

LAWNWOOD PHYSICAL REHABILITATION CENTER EXPANSION

LOCATED IN:
FORT PIERCE, FLORIDA

PARCEL ID # 2416-504-0199-030-0

**PLANNING BOARD SUBMITTAL
MAY 29, 2015**

CONSULTANTS

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ARCHITECT

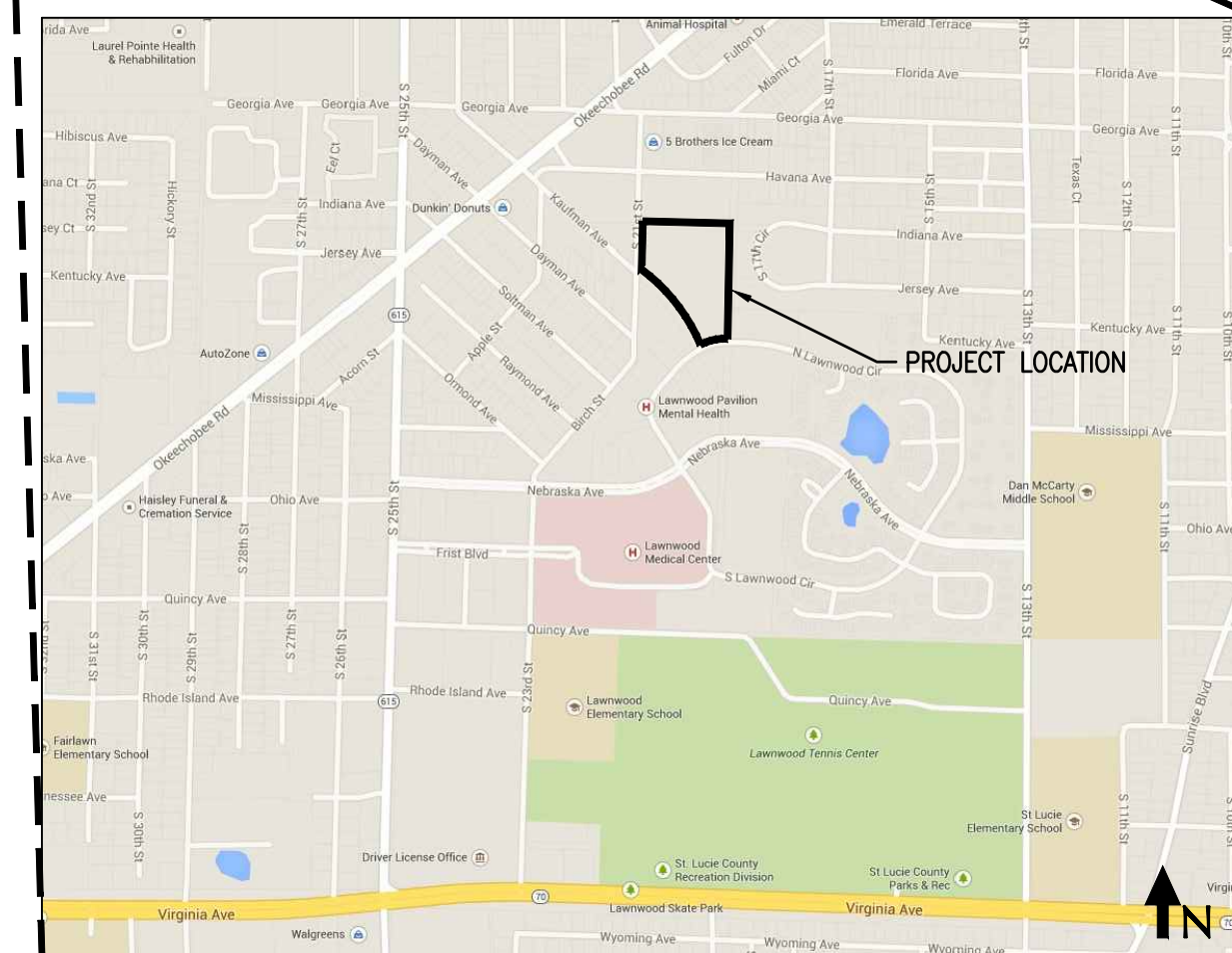
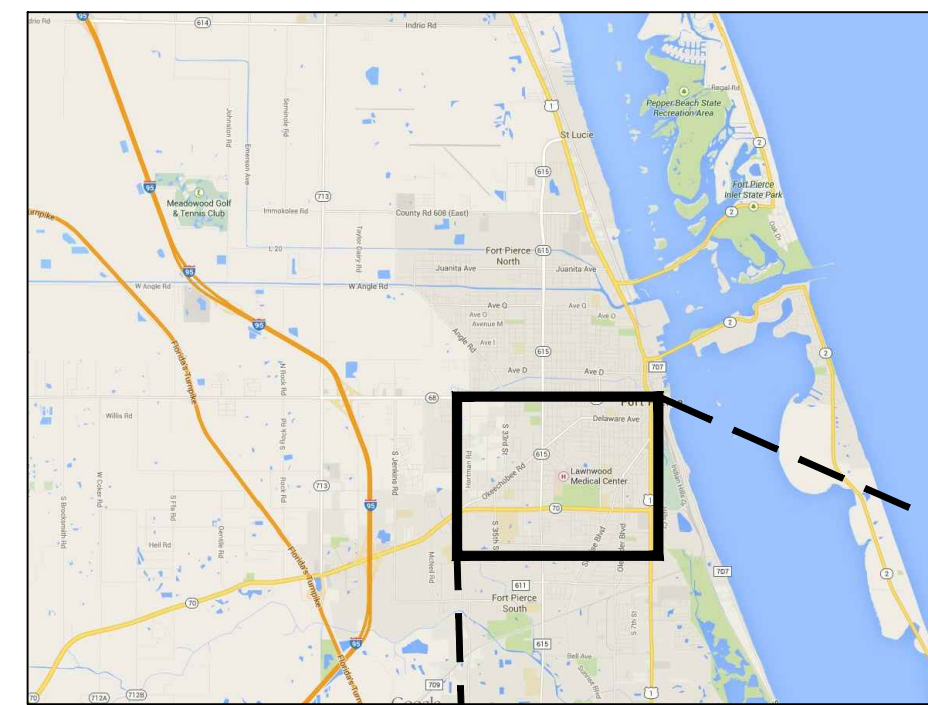
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VICINITY MAP
N.T.S.

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SIGNATORY: GREG LOWE, VICE PRESIDENT
CONTACT: DARRYL DEYOUNG, DIRECTOR OF ENGINEERING
E-MAIL: DARRYL.DEYOUNG@HCAHEALTHCARE.COM

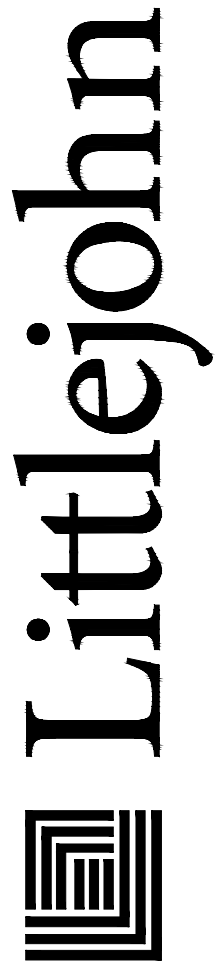
APPLICANT / REPRESENTATIVE

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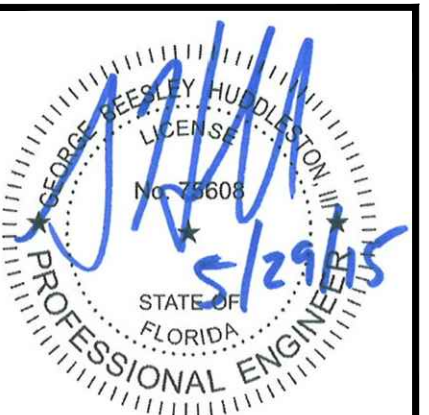
PROJECT INFORMATION

PROJECT DESCRIPTION: 13,412 SF ADDITION TO AN EXISTING PHYSICAL REHABILITATION CENTER.
LEGAL DESCRIPTION: SEE SHEET C1.0, EXISTING CONDITIONS
SITE DATA: SEE SHEET C2.0, NOTES



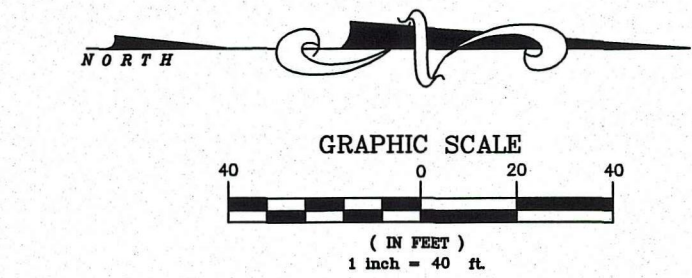
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Florida Firm Registration No. 28050

LAWNWOOD PHYSICAL
REHABILITATION CENTER
EXPANSION
FORT PIERCE, FLORIDA



DATE	REVISIONS
5/6/2015	20150322

C0.0
COVER SHEET



LEGAL DESCRIPTION

A PART OF LAWNWOOD ADDITION AS RECORDED IN PLAT BOOK 2, PAGE 16, ST. LUCIE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS

BEGIN AT THE NORTHWEST CORNER OF BLOCK 25; THENCE S00°05'47"E ALONG THE WEST LINE OF BLOCK 25 AND ALONG THE EAST RIGHT OF WAY OF SOUTH 21ST STREET A DISTANCE OF 273.49 FEET TO THE EXISTING NORTHERLY RIGHT OF WAY OF A 60.00 FOOT RIGHT OF WAY AS RECORDED IN OFFICIAL RECORDS BOOK 261, PAGE 667, PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA; THENCE S55°06'06"E ALONG SAID RIGHT OF WAY A DISTANCE OF 46.54 FEET TO A POINT OF CURVATURE OF A CURVE CONCAVE TO THE SOUTHWEST, SAID CURVE HAVING A RADIUS OF 972.25 FEET; THENCE SOUTHEASTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 23°58'02" A DISTANCE OF 406.70 FEET; THENCE S3°08'04"E ALONG SAID RIGHT OF WAY A DISTANCE OF 197.44 FEET TO THE NORTHERLY RIGHT OF WAY OF A 60.00 FOOT RIGHT OF WAY FOR "LAWNWOOD CIRCLE NORTH" AS RECORDED IN OFFICIAL RECORD BOOK 268, PAGE 1540 OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA, SAID POINT BEING ON THE ARC OF A CURVE CONCAVE TO THE SOUTH, HAVING A RADIUS OF 462.94 FEET, WHOSE CHORD BEARS N73°53'06"E; THENCE EASTERLY ALONG SAID CURVE AND ALONG SAID RIGHT OF WAY THROUGH A CENTRAL ANGLE OF 22°36'29" A DISTANCE OF 182.67 FEET TO THE WEST LINE OF A 50.00 FOOT WIDE DRAINAGE RIGHT OF WAY FOR SOUTH 19TH STREET CANAL; THENCE N01°25'00"E ALONG SAID RIGHT OF WAY A DISTANCE OF 200.70 FEET TO THE SOUTH SIDE OF A VACATED 16.00 FEET ALLEY RUNNING THROUGH BLOCK 30; THENCE N00°06'27"E, CONTINUING ALONG SAID DRAINAGE RIGHT OF WAY AND ALONG THE EAST LINE OF BLOCK 25 A DISTANCE OF 507.90 FEET TO THE NORTHEAST CORNER OF BLOCK 25; THENCE N89°25'13"W A DISTANCE OF 598.62 FEET TO POINT OF BEGINNING.

SUBJECT TO EASEMENTS, RIGHTS OF WAY OR RESERVATIONS OF PUBLIC RECORD.

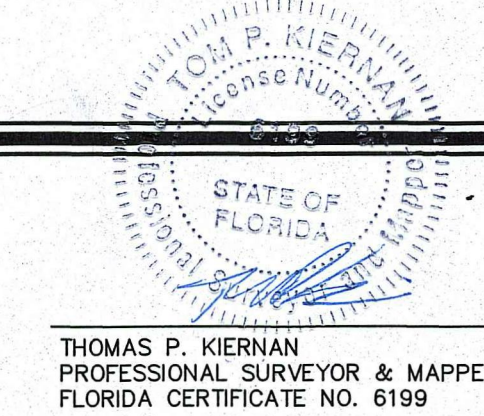
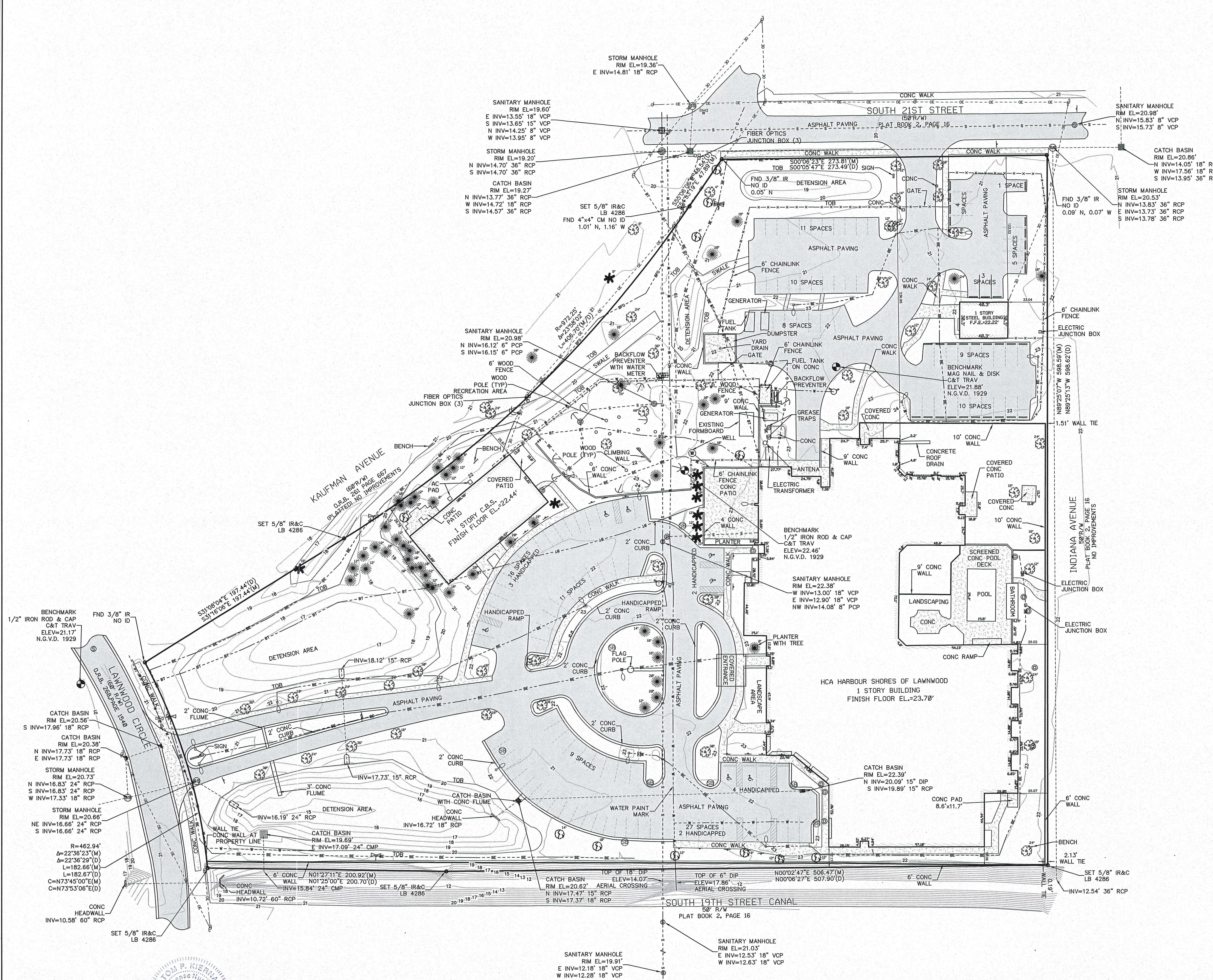
NOTES:

- Not valid without the signature and the original raised seal of a Florida Licensed Surveyor and Mapper.
- Description shown herein provided by the client and/or their agent.
- The last date of field work was April 23, 2015.
- Overall parcel contains 7.539 Acres, more or less.
- Lands shown herein were not abstracted by this office for right-of-ways, Reservations, Agreements, and/or Easements of Record. Such information should be obtained and confirmed by others through appropriate title verification.
- Elevations shown herein are based on the North rim of a catch basin having a elevation of 20.87 feet based on the National Geodetic Vertical Datum (N.G.V.D.) of 1929.
- Bearings shown herein are relative to the East right-of-way line of South 21st Street having a bearing of S00°06'23"E.
- Underground utilities, utility services, foundations and improvements were not located as a part of this survey.
- Said described property is located within an area having a Flood Zone Designation "X", on Flood Rate Map No.12111C0186 J with a date of identification of February 16, 2012 in St. Lucie County, State of Florida, which is the current Flood Insurance Rate Map for the community in which said premises is situated.
- Additions or deletions to survey maps or reports by other than the signing party or parties is prohibited without written consent of the signing party or parties.

LEGEND

- ⊙ DENOTES CENTERLINE
- (M) DENOTES FIELD MEASUREMENTS
- (D) DENOTES DEED DATA
- TOB DENOTES TOP OF BANK
- TYP DENOTES TYPICAL
- FND DENOTES FOUND
- LB DENOTES LICENSED BUSINESS
- OE DENOTES OVERHEAD UTILITIES
- UE DENOTES UTILITY EASEMENT
- PLS DENOTES PROFESSIONAL LAND SURVEYOR
- PIPE DENOTES IRON PIPE
- IR DENOTES IRON ROD
- CM DENOTES CONCRETE MONUMENT
- CONC DENOTES CONCRETE
- IR&C DENOTES 5/8" IRON ROD & CAP
- Δ DENOTES CENTRAL ANGLE
- R DENOTES RADIUS
- L DENOTES ARC LENGTH
- ORB DENOTES OFFICIAL RECORDS BOOK
- ± DENOTES PLUS OR MINUS
- No. DENOTES NUMBER
- PK&D DENOTES P.K. NAIL AND DISK
- CMP DENOTES CORRUGATED METAL PIPE
- RCP DENOTES REINFORCED CONCRETE PIPE
- No ID DENOTES NO IDENTIFICATION NUMBER
- PRM DENOTES PERMANENT REFERENCE MONUMENT
- ⊕ DENOTES FIRE HYDRANT
- ⊕ DENOTES ELEVATION (TYPICAL)
- ⊕ DENOTES WATER METER
- ⊕ DENOTES OAK TREE
- ⊕ DENOTES PINE TREE
- ⊕ DENOTES PALM TREE
- ⊕ DENOTES EXOTIC TREE
- ⊕ DENOTES SOIL BORING
- ⊕ DENOTES SANITARY CLEANOUT
- ⊕ DENOTES STREET LIGHT
- ⊕ DENOTES GUY ANCHOR
- ⊕ DENOTES SIGN
- ⊕ DENOTES SANITARY MANHOLE
- ⊕ DENOTES STORM MANHOLE
- ⊕ DENOTES IRRIGATION VALVE
- BT— DENOTES BELLSOUTH PAINT MARK
- BE— DENOTES FP&L PAINT MARK
- W— DENOTES WATER PAINT MARK
- S— DENOTES SANITARY PIPE
- G— DENOTES GAS PAINT MARK

C1.0
EXISTING CONDITIONS



THOMAS P. KIERNAN
PROFESSIONAL SURVEYOR & MAPPER
FLORIDA CERTIFICATE NO. 6199

5/4/15
SIGNATURE DATE

COMPUTER FILE REF.	FIELD BK./PG.
15-054 map.dwg	

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STATE OF FLORIDA CERTIFICATION No. LB 4286

- REVISIONS -		BY	DATE
ADD'D SANITARY MANHOLE	SANITARY & WATER	INF	LOCATION
		GLM	4-24-15

FIELD	BY	DATE
CALCS.	GA	4-7-15
DRAWN	GLM	4-7-15
DETAILED		
CHECKED		
APPROVED		

BOUNDARY SURVEY
PREPARED FOR
LITTLEJOHN ENGINEERING ASSOCIATES

DATE: 4-07-2015
HORIZ. SCALE: 1"=40'
VERT. SCALE: N/A
JOB No. 15-054
SHEET 1 OF 1

GENERAL NOTES

- BASE INFORMATION WAS TAKEN FROM A SURVEY PREPARED BY CULPEPPER & TERPENING, INC. ON 5/5/2015. LITTLEJOHN ENGINEERING ASSOCIATES AND ANY OF THEIR CONSULTANTS SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY AND/OR COMPLETENESS OF THAT INFORMATION SHOWN HEREON OR ANY ERRORS OR OMISSIONS RESULTING FROM SUCH.
- THE SITE LAYOUT IS BASED ON REFERENCE POINTS AS NOTED.
- THE CONTRACTOR SHALL CHECK ALL EXISTING CONDITIONS, (i.e. INVERTS, UTILITY ROUTINGS, UTILITY CROSSINGS, AND DIMENSIONS) IN THE FIELD PRIOR TO COMMENCEMENT OF WORK. REPORT ANY DISCREPANCIES TO THE ENGINEER.
- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY. THE CONTRACTOR SHALL CALL NATIONAL ONE CALL (811) 72 HOURS PRIOR TO PROCEEDING WITH ANY EXCAVATION.
- THE CONTRACTOR SHALL CONFORM TO ALL LOCAL CODES AND RECEIVE APPROVAL WHERE NECESSARY BEFORE CONSTRUCTION.
- PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. SLIGHT FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY.
- DIMENSIONS ARE TO FACE OF CURB AND/OR EXTERIOR FACE OF BUILDING UNLESS OTHERWISE NOTED.
- CONCRETE FOR SIDEWALKS SHALL BE 3500 PSI CONCRETE.
- ANY WORK UNACCEPTABLE TO THE OWNER'S REPRESENTATIVE OR TO THE CITY OF FORT PIERCE SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- ACCESSIBLE RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1:12. GRADES WITHIN ACCESSIBLE SPACES SHALL BE MAXIMUM 2% IN ALL DIRECTIONS.
- THE PROPOSED BUILDING SHALL BE LAID OUT UTILIZING THE EXISTING STRUCTURE AS A CONTROL POINT AND THE ARCHITECTURAL DRAWINGS. DIMENSIONS SHOWN TO THE PROPOSED BUILDING ARE CALCULATED TO THE FACE OF EXTERIOR WALL. SEE ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS.
- CURBS SHALL BE PARALLEL TO THE CENTERLINE OF DRIVES. THE CURB SHALL BE PLACED ONLY AFTER HAVING ALL BREAK POINTS (PC & PT OF CURVES) LOCATED AT THE FACE OF CURB OR AT A CONSISTENT OFFSET BY A REGISTERED LAND SURVEYOR.
- THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE MANUAL OF ACCIDENT PREVENTION AND CONSTRUCTION ISSUED BY AGC OF AMERICA, INC. AND THE SAFETY AND HEALTH REGULATIONS OF CONSTRUCTION ISSUED BY THE U.S. DEPARTMENT OF LABOR.
- THE CONTRACTOR SHALL PAVE IN THE DIRECTION OF TRAFFIC.
- THE CONTRACTOR SHALL COLD PLANE IN THE DIRECTION OF TRAFFIC.
- THE CONTRACTOR WILL BE REQUIRED TO ADJUST GRADES OF INTERSECTING STREETS, ALLEYS, PUBLIC ENTRANCES AND PRIVATE DRIVES AS DIRECTED BY THE ENGINEER.
- ALL ROADWAY AND SIDEWALK CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF CITY OF FORT PIERCE.
- ALL CONSTRUCTION MATERIALS AND INSTALLATION SHALL CONFORM TO CITY OF FORT PIERCE AND STATE DOT REGULATIONS AND SPECIFICATIONS.
- ALL CURBING WILL BE REQUIRED TO ADJUST TO THE GRADES OF INTERSECTING STREETS, ALLEYS, PUBLIC ENTRANCES, AND PRIVATE DRIVES AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE MANUAL OF ACCIDENT PREVENTION AND CONSTRUCTION ISSUED BY AGC OF AMERICA, INC. AND THE SAFETY AND HEALTH REGULATIONS OF CONSTRUCTION ISSUED BY THE U.S. DEPARTMENT OF LABOR.

SITE UTILITY NOTES

- THE SANITARY SEWER SHALL BE OF THE MATERIAL INDICATED ON THE PLAN. POLYVINYLCHLORIDE (PVC) SHALL BE (SDR26).
- ALL WATER LINES, SEWER LINES, AND APPURTENANCES SHALL BE OF MATERIALS AND CONSTRUCTION THAT CONFORM TO THE FPUA STANDARDS AND DETAILS. PROVIDE A MINIMUM 36" OF COVER OVER ALL WATER LINES.
- THE CONTRACTOR SHALL MAINTAIN VERTICAL AND HORIZONTAL SEPARATION BETWEEN UTILITIES AND WATER LINES IN ACCORDANCE WITH FORT PIERCE AND FPUA STANDARDS.
- THE CONTRACTOR SHALL FIELD VERIFY THE EXACT HORIZONTAL AND VERTICAL LOCATION OF EXISTING MANHOLES OR SANITARY SEWER LINES AT THE POINT OF CONNECTION PRIOR TO THE COMMENCEMENT OF ORDERING OF MATERIALS, CONSTRUCTION OR REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SEQUENCING OF CONSTRUCTION FOR ALL UTILITY LINES SO THAT WATER LINES DO NOT CONFLICT WITH SANITARY SEWERS, SANITARY SEWER SERVICES, STORM SEWERS, OR ANY OTHER UTILITY OR STRUCTURE, EXISTING OR PROPOSED.
- THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY.
- BEFORE CONNECTIONS ARE MADE INTO EXISTING UTILITIES, THE NEW LINES ARE TO BE FLUSHED AND TESTED BY THE CONTRACTOR IN ACCORDANCE WITH THE FPUA SPECIFICATIONS.
- ALL TRENCHES CUT IN EXISTING ROADS OR DRIVES SHALL UTILIZE A CLEAN SAW CUT AND SHALL BE BACKFILLED (100%) TO FINAL SUBGRADE WITH #57 STONE. REPAIR ROADS PER LOCAL AGENCY REQUIREMENTS.
- REPAIR ALL DAMAGE TO EXISTING FEATURES (i.e. DRIVES, ROADS, YARDS, LANDSCAPING, ETC.) TO PRE-CONSTRUCTION CONDITION.
- THE CONTRACTOR SHALL PROVIDE ALL HORIZONTAL AND VERTICAL BENDS TO ATTAIN THE ALIGNMENT INDICATED ON THE PLANS. PROVIDE VERTICAL BENDS WHERE NECESSARY TO ALLOW WATER LINES TO PASS UNDER OR OVER OTHER UTILITY LINES. (ALL BENDS AND BRACES NEEDED MAY NOT BE ACTUALLY SHOWN). PROVIDE BRACING AND/OR RODDING AT ALL BENDS AND TEES AS REQUIRED BY WATER DEPARTMENT.
- REDUCED PRESSURE BACKFLOW PREVENTER (RPBP) OR DUAL CHECK WILL BE REQUIRED ON ALL TESTS AND FILL LINES (JUMPER) NEEDED FOR WATER MAIN CONSTRUCTION AND MUST BE APPROVED BY THE FPUA.
- COORDINATE THE EXACT LOCATION OF ALL UTILITIES ENTERING THE BUILDING WITH THE PLUMBING PLANS.
- THE CONTRACTOR SHALL VERIFY REQUIRED PIPE LENGTHS. EXISTING PIPE MATERIAL AND SIZES AS SHOWN ON PLANS.
- REPAIR EXISTING PAVEMENT, CURBS, WALKS, LANDSCAPING, ETC. THAT ARE DAMAGED BY CONSTRUCTION ACTIVITIES TO A LIKE NEW CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- WHERE DRAINAGE OR UTILITY LINES OCCUR IN PROPOSED FILL AREAS, THE FILL MATERIAL IS TO BE PLACED AND COMPACTED PER GEOTECHNICAL ENGINEERS RECOMMENDATION PRIOR TO INSTALLATION OF DRAINAGE OR UTILITY LINES. FILL IS TO BE INSPECTED BY A PROFESSIONAL GEOTECHNICAL ENGINEER TESTING FIRM EMPLOYED BY THE OWNER. RESULTS OF THE TEST SHALL BE FURNISHED TO THE OWNER'S REPRESENTATIVE. CONTRACTOR TO PAY FOR ANY RETESTING.
- THE CONTRACTOR SHALL ADJUST THE ALIGNMENT OF THE WATER LINES (HORIZONTALLY AND/OR VERTICALLY) TO ALLOW THE REQUIRED BRACING AT BENDS AND TEES.
- EXISTING CASTINGS LOCATED IN FILL/CUT AREAS SHALL BE ADJUSTED TO ENSURE THAT THE TOP OF CASTING IS FLUSH WITH THE FINISHED GRADE.
- THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.
- PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED "AROUND" UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS.
- FIRE HYDRANT ASSEMBLIES INCLUDE THE APPROPRIATE SIZED TEE (WITH KICKER), 6" LINE TO HYDRANT, 6" GATE VALVE (WITH VALVE BOX), AND FIRE HYDRANT (WITH KICKER). HYDRANTS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS.
- THE CONCRETE CAPS AND ENCASMENTS ON WATER AND SEWER LINES SHALL BE A MINIMUM OF 6" THICK. USE 3000 PSI CONCRETE.
- CONTRACTOR SHALL MARK THE LOCATION OF ALL NEW PVC LINES PER FPUA STANDARDS.

DEMOLITION NOTES

- ALL MATERIALS BEING REMOVED AND NOT RELOCATED UNDER THE NEW CONSTRUCTION, INCLUDING TREES AND SHRUBS, SIGNS, UTILITY STRUCTURES, ETC., SHALL BE FIRST OFFERED TO THE OWNER'S REPRESENTATIVE AND IF NOT ACCEPTED SHALL THEN BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL CHARTED AND UNCHARTED UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.
- THE CONTRACTOR SHALL VERIFY THE LIMITS OF DEMOLITION WITH THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK.
- IN AREAS WHERE EXISTING PAVEMENT, WALKS, OR CURBS ARE TO BE REMOVED, SAW CUT TO PROVIDE A CLEAN EDGE. COORDINATE EXTENT OF PAVEMENT DEMOLITION WITH THE LIMIT OF NEW IMPROVEMENTS ON THE SITE LAYOUT PLAN & UTILITY INSTALLATION.
- CONTRACTOR SHALL COORDINATE PHASING OF THE DEMOLITION WITH THE OWNER'S REPRESENTATIVE AND CITY OF FORT PIERCE PRIOR TO BEGINNING WORK. DISRUPTION OF EXISTING UTILITY SERVICES AND TRAFFIC PATTERNS SHALL BE MINIMIZED TO THE EXTENT POSSIBLE AND INITIATED ONLY AFTER APPROVAL BY THE CITY OF FORT PIERCE AND THE UTILITY COMPANIES.
- CAVITIES LEFT BY STRUCTURE REMOVAL SHALL BE SUITABLY BACKFILLED AND COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL USE WATER SPRINKLING AND OTHER SUITABLE METHODS AS NECESSARY TO CONTROL DUST AND DIRT CAUSED BY THE DEMOLITION WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL NECESSARY TO ACCOMPLISH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL PRESERVE AND PROTECT SURVEY CONTROL POINTS AND SHALL BE RESPONSIBLE FOR REPLACEMENT OF ANY DISTURBED CONTROL POINTS.
- EXISTING LIGHT STANDARDS BEING REMOVED SHALL BE FIRST OFFERED TO THE OWNER PRIOR TO DISPOSING OF THEM. COORDINATE LIGHTING DEMOLITION AND LAYOUT WITH THE ELECTRICAL DRAWINGS.
- RELOCATION OF EXISTING PLANT MATERIALS SHALL BE COORDINATED WITH THE OWNER AND RELOCATED TO A DESIGNATED AREA ON SITE.
- EXISTING TREES TO BE PRESERVED ARE TO BE BARRICADED BEFORE BEGINNING CONSTRUCTION. IN ACCORDANCE WITH THE TREE PRESERVATION NOTES AND DETAIL ON THE LANDSCAPE PLAN.
- NO UTILITY OR STORM SEWER LINES SHALL BE DEMOLISHED UNTIL THE NEW LINES HAVE BEEN INSTALLED AND ARE PLACED INTO OPERATION.
- THE CONTRACTOR SHALL INCORPORATE INTO HIS WORK ANY ISOLATION VALVES OR TEMPORARY PLUGS REQUIRED TO CONSTRUCT NEW UTILITY LINES AND DEMOLISH EXISTING UTILITY LINES.
- SELECTIVE CLEARING CONSISTING OF REMOVAL OF VINES, SAPLINGS UNDER 1" DIAMETER AND UNDERBRUSH SHALL BE PERFORMED IN TREE PRESERVATION AREAS INTERNAL TO THE PROJECT AND NOTED ON PLANS.
- WHERE WATER LINE AND SEWER LINE ABANDONMENT IS PLANNED, THE CONTRACTOR MAY ABANDON WATER LINES AND SEWER LINES IN PLACE WHERE THEY OCCUR AT LEAST 24" (TO TOP OF PIPE) BELOW FINAL SUBGRADE ELEVATIONS AND OUTSIDE THE BUILDING FOOT PRINT. ALL UTILITY LINES BEING ABANDONED IN PLACE SHALL HAVE ALL ENDS PERMANENTLY CLOSED USING A CONCRETE PLUG.
- EXISTING IRRIGATION LINES LIE WITHIN THE AREA AFFECTED BY THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL REWORK THE EXISTING IRRIGATION SYSTEMS IN ACCORDANCE WITH DIRECTIVES NOTED ON THE LANDSCAPE PLAN. SERVICE SHALL BE MAINTAINED DURING CONSTRUCTION TO THE LANDSCAPED AREAS CURRENTLY IRRIGATED.

SITE GRADING & EROSION CONTROL NOTES

- THE DISTURBED AREA FOR THIS PROJECT IS APPROXIMATELY 1.25± ACRES.
- THE SUBJECT PROPERTY DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD ZONE ACCORDING TO COMMUNITY PANEL NO. 12111C0186J OF THE F.E.M.A. FLOOD INSURANCE RATE MAPS FOR FORT PIERCE, FLORIDA, WITH AN EFFECTIVE DATE OF 2/16/12
- CONSTRUCT SILT BARRIERS BEFORE BEGINNING GRADING OPERATIONS.
- MULCH AND SEED ALL DISTURBED AREAS AS SOON AS POSSIBLE AFTER FINAL GRADING IS COMPLETED, UNLESS OTHERWISE INDICATED. CONTRACTOR SHALL TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.
- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.
- PROVIDE TEMPORARY CONSTRUCTION ACCESS(ES) AT THE POINT(S) WHERE CONSTRUCTION VEHICLES EXIT THE CONSTRUCTION AREA. MAINTAIN PUBLIC ROADWAYS FREE OF TRACKED MUD AND DIRT.
- THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF THE STORM DRAIN CONNECTIONS AT THE BUILDING WITH THE PLUMBING PLANS.
- THE CONTRACTOR SHALL CHECK ALL EXISTING GRADES AND DIMENSIONS IN THE FIELD PRIOR TO BEGINNING WORK AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
- THE CONTRACTOR SHALL ADJUST THE CASTINGS OF ALL NEW AND EXISTING STRUCTURES TO MATCH PROPOSED FINISH GRADES.
- THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE MANUAL OF ACCIDENT PREVENTION AND CONSTRUCTION ISSUED BY AGC OF AMERICA, INC. AND THE SAFETY AND HEALTH REGULATIONS OF CONSTRUCTION ISSUED BY THE U.S. DEPARTMENT OF LABOR.
- PROPOSED CONTOUR LINES AND SPOT ELEVATIONS ARE THE RESULT OF AN ENGINEERED GRADING DESIGN AND REFLECT A PLANNED INTENT WITH REGARD TO DRAINAGE AND MOVEMENT OF MATERIALS. SHOULD THE CONTRACTOR HAVE ANY QUESTION OF THE INTENT OR ANY PROBLEM WITH THE CONTINUITY OF GRADES, THE ENGINEER SHALL BE CONTACTED IMMEDIATELY.
- ALL CUT AND FILL SLOPES SHALL BE 3 HORIZONTAL TO 1 VERTICAL OR FLATTER UNLESS OTHERWISE INDICATED ON THE PLANS.
- ALL PIPES UNDER EXISTING PAVED AREAS SHALL BE BACKFILLED TO THE TOP OF SUBGRADE WITH CRUSHED STONE.
- MINIMUM GRADE ON ASPHALT OR CONCRETE PAVING SHALL BE 1.0%. THE MAXIMUM GRADES WITHIN ACCESSIBLE SPACES SHALL BE 2% IN ANY DIRECTION.
- CONTRACTOR SHALL CONFORM TO ALL APPLICABLE CODES AND OBTAIN APPROVAL AS NECESSARY BEFORE BEGINNING CONSTRUCTION.
- ALL EARTHWORK, INCLUDING THE EXCAVATED SUBGRADE AND EACH LAYER OF FILL, SHALL BE MONITORED AND APPROVED BY A QUALIFIED GEOTECHNICAL ENGINEER, OR HIS REPRESENTATIVE.
- IF ANY SPRINGS OR UNDERGROUND STREAMS ARE EXPOSED DURING CONSTRUCTION PERMANENT FRENCH DRAINS MAY BE REQUIRED. THE DRAINS SHALL BE SPECIFIED AND LOCATED DURING CONSTRUCTION AS REQUIRED BY THE CONDITIONS WHICH ARE ENCOUNTERED, AND SHALL BE APPROVED BY THE ENGINEER.
- THIS GRADING & DRAINAGE PLAN IS NOT A DETERMINATION OR GUARANTEE OF THE SUITABILITY OF THE SUBSURFACE CONDITIONS FOR THE WORK INDICATED. A GEOTECHNICAL SOILS REPORT HAS BEEN PREPARED AND IS AVAILABLE FROM THE OWNER. DETERMINATION OF THE SUBSURFACE CONDITIONS FOR THE WORK INDICATED IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL TAKE SPECIAL CARE TO COMPACT FILL SUFFICIENTLY AROUND AND OVER ALL PIPES, STRUCTURES, VALVE STEMS, ETC., INSIDE THE PROPOSED PAVED AREAS TO AVOID SETTLEMENT. ANY SETTLEMENT DURING THE WARRANTY PERIOD SHALL BE RESTORED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- IN NO CASE SHALL SLOPE, HEIGHT, SLOPE INCLINATION, OR EXCAVATION DEPTH, INCLUDING TRENCH CONSTRUCTION, EXCEED THOSE SPECIFIED IN LOCAL, STATE AND FEDERAL REGULATIONS, SPECIFICALLY THE CURRENT OSHA HEALTH AND SAFETY STANDARDS FOR EXCAVATIONS (29 CFR PART 1926) SHALL BE FOLLOWED.
- DO NOT DISTURB VEGETATION OR REMOVE TREES EXCEPT WHEN NECESSARY FOR GRADING PURPOSES.
- STRIP TOPSOIL FROM ALL CUT AND FILL AREAS AND STOCKPILE UPON COMPLETION OF GENERAL GRADING OVER ALL DISTURBED AREAS, TO A MINIMUM DEPTH OF 6". CONTRACTOR SHALL SUPPLY ADDITIONAL TOP SOIL IF INSUFFICIENT QUANTITIES EXIST ON SITE.
- TOP OF GRATE ELEVATIONS AND LOCATION OF COORDINATES FOR DRAINAGE STRUCTURES SHALL BE AS SHOWN ON THE DETAIL, UNLESS NOTED OTHERWISE. THE GRATES SHALL SLOPE LONGITUDINALLY WITH THE PAVEMENT GRADES.
- ALL DRAINAGE CONSTRUCTION MATERIALS AND INSTALLATION SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL GOVERNING AGENCY.
- POSITIVE DRAINAGE SHALL BE ESTABLISHED AS THE FIRST ORDER OF WORK AND SHALL BE MAINTAINED AT ALL TIMES DURING AND AFTER CONSTRUCTION. SOIL SOFTENED BY PERCHED WATER IN FOUNDATION AND PAVEMENT AREAS MUST BE UNDERCUT AND REPLACED WITH SUITABLE FILL MATERIALS APPROVED BY THE GEOTECHNICAL ENGINEER. GROUNDWATER INFILTRATION INTO EXCAVATIONS SHOULD BE EXPECTED, AND THE WATER SHALL BE REMOVED USING GRAVITY DRAINAGE OR PUMPING.
- REINFORCED CONCRETE STORM DRAINAGE PIPE SHALL BE CLASS III, WALL 'B'.
- FILL SLOPES 3:1 AND GREATER SHALL BE PLACED AND COMPACTED 5' BEYOND PROPOSED LIMITS AND THEN EXCAVATED BACK TO THE PROPOSED LOCATION.
- ALL FILL MATERIAL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT. THIS MATERIAL SHALL BE PLACED IN LIFTS DIRECTED BY THE GEOTECHNICAL ENGINEER AND COMPACTED AS SPECIFIED BY THE GEOTECHNICAL ENGINEER.
- SEDIMENT REMOVED FROM SEDIMENT CONTROL STRUCTURES IS TO BE PLACED AT A SITE APPROVED BY THE ENGINEER. IT SHALL BE TREATED IN A MANNER SO THAT THE AREA AROUND THE DISPOSAL SITE WILL NOT BE CONTAMINATED OR DAMAGED BY THE SEDIMENT IN THE RUN-OFF. COST FOR THIS TREATMENT IS TO BE INCLUDED IN PRICE BID FOR EARTHWORK. THE CONTRACTOR SHALL OBTAIN THE DISPOSAL SITE AS PART OF THIS WORK.
- STOCKPILED TOPSOIL OR FILL MATERIAL IS TO BE TREATED SO THE SEDIMENT RUN-OFF WILL NOT CONTAMINATE SURROUNDING AREAS OR ENTER NEARBY STREAMS.
- ANY SITE USED FOR DISPOSAL AND/OR STOCKPILE OF ANY MATERIAL SHALL BE PROPERLY PERMITTED FOR SUCH ACTIVITY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEE THAT ALL REQUIRED PERMITS ARE SECURED FOR EACH PROPERTY UTILIZED. A COPY OF THE APPROVED PERMIT MUST BE PROVIDED TO THE INSPECTOR PRIOR TO COMMENCEMENT OF WORK ON ANY PROPERTY. FAILURE TO DO SO MAY RESULT IN THE CONTRACTOR REMOVING ANY ILLEGALLY PLACED MATERIAL AT HIS OWN EXPENSE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO WASTE EXCESS EARTH MATERIAL OFF SITE AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL FIRST OFFER THE EXCESS MATERIAL TO THE OWNER. IF NOT ACCEPTED BY THE OWNER, THE CONTRACTOR SHALL DISPOSE OF EARTH MATERIAL OFF SITE. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO IMPORT SUITABLE MATERIAL (AT NO ADDITIONAL COST TO THE OWNER) FOR EARTHWORK OPERATIONS IF SUFFICIENT AMOUNTS OF EARTH MATERIAL ARE NOT AVAILABLE ON SITE.
- THE CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY OF THE DETENTION POND DIVERSION DITCH VERIFYING THE REQUIRED VOLUME HAS BEEN PROVIDED AND THAT THE OUTLET CONTROL STRUCTURES MEETS THE DESIGN REQUIREMENTS. THE SURVEY SHALL BE CONDUCTED BY A SURVEYOR LICENSED IN THE STATE OF FLORIDA.

GENERAL INFORMATION

DEVELOPMENT NAME: LAWNWOOD PHYSICAL REHABILITATION CENTER
 PARCEL NUMBERS: 2416-504-0199-030-0

ZONING: C1

OWNER: LAWNWOOD REGIONAL MEDICAL CENTER, INC.
 PO BOX 1504
 NASHVILLE, TN 37205

AGENT / ENGINEER: LITTLEJOHN ENGINEERING ASSOCIATES
 1615 EDGEWATER DRIVE, SUITE 180
 ORLANDO, FL 32804
 P: (407) 975-1273
 F: (407) 975-1278
 CONTACT : GEORGE HUDDLESTON, III, PE

PROPOSED PROJECT INFORMATION

PROJECT NAME: LAWNWOOD PHYSICAL REHABILITATION CENTER EXPANSION

SITE ADDRESS: 1860 N. LAWNWOOD CIR
 CITY: FORT PIERCE
 COUNTY: ST. LUCIE
 STATE: FLORIDA

PROPOSED USE: PHYSICAL REHABILITATION CLINIC

BUILDING SETBACKS:	MIN.
FRONT YARD:	25'
SIDE YARD:	15'
REAR YARD:	15'

DEVELOPMENT INFORMATION

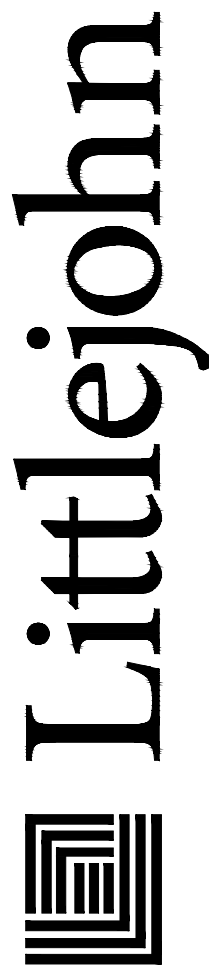
SITE AREA	ACRES		SQ. FT.	
	7.54	328,442		
BUILDING COVERAGE				
MAX. FLOOR AREA RATIO:	40%			
	SQ. FT.	F.A.R.	BEDS	
EXISTING REHAB BUILDING	52,375	15.95%	58	
EXISTING MOB	5,670	1.73%	N/A	
PROPOSED BUILDING	13,412	4.08%	16	
TOTAL	71,457	21.76%	74	

SITE COVERAGE

EXISTING BUILDINGS	SQ. FT.		ACRES		%
	58,045	1,33	1.33	17.67%	
EXISTING PARKING	43,966	1.01	1.01	13.39%	
EXISTING MISC.	6,671	0.15	0.15	2.03%	
EXISTING SUBTOTAL	108,682	2.49	2.49	33.09%	
PROPOSED BUILDING					
PROPOSED BUILDING	13,412	0.31	0.31	4.08%	
PROPOSED PARKING	31,410	0.72	0.72	9.56%	
PROPOSED MISC.	11,339	0.26	0.26	3.45%	
PROPOSED SUBTOTAL	56,161	1.29	1.29	17.10%	
TOTAL IMPERVIOUS COVER:	164,843	3.78	3.78	50.19%	
TOTAL OPEN SPACE	163,599	3.76	3.76	49.81%	

PARKING

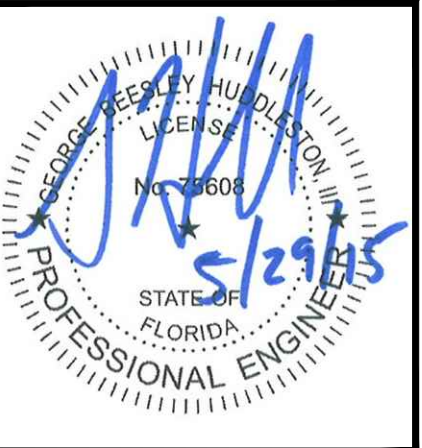
PARKING REQUIREMENT:	1.5 SPACES / BED
	1 SPACE / 200 SF OF MOB (
EXISTING BEDS	58
PROPOSED BEDS	16
MOB SQUARE FOOTAGE	5670 SF
REQUIRED PARKING:	139 SPACES
PROVIDED PARKING:	59 STAFF/EMPLOYEE SPACES
	64 PATIENT/VISITOR SPACES
	16 ACCESSIBLE SPACES
	139 TOTAL SPACES



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 Edward A. Browder, P.L.A. 16466799
 Florida Firm Registration No. 28050

LAWNWOOD PHYSICAL REHABILITATION CENTER EXPANSION

FORT PIERCE, FLORIDA



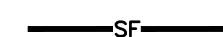
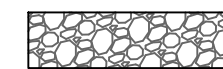
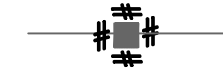

DATE	REVISIONS
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C2.0
 GENERAL NOTES

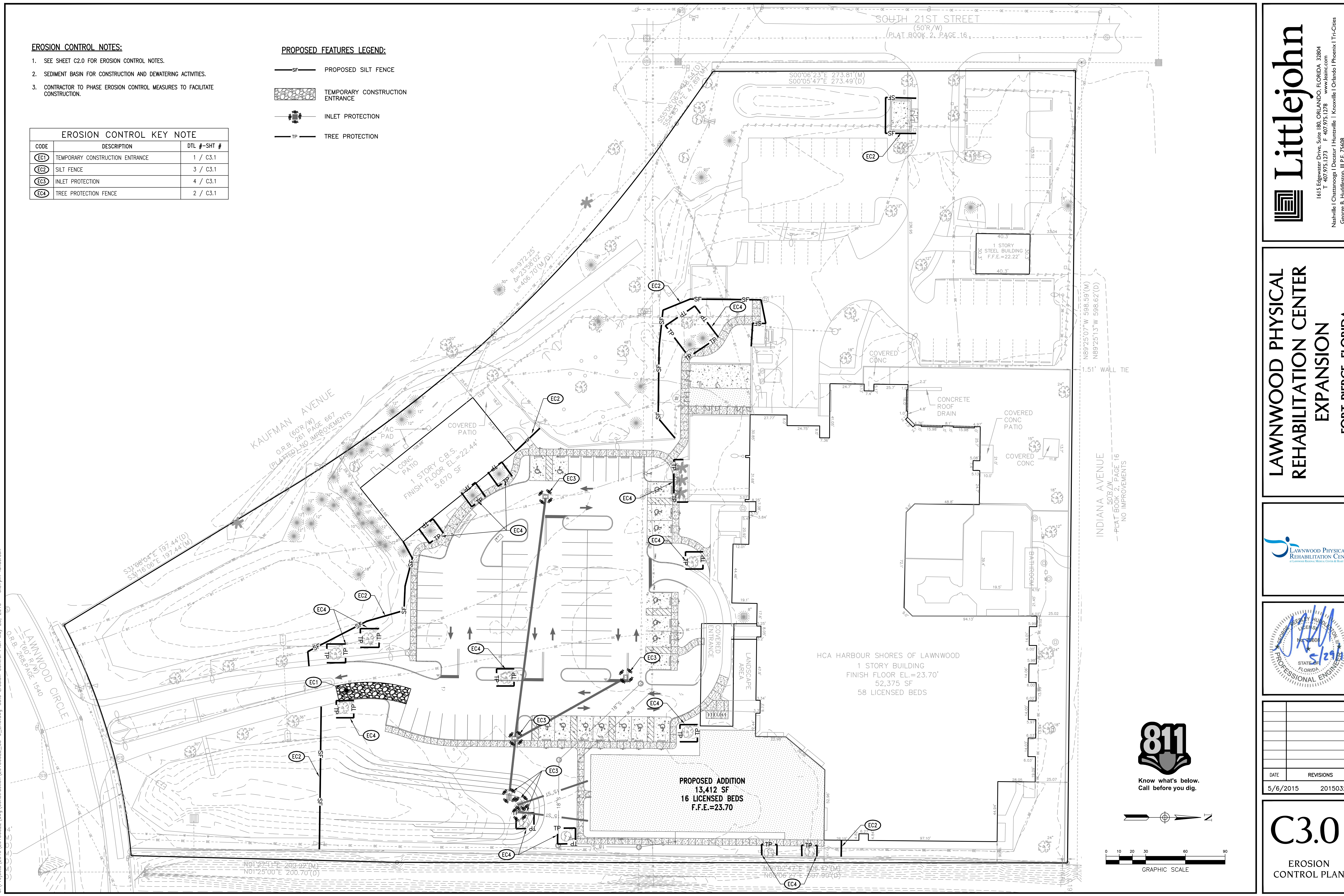
EROSION CONTROL NOTES:

1. SEE SHEET C2.0 FOR EROSION CONTROL NOTES.
2. SEDIMENT BASIN FOR CONSTRUCTION AND DEWATERING ACTIVITIES.
3. CONTRACTOR TO PHASE EROSION CONTROL MEASURES TO FACILITATE CONSTRUCTION.

PROPOSED FEATURES LEGEND:

-  PROPOSED SILT FENCE
-  TEMPORARY CONSTRUCTION ENTRANCE
-  INLET PROTECTION
-  TREE PROTECTION

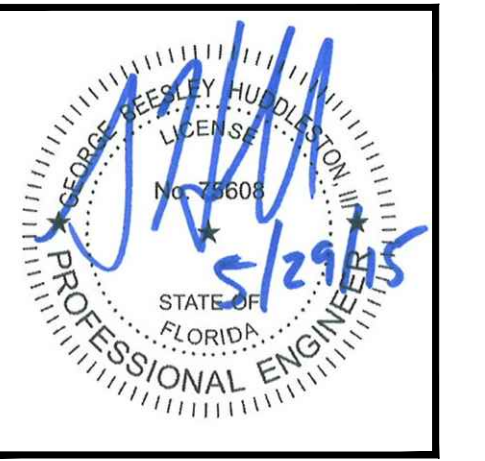
EROSION CONTROL KEY NOTE		
CODE	DESCRIPTION	DTL #--SHT #
EC1	TEMPORARY CONSTRUCTION ENTRANCE	1 / C3.1
EC2	SILT FENCE	3 / C3.1
EC3	INLET PROTECTION	4 / C3.1
EC4	TREE PROTECTION FENCE	2 / C3.1



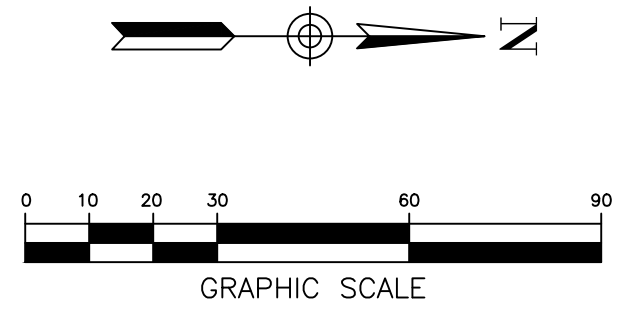
G:\Projects\2015\20150322.dwg Construction\20150322_C3-0_ER0.dwg-C3.0 Erosion Control Plan May 28, 2015 - 5:37pm ianderson

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C3.0
 EROSION CONTROL PLAN

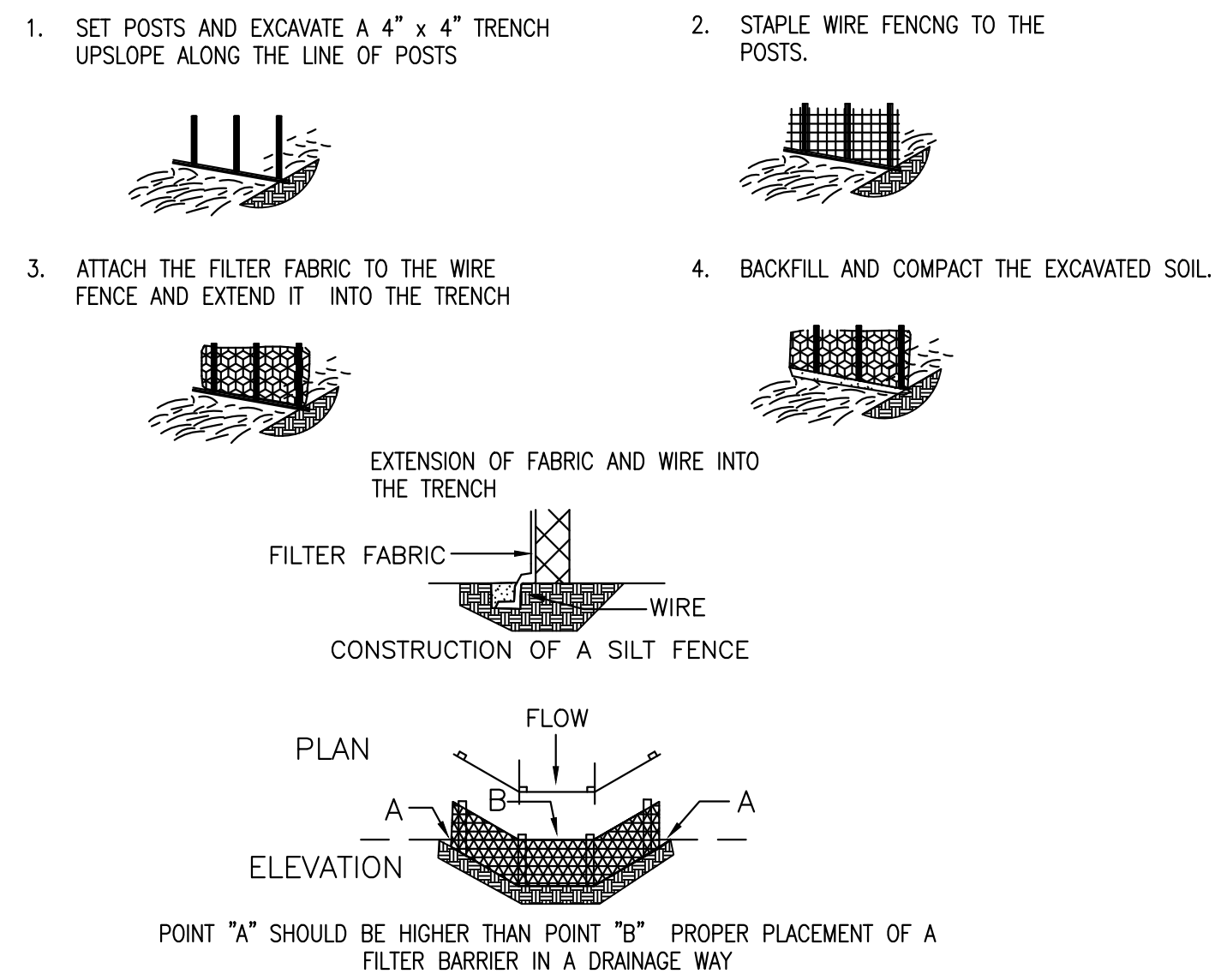
G:\Projects\2015\20150322.dwg Construction\20150322_C3-0_ER0.dwg-C3.1 Erosion Control Details May 28, 2015 - 5:37pm landerson

5

RESERVED
NOT TO SCALE

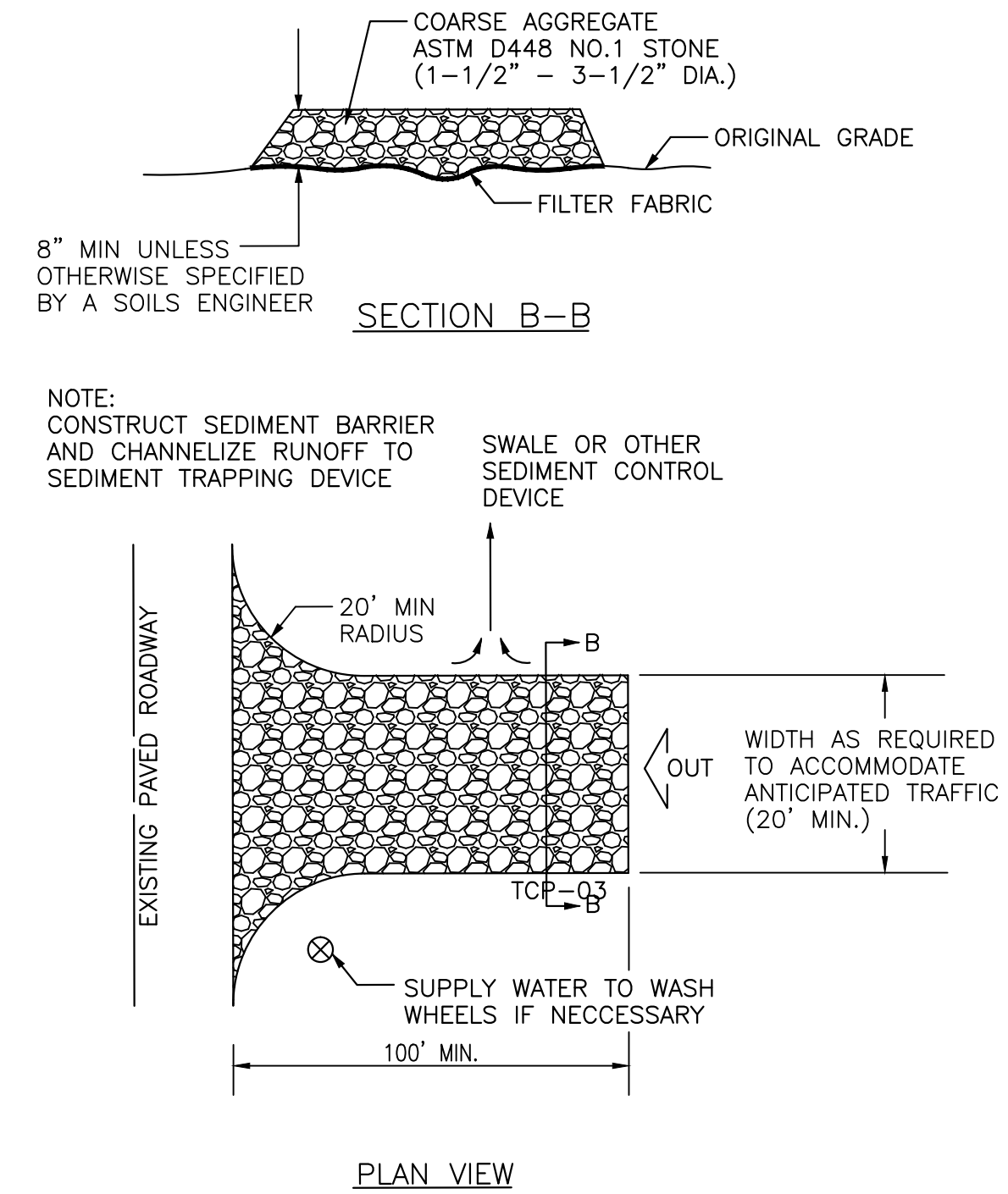
3

SILT FENCE
NOT TO SCALE



1

TEMPORARY CONSTRUCTION ENTRANCE
NOT TO SCALE

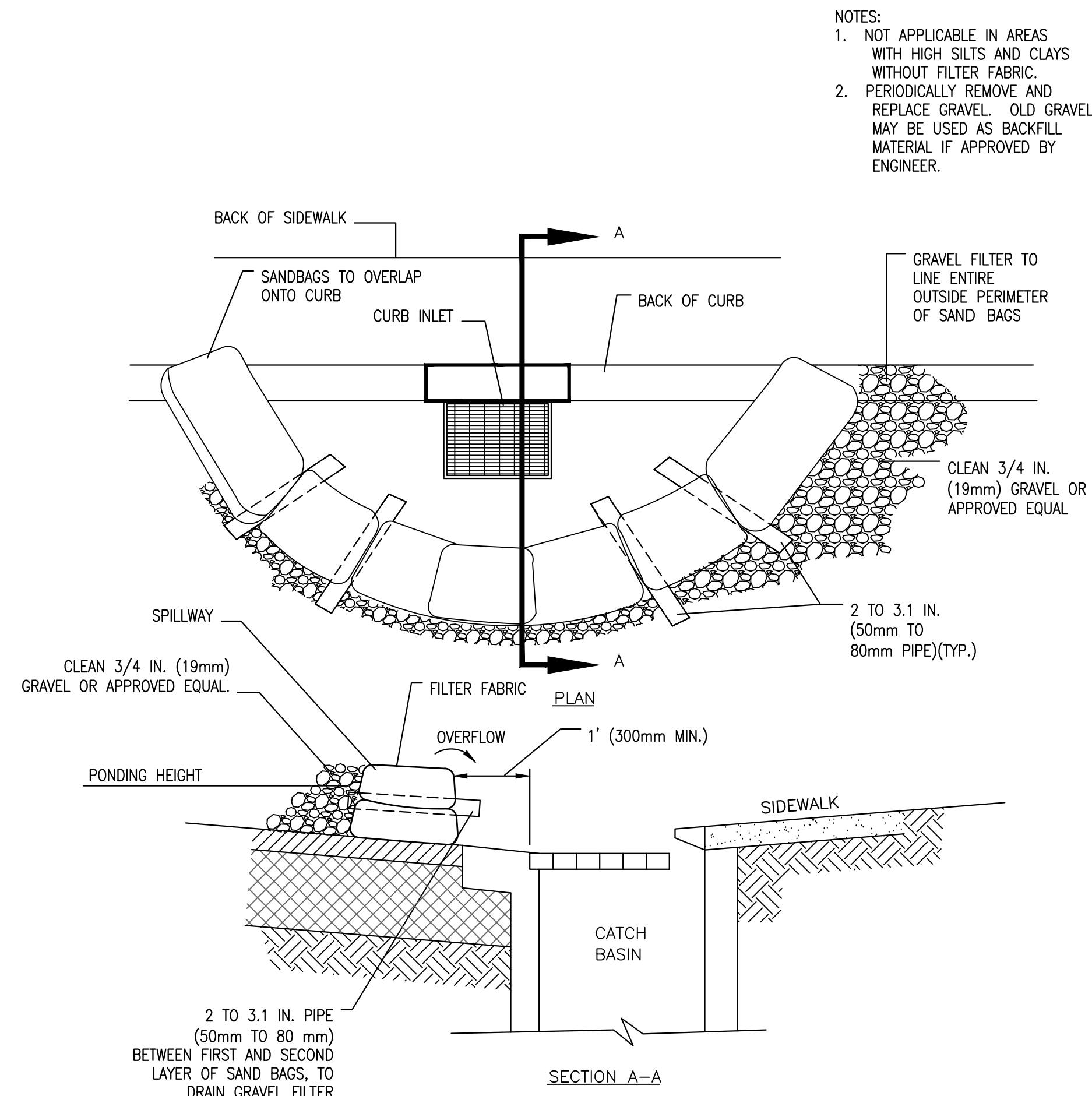


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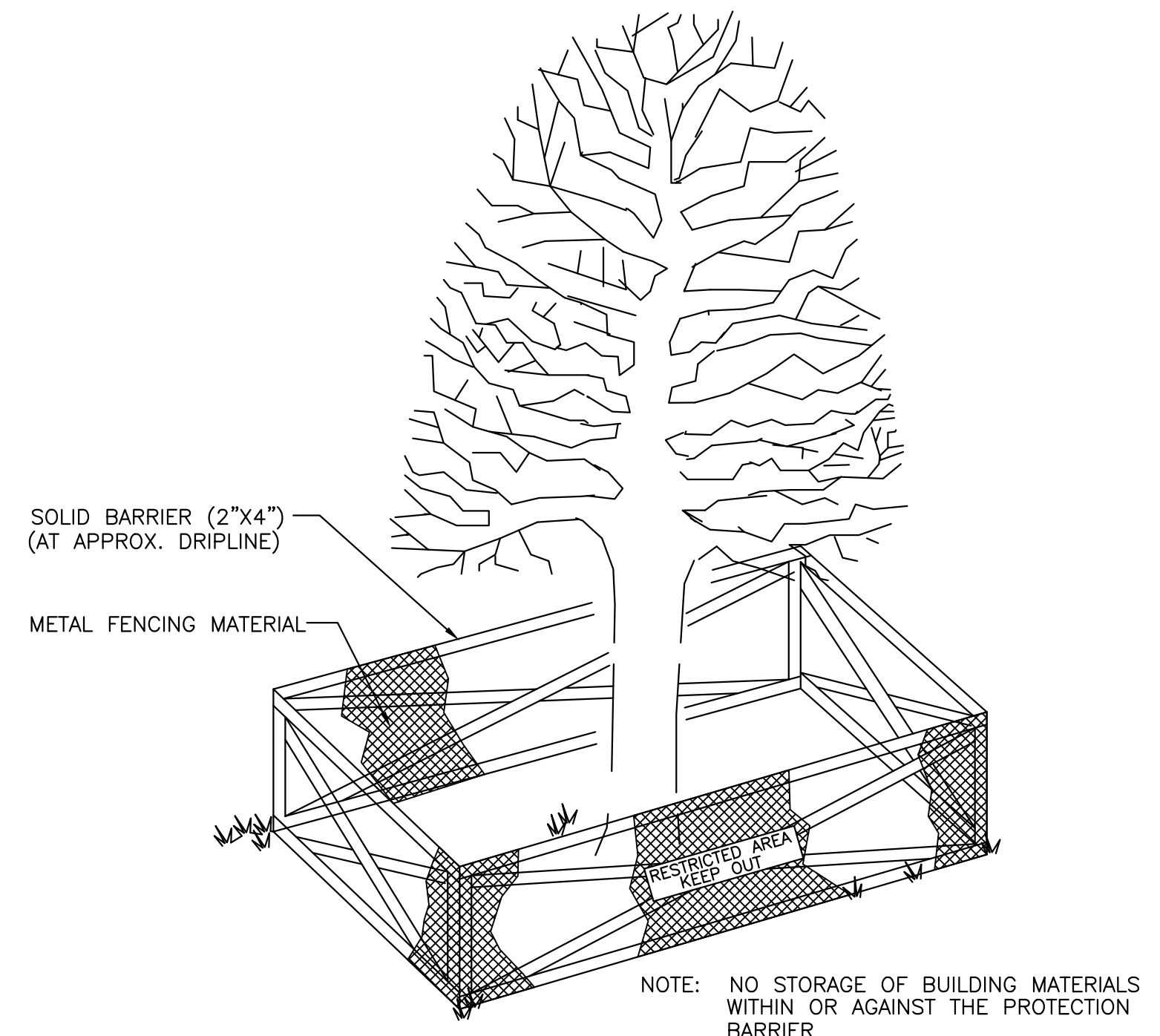
4

INLET PROTECTION
NOT TO SCALE



2

TREE PROTECTION
NOT TO SCALE

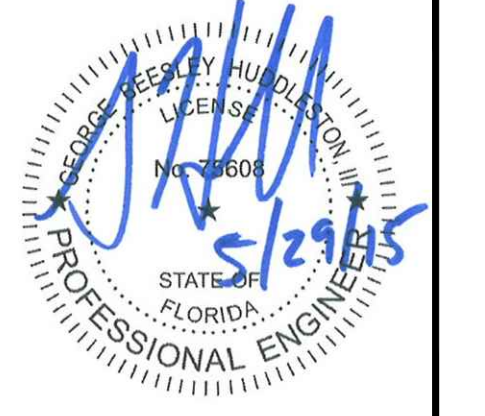
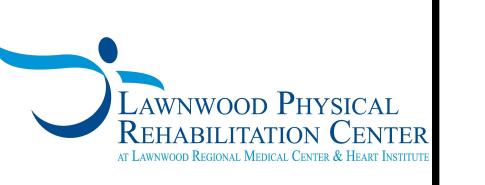


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LAWNWOOD PHYSICAL REHABILITATION CENTER EXPANSION FORT PIERCE, FLORIDA



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C3.1
EROSION CONTROL DETAILS

DEMOLITION KEY NOTE		
CODE	DESCRIPTION	DTL #/SHT #
D1	REMOVE EXISTING ASPHALT PAVEMENT	
D2b	REMOVE EXISTING CONCRETE SIDEWALK	
D3	REMOVE EXISTING CURB	
D4	EVENLY SAWCUT	
D6	REMOVE EXISTING DRAINAGE STRUCTURE	
D7	REMOVE EXISTING STORM LINE	
D8	REMOVE EXISTING WATER LINE & APPURTENANCES	
D9	REMOVE EXISTING SANITARY SEWER LINE	
D10	REMOVE EXISTING UTILITY LINE & APPURTENANCES	
D11	EXISTING UTILITY LINE TO BE ABANDONED IN PLACE	
D12	EXISTING FIRE HYDRANT TO BE RELOCATED	
D13	REMOVE EXISTING TREE	
D14	LIMIT OF UTILITY REMOVAL	
D15	REMOVE EXISTING LIGHT POLE	

TREES TO BE REMOVED

SIZE/TYPE	RATIO	REPLACEMENT INCHES
14" TREE	1:1	14"
18" TREE	1:1	18"
24" TREE	1:1	24"
24" TREE	1:1	24"
TOTAL REPLACEMENT INCHES		98" DBH

TREES TO BE PRESERVED

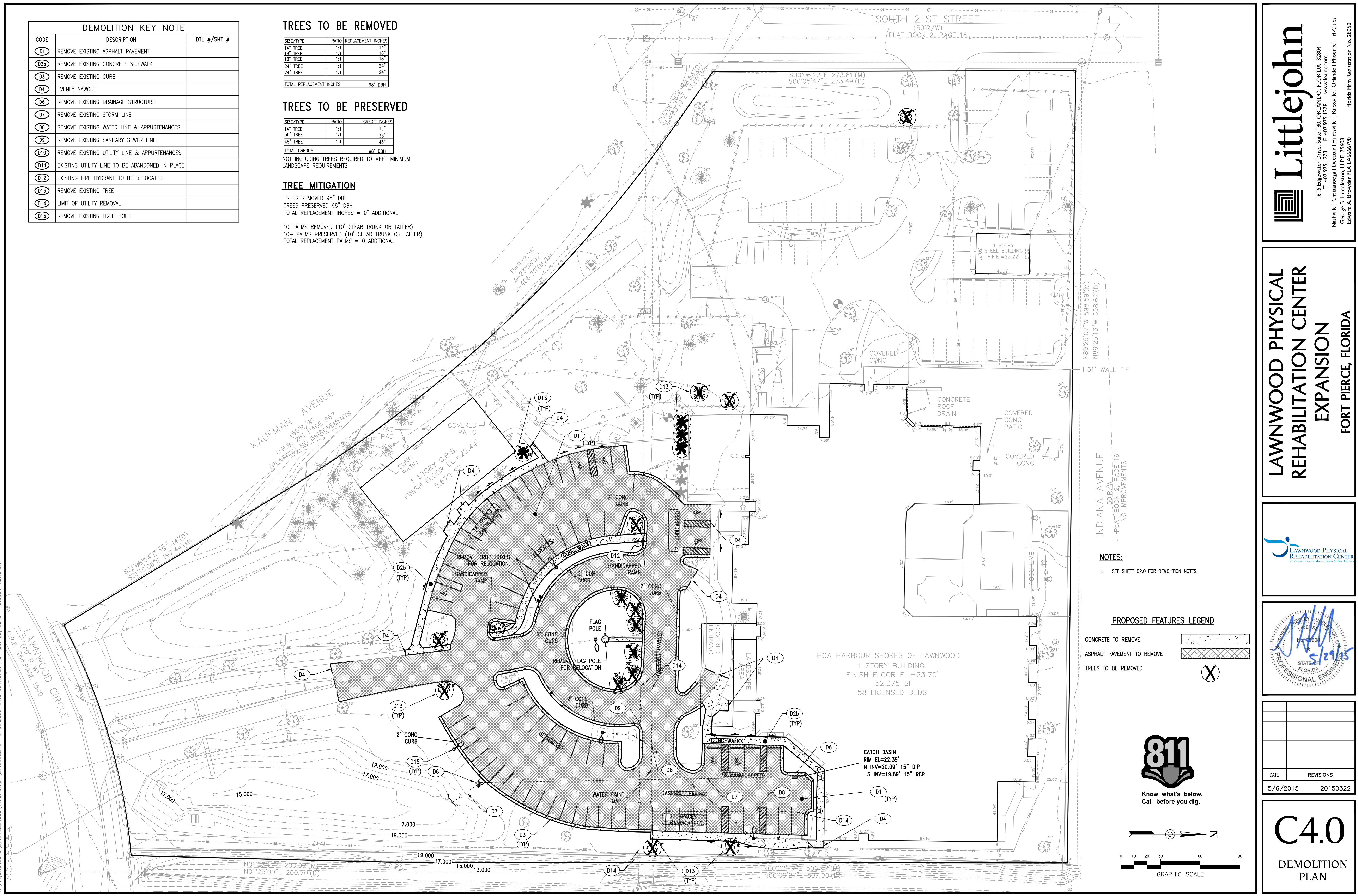
SIZE/TYPE	RATIO	CREDIT INCHES
14" TREE	1:1	12"
36" TREE	1:1	36"
48" TREE	1:1	48"
TOTAL CREDITS		98" DBH

NOT INCLUDING TREES REQUIRED TO MEET MINIMUM LANDSCAPE REQUIREMENTS

TREE MITIGATION

TREES REMOVED 98" DBH
 TREES PRESERVED 98" DBH
 TOTAL REPLACEMENT INCHES = 0" ADDITIONAL

10 PALMS REMOVED (10' CLEAR TRUNK OR TALLER)
 10+ PALMS PRESERVED (10' CLEAR TRUNK OR TALLER)
 TOTAL REPLACEMENT PALMS = 0 ADDITIONAL



NOTES:

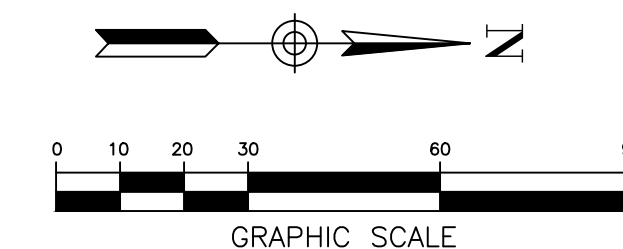
- SEE SHEET C2.0 FOR DEMOLITION NOTES.

PROPOSED FEATURES LEGEND

- CONCRETE TO REMOVE [Hatched Pattern]
- ASPHALT PAVEMENT TO REMOVE [Cross-hatched Pattern]
- TREES TO BE REMOVED [X Symbol]

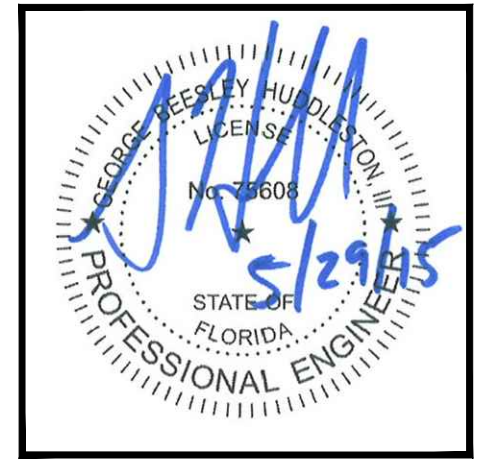


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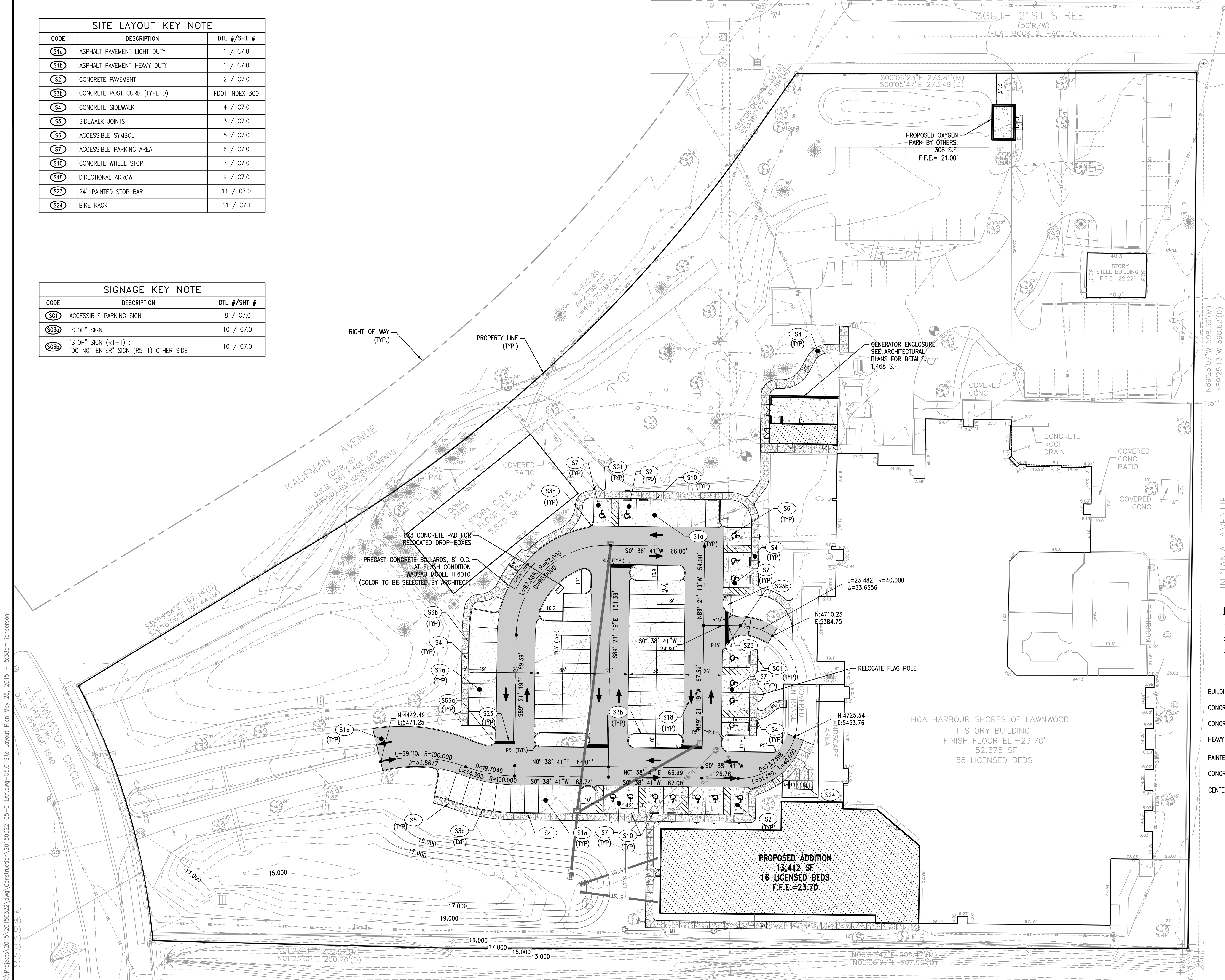
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C4.0 DEMOLITION PLAN

G:\Projects\2015\20150322.dwg Construction\20150322_C4-0_DEM.dwg-C4.0 Demolition Plan May 28, 2015 - 5:38pm landerson

SITE LAYOUT KEY NOTE		
CODE	DESCRIPTION	DTL #/SHT #
S1a	ASPHALT PAVEMENT LIGHT DUTY	1 / C7.0
S1b	ASPHALT PAVEMENT HEAVY DUTY	1 / C7.0
S2	CONCRETE PAVEMENT	2 / C7.0
S3b	CONCRETE POST CURB (TYPE D)	FOOT INDEX 300
S4	CONCRETE SIDEWALK	4 / C7.0
S5	SIDEWALK JOINTS	3 / C7.0
S6	ACCESSIBLE SYMBOL	5 / C7.0
S7	ACCESSIBLE PARKING AREA	6 / C7.0
S10	CONCRETE WHEEL STOP	7 / C7.0
S18	DIRECTIONAL ARROW	9 / C7.0
S23	24" PAINTED STOP BAR	11 / C7.0
S24	BIKE RACK	11 / C7.1

SIGNAGE KEY NOTE		
CODE	DESCRIPTION	DTL #/SHT #
SG1	ACCESSIBLE PARKING SIGN	8 / C7.0
SG3a	"STOP" SIGN (R1-1)	10 / C7.0
SG3b	"STOP" SIGN (R1-1) ; "DO NOT ENTER" SIGN (R5-1) OTHER SIDE	10 / C7.0



NOTES:

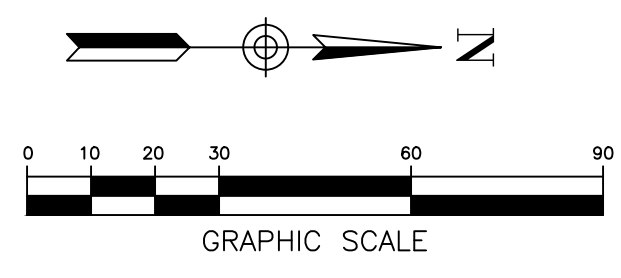
- SEE SHEET C2.0 FOR GENERAL SITE NOTES.
- SEE SHEET C2.0 FOR SITE DATA NOTES.
- ALL CONSTRUCTION SHALL COMPLY WITH THE CITY OF FORT PIERCE CODE OF ORDINANCES SECTIONS 17 AND 22.

PROPOSED FEATURES LEGEND

BUILDING	
CONCRETE PAVEMENT	
CONCRETE SIDEWALK	
HEAVY DUTY PAVEMENT	
PAINTED STRIPE	
CONCRETE CURB	
CENTERLINE	

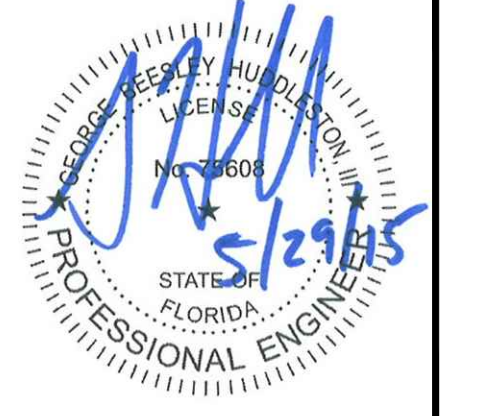
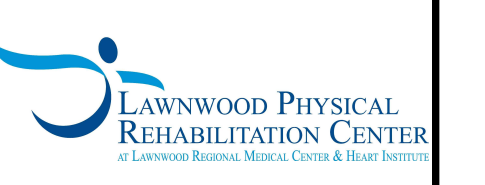


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**LAWNWOOD PHYSICAL
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EXPANSION
FORT PIERCE, FLORIDA**



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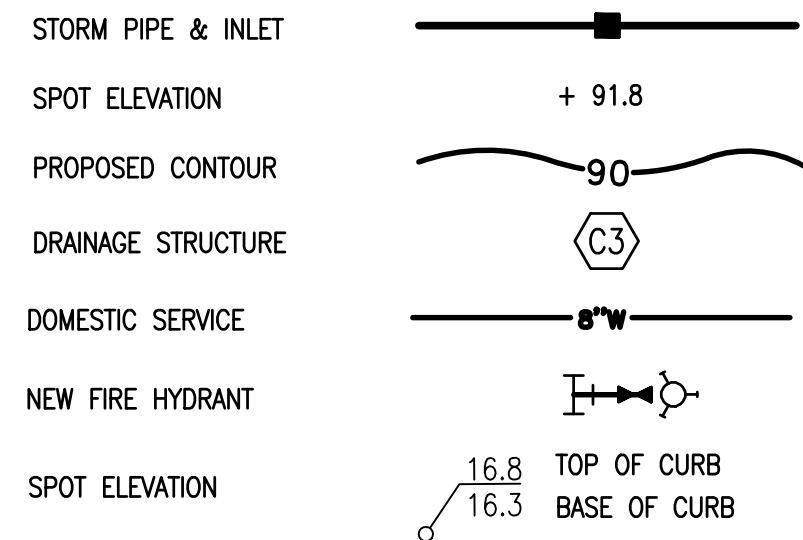
**C5.0
SITE LAYOUT
PLAN**

G:\Projects\2015\20150322.dwg Construction\20150322_C5-0_LAY.dwg-C5.0 Site Layout Plan May 28, 2015 - 5:38pm anderson

NOTES:

- SEE SHEET C2.0 FOR GRADING & DRAINAGE NOTES.
- SEE SHEET C2.0 FOR UTILITY NOTES.
- ALL ELEVATIONS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

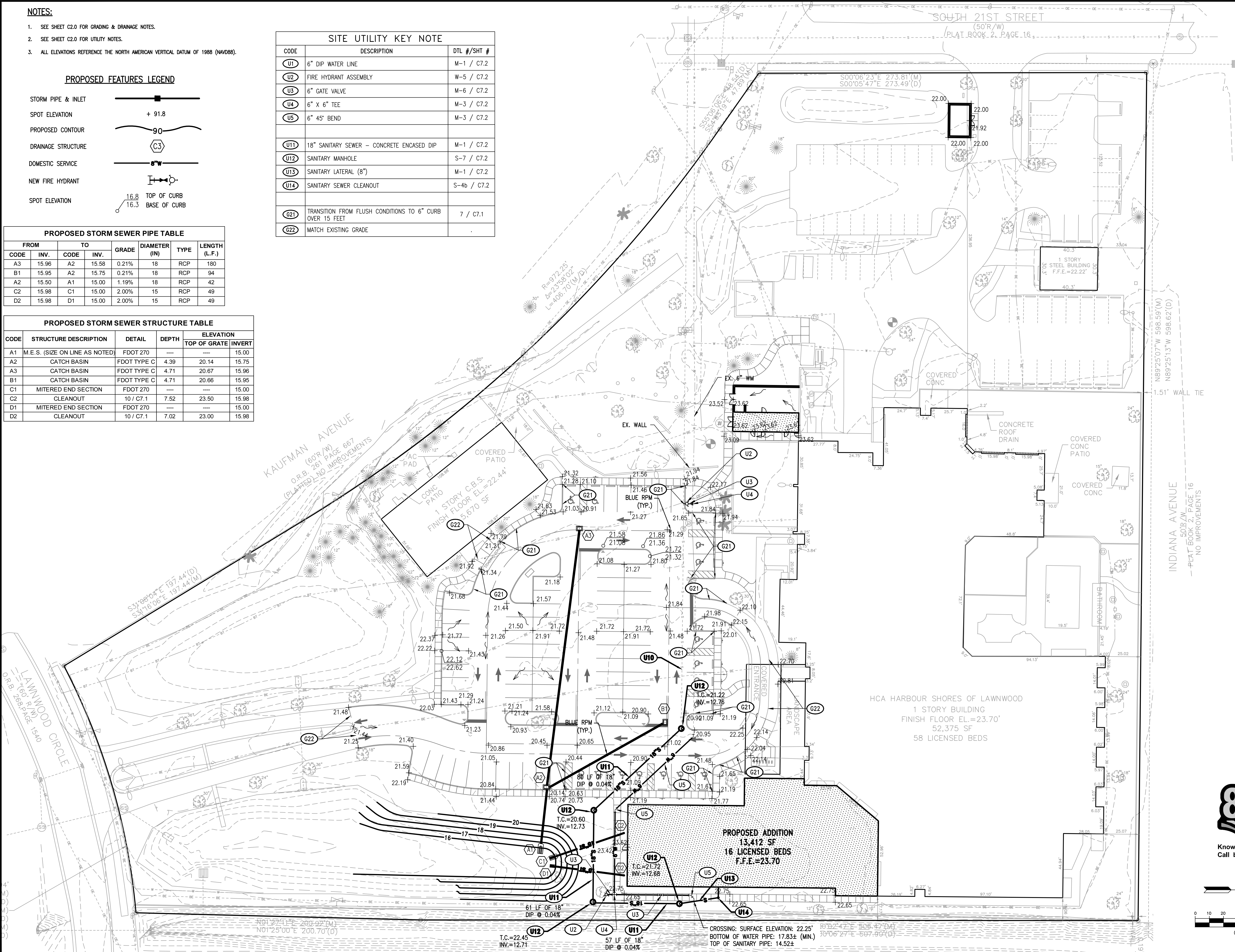
PROPOSED FEATURES LEGEND



CODE	DESCRIPTION	DTL #/SHT #
U1	6" DIP WATER LINE	M-1 / C7.2
U2	FIRE HYDRANT ASSEMBLY	W-5 / C7.2
U3	6" GATE VALVE	M-6 / C7.2
U4	6" X 6" TEE	M-3 / C7.2
U5	6" 45° BEND	M-3 / C7.2
U11	18" SANITARY SEWER - CONCRETE ENCASED DIP	M-1 / C7.2
U12	SANITARY MANHOLE	S-7 / C7.2
U13	SANITARY LATERAL (8")	M-1 / C7.2
U14	SANITARY SEWER CLEANOUT	S-4b / C7.2
G21	TRANSITION FROM FLUSH CONDITIONS TO 6" CURB OVER 15 FEET	7 / C7.1
G22	MATCH EXISTING GRADE	

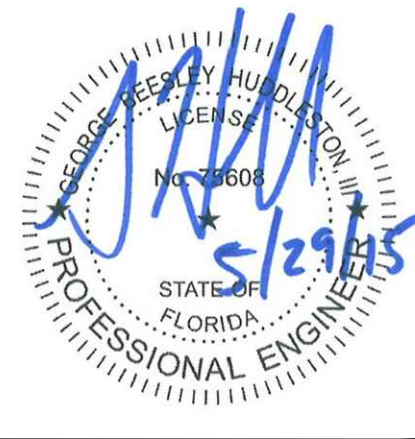
PROPOSED STORM SEWER PIPE TABLE					
FROM CODE	FROM INV.	TO CODE	TO INV.	GRADE	LENGTH (L.F.)
A3	15.96	A2	15.58	0.21%	180
B1	15.95	A2	15.75	0.21%	94
A2	15.50	A1	15.00	1.19%	42
C2	15.98	C1	15.00	2.00%	49
D2	15.98	D1	15.00	2.00%	49

PROPOSED STORM SEWER STRUCTURE TABLE					
CODE	STRUCTURE DESCRIPTION	DETAIL	DEPTH	ELEVATION	
				TOP OF GRATE	INVERT
A1	M.E.S. (SIZE ON LINE AS NOTED)	FDOT 270	----	----	15.00
A2	CATCH BASIN	FDOT TYPE C	4.39	20.14	15.75
A3	CATCH BASIN	FDOT TYPE C	4.71	20.67	15.98
B1	CATCH BASIN	FDOT TYPE C	4.71	20.66	15.95
C1	MITERED END SECTION	FDOT 270	----	----	15.00
C2	CLEANOUT	10 / C7.1	7.52	23.50	15.98
D1	MITERED END SECTION	FDOT 270	----	----	15.00
D2	CLEANOUT	10 / C7.1	7.02	23.00	15.98



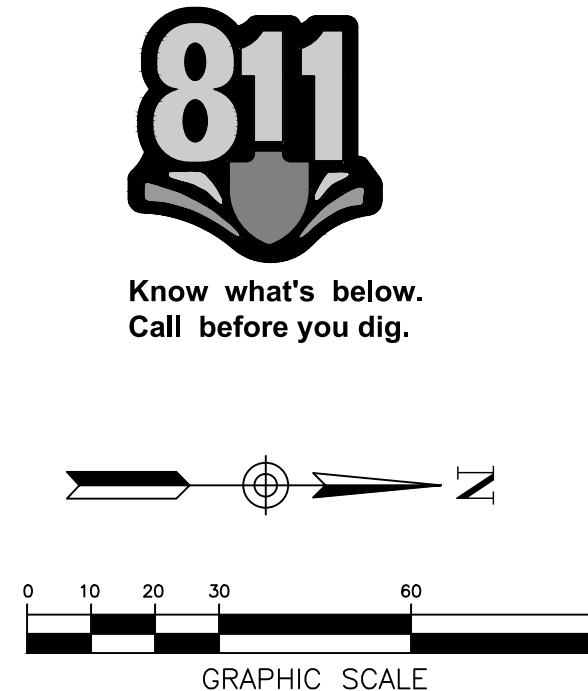
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 George B. Huddleston, III, P.E. 16469
 Edward A. Browder, P.L.A. 16466799
 Florida Firm Registration No. 28050

LAWNWOOD PHYSICAL REHABILITATION CENTER EXPANSION FORT PIERCE, FLORIDA

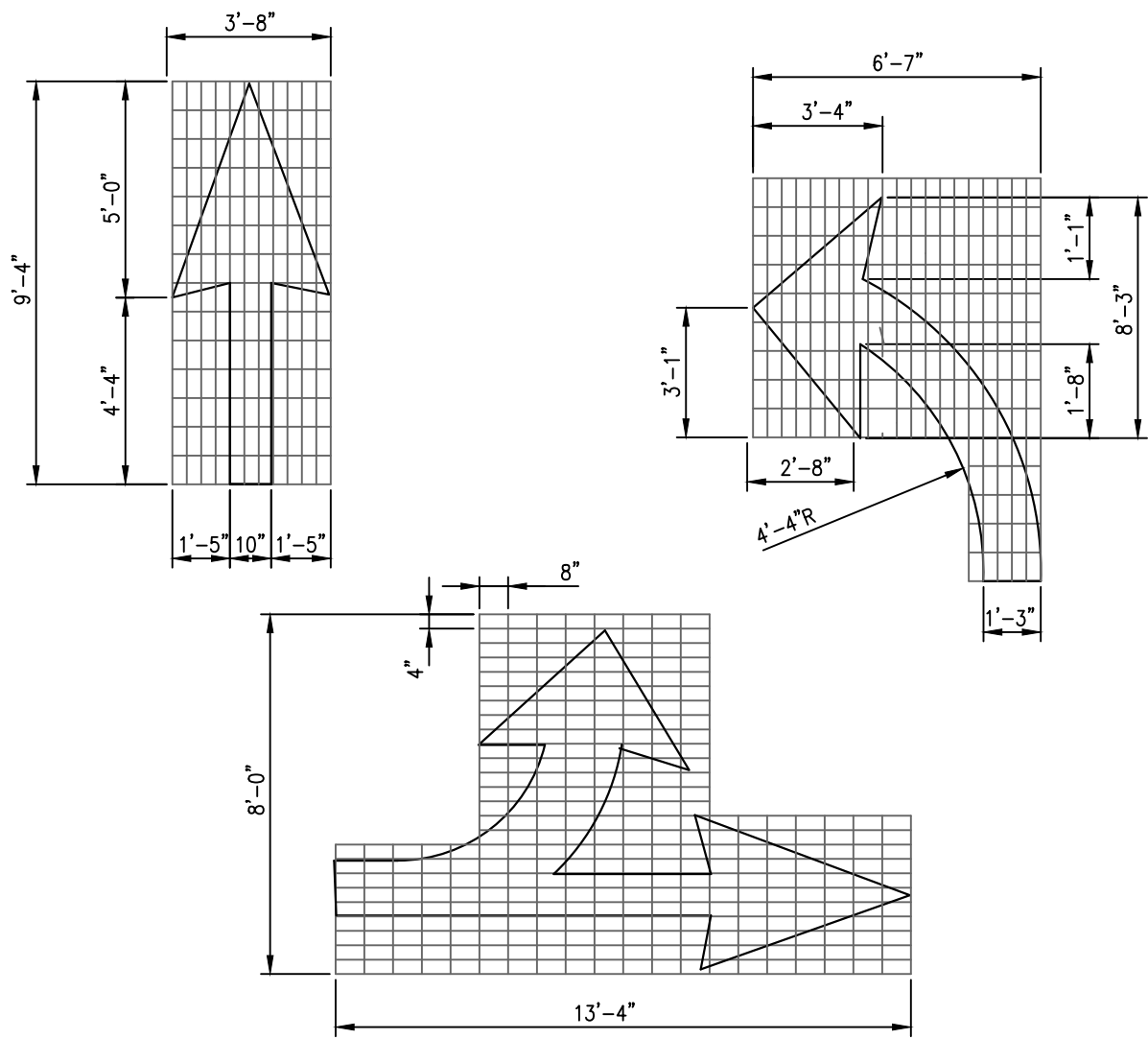


DATE	REVISIONS
5/6/2015	20150322

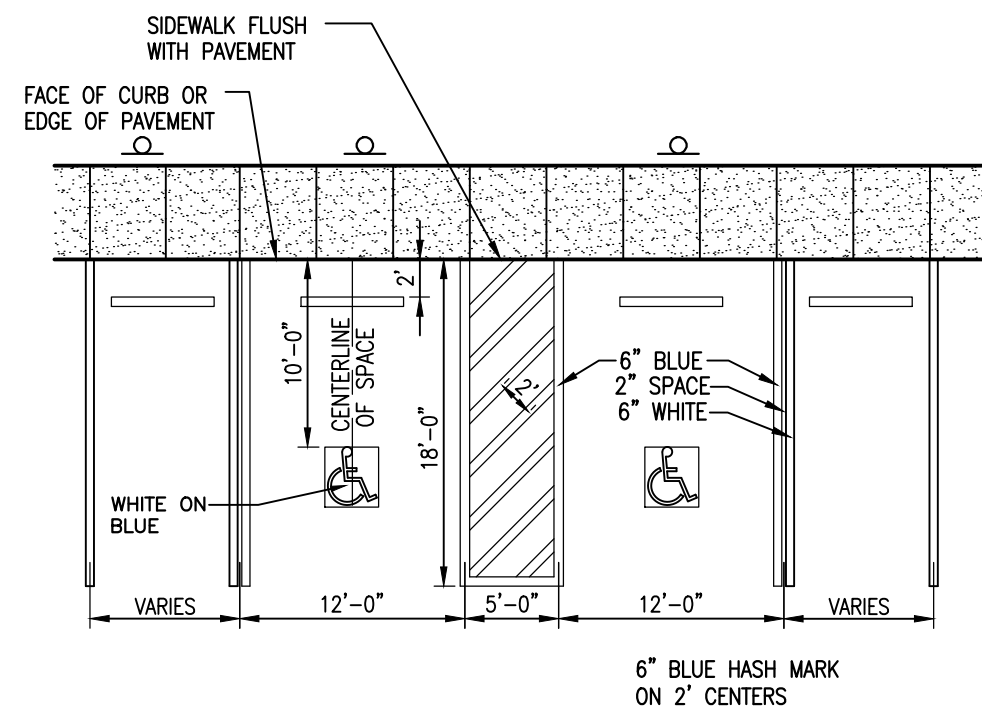
C6.0 GRADING, DRAINAGE & UTILITY PLAN



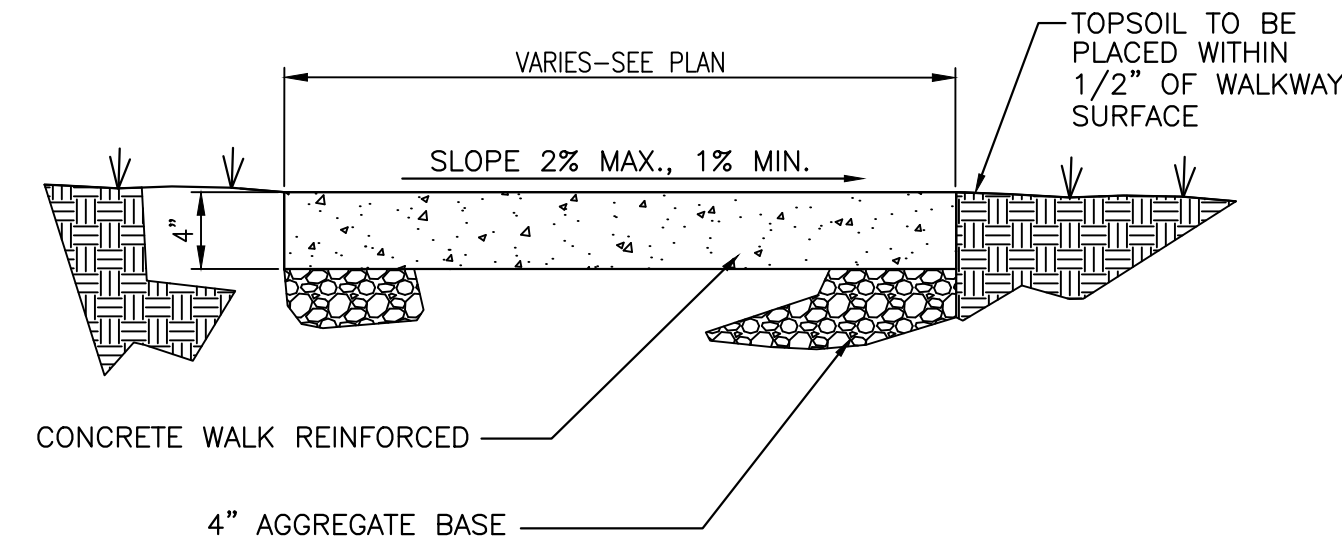
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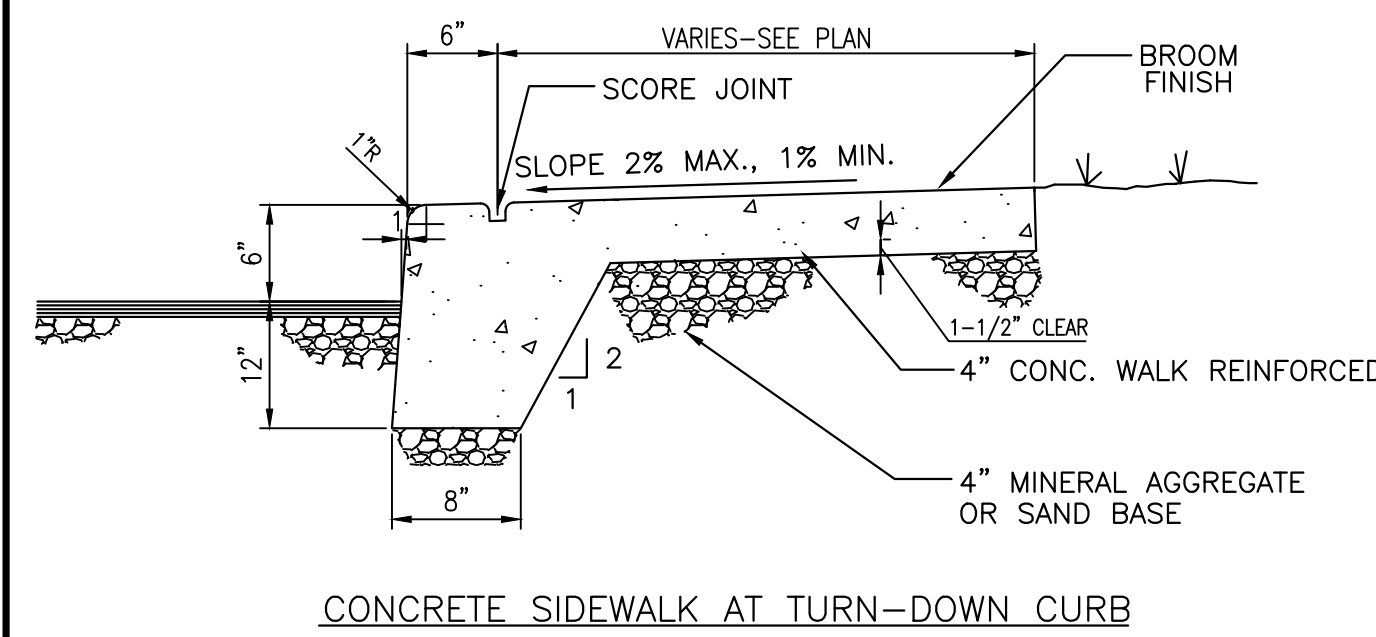
9 ROADWAY DIRECTIONAL ARROWS
NOT TO SCALE



6 FLORIDA ACCESSIBLE PARKING DETAIL
NOT TO SCALE



CONCRETE SIDEWALK IN TURF AREA

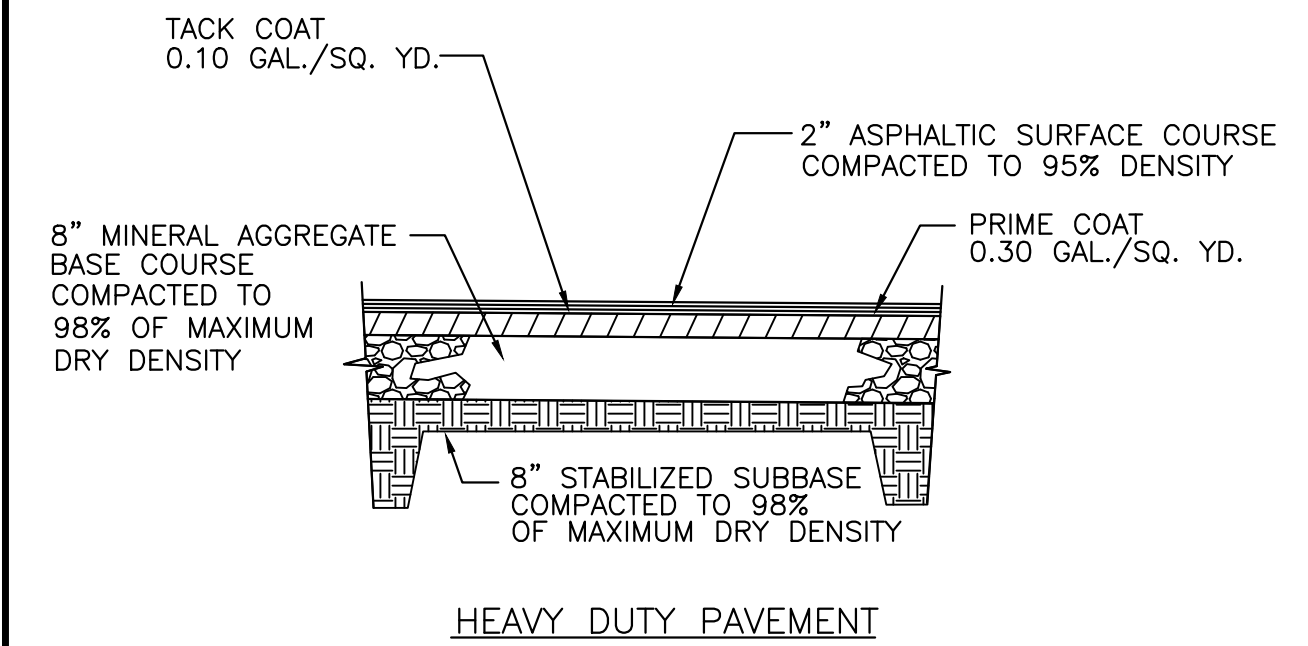


CONCRETE SIDEWALK AT TURN-DOWN CURB

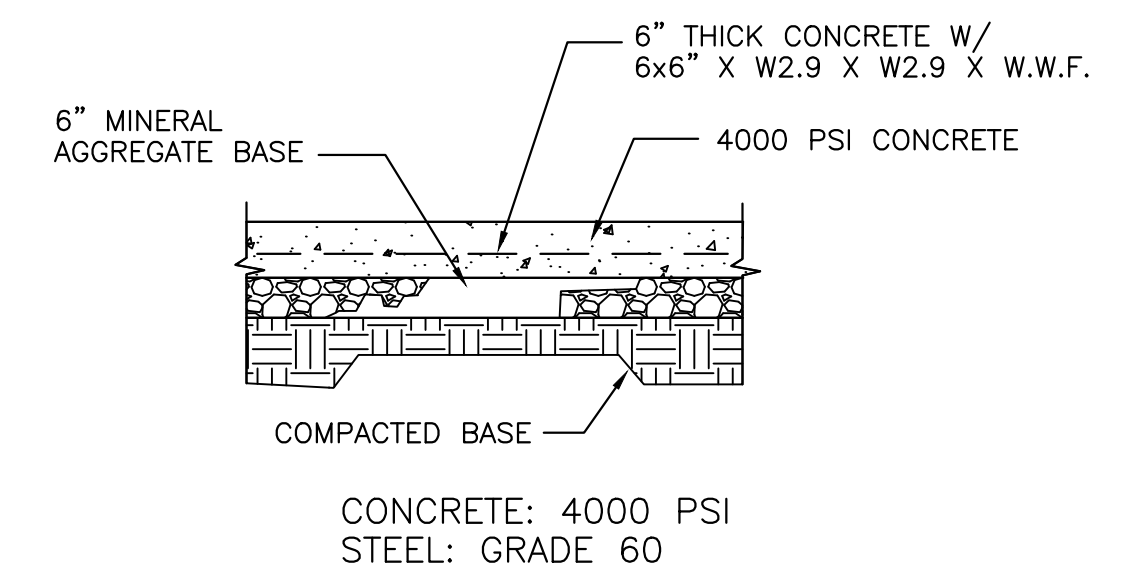
NOTE: SIDEWALK SECTION AND REINFORCEMENT TO BE PER FDOT INDEX 310 AND FDOT STANDARD SPECIFICATION SECTION 522.

USE 3500 PSI CONCRETE; PROVIDE CONTROL JOINTS @ 5' CENTERS PROVIDE EXPANSION JOINTS @ 25' CENTERS AND WHERE SIDEWALKS ABUT RIGID MATERIAL

4 CONCRETE SIDEWALK
NOT TO SCALE

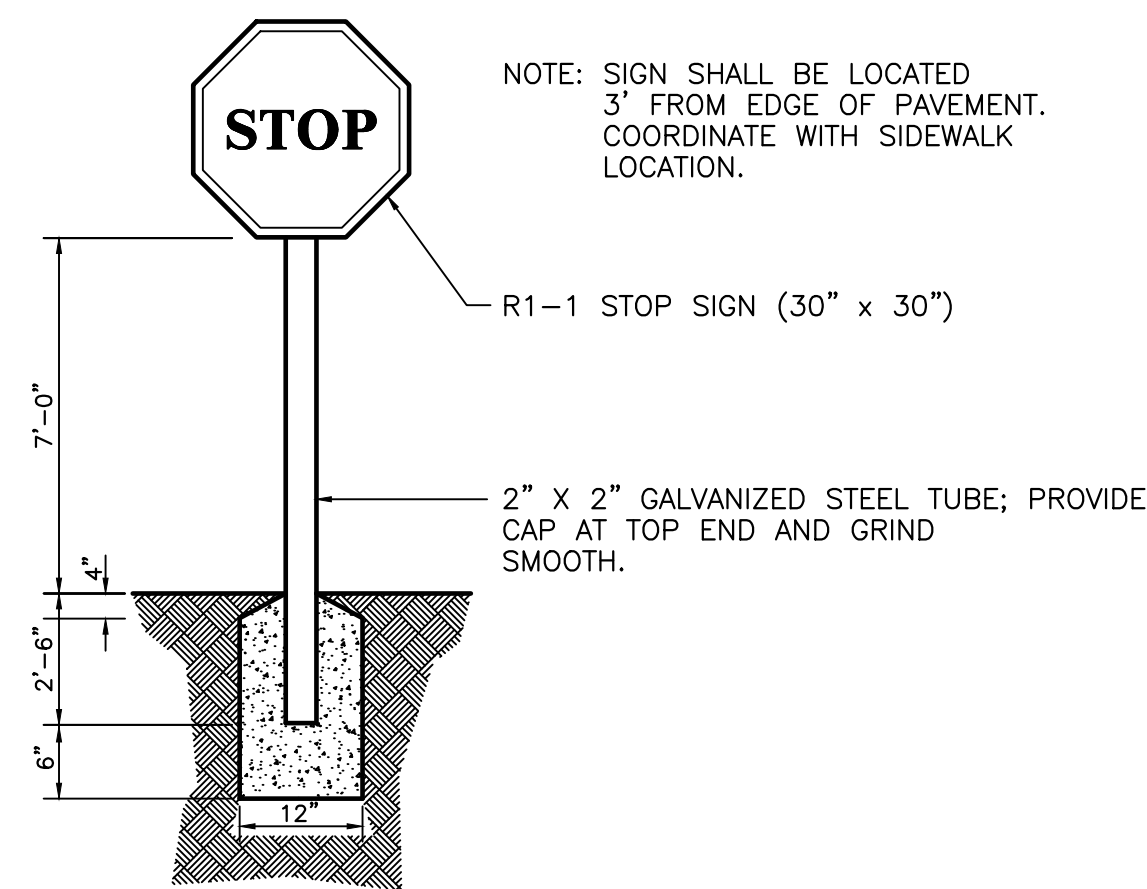


1 PAVEMENT SECTION
NOT TO SCALE

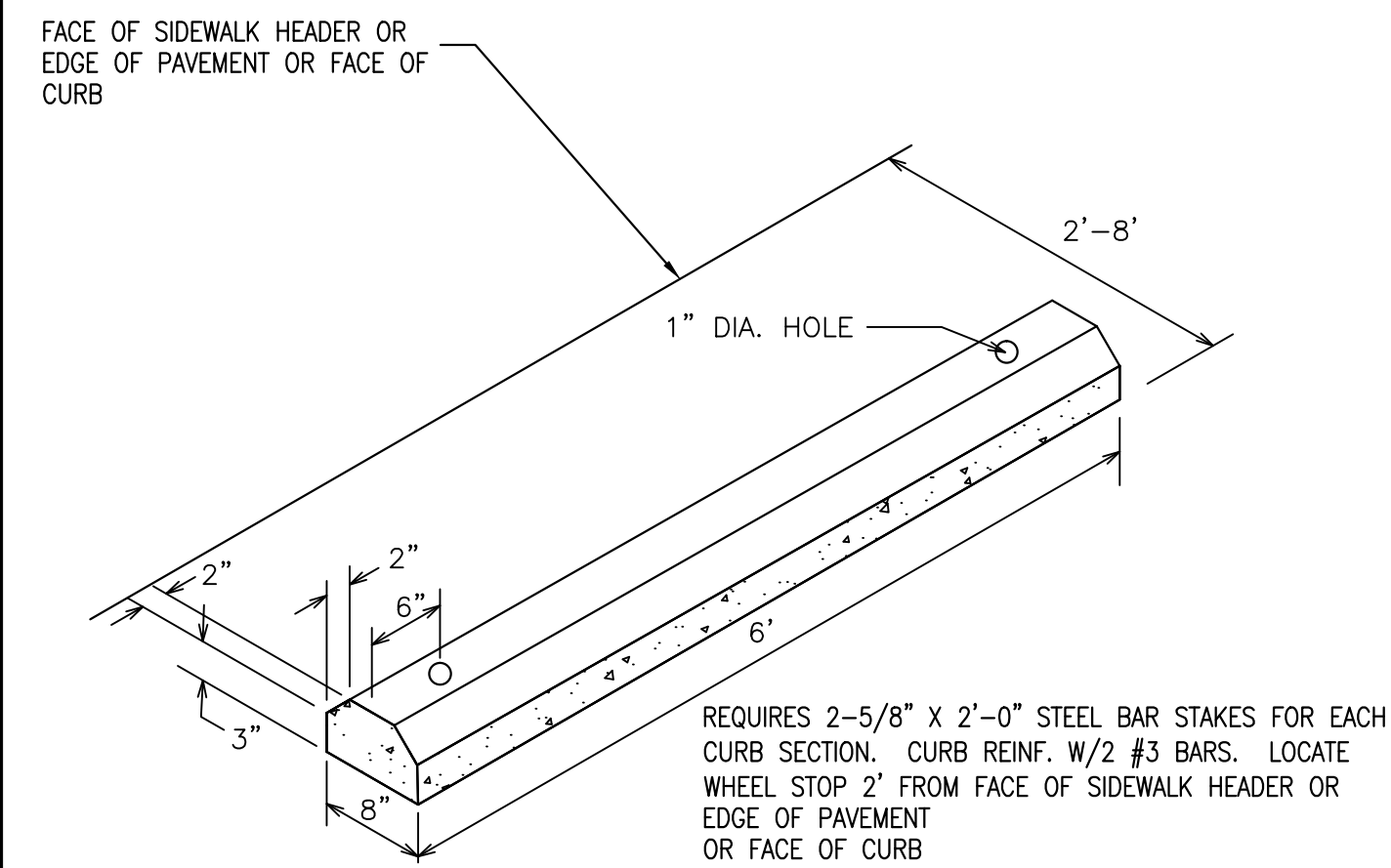


CONCRETE: 4000 PSI
STEEL: GRADE 60

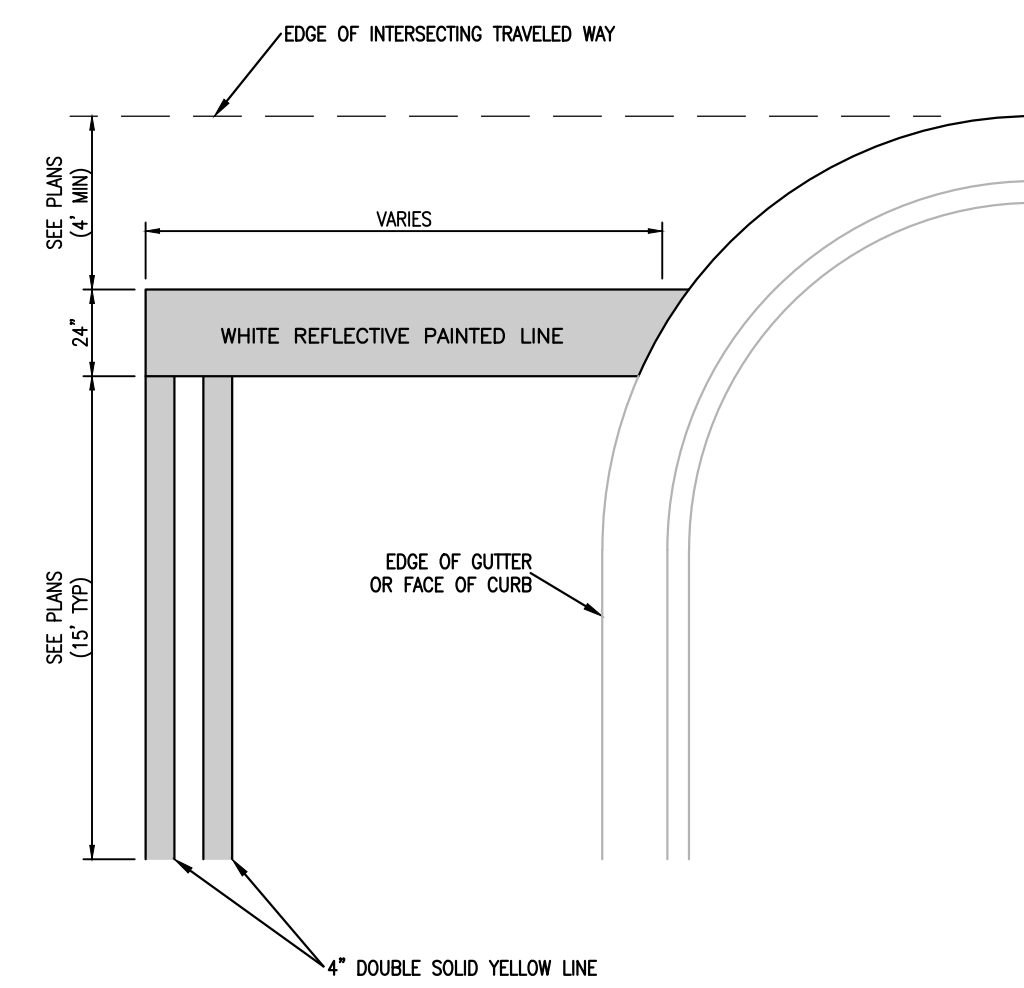
2 CONCRETE PAVEMENT
NOT TO SCALE



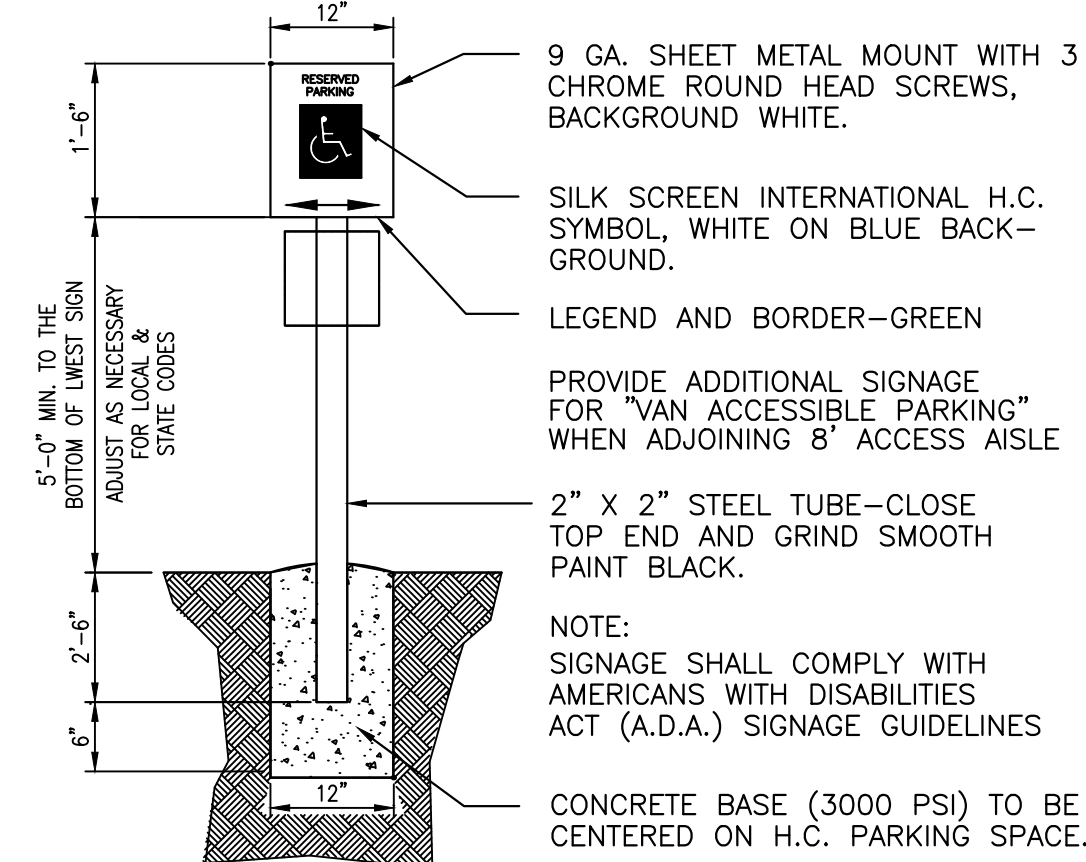
10 STOP SIGN
NOT TO SCALE



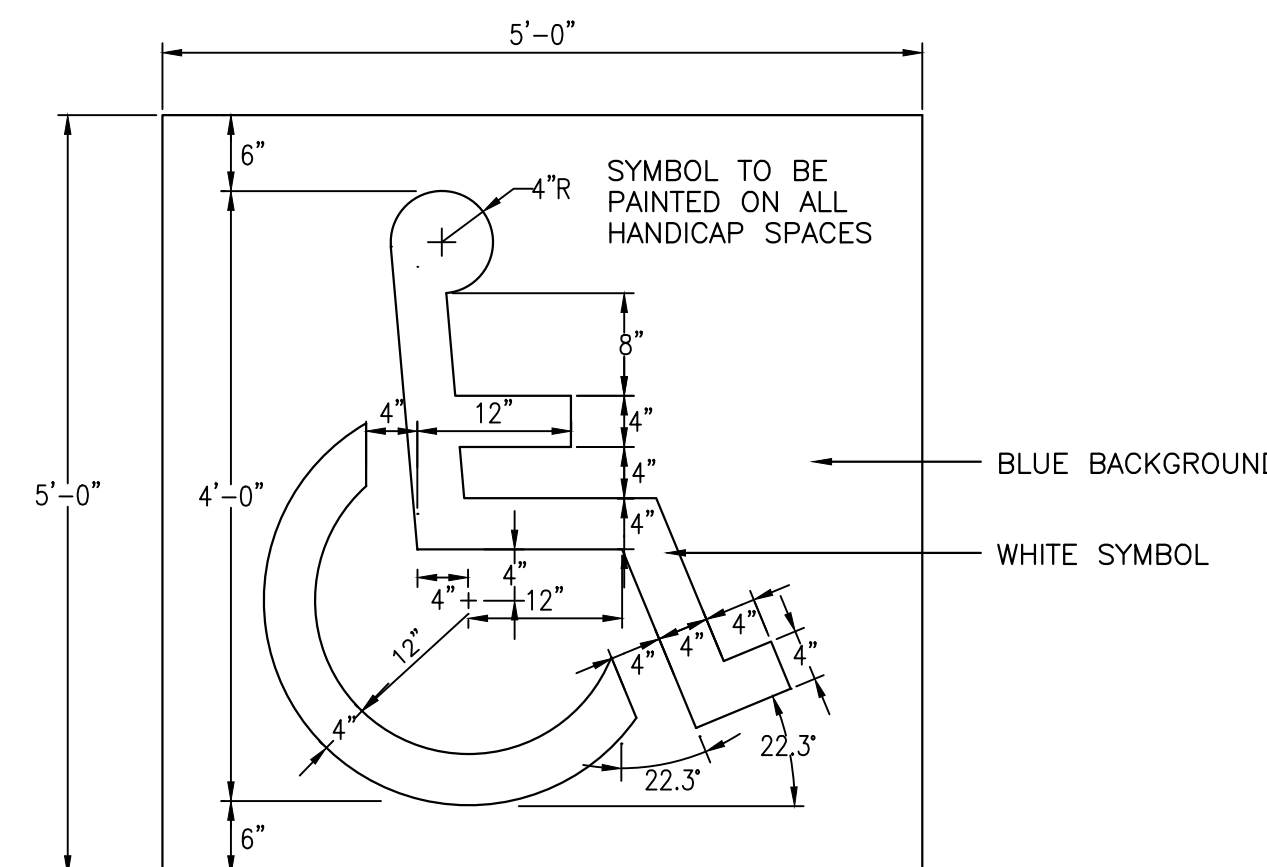
7 PRECAST CONCRETE WHEEL STOP
NOT TO SCALE



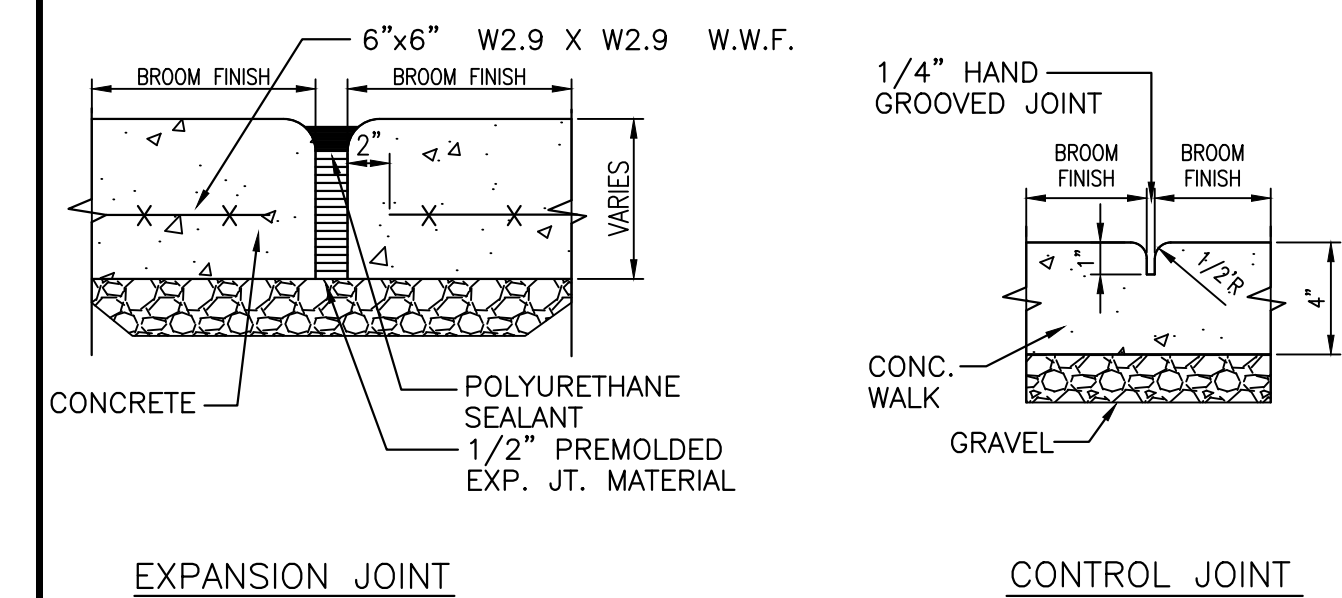
11 PAINTED STOP BAR
NOT TO SCALE



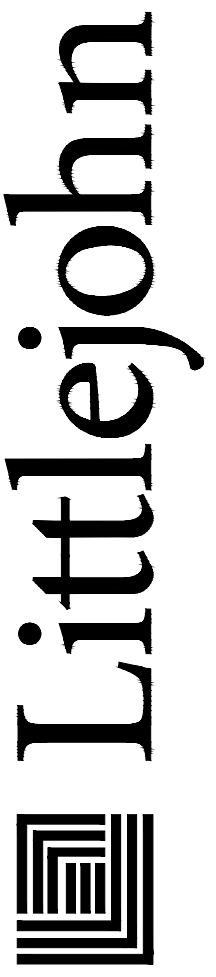
8 EXTERIOR ACCESSIBLE SIGN
NOT TO SCALE



5 PAINTED ACCESSIBLE SYMBOL
NOT TO SCALE

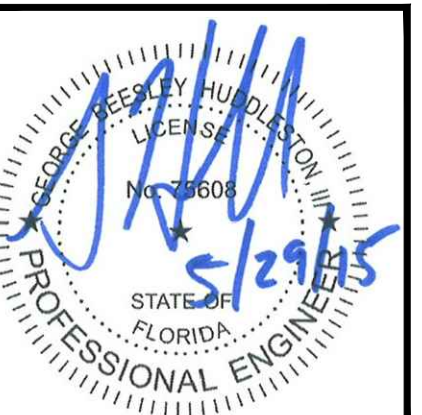
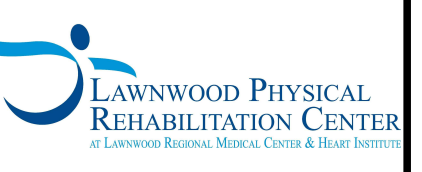


5 SIDEWALK JOINTS
NOT TO SCALE



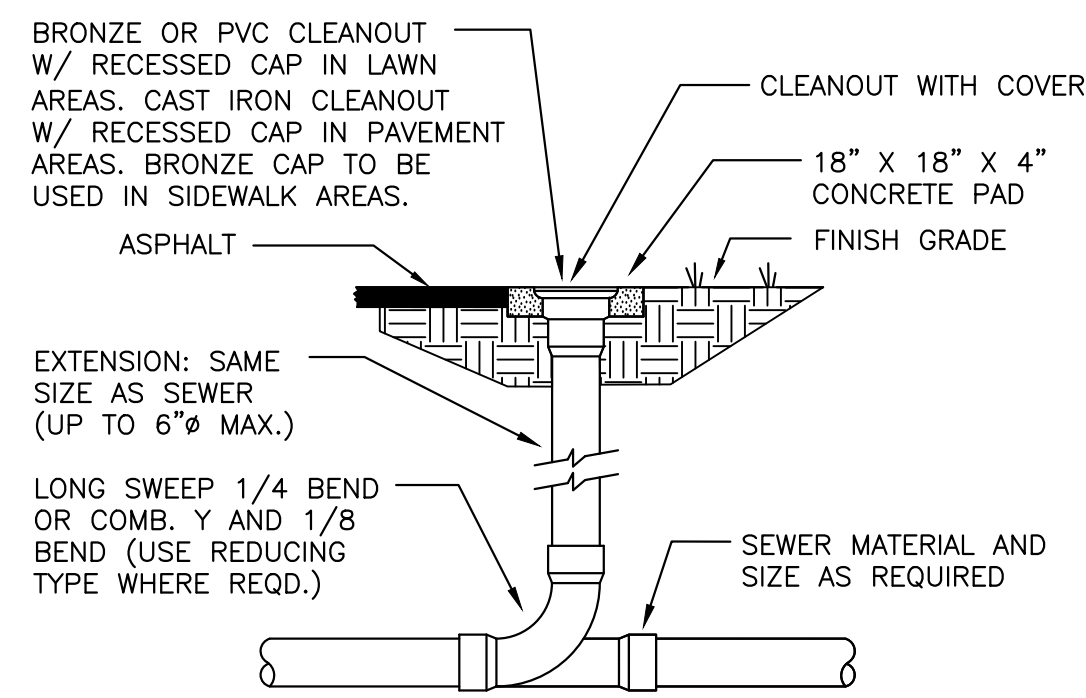
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Edward R. Browder, P.L.A. LA6666790
Florida Firm Registration No. 28050

LAWNWOOD PHYSICAL
REHABILITATION CENTER
EXPANSION
FORT PIERCE, FLORIDA



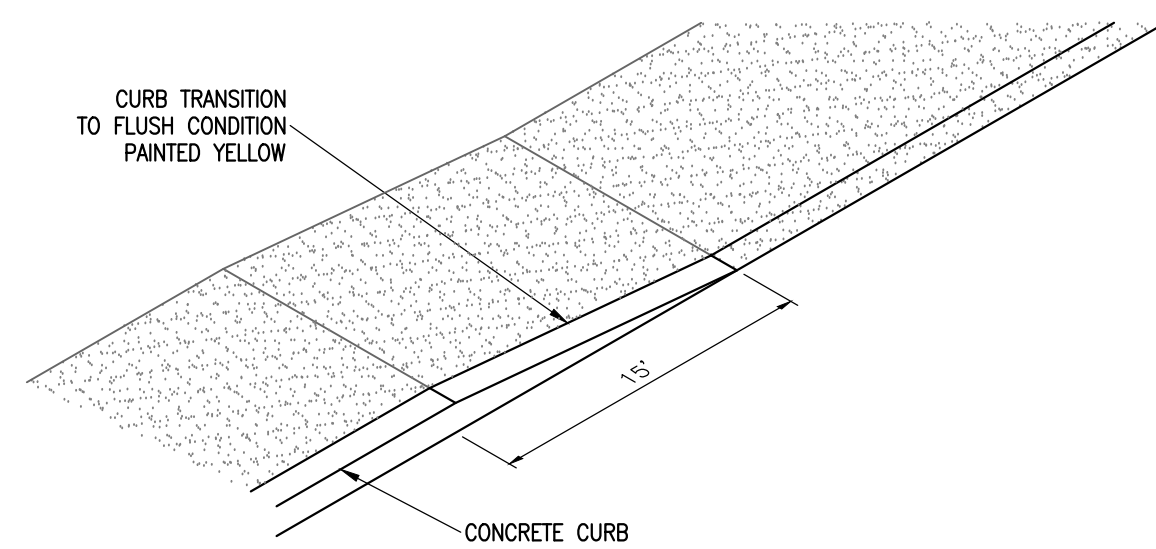
DATE	REVISIONS
5/6/2015	20150322

C7.0
DETAILS



10

CLEANOUT
NOT TO SCALE



7

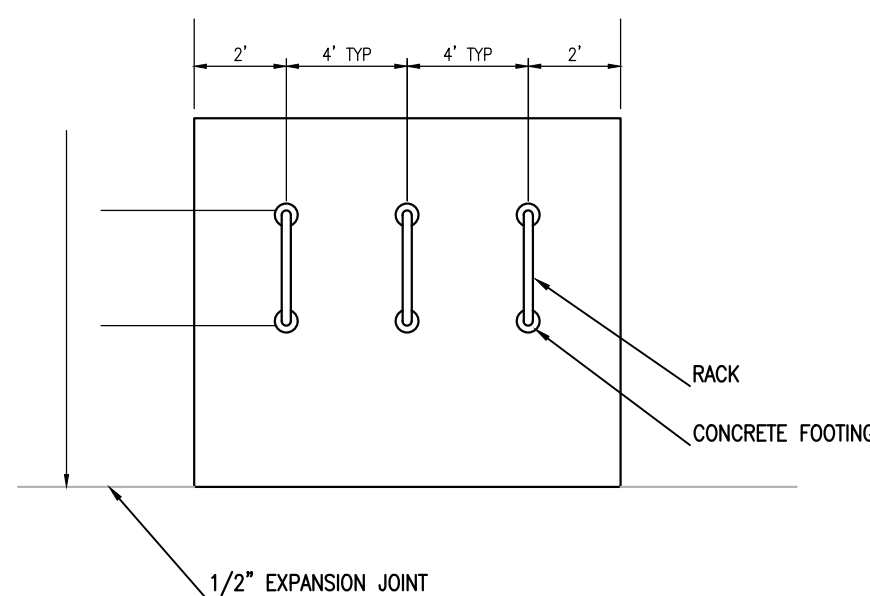
CURB TRANSITION
NOT TO SCALE

4

RESERVED
NOT TO SCALE

1

RESERVED
NOT TO SCALE



8

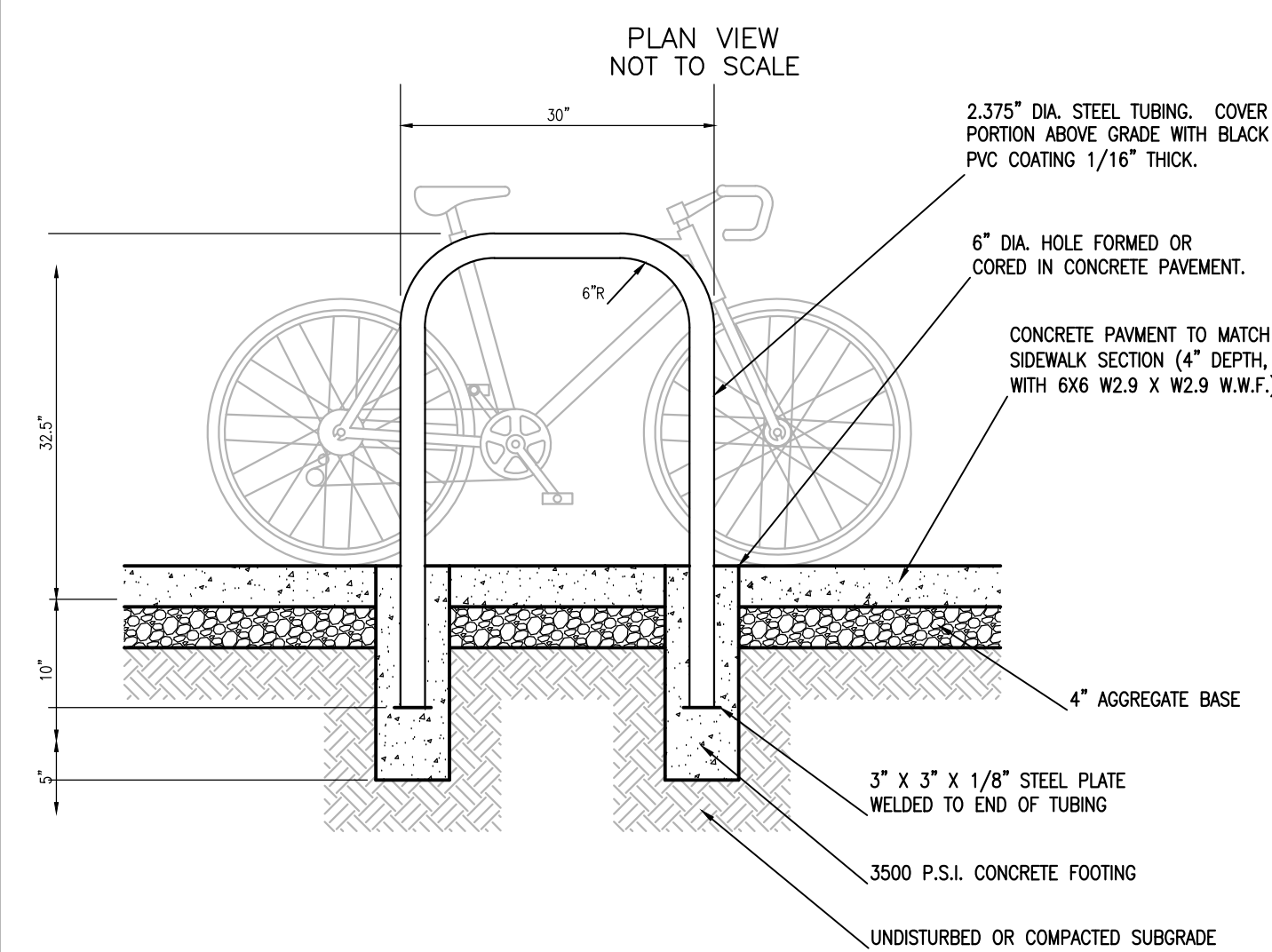
RESERVED
NOT TO SCALE

5

RESERVED
NOT TO SCALE

2

RESERVED
NOT TO SCALE



11

BICYCLE RACK AND PAD
NOT TO SCALE

9

RESERVED
NOT TO SCALE

6

RESERVED
NOT TO SCALE

3

RESERVED
NOT TO SCALE

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Edward A. Browder, P.E. LA-6666799
Florida Firm Registration No. 28050

**LAWNWOOD PHYSICAL
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EXPANSION
FORT PIERCE, FLORIDA**

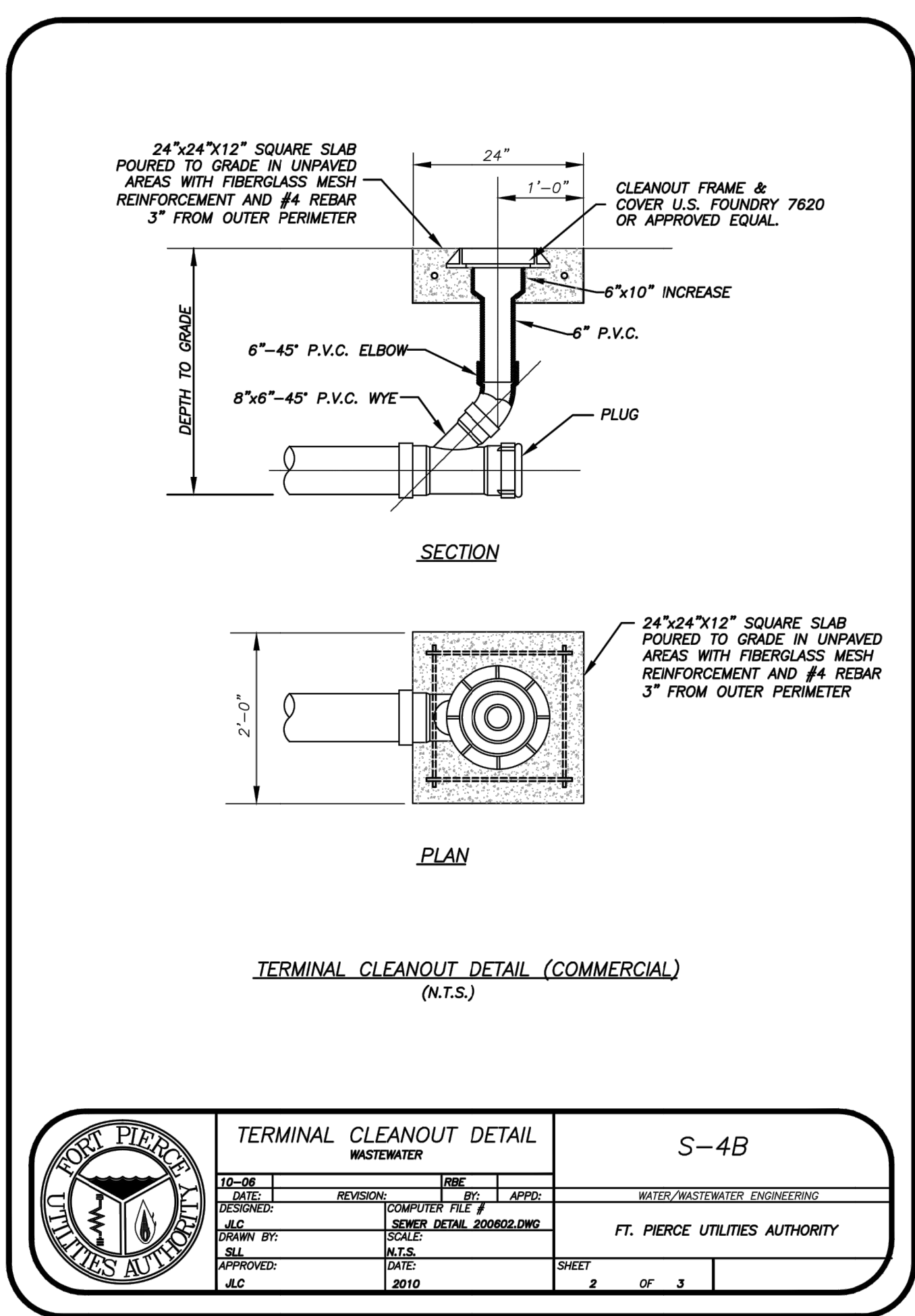
LAWNWOOD PHYSICAL
REHABILITATION CENTER
a Lawnwood Health, Music & Arts Center

STATE OF FLORIDA
PROFESSIONAL ENGINEER
5/29/15

DATE	REVISIONS
5/6/2015	20150322

C7.1
DETAILS

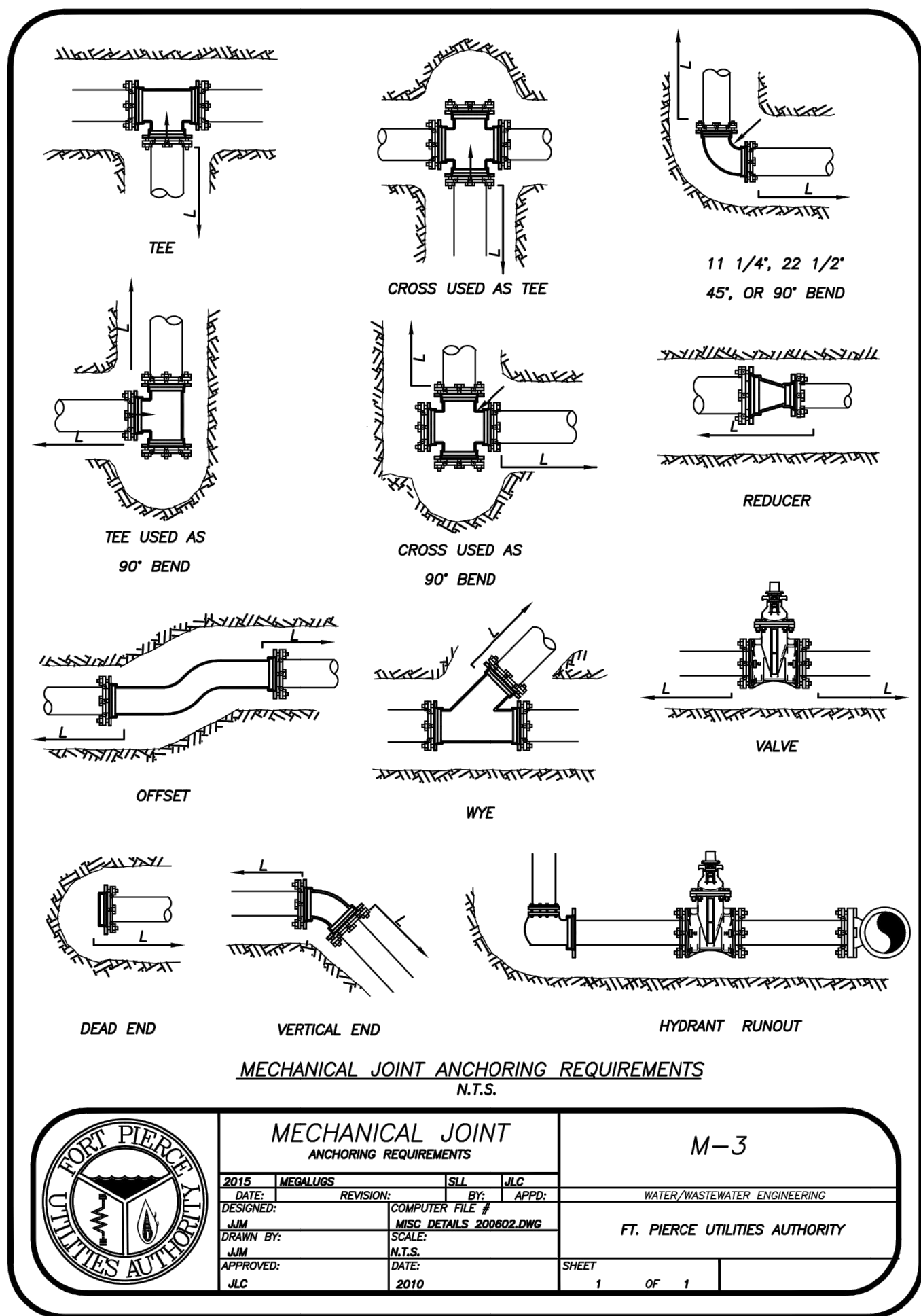
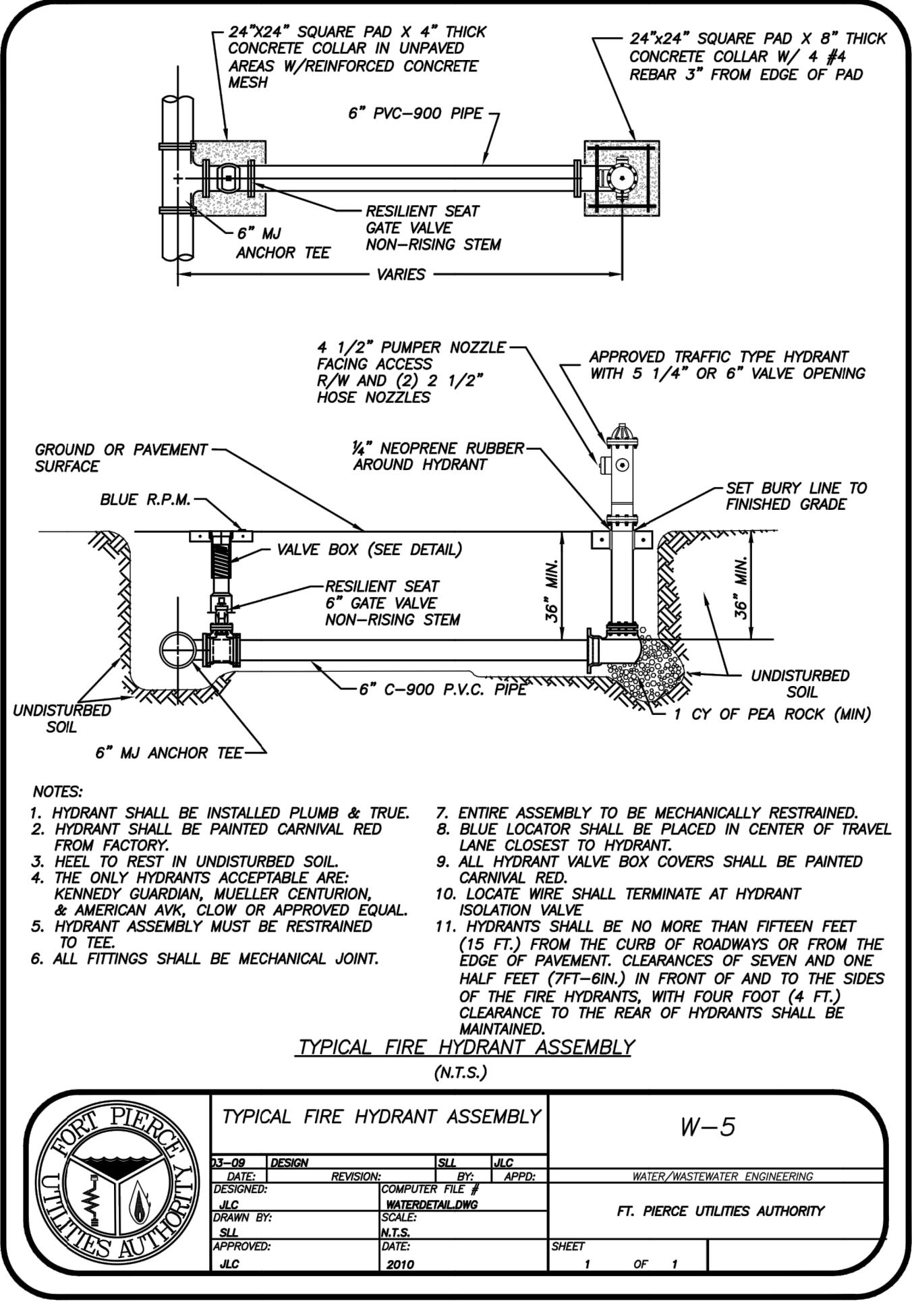
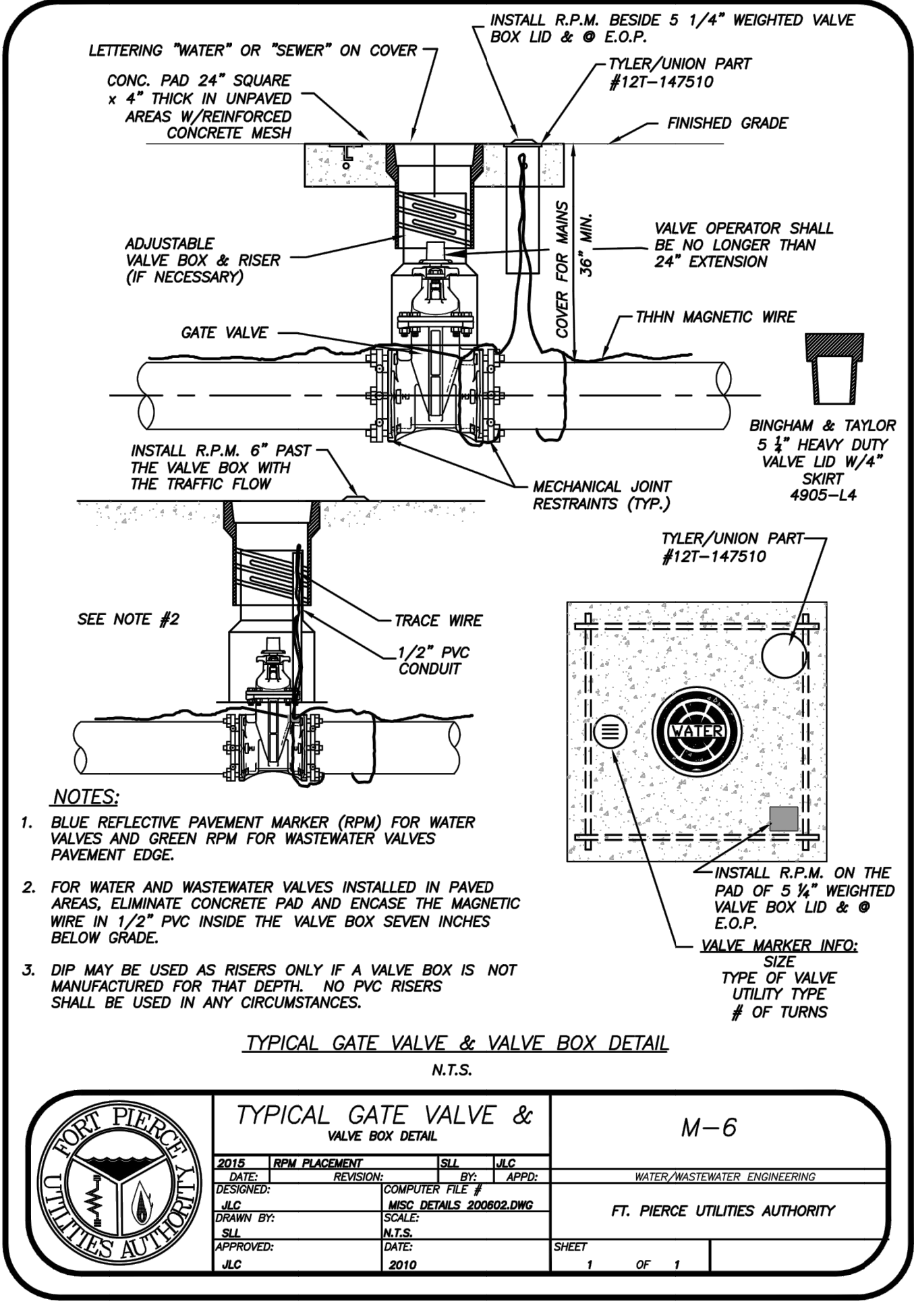
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FORT PIERCE UTILITIES AUTHORITY
WATER DISTRIBUTION NOTES

- ALL CONSTRUCTION MATERIAL, INSTALLATION AND TESTING SHALL CONFORM TO THE STANDARD SPECIFICATIONS OF THE FORT PIERCE UTILITIES AUTHORITY.
- WATER MAINS WHERE SPECIFIED AS POLYVINYL CHLORIDE (PVC) SHALL CONFORM TO AWWA C-900 OR C-905, PRESSURE CLASS 150, DR (11). WATER MAINS WHERE SPECIFIED AS POLYETHYLENE (PE) SHALL CONFORM TO AWWA C-901 OR C-906, STANDARD CODE DESIGNATION PE340R, PIPE CLASS 200, DIMENSION RATIO (DR) 17 FOR DIRECT BURY, (DR) 11 FOR DIRECTIONAL BORING, AND (DR) 9 FOR 2 INCH AND SMALLER PIPELINES.
- WATER MAIN, WHERE SPECIFIED AS DUCTILE IRON PIPE, SHALL CONFORM TO ANSI/AWWA C151/A21.51 AND SHALL BE PRESSURE CLASS 250 (MINIMUM).
- POLYVINYL CHLORIDE WATER MAIN SHALL BE BLUE IN COLOR OR WHITE IN COLOR WITH BLUE STRIPES. THE USE OF IDENTIFICATION TAPE ATTACHED TO THE TOP OF THE PIPE MAY BE USED IN LIEU OF MARKING ON THE PIPE. ALSO DIP PIPE SHALL REQUIRE THE USE OF IDENTIFICATION TAPE AND THIN WIRE.
- FITTINGS SHALL BE DUCTILE IRON CONFORMING TO ANSI/AWWA C-110/A21.10, CLASS 250 MIN., CEMENT LINED AND INTERIOR EPOXY COATED.
- GATE VALVES SHALL BE MUELLER RESILIENT SEAT, KENNEDY KEN-SEAL, AMERICAN OR APPROVED EQUAL. VALVES SHALL CONFORM TO AWWA C-509.
- WATER LINES SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH FPUA DESIGN AND CONSTRUCTION STANDARDS. THE CONTRACTOR SHALL SUBMIT CERTIFIED DENSITY TESTS AS REQUIRED BY FPUA ENGINEERING AND THE CITY, COUNTY, FDOT, IN CASES WHERE PAVED AREAS FALL WITHIN THE JURISDICTION OF LOCAL OR STATE AGENCIES. THE COMPACTION REQUIREMENTS SHALL NOT BE LESS THAN THE MINIMUM REQUIRED BY THE APPROPRIATE RESPONSIBLE AGENCY.
- NO FIELD CHANGES OR DEVIATIONS FROM THE DESIGN SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE FPUA ENGINEER AND CITY/COUNTY/FDOT ENGINEER.
- THE CONTRACTOR SHALL NOTIFY FPUA ENGINEERING AND CITY/COUNTY/FDOT ENGINEERING 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
- A PRE-CONSTRUCTION CONFERENCE BETWEEN THE ENGINEER, THE CONTRACTOR, FPUA, AND CITY/COUNTY/FDOT ENGINEER SHALL BE MANDATORY PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- TRAFFIC CONTROL, BARRICADES, ETC., SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS AND APPROVED BY THE CITY ENGINEER.
- MINIMUM COVER SHALL BE 36 INCHES EXCEPT AS APPROVED BY THE UTILITIES ENGINEER AND CITY/COUNTY/FDOT ENGINEER. PIPES WITH COVER LESS THAN 30 INCHES SHALL BE CONSTRUCTED OF DUCTILE IRON OR IN PVC CASING.
- DISTURBED AREAS SHALL BE RESTORED IN CONFORMANCE WITH THE APPLICABLE GOVERNING AGENCY REQUIREMENTS.
- EXISTING UTILITIES AND DRAINAGE SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION AND PROTECTED BY THE CONTRACTOR.
- WATER MAINS SHALL BE TESTED AND DISINFECTED IN ACCORDANCE WITH THE APPLICABLE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND AWWA C-651 FOR DISINFECTION.

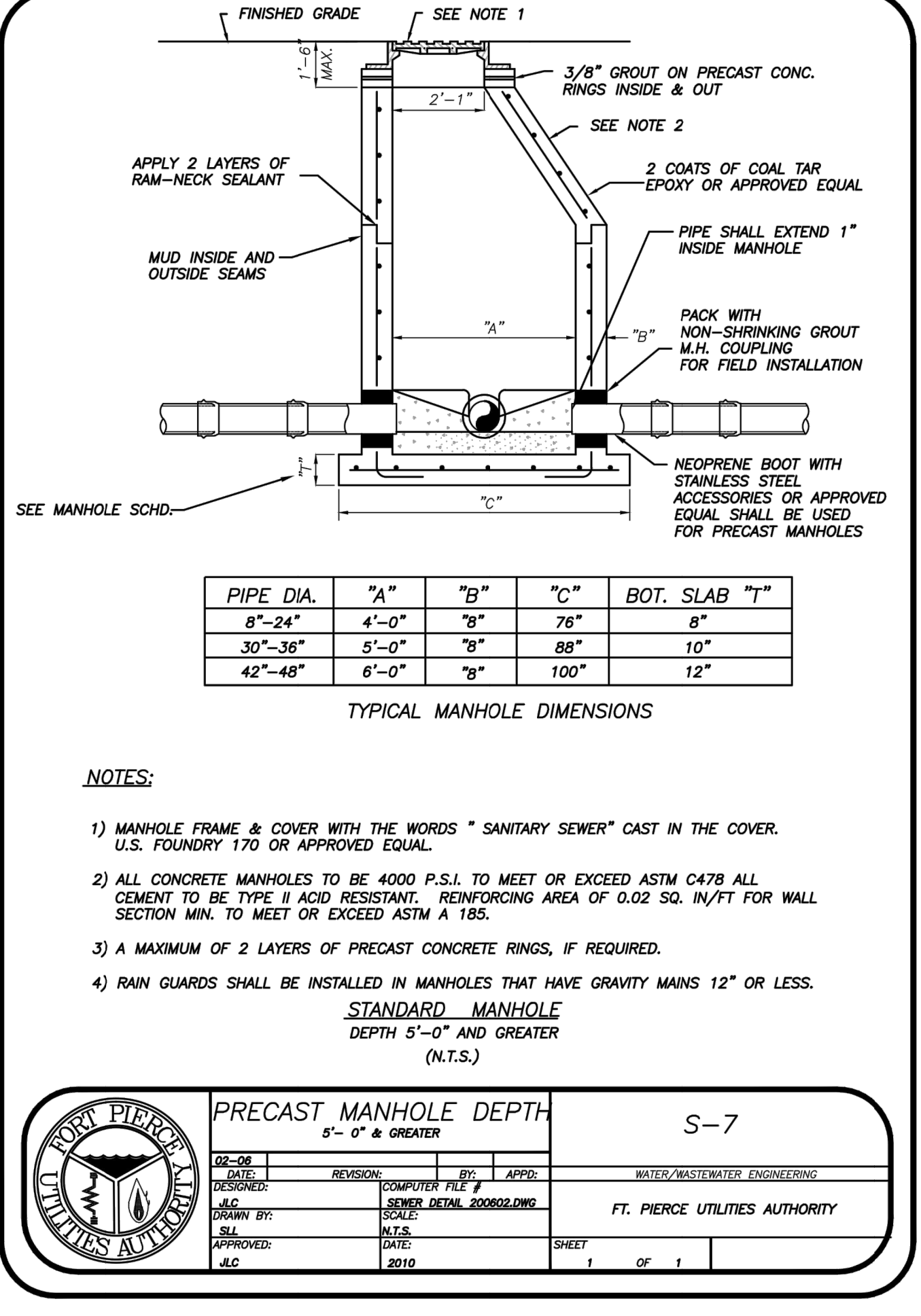
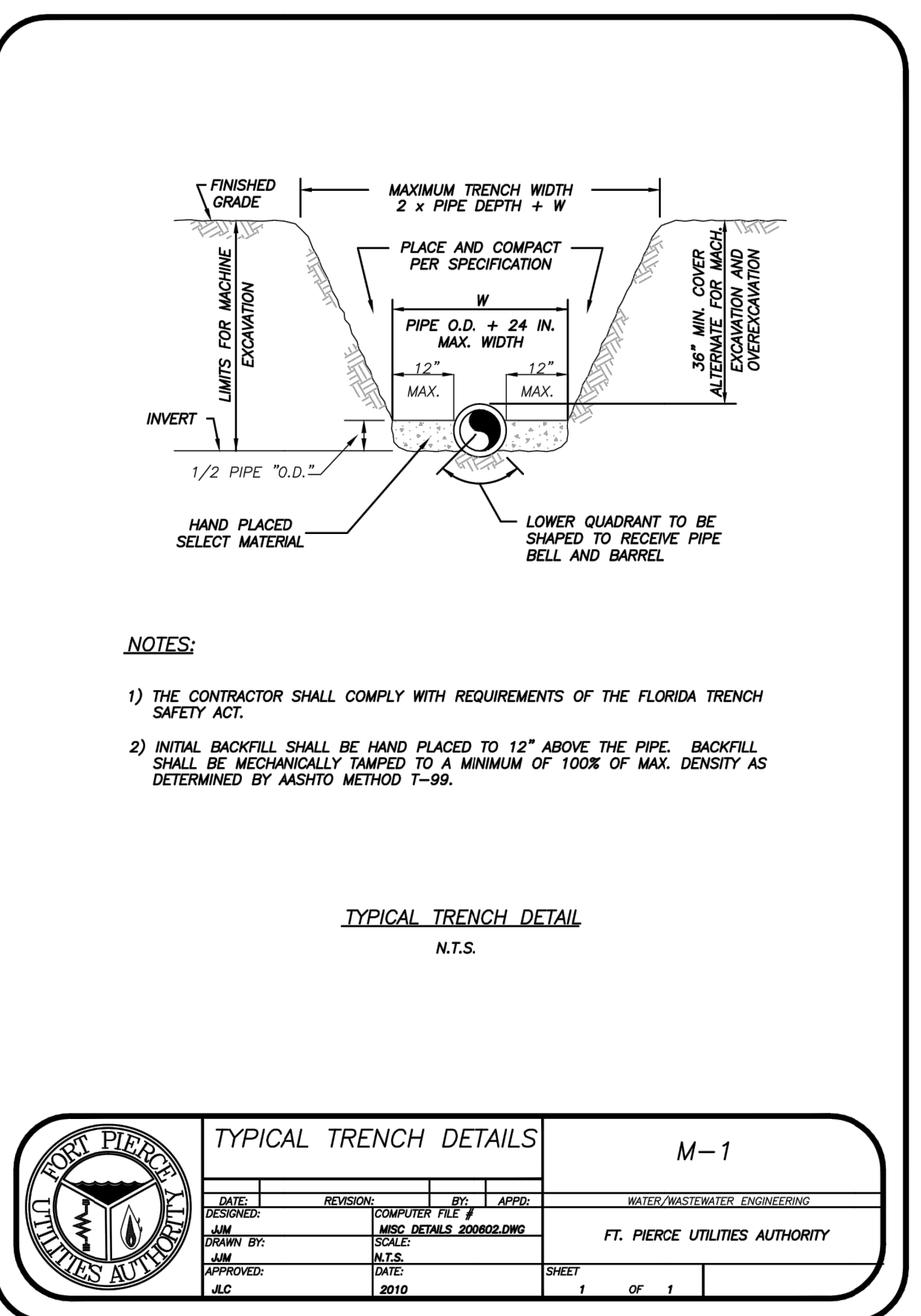
	WATER DISTRIBUTION		C-1		NOTES	
	DATE: 10-08	REVISION:	DESIGNED BY: JLC	DRAWN BY: JLC	APPROVED BY: JLC	SHEET: 1 OF 2
WATER/WASTEWATER ENGINEERING FT. PIERCE UTILITIES AUTHORITY						



FORT PIERCE UTILITIES AUTHORITY WASTEWATER CONSTRUCTION NOTES

- ALL CONSTRUCTION MATERIAL, INSTALLATION AND TESTING SHALL CONFORM TO THE STANDARD SPECIFICATIONS OF THE FORT PIERCE UTILITIES AUTHORITY.
- GRAVITY SEWER MAIN SHALL BE POLYVINYL CHLORIDE SDR-26, GREEN OR WHITE IN COLOR, GRAVITY SEWER MAIN SHALL HAVE LOCATOR BALL WITH "SEWER" MARKED ON TAPE AND SHALL CONFORM TO ASTM D-3034.
- THE MANHOLE BASE SHALL BE SET ON A FIRM, DRY AND STABLE OR COMPACTED BASE FOUNDATION. IF NECESSARY, THE CONTRACTOR SHALL UTILIZE ROCK TO PROVIDE A FIRM AND SUITABLE MANHOLE BASE FOUNDATION.
- WASTEWATER LINES SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH FPUA DESIGN AND CONSTRUCTION STANDARDS. THE CONTRACTOR SHALL SUBMIT CERTIFIED DENSITY TESTS AS REQUIRED BY FPUA ENGINEERING AND THE CITY ENGINEERING DEPARTMENT. IN CASES WHERE PAVED AREAS FALL WITHIN THE JURISDICTION OF LOCAL OR STATE AGENCIES, THE COMPACTION REQUIREMENTS SHALL NOT BE LESS THAN THE MINIMUM REQUIRED BY THE APPROPRIATE RESPONSIBLE AGENCY.
- A 1% MINIMUM SLOPE SHALL BE MAINTAINED ON ALL SANITARY SERVICE LATERALS.
- THE CONTRACTOR SHALL FURNISH RECORD DRAWING INFORMATION TO THE ENGINEER CONSISTING OF PIPE SIZES, LOCATION OF SERVICE TEE WYES, DIAMETER OF SERVICES, LOCATION OF ANY FITTINGS, FINAL RIM AND INVERT ELEVATION OF ALL MANHOLES AND ANY OTHER PERTINENT INFORMATION NECESSARY TO LOCATE ITEMS CONSTRUCTED UNDER THIS PROJECT.
- MAINTAIN SIX FEET AND PREFERABLY 10 FEET HORIZONTAL DISTANCE BETWEEN WATER MAINS AND SEWER MAINS AS A MINIMUM.
- WASTEWATER FORCE MAINS, WASTEWATER COLLECTION LINES, AND STORM SEWERS SHOULD CROSS UNDER WATER MAINS WHENEVER POSSIBLE. A MINIMUM VERTICAL DISTANCE OF 12 INCHES BETWEEN THE INVERT OF THE FORCE MAIN PIPE AND THE CROWN OF THE LOWER PIPE SHALL BE PROVIDED WHENEVER POSSIBLE. WHERE THIS MINIMUM SEPARATION CANNOT BE MAINTAINED, THE CROSSING SHALL BE ARRANGED SO THAT THE WASTEWATER PIPE JOINTS AND THE WATER PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING, AND THE WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP) AT THE CROSSING. SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF 10 FEET BETWEEN ANY TWO JOINTS. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALLY RESTRAINED. A MINIMUM VERTICAL CLEARANCE OF 6 INCHES MUST BE MAINTAINED AT ALL CROSSINGS.
- A PRE-CONSTRUCTION CONFERENCE BETWEEN THE ENGINEER, THE CONTRACTOR, AND FPUA/CITY/COUNTY/FDOT SHALL BE MANDATORY PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- NO FIELD CHANGES OR DEVIATIONS FROM THE DESIGN SHALL BE MADE WITHOUT PRIOR APPROVAL OF FPUA/CITY/COUNTY/FDOT ENGINEER.
- TRAFFIC CONTROL, BARRICADES, ETC. SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS.
- CONTRACTOR SHALL NOTIFY FORT PIERCE UTILITIES AUTHORITY 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
- WASTEWATER FORCE MAIN SHALL BE POLYVINYL CHLORIDE CONFORMING TO AWWA C-900, AND SHALL BE PRESSURE CLASS 150, DR-19.
- WASTEWATER FORCE MAIN SHALL BE GREEN IN COLOR.
- FITTINGS SHALL BE DUCTILE IRON, CONFORMING TO ANSI/AWWA C-110/A21.10 CLASS 250 MIN. AND INTERIOR EPOXY COATED.
- WASTEWATER FORCE MAIN SHALL BE MARKED BY THE USE OF CONTINUOUS 10 GAUGE THIN WIRE GREEN IN COLOR PERMANENTLY ATTACHED TO THE TOP OF THE FORCE MAIN WITH LOCATOR TAPE MARKED "SEWER" ON TAPE IN ACCORDANCE WITH FPUA SPECIFICATIONS.
- MINIMUM COVER SHALL BE 36 INCHES. PIPES WITH COVER LESS THAN 30 INCHES SHALL REQUIRE PRIOR APPROVAL OF THE UTILITIES ENGINEER AND SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE.
- EACH SERVICE LATERAL WILL BE MARKED WITH A LOCATOR BALL AS MANUFACTURED BY JM CORPORATION, OR APPROVED EQUAL AS REQUIRED BY FPUA ENGINEER.
- ALL MANHOLES SHALL HAVE SEWER RAIN GUARDS INSTALLED AS REQUIRED BY FPUA ENGINEER.
- THE CONTRACTOR SHALL COMPLY WITH THE FLORIDA TRENCH SAFETY ACT REQUIREMENTS.

	WASTEWATER CONSTRUCTION NOTES		G-2		CONSTRUCTION NOTES	
	DATE: 10-08	REVISION:	DESIGNED BY: JLC	DRAWN BY: JLC	APPROVED BY: JLC	SHEET: 1 OF 1
WATER/WASTEWATER ENGINEERING FT. PIERCE UTILITIES AUTHORITY						



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George B. Huddleston III, P.E. 16468
Edward A. Browder, P.E. LA-6666790
Florida Firm Registration No. 28050

LAWNWOOD PHYSICAL REHABILITATION CENTER EXPANSION
FORT PIERCE, FLORIDA

C7.2
FPUA DETAILS

DATE	REVISIONS
5/6/2015	20150322

WST LED
Architectural Wall Sconce

Specifications:
Height: 7.14"
Width: 6.14"
Depth: 3.14"
Weight: 1.12 lb

Optional Back Box (BBW)
Height: 6.14"
Width: 5.14"
Depth: 3.14"
Weight: 1.12 lb

Performance Data

Item	Value
Beam Spread	120°
Beam Diameter @ 100'	120'
Beam Diameter @ 200'	240'
Beam Diameter @ 300'	360'
Beam Diameter @ 400'	480'
Beam Diameter @ 500'	600'
Beam Diameter @ 600'	720'
Beam Diameter @ 700'	840'
Beam Diameter @ 800'	960'
Beam Diameter @ 900'	1080'
Beam Diameter @ 1000'	1200'

Ordering Information

EXAMPLE: WST LED 2 10A700/50K SR3 MVOLT DDBXD

Item	Manufacturer	Part Number	Quantity	Notes
1	LITHONIA	WSTLED-1-10A700/50K-SR3-MVOLT-DDBXD-PE	1	

Photometric Diagram

Features & Specifications

- Adjustable beam spread
- Adjustable mounting height
- Adjustable mounting angle
- Adjustable mounting direction
- Adjustable mounting location
- Adjustable mounting orientation
- Adjustable mounting position
- Adjustable mounting size
- Adjustable mounting type
- Adjustable mounting weight

GE Lighting

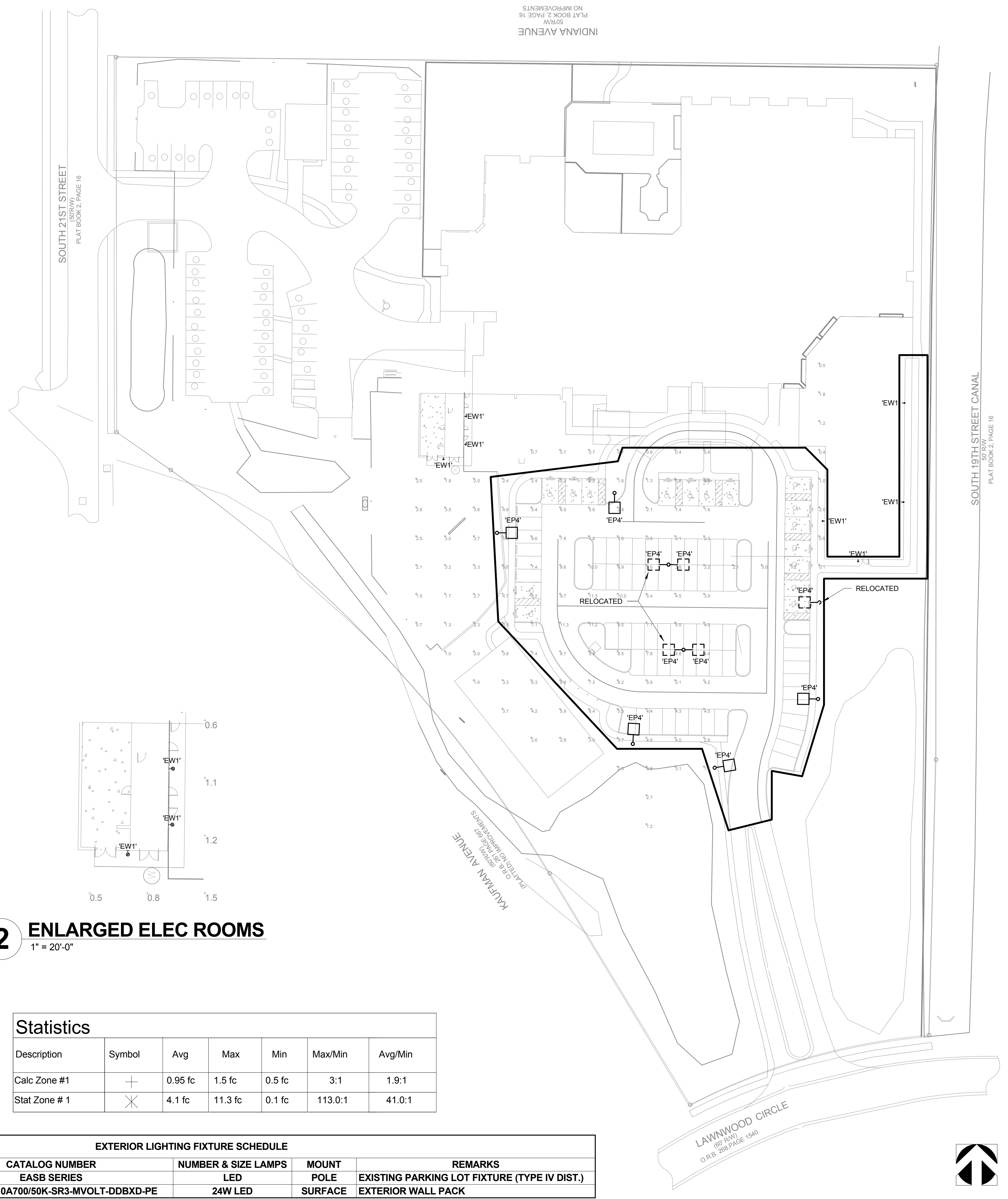
Evolve™ LED Area Light
Scalable Area Light (EASB)

imagination at work

Ordering Number Logic
(Evolve™ LED Scalable Area Light (EASB))

Item	Manufacturer	Part Number	Quantity	Notes
1	LITHONIA	WSTLED-1-10A700/50K-SR3-MVOLT-DDBXD-PE	1	

Photometrics



2 ENLARGED ELEC ROOMS
1" = 20'-0"

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #1	+	0.95 fc	1.5 fc	0.5 fc	3:1	1.9:1
Stat Zone #1	X	4.1 fc	11.3 fc	0.1 fc	113.0:1	41.0:1

EXTERIOR LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	NUMBER & SIZE LAMPS	MOUNT	REMARKS
EP4	GE	EASB SERIES	LED	POLE	EXISTING PARKING LOT FIXTURE (TYPE IV DIST.)
EW1	LITHONIA	WSTLED-1-10A700/50K-SR3-MVOLT-DDBXD-PE	24W LED	SURFACE	EXTERIOR WALL PACK

1 SITE PLAN
1" = 40'-0"



I.C. Thomasson Associates, Inc.
CONSULTING ENGINEERS
2950 KRAFT DRIVE, SUITE 500
NASHVILLE, TN, 37204
PHONE (615) 346-3400
FAX (615) 346-3550
www.ictthomasson.com
ICT Project No. 150134
Firm Certificate of Authorization: CA-1276
Mechanical Engineer Florida Registration
William T. Tinnell, P.E. #47477
Electrical Engineer Florida Registration
Joshua R. Cartwright, P.E. #71893



#	DATE	CHANGE DESCRIPTION

LAWNWOOD PHYSICAL REHABILITATION CENTER
AT LAWNWOOD REGIONAL MEDICAL CENTER & HEART INSTITUTE

Lawnwood Medical Center Expansion & Renovation
1860 N. Lawnwood Circle Fort Pierce, FL 34950
for
HCA

MOODY•NOLAN
RESPONSIVE ARCHITECTURE
300 Spruce Street Phone: (614) 461-4664
Suite 300 Fax: (614) 280-8881
Columbus, Ohio 43215 www.moodynolan.com

PROGRESS DRAWING NOT FOR CONSTRUCTION

Dwg. Coord.: BCS	Tech. Coord.: JRC	15078.01
ELECTRICAL - SITE PLAN	CITY SUBMISSION	ES01
		05/06/15

WST LED
Architectural Wall Sconce

Specifications
 Luminaire: WSTLED
 Height: 7.5" (190mm)
 Width: 6.5" (165mm)
 Depth: 3.5" (89mm)
 Weight: 1.1 lbs (500g)

Optional Back Box (BBW)
 Height: 6.5" (165mm)
 Width: 6.5" (165mm)
 Depth: 3.5" (89mm)
 Weight: 1.1 lbs (500g)

Ordering Information
 EXAMPLE: WSTLED-2-10A700/50K-SR3-MVOLT-DBBXD

Performance Data

Lumen Output

Temp	100%	90%	80%	70%	60%	50%	40%	30%	20%	10%
25°C	100%	95%	90%	85%	80%	75%	70%	65%	60%	55%
35°C	95%	90%	85%	80%	75%	70%	65%	60%	55%	50%
45°C	90%	85%	80%	75%	70%	65%	60%	55%	50%	45%
55°C	85%	80%	75%	70%	65%	60%	55%	50%	45%	40%
65°C	80%	75%	70%	65%	60%	55%	50%	45%	40%	35%
75°C	75%	70%	65%	60%	55%	50%	45%	40%	35%	30%
85°C	70%	65%	60%	55%	50%	45%	40%	35%	30%	25%
95°C	65%	60%	55%	50%	45%	40%	35%	30%	25%	20%

Electrical Load

Temp	100%	90%	80%	70%	60%	50%	40%	30%	20%	10%
25°C	100%	95%	90%	85%	80%	75%	70%	65%	60%	55%
35°C	95%	90%	85%	80%	75%	70%	65%	60%	55%	50%
45°C	90%	85%	80%	75%	70%	65%	60%	55%	50%	45%
55°C	85%	80%	75%	70%	65%	60%	55%	50%	45%	40%
65°C	80%	75%	70%	65%	60%	55%	50%	45%	40%	35%
75°C	75%	70%	65%	60%	55%	50%	45%	40%	35%	30%
85°C	70%	65%	60%	55%	50%	45%	40%	35%	30%	25%
95°C	65%	60%	55%	50%	45%	40%	35%	30%	25%	20%

Photometric Diagram

Features & Specifications

- Adjustable beam spread
- Adjustable mounting height
- Adjustable mounting angle
- Adjustable mounting direction
- Adjustable mounting location
- Adjustable mounting orientation
- Adjustable mounting position
- Adjustable mounting size
- Adjustable mounting type
- Adjustable mounting weight

Ordering Information

EXAMPLE: WSTLED-2-10A700/50K-SR3-MVOLT-DBBXD

Emergency Battery Operation

Emergency battery operation is available for the WSTLED luminaire. The emergency battery operation is designed to provide a minimum of 90 minutes of operation. The emergency battery operation is designed to provide a minimum of 90 minutes of operation. The emergency battery operation is designed to provide a minimum of 90 minutes of operation.

GE Lighting

Evolve™ LED Area Light
Scalable Area Light (EASB)

imagination at work

Photometrics

EASB Type I - Symmetric Medium (M) 30,000 Lumens, 5000K (EASB001001)

EASB Type II - Symmetric Medium (M) 30,000 Lumens, 5000K (EASB001002)

EASB Type III - Asymmetric Medium (M) 30,000 Lumens, 5000K (EASB001003)

EASB Type IV - Asymmetric Medium (M) 30,000 Lumens, 5000K (EASB001004)

EASB Type V - Asymmetric Medium (M) 30,000 Lumens, 5000K (EASB001005)

EASB Type VI - Asymmetric Medium (M) 30,000 Lumens, 5000K (EASB001006)

EASB Type VII - Asymmetric Medium (M) 30,000 Lumens, 5000K (EASB001007)

EASB Type VIII - Asymmetric Medium (M) 30,000 Lumens, 5000K (EASB001008)

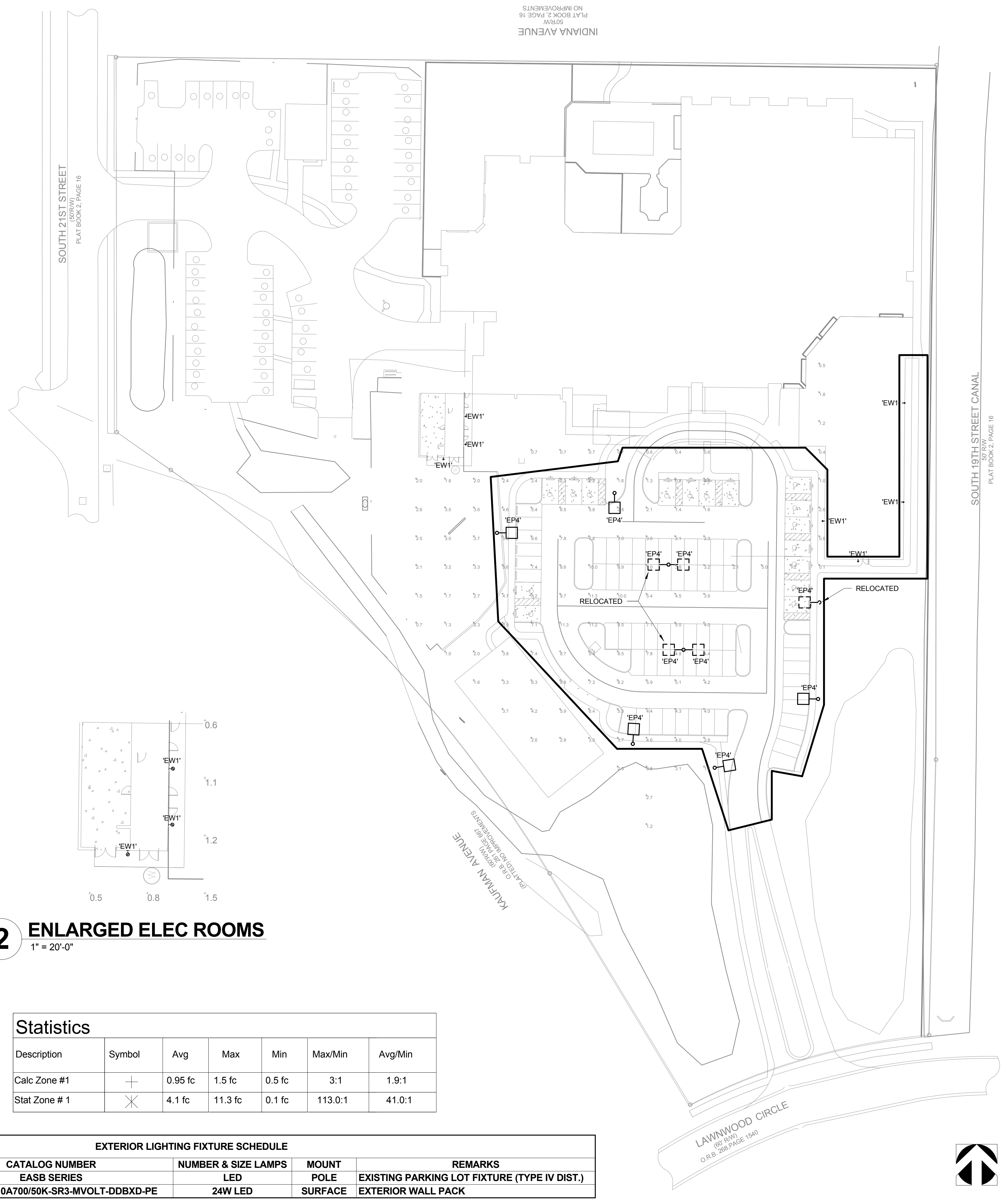
EASB Type IX - Asymmetric Medium (M) 30,000 Lumens, 5000K (EASB001009)

EASB Type X - Asymmetric Medium (M) 30,000 Lumens, 5000K (EASB001010)

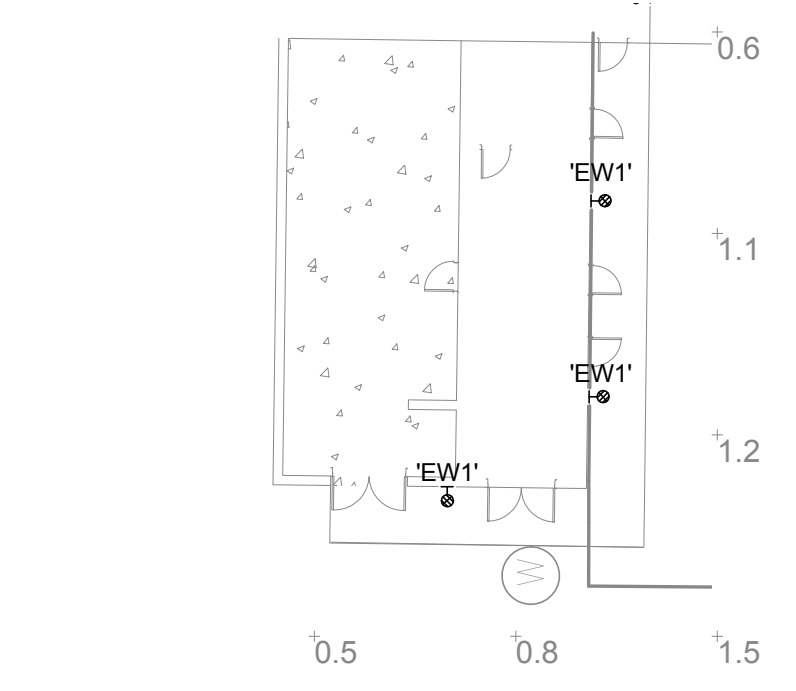
Ordering Number Logic
(EASB™ LED Scalable Area Light (EASB))

EASB

Code	Description	Code	Description
01	10A700/50K-SR3-MVOLT-DBBXD	01	10A700/50K-SR3-MVOLT-DBBXD
02	10A700/50K-SR3-MVOLT-DBBXD	02	10A700/50K-SR3-MVOLT-DBBXD
03	10A700/50K-SR3-MVOLT-DBBXD	03	10A700/50K-SR3-MVOLT-DBBXD
04	10A700/50K-SR3-MVOLT-DBBXD	04	10A700/50K-SR3-MVOLT-DBBXD
05	10A700/50K-SR3-MVOLT-DBBXD	05	10A700/50K-SR3-MVOLT-DBBXD
06	10A700/50K-SR3-MVOLT-DBBXD	06	10A700/50K-SR3-MVOLT-DBBXD
07	10A700/50K-SR3-MVOLT-DBBXD	07	10A700/50K-SR3-MVOLT-DBBXD
08	10A700/50K-SR3-MVOLT-DBBXD	08	10A700/50K-SR3-MVOLT-DBBXD
09	10A700/50K-SR3-MVOLT-DBBXD	09	10A700/50K-SR3-MVOLT-DBBXD
10	10A700/50K-SR3-MVOLT-DBBXD	10	10A700/50K-SR3-MVOLT-DBBXD



2 ENLARGED ELEC ROOMS
1" = 20'-0"



Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #1	+	0.95 fc	1.5 fc	0.5 fc	3:1	1.9:1
Stat Zone #1	X	4.1 fc	11.3 fc	0.1 fc	113.0:1	41.0:1

EXTERIOR LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	NUMBER & SIZE LAMPS	MOUNT	REMARKS
EP4	GE	EASB SERIES	LED	POLE	EXISTING PARKING LOT FIXTURE (TYPE IV DIST.)
EW1	LITHONIA	WSTLED-1-10A700/50K-SR3-MVOLT-DBBXD-PE	24W LED	SURFACE	EXTERIOR WALL PACK

1 SITE PLAN
1" = 40'-0"



I.C. Thomasson Associates, Inc.
 CONSULTING ENGINEERS
 2950 KRAFT DRIVE, SUITE 500
 NASHVILLE, TN, 37204
 PHONE (615) 346-3400
 FAX (615) 346-3550
 www.ictomasson.com
 ICT Project No. 150134
 Firm Certificate of Authorization: CA-1276
 Mechanical Engineer Florida Registration
 William T. Tinnell, P.E. #47477
 Electrical Engineer Florida Registration
 Joshua R. Cartwright, P.E. #71893



#	DATE	CHANGE DESCRIPTION

LAWNWOOD PHYSICAL REHABILITATION CENTER
AT LAWNWOOD REGIONAL MEDICAL CENTER & HEART INSTITUTE

Lawnwood Medical Center Expansion & Renovation
1860 N. Lawnwood Circle Fort Pierce, FL 34950

for
HCA

MOODY•NOLAN
RESPONSIVE ARCHITECTURE
300 Spruce Street Phone: (614) 461-4664
Suite 300 Fax: (614) 280-8881
Columbus, Ohio 43215 www.moodynolan.com

PROGRESS DRAWING NOT FOR CONSTRUCTION

Dwg. Coord.: BCS Tech. Coord.: JRC 15078.01

ELECTRICAL - SITE PLAN
CITY SUBMISSION

ES01
05/06/15

DO NOT MACHINE TRENCH WITHIN THE DRIPLINE OF ANY TREES. ANY EXISTING TREE ROOTS, WHEN ENCOUNTERED DURING INSTALLATION OF UTILITIES, SHALL BE CUT OFF EVENLY WITH CLEAN SHARP PRUNING TOOLS AND COVERED WITH SOIL AS SOON AS POSSIBLE TO REDUCE DEHYDRATION. THE CONTRACTOR/DEVELOPER SHALL MINIMIZE THE DAMAGE TO EXISTING TREE ROOT SYSTEMS.

INSTALL +/- 95 L.F. OF TORO DL2000 1 GPH 12" O.C. DRIP TUBING, A LINE FLUSHING VALVE, A VACUUM / AIR RELIEF VALVE AND A RAIN BIRD OPERIND IN THIS AREA. IF POSSIBLE AND THE ZONE CAN ACCEPT 2.5 GPM MORE, FIELD LOCATE AND CONNECT TO AN EXISTING ZONE PIPE FOR SHRUBS WITH A MATCHING PRECIPITATION RATE. (DRIP TUBING OR 1 1/2" CONVENTIONAL SPRAY HEADS) PROVIDE THE OWNER WITH THE ALTERNATE COST OF CONNECTING TO AN EXISTING ZONE IN THE BID PRICE.

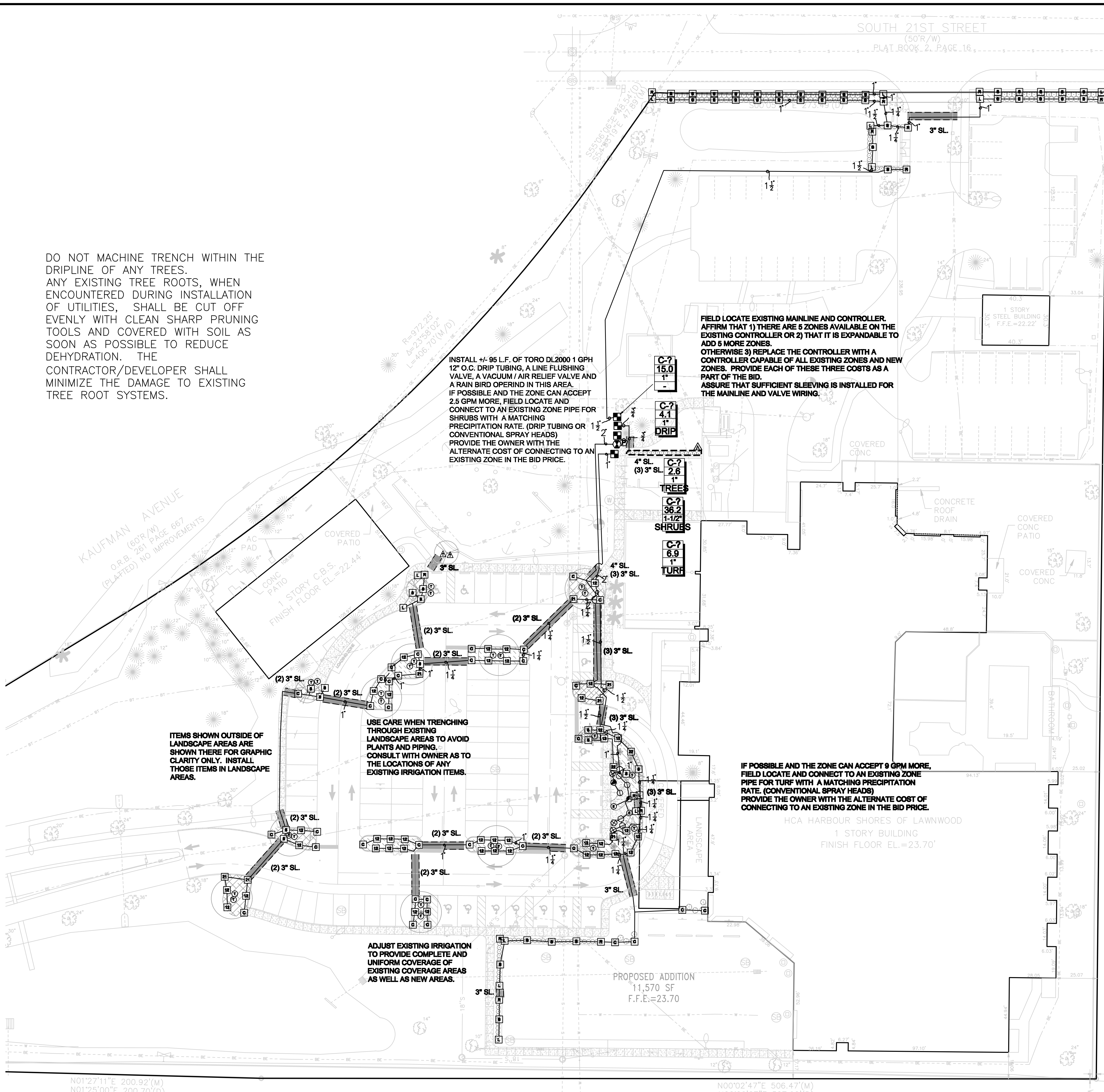
FIELD LOCATE EXISTING MAINLINE AND CONTROLLER. AFFIRM THAT 1) THERE ARE 5 ZONES AVAILABLE ON THE EXISTING CONTROLLER OR 2) THAT IT IS EXPANDABLE TO ADD 5 MORE ZONES. OTHERWISE 3) REPLACE THE CONTROLLER WITH A CONTROLLER CAPABLE OF ALL EXISTING ZONES AND NEW ZONES. PROVIDE EACH OF THESE THREE COSTS AS A PART OF THE BID. ASSURE THAT SUFFICIENT SLEEVING IS INSTALLED FOR THE MAINLINE AND VALVE WIRING.

USE CARE WHEN TRENCHING THROUGH EXISTING LANDSCAPE AREAS TO AVOID PLANTS AND PIPING. CONSULT WITH OWNER AS TO THE LOCATIONS OF ANY EXISTING IRRIGATION ITEMS.

ITEMS SHOWN OUTSIDE OF LANDSCAPE AREAS ARE SHOWN THERE FOR GRAPHIC CLARITY ONLY. INSTALL THOSE ITEMS IN LANDSCAPE AREAS.

ADJUST EXISTING IRRIGATION TO PROVIDE COMPLETE AND UNIFORM COVERAGE OF EXISTING COVERAGE AREAS AS WELL AS NEW AREAS.

IF POSSIBLE AND THE ZONE CAN ACCEPT 9 GPM MORE, FIELD LOCATE AND CONNECT TO AN EXISTING ZONE PIPE FOR TURF WITH A MATCHING PRECIPITATION RATE. (CONVENTIONAL SPRAY HEADS) PROVIDE THE OWNER WITH THE ALTERNATE COST OF CONNECTING TO AN EXISTING ZONE IN THE BID PRICE.

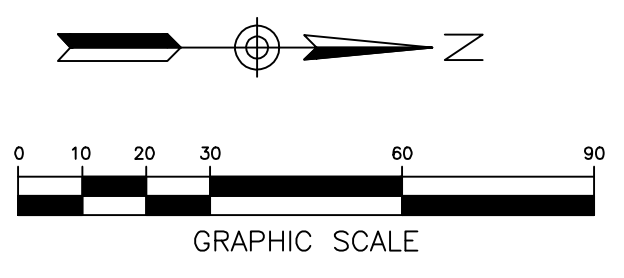


- LEGEND**
- Rain Bird 1804 - 6Q PCS-010
 - △ Rain Bird 1804 - 8Q PCS-020
 - ⊖ Rain Bird 1806 - 10H MPR Plastic Nozzle
 - ⊕ Rain Bird 1806 - 10Q MPR Plastic Nozzle
 - Rain Bird 1806 - 10T MPR Plastic Nozzle
 - ⦿ Rain Bird 1806 - 12T MPR Plastic Nozzle
 - ⊙ Rain Bird 1806 - 15EST MPR Plastic Nozzle
 - ⊖ Rain Bird 1806 - 8H MPR Plastic Nozzle
 - ⊕ Rain Bird 1806 - 8Q MPR Plastic Nozzle
 - ▢ Hunter PROS-12-PRS40 W/ MPLCS515
 - ▣ Hunter PROS-12-PRS40 W/ MPRCS515
 - ▤ Hunter PROS-12-PRS40 W/ MPSS830
 - ▥ Hunter PROS-12-PRS40 W/ MP00SR-90
 - ▦ Hunter PROS-12-PRS40 W/ MPCORNER
 - ▧ Hunter PROS-12-PRS40 W/ MP1000-90
 - ▨ Hunter PROS-12-PRS40 W/ MP1000-210
 - ▩ Hunter PROS-12-PRS40 W/ MP2000-90 (90 Deg.)
 - Hunter PROS-12-PRS40 W/ MP2000-90 (180 Deg.)
 - Toro DL2000 Drip Tubing (2 Rows)
 - △ Location of Vacuum/ Air Relief Valve, Line Flushing Valve and OPERIND
 - ⊖ Rain Bird 100-PESS 1" Valve w/ VPr. Reg.
 - ⦿ Rain Bird 150-PESS 1-1/2" Valve w/ VPr. Reg.
 - ⊙ Point-of-Connection to Existing Main Line
 - Class 200 PVC Zone Pipe Routing
 - ▬ Schedule 40 PVC Sleeve Location
 - C-7 2.6 1" APPL Valve Programming, Nominal Gallonage and Size



Know what's below. Call before you dig.

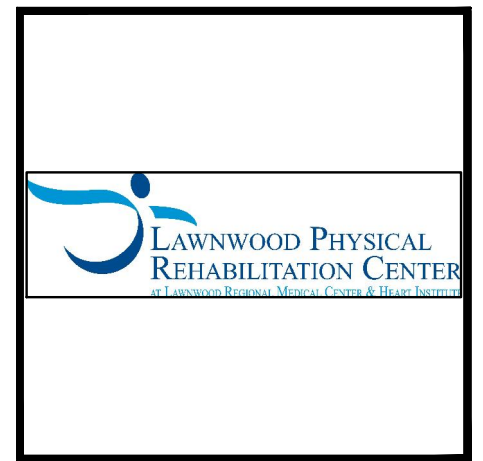
NOTE: CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES AND SERVICE LINES PRIOR TO EXCAVATING FOR INSTALLATION OF PROPOSED AMENITIES & IRRIGATION.



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Edward A. Browder, P.L.A. 6666790 Florida Firm Registration No. 28050

LAWNWOOD PHYSICAL REHABILITATION CENTER EXPANSION
FORT PIERCE, FLORIDA



DATE	REVISIONS
5/6/2015	20150322

11.0
IRRIGATION PLAN

NOTES

INSTALL ALL PIPING SHOWN BETWEEN DIFFERENT PIPE SIZES AS THE LARGER SIZED PIPE.

INSTALL ALL PIPING TO INDIVIDUAL HEADS AS 3/4".

INSTALL PIPING BETWEEN THE LAST MARKED PIPE AND PIPING TO INDIVIDUAL HEADS (WHERE NO OTHER MARKINGS SHOW) AS 3/4".

ANY IRRIGATION ITEMS NORMALLY INSTALLED IN LANDSCAPE AREAS THAT ARE SHOWN OUTSIDE OF LANDSCAPE AREAS OR OUTSIDE OF THE PROPERTY LINES ARE SHOWN AS SUCH FOR GRAPHIC CLARITY ONLY. INSTALL THESE ITEMS INSIDE OF PROPERTY LINES AND IN LANDSCAPE AREAS.

THIS SYSTEM REQUIRES 37 GPM AT 50 PSI AT THE POINT OF CONNECTION TO THE EXISTING SYSTEM. VERIFY GALLONAGE AND PRESSURES AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT BEFORE COMMENCING WITH THE INSTALLATION.

PROVIDE PROOF TO THE LANDSCAPE ARCHITECT THAT ALL AVAILABLE MAINTENANCE MANUALS FOR EACH OF THE PRODUCTS INCLUDED IN THIS INSTALLATION HAVE BEEN PROVIDED TO THE OWNER OR OWNER'S REPRESENTATIVE.

ADJUST THE IRRIGATION SYSTEM COMPONENTS AND EXISTING SYSTEM TO PROVIDE UNIFORM COVERAGE. ASSURE THAT THE SYSTEM PROVIDES 100% COVERAGE OF ALL LANDSCAPE MATERIALS INCLUDING SHRUBS, GROUND COVER, TREES AND TURF.

ADJUST THE VERTICAL ORIENTATION OF SPRINKLERS ON SLOPES TO PROVIDE UNIFORM COVERAGE OF THE SLOPED AREA.

IRRIGATION HEADS SHALL BE LOCATED MINIMUM ONE (1) FOOT FROM ANY WALL, COLUMN, OR BUILDING EDGE/FACE.

IRRIGATION HEADS SHALL BE DIRECTED AWAY FROM BUILDING AT ALL TIMES, SO THAT SPRAY DOES NOT HIT BUILDING FACE, COLUMN, WALL, ETC.

ANY EXISTING TREE ROOTS, WHEN ENCOUNTERED DURING INSTALLATION OF UTILITIES, SHALL BE CUT OFF EVENLY WITH CLEAN SHARP PRUNING TOOLS AND COVERED WITH SOIL AS SOON AS POSSIBLE TO REDUCE DEHYDRATION. THE CONTRACTOR/DEVELOPER SHALL MINIMIZE THE DAMAGE TO EXISTING TREE ROOT SYSTEMS.

PROVIDE HAND WATERING FOR ESTABLISHMENT PERIOD FOR ALL TREES NOT LOCATED IN IRRIGATED AREAS OR THAT DO NOT HAVE BUBBLERS INSTALLED AT THOSE TREES.

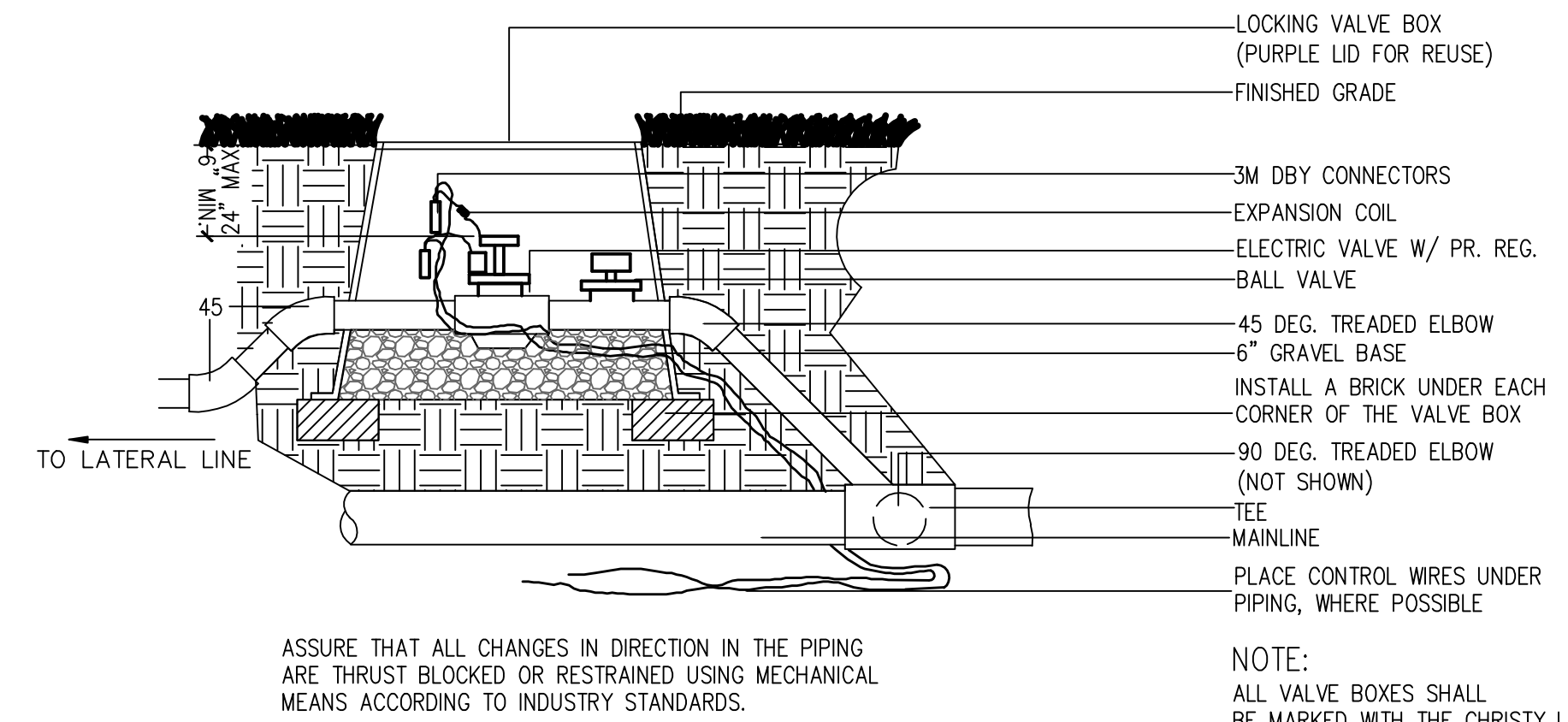
CONSULT WITH THE OWNER AS TO LOCATIONS OF THIS SYSTEM'S INSTALLATION AS RELATED TO THE FUTURE PHASE OF THIS PROJECT TO MINIMIZE IMPACT ON THIS SYSTEM DURING THE FUTURE PHASES OF CONSTRUCTION.

INSTALL MARLEX STREET ELLS FOR ALL HEADS ON RISERS AND ALL SPRINKLERS IN TURF.

INSTALL ALL OTHER SPRINKLERS WITH FUNNY PIPE AND SBE-050 FITTING. (USE SBE-075 IF THREADED FITTING ON PIPE IS 3/4".)

CONNECT TO THE EXISTING MAINLINE FROM THE PUMP AND WELL AS THE POINT OF CONNECTION.

ALL IRRIGATION HEADS IN SHRUBS/GROUND COVER AREAS SHALL BE INSTALLED ON RISERS. SEE DETAILS.

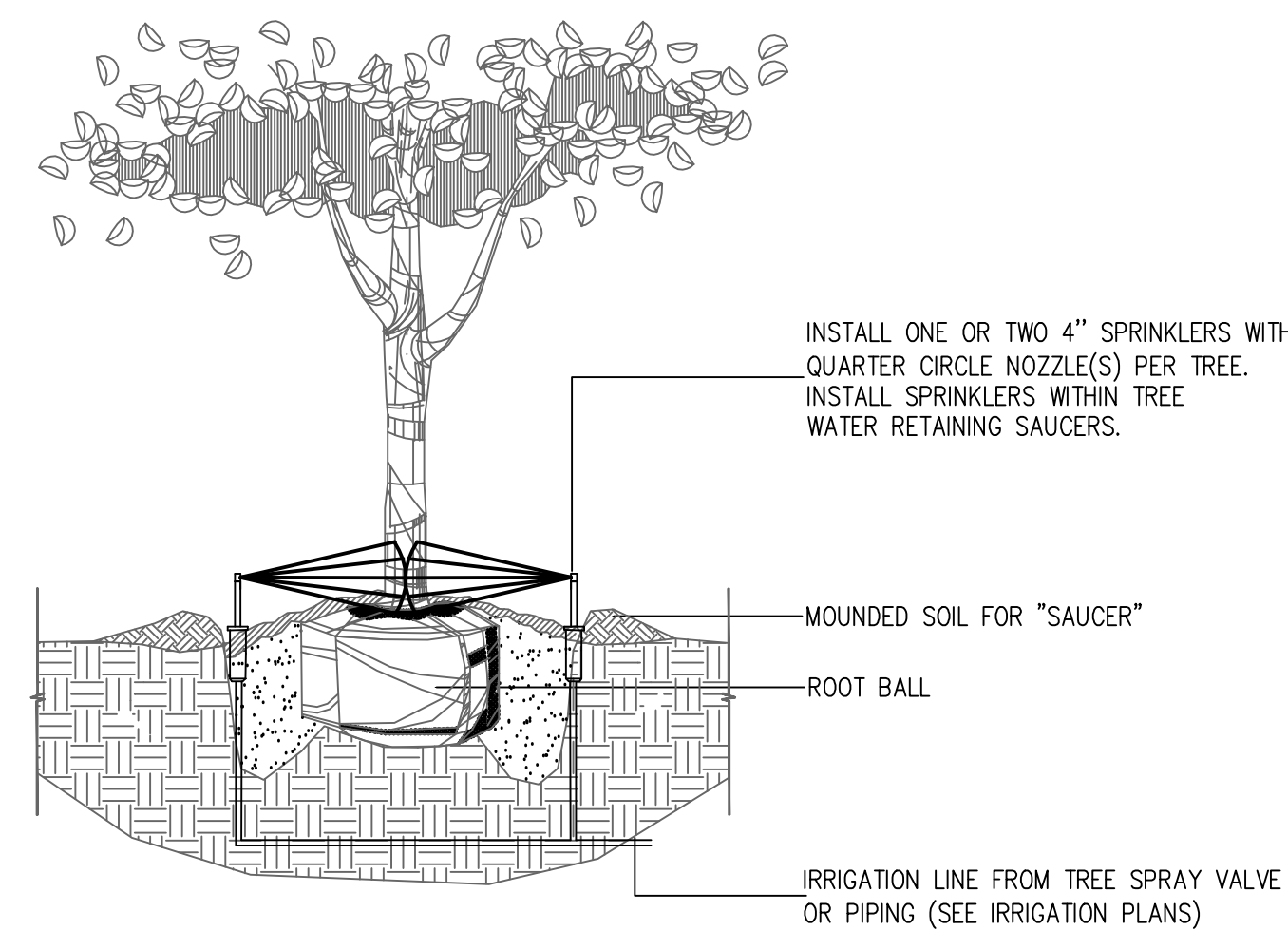


ASSURE THAT ALL CHANGES IN DIRECTION IN THE PIPING ARE THRUST BLOCKED OR RESTRAINED USING MECHANICAL MEANS ACCORDING TO INDUSTRY STANDARDS.

NOTE:
ALL VALVE BOXES SHALL BE MARKED WITH THE CHRISTY I.D. TAGS OR SUBSTITUTION ACCEPTABLE TO OWNER

1 GENERAL NOTES
12-0

SCALE: N.T.S.



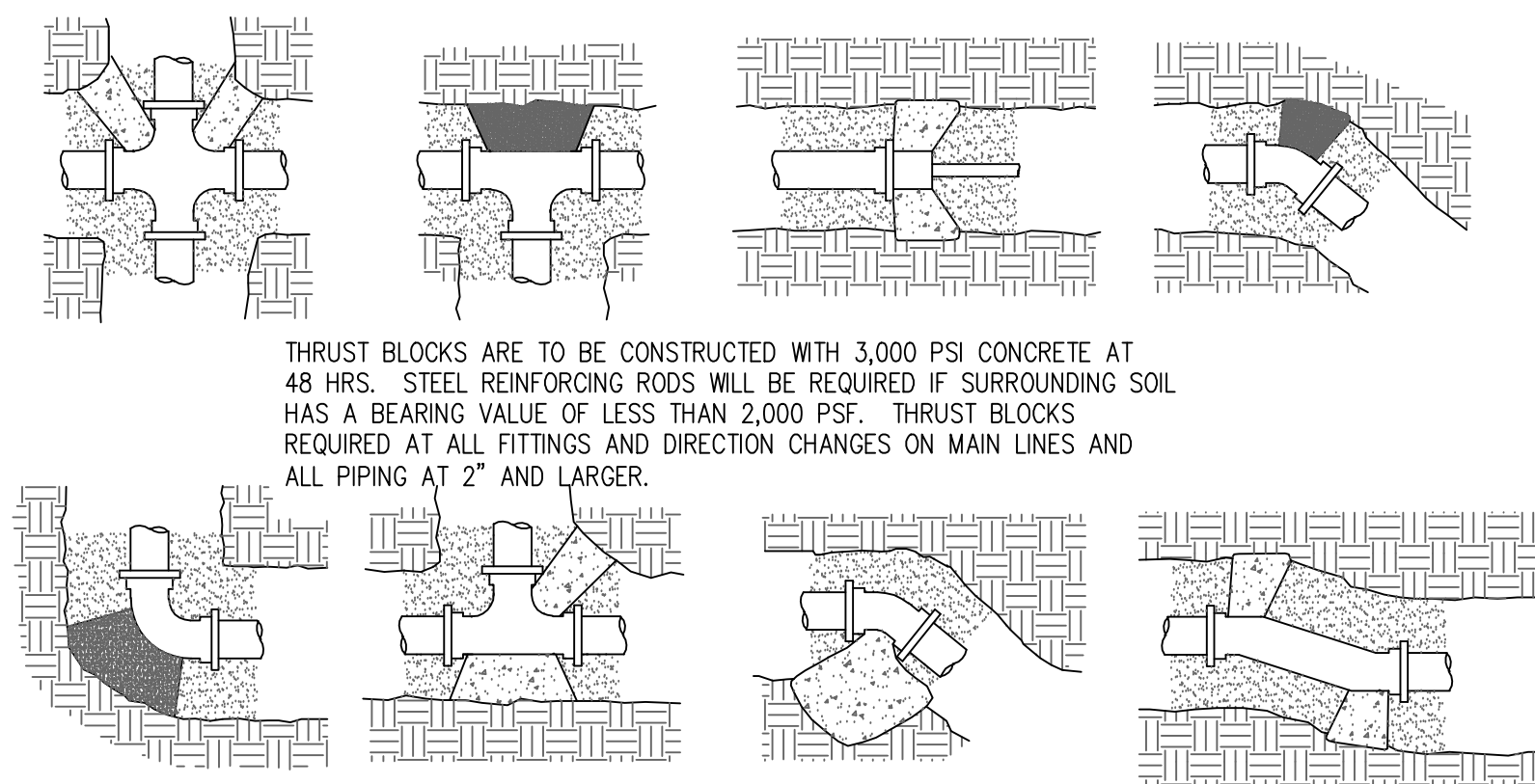
INSTALL ONE OR TWO 4" SPRINKLERS WITH QUARTER CIRCLE NOZZLE(S) PER TREE. INSTALL SPRINKLERS WITHIN TREE WATER RETAINING SAUCERS.

MOUNDED SOIL FOR "SAUCER"
ROOT BALL

IRRIGATION LINE FROM TREE SPRAY VALVE OR PIPING (SEE IRRIGATION PLANS)

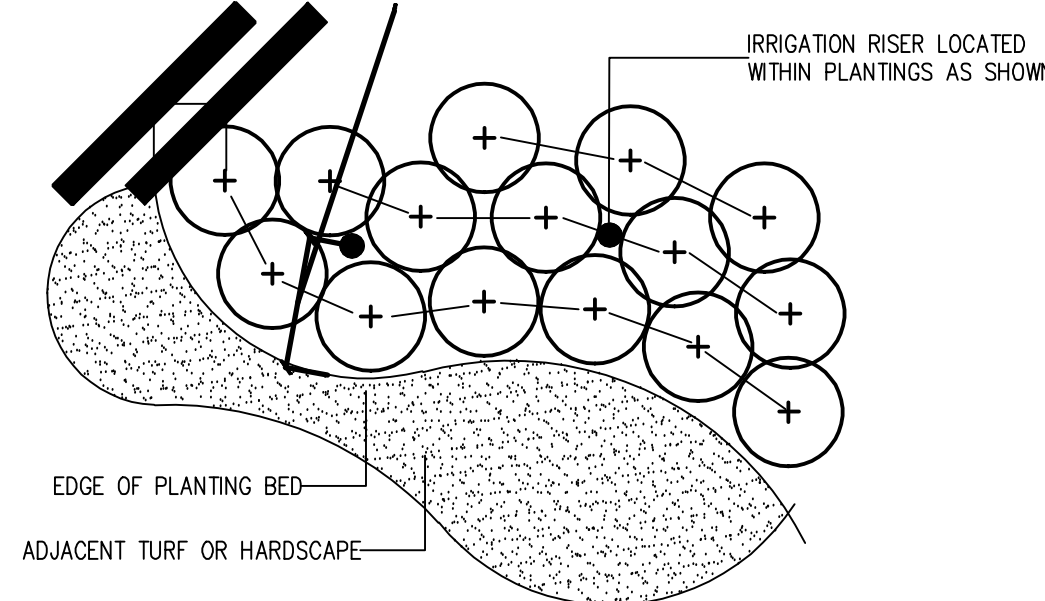
3 TREE SPRINKLER LOCATION
12-0

SCALE: N.T.S.



6 THRUST BLOCK CONFIGURATIONS
12-0

SCALE: N.T.S.



IRRIGATION RISER LOCATED WITHIN PLANTINGS AS SHOWN

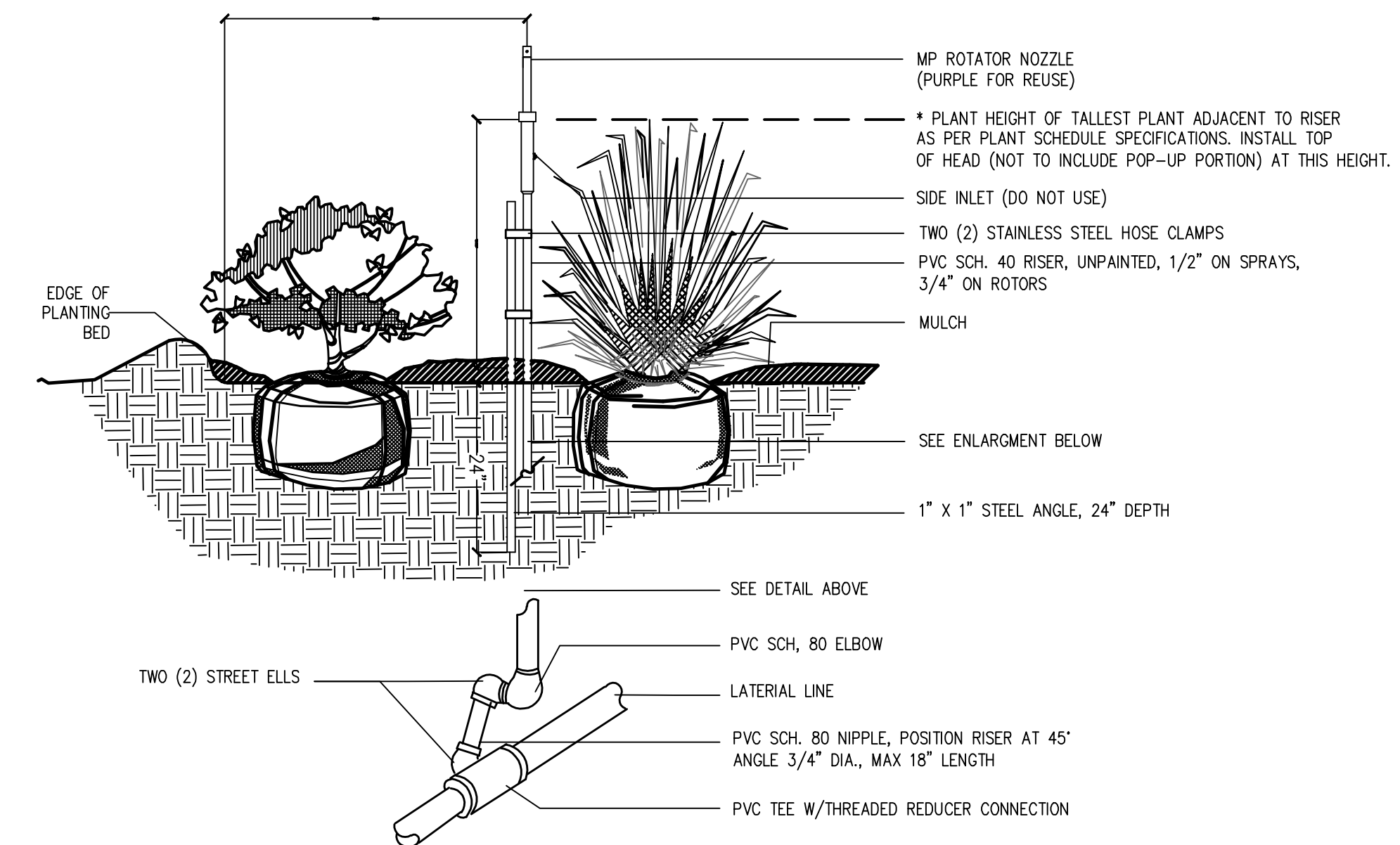
EDGE OF PLANTING BED
ADJACENT TURF OR HARDSCAPE

4 SPRAY/ROTOR LAYOUT IN SHRUB BED: PLAN
12-0

SCALE: N.T.S.

2 ZONE VALVE INSTALLATION
12-0

SCALE: N.T.S.



MP ROTATOR NOZZLE (PURPLE FOR REUSE)
* PLANT HEIGHT OF TALLEST PLANT ADJACENT TO RISER AS PER PLANT SCHEDULE SPECIFICATIONS. INSTALL TOP OF HEAD (NOT TO INCLUDE POP-UP PORTION) AT THIS HEIGHT.

SIDE INLET (DO NOT USE)
TWO (2) STAINLESS STEEL HOSE CLAMPS
PVC SCH. 40 RISER, UNPAINTED, 1/2" ON SPRAYS, 3/4" ON ROTORS

MULCH
SEE ENLARGMENT BELOW
1" X 1" STEEL ANGLE, 24" DEPTH

SEE DETAIL ABOVE

SEE DETAIL ABOVE

PVC SCH. 80 ELBOW

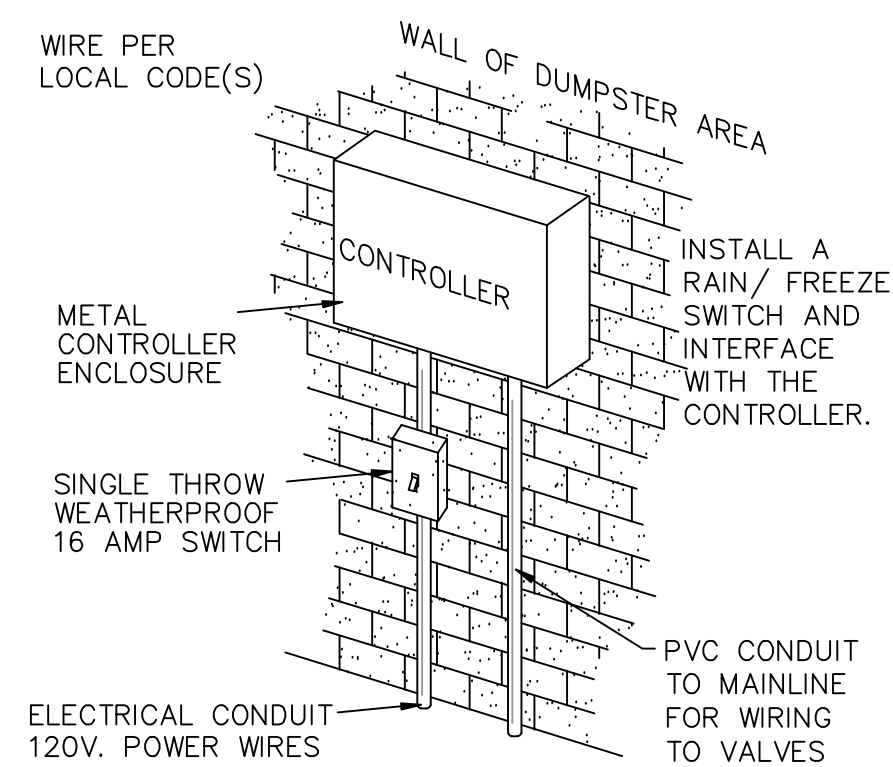
LATERAL LINE

PVC SCH. 80 NIPPLE, POSITION RISER AT 45° ANGLE 3/4" DIA., MAX 18" LENGTH

PVC TEE W/THREADED REDUCER CONNECTION

5 SPRAY/ROTOR LAYOUT IN SHRUB BED: SECTION
12-0

SCALE: N.T.S.



WIRE PER LOCAL CODE(S)

METAL CONTROLLER ENCLOSURE

SINGLE THROW WEATHERPROOF 16 AMP SWITCH

ELECTRICAL CONDUIT 120V. POWER WIRES

WALL OF DUMPSTER AREA

CONTROLLER

INSTALL A RAIN / FREEZE SWITCH AND INTERFACE WITH THE CONTROLLER.

PVC CONDUIT TO MAINLINE FOR WIRING TO VALVES

7 WALL MOUNT CONTROLLER INSTALLATION
12-0

SCALE: N.T.S.



Know what's below.
Call before you dig.

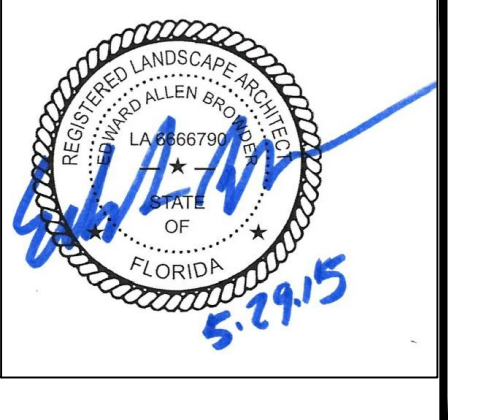
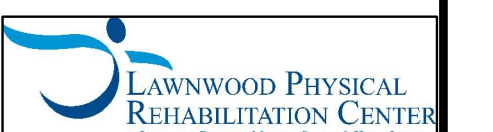
NOTE:
CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES AND SERVICE LINES PRIOR TO EXCAVATING FOR INSTALLATION OF PROPOSED AMENITIES & IRRIGATION.

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407 857-4405



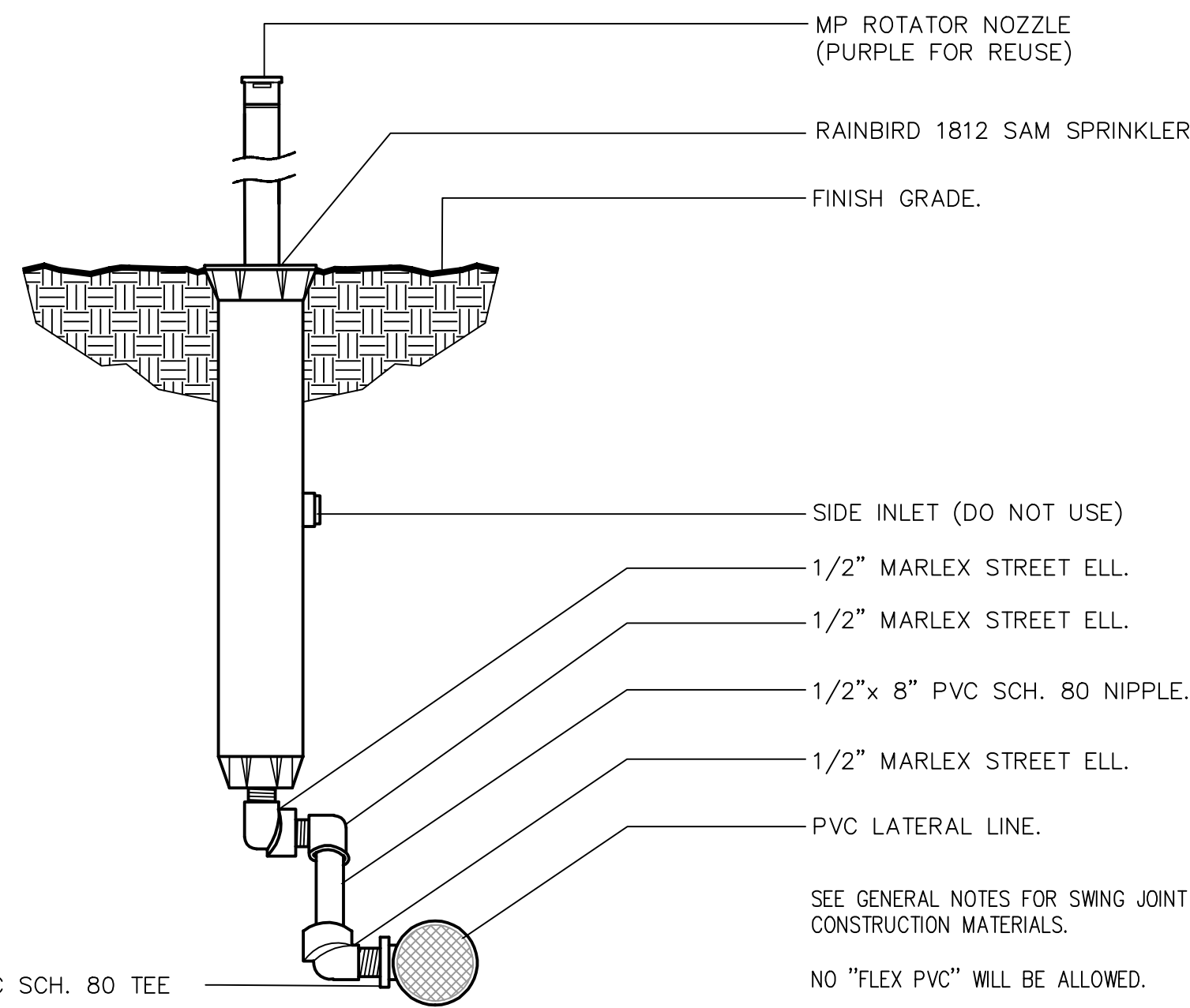
1615 Edgewater Drive, Suite 180, ORLANDO, FLORIDA 32804
T 407.975.1278 F 407.975.1278 www.littlejohn.com
Nashville | Chattanooga | Decatur | Huntsville | Knoxville | Orlando | Phoenix | Ft. Myers
George B. Huddleston, III P.E. 75668
Edward A. Browder P.L.A. LA6666790
Florida Firm Registration No. 28050

LAWNWOOD PHYSICAL REHABILITATION CENTER EXPANSION
FORT PIERCE, FLORIDA



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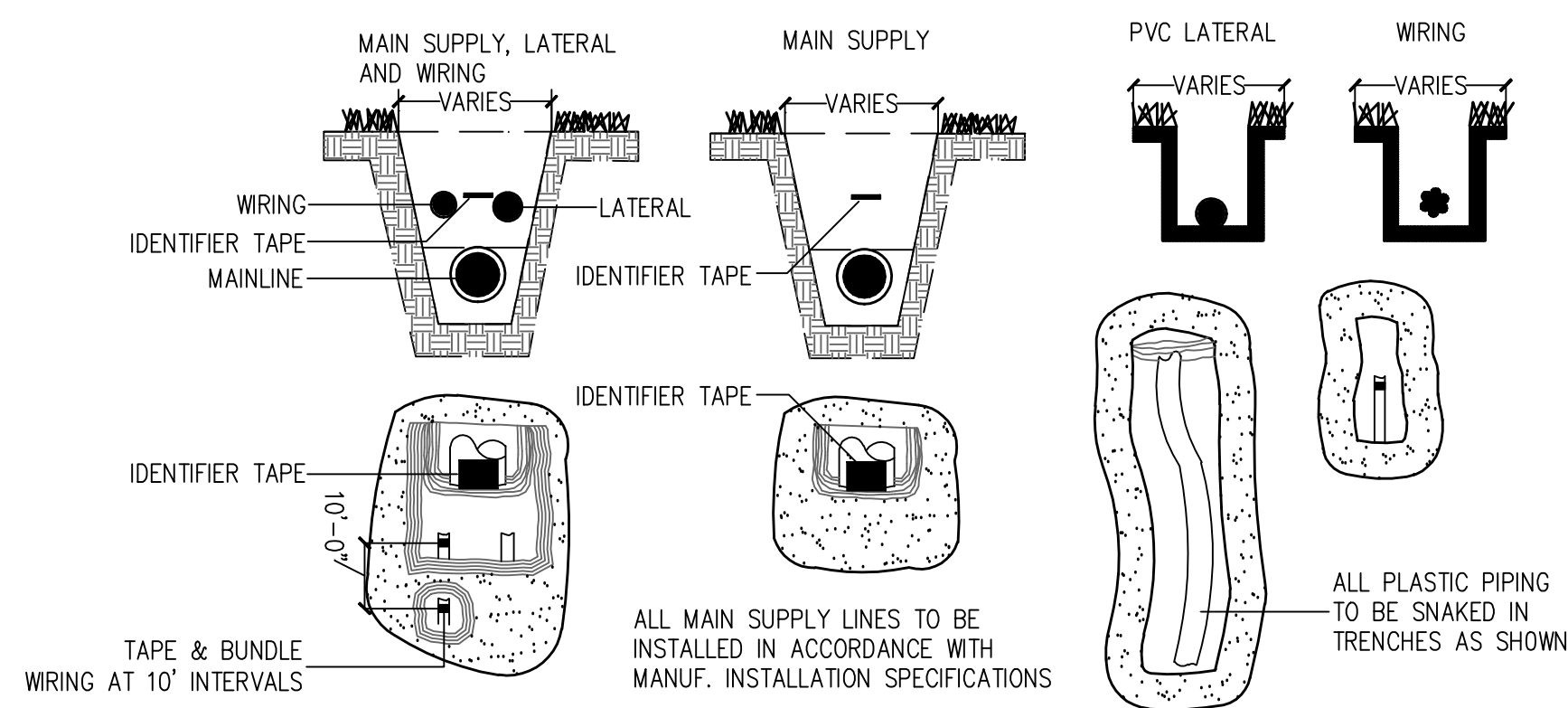
12.0
IRRIGATION DETAILS



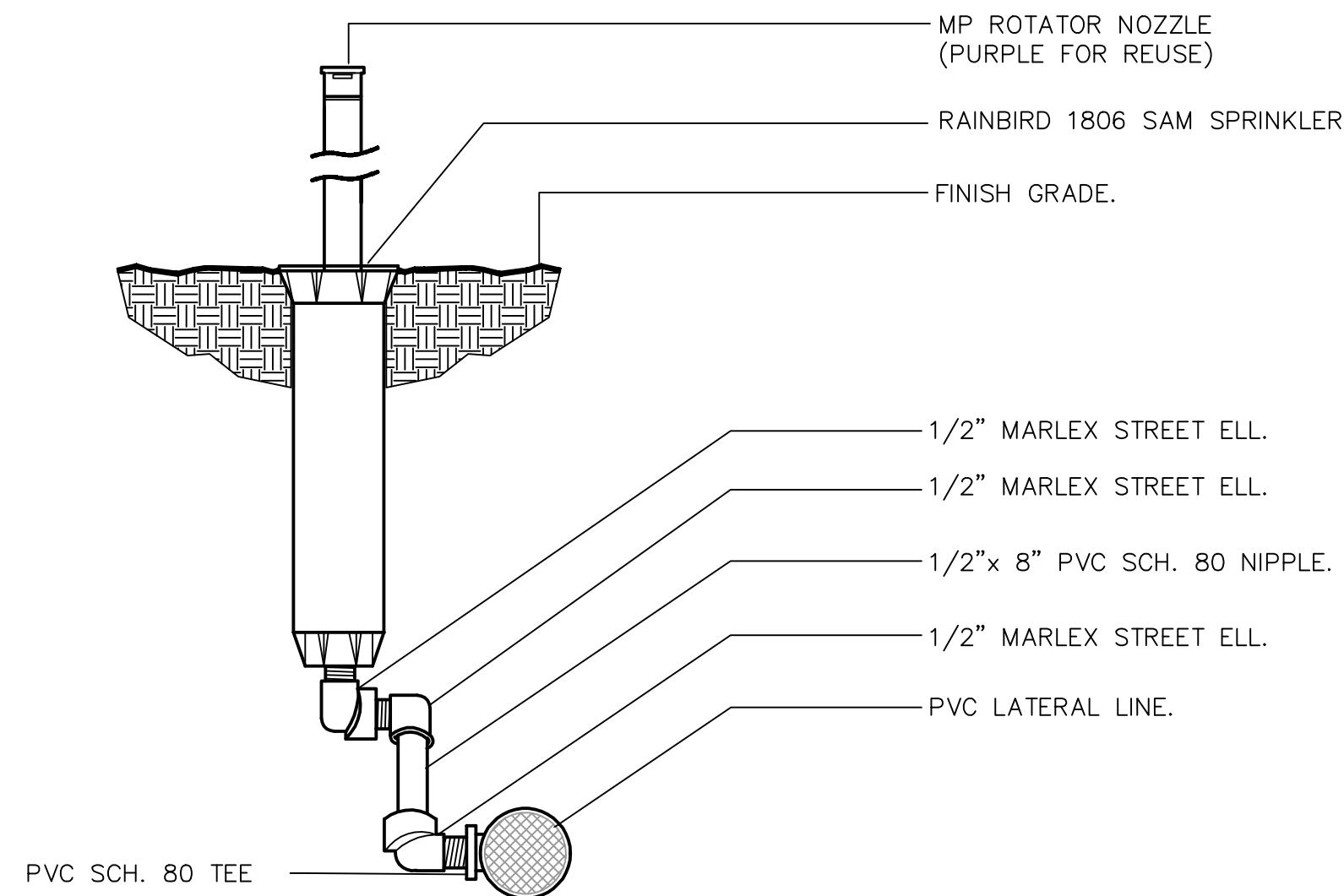
1 12" SPRAY HEAD AT GRADE DETAIL
SCALE: N.T.S.

1. Thrust block bearing areas shall be poured against undisturbed material. Where trench wall has been disturbed, excavate all loose material and extend to undisturbed material.
2. Extend thrust block for full length of fittings. Put board in front of plug before pouring concrete. Joints shall not be covered by thrust block.
3. Rough blocking forms shall be used along sides of thrust blocks.
4. Thrust blocks shall be used in combination, as required, to suit the specific fitting arrangement.
5. Alternate designed restraining systems shall be provided where standard thrust blocking is not suitable.
6. All wood blocking shall be pressure treated with preservative.
7. Install a plastic bearier (Visquine) between fittings and thrust block.

4 THRUST BLOCK NOTES
SCALE: N.T.S.



7 PIPE AND WIRE TRENCH CONFIGURATION
SCALE: N.T.S.

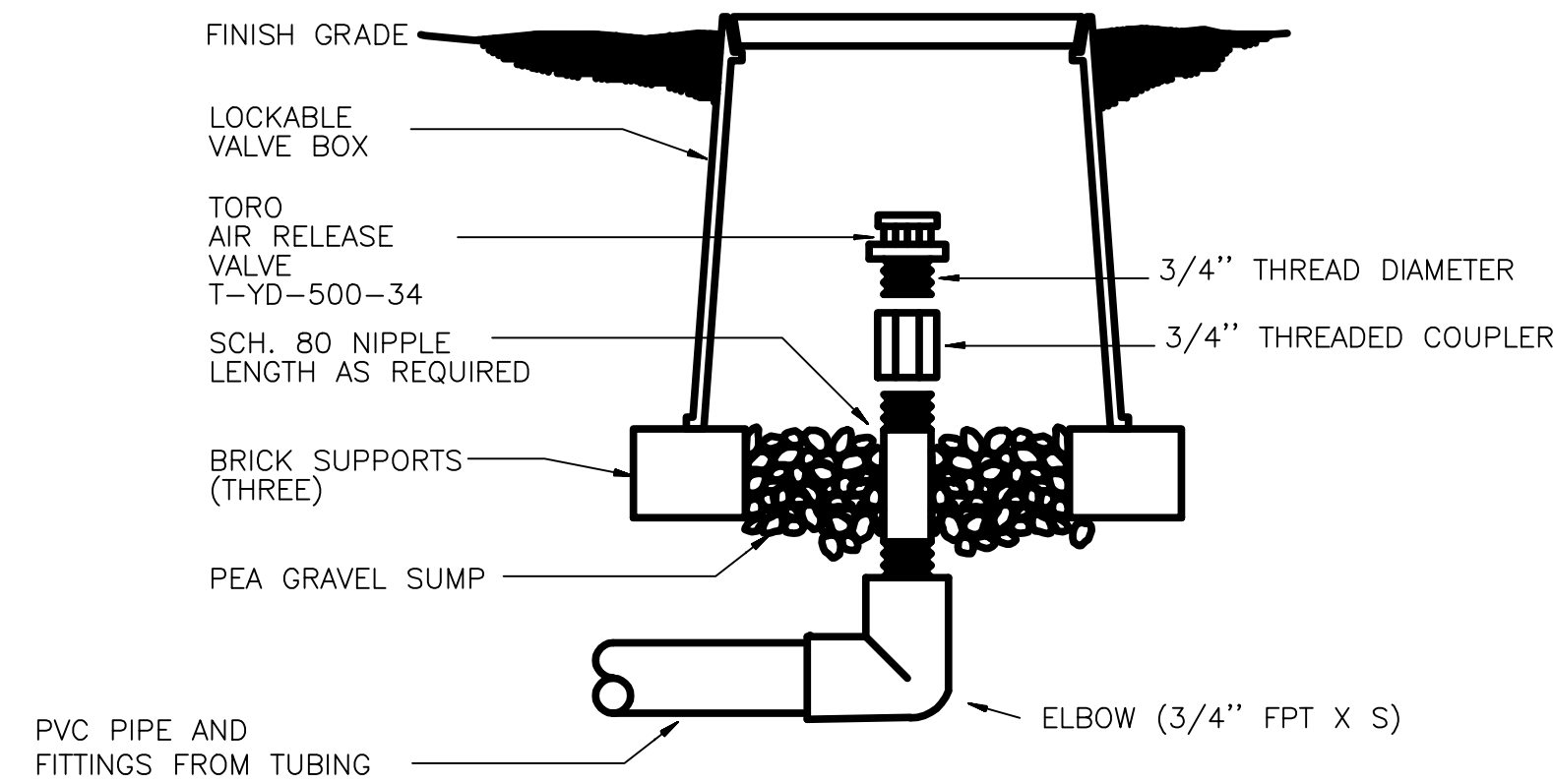


2 4" OR 6" SPRAY HEAD AT GRADE DETAIL
SCALE: N.T.S.

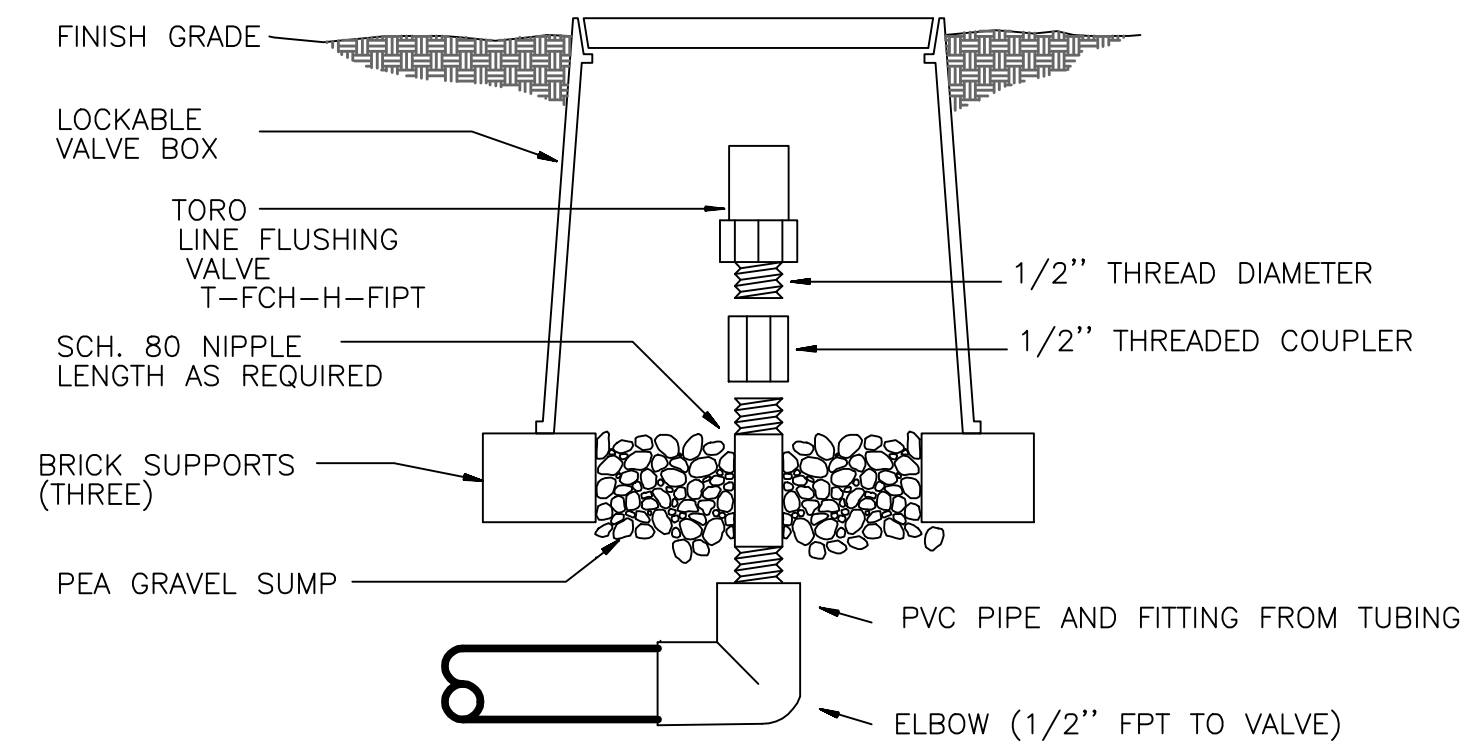
PIPE SIZE (inches)	90° BEND (Sq. Ft.)	45° BEND (Sq. Ft.)	22½° BEND (Sq. Ft.)	11½° BEND (Sq. Ft.)	TEE OR PLUG (Sq. Ft.)	DESIGN PRESSURE (P.S.I.)
2	.5	.3	.2	.1	.4	150

NOTE: Thrust block areas computed on basis of 2000 lbs. per sq. ft. soil resistance bearing.

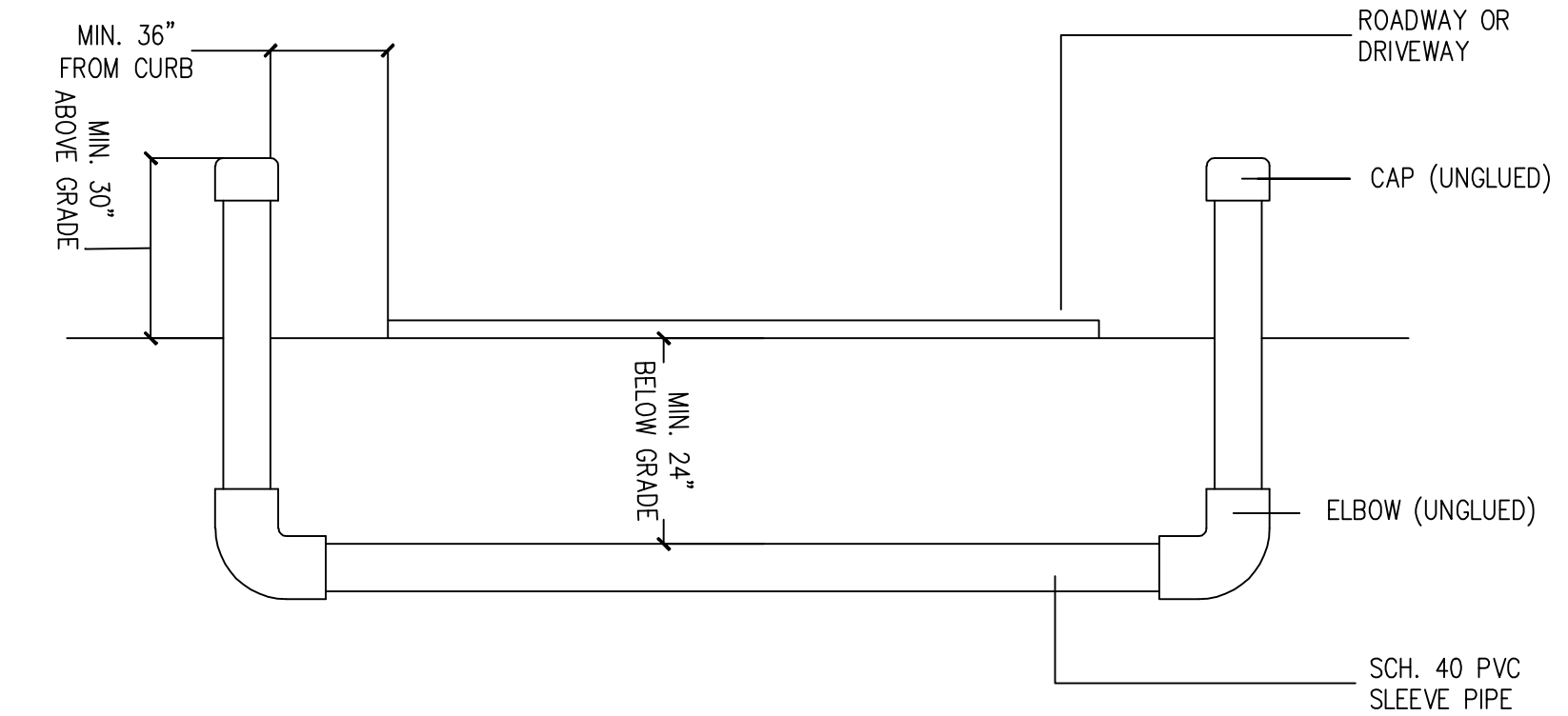
5 SCHEDULE OF THRUST BLOCK AREAS
SCALE: N.T.S.



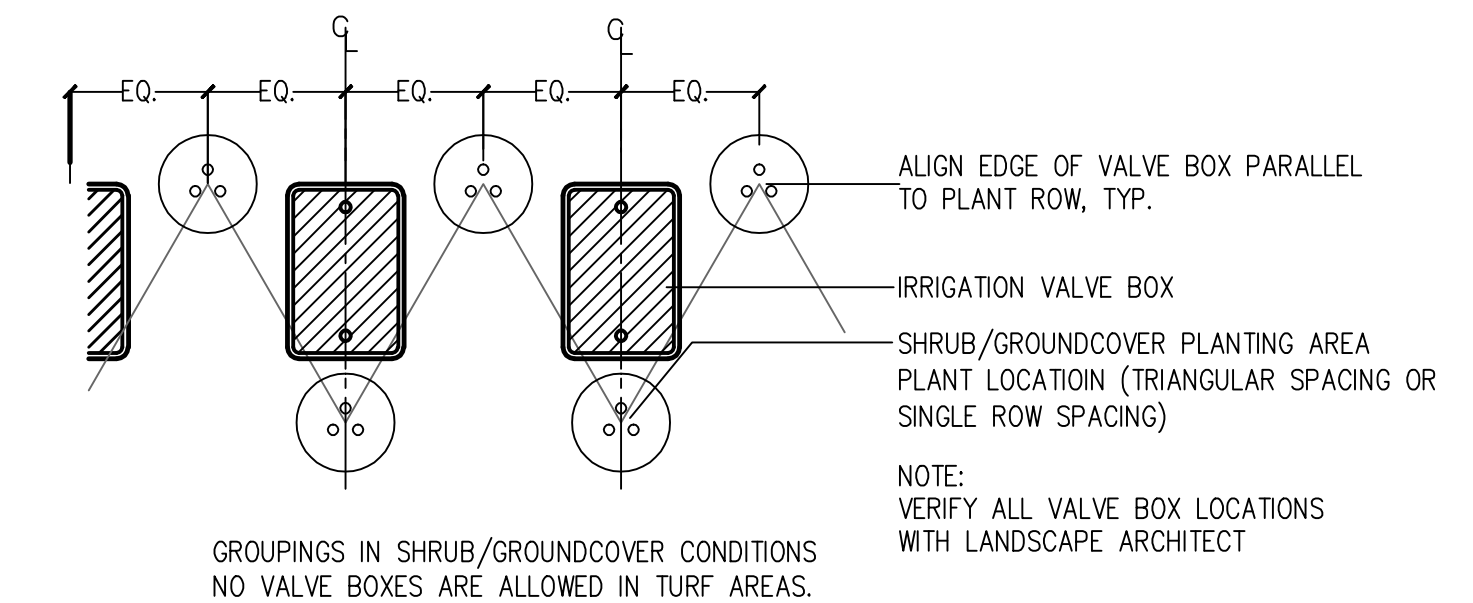
SECTION
8 VACUUM / AIR RELIEF VALVE
SCALE: N.T.S.



SECTION
3 LINE FLUSHING VALVE
SCALE: N.T.S.



6 SLEEVE DETAIL
SCALE: N.T.S.



9 TYPICAL VALVE BOX GROUPING
SCALE: N.T.S.



Know what's below.
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LAWNWOOD PHYSICAL REHABILITATION CENTER EXPANSION
FORT PIERCE, FLORIDA

LAWNWOOD PHYSICAL REHABILITATION CENTER

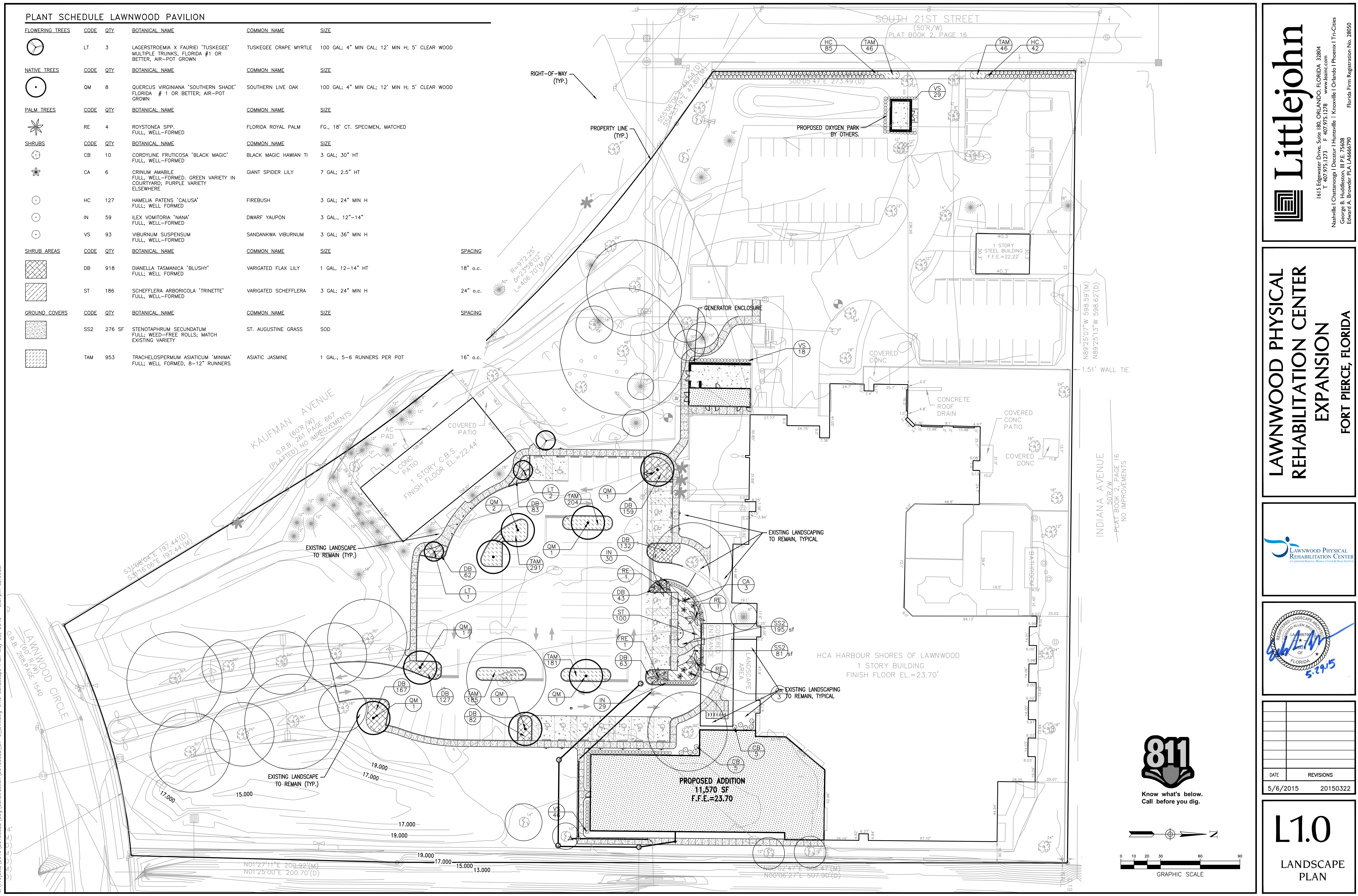


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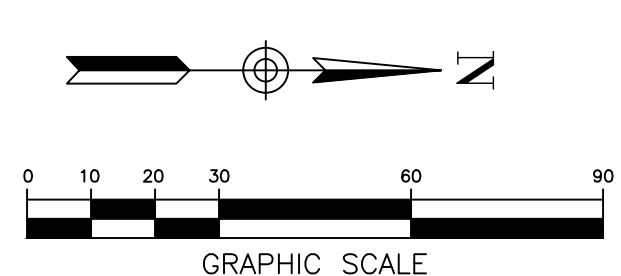
12.1
IRRIGATION DETAILS

PLANT SCHEDULE LAWNWOOD PAVILION

FLOWERING TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	
	LT	3	LAGERSTROEMIA X FAURIEI 'TUSKEGEE' MULTIPLE TRUNKS; FLORIDA #1 OR BETTER, AIR-POT GROWN	TUSKEGEE CRAPE MYRTLE	100 GAL; 4" MIN CAL; 12' MIN H; 5' CLEAR WOOD	
NATIVE TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	
	QM	8	QUERCUS VIRGINIANA 'SOUTHERN SHADE' FLORIDA #1 OR BETTER; AIR-POT GROWN	SOUTHERN LIVE OAK	100 GAL; 4" MIN CAL; 12' MIN H; 5' CLEAR WOOD	
PALM TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	
	RE	4	ROYSTONIA SPP. FULL, WELL-FORMED	FLORIDA ROYAL PALM	FG., 18" CT. SPECIMEN, MATCHED	
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	
	CB	10	CORDYLINE FRUTICOSA 'BLACK MAGIC' FULL, WELL-FORMED	BLACK MAGIC HAWIAN TI	3 GAL; 30" HT	
	CA	6	CRINUM AMABLE FULL, WELL-FORMED, GREEN VARIETY IN COURTYARD; PURPLE VARIETY ELSEWHERE	GIANT SPIDER LILY	7 GAL; 2.5" HT	
	HC	127	HAMELIA PATENS 'CALUSA' FULL, WELL-FORMED	FIREBUSH	3 GAL; 24" MIN H	
	IN	59	ILEX VOMITORIA 'NANA' FULL, WELL-FORMED	DWARF YAUPON	3 GAL., 12"-14"	
	VS	93	VIBURNUM SUSPENSUM FULL, WELL-FORMED	SANDANKWA VIBURNUM	3 GAL; 36" MIN H	
SHRUB AREAS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
	DB	918	DIANELLA TASMANICA 'BLUSHY' FULL; WELL-FORMED	VARIGATED FLAX LILY	1 GAL, 12-14" HT	18" o.c.
	ST	186	SCHEFFLERA ARBORICOLA 'TRINETTE' FULL, WELL-FORMED	VARIGATED SCHEFFLERA	3 GAL; 24" MIN H	24" o.c.
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
	SS2	276 SF	STENOTAPHRUM SECUNDATUM FULL; WEED-FREE ROLLS; MATCH EXISTING VARIETY	ST. AUGUSTINE GRASS	SOD	
	TAM	953	TRACHELOSPERMUM ASIATICUM 'MINIMA' FULL; WELL-FORMED, 8-12" RUNNERS	ASIATIC JASMINE	1 GAL., 5-6 RUNNERS PER POT	16" o.c.

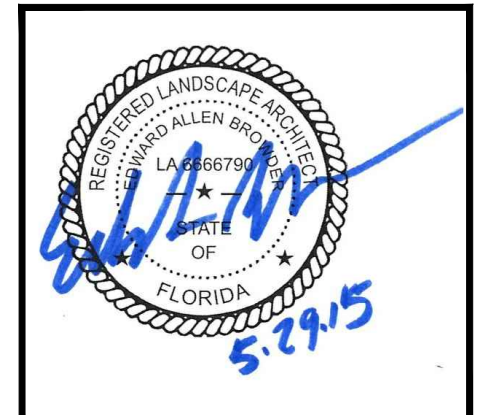


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LAWNWOOD PHYSICAL REHABILITATION CENTER EXPANSION FORT PIERCE, FLORIDA



DATE	REVISIONS
5/6/2015	20150322

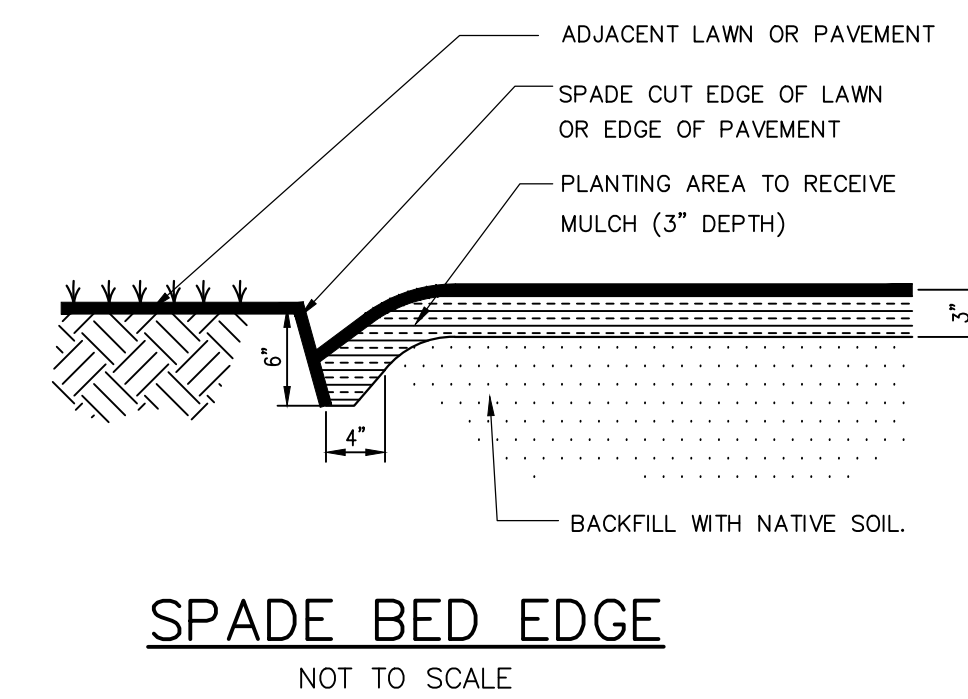
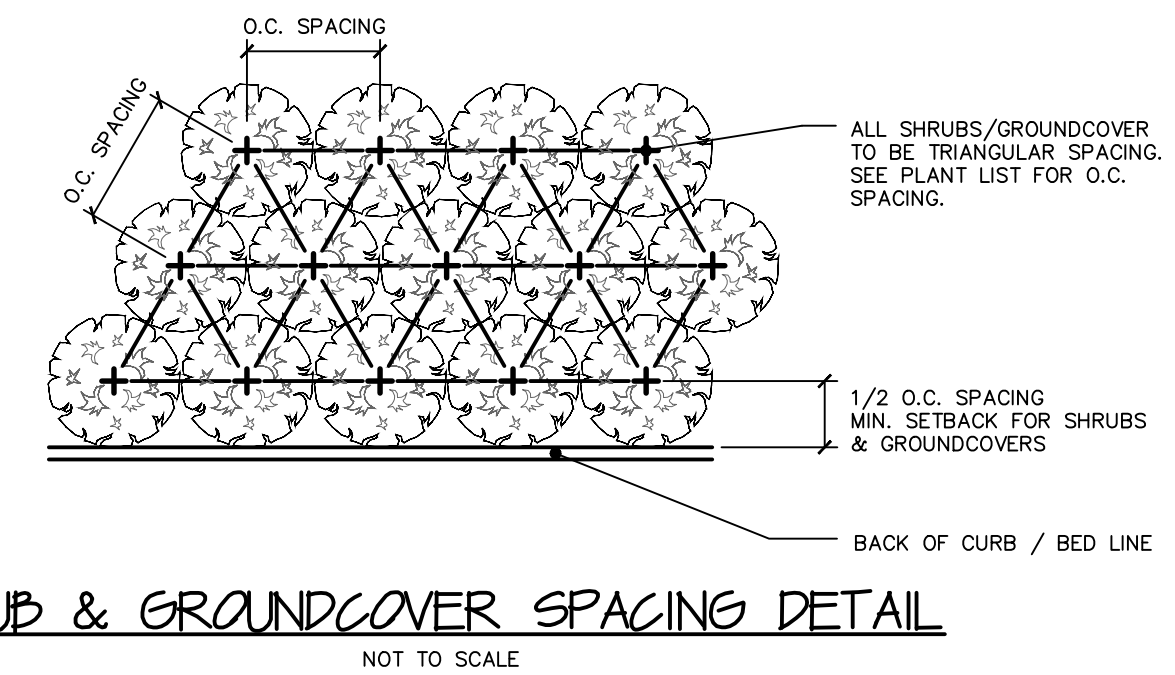
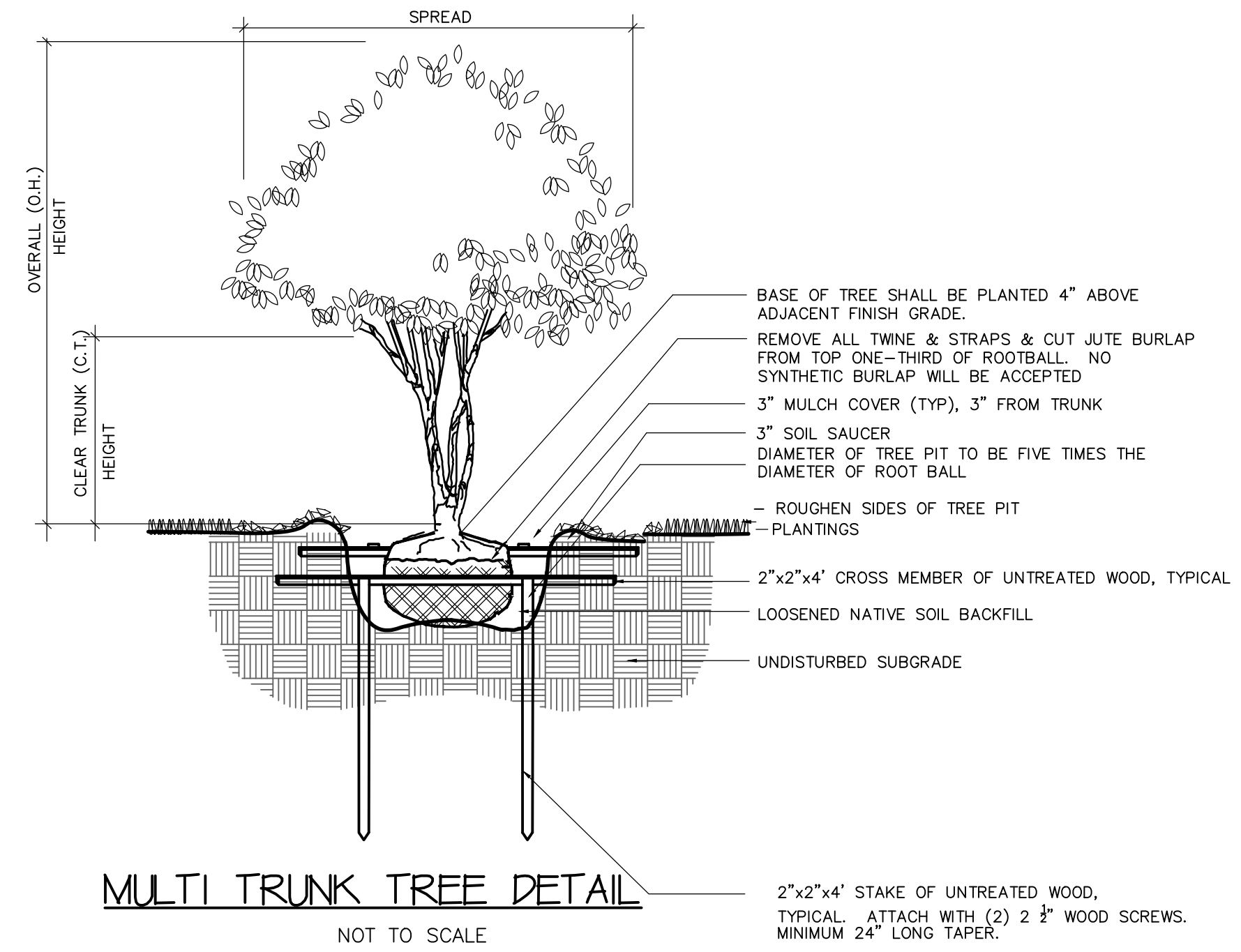
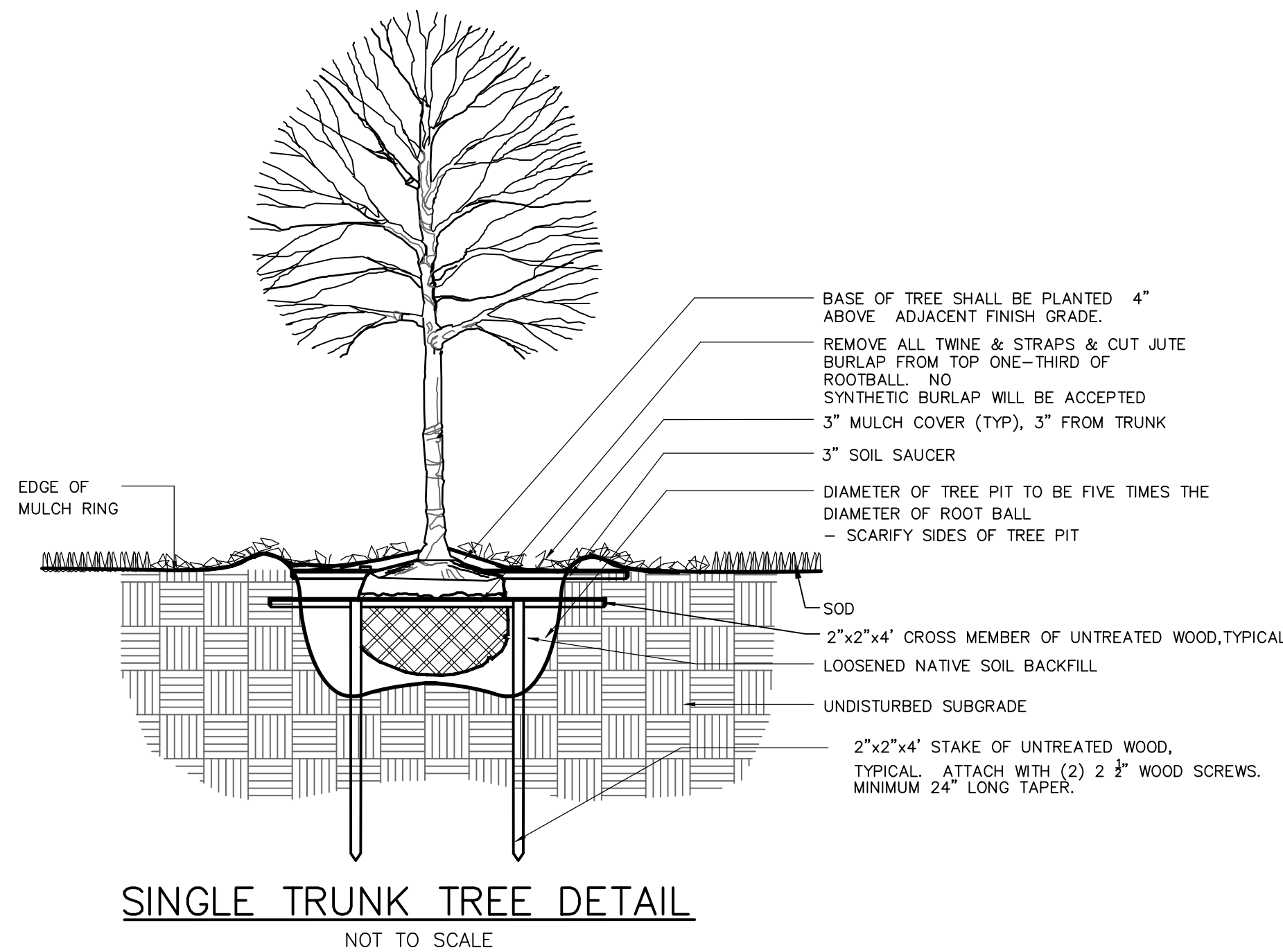
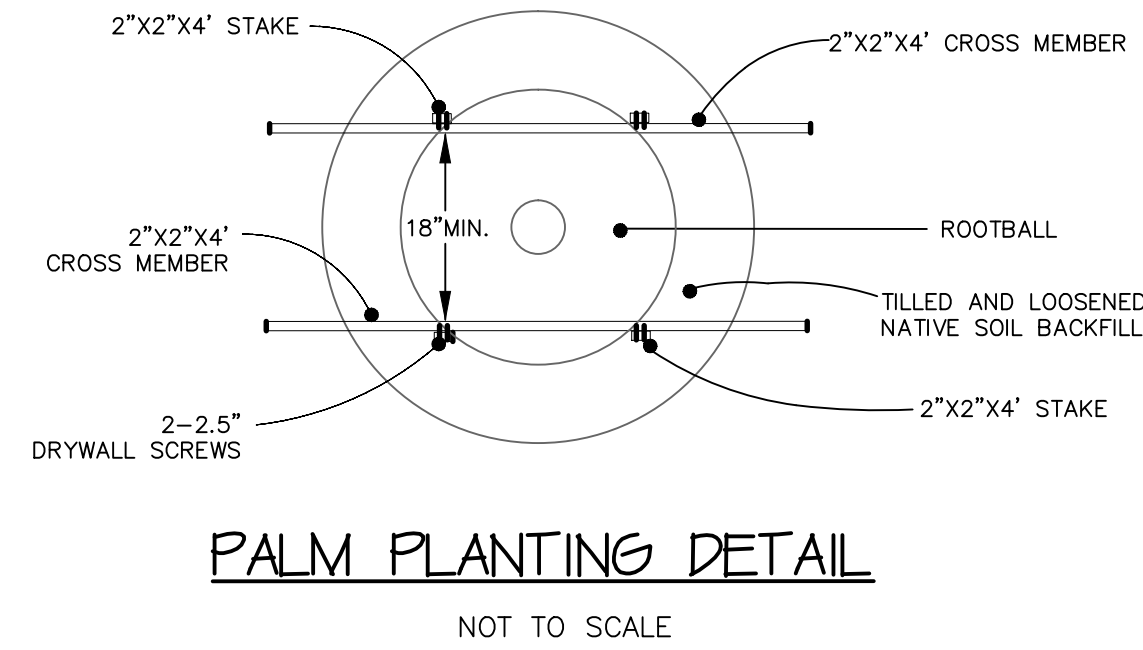
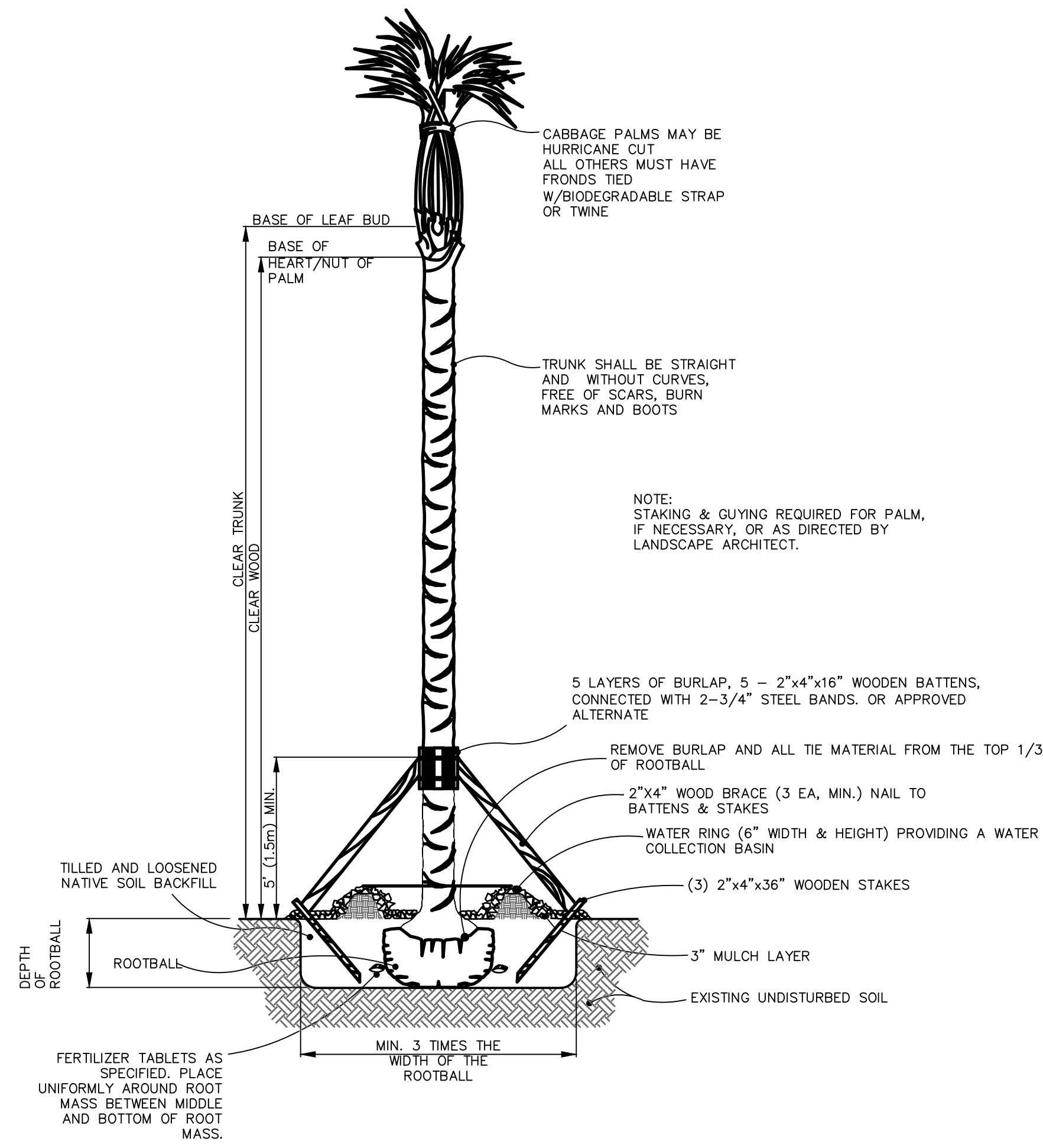
L1.0 LANDSCAPE PLAN

IRRIGATION NOTES:

- CONTRACTOR TO COORDINATE WITH LANDSCAPE ARCHITECT REGARDING LIMITS OF IRRIGATION AND SYSTEM/MAIN LINE SIZING FOR FUTURE DEVELOPMENT NEEDS.
- CONTRACTOR TO CONFIRM ADEQUATE PRESSURE EXISTS TO OPERATE SYSTEM PRIOR TO INSTALLATION. CONTRACTOR TO SPECIFY METER, BACKFLOW AND VALVE SIZE REQUIREMENTS.
- IRRIGATION SPRINKLER HEADS SHALL BE MANUFACTURED BY EITHER TORO OR RAINGIRD. IRRIGATION CONTROLLER SHALL BE TORO VISION II MODEL OR APPROVED EQUAL. CONTRACTOR TO VERIFY WITH OWNER'S MAINTENANCE STAFF.
- MAIN LINE TO BE CLASS 200 PVC PIPE. LATERAL LINES TO BE CLASS 150 PVC.
- IRRIGATION SYSTEM TO BE OPERATIONAL BEFORE PLANTING MATERIALS MAY BE INSTALLED IN PLANTING BEDS.
- INSTALL SPRINKLER HEADS ACCORDING TO MANUFACTURERS SPECIFICATIONS. FLUSH ALL LINES BEFORE INSTALLING NOZZLES.
- WIRE CONNECTIONS TO BE MADE BY USING RAINGIRD MODEL ST-103/PT-ST SNAP-TITE CONNECTIONS.
- LEAVE 18 INCHES OF ADDITIONAL WIRE AT EACH VALVE LOCATION. ROLL WIRE INTO COIL AT EACH LOCATION.
- ALL VALVES SHALL BE LOCATED IN AMATEX 10 INCH CIRCULAR VALVE BOXES WITH COVER, OR EQUAL.
- IRRIGATION CONTRACTOR TO COORDINATE PLACEMENT OF REQUIRED SLEEVES WITH GENERAL CONTRACTOR PRIOR TO PAVING AND CONCRETE INSTALLATION BEING COMPLETED.
- SPRINKLERS IN PARKING PACE OVERHANGS SHALL BE LOCATED 18" BACK OF CURB.
- SPRINKLERS IN ALL LANDSCAPE AREAS SHALL CLEAR ALL PLANT MATERIALS WHEN IN OPERATION.
- ALL EXPOSED PVC PIPE SHALL BE PAINTED FLAT BLACK.

PLANTING NOTES

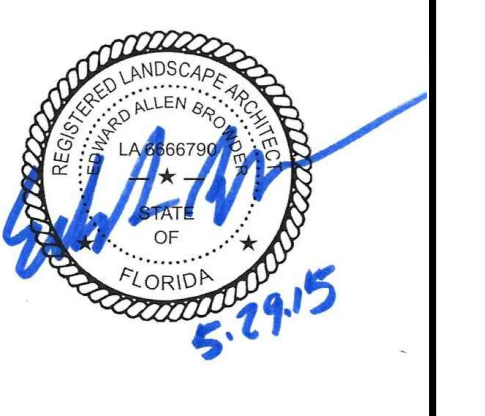
- BASE INFORMATION WAS TAKEN FROM A SURVEY PREPARED BY SOTHERS, LITTLEJOHN AND ANY OF THEIR CONSULTANTS SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY AND/OR COMPLETENESS OF THAT INFORMATION SHOWN HEREON OR ANY ERRORS OR OMISSIONS RESULTING FROM SUCH.
- IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO CONFIRM ALL MATERIAL QUANTITIES. IN THE EVENT OF A DISCREPANCY, THE QUANTITIES SHOWN ON THE PLAN SHALL TAKE PRECEDENCE OVER THE MATERIAL SCHEDULE.
- NO SUBSTITUTIONS AS TO TYPE, SIZE, OR SPACING OF PLANT MATERIALS SPECIFIED ON THIS PLAN MAY BE MADE WITHOUT THE APPROVAL OF THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN, REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AND AT CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY. SOME UNDERGROUND UTILITIES WILL HAVE TO BE ADJUSTED TO ALLOW FOR THE INSTALLATION OF PROPOSED TREES.
- ALL PLANTING BEDS TO RECEIVE MULCH AS SPECIFIED. SEE SPECIFICATION MANUAL.
- NEW TREE PLANTINGS TO BE STAKED PER PLANTING DETAILS.
- DIMENSIONS LISTED FOR HEIGHTS, SPREAD AND TRUNK SPECIFICATIONS ON THE PLANT MATERIAL SCHEDULE ARE GENERAL GUIDE FOR THE MINIMUM REQUIRED SIZE OF EACH PLANT. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR INSTALLING PLANT MATERIAL THAT MEETS OR EXCEEDS LOCAL CODE REQUIREMENTS.
- PRE-EMERGENT HERBICIDE SHALL BE APPLIED TO ALL PLANTING BEDS IMMEDIATELY PRIOR TO PLACEMENT OF MULCH FOR WEED CONTROL.
- ALL DISTURBED AREAS OF THE SITE ARE TO BE SODDED WITH ST. AUGUSTINE SOD TO MATCH EXISTING.
- NO EXCAVATION OR PLANTING PIT SHALL BE LEFT OPEN OVERNIGHT.
- THE LANDSCAPE CONTRACTOR SHALL OBTAIN ANY NECESSARY PERMITS, LICENSES, ETC. AND SHALL GIVE ALL NOTICES AND COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, CODES, RULES AND REGULATIONS DURING THE COURSE OF THE INSTALLATION OF THIS PROJECT.
- ALL PLANT MATERIALS TO BE NURSERY GROWN AND TO COMPLY WITH THE AMERICAN STANDARD FOR NURSERY STOCK FOR SIZE AND QUALITY.
- THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REFUSE ANY PLANT MATERIAL OR ANY DEFECTIVE WORKMANSHIP.
- ALL PLANTS SHALL HAVE A WELL-FORMED HEAD WITH MINIMUM CALIPER, HEIGHT AND SPREAD OF THE SIDE BRANCHES AS SHOWN ON THE PLANT LIST. TRUNKS SHALL BE UNDAUNAGED AND SHAPE SHALL BE TYPICAL OF THE SPECIES.
- MEASUREMENT OF CONIFER HEIGHT SHALL INCLUDE NOT MORE THAN FIFTY PERCENT (50%) OF THIS YEARS VERTICAL GROWTH (TOP CANDLE).
- THE LANDSCAPE CONTRACTOR WILL BE RESPONSIBLE FOR STAKING AND LAYOUT OF PLANTINGS ON THIS PROJECT. THE LANDSCAPE ARCHITECT OR OWNER SHALL BE ADVISED WHEN STAKES ARE READY FOR INSPECTION ON VARIOUS PLANTING AREAS. ALL LAYOUT WORK SHALL BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER PRIOR TO OPENING ANY PLANT PITS.
- IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO VERIFY THAT EACH EXCAVATED TREE OR SHRUB PIT WILL PERCOLATE (DRAIN) PRIOR TO ADDING TOPSOIL AND INSTALLING TREES OR SHRUBS. THE CONTRACTOR SHALL FILL THE BOTTOM OF SELECTED HOLES WITH SIX INCHES OF WATER. THIS WATER SHOULD PERCOLATE OUT WITHIN A 24-HOUR PERIOD. THE OWNER OR LANDSCAPE ARCHITECT SHALL VERIFY ACCURACY AND EFFECT OF PERCOLATION TESTING. IF THE SOIL AT A GIVEN AREA DOES NOT DRAIN PROPERLY, A P V C DRAIN OR GRAVEL SUMP SHALL BE INSTALLED OR THE PLANTING RELOCATED.
- SHOULD THE LANDSCAPE CONTRACTOR ENCOUNTER UNSATISFACTORY SURFACE OR OTHER SUBSURFACE DRAINAGE CONDITIONS, SOIL DEPTH, LATENT SOILS, HARD PAN, STEAM OF OTHER UTILITY LINES OR OTHER CONDITIONS THAT WILL JEOPARDIZE THE HEALTH AND WORK OF THE PLANTS, HE MUST ADVISE THE LANDSCAPE ARCHITECT IN WRITING OF THE CONDITIONS PRIOR TO INSTALLING THE PLANTS, OTHERWISE THE LANDSCAPE CONTRACTOR WARRANTS THAT THE PLANTING AREAS ARE SUITABLE PROPER GROWTH AND DEVELOPMENT OF THE PLANTS TO BE INSTALLED.
- NO MATERIAL SHALL BE PLANTED BEFORE FINISH GRADING HAS BEEN COMPLETED.
- EXISTING TREES TO BE PRESERVED ARE TO BE BARRICADED BEFORE BEGINNING CONSTRUCTION. IN ACCORDANCE WITH THE TREE PRESERVATION NOTES AND DETAILS ON THE CIVIL EROSION CONTROL PLANS.
- SELECTIVE CLEARING CONSISTING OF REMOVAL OF VINES, SAPLINGS UNDER 1" DIAMETER AND UNDERBRUSH SHALL BE PERFORMED IN TREE PRESERVATION AREAS INTERNAL TO THE PROJECT AND NOTED ON PLANS.
- ALL BEDS ARE TO BE TILLED TO A DEPTH OF 8" WITH THE ADDITION OF: (1) 6 CU. FT. BALE OR SPHAGNUM PEAT MOSS PER 40 SQ. FT. OF BED AREA; FERTILIZER AS PER SOIL TEST RECOMMENDATION. ALL ADDITIONS ARE TO BE SPREAD AND TILLED INTO THE SOIL UNIFORMLY.
- CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT WHEN THE PLANT MATERIALS ARE AVAILABLE AT THE JOB SITE FOR REVIEW BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.



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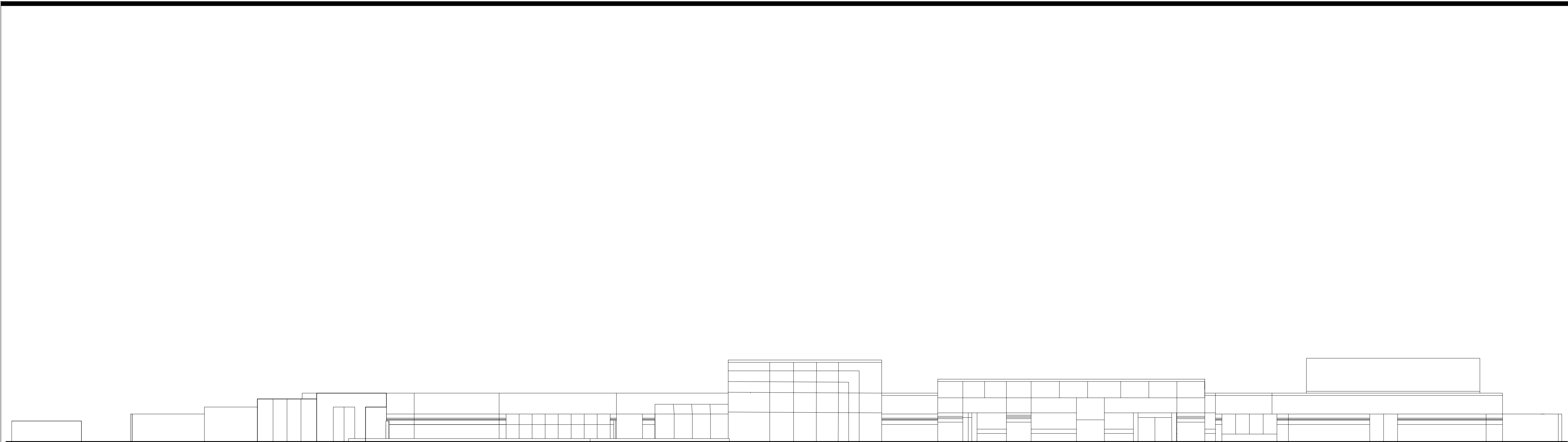
LAWNWOOD PHYSICAL REHABILITATION CENTER EXPANSION FORT PIERCE, FLORIDA



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L2.0 LANDSCAPE DETAILS





NEW ELEC. ROOM MECH./ELEC. SUPPORT BEHAVIORAL HEALTH DINING GYM MAIN DROP OFF CANOPY NEW ADDITION

1 ELEVATION SOUTH ELEVATION
1/16" = 1'-0"

EXTERIOR MATERIALS/COLORS:

- WALL - EIFS - MATCH EXISTING GOLD
- WINDOWS/DOORS - DARK BROWN FRAMES, BRONZE TINTED GLASS - MATCH EXISTING
- ROOF SCREEN - PERFORATED METAL PANEL - NATURAL FINISH - GALVANIZED

#	DATE	CHANGE DESCRIPTION

LAWNWOOD PHYSICAL REHABILITATION CENTER
AT LAWNWOOD REGIONAL MEDICAL CENTER & HEART INSTITUTE

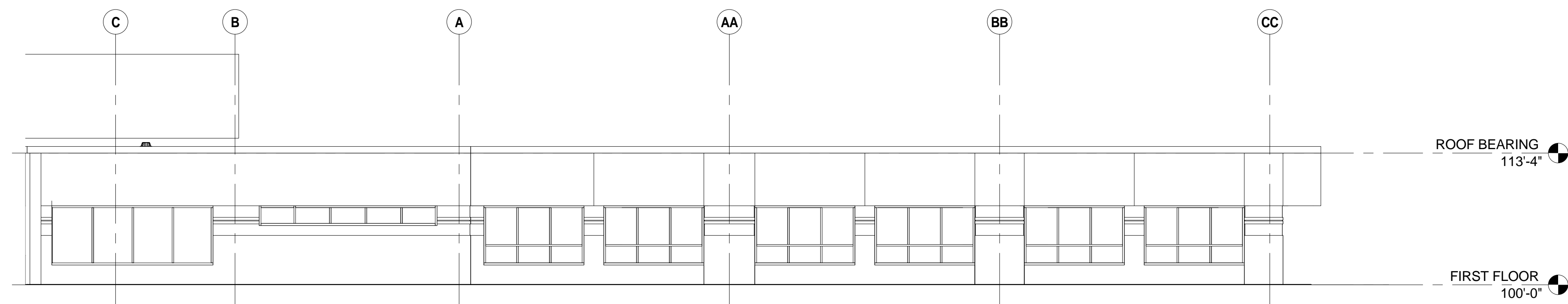
Lawnwood Medical Center Expansion & Renovation
1860 N. Lawnwood Circle Fort Pierce, FL 34950
for
HCA

MOODY•NOLAN
RESPONSIVE ARCHITECTURE

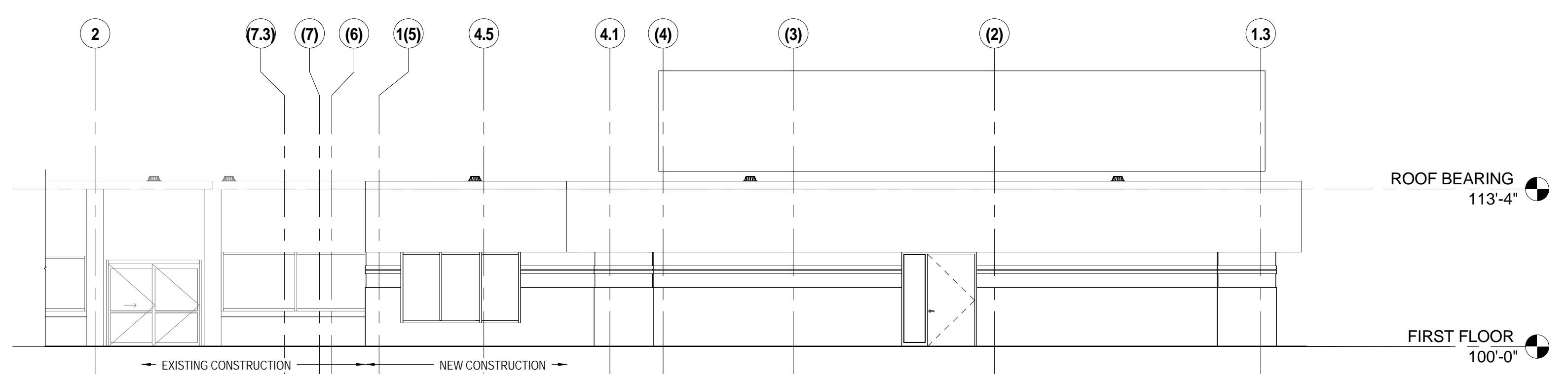
300 Spruce Street Suite 300 Columbus, Ohio 43215
Phone: (614) 461-4664 Fax: (614) 280-8881
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DANIEL R. PICKETT
FLA NO: AR-91699

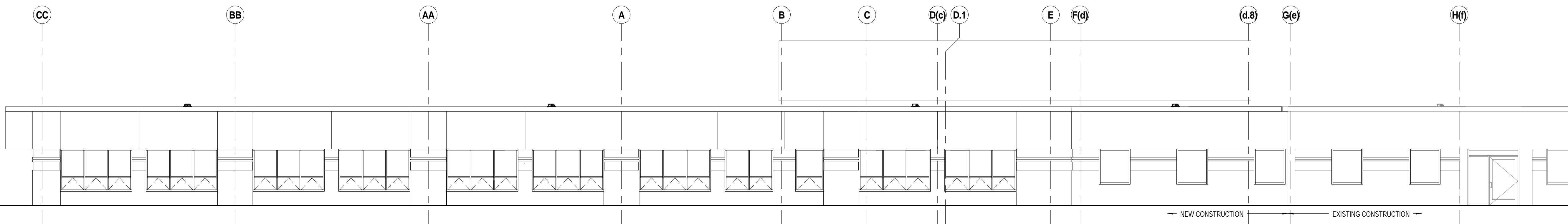
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EXTERIOR ELEVATIONS		A200
CONSTRUCTION DOCUMENTS		05/05/15



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



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



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

EXTERIOR MATERIALS/COLORS:
 - WALL - EIFS - MATCH EXISTING GOLD
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 AT LAWNWOOD REGIONAL MEDICAL CENTER & HEART INSTITUTE

Lawnwood Medical Center Expansion & Renovation
 1860 N. Lawnwood Circle Fort Pierce, FL 34950

for
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 STATE OF FLORIDA
 REGISTERED ARCHITECT
 DANIEL R. PICKETT
 FLA NO: AR-91699

Dwg. Coord.: Author Tech. Coord.: Checker 15078.01

EXTERIOR ELEVATIONS
 CONSTRUCTION DOCUMENTS

A300
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