 12, SHARP POINT, FULL THREAD, BLACK PHOSPHATE FINISH
4. VERTICAL STAKES SHALL ABUT SIDE OF ROOTBALL
5. STAKES TO EXTEND INTO NATIVE SOIL BY 1-1/2 X THE ROOTBALL DEPTH MIN.

NOTE:
IF SPATIAL REQUIREMENTS PRECLUDE STAKING WITH THIS METHOD, SUBMIT ALTERNATE FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALLING PLANT.

* Refer to details B and D for planting

E Staking - up to 65 gal. or B&B to 3-1/2" Cal.
PLAN/SECTION NTS



1. FIVE (5) LAYERS OF BURLAP TO PROTECT TRUNK
2. TWO STEEL BANDS TO SECURE BATTENS
3. FIVE 2 X 4 X 18'L WOOD BATTENS
4. THREE (3) 2' X 8' LODGE POLES. DRILL, USING GALVANIZED SCREWS, TO BATTENS AND 2' X 4' STAKES. NO SCREWS SHALL PENETRATE TREE. FLAG AT MIDPOINT AND AT BASE.
10. 2" x 4' x 3' (MIN), P.T. WOOD STAKES BURIED 3' BELOW FINISHED GRADE.
7. FINISHED GRADE (SEE GRADING PLAN)

NOTES:

A. ALL TREES SHALL BE PLUMB VERTICALLY WITHIN A TOLERANCE OF THREE DEGREES, UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE.

B. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

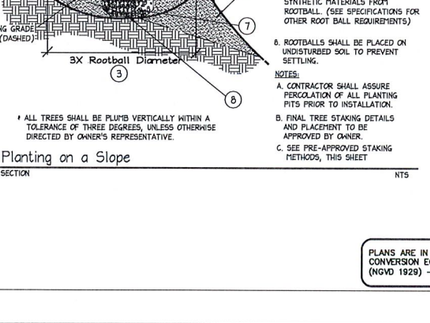
C. ALTERNATE TREE ANCHORING SYSTEMS MAY BE SUBSTITUTED FOR WOOD STAKING SYSTEM UPON APPROVAL BY OWNER OR OWNER'S REPRESENTATIVE

PRE-APPROVED SYSTEMS:
•BROOKS TREE BRACE SYSTEM
•ARBOR TIE TREE BRACING

D. RUBBER HOSE/WIRE SYSTEMS ARE NOT ALLOWED.

* Refer to details B and D for planting

F Large Tree Staking - 100 Gal + or B&B 4" +
SECTION NTS

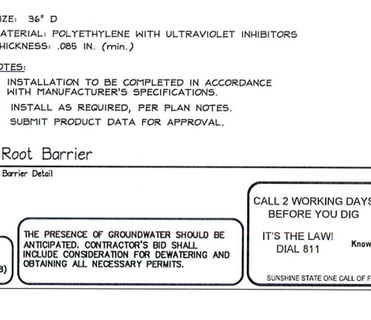


1. FINISH GRADE
2. BACKFILL WITH PREPARED PLANTING SOIL MIX AS SPECIFIED.
3. FILTER CLOTH, MIRAFI 500X OR BETTER
4. 12" CLEAN SAND, COMPACTED. ADJUST LAYER THICKNESS SO TOP OF ROOTBALL IS AT LEAST 1" ABOVE FINISHED GRADE.
5. SLOPE BOTTOM TO DRAIN
6. #18" AUGURED HOLE PENETRATE THROUGH OCCLUDING LAYER TO WATER TABLE OR TO A DEPTH OF 7' TO ASSURE PROPER PERCOLATION.
7. BACKFILL WITH 1/2" - 3/4" GRAVEL.
8. WATER TABLE. (DEPTH VARIES)

NOTE:
FOR A PARKING ISLAND PLANTING SITUATION, CONTRACTOR TO BACKFILL ENTIRE LENGTH OF PLANTING AREA TO WITHIN 6" OF BACK OF CURB OR EDGE OF PAVEMENT.

REFER TO NOTE 0.3 OF WRITTEN SPECIFICATIONS FOR ADDITIONAL INFORMATION.

G Poor Drainage Condition
PLAN/SECTION NTS

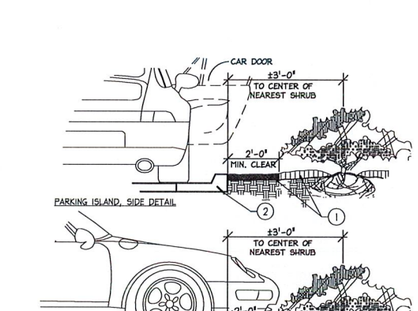


PLANTER ISLAND NOTES

1. CROWN ISLANDS @ 5:1 SLOPES (OR AS SPECIFIED ON THE LANDSCAPE PLANS).
2. CLEAR ZONE: 36" MIN. FROM BACK OF CURB TO CENTER OF NEAREST SHRUB. CLEAR ZONE SHALL CONTAIN 3' CONTINUOUS MULCH OR TURF, SEE PLANS. SEE DETAIL 'I' FOR PLANTER MEDIANS ADJACENT TO PARKING SPACES.
3. 1" MIN VERTICAL CLEARANCE, TOP OF CURB TO TOP OF MULCH.

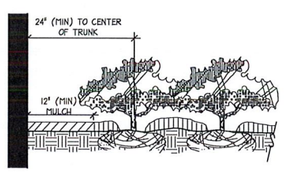
- EXCAVATE CONTINUOUS 36" DEEP (FROM TOP OF CURB) FOR ENTIRE LENGTH AND WIDTH OF ISLAND & BACKFILL WITH APPROVED PLANTING MIX.
- PROTECT AND RETAIN ALL CURBS AND BASE. COMPACTED SUBGRADE TO REMAIN FOR STRUCTURAL SUPPORT OF CURB SYSTEM (TYP.).
- ALL ISLANDS SHALL UTILIZE POOR DRAINAGE DETAIL WHEN PERCOLATION RATES ARE 2" PER HOUR OR LESS.

H Planted Parking Lot Islands / Medians
SECTION NTS



1. INSTALL CONTINUOUS MULCH BED ADJACENT TO PARKING SPACES AS SHOWN. MULCH SHALL BE MIN. 3" DEEP.
   NO POP-UP IRRIGATION HEADS SHALL BE LOCATED WITHIN 24" OF A PARKING SPACE ON ANY SIDE
2. CURB OR PARKING LOT EDGE, BY OTHERS

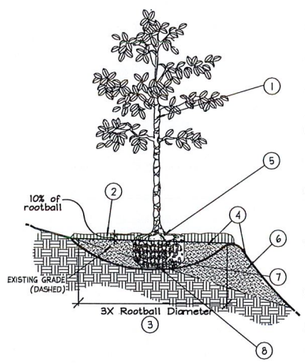
I Parking Space/Curb Planting
SECTION NTS



NOTES

* CLEAR ZONE: 24" MIN. FROM BUILDING TO CENTER OF NEAREST SHRUB.

J Plantings Adjacent to Buildings
SECTION NTS



1. TREES, PALMS, AND LARGE SHRUBS (15 GAL OR GREATER) SHALL BE PLANTED IN SIMILAR MANNER
2. 3" MINIMUM OF MULCH AS SPECIFIED. WHERE TREES ARE PLACED IN SOD, MULCH RING FOR TREES COVER ROOTBALL SIDES AND EXTEND 18" BEYOND ON ALL SIDES. NO MULCH SHALL BE PLACED OVER TRUNK.
3. SHALLOW WIDE PLANT HOLE; TOP SHALL BE 3X THE SIZE OF ROOTBALL.
4. FINISHED GRADE - LANDSCAPE SOIL
5. FIND TOP-MOST ROOT ON ROOTBALL; POSITION ROOTBALL SO THIS TOP ROOT IS 1-2" ABOVE LANDSCAPE SOIL. (APPROX. 10% OF ROOTBALL SHALL BE ABOVE LANDSCAPE SOIL)
6. BERM SOIL SO THAT TOP OF BERM IS JUST BELOW THE TOP 10% OF THE TOP OF THE ROOTBALL. SLOPE DOWNHILL PORTION OF BERM AS REQUIRED TO MEET EXISTING GRADE.
7. B & B OR CONTAINER REMOVE ALL SYNTHETIC MATERIALS FROM ROOTBALL. (SEE SPECIFICATIONS FOR OTHER ROOT BALL REQUIREMENTS)
8. ROOTBALLS SHALL BE PLACED ON UNDISTURBED SOIL TO PREVENT SETTLING.

NOTES:

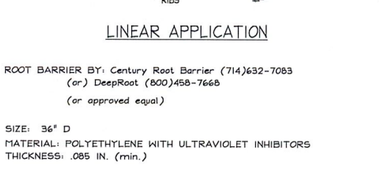
A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

B. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

C. SEE PRE-APPROVED STAKING METHODS, THIS SHEET

* ALL TREES SHALL BE PLUMB VERTICALLY WITHIN A TOLERANCE OF THREE DEGREES, UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE.

K Planting on a Slope
SECTION NTS



LINEAR APPLICATION

ROOT BARRIER BY: Century Root Barrier (714)632-7083
(or) DeepRoot (800)458-7668
(or approved equal)

SIZE: 36" D
MATERIAL: POLYETHYLENE WITH ULTRAVIOLET INHIBITORS
THICKNESS: .085 IN. (min.)

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. INSTALL AS REQUIRED, PER PLAN NOTES.
3. SUBMIT PRODUCT DATA FOR APPROVAL.

L Root Barrier
Barrier Detail NTS

PLANS ARE IN NAVD88 DATUM
CONVERSION EQUATION IS BELOW:
(NGVD 1929) – 1.594' = (NAVD 1988)

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR DEWATERING AND OBTAINING ALL NECESSARY PERMITS.

CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

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HKS

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MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL. 33021

ARCHITECT
HKS ARCHITECTS, INC.
2020 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL. 33134

INTERIOR DESIGN
HKS ARCHITECTS, INC
225 EAST ROBINSON STREET, SUITE 405
ORLANDO, FL 32801

STRUCTURAL ENGINEER
HKS ARCHITECTS, INC
350 N SAINT PAUL STREET, SUITE 100
DALLAS, TX 75201

MEP ENGINEER
TLC ENGINEERING SOLUTIONS
255 S. ORANGE AVE. STE 1500
ORLANDO, FL 32801

LOW VOLTAGE
SMITH BECKMAN REID, INC.
2995 SIDCO DRIVE
NASHVILLE, TN 37204

MEDICAL EQUIPMENT
SMITH BECKMAN REID, INC.
3300 HIGHLANDS PKWY. SE, SUITE 295
SMYRNA, GA 30082

CIVIL/LANDSCAPE ENGINEER
ASHLEY HORN & ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411-2410
REGISTRY No. 35106

Memorial Healthcare System

HOSPITAL-BASED OFF-CAMPUS EMERGENCY DEPARTMENT

CON NO. 111AAA
KEY PLAN

REVISION

NO.	DESCRIPTION	DATE

CLIENT CODE/ FILE NUMBER
23/100230-14430
HKS PROJECT NUMBER
25566.000
DATE
JANUARY 24, 2024
ISSUE
ISSUED FOR CONSTRUCTION
SHEET TITLE
LANDSCAPE DETAILS
SHEET NO.
L3.00
DOB FILE # _____ DOB PAGE # _____

Plotted By:Stokes, Bridget Sheet Set:MEMORIAL MANOR FISD Layout:L3.00 LANDSCAPE DETAILS January 24, 2024 01:15:33pm K:\web_drawings\25566.000-14430\Architecture\Construction Documents\L3.00 LANDSCAPE DETAILS.dwg
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GENERAL LANDSCAPE SPECIFICATIONS AND NOTES

A. SCOPE OF WORK

1. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS HEREIN SPECIFIED.
2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER.

B. PROTECTION OF EXISTING STRUCTURES

ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.

C. PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC. THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED WHERE HEAT WILL DAMAGE ANY PLANT. EXISTING TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPEN AND/ OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF ONE HUNDRED DOLLARS ($100) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PERCENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER.

D. MATERIALS

1. GENERAL

MATERIALS LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL. UPON SUBMITTALS' APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

MATERIAL	SUBMITTAL
MULCH	PRODUCT DATA
TOPSOIL MIX	AMENDMENT MIX/ PRODUCT DATA/ TEST RESULTS
PLANTS	PHOTOGRAPHS OF ONE (1) OF EACH SPECIES (OR TAGGED IN NURSERY) CLIENT-REQUESTED TAGGING MAY SUBSTITUTE PHOTOS. INDICATE SIZES (HEIGHT/WIDTH) AND QUALITY PER SPEC.
FERTILIZER	PRODUCT DATA
INNOCULANT	PRODUCT DATA
HERBICIDE	PRODUCT DATA
STAKING/GUYING	FOR ALTERNATE TO DETAILS: SEND PRODUCT DATA, DETAIL

2. PLANT MATERIALS

A. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. NOMENCLATURE SHALL CONFORM TO STANDARDIZED PLANT NAMES, 1942 EDITION. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE FLORIDA GRADE NO. 1 OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE

B. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.

C. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY; SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

E. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

1. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF 20% CLEAN FLORIDA MUCK AND 80% PARTS CLEAN SAND. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND A PH BETWEEN 5.5 AND 7.0 - SUBMIT SAMPLE AND PH TESTING RESULTS FOR APPROVAL.
2. MUCK (OR MUCKY PEAT) FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, AND OF A VERY HIGH ORGANIC CONTENT DERIVED FROM FLORIDA SOURCES; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH.
3. SAND FOR USE IN PREPARING SOIL MIXTURE SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE SAND. CONTRACTOR SHALL SUBMIT RESULTS OF SOIL TESTS FOR TOPSOIL AND SAND PROPOSED FOR USE UNDER THIS CONTRACT FOR APPROVAL BY THE OWNER.
4. TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE - AT WHICH POINT THE CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.
5. CONTRACTOR TO SUBMIT SAMPLES OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.

F. WATER

WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN AN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC.. IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.

*WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

G. FERTILIZER

CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.

*FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

H. MULCH

MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A MINIMUM DEPTH OF 3 INCHES. CLEAR MULCH FROM EACH PLANT'S CROWN (BASE). TYPE OF MATERIAL: 'FLORIMULCH' OR SHREDDED, STERILE EUCALYPTUS MULCH

I. DIGGING AND HANDLING

1. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ('WILTPRUF' OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.
2. BALLED AND BURLAPPED PLANTS (B&B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS BALLED AND BURLAPPED OR CONTAINER GROWN SHALL NOT BE HANDLED BY STEMS.
3. PLANTS MARKED 'BR' IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS, COMPLYING WITH FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS, CURRENT EDITION. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT DURING TRANSPORTATION AND PRIOR TO PLANTING.
4. PROTECTION OF PALMS (IF APPLICABLE): ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED PER PALM PLANTING DETAIL.
5. EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB- BASES.

J. CONTAINER GROWN STOCK

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION, FLORIDA #1 OR BETTER.
2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.
3. PLANT ROOTS BOUND IN CONTAINERS ARE NOT ACCEPTABLE.
4. SUBSTITUTION OF NON-CONTAINER GROWN MATERIAL FOR MATERIAL EXPLICITLY SPECIFIED TO BE CONTAINER GROWN WILL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL IS OBTAINED FROM THE OWNER OR OWNER'S REPRESENTATIVE.

K. COLLECTED STOCK

WHEN THE USE OF COLLECTED STOCK IS PERMITTED AS INDICATED BY THE OWNER OR OWNER'S REPRESENTATIVE, THE MINIMUM SIZES OF ROOTBALLS SHALL BE EQUAL TO THAT SPECIFIED FOR THE NEXT LARGER SIZE OF NURSERY GROWN STOCK OF THE SAME VARIETY.

L. NATIVE STOCK

PLANTS COLLECTED FROM WILD OR NATIVE STANDS SHALL BE CONSIDERED NURSERY GROWN WHEN THEY HAVE BEEN SUCCESSFULLY RE-ESTABLISHED IN A NURSERY ROW AND GROWN UNDER REGULAR NURSERY CULTURAL PRACTICES FOR A MINIMUM OF TWO (2) GROWING SEASONS AND HAVE ATTAINED ADEQUATE ROOT AND TOP GROWTH TO INDICATE FULL RECOVERY FROM TRANSPLANTING INTO THE NURSERY ROW.

M. MATERIALS LIST

QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE

N. FINE GRADING

1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH. THIS CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.
3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES.

O. PLANTING PROCEDURES

1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.
2. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER SYSTEMS, CABLE, AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES. CALL NATIONAL ONE CALL - 811 - TO LOCATE UTILITIES.
3. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36". CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND ADEQUATE PERCOLATION CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE PLANTING DETAIL THAT ADDRESSES POOR DRAINAGE.
4. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS HEREIN SPECIFIED AND REQUIRED. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.
5. GENERAL: COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE , PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ON-SITE SHALL NOT REMAIN UNPLANTED FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES, METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.
6. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.
7. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK Z60.1, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACKFILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION E. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER PERCOLATION. IF POOR PERCOLATION EXISTS, UTILIZE 'POOR DRAINAGE CONDITION' PLANTING DETAIL. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN. PROPER 'JETTING IN' SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. 'JET STICK' OR EQUAL IS RECOMMENDED.
8. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.
9. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION E OF THESE SPECIFICATIONS.
10. TREES AND SHRUBS SHALL BE SET STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACKFILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING).
11. AMEND PINE AND OAK PLANT PITS WITH ECTOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. ALL OTHER PLANT PITS SHALL BE AMENDED WITH ENDOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. PROVIDE PRODUCT INFORMATION SUBMITTAL PRIOR TO INOCULATION.
12. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET. ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE, ONLY WITH MULCH. ALL BURLAP, ROPE, WIRES, BASKETS, ETC., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.
13. PRUNING: TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY LICENSED ARBORIST, IN ACCORDANCE WITH ANSI A-300.
14. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6", REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" TO ACHEIVE SOIL MIXTURE AS SPECIFIED IN SECTION E. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.
15. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.
16. MULCHING: PROVIDE A THREE INCH (MINIMUM) LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE PIT PLANTED UNDER THIS CONTRACT.
17. HERBICIDE WEED CONTROL: ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, 'ROUND-UP' SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER. (AS ALLOWED BY JURISDICTIONAL AUTHORITY)

P. LAWN SODDING

1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER.
2. LAWN BED PREPARATION: ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.
3. SOIL PREPARATION: PREPARE LOOSE BED FOUR (4) INCHES DEEP. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY.
4. SODDING

A. THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISE.

B. THE SOD SHALL BE CERTIFIED TO MEET FLORIDA STATE PLANT BOARD SPECIFICATIONS, ABSOLUTELY TRUE TO VARIETAL TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND.

C. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS. ADJACENT TO BUILDINGS, A 24 INCH STONE MULCH STRIP SHALL BE PROVIDED - REFER TO DETAILS. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL AUTHORITY.

5. DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE.
6. LAWN MAINTENANCE:

A. WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS (LARGER THAN 12"x12") UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING REGRADING IF NECESSARY).

B. CONTRACTOR RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SOD/LAWN UNTIL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PRIOR TO AND UPON ACCEPTANCE, CONTRACTOR TO PROVIDE WATERING/IRRIGATION SCHEDULE TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY.

Q. CLEANUP

UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM-CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

R. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

S. MAINTENANCE (ALTERNATE BID ITEM)

CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE FOR MAINTENANCE FOLLOWING THE INITIAL 90-DAY MAINTENANCE PERIOD ON A COST-PER-MONTH BASIS.

T. FINAL INSPECTION AND ACCEPTANCE OF WORK

FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

U. WARRANTY

1. THE LIFE AND SATISFACTORY CONDITION OF ALL 7 GALLON AND LARGER PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.
2. THE LIFE AND SATISFACTORY CONDITION OF ALL OTHER PLANT MATERIAL (INCLUDING SOD) INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.
3. REPLACEMENT: ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED UNDER 'PLANTING', AT NO ADDITIONAL COST TO THE OWNER.
4. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE (AND IRRIGATION) MAINTENANCE, THE CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER, AND SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH. IT IS SUGGESTED SUCH SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

PLANS ARE IN NAVD88 DATUM CONVERSION EQUATION IS BELOW: (NGVD 1929) – 1.594' = (NAVD 1988)

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR DEWATERING AND OBTAINING ALL NECESSARY PERMITS.

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