

***STANDARD SCDHEC NOTES**

- IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- STABLE AS HIGH MEASUREMENTS SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
 - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
 - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION, FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
- ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
- RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SCR100000.
- TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
- LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
- A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
- INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
- MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPs (SEDIMENT BASIN, FILTER BAG, ETC.).
- THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
 - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
 - WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
 - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
 - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
- AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
- IF EXISTING BMPs NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
- A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

* COPIED FROM "STORMWATER MANAGEMENT AND SEDIMENT AND EROSION CONTROL PLAN REVIEW CHECKLIST FOR DESIGN PROFESSIONALS" FILE NAME CHECKLIST.DOC, UPDATED 12/2012, PG. 11 - 12

UTILITY NOTES:

- ALL WORK SHOWN SHALL BE DONE IN ACCORDANCE WITH THESE PLANS AND SITE WORK SPECIFICATIONS.
- ALL NECESSARY PERMITS AND APPROVALS FROM AGENCIES GOVERNING THIS WORK SHALL BE SECURED PRIOR TO BEGINNING CONSTRUCTION.
- EXISTING UTILITY LINES SHOWN ARE APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LINE LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY DEVIATIONS FROM THE DESIGN LOCATIONS SHALL BE REPORTED TO THE OWNER AND ENGINEER PRIOR TO CONSTRUCTION. CALL PUPS 1-800-922-0983 AND GSWSA 1-843-443-8200 FOR UTILITY LINE LOCATION.
- CONTRACTOR SHALL REFER TO ARCHITECT'S PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE SANITARY SEWER, LATERALS, ELECTRICAL, TELEPHONE AND GAS SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND TO ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH THE REGULATORY AGENCY AS TO THE LOCATION AND SCHEDULING OF THE TIE-INS/CONNECTIONS TO THEIR FACILITIES.
- THE SITE WORK CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL UNDERGROUND UTILITIES WITH HIS WORK. ALL UNDERGROUND UTILITIES (WATER, SANITARY SEWER, STORM SEWER, ELECTRICAL CONDUIT, IRRIGATION SLEEVES, AND ANY OTHER MISCELLANEOUS), SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF BASE COURSE MATERIAL.
- ALL WATER & SEWER CONSTRUCTION SHALL MEET OR EXCEED THE STANDARDS AND SPECIFICATIONS OF THE GRAND STRAND WATER AND SEWER AUTHORITY.
- SEWER LATERALS SHALL BE PLUGGED AT THE PROPERTY LINE. MARK SEWER END WITH TREATED POST PLACED IN GROUND.
- WHERE FIELD INSPECTIONS ARE REQUIRED BY THE REGULATORY AGENCIES, THE CONTRACTOR SHALL NOTIFY THE ENGINEERING DIVISION A MINIMUM OF 48 HOURS IN ADVANCE TO SCHEDULE SUCH INSPECTIONS.
- ALL WATER TO MAINTAIN 36" COVER, SEWER TO MAINTAIN 36" COVER.
- THE SEWER SYSTEM IS DESIGNED TO BE ABOVE THE 50 YEAR FLOOD ELEVATION.
- A PUBLIC ENTITY SHALL BE RESPONSIBLE FOR THE OPERATION, MAINTENANCE, AND REPLACEMENT OF ALL SYSTEM COMPONENTS BEGINNING WITH THE SOLIDS INTERCEPTOR TANKS AND PUMPING SYSTEMS. PROPOSALS BY PRIVATE ENTITIES SHALL BE EVALUATED ON A CASE-BY-CASE BASIS. THE DEPARTMENT MAY EVALUATE THE CAPABILITY OF RELIABLE SYSTEM OPERATION IN ITS EVALUATION.
- WATER & SEWER SERVICES WILL BE 2 FT FROM THE PROPERTY LINE OR 5 FT FROM A OR DRAINAGE EASEMENT.
- THERE WILL BE A MINIMUM OF 10 FT HORIZONTAL SEPARATION BETWEEN THE WATER AND SEWER UTILITIES.
- THERE SHALL BE A MINIMUM OF 18 INCHES VERTICAL SEPARATION BETWEEN ALL UTILITY LINES.

CONSTRUCTION NOTES:

- CONTRACTOR SHALL ADJUST ANY MANHOLE RIM BY 3-1/2" (1 COURSE) UP OR DOWN TO FIT FIELD CONDITIONS. AT NO ADDITIONAL COST TO THE ENGINEER OR THE OWNER. ADJUSTMENTS ABOVE ONE COURSE FOR THE MANHOLE RIMS SHALL BE APPROVED BY THE ENGINEER.
- PROPOSED FIRE HYDRANTS LOCATED IN FIELD SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY'S SPECIFICATIONS AS SHOWN ON THE FIRE HYDRANT DETAILS. ANY SHOWN ON PLANS, LOCATION AND SCALE HAVE BEEN MODIFIED FOR CLARITY. DO NOT SCALE THE FIRE HYDRANT LOCATIONS FROM THE PLAN.
- PROPOSED CATCH BASIN GRATE ELEVATIONS ARE SUBJECT TO FIELD CHANGES ONLY IF APPROVED BY THE ENGINEER.
- ANY CHANGES OR DEVIATIONS FROM THE PERMITTED PLANS DURING CONSTRUCTION SHALL BE APPROVED BY THE ENGINEER. EXTRA WORK CAUSED BY THE FAILURE TO FOLLOW THE PLANS SHALL BE AT THE SOLE EXPENSE OF THE OWNER OR CONTRACTOR.
- FINISHED FLOOR ELEVATION TO BE ESTABLISHED BY THE BUILDING DESIGNER / ARCHITECT. ALL BUILDINGS SHALL BE A MINIMUM OF 12 INCHES ABOVE THE ROAD CENTERLINE ELEVATION.
- ANY LOCATIONS OR ELEVATIONS SHOWN ON PLANS AS EXISTING ARE TO BE FIELD VERIFIED BY CONTRACTOR IN COORDINATION WITH RESPECTIVE UTILITY AGENCY. ANY FOUND DEVIATION FROM PLAN LOCATIONS OR ELEVATIONS MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL BEFORE CONSTRUCTION METHODS CAN COMMENCE.

GENERAL PAVEMENT NOTES:

- BASE COMPACTED TO 100% MODIFIED PROCTOR DENSITY. SUBGRADE COMPACTED TO 95% MODIFIED PROCTOR DENSITY. ALL FILL TO BE PLACED IN 6" LIFTS AND COMPACTED. MIN. 18" FOR COMPACTED SUBGRADE.
- PROTECT INLETS PRIOR TO PAVING.
- CONTRACTOR TO PROVIDE ASPHALT CORES, GRADATION AND DENSITY.
- THERE MUST BE AN APPROVED S/G AND CURBLINE PROOF ROLL PRIOR TO LAYING CURB AND GUTTER.
- UNDERDRAINS ARE TO BE INSTALLED BEHIND ALL CURB AND GUTTER AND EXTENDED FROM BOX TO BOX.
- A GEOTECHNICAL ENGINEER MUST DESIGN AND STAMP THE ROADWAY CROSS-SECTION.
- SOIL BORINGS SHALL BE TAKEN A MINIMUM OF EVERY 500 FT. OF ROADWAY CENTERLINE AND A GEOTECHNICAL REPORT SHALL ACCOMPANY THESE PLANS.
- ALL CLEARING AND GRUBBING IS TO MEET SCDOT SPECIFICATIONS.
- A MINIMUM OF 6" OF GABC IS TO BE INSTALLED BELOW CURB.
- PROOF-ROLLING SHALL BE PERFORMED WITH A LOADED TANDEM AXLE DUMP TRUCK. WEIGHT TICKET SHOWING THE CURRENT LOAD COMING FROM A SC CERTIFIED SCALE MASTER MUST BE PROVIDED AT BEGINNING OF PROOF ROLL INSPECTION. WEIGHT TICKET CANNOT HAVE BEEN ISSUED MORE THAN ONE HOUR PRIOR TO BEGINNING PROOF ROLL INSPECTION. GROSS VEHICLE WEIGHT SHALL BE NO LESS THAN 65,000-LBS. IN LIEU OF THIS REQUIREMENT CONTRACTOR MAY PROVIDE TANDEM DUMP TRUCK LOADED WITH GABC WITH ZERO FREEBOARD. LOAD MUST BE DUMPED ON-SITE AT THE END OF THE PROOF ROLL FOR INSPECTION BY THE INSPECTOR. ANY MATERIAL FOUND OTHER THAN GABC WILL RESULT IN AN INSPECTION FAILURE.

STATE PLANE COORDINATES

ALL BEARINGS SHOWN HEREON ARE BASED UPON THE SOUTH CAROLINA STATE PLAN COORDINATES SYSTEM (NAD83) AND WERE PROVIDED BY THE SURVEYOR. STATE PLANE COORDINATES SHOWN ARE FOR REFERENCE ONLY AND DO NOT REPRESENT SURVEYED COORDINATES.

VERTICAL DATUM NAVD88

THE ELEVATIONS SHOWN HEREON WERE PROVIDED BY THE SURVEYOR AND ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

NOTE: SURVEYOR AND CONTRACTOR SHALL VERIFY LOCATION OF ALL INFRASTRUCTURE IMPROVEMENTS AND PROPERTY CORNERS PRIOR TO CONSTRUCTION AND NOTIFY THE DESIGN ENGINEER IF ANY DISCREPANCIES ARE FOUND.

WATER AND SEWER LEGEND:

- SANITARY MANHOLE (SMH)
- SANITARY PIPE (SAN)
- PROPOSED FIRE HYDRANT
- PROPOSED 2" BLOW OFF
- PROPOSED WATER VALVE
- PROPOSED SINGLE WATER SERVICE
- PROPOSED DOUBLE WATER SERVICE
- PROPOSED SINGLE SANITARY SERVICE
- PROPOSED DOUBLE SANITARY SERVICE

NOTE: REFER TO DETAIL SHEETS FOR DETAILED INFORMATION AND CONTACT ENGINEER WITH ANY QUESTIONS PRIOR TO PURCHASING AND INSTALLATION OF UTILITIES.

NOTE:

IF OBSTRUCTION BYPASS IS NEEDED AND A DEFLECTION UNDER DRAINAGE PIPE CANNOT BE MADE, SEE STORM DRAIN CROSSING DETAIL. EARTHWORKS IS TO BE PRESENT AND WITNESS ALL OBSTRUCTION BYPASS INSTALLATIONS.

ALL ABOVE GRADE UTILITIES ARE TO BE OUT OF THE R/W AND OUT OF THE CURB LINE.

ALL WATERLINE TEES, BENDS, CROSSINGS, ETC SHALL REQUIRE DI-MJ RESTRAINTS

NO THRUST BLOCKS ALLOWED, AREAS SHALL BE BACKFILLED WITH #57 STONE AND COMPACTED.

SEDIMENT AND EROSION CONTROL LEGEND:

- CONSTRUCTION ENTRANCE (SEE DETAIL)
- FILTERFENCE OR SILT FENCE (SEE DETAIL) LIMIT OF CONSTRUCTION
- RIP-RAP
- CONCRETE WASHOUT
- INLET PROTECTION - TYPE A
- INLET PROTECTION - TYPE I
- TEMPORARY SEEDING
- PERMANENT SEEDING
- SKIMMER

BUREAU OF WATER REQUIREMENTS:

- AN ONSITE INSPECTION BOX SHALL BE PROVIDED AND ACCESSIBLE UNTIL FINAL STABILIZATION IS ACHIEVED.
- A RAIN GAUGE SHALL BE PROVIDED BY THE C.E.P.S.C.I. INSPECTOR AND MAINTAINED ON-SITE AND OPERABLE UNTIL FINAL STABILIZATION IS ACHIEVED.
- THE CONTRACTOR SHALL MAINTAIN AND HAVE AVAILABLE ON SITE AT ALL TIMES REQUIREMENTS SET FORTH IN THE PROVIDED SWPPP. TO INCLUDE BUT NOT LIMITED TO THE ONSITE INSPECTION LOG AND ONSITE MAINTENANCE LOG.

GRASSING SPECIFICATIONS

SPECIES	LBS/AC	TEMPORARY SEEDING - COASTAL														
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC			
BROWNTOP MILLET	40															
RYE GRASS	50															
WELL DRAINED, CLAYEY LOAMY SITES																
BROWNTOP MILLET	40															
RYE GRASS	50															
OILTS	75															
SPECIES	LBS/AC	PERMANENT SEEDING - COASTAL														
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC			
BROWNTOP MILLET	10															
BAHAGRASS	40															
BROWNTOP MILLET	10															
BAHAGRASS	30															
SPECIES LESPEDEZA	10															
BROWNTOP MILLET	10															
ATLANTIC COASTAL	15															
PANIC GRASS	PLS															
BROWNTOP MILLET	10															
SWITCHGRASS	15															
(ALAMO)	PLS															
LITTLE BLUESTEM	4															
SPECIES LESPEDEZA	20															
BROWNTOP MILLET	10															
WEEDING LOVEGRASS	8															
WELL DRAINED, CLAYEY LOAMY SITES																
BROWNTOP MILLET	10															
BAHAGRASS	40															
RYE GRASS	10															
BAHAGRASS	40															
CLOVER, CRIMSON	5															
(ANNULUS)	10															
BROWNTOP MILLET	10															
BAHAGRASS	40															
SPECIES LESPEDEZA	10															
BROWNTOP MILLET	10															
BERNARDIA COMMON	10															
SPECIES LESPEDEZA	40															
BROWNTOP MILLET	10															
BERNARDIA COMMON	10															
KOBE LESPEDEZA	10															
(ANNULUS)	10															
BROWNTOP MILLET	10															
BAHAGRASS	20															
BERNARDIA COMMON	4															
SPECIES LESPEDEZA	40															
BROWNTOP MILLET	10															
SWITCHGRASS	8															
LITTLE BLUESTEM	PLS															
INDIANGRASS	3															
PLS	PLS															

NOTE:

ALL GRASSED AREAS SHALL BE SEEDED AND WATERED UNTIL 70% OF THE AREA IS STABILIZED. ALL BARE AREAS SHALL BE RETREATED EVERY 14 DAYS UNTIL GRASS IS ESTABLISHED.

TRANSPORTATION LEGEND:

- "STOP" SIGN
- STREET SIGN
- TRAFFIC FLOW ARROW
- SPEED LIMIT SIGN
- "NO OUTLET" SIGN

NOTES:

GENERAL REQUIREMENTS:

- CONTRACT DOCUMENTS - THESE ARE THE DOCUMENTS ISSUED FOR CONSTRUCTION OF THE PROJECT AND INCLUDE AT A MINIMUM: 1) THE OWNER/CONTRACTOR AGREEMENT; 2) THE GENERAL AND ANY SUPPLEMENTARY CONDITIONS; 3) TECHNICAL SPECIFICATIONS; 4) CONSTRUCTION DRAWINGS (PLANS); AND, 5) ANY AUTHORIZED CHANGE ORDERS. THE CONTRACTOR WILL SATISFY HIMSELF/HERSELF THAT THEY HAVE A COMPLETE SET OF THESE DOCUMENTS AND HAVE REVIEWED THE SAME AS THESE DOCUMENTS ARE COMPLEMENTARY OF EACH OTHER. SHOULD THERE BE A CONFLICT BETWEEN THE CONSTRUCTION DRAWINGS AND THE TECHNICAL SPECIFICATIONS; THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
- BEFORE UNDERTAKING EACH PART OF THE WORK, CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE CONTRACT DOCUMENTS AND CHECK AND VERIFY PERTINENT FIGURES SHOWN THEREON AND ALL APPLICABLE FIELD MEASUREMENTS. CONTRACTOR SHALL PROMPTLY REPORT IN WRITING TO ENGINEER ANY CONFLICT, ERROR OR DISCREPANCY WHICH CONTRACTOR MAY DISCOVER AND SHALL OBTAIN A WRITTEN INTERPRETATION OR CLARIFICATION FROM ENGINEER BEFORE PROCEEDING WITH ANY WORK AFFECTED THEREBY.
- THE INFORMATION AND DATA SHOWN OR INDICATED IN THE CONTRACT DOCUMENTS WITH RESPECT TO EXISTING UNDERGROUND FACILITIES OR ADJACENT TO THE SITE IS BASED ON INFORMATION AND DATA FURNISHED TO THE ENGINEER BY THE OWNERS OF SUCH UNDERGROUND FACILITIES OR AS INDICATED ON THE UTILITY PLANS. CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA, FOR LOCATING ALL UNDERGROUND FACILITIES SHOWN OR INDICATED IN THE CONTRACT DOCUMENTS, FOR COORDINATION OF THE WORK WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES DURING CONSTRUCTION, AND FOR THE SAFETY AND PROTECTION OF THE SAME.
- THE LAND DISTURBING ACTIVITY WILL BE ACCOMPLISHED PURSUANT TO THE CONCEPT PLAN AND THE COUNTY HAS THE RIGHT TO CONDUCT ON-SITE INSPECTIONS.
- FINAL INSPECTIONS WILL NOT BE CONDUCTED UNTIL A FINAL AS-BUILT HAS BEEN SUBMITTED TO THE COUNTY.
- PROHIBIT ALL FENCES AND STRUCTURES WHICH WOULD INTERFERE WITH ACCESS TO THE EASEMENT AREAS AND/OR MAINTENANCE FUNCTION OF THE DRAINAGE SYSTEM.
- THE LAND DISTURBING ACTIVITY WILL BE ACCOMPLISHED PURSUANT TO THE CONCEPT PLAN & THE COUNTY HAS THE RIGHT TO CONDUCT ON-SITE INSPECTIONS. FINAL INSPECTIONS WILL NOT BE CONDUCTED UNTIL A FINAL AS-BUILT HAS BEEN SUBMITTED TO THE COUNTY. PROHIBIT ALL FENCES & STRUCTURES WHICH WOULD INTERFERE WITH ACCESS TO THE EASEMENT AREAS AND/OR MAINTENANCE FUNCTION OF THE DRAINAGE SYSTEM.

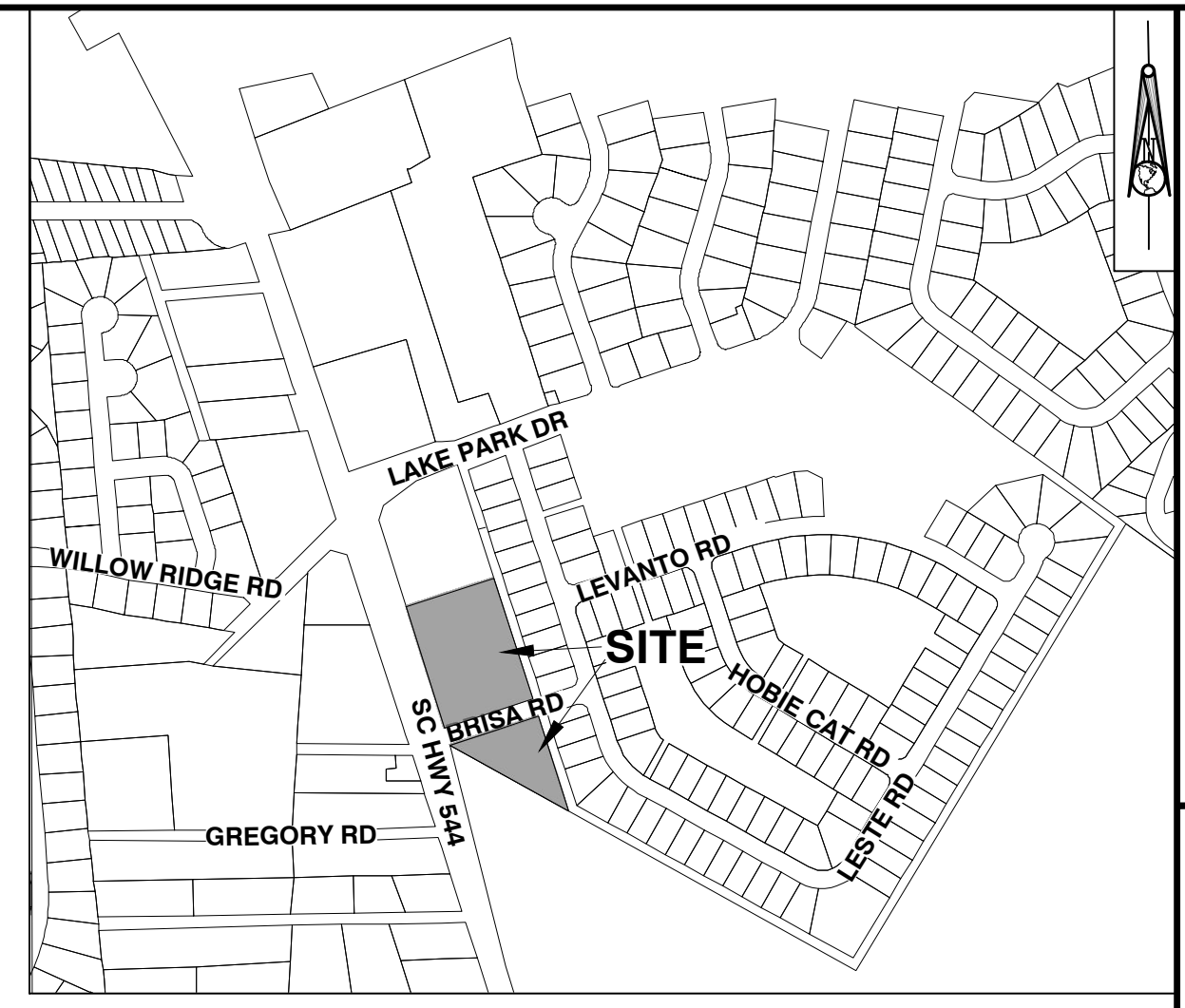
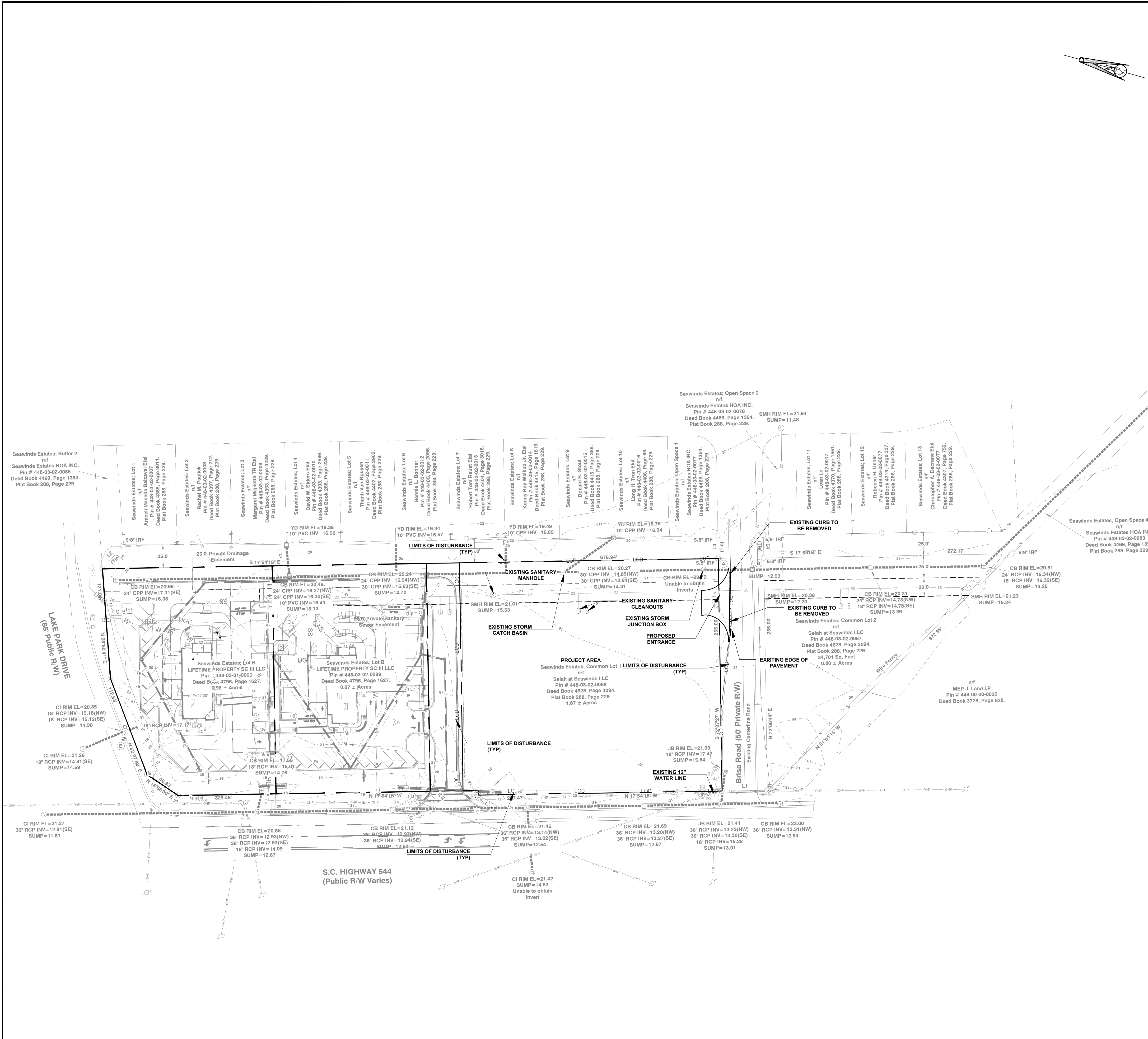
CONTRACTOR'S RESPONSIBILITIES

- CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK COMPETENTLY AND EFFICIENTLY, DEVOTING NECESSARY ATTENTION AND APPLYING SKILLS AND EXPERTISE AS MAY BE NECESSARY TO PERFORM THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE TO SEE THAT THE FINISHED WORK COMPLIES ACCURATELY WITH THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL KEEP ON THE WORK AT ALL TIMES DURING ITS PROGRESS A COMPETENT RESIDENT SUPERINTENDENT, WHO SHALL HAVE AUTHORITY TO ACT ON BEHALF OF CONTRACTOR. ALL COMMUNICATIONS GIVEN TO THE SUPERINTENDENT SHALL BE AS BINDING AS IF GIVEN TO CONTRACTOR.
- CONTRACTOR SHALL BE FULLY RESPONSIBLE TO THE OWNER FOR ALL ACTS AND OMISSIONS OF THE SUBCONTRACTORS, SUPPLIERS AND OTHER PERSONS AND ORGANIZATIONS PERFORMING OR FURNISHING ANY OF THE WORK UNDER A DIRECT OR INDIRECT CONTRACT WITH CONTRACTOR JUST AS CONTRACTOR IS RESPONSIBLE FOR CONTRACTOR'S OWN ACTS AND OMISSIONS.
- CONTRACTOR SHALL CONFINE CONSTRUCTION EQUIPMENT, THE STORAGE OF MATERIALS AND EQUIPMENT AND THE OPERATIONS OF WORKERS TO THE CONTRACT SITE AND NEARBY AREAS IDENTIFIED IN AND PERMITTED BY THE CONTRACT DOCUMENTS AND OTHER AREAS AS PERMITTED (I.E. RIGHTS-OF-WAY AND EASEMENTS). CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY TO THE OWNER OR OCCUPANT FOR ANY DAMAGE TO ANY LAND OR AREA CONTIGUOUS TO THE AREAS PREVIOUSLY IDENTIFIED, RESULTING FROM THE PERFORMANCE OF THE WORK. CONTRACTOR SHALL, TO THE FULLEST EXTENT PERMITTED BY LAWS AND REGULATIONS, INDEMNIFY AND HOLD OWNER AND ENGINEER HARMLESS FROM AND AGAINST ALL CLAIMS BROUGHT BY SAID PARTIES ARISING OUT OF THE CONTRACTOR'S PERFORMANCE OF THE WORK.

OWNER'S RESPONSIBILITIES

- THE OWNER SHALL FURNISH THE DATA REQUIRED OF OWNER UNDER THE CONTRACT DOCUMENTS PROMPTLY AND SHALL MAKE PAYMENTS TO CONTRACTOR PROMPTLY AFTER THEY ARE DUE AS AGREED TO BY BOTH PARTIES.
 - THE OWNER SHALL FURNISH THE LANDS UPON WHICH THE WORK IS TO BE PERFORMED, INCLUDING RIGHTS-OF-WAY AND EASEMENTS FOR ACCESS, AND SUCH OTHER LANDS WHICH ARE DESIGNATED FOR THE USE OF CONTRACTOR. EASEMENTS FOR PERMANENT STRUCTURES OR PERMANENT CHANGES IN EXISTING FACILITIES WILL BE OBTAINED AND PAID FOR BY OWNER. CONTRACTOR SHALL PROVIDE FOR ALL ADDITIONAL LANDS AND ACCESS THERETO THAT MAY BE REQUIRED FOR TEMPORARY CONSTRUCTION FACILITIES OR STORAGE OF MATERIALS AND EQUIPMENT.
 - THE OWNER SHALL ISSUE ALL COMMUNICATIONS TO CONTRACTOR THROUGH ENGINEER.
- ENGINEER'S RESPONSIBILITIES**
- THE ENGINEER WILL BE OWNER'S REPRESENTATIVE DURING THE CONSTRUCTION PERIOD. MAKE VISITS TO THE SITE AT INTERVALS APPROPRIATE TO THE VARIOUS STAGES OF CONSTRUCTION TO OBSERVE THE PROGRESS AND QUALITY OF THE EXECUTED WORK AND TO DETERMINE, IN GENERAL, IF THE WORK IS

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VICINITY MAP

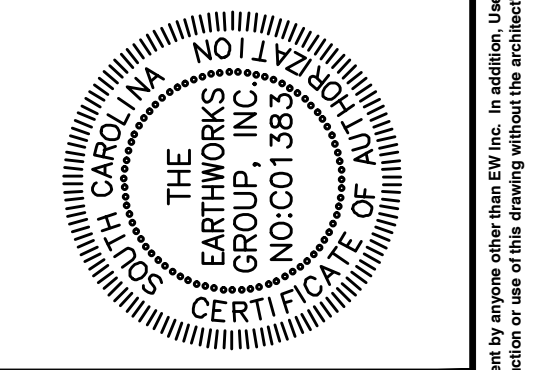
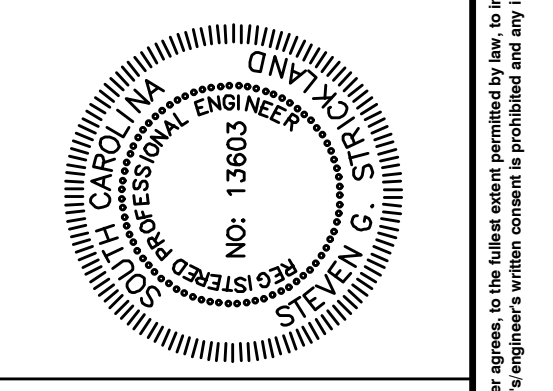
OWNER NOTES:
SELAH AT SEAWINDS LLC
 1314 HAGLEY DRIVE
 PAWLEYS ISLAND, SC 29585

DEVELOPER NOTES:
DEPENDABLE SERVICES
 PO BOX 1665
 PAWLEYS ISLAND, SC 29585

GENERAL NOTES:
 THIS PROPERTY IS KNOWN AS DEPENDABLE SERVICES SEAWINDS PROJECT.
 PIN# : 44803020086
 THE MAJORITY OF THIS PROPERTY IS LOCATED IN FLOOD ZONE X ACCORDING TO F.I.R.M. # 46061C0711K DATED DEC. 16, 2021

EARTHWORKS
planning and design consultants

11655 HIGHWAY 707
 MURRELLS INLET, SC 29576
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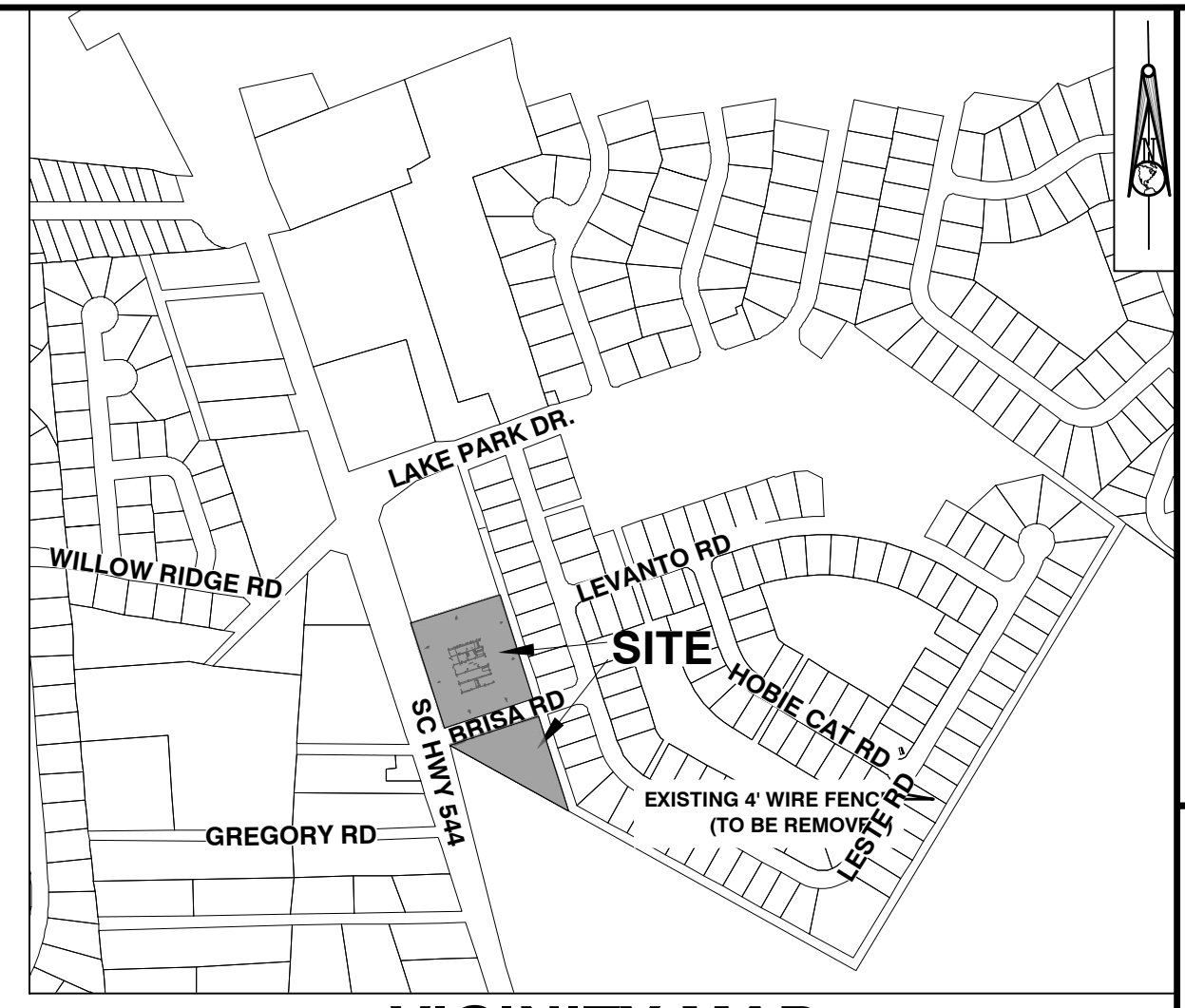
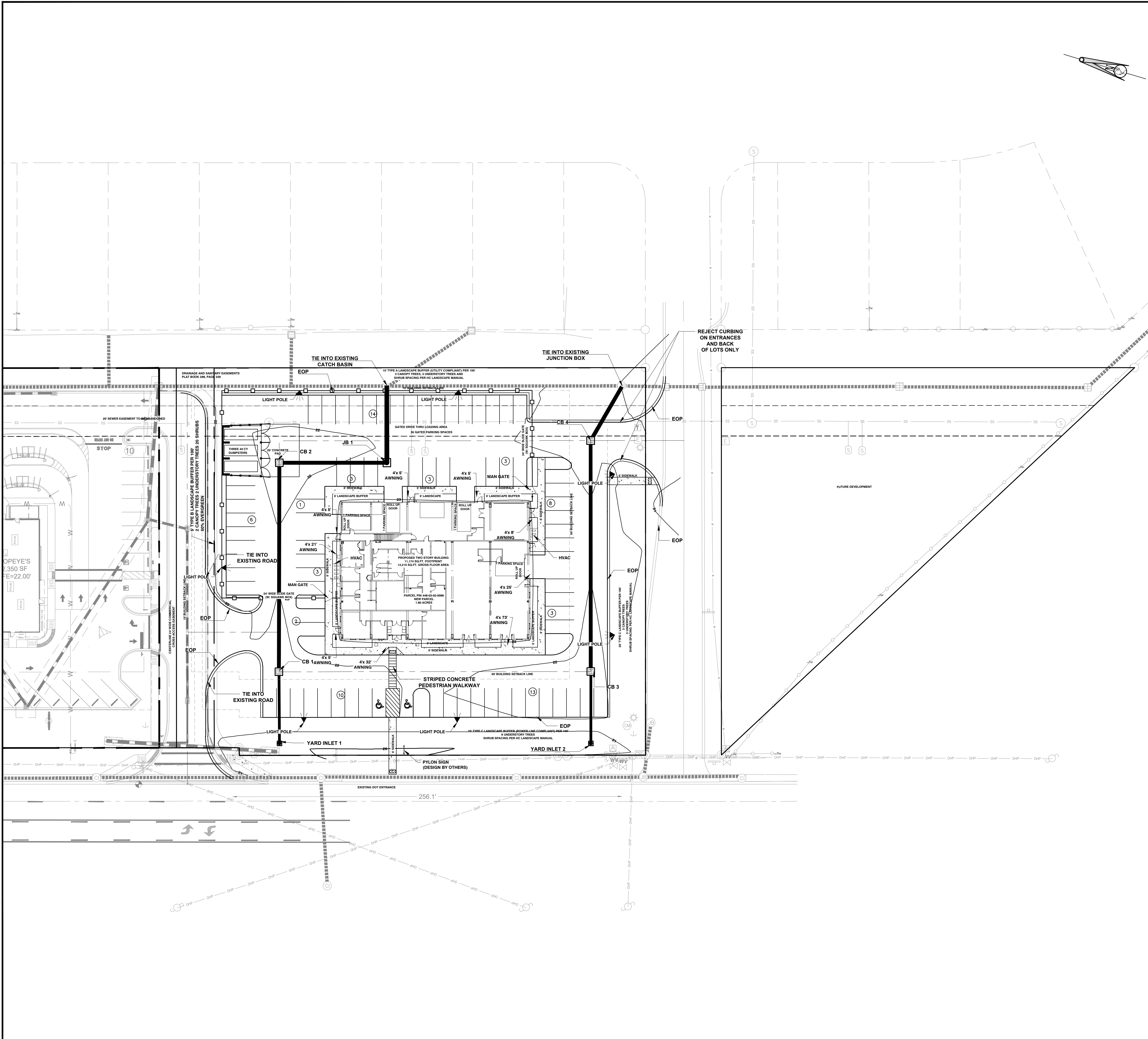
REVISION SCHEDULE		
NO.	DATE	DESCRIPTION
1	05/02/24	ADDED HC COMMENTS DATED 04/03/24
2	08/20/24	ADDED HC COMMENTS DATED 06/13/24
3	08/29/24	ADDED HC COMMENTS DATED: 08/26/24

SEAWINDS COMMERCIAL	
EXISTING CONDITIONS	
SALEH AT SEAWINDS, LLC	
PREPARED FOR:	SJZ
DRAWN BY:	SJZ
CHECKED BY:	MHD

PROJECT:	221314 - SEAWINDS COMMERCIAL
DATE:	7/24/2023
SCALE:	1=50' XREF
DESIGNED BY:	SJZ
DRAWN BY:	SJZ
CHECKED BY:	MHD

SHEET
C1.1

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VICINITY MAP

OWNER NOTES:
SELAH AT SEAWINDS LLC
 1314 HAGLEY DRIVE
 PAWLEYS ISLAND, SC 29585

DEVELOPER NOTES:
DEPENDABLE SERVICES
 PO BOX 1665
 PAWLEYS ISLAND, SC 29585

GENERAL NOTES:
 THIS PROPERTY IS KNOWN AS DEPENDABLE SERVICES SEAWINDS PROJECT.

PIN# : 44803020086
 THE MAJORITY OF THIS PROPERTY IS LOCATED IN FLOOD ZONE X ACCORDING TO F.I.R.M. # 45051C0711K DATED DEC. 16, 2021

VARIANCE NOTE:
 STORMWATER MANAGEMENT DEVICES ALLOWED TO ENCOACH 100% INTO THE REQUIRED LANDSCAPE BUFFER CASE NO. 2023-08-003

DEVELOPMENT TYPE: COMMERCIAL BUILDING
 • TOTAL ACREAGE = 1.87 AC (81,457 SF)
 • TOTAL UPLANDS = 1.87 AC (81,457 SF)
 • TOTAL JURISDICTIONAL WATER OF THE US = 0 AC (0 SF)
 • TOTAL NON JURISDICTIONAL WETLANDS = 0 AC
 • TOTAL DISTURBED AREA = 1.87 AC (81,457 SF)
 • IMPERVIOUS 0.46 AC (20,165 SF)

ZONING NOTES:
 CURRENT ZONING RE3
 HIGHWAY 544 OVERLAY ZONE

RE3 LIST TRADE SHOPS AS A CONDITIONAL USE. PER SECTION 935 OF Horry County Zoning Ordinance, such use shall not produce noise, vibration, smoke, gas, fumes, odor, dust, fire hazards, dangerous radiation or any other conditions which constitute a nuisance beyond the premises. All uses and work shall be conducted entirely within a fully enclosed structure.

COMMERCIAL BUILDING SETBACKS
 50' FRONT
 10' SIDE
 15' REAR
 15' CORNER
 36' MAX BUILDING HEIGHT

PARKING REQUIREMENTS
 PIN # 44803020086 TRADE SHOP
 1 SPACE PER 2,000 SQ. FT.
 1 SPACE PER EMPLOYEE
 12,215 SQ. FT. BUILDING
 12,215 SQ. FT. / 2,000 = 7 SPACES
 40 EMPLOYEE = 40 SPACES

47 PARKING SPACES REQUIRED
 10% MAY BE COMPACT
 73 STANDARD SPACES
 4 INTERNAL SPACES (1 SPACE/ ROLL UP DOOR)
 77 TOTAL SPACES PROVIDED

NOTES:
 VEHICLE USE AREA TO BE ASPHALT
 NO KNOWN CONFLICTS WITH COVENANTS OR RESTRICTIONS
 NO OUTDOOR STORAGE ON SITE
 NO NEW SIGNAGE PROPOSED
 NO LIVE OAKS OR SPECIMEN TREES ON SITE
 NO PROCESSING OF MATERIALS PERMITTED ON SITE, NO BURNING OF MATERIALS OR PRODUCTS PERMITTED ON SITE.

ON-SITE LIGHTING PLAN WILL BE SUBMITTED WITH FULL ENGINEERING PLAN SET
 EXISTING LANDSCAPE TO BE EVALUATED IN LANDSCAPE PLAN.
 LIGHT FIXTURES SHALL BE FULL-CUT-OFF AND MEET ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) CRITERIA.
 LIGHTING SHALL BE AIMED STRAIGHT DOWN.

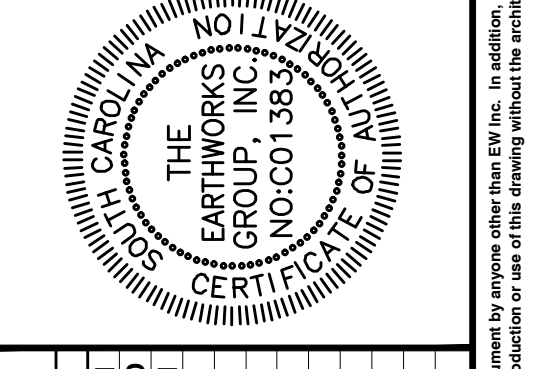
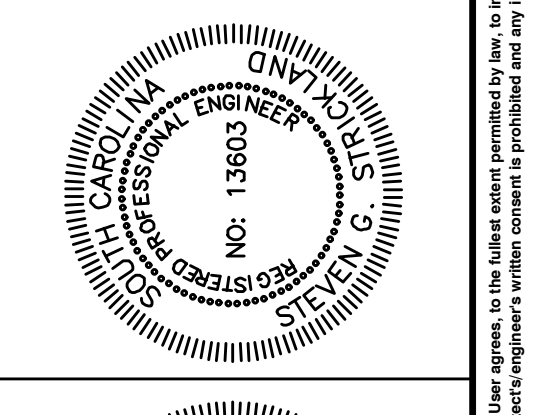
LIGHTING SHALL NOT PRODUCE ILLUMINATION THAT EXCEEDS 1 FOOT CANDLE BEYOND ANY RESIDENTIAL LOT LINE.
 ALL PARKING SPOTS ADJACENT TO LANDSCAPE AREAS ARE REQUIRED TO HAVE A WHEEL STOP 18" FROM BACK OF CURB TO LIMIT VEHICLE INTRUSION INTO LANDSCAPE AREAS

PER SECTION 935 OF THE Horry County Zoning Ordinance, such use shall not produce noise, vibration, smoke, gas, fumes, odor, dust, fire hazards, dangerous radiation or any other conditions which constitute a nuisance beyond the premises. All uses and work shall be conducted entirely within a fully enclosed structure.

ARCHITECTURAL BUILDING ELEVATIONS FOR ALL STRUCTURES MUST BE SUBMITTED AND APPROVED BY Horry County Planning & Zoning PRIOR TO THE APPROVAL OF FINAL CONSTRUCTION PLANS.

SECURITY GATES SHALL HAVE AN APPROVED MEANS OF EMERGENCY OPERATIONS AS PER 2021 SCFC 503.6

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 MURRELLS INLET, SC 29576
 843.651.7900
 (FAX) 843.651.7903
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REVISION SCHEDULE

NO.	DATE	DESCRIPTION	BY
1	05/02/24	REVISION	RLH
2	08/20/2024	ADDED HC COMMENTS DATED 04/03/24	MHD
3	08/29/24	ADDED HC COMMENTS DATED 06/13/24	RLH
		ADDED HC COMMENTS DATED: 08/26/24	RLH

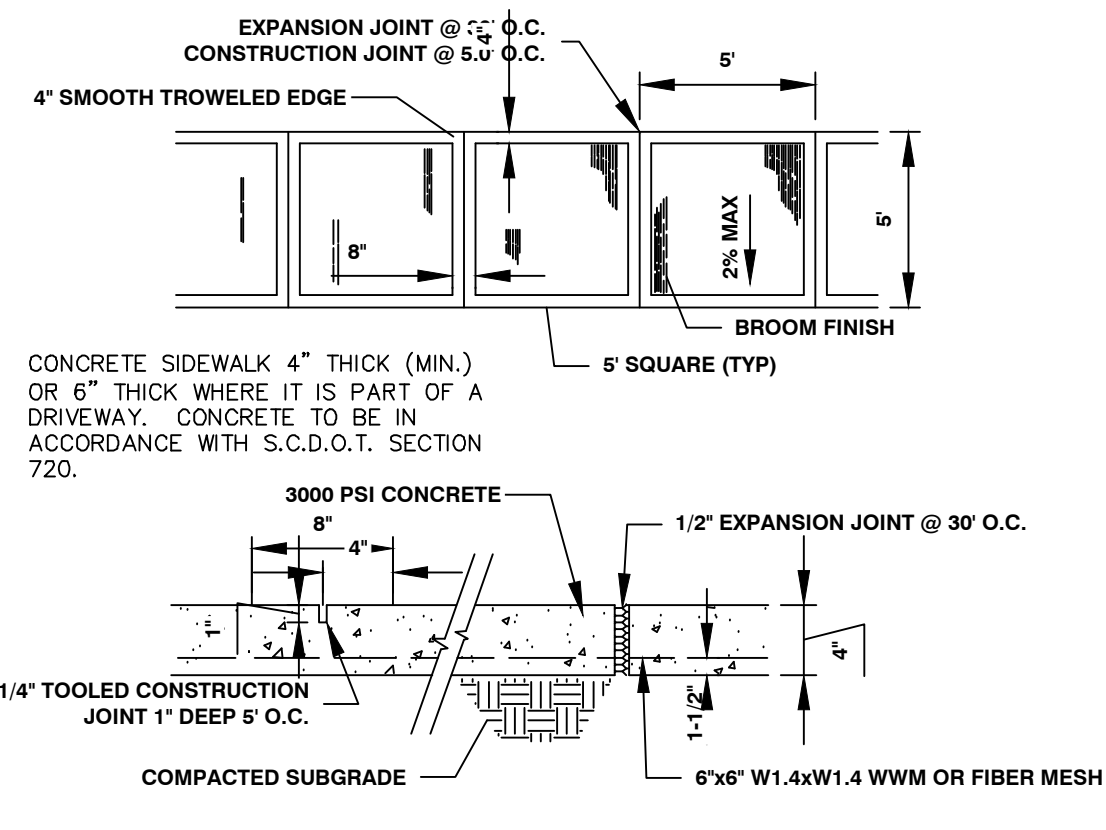
SEAWINDS COMMERCIAL
SITE LAYOUT PLAN
 PREPARED FOR: **SALEH AT SEAWINDS, LLC**
 1 MYRTLE BEACH, SC

PROJECT: 221314
 DATE: 7/24/2023
 SCALE: 1"=30' AREF
 DESIGNED BY: SJZ
 DRAWN BY: SJZ
 CHECKED BY: MHD

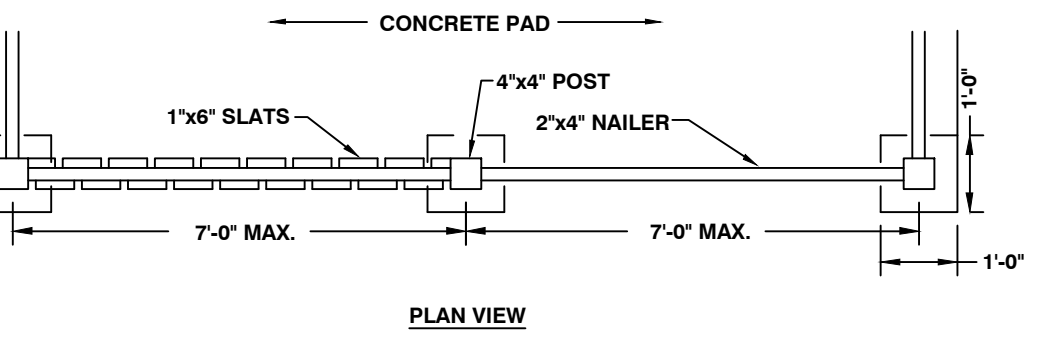
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C1.2

DRAWING NAME: V:\Projects\221314 - Dependable Services\Phishing and Air Inc. Revised Commercial\Panel C1\Sheet C1.2.dwg DATE: 2023-08-29 10:31 AM

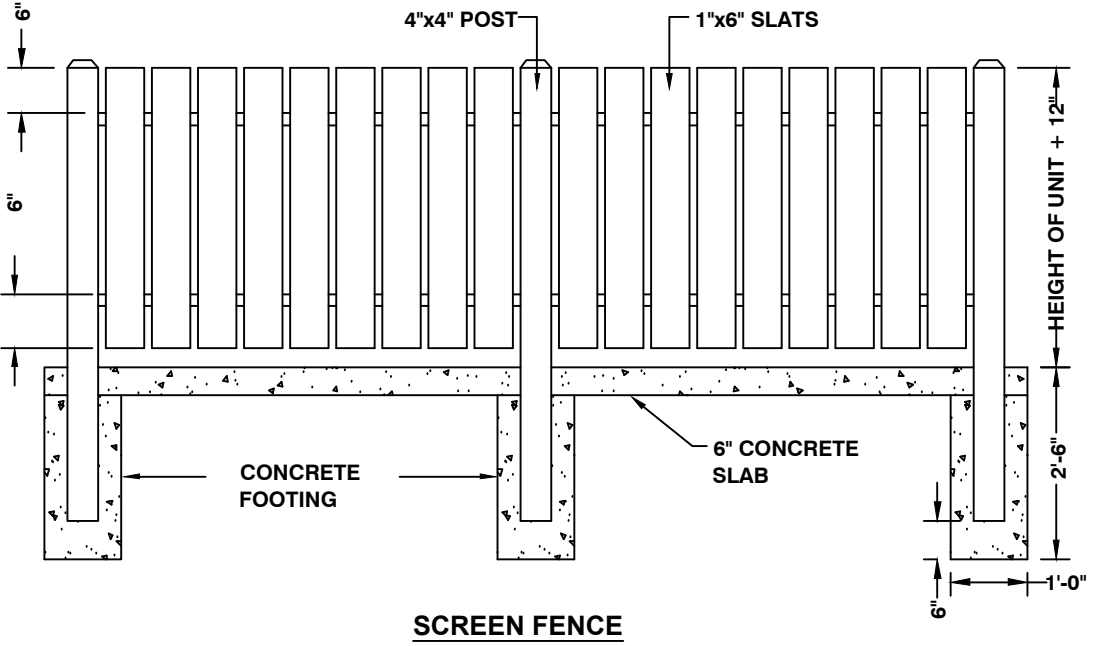
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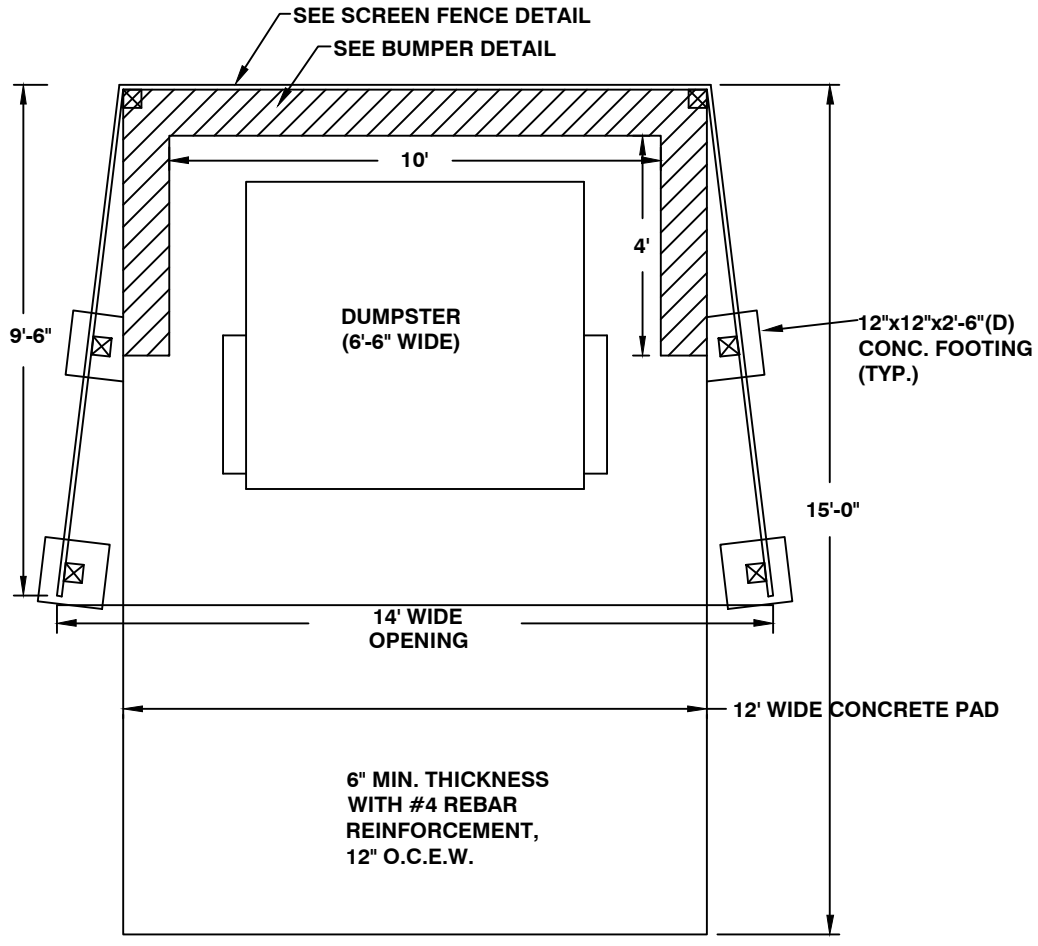
CONCRETE SIDEWALK
N.T.S.



PLAN VIEW

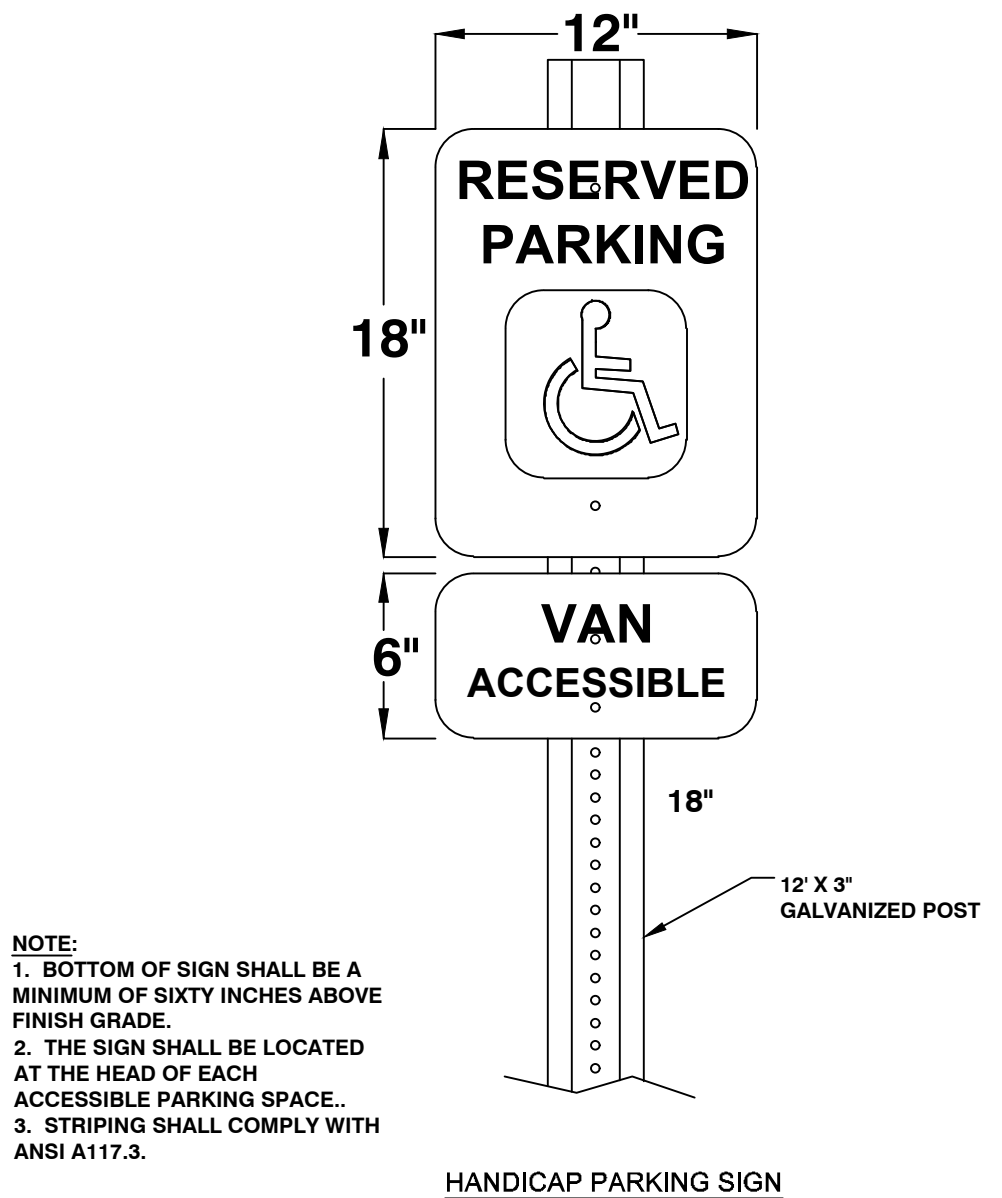


SCREEN FENCE



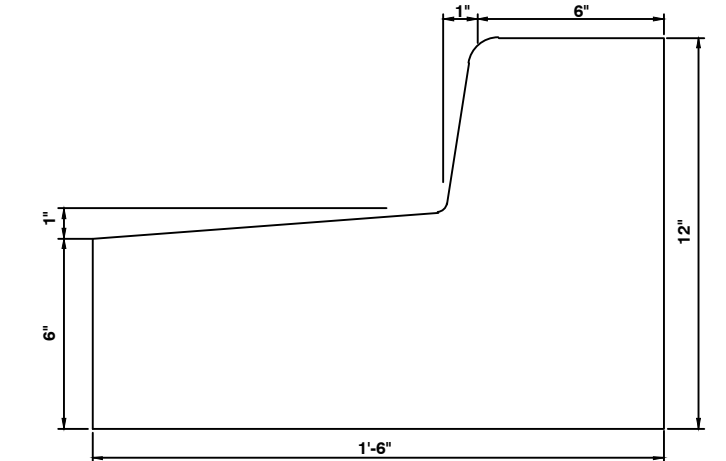
- NOTE:
1. A 70 FT. MIN. UNOBSTRUCTED ACCESS IS REQUIRED.
 2. SEE LANDSCAPE REQUIREMENTS FOR USE OF PLANT MATERIALS AS SCREENING.
 3. SCREENING MUST BE CONSTRUCTED ON OWNERS PROPERTY.
 4. ELECTRIC SERVICE FOR VERTI-PACKER TO BE DETERMINED BY SIZE OF UNIT.
 5. VERTI-PACKER UNIT MUST USE MIN. 1" DIA. BOLTS FOR ATTACHMENT OF UNIT TO PAD.
 6. FOR ADDITIONAL INFORMATION CONTACT THE SOLID WASTE MANAGEMENT DIVISION AT 918-2000.

DUMPSTER PAD
N.T.S.

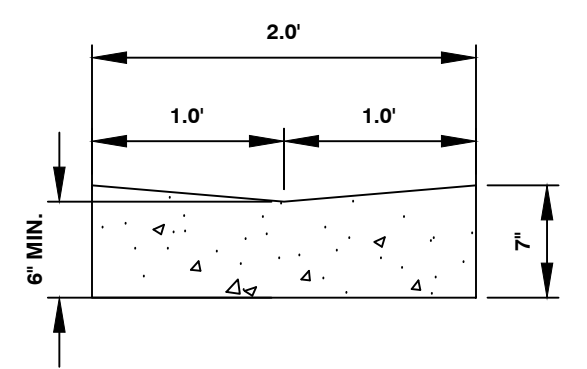


- NOTE:
1. BOTTOM OF SIGN SHALL BE A MINIMUM OF SIXTY INCHES ABOVE FINISH GRADE.
 2. THE SIGN SHALL BE LOCATED AT THE HEAD OF EACH ACCESSIBLE PARKING SPACE.
 3. STRIPING SHALL COMPLY WITH ANSI A117.3.

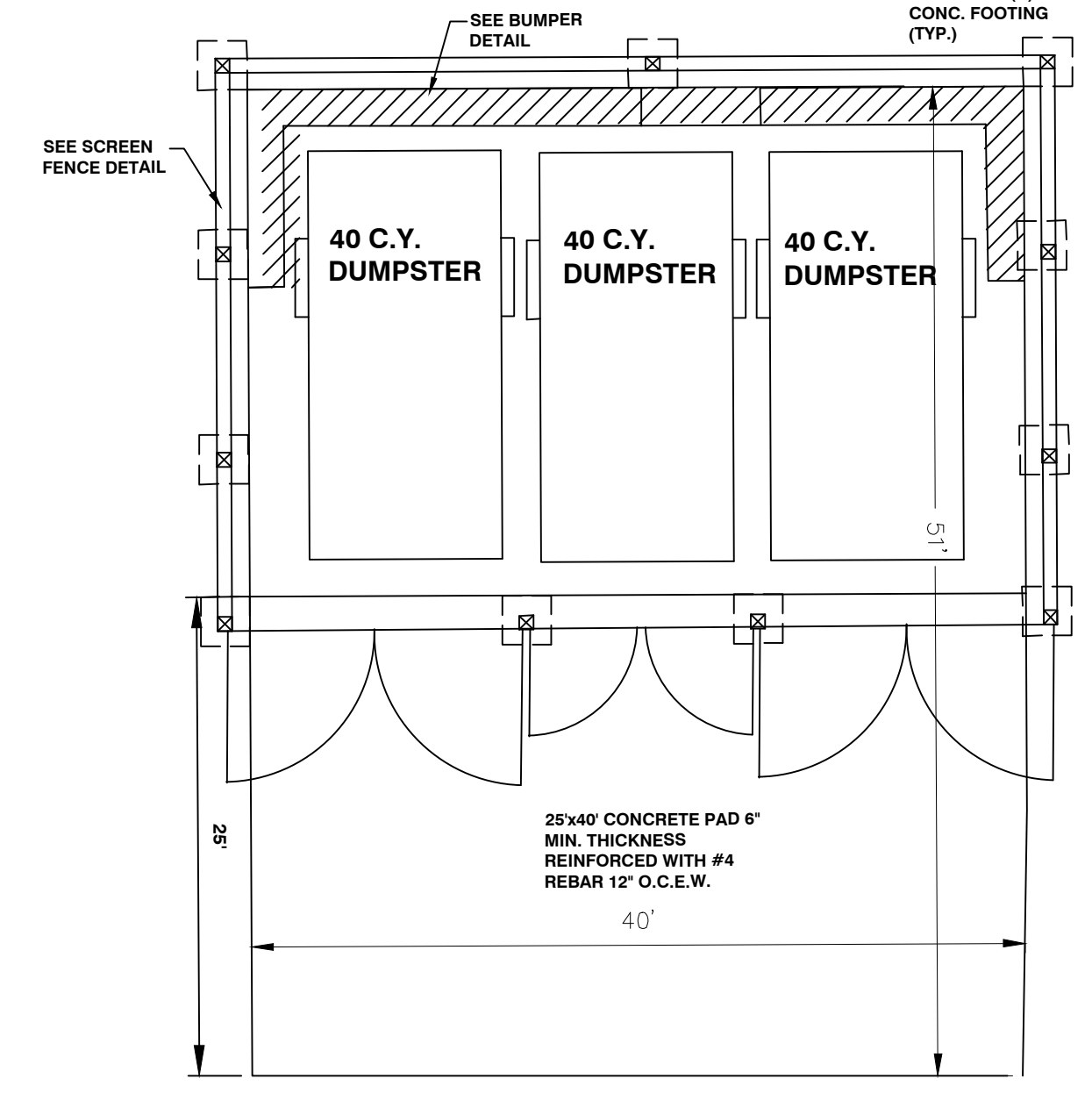
HANDICAP PARKING SIGN
N.T.S.



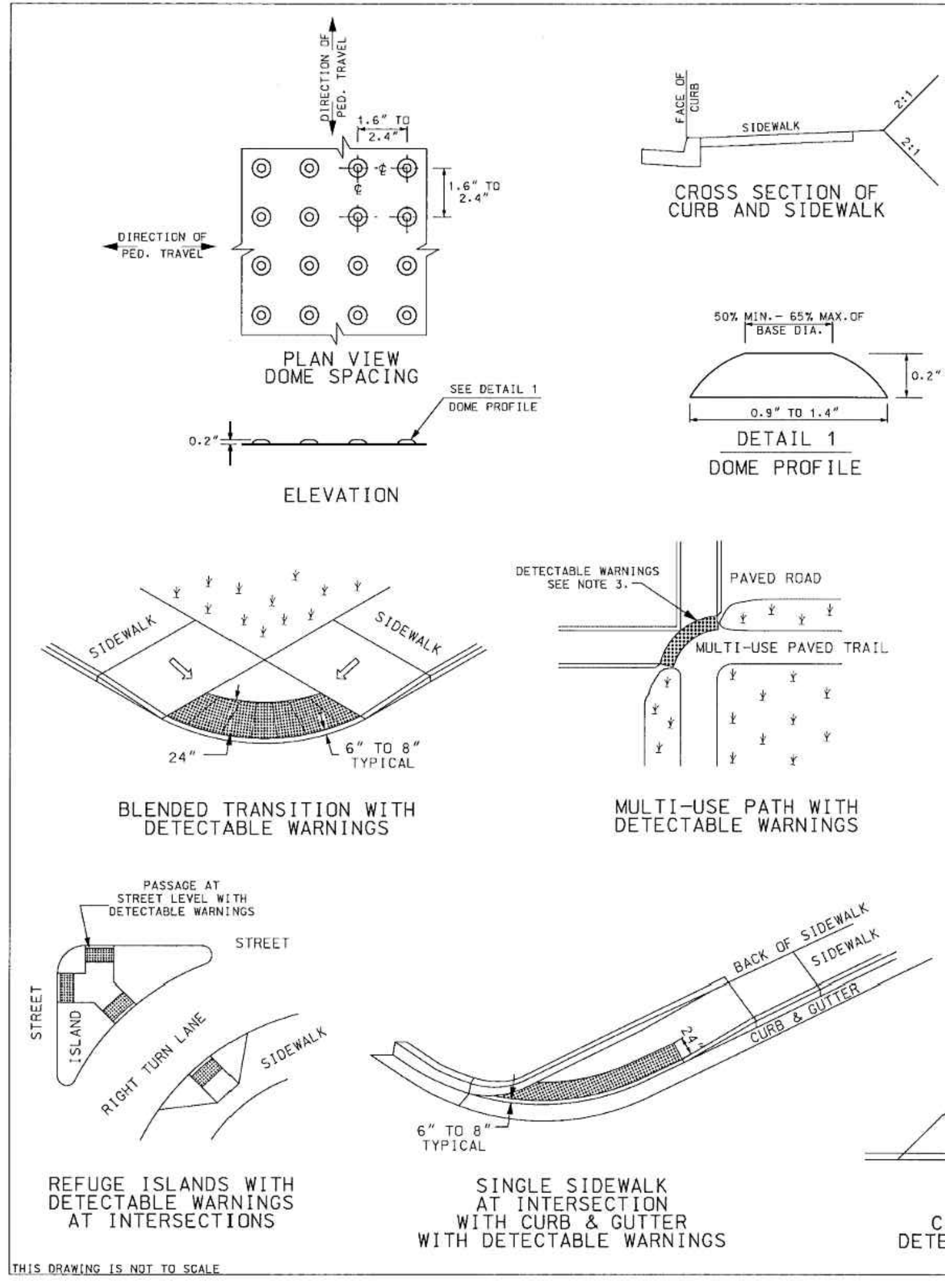
EXPULSION TYPE CURB SECTION
N.T.S.



VALLEY CURB DETAIL
N.T.S.



TRIPLE DUMPSTER PAD
N.T.S.



- NOTES:
1. DETECTABLE WARNING SURFACES SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS:
 - (A) WHERE A SIDEWALK CROSSES A VEHICULAR WAY, EXCLUDING UN-SIGNALIZED DRIVEWAY CROSSINGS.
 - (B) WHERE A RAIL SYSTEM CROSSES A PEDESTRIAN FACILITY THAT IS NOT SHARED WITH VEHICLES.
 - (C) AT ISLANDS AND MEDIANS THAT ARE CUT THROUGH LEVEL WITH THE ROADWAY.
 2. AT CURB RAMPS AND BLENDED TRANSITIONS, DETECTABLE WARNING SURFACES SHALL BE LOCATED SO THE EDGE NEAREST THE CURB LINE IS 6" MINIMUM AND 8" MAXIMUM DISTANCE FROM THE CURB LINE. THE SURFACE SHALL EXTEND A MINIMUM OF 24" ONTO THE RAMP IN THE DIRECTION OF TRAVEL FOR THE FULL WIDTH OF THE CURB RAMP.
 3. IF A SIDEWALK CROSSES OR ADJOINS THE TRAVELWAY, AND THE WALKING SURFACE IS NOT SEPARATED BY CURBS, HANDRAILS, OR ANY SUCH TYPE DEVICES ARE NOT PLACED BETWEEN THE PEDESTRIAN AND VEHICULAR TRAFFIC, THEN THE BOUNDARY BETWEEN THE TWO AREAS SHALL BE DEFINED BY A CONTINUOUS DETECTABLE WARNING SURFACE THAT IS 36 INCHES WIDE.
 4. AT RAIL CROSSINGS, THE DETECTABLE WARNING SURFACE SHALL BE 24" DEEP AND FULL WIDTH OF THE SIDEWALK. THE EDGE OF THE SURFACE NEAREST THE RAIL CROSSING IS 6" MINIMUM AND 8" MAXIMUM DISTANCE FROM THE VEHICLE DYNAMIC ENVELOPE (6' FROM THE NEAREST RAIL) UNLESS OTHERWISE NOTED BY THE RAILROAD.
 5. DETECTABLE WARNING SURFACES SHALL CONSIST OF AN AREA OF TRUNCATED DOMES ALLOWED IN A SQUARE GRID PATTERN. THE BASE OF THESE DOMES SHALL BE AS SHOWN IN DETAIL 1 WITH NO MORE THAN 0.05 INCH VARIANCE TO ACCOMMODATE MANUFACTURER TOLERANCES. THE HEIGHT SHALL BE 0.2" - THE AVERAGE OF TEN (10) INDIVIDUAL NODES PICKED AT RANDOM IN ANY SQUARE FOOT AREA TO BE MEASURED. THE DETECTABLE WARNING DOMES SHALL HAVE A CENTER-TO-CENTER SPACING 1.6 - 2.4 INCHES.
 6. WHEN DOMES IN ANY ONE FOOT SQUARE AREA NEAR TO AN AVERAGE HEIGHT BELOW 0.151", THE SURFACE IS TO BE REPLACED.
 7. FOR ALL DETECTABLE WARNING SURFACES, THE DEPARTMENT'S DEFAULT COLOR IS SAFETY YELLOW (FEDERAL NUMBER 33538) UNLESS A SPECIFIC PROJECT REQUIRES ANOTHER COLOR. WHEN A COLOR OTHER THAN SAFETY YELLOW IS SELECTED FOR A PROJECT, THE COLOR SELECTED WILL CONTRAST EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. THE MANUFACTURER MUST CERTIFY TO THE DEPARTMENT THAT THE COLOR SELECTED MEETS THE CONTRAST SPECIFICATIONS OF THE ADAAG.
 8. SEE QUALIFIED PRODUCT LIST 61 FOR A LIST OF APPROVED MANUFACTURERS OF DETECTABLE WARNING DEVICES (TRUNCATED DOMES).
 9. THE BID ITEM SHALL BE DETECTABLE WARNING SURFACE.....S.F.

REFERENCES

NATIONAL DOCUMENTS

AMERICAN DISABILITIES ACT

ACCESSIBILITY GUIDELINES

SCDOT DOCUMENTS

QUALIFIED PRODUCT LIST 61

RELATED DRAWINGS & REVIEWS

PRECONSTRUCTION SUPPORT ENGINEER

SOUTH CAROLINA ENGINEERING PROFESSIONAL ENGINEER

NO. 8856

EMILY SYLVESTER ENGLE

DATE

MARCH 3, 2008

SCDOT

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

DESIGN STANDARDS OFFICE

955 PARK STREET

ROOM 405

COLUMBIA, SC 29201

STANDARD DRAWING

CURB & GUTTER AND SIDEWALK RAMPS WITH DETECTABLE WARNINGS FOR PEDESTRIANS

720-905-02

EFFECTIVE LETTING DATE

MAY, 2008

EARTHWORKS

planning and design consultants

11655 HIGHWAY 707

MURRELLS INLET, SC 29576

843.651.7900

(FAX) 843.651.7903

www.earthworksgroup.com

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1	05/02/24	ADDED HC COMMENTS DATED: 04/03/24
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3	08/29/24	ADDED HC COMMENTS DATED: 08/26/24

SEAWINDS COMMERCIAL

SITE DETAILS

PREPARED FOR: SALEH AT SEAWINDS, LLC

MYRTLE BEACH, SC

PROJECT: 221914

DATE: 7/24/2023

SCALE:

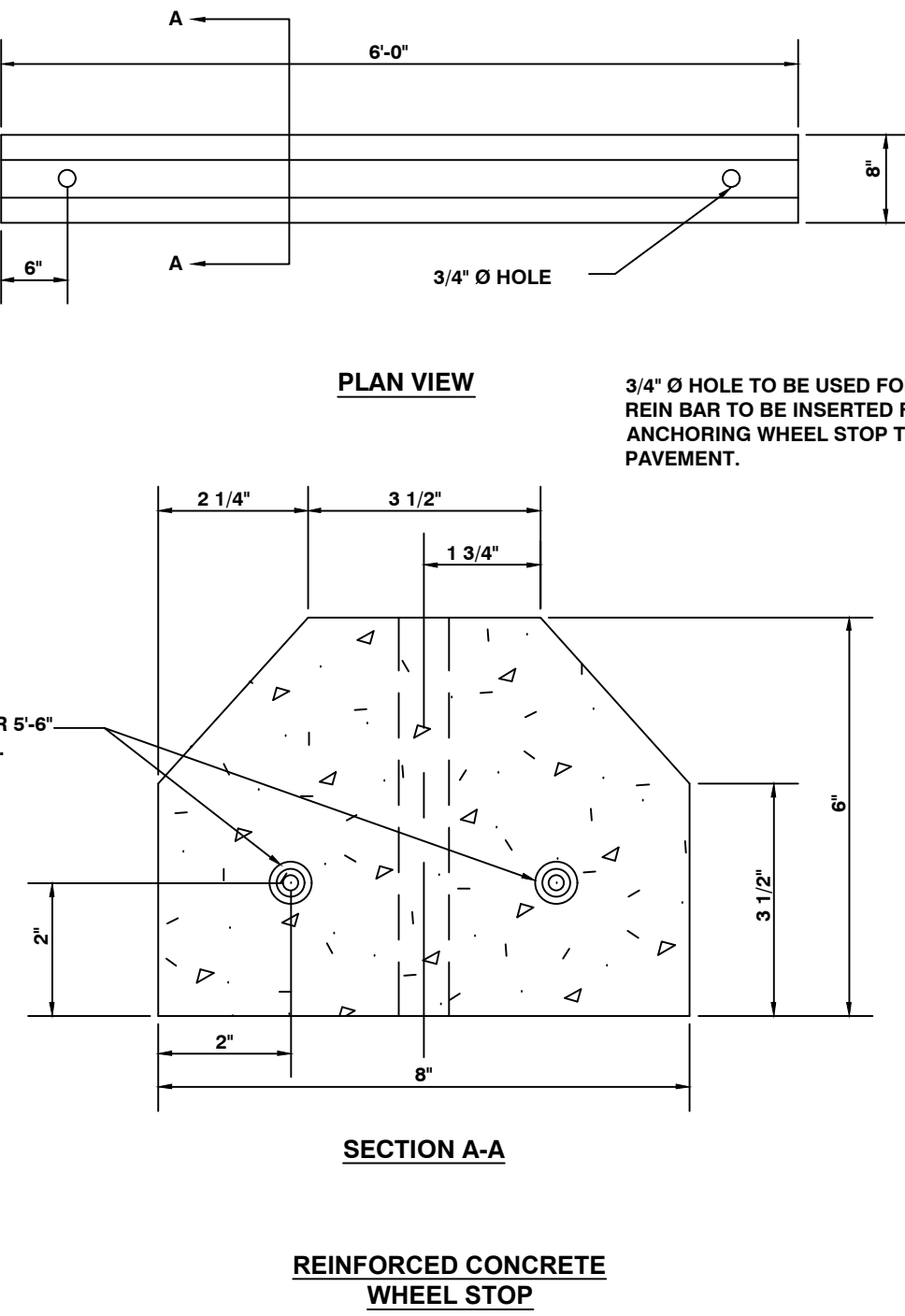
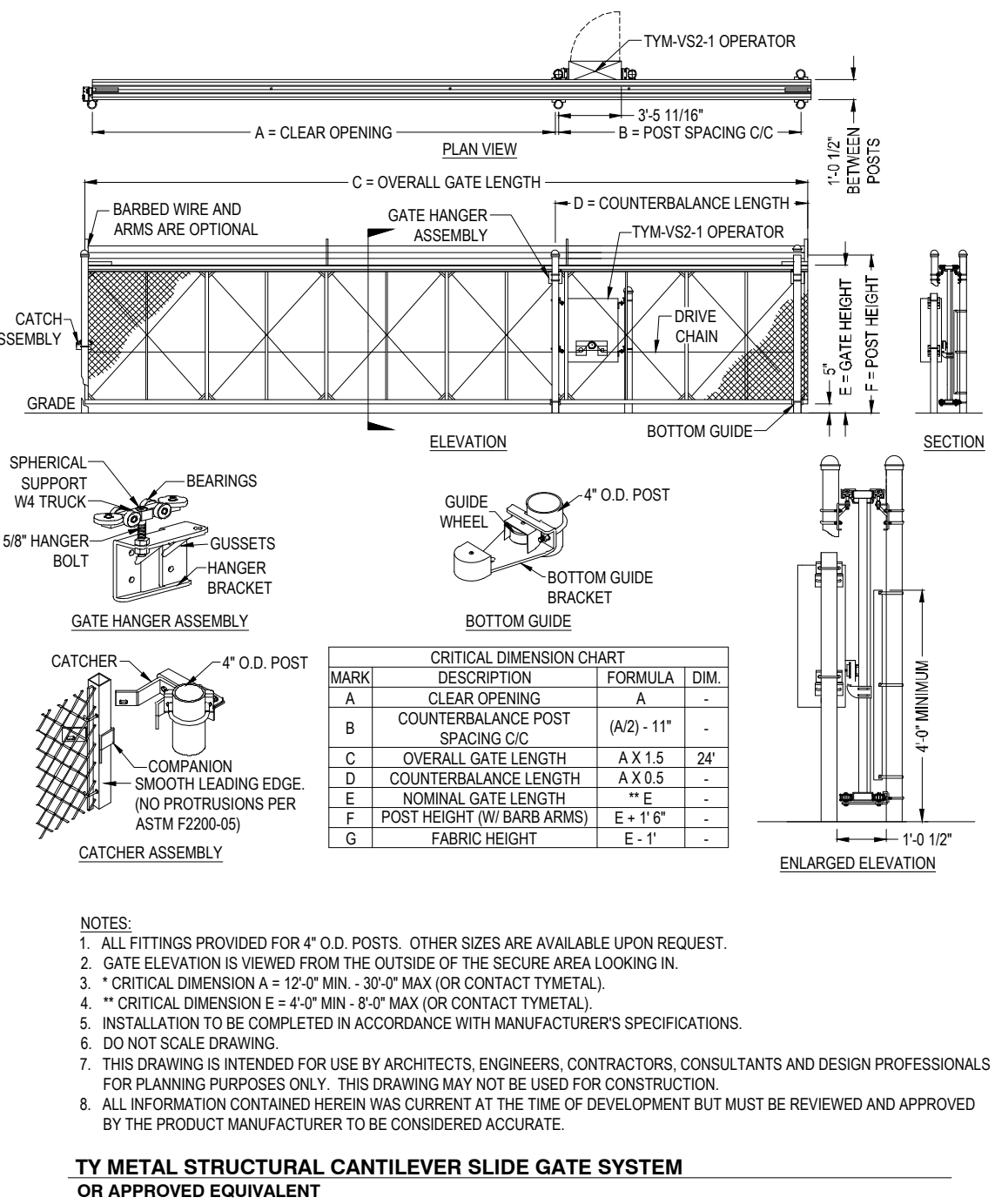
DESIGNED BY: SJZ

DRAWN BY: SJZ

CHECKED BY: MHD

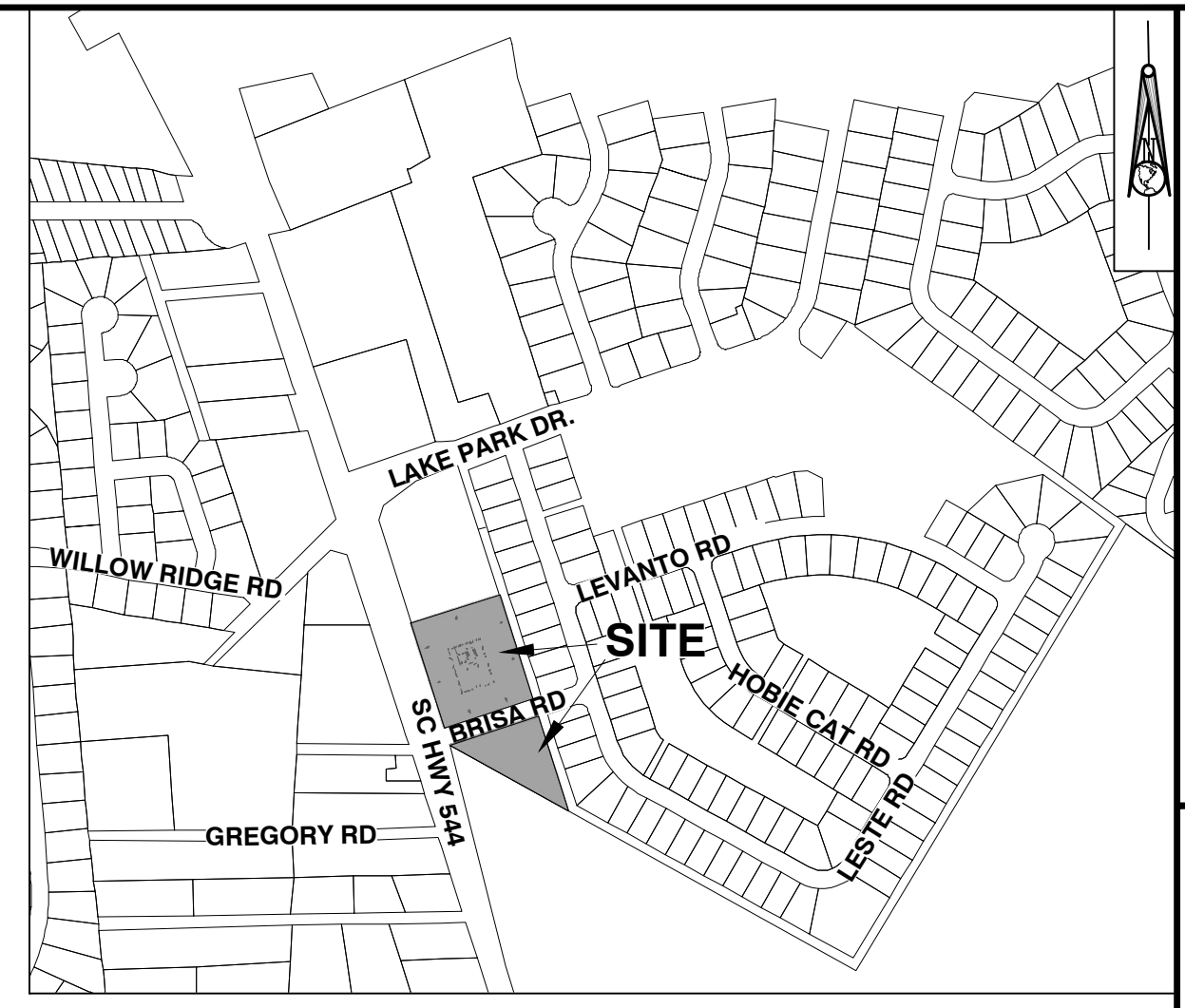
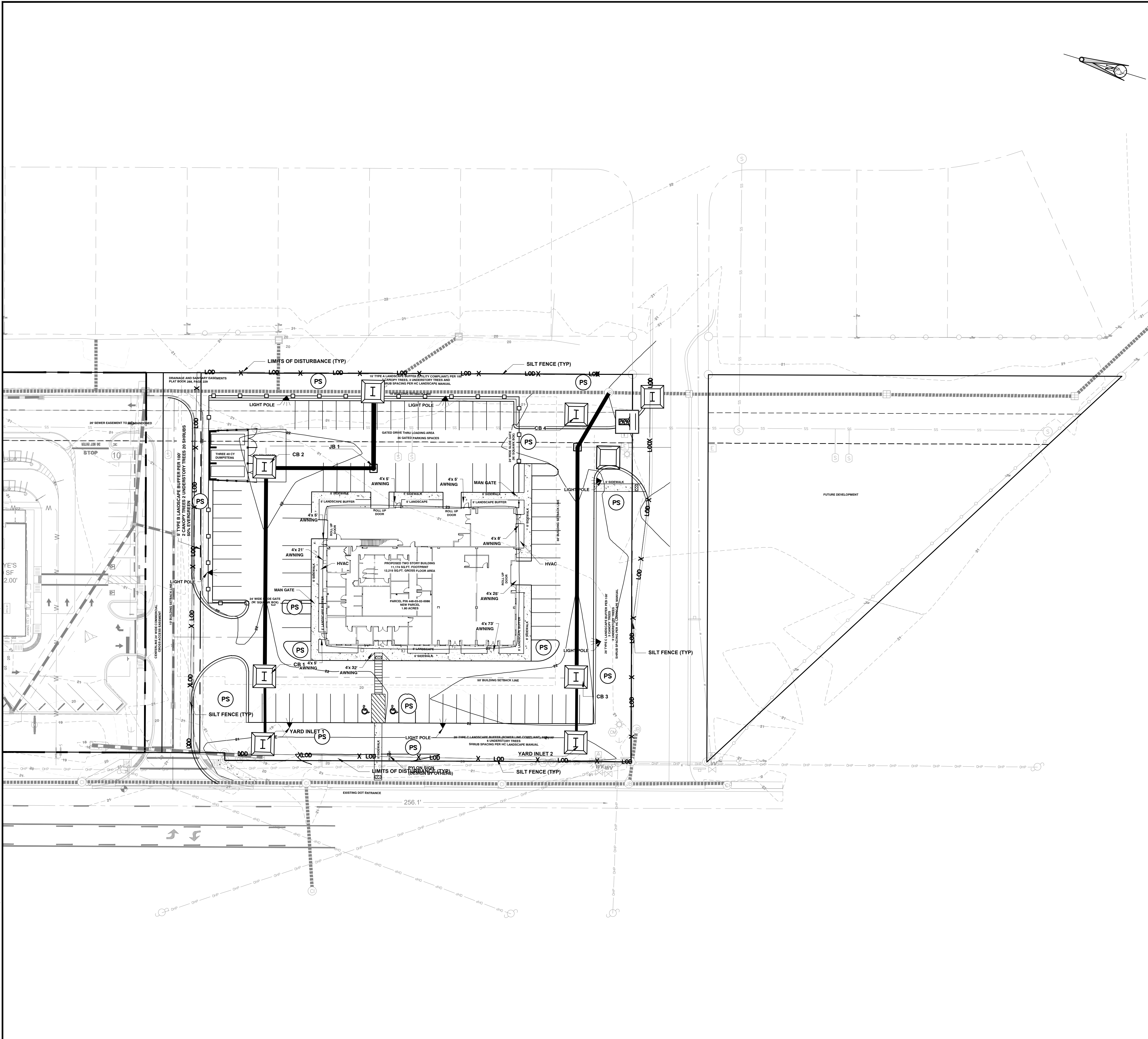
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DRAWING NAME: V:\Projects\221914\Site Details\Site Details.dwg DATE: 7/24/23 BY: MHD

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VICINITY MAP

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SELAH AT SEAWINDS LLC
 1314 HAGLEY DRIVE
 PAWLEYS ISLAND, SC 29585

DEVELOPER NOTES:
DEPENDABLE SERVICES
 PO BOX 1665
 PAWLEYS ISLAND, SC 29585

GENERAL NOTES:
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 PIN#: 44803020086
 THE MAJORITY OF THIS PROPERTY IS LOCATED IN FLOOD ZONE X ACCORDING TO F.I.R.M. # 45051C0711K DATED DEC. 16, 2021

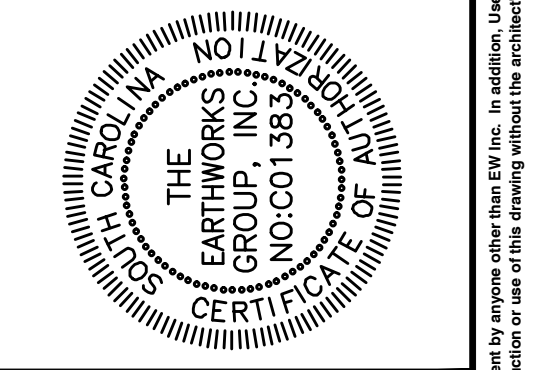
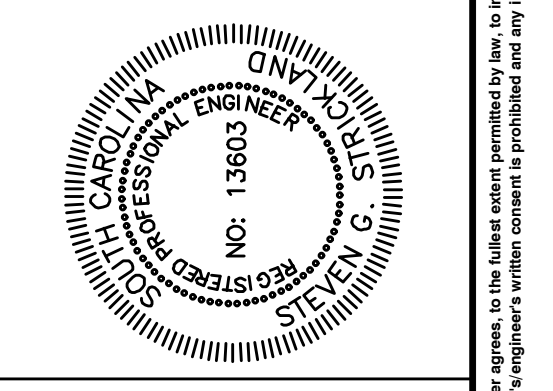
EROSION CONTROL LEGEND	
DESCRIPTION	PLAN SYMBOL
SILT FENCE	— X —
PERMANENT SEEDING	⊙ PS
STABILIZED CONSTRUCTION ENTRANCE	▣
CONCRETE WASHOUT	▣
STORM DRAIN INLET PROTECTION - CATCH BASIN INSERT	⊙ I

- CONSTRUCTION SEQUENCE**
1. INSTALL CONSTRUCTION ENTRANCE
 2. CLEAR AND GRUB AREAS FOR PERIMETER CONTROLS
 3. INSTALL SEDIMENT BASINS/CHECK DAMS/SILT FENCE, AND PROVIDE IMMEDIATE STABILIZATION ONCE GRADED
 4. COMPLETE SITE CLEARING & GRUBBING
 5. ROUGH GRADE ROADS AND DRAINAGE
 6. PAVE PROPOSED PARKING LOT
 7. GRADING FOR REMAINDER OF SITE
 8. INSTALL UTILITIES AND STORMWATER PIPING/CONTROLS
 9. FINAL GRADING, LANDSCAPING AND STABILIZATION
 10. REMOVAL OF SEDIMENT CONTROLS WITHIN 30 DAYS OF FINAL STABILIZATION

NOTE: AS-BUILTS (RECORD DRAWINGS) ARE TO BE SUPPLIED TO Horry COUNTY PRIOR TO FINAL INSPECTION. THESE ARE TO BE CERTIFIED BY EITHER A PE OR PLS
 THE LAND DISTURBING ACTIVITY WILL BE ACCOMPLISHED PURSUANT TO THE CONCEPT PLAN AND THE CITY HAS THE RIGHT TO CONDUCT ON-SITE INSPECTIONS.

CONSTRUCTION PHASE 1	
ACTIVITY - PER CGP	DATE
INSTALL CONSTRUCTION ENTRANCE AT START OF JOB. (SEE DETAIL)	
INSTALL PERIMETER SILT FENCE FOR PHASE. (SEE DETAIL)	
TEMPORARY STABILIZATION OF DRAINAGE EASEMENTS UPON COMPLETION OF PIPE INSTALLATION - PER GENERAL CONSTRUCTION PERMIT.	
INSTALL EROSION CONTROL BLANKET ALONG POND SLOPE UPON COMPLETION OF PIPE INSTALLATION - PYRAMAT TURF REINFORCEMENT MAT.	

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REVISION SCHEDULE			
NO.	DATE	DESCRIPTION	BY
1	05/02/24	ADRESSED HC COMMENTS DATED: 04/03/24	RLH
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3	08/29/24	ADRESSED HC COMMENTS DATED: 08/26/24	RLH

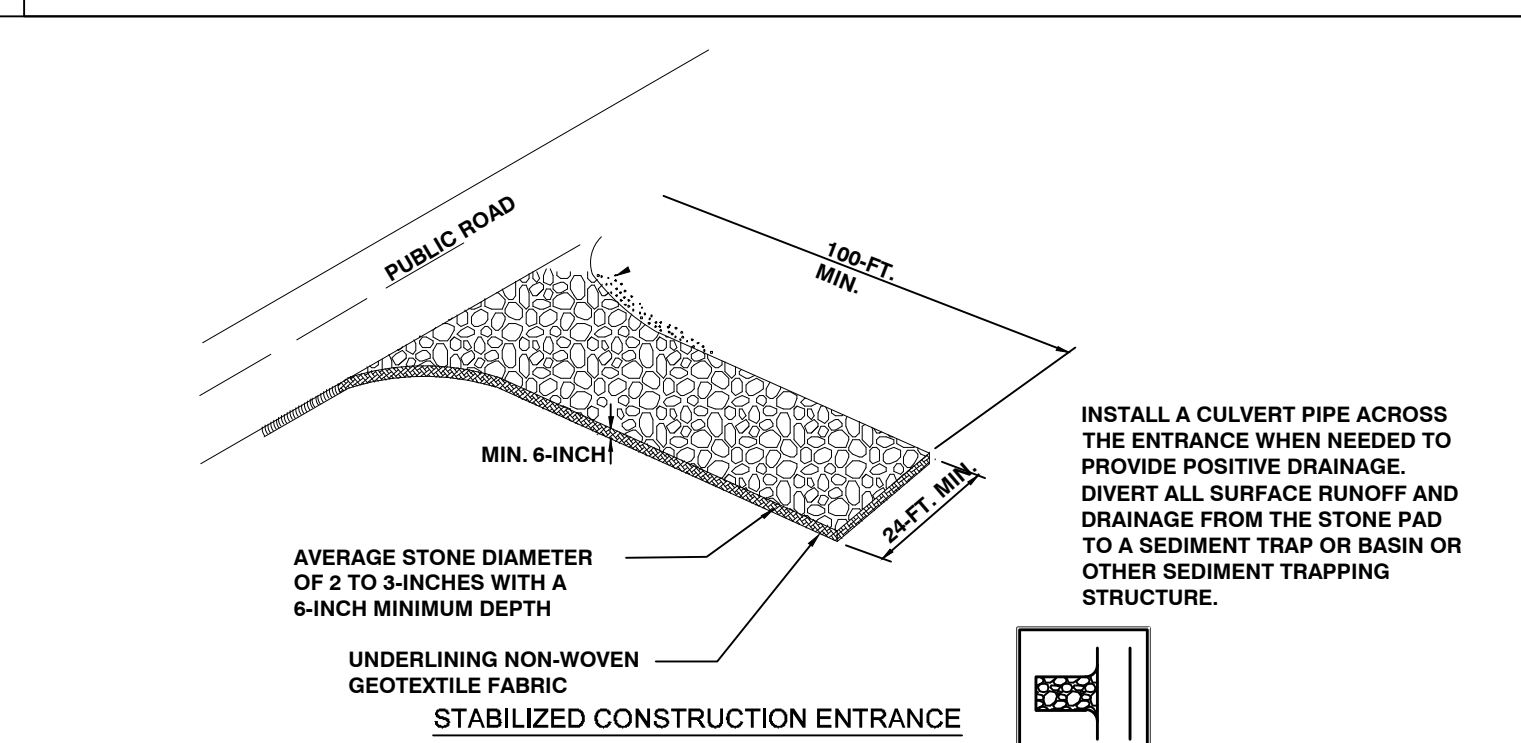
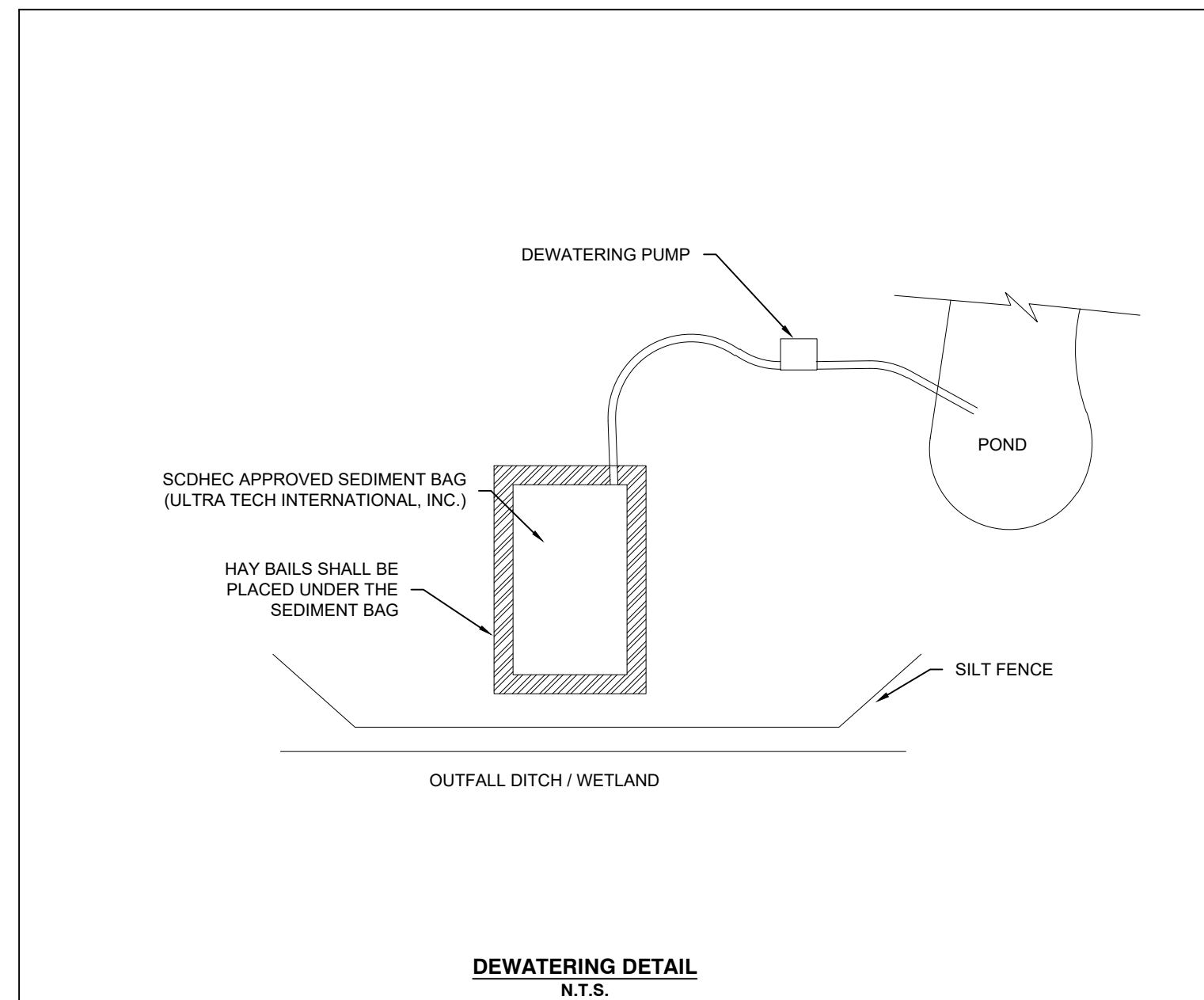
SEAWINDS COMMERCIAL
EROSION CONTROL PLAN
SALEH AT SEAWINDS, LLC
 MYRTLE BEACH, SC

PROJECT: 221314
 DATE: 7/24/2023
 SCALE: 1"=30' XREF
 DESIGNED BY: SJZ
 DRAWN BY: SJZ
 CHECKED BY: MHD

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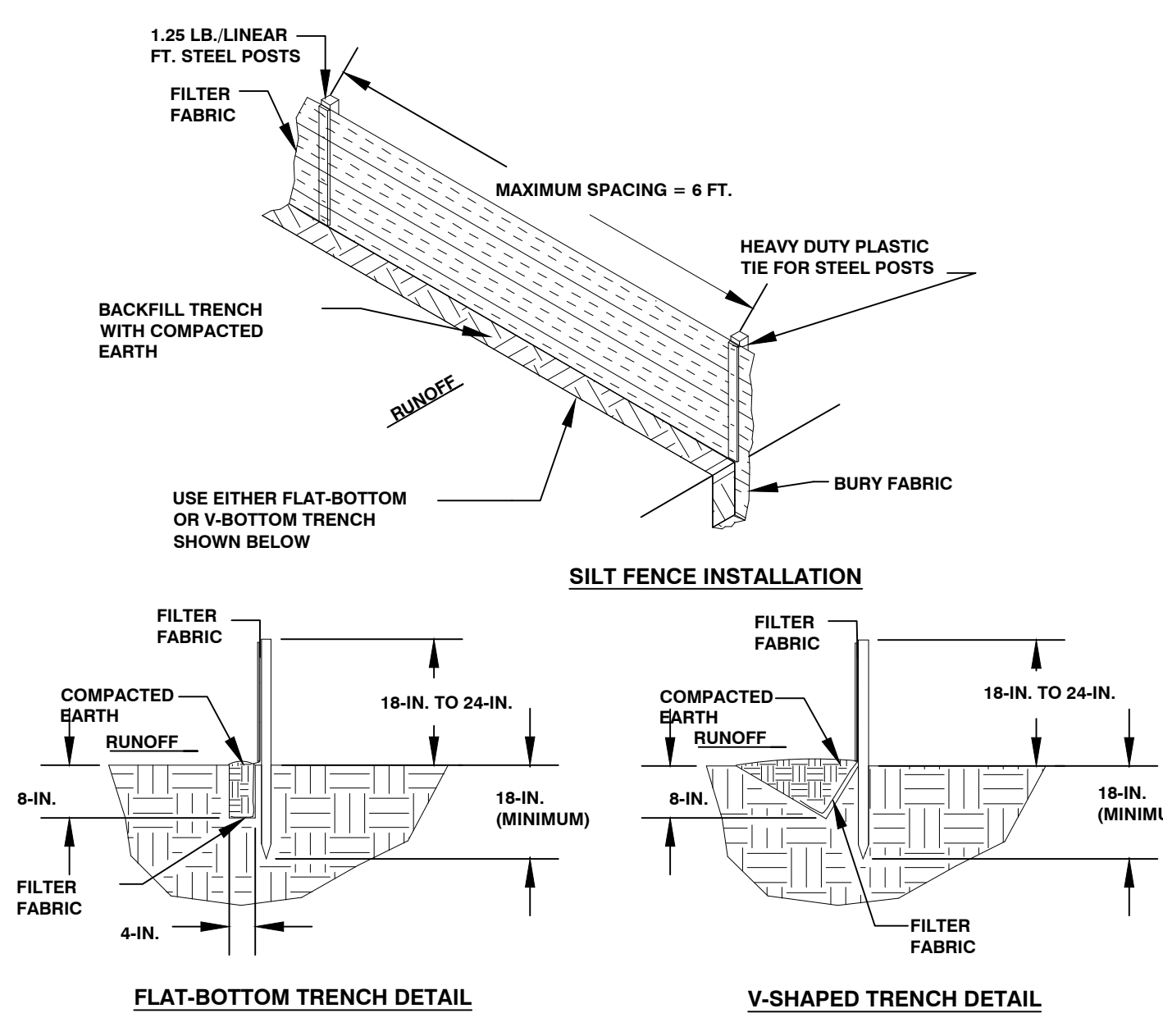
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WHEN AND WHERE TO USE IT
STABILIZED CONSTRUCTION ENTRANCES SHOULD BE USED AT ALL POINTS WHERE TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE AND MOVING DIRECTLY ONTO A PUBLIC ROAD.

IMPORTANT CONSIDERATIONS:
IF WASHING IS USED, PROVISION MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFFSITE. WASHDOWN FACILITIES SHALL BE REQUIRED AS DIRECTLY BY SCDHEG AS NEEDED. WASHDOWN AREAS IN GENERAL MUST BE ESTABLISHED WITH CRUSHED GRAVEL AND DRAIN INTO A SEDIMENT TRAP OR SEDIMENT BASIN. CONSTRUCTION ENTRANCES SHOULD BE USED IN CONJUNCTION WITH THE STABILIZATION OF CONSTRUCTION ROADS TO REDUCE THE AMOUNT OF MUD PICKED UP BY VEHICLES. INSTALLATION: REMOVE ALL VEGETATION AND ANY OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM STONES TO A SEDIMENT TRAP OR BASIN. INSTALL A NON-WOVEN GEOTEXTILE FABRIC PRIOR TO PLACING ANY STONE. INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDE POSITIVE DRAINAGE. THE ENTRANCE SHALL CONSIST OF 1-INCH TO 3-INCH D50 STONE PLACED AT A MINIMUM DEPTH OF 6-INCHES. MINIMUM DIMENSIONS OF THE ENTRANCE SHALL BE 24-FEET WIDE BY 100 FEET LONG, AND MAY BE MODIFIED AS NECESSARY TO ACCOMMODATE SITE CONSTRAINTS. THE EDGES OF THE ENTRANCE SHALL BE TAPERED OFF TOWARDS THE ROAD TO PREVENT TRACKING OF MUD AT THE EDGE OF THE ENTRANCE. STABILIZE CONSTRUCTION ENTRANCE.

INSPECTION AND MAINTENANCE:
INSPECT CONSTRUCTION ENTRANCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24-HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 1/2 INCHES OR MORE OF PRECIPITATION, OR AFTER HEAVY USE. CHECK FOR MUD AND SEDIMENT BUILDUP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING PERIODS OF WET WEATHER. MAINTENANCE IS REQUIRED MORE FREQUENTLY IN WET WEATHER CONDITIONS. RESHAPE THE STONE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. WASH OR REPLACE STONES AS NEEDED AND AS DIRECTED BY THE INSPECTOR. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF-SITE BY VEHICLES. FREQUENT WASHING WILL EXTEND THE USEFUL LIFE OF STONE. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. FLUSHING SHOULD ONLY BE USED WHEN THE WATER CAN BE DISCHARGED TO A SEDIMENT TRAP OR BASIN. REPAIR ANY BROKEN PAVEMENT IMMEDIATELY.



WHEN AND WHERE TO USE IT:
SILT FENCE IS APPLICABLE IN AREAS WHERE THE MAXIMUM SHEET OR OVERLAND FLOW PATH LENGTH TO THE FENCE IS 100FT. WHERE THE MAXIMUM SLOPE STEEPNESS (NORMAL TO THE FENCE LINE) IS 2H:1V THAT DO NOT RECEIVE CONCENTRATION FLOWS GREATER THAN 0.5 CFS.

DO NOT PLACE SILT FENCE ACROSS CHANNELS OR USE IT AS A VELOCITY CONTROL BMP.

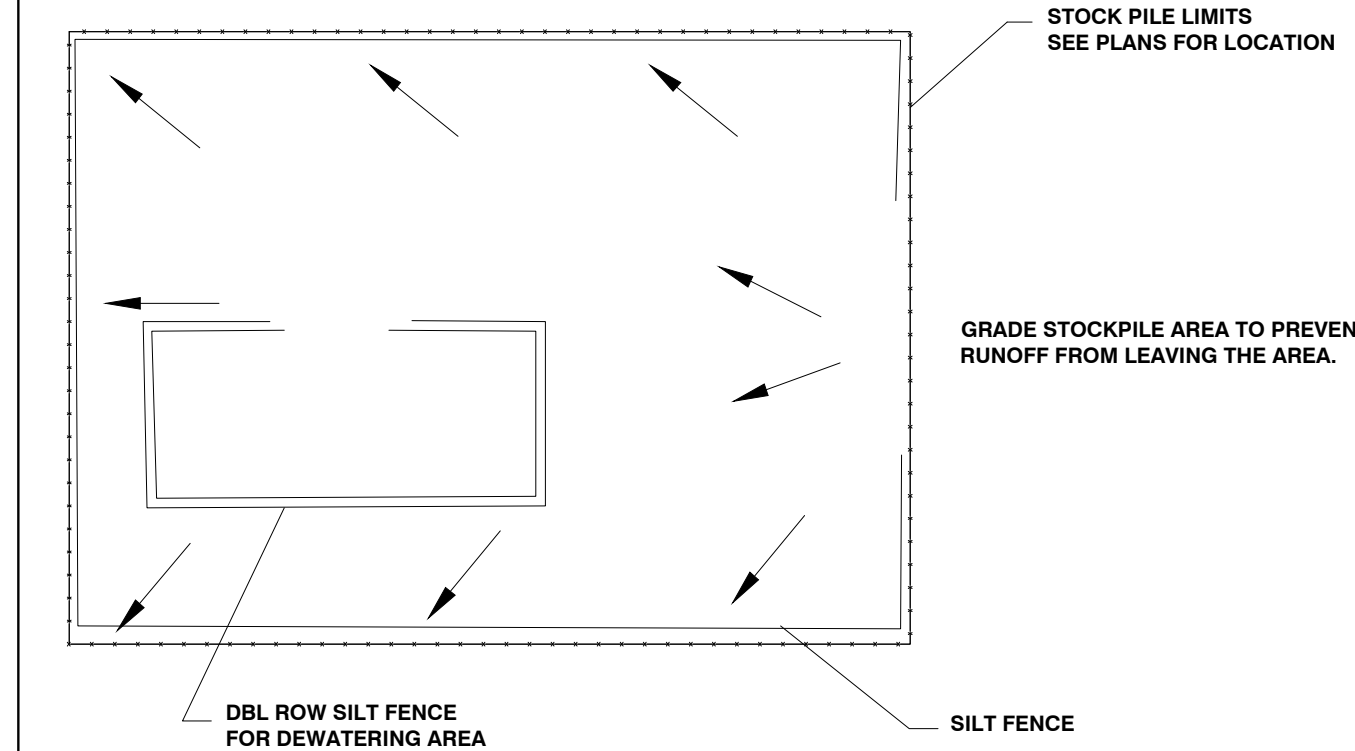
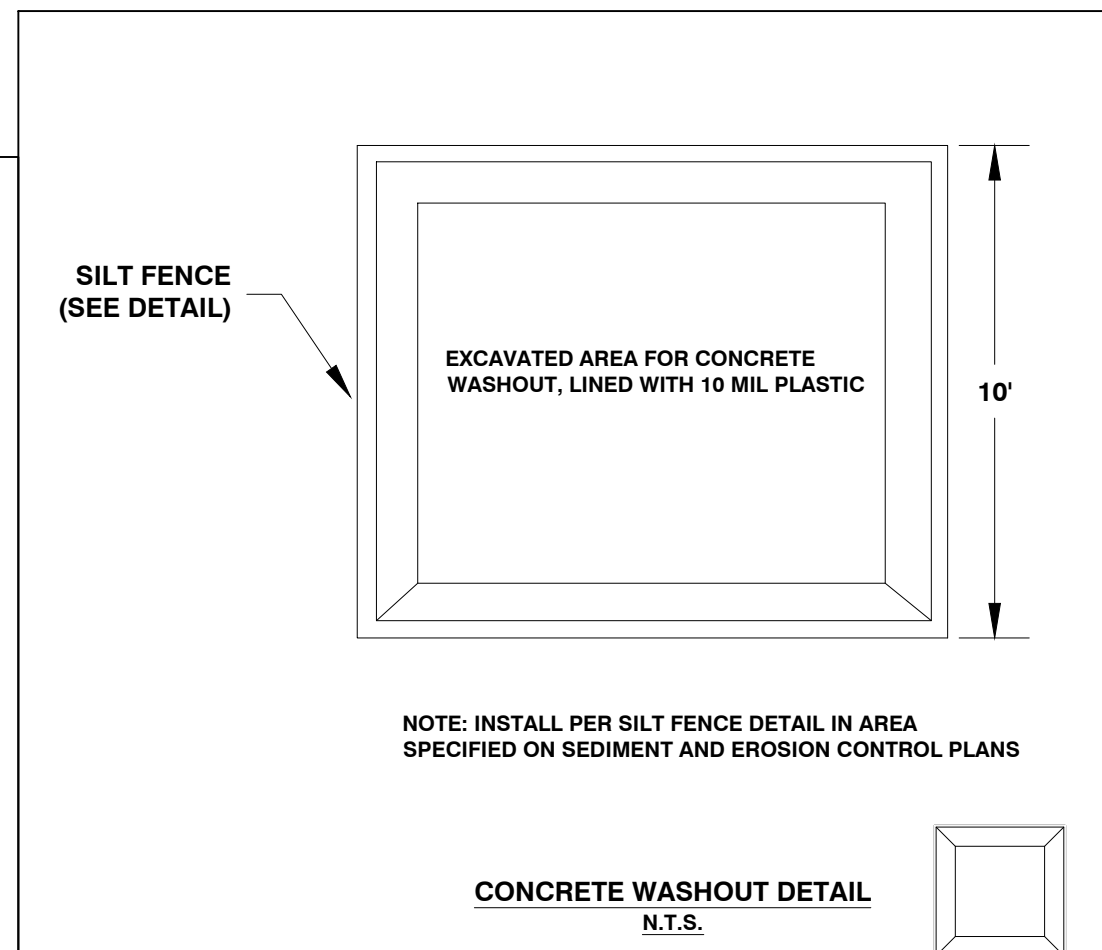
MATERIALS
STEEL POSTS USE 48-INCH LONG STEEL POSTS THAT MEET THE FOLLOWING MINIMUM PHYSICAL REQUIREMENTS COMPOSED OF HIGH STRENGTH STEEL WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI. HAVE A STANDARD "I" SECTION WITH A NOMINAL FACE WIDTH OF 1.38-INCHES AND A NOMINAL "T" LENGTH OF 1.48 INCHES. WITH 1.25 POUNDS PER FOOT (+/- 8%) HAVE A SOIL STABILIZATION PLATE WITH A MINIMUM CROSS SECTION AREA OF 17-SQUARE INCHES TO THE STEEL POSTS. PAINTED WITH A WATER BASED BLENDED ENAMEL PAINT. USE STEEL POSTS WITH A MINIMUM LENGTH OF 4-FEET, WEIGHING 1.25 POUNDS PER LINEAR FOOT WITH PROJECTIONS TO AID IN FASTENING THE FABRIC. EXCEPT WHEN HEAVY CLAY SOILS ARE PRESENT ON SITE, STEEL POSTS WILL HAVE A METAL SOIL STABILIZATION PLATE WELDED NEAR THE BOTTOM SUCH THAT WHEN THE POST IS DRIVEN TO THE PROPER DEPTH, THE PLATE WILL BE BELOW THE GROUND LEVEL FOR ADDED STABILITY. THE SOIL PLATES SHOULD HAVE THE FOLLOWING CHARACTERISTICS. BE COMPOSED OF MINIMUM 15 GAUGE STEEL. HAVE A MINIMUM CROSS SECTION AREA OF 17-SQUARE INCHES.

GEOTEXTILE FILTER FABRIC
FILTER FABRIC IS COMPOSED OF FIBERS CONSISTING OF LONG CHAIN SYNTHETIC POLYMERS COMPOSED OF AT LEAST 85% BY WEIGHT OF POLYOLEFINS, POLYESTERS, OR POLYAMIDES. FORMED INTO A NETWORK SUCH THAT THE FILAMENTS OR YARNS RETAIN DIMENSIONAL STABILITY RELATIVE TO EACH OTHER. FREE OF ANY TREATMENT OR COATING WHICH MIGHT ADVERSELY ALTER ITS PHYSICAL PROPERTIES AFTER INSTALLATION. FREE OF DEFECTS OR FLAWS THAT SIGNIFICANTLY AFFECT ITS PHYSICAL AND/OR FILTERING PROPERTIES. CUT TO A MINIMUM WIDTH OF 36 INCHES. USE ONLY FABRIC APPEARING ON SCDOT APPROVAL SHEET #54 MEETING THE REQUIREMENT OF THE MOST CURRENT EDITION OF THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. SILT FENCE DETAIL.

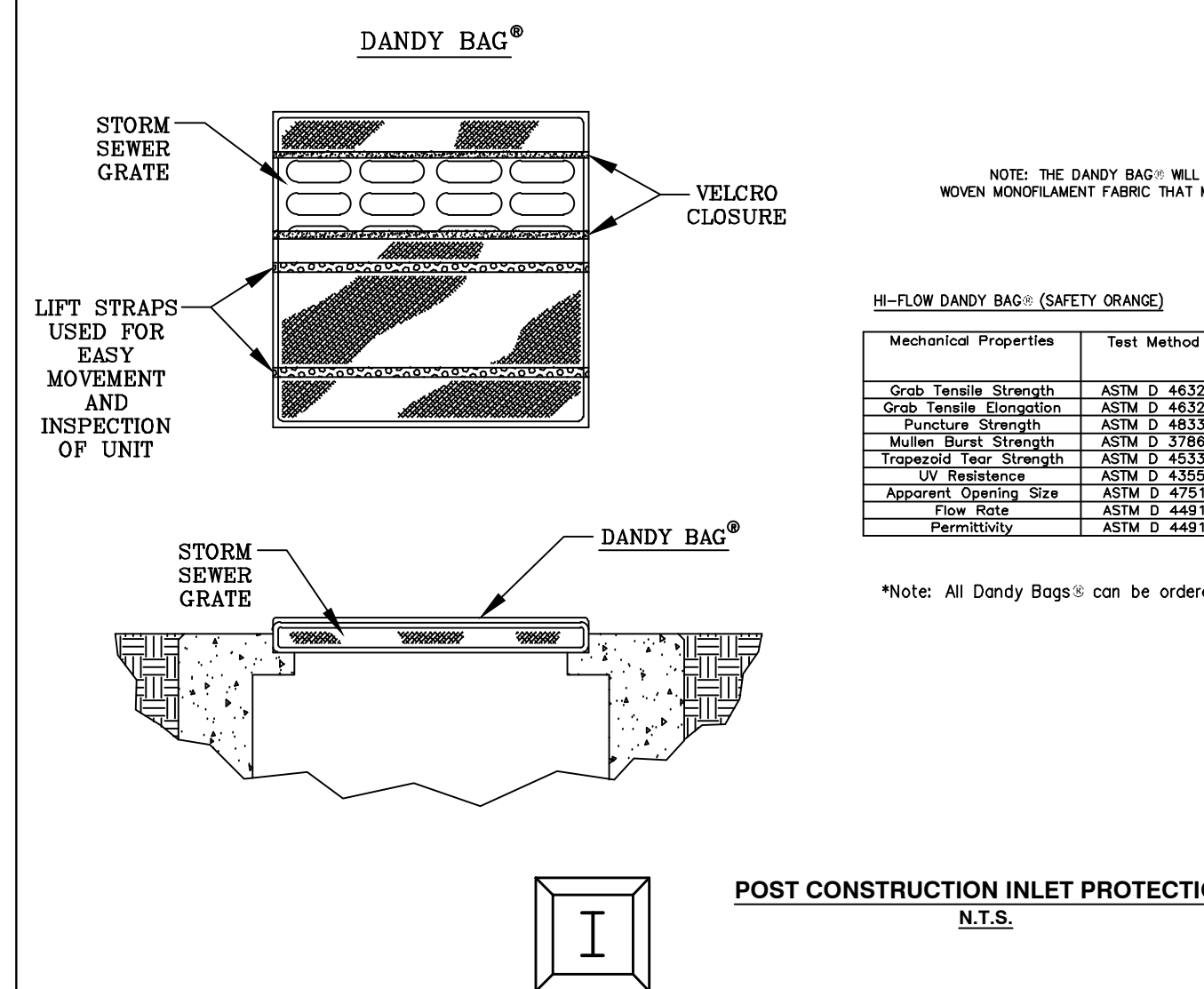
INSTALLATION
EXCAVATE A TRENCH APPROXIMATELY 6-INCHES WIDE AND 6-INCHES DEEP WHEN PLACING FABRIC BY HAND. PLACE 12-INCHES OF GEOTEXTILE FABRIC INTO THE 6-INCH DEEP TRENCH, EXTENDING THE REMAINING 6-INCHES TOWARDS THE UPSLOPE OF THE TRENCH. BACKFILL THE TRENCH WITH SOIL OR GRAVEL, AND COMPACT. BURY 12-INCHES OF FABRIC INTO THE GROUND WHEN PNEUMATICALLY INSTALLING SILT FENCE WITH A SLICING METHOD. PURCHASE FABRIC IN CONTINUOUS ROLLS AND CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS. WHEN JOINTS ARE NECESSARY, WRAP THE FABRIC TOGETHER AT A SUPPORT POST WITH BOTH ENDS FASTENED TO THE POST, WITH A 6-INCH MINIMUM OVERLAP. INSTALL POSTS TO A MINIMUM DEPTH OF 24-INCHES. INSTALL POSTS A MINIMUM OF 1 TO 2 INCHES ABOVE THE FABRIC, WITH NO MORE THAN 3- FEET OF THE POST ABOVE THE GROUND. SPACE POSTS TO MAXIMUM 6- FEET CENTERS. ATTACH FABRIC TO THE WOOD POSTS USING STAPLES MADE OF HEAVY-DUTY WIRE AT LEAST 1 1/2-INCH LONG, SPACED A MAXIMUM OF 6-INCHES APART. STAPLE A 2-INCH WIDE LATHE OVER THE FILTER FABRIC TO SECURELY FASTEN IT TO THE UPSLOPE SIDE OF WOODEN POSTS. ATTACH FABRIC TO THE STEEL POSTS USING HEAVY-DUTY PLASTIC TIES THAT ARE EVENLY SPACED IN A MANNER TO PREVENT SAGGING OR TEARING OF THE FABRIC. IN ALL CASES, TIES SHOULD BE AFFIXED IN NO LESS THAN 4 PLACES. INSTALL THE FABRIC A MINIMUM OF 24-INCHES ABOVE THE GROUND. WHEN NECESSARY, THE HEIGHT OF THE FENCE ABOVE GROUND MAY BE GREATER THAN 24-INCHES. IN TIDAL AREAS, EXTRA SILT FENCE HEIGHT MAY BE REQUIRED. THE POST HEIGHT WILL BE TWICE THE EXPOSED POST HEIGHT. POST SPACING WILL REMAIN THE SAME AND EXTRA HEIGHT FABRIC WILL BE 4, 5, OR 6 FEET TALL. LOCATE SILT FENCE CHECKS EVERY 100 FEET MAXIMUM AND AT LOW POINTS. INSTALL THE FENCE PERPENDICULAR TO THE DIRECTION OF FLOW AND PLACE THE FENCE THE PROPER DISTANCE FROM THE TOE OF STEEP SLOPES TO PROVIDE SEDIMENT STORAGE AND ACCESS FOR MAINTENANCE AND CLEANOUT.

INSPECTION AND MAINTENANCE
INSPECT EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 1/2 OR MORE OF PRECIPITATION. CHECK FOR SEDIMENT BUILDUP AND FENCE INTEGRITY. CHECK WHERE RUNOFF HAS ERODED A CHANNEL BENEATH THE FENCE, OR WHERE THE FENCE HAS SAGGED OR COLLAPSED BY FENCE OVERTOPPING. IF THE FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE SECTION OF FENCE IMMEDIATELY. REMOVE SEDIMENT ACCUMULATED ALONG THE FENCE WHEN IT REACHES 1/3 THE HEIGHT OF THE FENCE, ESPECIALLY IF HEAVY RAINS ARE EXPECTED. REMOVE TRAPPED SEDIMENT FROM THE SITE OR STABILIZE IT ON SITE. REMOVE SILT FENCE WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED OR AFTER TEMPORARY BEST MANAGEMENT PRACTICES (BMP) ARE NO LONGER NEEDED. PERMANENTLY STABILIZE DISTURBED AREAS RESULTING FROM FENCE REMOVAL.

SILT FENCE DETAIL

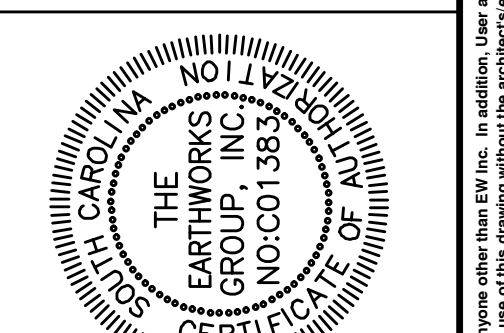
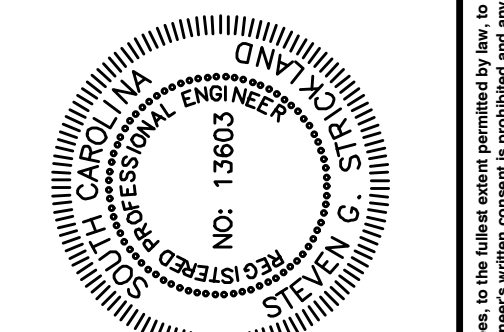


DEWATERING BAG NOTE:
1. USE DEWATERING BAGS FOR DEWATERING OPERATIONS THAT DO NOT DISCHARGE TO SEDIMENT DAMS OR SEDIMENT BASINS.
2. INSTALL THE DEWATERING BAG ON A MILD SLOPE TO ENSURE INCOMING WATER FLOWS DOWNHILL THROUGH THE DEWATERING BAG.
3. SECURE THE HOSE TO BAG CONNECTION USING A HEAVY DUTY PIPE CLAMP OR OTHER SUITABLE MEANS TO PREVENT LEAKAGE.
4. PLACE THE DEWATERING BAG ON A HIGHLY PERMEABLE SURFACE SUCH AS AGGREGATE OR COARSE SAND TO MAXIMIZE WATER FLOW THROUGH THE ENTIRE SURFACE AREA OF THE BAG.
5. MONITOR THE DEWATERING BAG AT ALL TIMES WHILE THE PUMP IS RUNNING TO PREVENT SEDIMENT RESUSPENSION. THE PUMP INTAKE SHOULD NOT BE PLACED ON THE GROUND. INSTEAD THE INTAKE SHOULD BE FIXED ABOVE GROUND AT A HEIGHT TO MINIMIZE SEDIMENT RESUSPENSION.



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REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1	05/02/24	ADRESSED HC COMMENTS DATED: 04/03/24
2	08/20/24	ADRESSED HC COMMENTS DATED: 06/13/24
3	08/29/24	ADRESSED HC COMMENTS DATED: 08/26/24

BY: RLH
MHD
RLH

SEAWINDS COMMERCIAL
EROSION CONTROL DETAILS
SALEH AT SEAWINDS, LLC
MYRTLE BEACH, SC

PREPARED FOR: SJZ
DESIGNED BY: SJZ
DRAWN BY: SJZ
CHECKED BY: MHD

PROJECT: 221314 - SEAWINDS COMMERCIAL
DATE: 7/24/2023
SCALE:
SHEET
EC2.0

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The User agrees to the full extent permitted by law to indemnify and hold EWP Inc. harmless from any damage, liability or cost, including reasonable attorney's fees and costs of defense arising from any changes made by anyone other

WATER & SEWER NOTES:
SEWER SERVICES ARE TO BE INSPECTED BY GSWSA (843-443-8202) PRIOR TO BACKFILLING TRENCH.

WATER TAP:

- CONTRACTOR TO VERIFY WATER MAIN PRIOR TO OPEN CUT
- DEMO EXISTING SIDEWALK RAMP AND INSTALL PEDESTRIAN TRAFFIC CONTROL
- PROVIDE TRAFFIC CONTROL FOR OPEN CUT
- OPEN CUT ROAD AND INSTALL WATER TAP WITH REQUIRED RESTRAINTS
- INSTALL HIGH VOLUME ASPHALT PATCH, MILL AT TRANSITION EDGES
- OVERLAY APRON FROM MOB TIE TO BRISA AVE APRON
- INSTALL SIDEWALK RAMP TO ADA COMPLIANT STANDARDS

NOTES:

- IF OBSTRUCTION BYPASS IS NEEDED AND A DEFLECTION UNDER DRAINAGE PIPE CANNOT BE MADE, SEE STORM DRAIN CROSSING DETAIL. EARTHWORKS IS TO BE PRESENT AND WITNESS ALL OBSTRUCTION BYPASS INSTALLATIONS.
- ALL ABOVE GRADE UTILITIES ARE TO BE OUT OF THE RW AND OUT OF THE CURB LINE.
- CONTRACTOR TO VERIFY MANHOLE TROUGH INVERT FOR SEWER MAIN TIE IN.
- CONTRACTOR TO ORIENT MANHOLE CONE SO THAT THE COVER IS OUT OF SIDEWALK.
- ALL WATERLINE TEES, BENDS, CROSSINGS, ETC SHALL REQUIRE DI-MJ RESTRAINTS
- NO THRUST BLOCKS ALLOWED. AREAS SHALL BE BACKFILLED WITH #7 STONE AND COMPACTED.
- THE CONTRACTOR TO VERIFY THE EXISTING WATER STUB AND 8" SEWER FOR THE IN.
- SAW CUT EXISTING ASPHALT FOR SEWER TIE IN TO EXISTING SEWER MANHOLE

GENERAL NOTES:

THIS PROPERTY IS KNOWN AS SEAWINDS COMMERCIAL
PIN #44803020086
THIS PROPERTY IS LOCATED IN FLOOD ZONE X ACCORDING TO F.I.R.M. # 45051C0711K, DATED: 12/16/2021
LAST PROPERTY TRANSFER: 12/28/2022
WETLAND LETTER: N/A
SECURITY GATES SHALL HAVE AN APPROVED MEANS OF EMERGENCY OPERATIONS AS PER 2021 SCFC 503.6



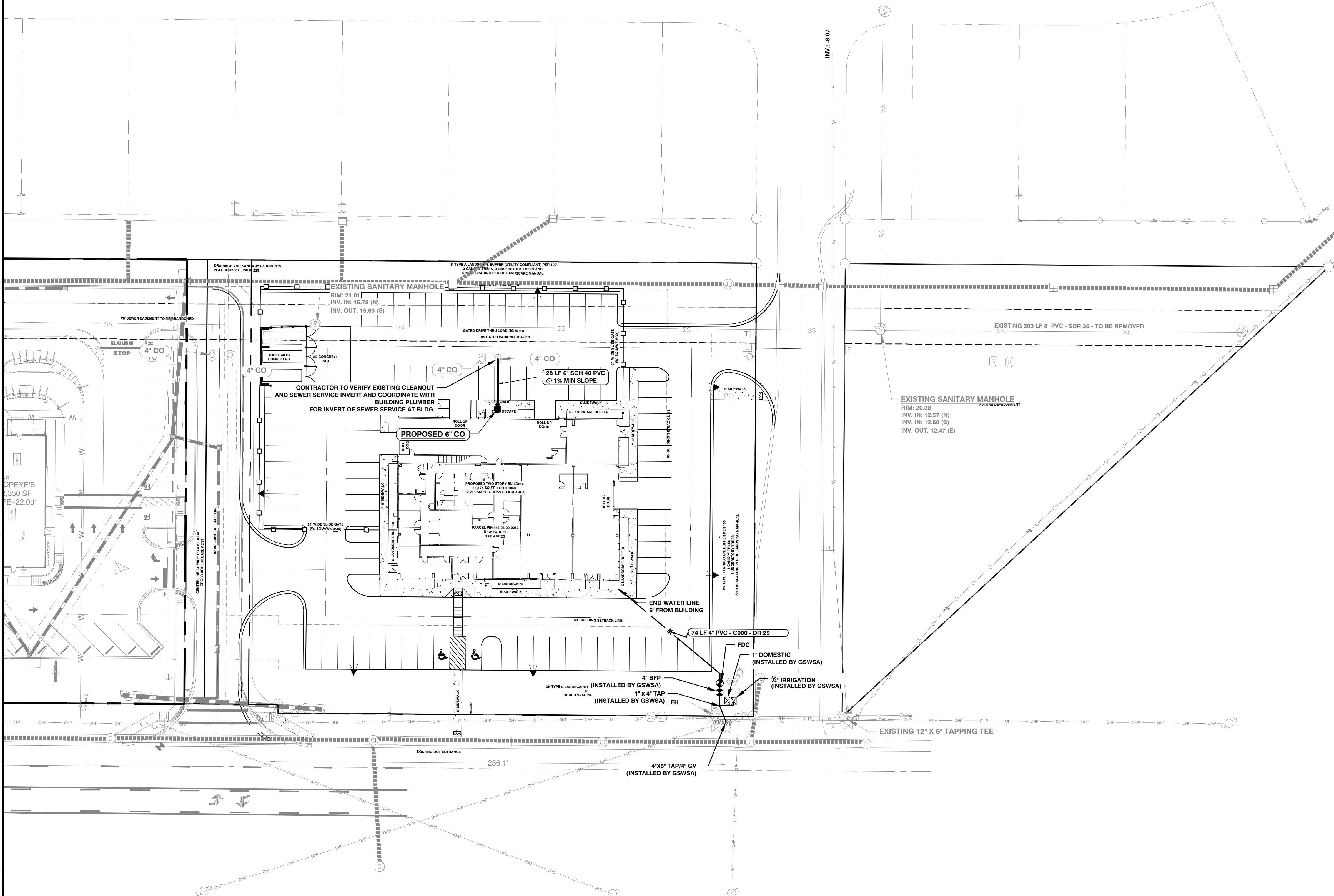
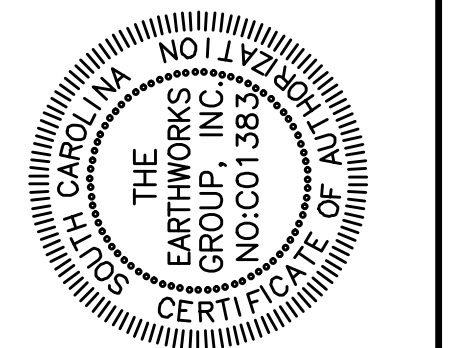
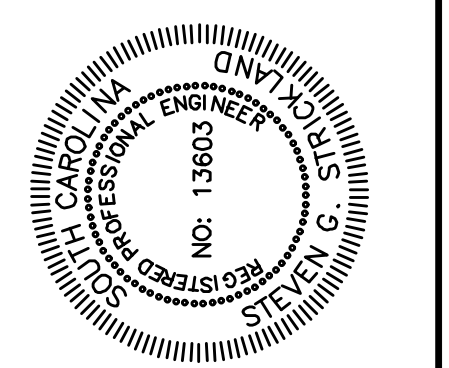
VICINITY MAP

OWNER NOTES:
SELAH AT SEAWINDS LLC
1314 HAGLEY DRIVE
PAWLEYS ISLAND, SC 29585

DEVELOPER NOTES:
DEPENDABLE SERVICES
PO BOX 1665
PAWLEYS ISLAND, SC 29585

GENERAL NOTES:
THIS PROPERTY IS KNOWN AS DEPENDABLE SERVICES SEAWINDS PROJECT.
PIN # : 44803020086
THE MAJORITY OF THIS PROPERTY IS LOCATED IN FLOOD ZONE X ACCORDING TO F.I.R.M. # 45051C0711K DATED DEC. 16, 2021

EARTHWORKS
planning and design consultants
11655 HIGHWAY 707
MURRELLS INLET, SC 29576
843.651.7900
(FAX) 843.651.7903
www.earthworksgroup.com



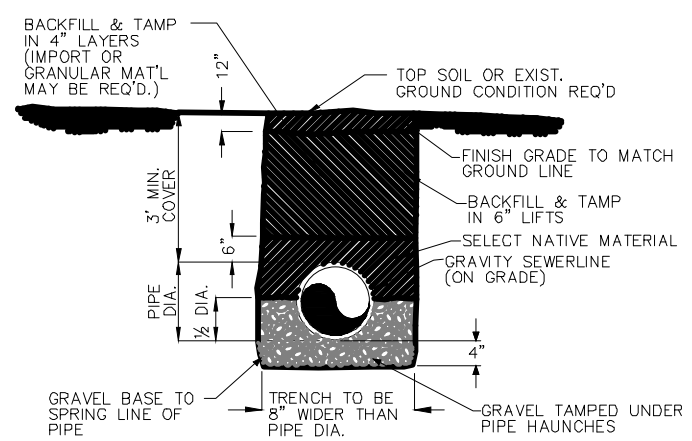
WATER LEGEND

DESCRIPTION	EXISTING	PROPOSED
WATER MAIN		
SINGLE SERVICE LATERAL		
DOUBLE SERVICE LATERAL		
VALVE AND BOX		
FIRE HYDRANT W/VALVE & BOX		
POST HYDRANT		
REDUCER		
BACKFLOW PREVENTOR		
CROSS		
TEE		
90° BEND - HORIZONTAL		
45° BEND - HORIZONTAL		
22 1/2° BEND - HORIZONTAL		
11 1/4° BEND - HORIZONTAL		
BEND - VERTICAL		
CAP		

SEWER LEGEND

DESCRIPTION	EXISTING	PROPOSED
8" DIA. 8' MANHOLE		
12" DIA. 8' MANHOLE		
18" DIA. 8' MANHOLE		
24" DIA. 8' MANHOLE		
30" DIA. 8' MANHOLE		
36" DIA. 8' MANHOLE		
42" DIA. 8' MANHOLE		
48" DIA. 8' MANHOLE		
54" DIA. 8' MANHOLE		
60" DIA. 8' MANHOLE		
66" DIA. 8' MANHOLE		
72" DIA. 8' MANHOLE		
78" DIA. 8' MANHOLE		
84" DIA. 8' MANHOLE		
90" DIA. 8' MANHOLE		
96" DIA. 8' MANHOLE		
102" DIA. 8' MANHOLE		
108" DIA. 8' MANHOLE		
114" DIA. 8' MANHOLE		
120" DIA. 8' MANHOLE		
126" DIA. 8' MANHOLE		
132" DIA. 8' MANHOLE		
138" DIA. 8' MANHOLE		
144" DIA. 8' MANHOLE		
150" DIA. 8' MANHOLE		
156" DIA. 8' MANHOLE		
162" DIA. 8' MANHOLE		
168" DIA. 8' MANHOLE		
174" DIA. 8' MANHOLE		
180" DIA. 8' MANHOLE		
186" DIA. 8' MANHOLE		
192" DIA. 8' MANHOLE		
198" DIA. 8' MANHOLE		
204" DIA. 8' MANHOLE		
210" DIA. 8' MANHOLE		
216" DIA. 8' MANHOLE		
222" DIA. 8' MANHOLE		
228" DIA. 8' MANHOLE		
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294" DIA. 8' MANHOLE		
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306" DIA. 8' MANHOLE		
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DRAWING NAME: V:\Projects\221314 - Seawinds Commercial\Sheet\DWG\221314 - WATER & SEWER DETAIL.DWG; 2024 - 8:33am; Thegates

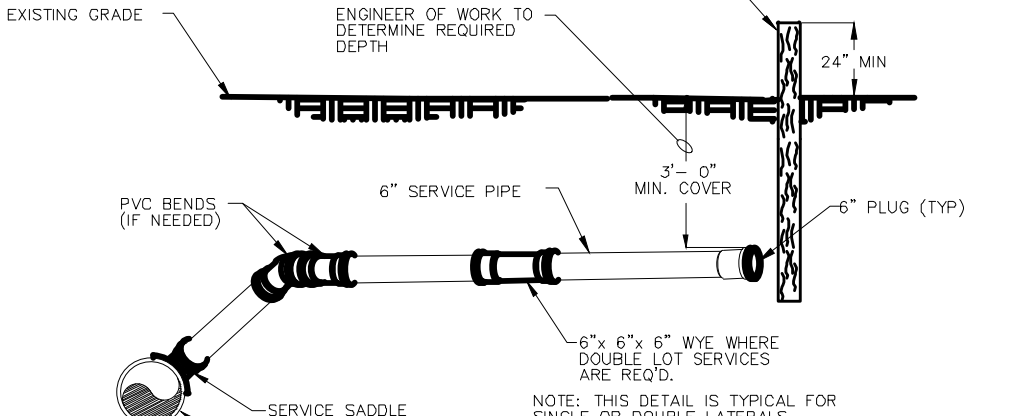


- NOTES FOR ALL TRENCH DETAILS**
- TRENCH SHALL BE BACKFILLED AND THOROUGHLY TAMPED WITH SUITABLE MATERIAL TO LEVEL OF STONE, STONE & PAVT TO BE PLACED BY CONTR WITH LEAST INTERFERENCE WITH TRAFFIC.
 - ALL CONSTRUCTION TO BE INSPECTED AND APPROVED BY LOCAL COUNTY OR STATE ROAD DEPT.
 - CONTRACTOR IS RESPONSIBLE FOR NOTIFICATION AND OBTAINING INSPECTION.
 - GRAVEL BASE SHALL BE 4" MIN. AND EXTEND UP TO SPRING LINE OF PIPE. GRAVEL SHALL NOT EXCEED 4" DIA.

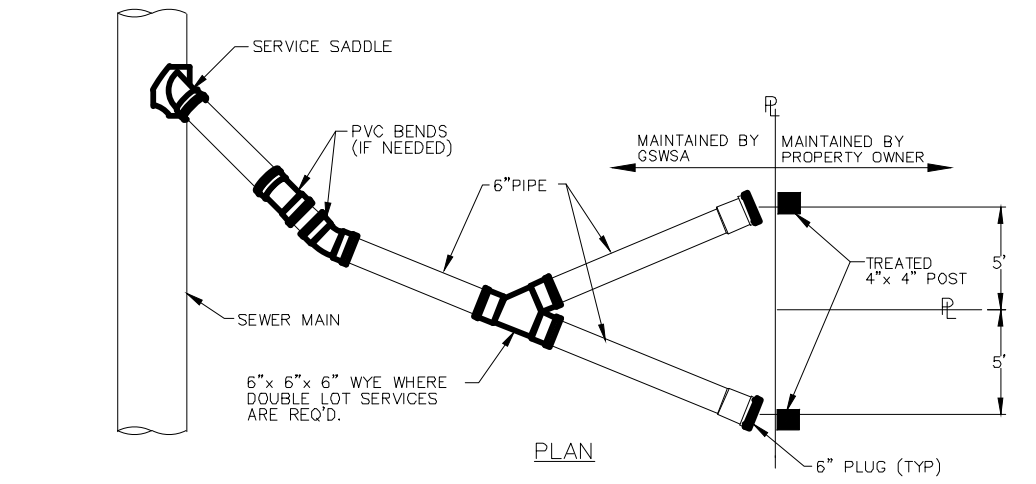
TYPICAL TRENCH SECTION IN NATIVE GROUND CONDITION FOR GRAVITY SEWERLINE
S10

LATEST REVISION: 08/28/06 DRT CORRECTED TO SHOW 4" OF GRAVEL FROM TRENCH BOTTOM TO BOTTOM OF PIPE.

TYPICAL TRENCH SECTION IN NATIVE GROUND CONDITION FOR GRAVITY SEWERLINE	
SEWER ONLY	UPDATED: 05/28/06
GRAND STRAND WATER & SEWER AUTHORITY	S10



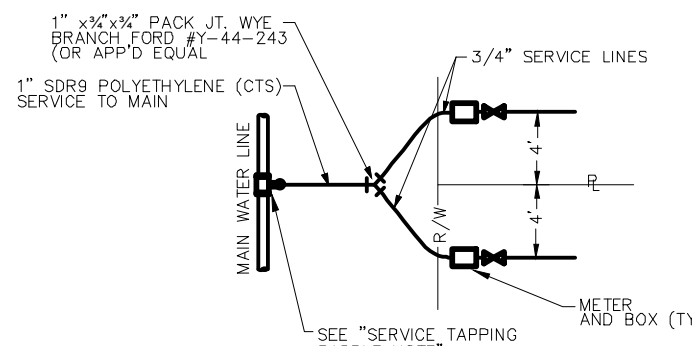
TYPICAL SEWER SERVICE CONNECTION
S8



TYPICAL SEWER SERVICE CONNECTION
S8

LATEST REVISION: 08/28/06 DRT ADDED THE WORD "GREEN" FOR 4" x 4" POST MARKER DESCRIPTION.

TYPICAL SEWER SERVICE CONNECTION	
SEWER ONLY	UPDATED: 08/28/06
GRAND STRAND WATER & SEWER AUTHORITY	S8



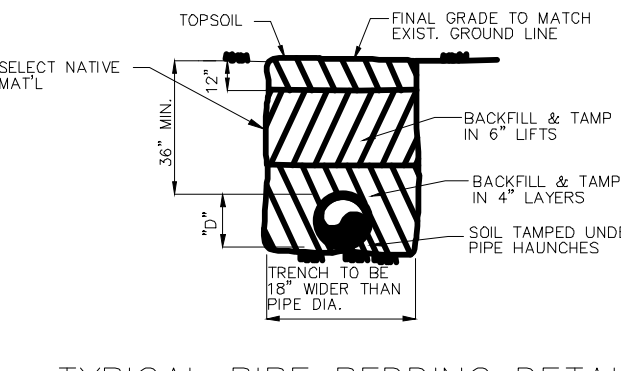
TYPICAL DOUBLE SERVICE CONNECTION
W3



TYPICAL SINGLE SERVICE CONNECTION
W3

LATEST REVISION: 06/19/09 DRT CHANGED TEE TO WYE, ADDED PACK JOINT REDUCER AND REVISED SIZES.

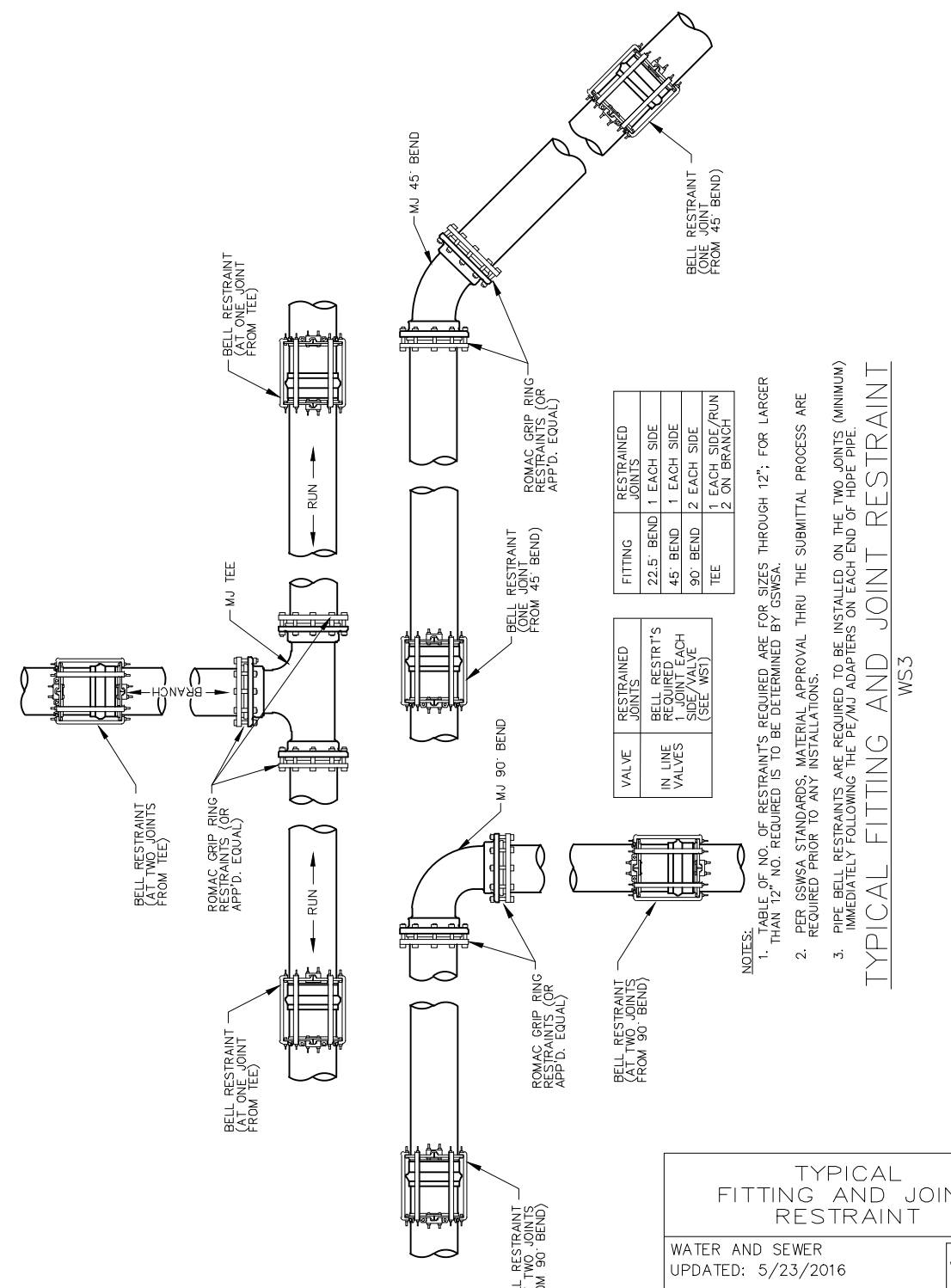
TYPICAL WATER SERVICE DETAIL FOR FUTURE CUSTOMER CONNECTIONS (FOR GSWA RURAL & CAPITAL PROJECTS ONLY)	
WATER ONLY	UPDATED: 06/19/09
GRAND STRAND WATER & SEWER AUTHORITY	W3



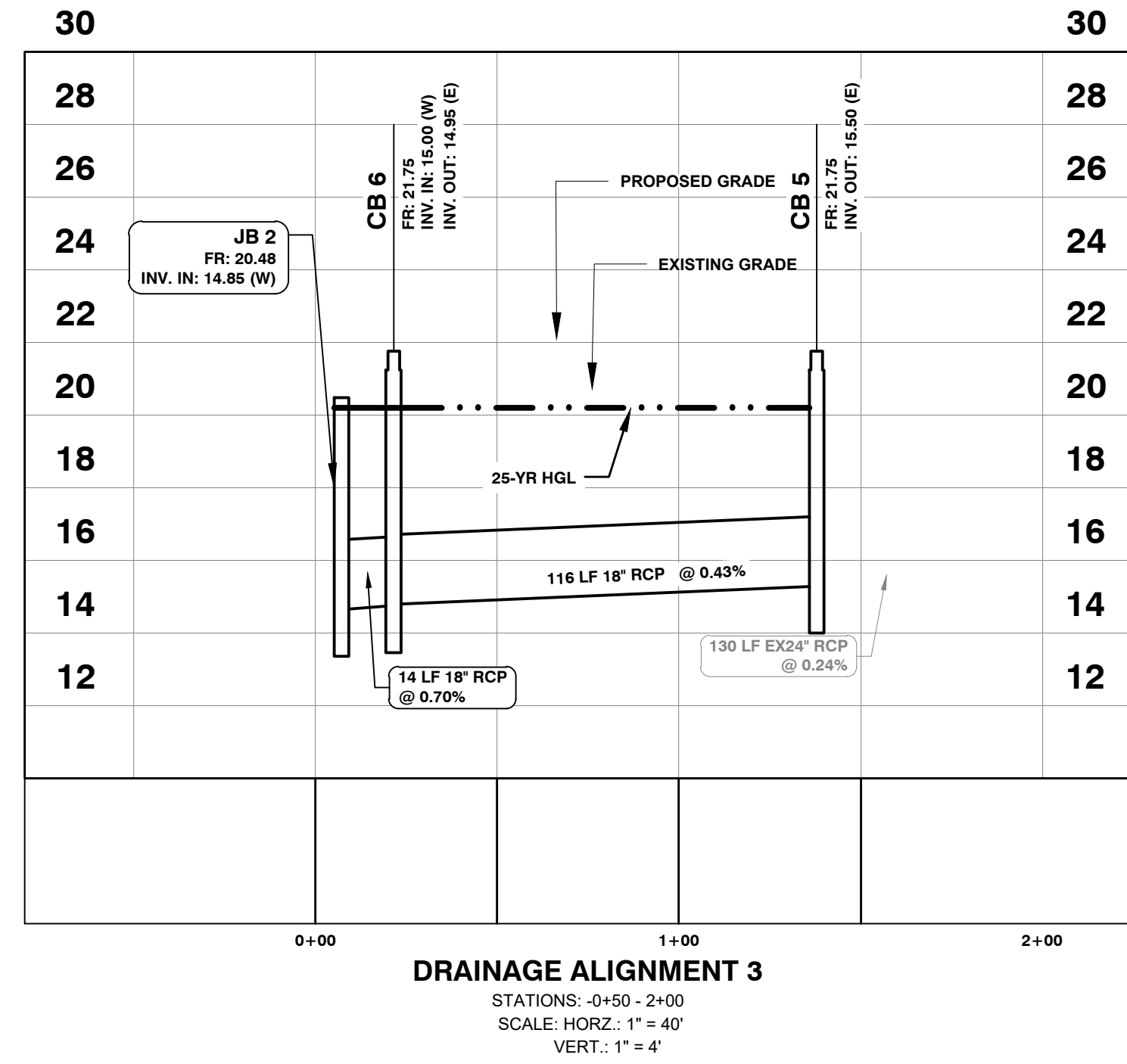
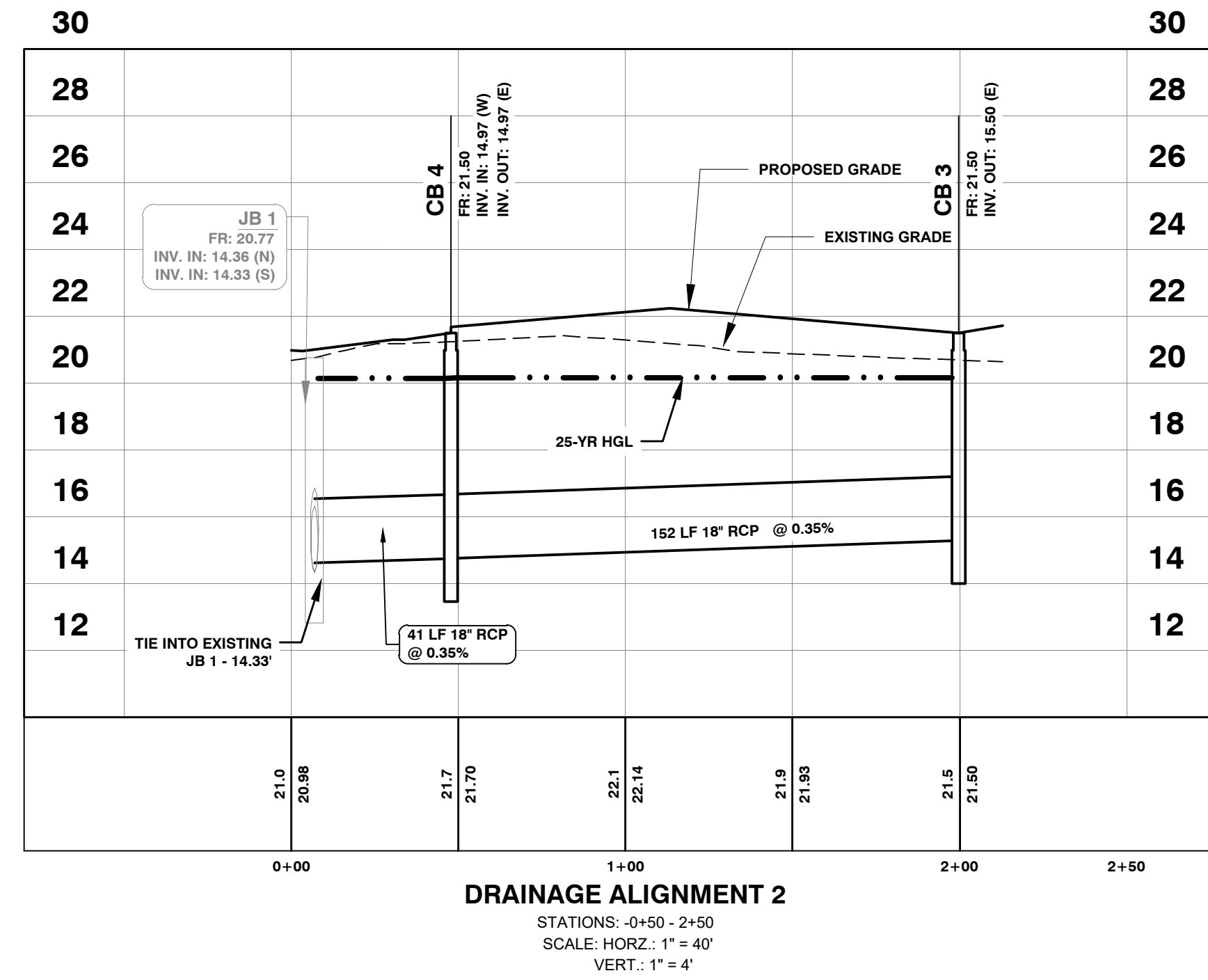
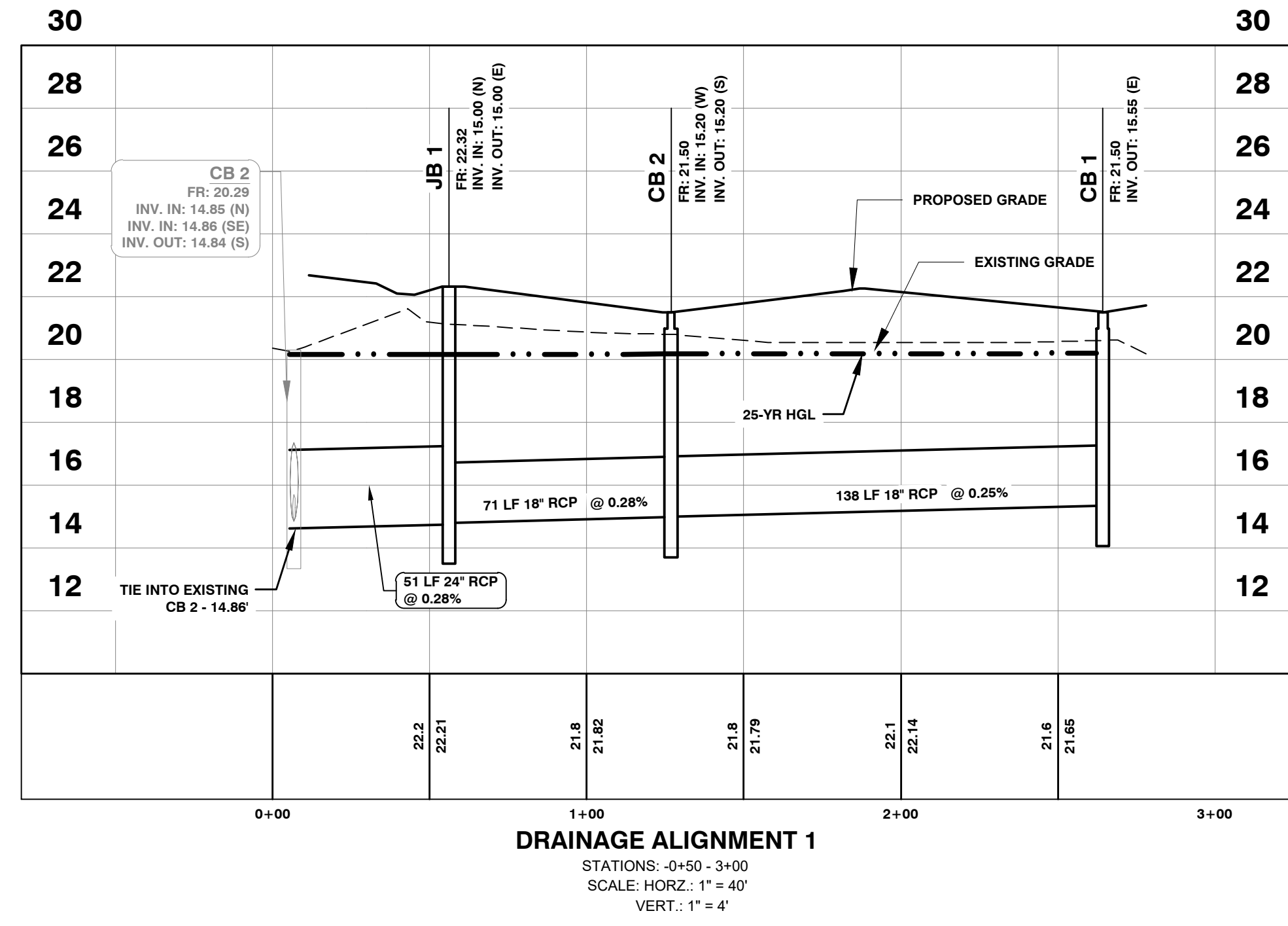
TYPICAL PIPE BEDDING DETAIL
WS11

LATEST REVISION: 12/26/97

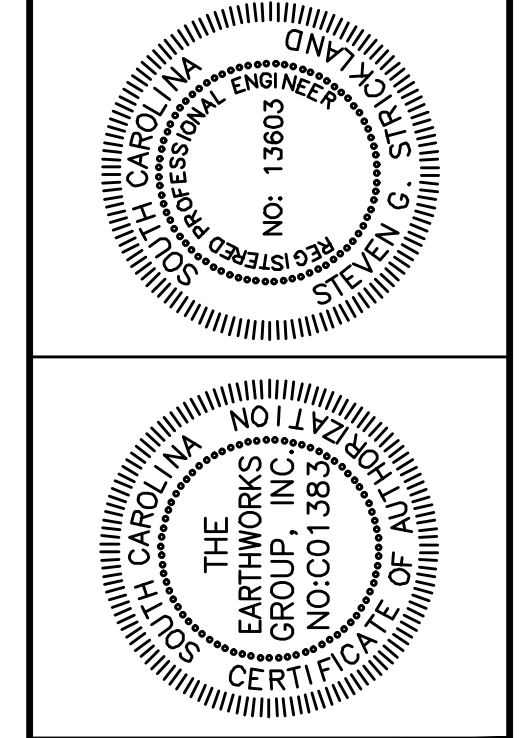
TYPICAL PIPE BEDDING DETAIL	
WATER OR SEWER	UPDATED: 12/26/97
GRAND STRAND WATER & SEWER AUTHORITY	WS11



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REVISION SCHEDULE			
NO.	DATE	DESCRIPTION	BY
1	05/02/24	ADDRESSED HC COMMENTS DATED: 04/03/24	RLH
2	08/20/2024	ADDRESSED HC COMMENTS DATED: 06/13/24	MHD
3	08/29/24	ADDRESSED HC COMMENTS DATED: 08/26/24	RLH

SEAWINDS COMMERCIAL	
DRAINAGE PROFILES	
PREPARED FOR: SALEH AT SEAWINDS, LLC	
MYRTLE BEACH, SC	
PROJECT: 221314	CHECKED BY: MHD
DATE: 7/24/2023	DRAWN BY: S.J.Z
SCALE:	DESIGNED BY: S.J.Z

SHEET
C3.1

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REFERENCES
 MATERIAL SPECIFICATIONS
 SCDOT
 PRECONSTRUCTION SUPPORT ENGINEER
 SOUTH CAROLINA PROFESSIONAL ENGINEER
 EMMETT SYLVESTER FARRIS, III
 NO. 8858
 MARCH 3, 2008

PRECAST ITEMS

ITEM	DESCRIPTION
1	CB 9" BOTTOM SLAB (PC OR CIP) 152"x152"x10"
2	CB 9" TOP SLAB WITH THROAT LEGS 152"x152"x10"
3	CB 9" MI. PC TOP SLAB WITH THROAT LEGS 152"x152"x10"
4	CB 9" MI. PC TOP SLAB WITHOUT THROAT LEGS 152"x152"x10"
5	CB 9" MI. PC TOP SLAB WITHOUT THROAT LEGS 152"x152"x10"
6	CB 9" MI. PC TOP SLAB WITH THROAT LEGS 152"x152"x10"
7	CB 9" MI. PC TOP SLAB WITHOUT THROAT LEGS 152"x152"x10"
8	CB 9" MI. PC TOP SLAB WITH THROAT LEGS 152"x152"x10"
9	CB 9" MI. PC TOP SLAB WITHOUT THROAT LEGS 152"x152"x10"

TABLE 719-009A
 STANDARD DUTY PAVEMENT DETAILS

DESCRIPTION	MIN. THICKNESS	MIN. COMPACTED SUBGRADE
1	1.5" MIN. SCDDOT TYPE 1 ASPHALT (MIN. COMPACTION 98%)	12" COMPACTED & CLEANED SUBGRADE
2	6" MIN. COMPACTED STABILIZED AGGREGATE BASE COURSE (S.A.B.C.) FROM SCDDOT APPROVED PIT, COMPACTED TO 98% OF THE SOILS MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D 1557-91)	12" COMPACTED & CLEANED SUBGRADE

REFERENCES
 MATERIAL SPECIFICATIONS
 SCDOT
 PRECONSTRUCTION SUPPORT ENGINEER
 SOUTH CAROLINA PROFESSIONAL ENGINEER
 EMMETT SYLVESTER FARRIS, III
 NO. 8858
 MARCH 3, 2008

SECTION A-A
 8" UNIFORM HMA SURFACE COURSE OR CONCRETE FOR DITCH PAVING (EXTEND IF REQUIRED FOR PAVED DITCH INSTALLATION)

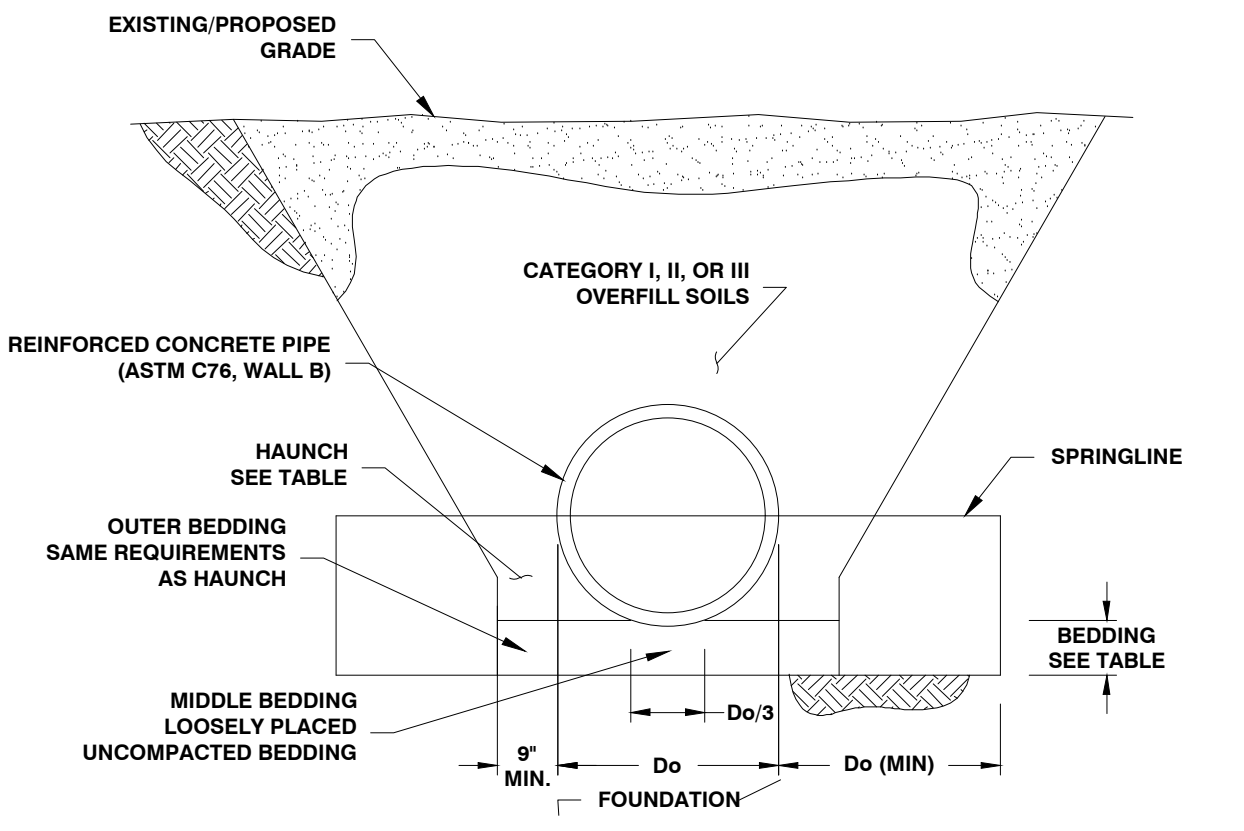
SECTION B-B
 8" UNIFORM HMA SURFACE COURSE OR CONCRETE FOR DITCH PAVING (EXTEND IF REQUIRED FOR PAVED DITCH INSTALLATION)

SECTION C-C
 8" UNIFORM HMA SURFACE COURSE OR CONCRETE FOR DITCH PAVING (EXTEND IF REQUIRED FOR PAVED DITCH INSTALLATION)

SECTION D-D
 8" UNIFORM HMA SURFACE COURSE OR CONCRETE FOR DITCH PAVING (EXTEND IF REQUIRED FOR PAVED DITCH INSTALLATION)

SECTION E-E
 8" UNIFORM HMA SURFACE COURSE OR CONCRETE FOR DITCH PAVING (EXTEND IF REQUIRED FOR PAVED DITCH INSTALLATION)

SECTION F-F
 8" UNIFORM HMA SURFACE COURSE OR CONCRETE FOR DITCH PAVING (EXTEND IF REQUIRED FOR PAVED DITCH INSTALLATION)

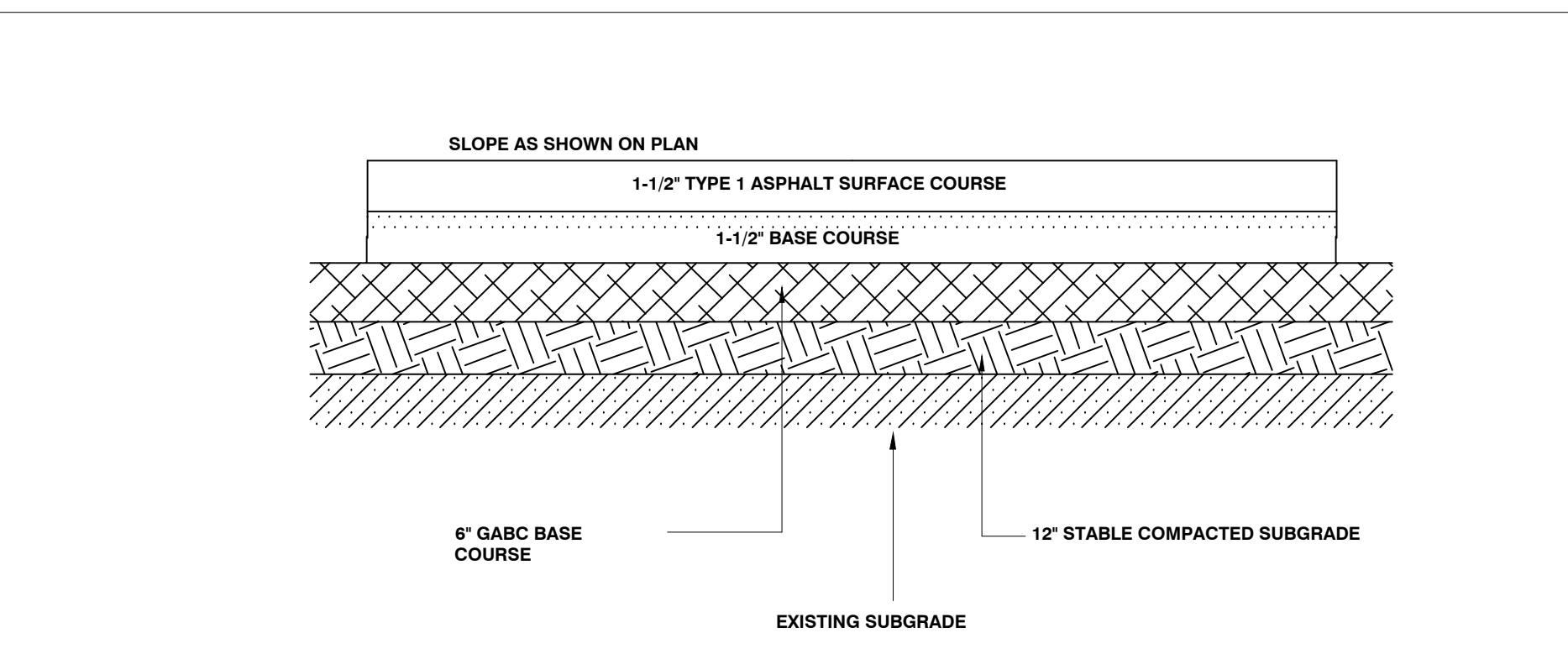
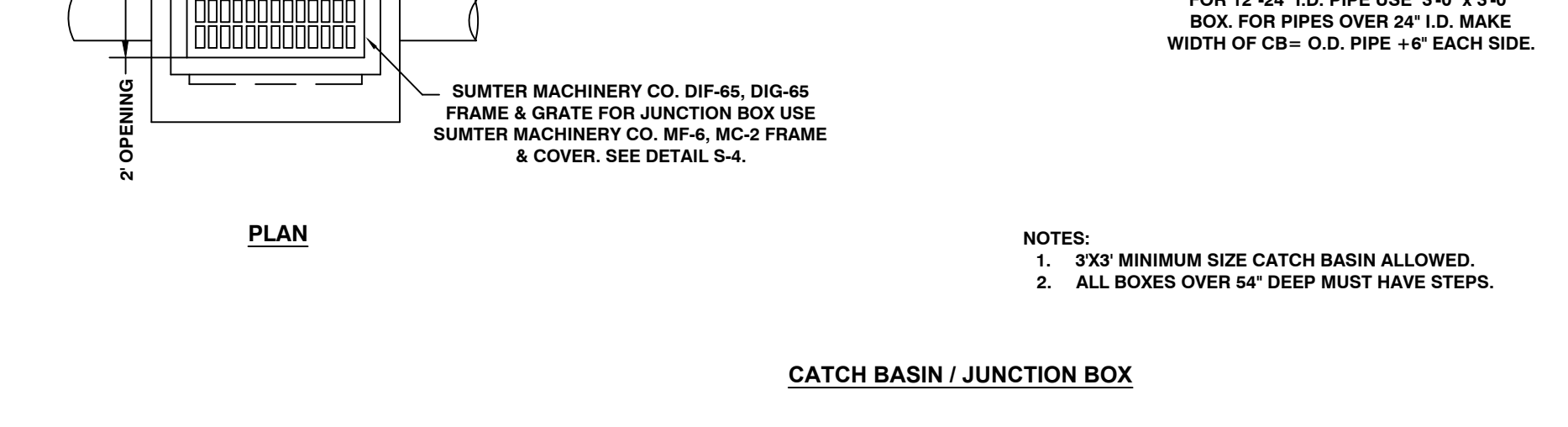
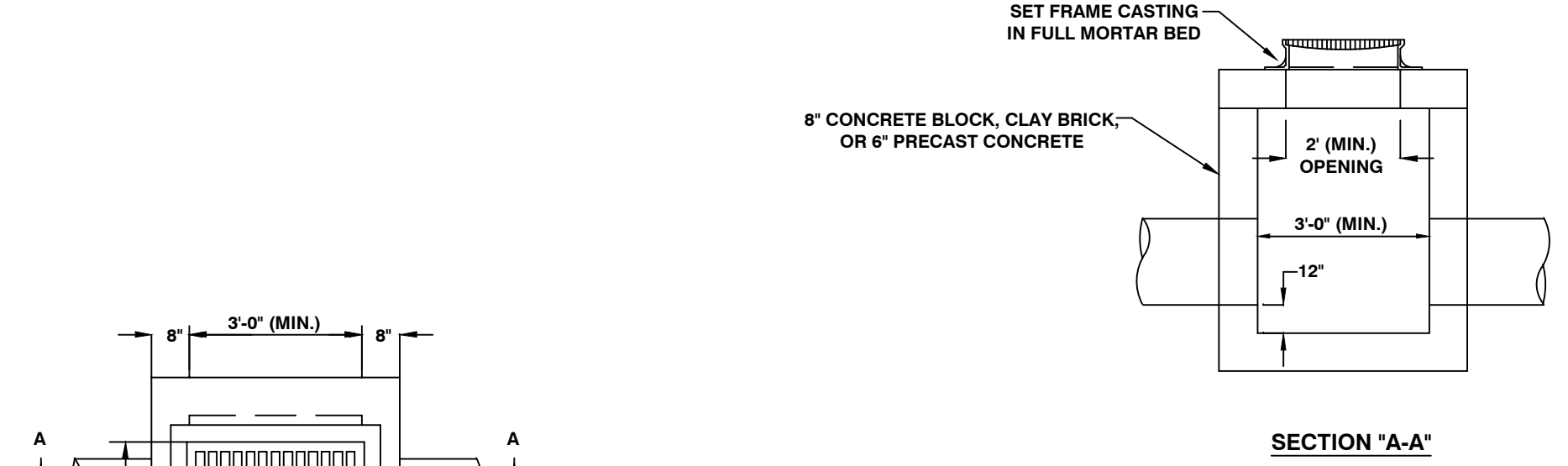
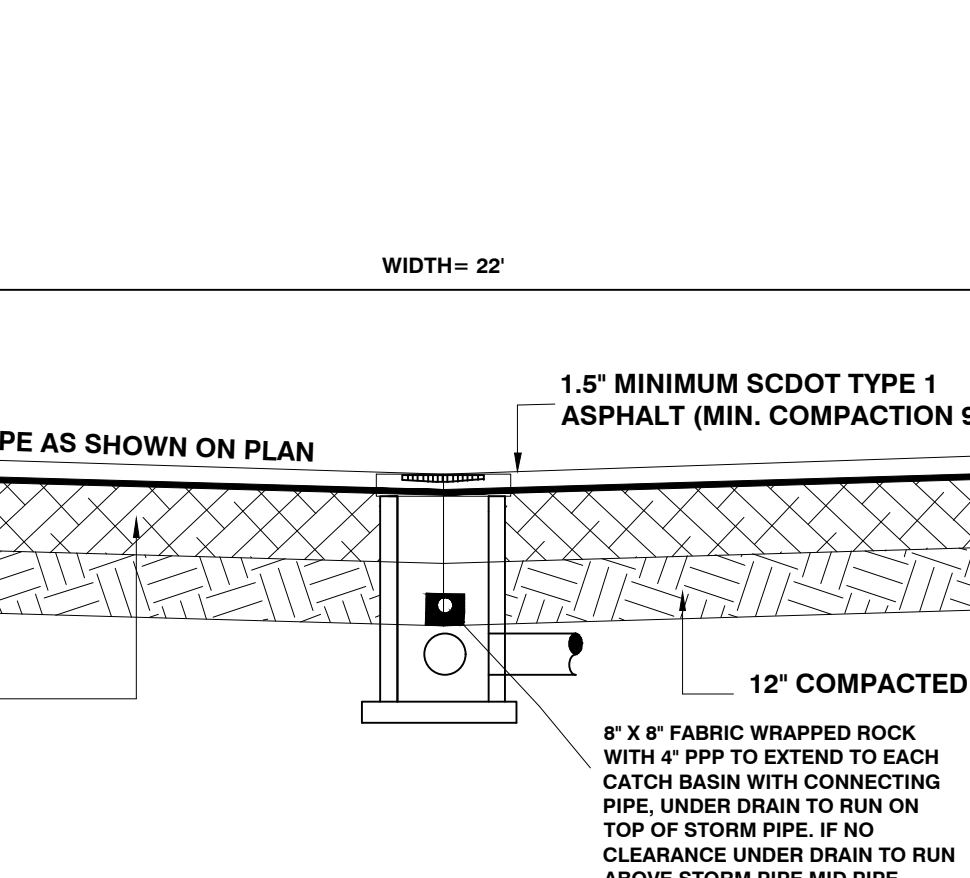
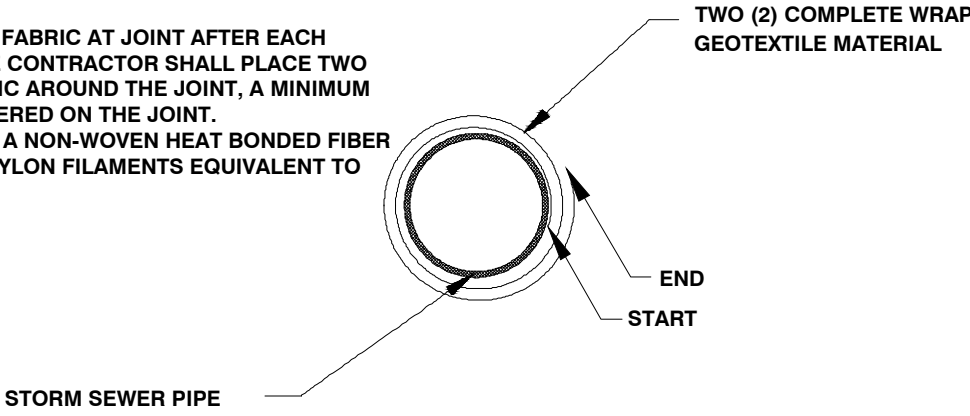
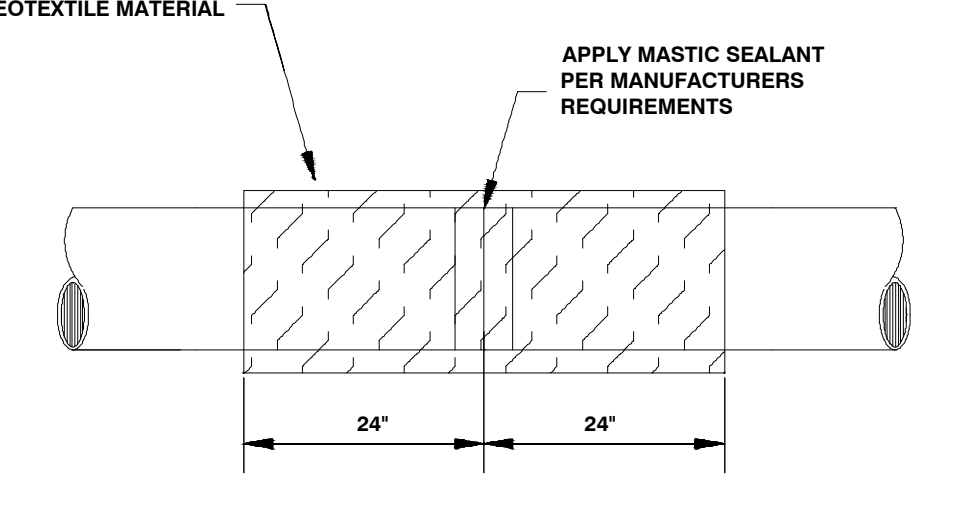


INSTALLATION TYPE	BEDDING THICKNESS	HAUNCH AND OUTER BEDDING	LOWER SIDE
TYPE 1	Do/24 MIN. NOT LESS THAN 3". IF ROCK FDN, USE Do/12 MIN. NOT LESS THAN 6".	95% CATEGORY I	90% CATEGORY I, 95% CATEGORY II, OR 100% CATEGORY III
TYPE 2	Do/24 MIN. NOT LESS THAN 3". IF ROCK FDN, USE Do/12 MIN. NOT LESS THAN 6".	95% CATEGORY I, OR 90% CATEGORY II	85% CATEGORY I, 90% CATEGORY II, OR 95% CATEGORY III
TYPE 3	Do/24 MIN. NOT LESS THAN 3". IF ROCK FDN, USE Do/12 MIN. NOT LESS THAN 6".	85% CATEGORY I, 90% CATEGORY II, OR 95% CATEGORY III	80% CATEGORY I, 85% CATEGORY II, OR 90% CATEGORY III
TYPE 4	THIS TYPE OF INSTALLATION IS NOT ALLOWED		

EQUIVALENT SOIL CLASSIFICATIONS

SIDD	USCS	AASHTO
GRAVELLY SAND (CATEGORY I)	SW, SP, GW, GP	A1, A3
SANDY SILT (CATEGORY II)	GM, SM, ML, ALSO, GC, SC W/ LESS THAN 20% PASSING #200 SIEVE	A2, A4
SILTY CLAY (CATEGORY III)	CL, MH, GC, SC CH	A5, A6

- NOTES:**
- INSTALLATION GENERALLY COMPLIES WITH STANDARD INSTALLATIONS DIRECT DESIGN (SIDD) AS DEVELOPED BY THE AMERICAN CONCRETE PIPE ASSOCIATION (ACPA).
 - TYPE 1 INSTALLATION WILL BE UTILIZED UNDER ALL ROADWAYS AND BUILDINGS. TYPE 2 INSTALLATION WILL BE UTILIZED OUTSIDE OF ROADWAYS AND BUILDINGS IN AREAS WHERE SETTLEMENT IS AN ISSUE. TYPE 3 INSTALLATION WILL BE UTILIZED IN LOCATIONS WHERE SETTLEMENT IS NOT AN ISSUE. TYPE 4 INSTALLATION IS NOT ALLOWED.
 - COMPACTION AND SOILS SYMBOLS - I.E. - 95% CATEGORY I - REFERS TO CATEGORY I SOIL MATERIAL WITH MINIMUM STANDARD PROCTOR COMPACTION OF 95%.
 - THE TRENCH TOP ELEVATION SHALL BE NO LOWER THAN 0.1' BELOW FINISHED GRADE OR, FOR ROADWAYS, ITS TOP SHALL BE NO LOWER THAN 1' BELOW THE BOTTOM OF THE BASE MATERIAL.
 - SOIL IN BEDDING AND HAUNCH ZONES SHALL BE COMPACTED TO AT LEAST THE SAME COMPACTION AS SPECIFIED FOR THE MAJORITY OF SOIL IN THE BACKFILL ZONE.
 - THE TRENCH WIDTH SHALL BE WIDER THAN SHOWN IF REQUIRED FOR ADEQUATE SPACE TO ATTAIN THE SPECIFIED COMPACTION IN THE HAUNCH AND BEDDING ZONES.
 - FOR TRENCH WALLS THAT ARE WITHIN 10 DEGREES OF VERTICAL, THE COMPACTION OR FIRMNESS OF THE SOIL IN THE TRENCH WALLS AND LOWER SIDE ZONE NEED NOT BE CONSIDERED.
 - FOR TRENCH WALLS WITH GREATER THAN 10 DEGREE SLOPES THAT CONSIST OF EMBANKMENT, THE LOWER SIDE SHALL BE COMPACTED TO AT LEAST THE SAME COMPACTION AS SPECIFIED FOR THE SOIL IN THE BACKFILL ZONE.



- NOTES:**
- BASE COMPACTED TO 100% MODIFIED PROCTOR DENSITY. SUBGRADE COMPACTED TO 95% MODIFIED PROCTOR DENSITY. ALL FILL TO BE PLACED IN 6" LIFTS AND COMPACTED. MIN. 18" FOR COMPACTED SUBGRADE.
 - CONTRACTOR TO PROVIDE ASPHALT CORES, GRADATION AND DENSITY.
 - THERE MUST BE AN APPROVED S/G AND CURBLINE PROOF ROLL PRIOR TO LAYING CURB AND GUTTER.
 - UNDERDRAINS ARE TO BE INSTALLED UNDER ALL CURB AND GUTTER AND EXTENDED FROM BOX TO BOX.
 - THE ABOVE THICKNESSES ARE MINIMUM REQUIRED FOR GOOD SOIL CONDITIONS. A GEOTECHNICAL ENGINEER MUST DESIGN AND STAMP THE ROADWAY CROSS-SECTION AS STATED IN APPENDIX G OF THE Horry COUNTY LAND DEVELOPMENT REGULATIONS.
 - ALL CLEARING AND GRUBBING IS TO MEET SCDOT SPECIFICATIONS.
 - A MINIMUM OF 6" OF GABC IS TO BE INSTALLED BELOW CURB.

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 NO. 13603
 SOUTH CAROLINA PROFESSIONAL ENGINEER
 EMMETT SYLVESTER FARRIS, III
 NO. C01363

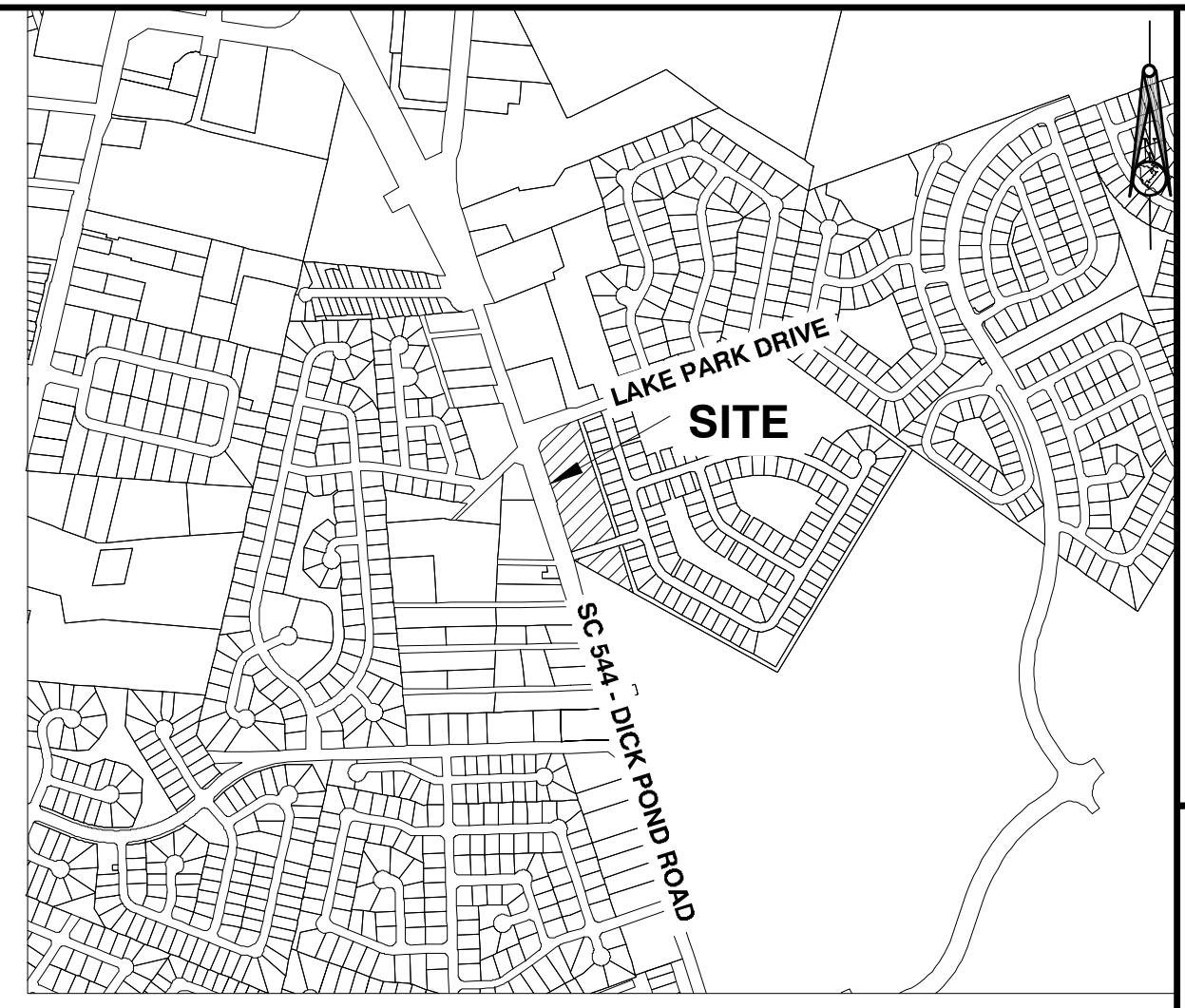
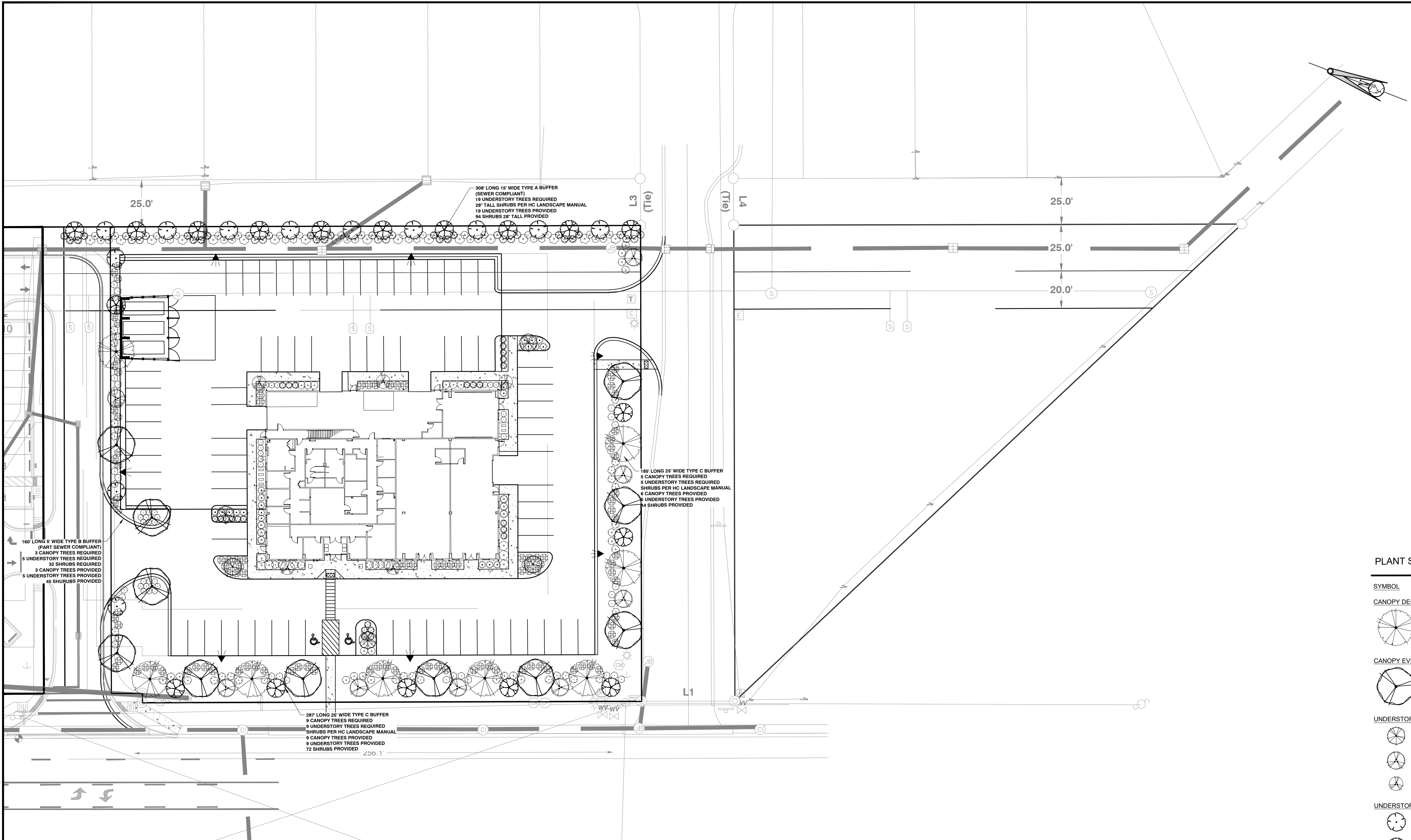
SEAWINDS COMMERCIAL
DRAINAGE DETAILS
 PREPARED FOR: **SALEH AT SEAWINDS, LLC**
 MYRTLE BEACH, SC

PROJECT: 221514-SEAWINDS COMMERCIAL
 DATE: 7/24/2023
 SCALE:
 DESIGNED BY: SJZ
 DRAWN BY: SJZ
 CHECKED BY: MHD

SHEET
C3.2

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VICINITY MAP

OWNER/ DEVELOPER NOTES:
 DEVELOPER: SALEH AT SEAWINDS, LLC
 166 TILLER DRIVE
 PAWLEY'S ISLAND, SC 29585

OWNER: SALEH AT SEAWINDS LLC
 166 TILLER DRIVE
 PAWLEY'S ISLAND, SC 29585
 PIN #44803020086

GENERAL NOTES:
 THIS PROPERTY IS KNOWN AS SEAWINDS COMMERCIAL
 PIN #44803020086

THIS PROPERTY IS LOCATED IN FLOOD ZONE X ACCORDING TO F.I.R.M. # 45051C0711K, DATED: 12/16/2021

LAST PROPERTY TRANSFER: 12/28/2022
 WETLAND LETTER: N/A

PLANT SCHEDULE

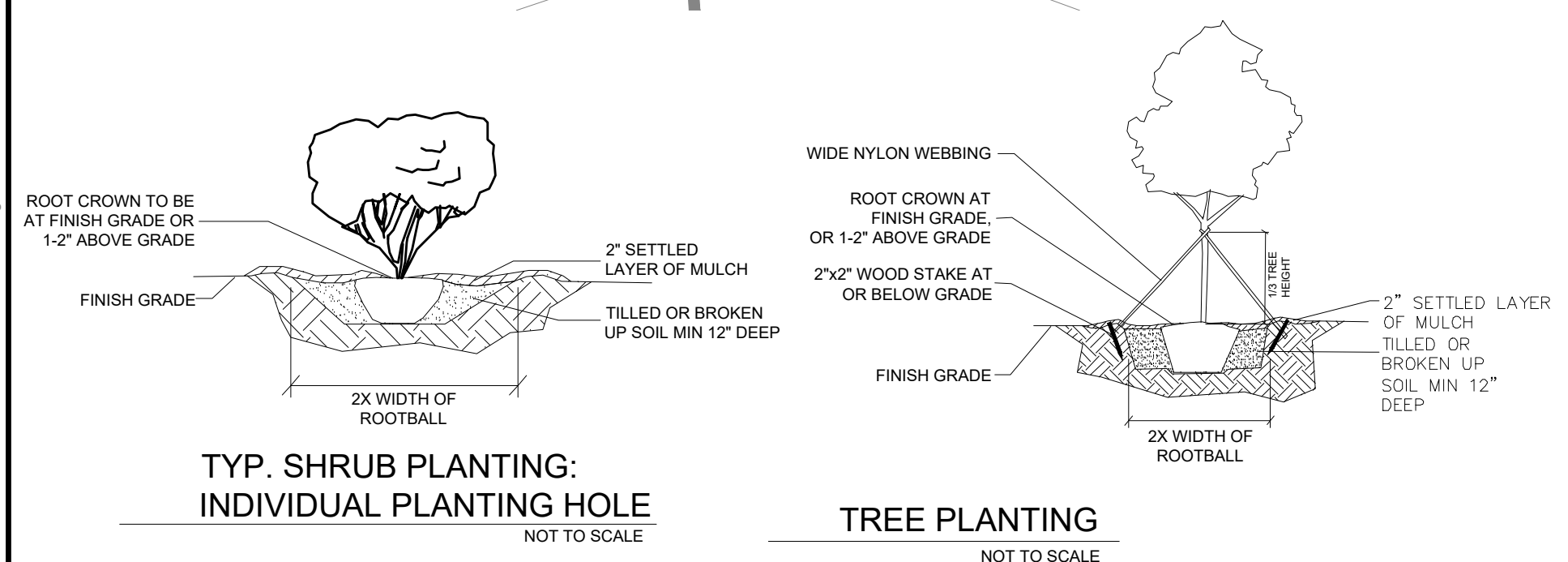
SYMBOL	CODE	BOTANICAL / COMMON NAME	QTY
CANOPY DECIDUOUS			
	BET RIV	Betula nigra / River Birch	8
CANOPY EVERGREEN			
	QUE LAU	Quercus laurifolia / Laurel-leaved Oak	11
UNDERSTORY DECIDUOUS			
	COOR FLO	Cornus florida / Flowering Dogwood	5
	LAG IND	Lagerstroemia indica / Crape Myrtle	8
	LAG T32	Lagerstroemia indica x fauriei 'Tonto' / Tonto Crape Myrtle	5
UNDERSTORY EVERGREEN			
	MAG LIT	Magnolia grandiflora 'Little Gem' / Little Gem Dwarf Southern Magnolia	12
	MYR CER	Myrica cerifera / Wax Myrtle	18
SHRUBS 4'-6' DECIDUOUS			
	CHA SPE	Chaenomeles speciosa / Flowering Quince	32
	ROS 361	Rosa x 'Radtko' TM / Double Knock Out Red Rose	22
	SYM ORB	Symphoricarpos orbiculatus / Coralberry	20
SHRUBS 4'-6' EVERGREEN			
	ABE GRA	Abelia x grandiflora / Glossy Abelia	33
	CAM AWH	Camellia sinensis 'Yellow Leaf' / Yellow Leaf Tea	20
	GAR JAS	Gardenia jasminoides / Gardenia	48
	HYP FRO	Hypericum frondosum 'Sunburst' / Golden St. John's Wort	26
	JAS FLO	Jasminum floridum / Flowering Jasmine	25
	RAP UMB	Raphiolepis umbellata 'Indian Princess' / Yedda Hawthorn	30
	RHO EE2	Rhododendron x 'Roblezz' TM / Autumn Carnation Encore Azalea	39
	RHO UOZ	Rhododendron x 'Roblezz' TM / Autumn Majesty Encore Azalea	31
	RHO XOE	Rhododendron x 'Roblezz' TM / Autumn Starburst Encore Azalea	43
SHRUBS 6'-12' EVERGREEN			
	NER OLE	Nerium oleander / Oleander	24

LANDSCAPE MINIMUM SIZES AT TIME OF PLANTING:

CANOPY TREE: MINIMUM TEN (10) FEET IN HEIGHT WITH TWO (2) INCHES IN CALIPER AND MUST REACH A MATURE HEIGHT OF AT LEAST THIRTY (30) FEET.

UNDERSTORY TREE: MINIMUM FIVE (5) FEET IN HEIGHT AND MUST REACH A MATURE HEIGHT BETWEEN TEN (10) AND THIRTY (30) FEET.

SHRUB: TYPE A BUFFERS MINIMUM TWENTY-EIGHT (28) INCHES TALL. ALL OTHERS MINIMUM FIFTEEN (15) INCHES IN HEIGHT AND MUST REACH A MATURE HEIGHT OF AT LEAST THREE (3) FEET.



TYP. SHRUB PLANTING: INDIVIDUAL PLANTING HOLE

TREE PLANTING

- NOTES: TYPICAL SHRUB PLANTING, INDIVIDUAL PLANTING HOLE
- DIG PLANTING HOLE AT LEAST 2X THE WIDTH OF THE ROOT BALL, OR CONTAINER.
 - DIG THE PLANTING HOLE A MINIMUM OF 2X WIDTH OF ROOTBALL FOR AT LEAST THE FIRST 12 INCHES OF DEPTH. BELOW 12 INCHES, DIG HOLE WIDE ENOUGH TO PERMIT ADJUSTING. DO NOT DIG THE HOLE DEEPER THAN ROOT BALL DEPTH.
 - SCARIFY THE SUBGRADE AND SIDES OF THE PLANTING HOLE WHEN PLANTING IN CLAY SOIL.
 - SET THE TOP OF THE ROOT BALL LEVEL WITH THE SOIL SURFACE, OR 1-2" ABOVE IF THE SOIL IS PRONE TO SETTLING.
 - IF CONTAINER GROWN PLANT, GENTLY SLIDE PLANT OUT OF CONTAINER. DISTURB THE ROOTS.
 - IF B&B PLANT, REMOVE BURLAP FROM AT LEAST THE TOP 12 INCHES OF THE ROOTBALL, WITHOUT DISTURBING THE ROOTBALL. REMOVE ALL CORD FROM THE TRUNK. REMOVE BURLAP AND WIRE BASKET (IF PRESENT) FROM THE ROOT BALL.
 - BACK FILL THE PLANTING HOLE WITH EXCAVATED NATIVE SOIL, BROKEN UP OR TILLED. WATER TO REMOVE AIR POCKETS. DO NOT ADD AMENDMENTS.
 - PLACE PINE STRAW OR BARK MULCH ON THE SURFACE TO A (SETTLED) DEPTH OF 1 TO 3 INCHES.

- NOTES: TREE PLANTING
- ALL PLANT MATERIALS SHALL BE IN ACCORDANCE WITH THE AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60.1-2004). PLANT ACCORDING TO ANSI A300 PART 6.
 - DIG THE PLANTING HOLE A MINIMUM OF 2X WIDTH OF ROOTBALL FOR AT LEAST THE FIRST 12 INCHES OF DEPTH. BELOW 12 INCHES, DIG HOLE WIDE ENOUGH TO PERMIT ADJUSTING. DO NOT DIG THE HOLE DEEPER THAN ROOT BALL DEPTH.
 - SCARIFY THE SUBGRADE AND SIDES OF THE PLANTING HOLE WHEN PLANTING IN CLAY SOILS (MORE THAN 15% CLAY).
 - LIFT AND SET THE TREE BY ROOT BALL ONLY. DO NOT LIFT USING THE TREE TRUNK AND DO NOT USE TREE TRUNK AS A LEVER.
 - SET THE TOP OF THE ROOT BALL LEVEL WITH THE SOIL SURFACE OR SLIGHTLY HIGHER IF THE SOIL IS PRONE TO SETTLING.
 - AFTER THE TREE IS SET IN PLACE, REMOVE BURLAP, WIRE AND STRAPS FROM AT LEAST THE UPPER 1/3 OF THE ROOTBALL.
 - BACKFILL WITH EXISTING SOIL THAT HAS BEEN WELL-TILLED OR BROKEN UP. DO NOT ADD AMENDMENTS TO THE BACKFILL SOIL. AMEND THE SURFACE WITH MULCH.
 - USE THREE 2" X 2" WOOD STAKES DRIVEN INTO UNDISTURBED SOIL, A MINIMUM OF 16 INCHES. SPACE STAKES EQUALLY AROUND THE TREE.
 - ATTACH 3/4" NYLON WEBBING TO CONNECT THE TREE TO STAKES. ATTACH WEBBING AT 1/3 THE TREE HEIGHT.
 - APPLY 2-3" (SETTLED) DEPTH OF PINE STRAW OR BARK MULCH TO THE PLANTING SURFACE. LEAVE A 2" SPACE AROUND THE TRUNK FOR AIR CIRCULATION.
 - PRUNING SHALL BE LIMITED TO DEAD, DISEASED, OR BROKEN LIMBS ONLY AND SHALL BE IN ACCORDANCE WITH ANSI A300 SPECIFICATIONS.
 - REMOVE ANY TRUNK WRAP REMAINING AT TIME OF PLANTING. NO WRAPS SHALL BE PLACED ON TRUNK.

LANDSCAPE NOTES:

NO EXISTING PROTECTED TREES FOUND ON SITE.

LANDSCAPING IS TO BE PROVIDED AS SHOWN PRIOR TO COMPLETION OF BUILDINGS.

THIS LANDSCAPE PLAN HAS BEEN REVIEWED AND APPROVED BY THE OWNER/RESPONSIBLE AGENT WHO UNDERSTANDS THAT ANY CHANGES, SUBSTITUTIONS, OR DELETIONS MAY REQUIRE REVIEW AND APPROVAL BY THE RESPONSIBLE REVIEWING AUTHORITY.

3 INCHES OF HARDWOOD MULCH SHALL BE APPLIED OVER ALL PLANT BEDS.

ALL LANDSCAPE PLANTINGS SHALL BE IRRIGATED WITH AN AUTOMATIC IRRIGATION SYSTEM, OR BE WITHIN 100 FEET OF A WATER HOSE BIB.

LANDSCAPE PLANT SPECIES MAY NOT BE CHANGED WITHOUT APPROVAL OF HORRY COUNTY PLANNING.

ONE YEAR WARRANTY ON ALL PLANTS BY CONTRACTOR.

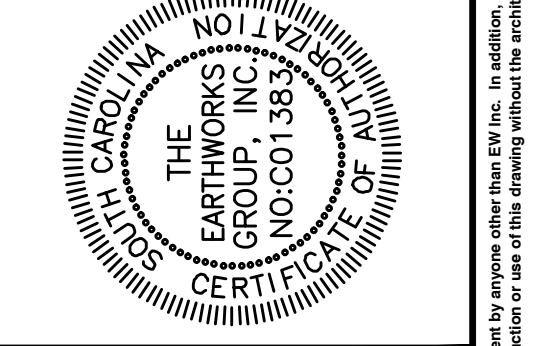
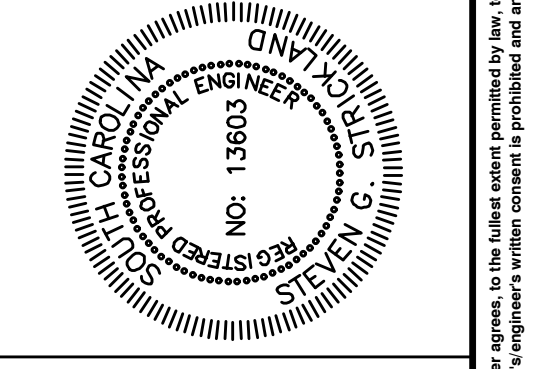
ADDITIONAL NOTES:

NO PROTECTED TREES WILL BE REMOVED FROM SITE PER SECTION 527.

ALL SIGNAGE WILL REQUIRE SEPARATE REVIEW AND PERMITTING WITH HORRY COUNTY PLANNING/ZONING.

NO LIVE OAKS 24" OR GREATER WILL BE REMOVED, DAMAGED, OR DESTROYED WITHOUT A VARIANCE FROM THE ZONING BOARD OF APPEALS.

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SEAWINDS COMMERCIAL
 LANDSCAPE PLAN
 PREPARED FOR: SALEH AT SEAWINDS, LLC
 MYRTLE BEACH, SC

PROJECT: 221914
 DATE: 7/24/2023
 SCALE: 1"=30'
 DESIGNED BY: DP
 DRAWN BY: DP
 CHECKED BY: MHD

SHEET
L1.0

DRAWING NAME: V:\Projects\221914 - Seawinds Commercial\221914 - Landscape Plan\04 - 2024 - 9/24/24.dwg

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