

FANTASY HARBOUR BUS FACILITY

FOR

HORRY COUNTY SCHOOLS

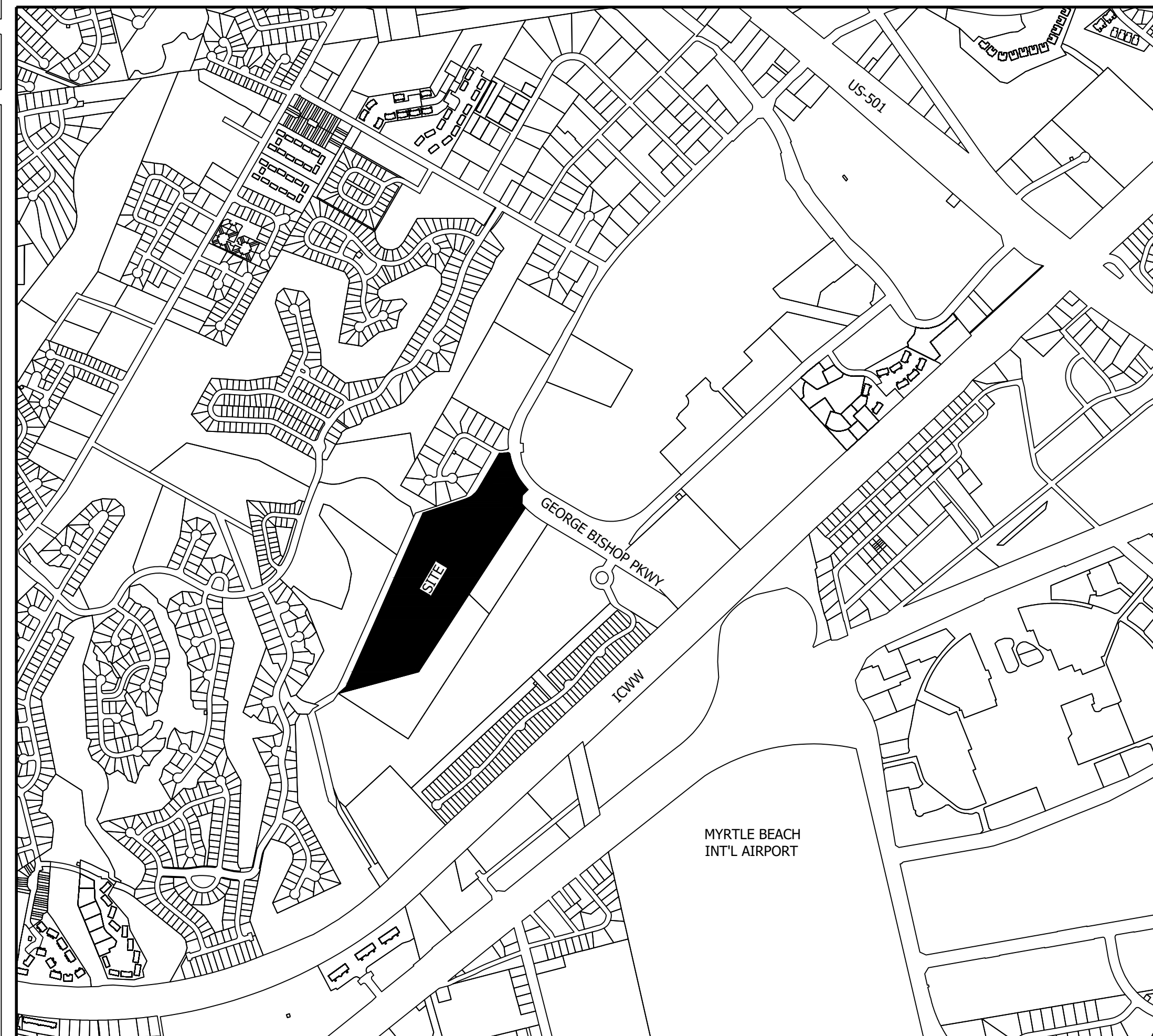
PROJECT SUMMARY

HORIZONTAL DATUM : NAD 83
VERTICAL DATUM : NAVD 88
BENCHMARK : 1/2" IRON PIPE FOUND (SEE SHEET C3.0 & C3.1)
NPDES PERMIT : XX
SCDHEC WATER PERMIT : N/A
SCDHEC SEWER PERMIT : N/A

PARCEL PIN #'(S) :	426-00-00-0012
CURRENT ZONING :	HC
PROPOSED LAND USE :	BUS LOT
TOTAL PROJECT AREA =	38.10 ACRES
LAND DISTURBANCE AREA =	35.60 ACRES
IMPERVIOUS AREAS =	12.00 ACRES (34%)
CONCRETE OR HEAVY DUTY ASPHALT =	10.34 ACRES
ASPHALT LOT/DRIVE =	1.66 ACRES
PERVIOUS AREAS =	23.60 ACRES (66%)
GRAVEL DRIVE =	0.52 ACRES
FUTURE TRAINING PAD =	0.88 ACRES
FUTURE MAINTENANCE AREA =	5.65 ACRES
GRASS/OPEN SPACE =	16.55 ACRES
PARKING REQUIRED :	
1 SPACE PER VEHICLE STORED ON SITE	
1 SPACE PER EMPLOYEE ON LARGEST SHIFT	
1 SPACE PER STORED VEHICLE * 215 BUSES =	215 BUS SPACES
1 SPACE PER EMPLOYEE * 227 PEAK EMPLOYEES =	227 SPACES
PARKING PROVIDED :	227 CAR - 215 BUS
CAR PARKING =	221 STALLS
ADA VAN ACCESSIBLE =	4 STALLS
ADA ACCESSIBLE =	2 STALLS
BUS PARKING =	215 STALLS
SETBACKS :	
FRONT =	50 FT
SIDE =	10 FT
REAR =	15 FT
MAX BUILDING HEIGHT =	120 FT
WETLAND AREA =	NONE
POND AREA =	NONE

SITE LOCATION
 INVESTORS BOULEVARD
 MYRTLE BEACH, SC 29579

LOCATION MAP / VICINITY MAP
 SCALE N.T.S.



THIS PROPERTY IS LOCATED IN FLOOD ZONE "X" AS SCALED FROM F.I.R.M. No. 45051C0704 K, DATED DECEMBER 16, 2021, THIS PLAT IS NOT THE BASIS FOR FLOOD ZONE DETERMINATION OR FLOOD ZONE RELATED ISSUES.

CONTRACTOR SHALL BE KNOWLEDGEABLE WITH LOCAL, CITY, COUNTY, STATE, AND FEDERAL REGULATIONS AS THEY MAY PERTAIN TO THIS PROJECT AND SHALL ADHERE TO THESE REGULATIONS.

INFORMATION REGARDING THE PRESENCE, SIZE, CHARACTER, AND LOCATION OF ANY UNDERGROUND UTILITY AND/OR STRUCTURE SHOWN ON THIS PLAN IS APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE ALL UNDERGROUND UTILITIES LOCATED.

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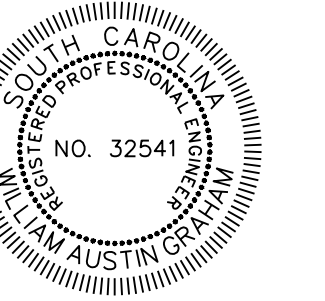


**Know what's below.
 Call before you dig.**

- THERE ARE NO KNOWN COVENANTS OR RESTRICTIONS ON THIS SITE
- THERE ARE NO 24" DBH OR GREATER LIVE OAKS ON THIS SITE
- FINAL INSPECTIONS WILL NOT BE CONDUCTED UNTIL A FINAL AS-BUILT IS SUBMITTED TO HORRY COUNTY.
 - LIGHT FIXTURES SHALL BE FULL-CUTOFF AND MEET ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) CRITERIA. LIGHTING SHALL BE AIMED STRAIGHT DOWN.
 - LIGHTING SHALL NOT PRODUCE AN ILLUMINATION THAT EXCEEDS 1 FOOTCANDLE BEYOND ANY RESIDENTIAL LINE



DEVELOPMENT RESOURCE GROUP, LLC
 4703 OLEANDER DRIVE
 MYRTLE BEACH, SC 29577
 843-839-3350 | DRGPLLC.COM



COVER SHEET
 FANTASY HARBOUR BUS FACILITY

PREPARED FOR:
 HORRY COUNTY SCHOOLS
 335 FOUR MILE ROAD
 CONWAY, SC 29526
 JOE BURCH

PLANS FOR CONSTRUCTION

JOB NO: 21.148
 SCALE: NTS
 DRAWN BY: PJC
 CHECKED BY: WAG
 APPROVED BY: WAG
 DATE: 03/15/2023

SHEET NUMBER:

C1.0

GENERAL LEGEND

	ANCHOR GUY WIRE (SINGLE)		UTILITY SERVICES MANHOLE
	ANCHOR GUY WIRE (MULTIPLE)		UTILITY WATER MANHOLE
	EASEMENT LINE		UTILITY WATER TANK
	ABANDONED (ORIG) PLAT LINE		UTILITY POLE
	CURRENT PARCEL LINE		11° BEND
	RIGHT-OF-WAY LINE		22° BEND
	FENCE LINE(CHAINLINK)		45° BEND
	FENCE LINE(WOOD)		90° BEND
	SILT FENCE		WATER TEE
	UNDERGROUND FIBER OPTIC LINE		WATER CROSS
	OVERHEAD ELECTRIC LINE		TAPPING SLEEVE & VALVE
	UNDERGROUND ELECTRIC LINE		WATER VALVE
	OVERHEAD STREET LIGHT LINE		PIPE THRUST BLOCK
	UNDERGROUND STREET LIGHT LINE		WATER REDUCER
	OVERHEAD TELEPHONE LINE		CURB BOX SERVICE REPLACEMENT
	UNDERGROUND TELEPHONE LINE		TYPE III HYDRANT ASSEMBLY
	UNDERGROUND UTILITY LINE		TYPE I HYDRANT ASSEMBLY
	OVERHEAD UTILITY LINE		TYPE V HYDRANT ASSEMBLY
	UNDERGROUND TRAFFIC LINE		WATER BLOW OFF
	OVERHEAD TRAFFIC LINE		CUT & PLUG
	OVERHEAD CABLE TV LINE		WATER METER
	FORCE MAIN LINE		UNKNOWN WATER SRVC CURB BOX
	GAS LINE		FIRE HYDRANT
	SANITARY SEWER LINE		WELL
	STORM SEWER LINE		CATCH BASIN
	WATER LINE		CATCH BASIN ROUND
	PRIVATE WATER LINE		STORM DRAINAGE MANHOLE
	CONSTRUCTION LIMITS		STORM SEWER INLET ROUND
	FLOW LINE		STORM SEWER INLET
	TRAFFIC MANHOLE		SANITARY CLEANOUT
	TRAFFIC PEDESTAL		SANITARY SEWER MANHOLE
	POWER POLE WITH ONE LIGHT ARM		SANITARY METER
	LIGHT POST 1 ARM 1 HEAD		SANITARY LIFT STATION
	LIGHT POST 2 ARMS 2 HEADS		CHECK VALVE
	LIGHT POST W/O ARM		SANITARY VALVE
	POWER POLE		GAS VALVE
	YARD LIGHT		NATURAL GAS MANHOLE
	ELECTRIC MANHOLE ROUND		NATURAL GAS METER
	ELECTRIC HAND HOLE		COMMUNICATIONS MANHOLE
	ELECTRICAL METER		BENCHMARK/CONTROL POINT
	ELECTRICAL JUNCTION BOX		IRON ROD
	PULL BOX		IRON PIPE
	TRANSFORMER		R/W MONUMENT
	TELEPHONE PEDESTAL		BUSH
	CABLE TV PEDESTAL		TREE STUMP
	TELEPHONE MANHOLE		EVERGREEN TREE
	SATELLITE DISH		DECIDUOUS TREE
	EARTH		AIR CONDITIONING UNIT
	GRASS		MAILBOX
	GRAVEL		SIGN
	UNDISTURBED EARTH		FLAG POLE
	RIPRAP		
	CONCRETE		
	REMOVAL		
	RESURFACING, OTHER		

GENERAL NOTES

- IF ANY ERRORS BECOME APPARENT, THESE SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
- THE CONTRACTOR SHALL CONFINE ALL WORK WITHIN THE LIMITS SHOWN.
- CONTRACTOR IS RESPONSIBLE FOR HAVING, IN HIS POSSESSION, ALL REQUIRED PERMITS AND APPROVALS PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF ALL PERMITS OBTAINED FOR THE PROJECT.
- THE CONTRACTOR SHALL RESTORE GROUND SURFACE, DRAINAGE DITCHES AND EMBANKMENTS TO ORIGINAL GRADE AND VEGETATION ACCORDING TO PROJECT SPECIFICATIONS UNLESS OTHERWISE NOTED ON PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LINES, GRADES AND ELEVATIONS. ALL PIPES SHALL SLOPE UNIFORMLY BETWEEN INVERT ELEVATIONS SHOWN
- THE CONTRACTOR SHALL ENSURE THAT EACH BUSINESS AND HOMEOWNER HAS ONE SAFE POINT OF ACCESS FOR CUSTOMERS AND DELIVERIES AT ALL TIMES. THE CONTRACTOR SHALL MAINTAIN ACCESS KEEP IT SAFE, CLEAN AND FREE OF DEBRIS AND PROVIDE THE NECESSARY SAFETY DEVICES WHERE NEEDED.
- THE CONTRACTOR SHALL GIVE AFFECTED BUSINESS OWNERS AND HOMEOWNER AT LEAST A TWO (2) WORKING DAY ADVANCED NOTICE OF REMOVAL, DEMOLITION AND /OR CONSTRUCTION ACTIVITY IN FRONT OF OR AFFECTING ACCESS TO THAT BUSINESS OR HOME.
- THE CONTRACTOR SHALL PRESERVE AND PROTECT PROPERTY MARKERS, SECTION CORNERS, SURVEY MARKS AND BENCH MARKS, SUCH AS STONES, PIPES, OR OTHER MONUMENTS ENCOUNTERED. IF THE CONTRACTOR MUST DISTURB THE PROPERTY MARKERS OR MONUMENTS, THEIR HORIZONTAL AND VERTICAL LOCATION SHALL BE DETERMINED AND RECORDED BY A REGISTERED LAND SURVEYOR AND THE OWNER NOTIFIED BEFORE DISTURBING. ALL PROPERTY MARKERS AND MONUMENTS DISTURBED DURING CONSTRUCTION SHALL BE RE-ESTABLISHED BY A REGISTERED LAND SURVEYOR.
- ALL MATERIALS REQUIRED MUST BE PROVIDED AS NEW AND OF THE QUALITY CALLED OUT IN THE DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE THE EXACT MATERIALS AND PLACE THEM IN ACCORDANCE WITH THE DOCUMENTS AND REGULATORY AGENCY REQUIREMENTS.
- THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS DISCOVERED. SHOULD THE CONTRACTOR PROCEED WITH CONSTRUCTION PRIOR TO DOING THIS AND ANY CONFLICTS OCCUR THEN THE CONTRACTOR WILL BE RESPONSIBLE FOR THE TOTAL COST TO REMEDY THE SITUATION INCLUDING ENGINEERING FEES. CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING UTILITIES (SHOWN OR NOT SHOWN) WITHIN SCOPE OF CONSTRUCTION. IF ANY EXISTING UTILITIES ARE DAMAGED, THE CONTRACTOR SHALL REPAIR THEM AT HIS OWN EXPENSE.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE SAFETY DURING ALL PHASES OF CONSTRUCTION.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL GEOTECHNICAL ENGINEERING, COMPACTION, SOILS AND COMPACTION TESTING, AND HOMESITE SUITABILITY. ENGINEER MAKES NO REPRESENTATIONS OR WARRANTIES CONCERNING GEOTECHNICAL ENGINEERING, COMPACTION, SOILS, COMPACTION TESTING OR HOMESITE SUITABILITY.
- 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.
- ALL FENCES AND STRUCTURES WHICH WOULD INTERFERE WITH ACCESS TO THE EASEMENT AREAS AND/OR MAINTENANCE FUNCTION OF THE DRAINAGE SYSTEM ARE PROHIBITED.

EROSION CONTROL 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.
- STABILIZATION MEASURES 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, 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 DAILY 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.

SITE WORK

- EXISTING CONTOURS AND ELEVATIONS AS SHOWN ON THIS PLAN WERE TAKEN FROM A FIELD TOPOGRAPHIC SURVEY PREPARED BY DEVELOPMENT RESOURCE GROUP,LLC, CONTRACTOR SHALL CONTACT AND REFERENCE SAME BENCHMARK AS USED BY SURVEYOR.
- BEFORE ANY EARTHWORK IS DONE, THE CONTRACTOR SHALL STAKE OUT AND FLAG THE CLEARING LIMITS, TREES TO BE SAVED & OTHER ITEMS ESTABLISHED BY THE PLANS. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY ENGINEERING AND SURVEYING FOR LINE AND GRADE CONTROL POINTS RELATED TO EARTHWORK.
- CLEARING LIMITS SHALL BE, AT A MINIMUM, THE CLEARING REQUIRED IN ORDER TO FACILITATE THE WORK, OR TO PROVIDE FOR ADDITIONAL UTILITIES OR EASEMENTS AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- NO TREE SHALL BE REMOVED OR DAMAGED WITHOUT PRIOR AUTHORIZATION OF THE OWNER OR OWNER'S REPRESENTATIVE. EXISTING TREES TO BE SAVED, AS SHOWN ON THE DRAWINGS, SHALL BE PRESERVED.
- ALL BACKFILL AND FILL SOILS SHOULD BE NON-PLASTIC AND GRANULAR IN NATURE. SOILS SHOULD BE PLACED IN MAXIMUM EIGHT (8.0) INCH COMPACTED LIFTS. EACH LIFT SHALL BE COMPACTED TO AT LEAST NINETY-FIVE PERCENT (95%) OF THE SOIL'S MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D1557).
- CONTRACTOR IS RESPONSIBLE FOR PROPERLY DISPOSING OF UNSUITABLE MATERIAL OFF SITE. ALL SUITABLE MATERIAL SHALL BE STOCKPILED AT OWNERS DIRECTION.
- ALL EXCAVATION IS UNCLASSIFIED AND SHALL INCLUDE ALL MATERIALS ENCOUNTERED. UNUSABLE EXCAVATED MATERIAL AND ALL WASTE RESULTING FROM SITE CLEARING AND GRUBBING SHALL BE DISPOSED OF OFF SITE BY THE CONTRACTOR AT HIS EXPENSE UNLESS INSTRUCTED OTHERWISE BY THE ENGINEER.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL GEOTECHNICAL ENGINEERING CONCERNING THE SITE, HOMESITE LOCATION, COMPACTION, SOILS AND COMPACTION TESTING AND HOMESITE SUITABILITY.

DRAINAGE

- ALL MATERIALS AND WORKMANSHIP ARE TO CONFORM TO THE REQUIREMENTS SET FORTH BY HORRY COUNTY, SCDOT AND SC DHEC.
- IF AN ITEM IS NOT COVERED BY THESE PLANS, THEN HORRY COUNTY AND SCDOT AND SC DHEC GENERAL SPECIFICATIONS COVERING SUCH ITEMS SHALL APPLY.
- ALL DRAINAGE PIPE SHALL BE RCP, CLASS III UNLESS OTHERWISE SPECIFIED
- FOR PIPE JOINTS, AND DRAINAGE STRUCTURES, CONTRACTOR SHALL USE TYPE M OR S MORTAR.
- ALL DRAINAGE STRUCTURES SHALL HAVE A MINIMUM INSIDE DIMENSION OF 3' x 3'
- ALL DRAINAGE STRUCTURES GREATER THAN 6' IN DEPTH SHALL UTILIZE STEPS.

WATER AND SEWER

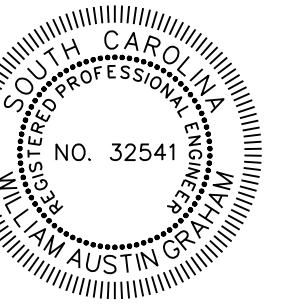
- ALL MATERIALS AND WORKMANSHIP ARE TO CONFORM TO THE REQUIREMENTS SET FORTH BY GRAND STRAND WATER & SEWER AUTHORITY AND SC DHEC.
- IF AN ITEM IS NOT COVERED BY THESE PLANS, THEN GRAND STRAND WATER & SEWER AUTHORITY AND SC DHEC GENERAL SPECIFICATIONS COVERING SUCH ITEMS SHALL APPLY.
- WATER MAINS SHALL BE MINIMUM, C-900, DR18 PVC PIPE, BLUE IN COLOR.
- HYDRANTS SHALL BE MUELLER SUPER CENTURION A423 (4 1/2" MAIN VALVE).
- SEWER PIPE SHALL BE MINIMUM, SDR 35 PVC PIPE, GREEN IN COLOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING RECORD DRAWINGS TO THE ENGINEER SHOWING THE LOCATION OF WATER INFRASTRUCTURE IN STATE PLANE COORDINATES AND ANY DEVIATIONS FROM PLANS MADE DURING CONSTRUCTION. THE ENGINEER WILL PROVIDE RECORD PLANS TO GRAND STRAND WATER & SEWER AUTHORITY.
- THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE UTILITIES. ALL PUBLIC PIPE, STRUCTURES, AND FITTINGS SHALL BE INSPECTED BY GRAND STRAND WATER & SEWER AUTHORITY INSPECTOR PRIOR TO BEING COVERED. THE INSPECTOR MUST ALSO BE PRESENT DURING DISINFECTION AND PRESSURE TESTING OF ALL MAINS. THE CONTRACTOR'S BID PRICE SHALL INCLUDE ALL TESTING AND INSPECTION FEES.
- WATER MAINS SHALL HAVE A MINIMUM COVER OF 36" BELOW PROPOSED FINISHED GRADE.
- ALL UNDERGROUND UTILITIES AND FIRE HYDRANTS MUST BE FUNCTIONALLY APPROVED PRIOR TO BUILDING CONSTRUCTION.
- IN NO SUCH CASE SHALL SEWER SLOPES BE LESS THAN INDICATED ON THESE PLANS.

PAVING

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS SCDOT STANDARD SPECIFICATIONS, LATEST EDITION, HORRY COUNTY SPECIFICATIONS, AND GEOTECHNICAL REPORT (WHEN PROVIDED).
- UPON COMPLETION OF PAVING, CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PAVEMENT CORE DATA AS REQUESTED BY HORRY COUNTY OR THE ENGINEER.
- PRIME COAT AND TACK COAT APPLICATION TO BE IN ACCORDANCE WITH SCDOT STANDARD SPECIFICATIONS.
- ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE SCDOT STANDARDS/FOR ROADWAY CONSTRUCTION AND THE MUTCD FOR HIGHWAY CONSTRUCTION.
- UNLESS OTHERWISE DIRECTED, PAVEMENT MARKINGS SHALL BE PAINT OR AS DIRECTED BY THE OWNER.
- ALL STOP BARS AND ARROWS ARE TO BE THERMOPLASTIC.
- SAW CUTS ON EXISTING PAVEMENT FOR PATCHING SHALL HAVE A TYPICAL MINIMUM WIDTH OF 24 INCHES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.



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GENERAL NOTES
FANTASY HARBOUR BUS FACILITY

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335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

PLANS FOR CONSTRUCTION

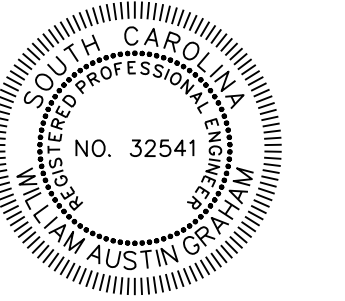
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OVERALL & KEY PLAN
FANTASY HARBOUR BUS FACILITY

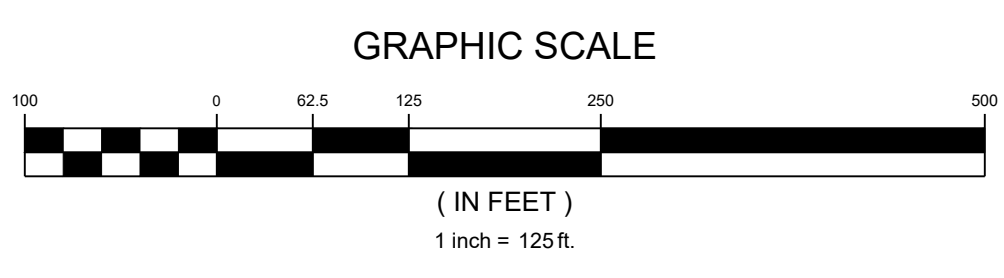
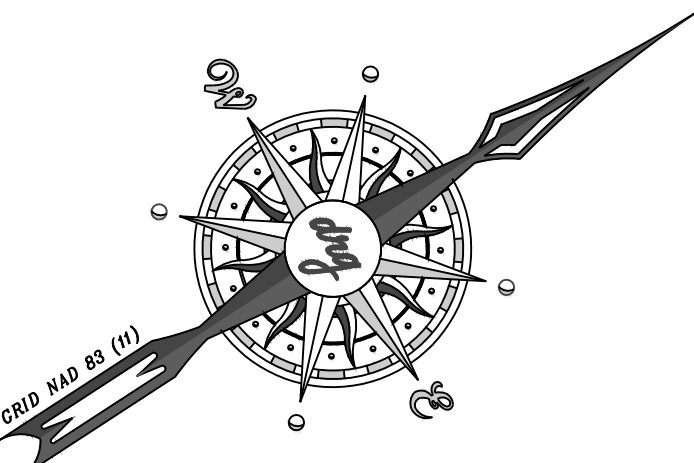
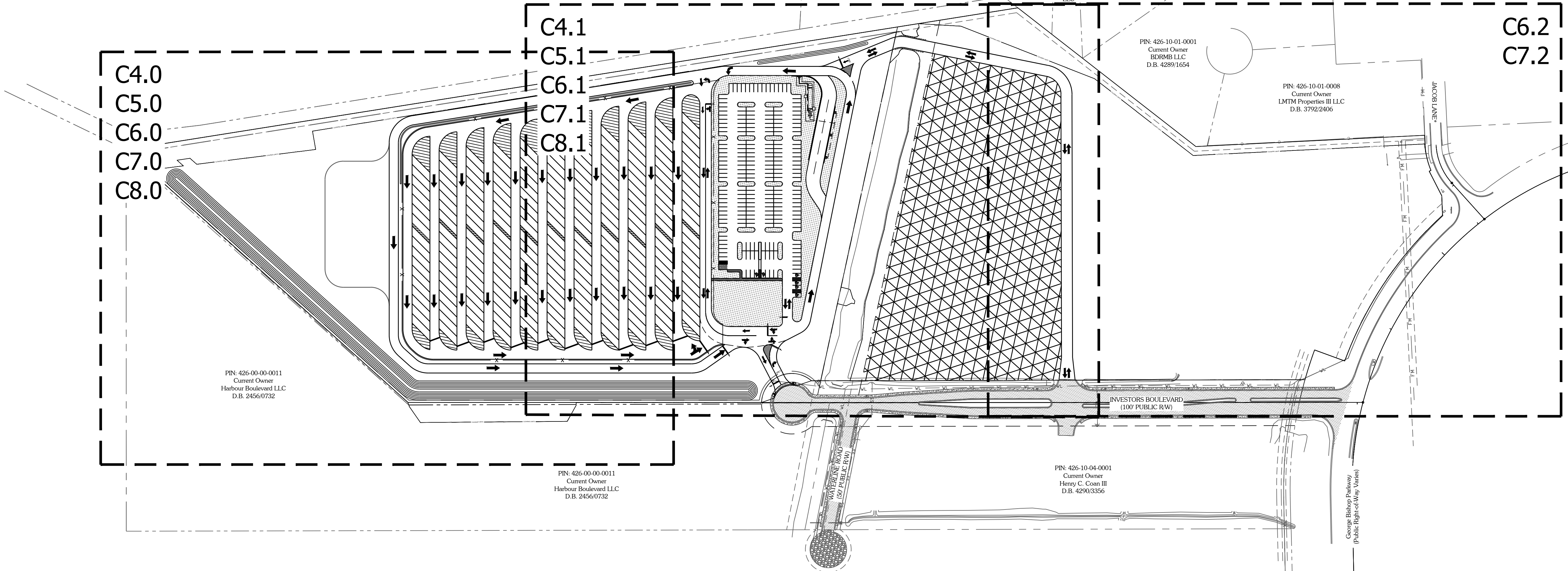
PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

PLANS FOR
CONSTRUCTION

JOB NO: 21.148
SCALE: 1" = 125'
DRAWN BY: PJC
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023

SHEET NUMBER:

C3.0



3/15/2023 11:45 AM
P:21148 - HCS - FANTASY HARBOUR BUS FACILITY DESIGN DRAWINGS SHEET DRAWINGS: 21148 EXISTING CONDITIONS.DWG

PIN: 426-00-00-0013
Current Owner
Arrowhead Country Club LTD
Partnership
D.B. 1744/224

PROPERTY CORNER
N: 686466.96
E: 2624514.18

PIN: 426-00-00-0011
Current Owner
Harbour Boulevard LLC
D.B. 2456/0732

PROPERTY CORNER
N: 686681.78
E: 2625311.72

PIN: 426-00-00-0012
TMS: 180-00-01-053
1,715,678 sq.ft.
39.39 Acres
Current Owner
Horry County Board of Education
D.B. 4199/929

PIN: 426-00-00-0011
Current Owner
Harbour Boulevard LLC
D.B. 2456/0732

PIN: 426-00-00-0014
Current Owner
Newport Brookridge LLC

DEMO 50 LF 48" RCP @ 0.14%
DEMO 50 LF 48" RCP @ (0.14%)
DEMO 49 LF 48" RCP @ 0.14%

DEMO 38 LF 18" RCP @ 0.94%
SEE SHEETS C6.1 & C7.1 FOR CHANNEL
IMPROVEMENTS & NEW BOX CULVERT

EXISTING GRAVEL ROAD
TO BE REMOVED

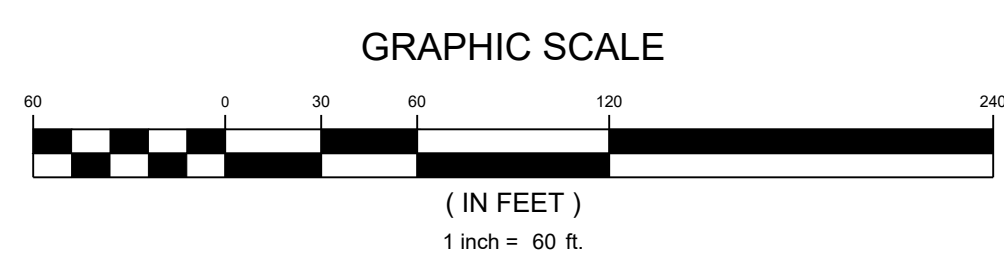
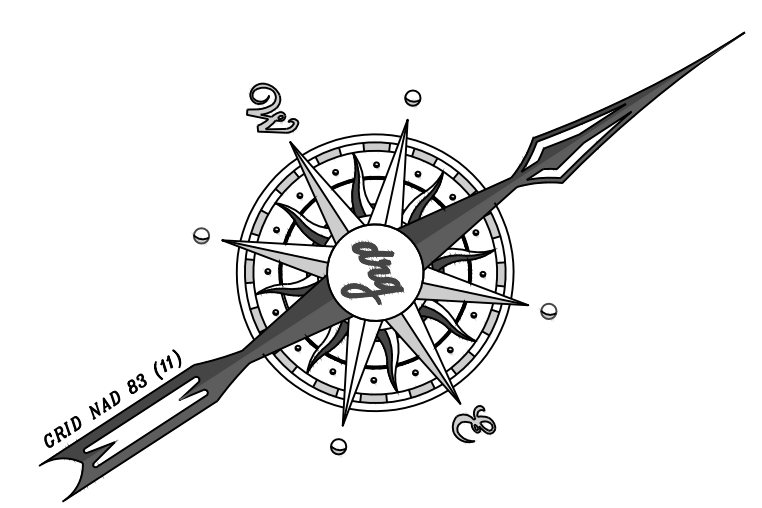
TBM 1/2" IRON PIPE FOUND
N: 687472.65
E: 2625758.40
ELEV=16.73

FIRE HYDRANT
N: 687458.63
E: 2625761.20

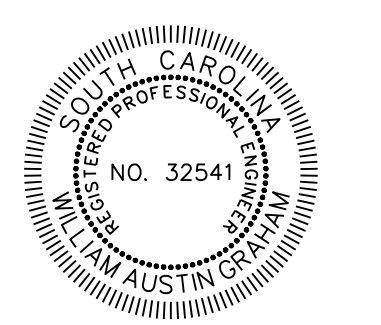
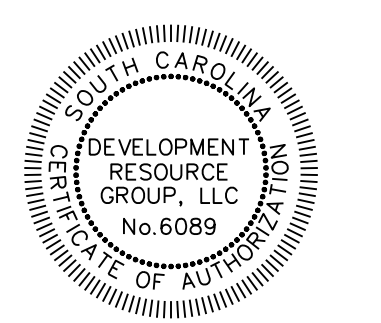
POST HYDRANT
(TO BE RELOCATED
SEE SHEET C8.1)
N: 687374.34
E: 2625706.28

DEMO 18 LF 48" RCP @ 1.70%

MATCHLINE
SEE SHEET C4.1



DEVELOPMENT RESOURCE GROUP, LLC
4703 OLEANDER DRIVE
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



EXISTING CONDITIONS & DEMO PLAN - 1
FANTASY HARBOUR BUS FACILITY

PREPARED FOR:
HORRY COUNTY SCHOOLS
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

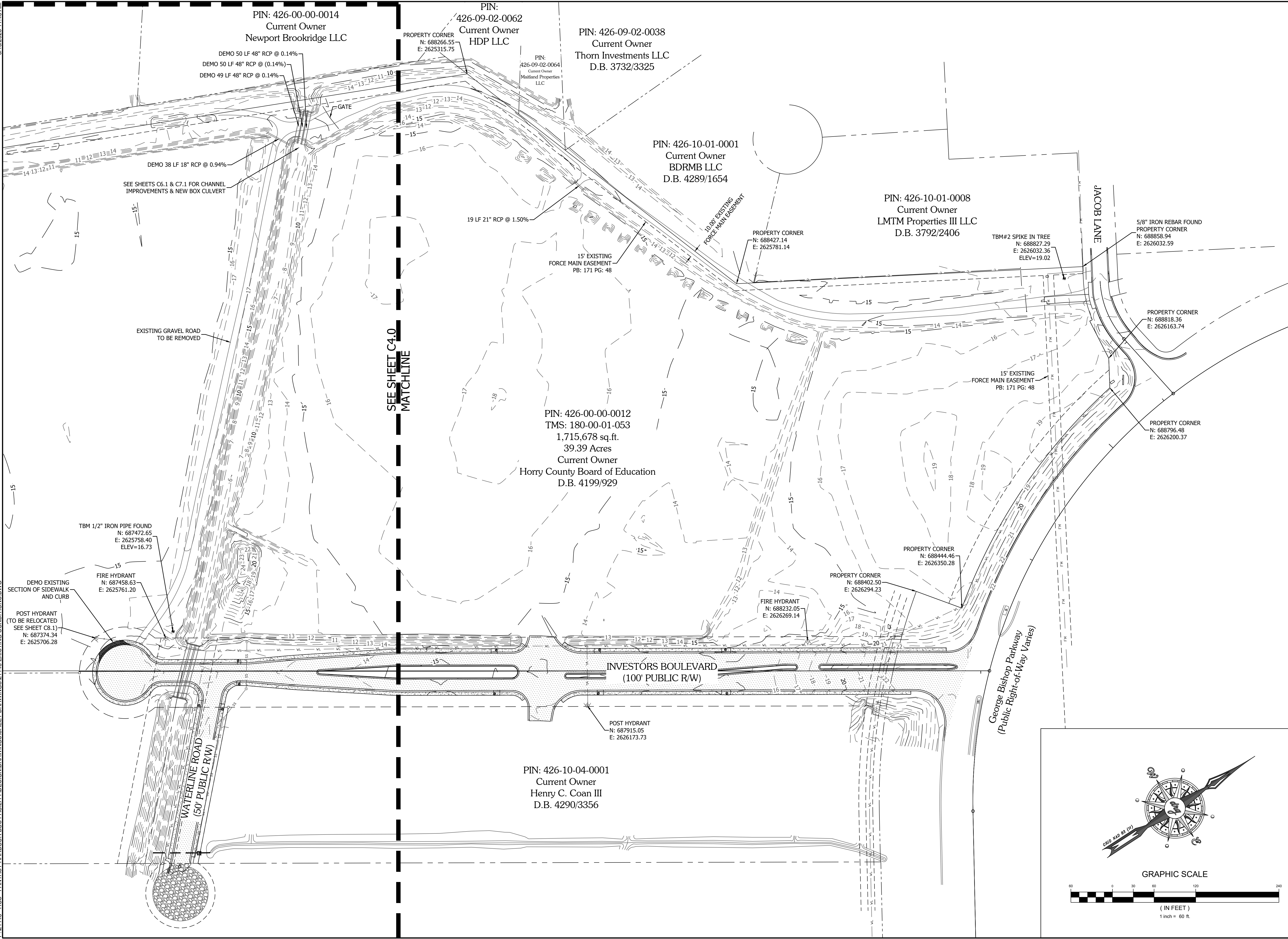
PLANS FOR
CONSTRUCTION

JOB NO: 21.148
SCALE: 1" = 60'
DRAWN BY: PJC
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023

SHEET NUMBER:

C4.0

P:21148 - HCS - FANTASY HARBOUR BUS FACILITY DESIGN DRAWINGS SHEET DRAWINGS 1:148 EXISTING CONDITIONS DWG 3/15/2023 11:45 AM



PIN: 426-00-00-0014
Current Owner
Newport Brookridge LLC

PIN: 426-09-02-0062
Current Owner
HDP LLC

PIN: 426-09-02-0038
Current Owner
Thom Investments LLC
D.B. 3732/3325

PIN: 426-10-01-0001
Current Owner
BDRMB LLC
D.B. 4289/1654

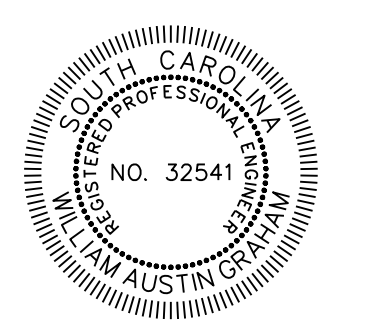
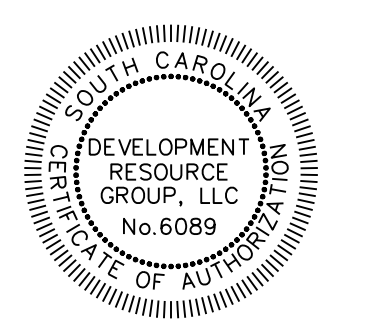
PIN: 426-10-01-0008
Current Owner
LMTM Properties III LLC
D.B. 3792/2406

PIN: 426-00-00-0012
TMS: 180-00-01-053
1,715,678 sq.ft.
39.39 Acres
Current Owner
Horry County Board of Education
D.B. 4199/929

PIN: 426-10-04-0001
Current Owner
Henry C. Coan III
D.B. 4290/3356

drq

DEVELOPMENT RESOURCE GROUP, LLC
4703 OLEANDER DRIVE
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



EXISTING CONDITIONS & DEMO PLAN - 2
FANTASY HARBOUR BUS FACILITY

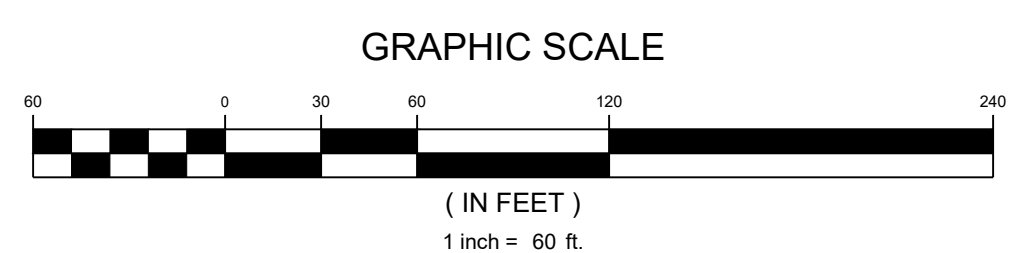
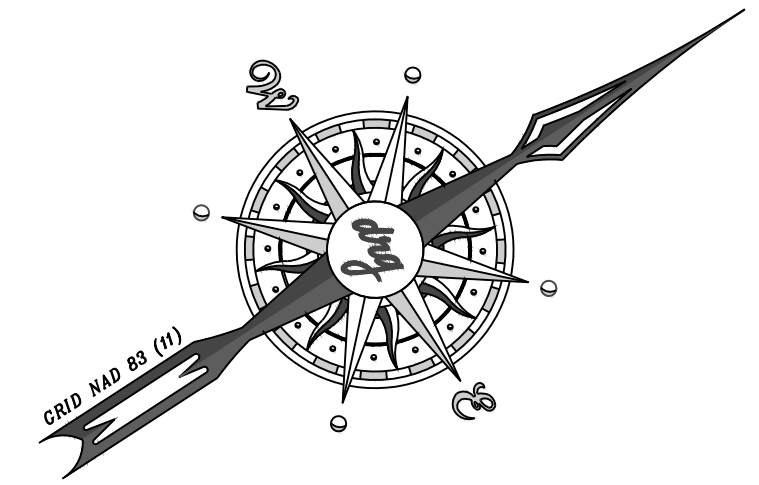
PREPARED FOR:
HORRY COUNTY SCHOOLS
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

PLANS FOR CONSTRUCTION

JOB NO: 21.148
SCALE: 1" = 60'
DRAWN BY: PJC
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023

SHEET NUMBER:

C4.1



P:21148 - HCS - FANTASY HARBOUR BUS FACILITY DESIGN DRAWINGS SHEET DRAWINGS 21148 HORIZONTAL CONTROL DWG 3/15/2023 11:45 AM

PIN: 426-00-00-0013
Current Owner
Arrowhead Country Club LTD
Partnership
D.B. 1744/224



DEVELOPMENT RESOURCE GROUP, LLC
4703 OLEANDER DRIVE
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM

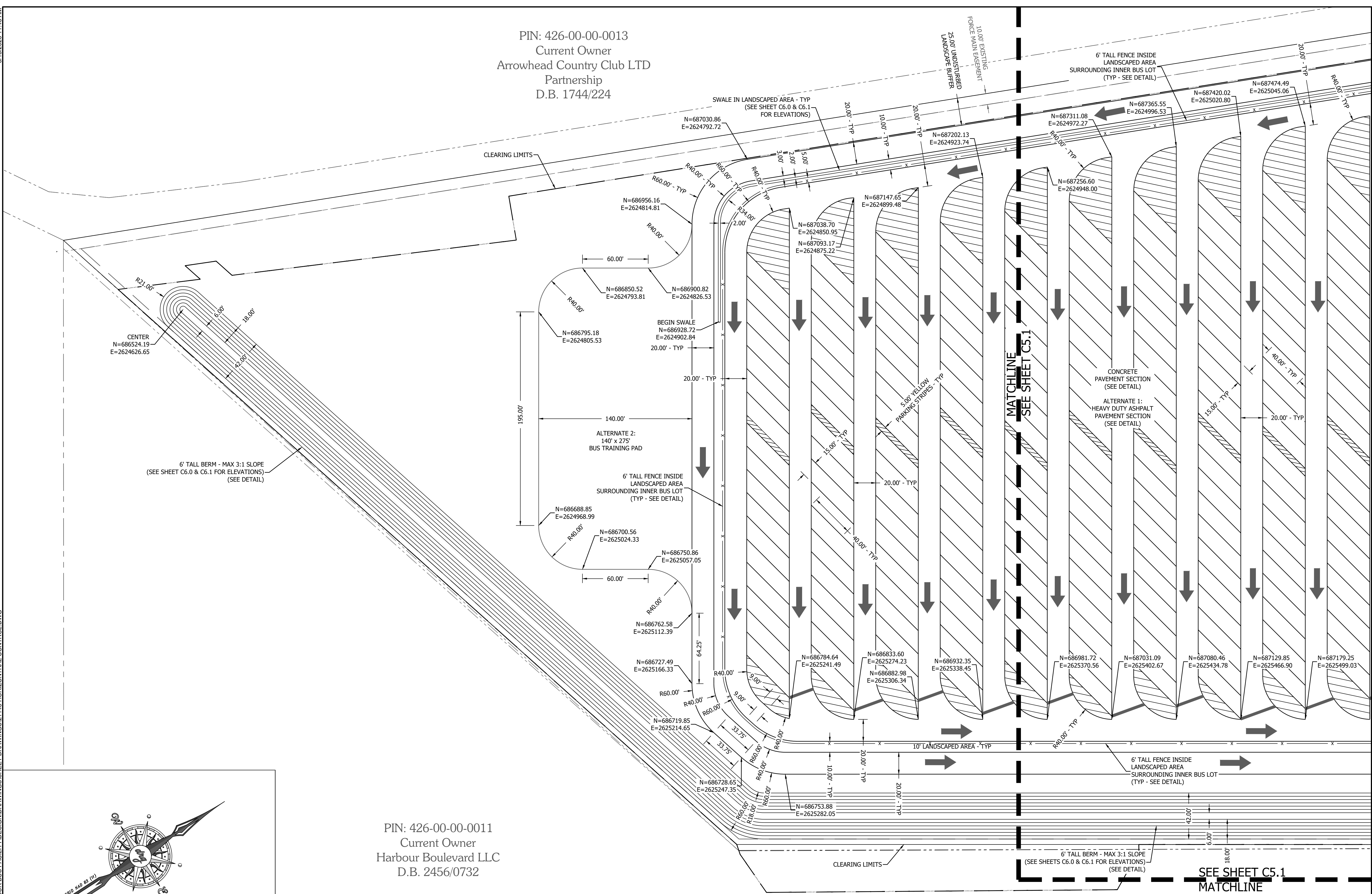
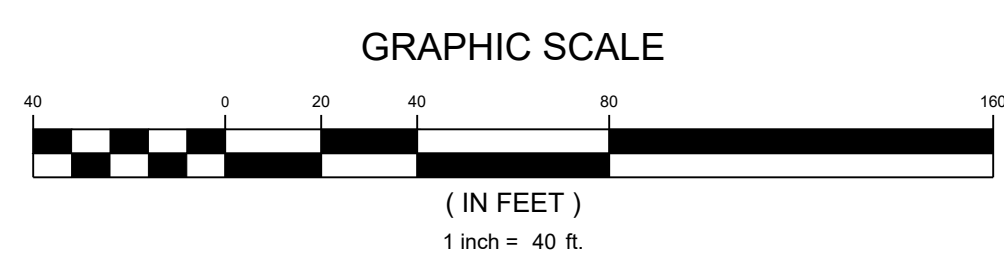
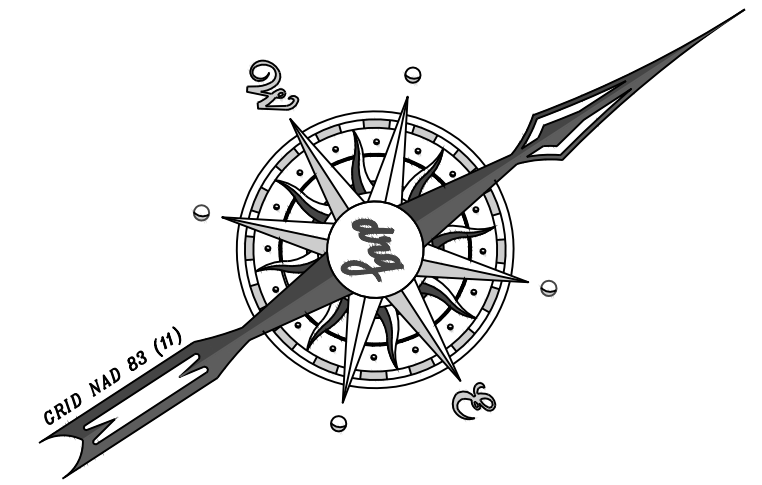


HORIZONTAL CONTROL - 1
FANTASY HARBOUR BUS FACILITY
PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH
PLANS FOR CONSTRUCTION

JOB NO: 21.148
SCALE: 1" = 40'
DRAWN BY: PJC
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023
SHEET NUMBER:

C5.0

PIN: 426-00-00-0011
Current Owner
Harbour Boulevard LLC
D.B. 2456/0732



SEE SHEET C5.1
MATCHLINE

P:21148-HCS-FANTASY HARBOUR BUS FACILITY DESIGN DRAWINGS SHEET DRAWINGS 21148 HORIZONTAL CONTROL.DWG 3/15/2023 11:45 AM

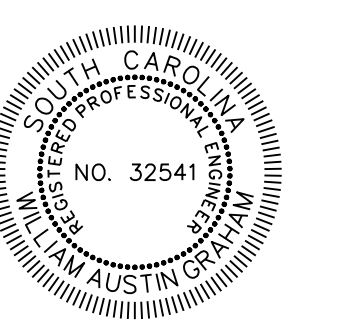
PIN: 426-00-00-0013
Current Owner
Arrowhead Country Club LTD
Partnership
D.B. 1744/224

PIN: 426-00-00-0014
Current Owner
Newport Brookridge LLC

PIN: 426-09-02-0064
Current Owner
Maitland Properties
LLC



DEVELOPMENT RESOURCE GROUP, LLC
4703 OLEANDER DRIVE
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



HORIZONTAL CONTROL - 2
FANTASY HARBOUR BUS FACILITY

PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

PLANS FOR
CONSTRUCTION

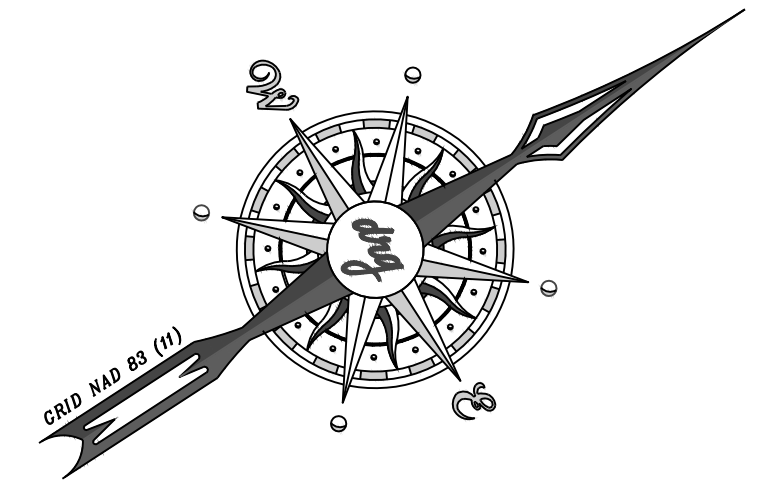
JOB NO: 21.148
SCALE: 1" = 40'
DRAWN BY: PJC
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023

SHEET NUMBER:

C5.1

MATCHLINE
SEE SHEET C5.0

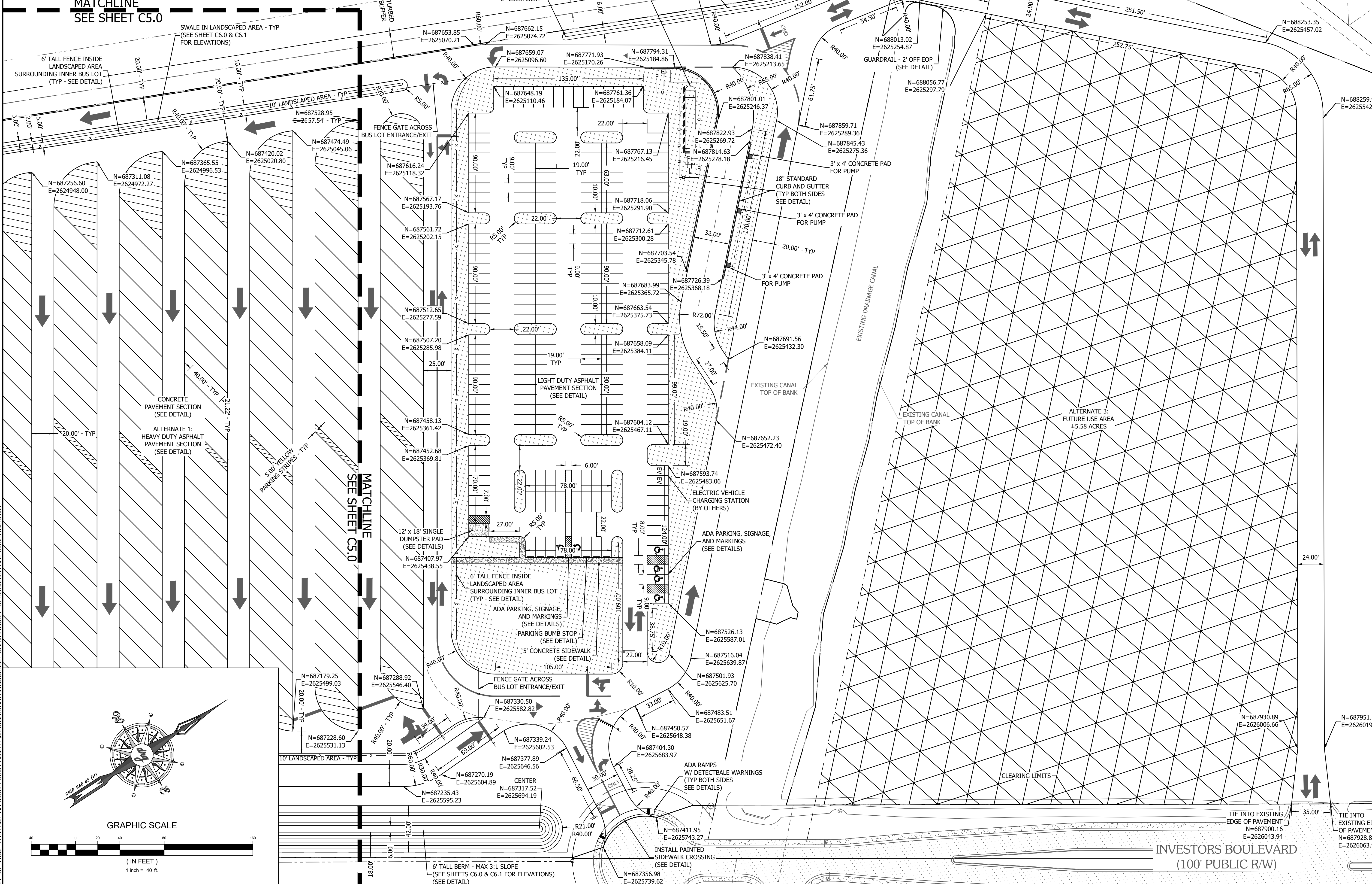
MATCHLINE
SEE SHEET C5.0



GRAPHIC SCALE

(IN FEET)

1 inch = 40 ft.

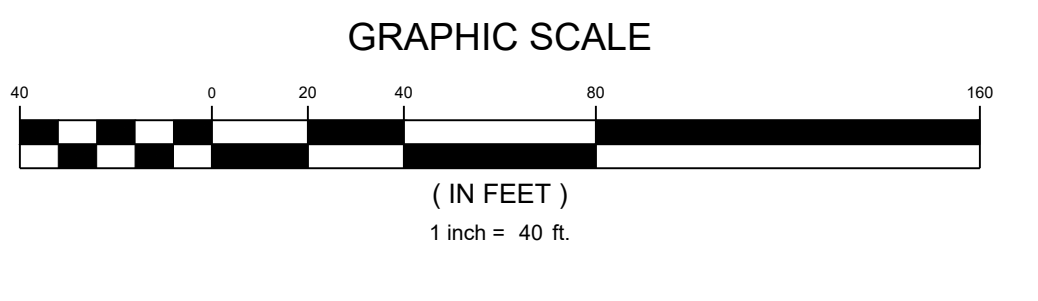
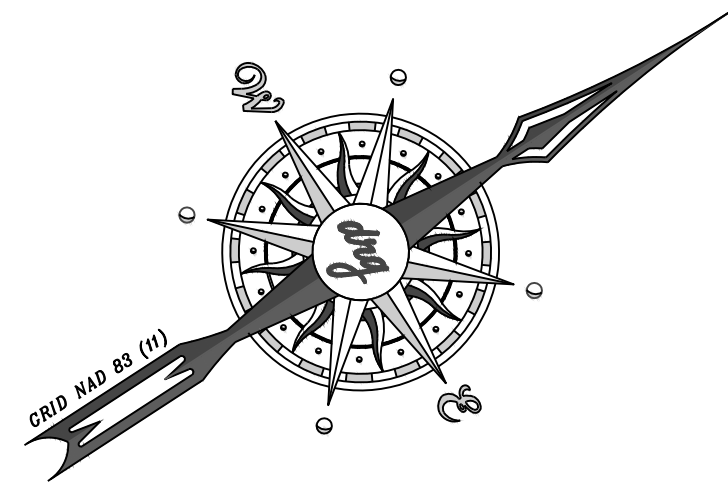


INVESTORS BOULEVARD
(100' PUBLIC R/W)

TIE INTO EXISTING
EDGE OF PAVEMENT
N=687900.16
E=2626043.94

TIE INTO EXISTING
EDGE OF PAVEMENT
N=687928.86
E=2626063.96

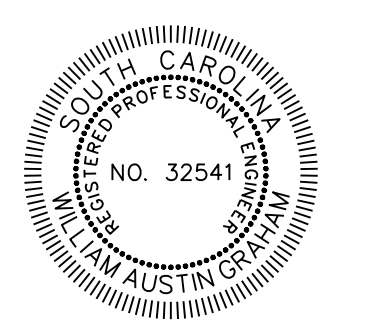
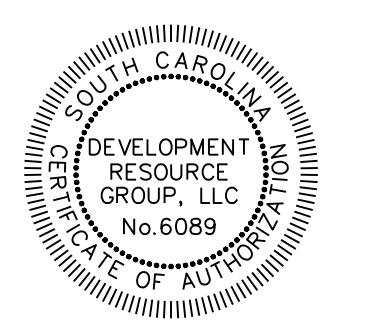
P:21148 - HCS - FANTASY HARBOUR BUS FACILITY DRAWINGS SHEET DRAWINGS:21148_HORIZONAL CONTROL.DWG 3/15/2023 11:45 AM



PIN: 426-00-00-0013
Current Owner
Arrowhead Country Club LTD
Partnership
D.B. 1744/224



DEVELOPMENT RESOURCE GROUP, LLC
4703 OLEANDER DRIVE
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



STRIPING PLAN
FANTASY HARBOUR BUS FACILITY

PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

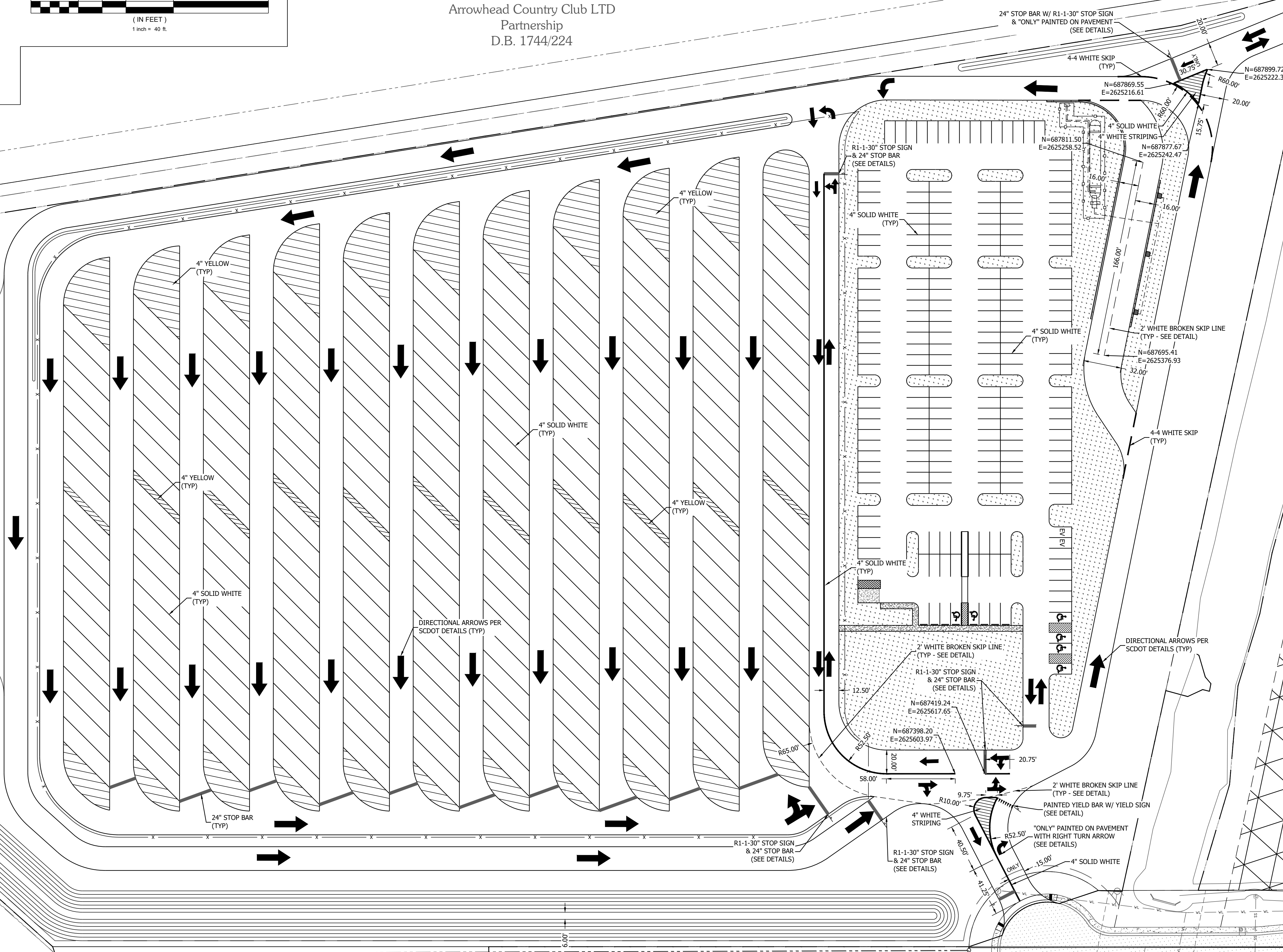
PLANS FOR
CONSTRUCTION

JOB NO: 21.148
SCALE: 1" = 40'
DRAWN BY: PJC
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023

SHEET NUMBER:

C5.2

PIN: 426-00-00-0011
Current Owner
Harbour Boulevard LLC
D.B. 2456/0732



24" STOP BAR W/ R1-1-30" STOP SIGN & "ONLY" PAINTED ON PAVEMENT (SEE DETAILS)
4-4 WHITE SKIP (TYP)
N=687899.72 E=2625222.36
N=687869.55 E=2625216.61
R60.00'
30.75'
15.75'
20.00'

4" SOLID WHITE (TYP)
4" WHITE STRIPING
N=687811.50 E=2625258.52
N=687877.67 E=2625242.47
16.00'
16.00'

2" WHITE BROKEN SKIP LINE (TYP - SEE DETAIL)
N=687695.41 E=2625376.93
32.00'

4-4 WHITE SKIP (TYP)
166.00'

4" SOLID WHITE (TYP)
12.50'

2" WHITE BROKEN SKIP LINE (TYP - SEE DETAIL)
R1-1-30" STOP SIGN & 24" STOP BAR (SEE DETAILS)
N=687419.24 E=2625617.65
N=687398.20 E=2625603.97
R65.00'
20.75'

2" WHITE BROKEN SKIP LINE (TYP - SEE DETAIL)
PAINTED YIELD BAR W/ YIELD SIGN (SEE DETAIL)
R10.00'
9.75'

"ONLY" PAINTED ON PAVEMENT WITH RIGHT TURN ARROW (SEE DETAILS)
R52.50'
15.00'

4" SOLID WHITE
R1-1-30" STOP SIGN & 24" STOP BAR (SEE DETAILS)
R10.00'
40.50'

DIRECTIONAL ARROWS PER SCDOT DETAILS (TYP)

DIRECTIONAL ARROWS PER SCDOT DETAILS (TYP)

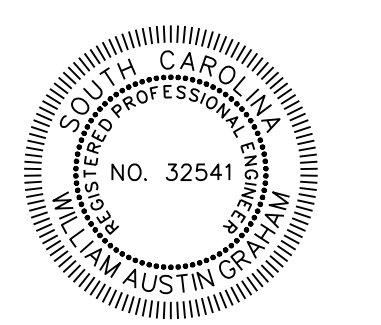
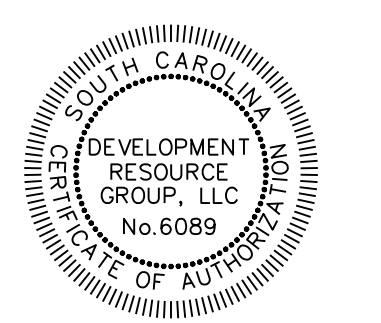
P:21148-HCS-FANTASY HARBOUR BUS FACILITY DESIGN DRAWINGS SHEET DRAWINGS 21148 GRADING PLAN DWG 3/15/2023 11:45 AM

PIN: 426-00-00-0013
Current Owner
Arrowhead Country Club LTD
Partnership
D.B. 1744/224

PIN: 426-00-00-0011
Current Owner
Harbour Boulevard LLC
D.B. 2456/0732



DEVELOPMENT RESOURCE GROUP, LLC
4703 OLEANDER DRIVE
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



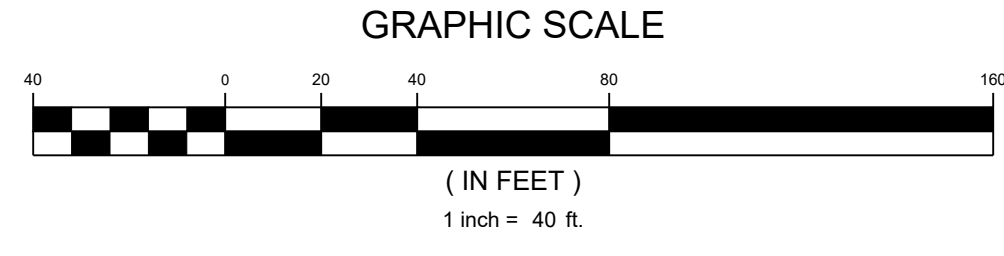
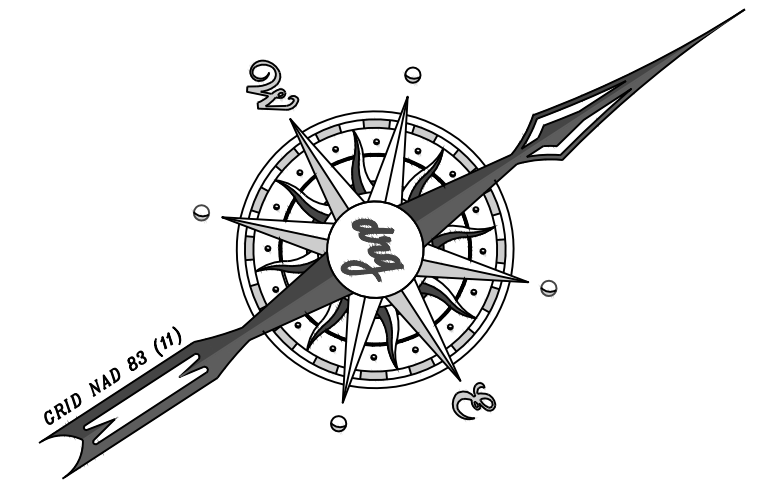
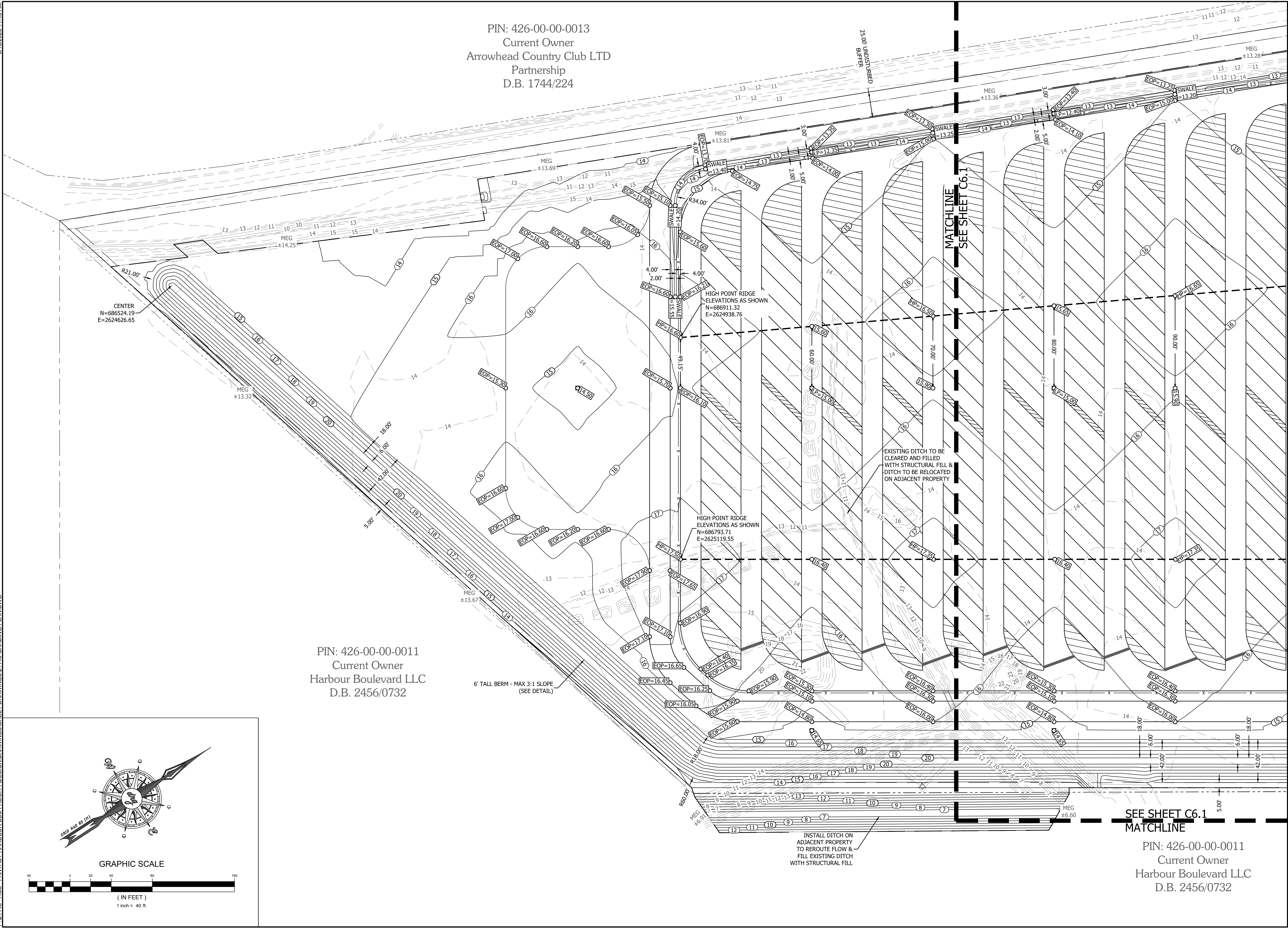
GRADING PLAN - 1
FANTASY HARBOUR BUS FACILITY

PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

PLANS FOR
CONSTRUCTION

JOB NO: 21.148
SCALE: 1" = 40'
DRAWN BY: PJC
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023
SHEET NUMBER:

C6.0



SEE SHEET C6.1
MATCHLINE

PIN: 426-00-00-0011
Current Owner
Harbour Boulevard LLC
D.B. 2456/0732

P:121148-HCS-FANTASY HARBOUR BUS FACILITY DESIGN DRAWINGS SHEET 1148 GRADING PLAN DWG

PIN: 426-00-00-0013
Current Owner
Arrowhead Country Club LTD
Partnership
D.B. 1744/224

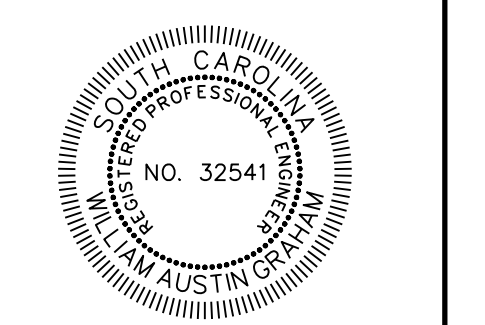
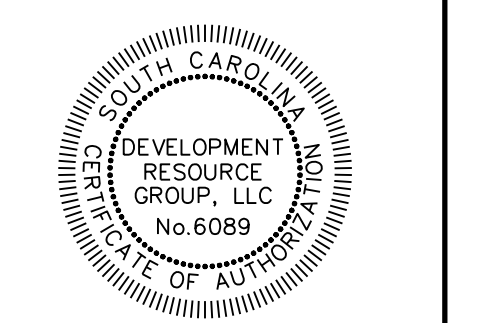
PIN: 426-00-00-0014
Current Owner
Newport Brookridge LLC

PIN: 426-09-02-0064
Current Owner
Maitland Properties
LLC

PIN: 426-09-02-0064
Current Owner
Thorn I
D.B.



DEVELOPMENT RESOURCE GROUP, LLC
4703 OLEANDER DRIVE
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



GRADING PLAN - 2
FANTASY HARBOUR BUS FACILITY
PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH
PLANS FOR
CONSTRUCTION

JOB NO: 21.148
SCALE: 1" = 40'
DRAWN BY: PJG
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023

SHEET NUMBER:

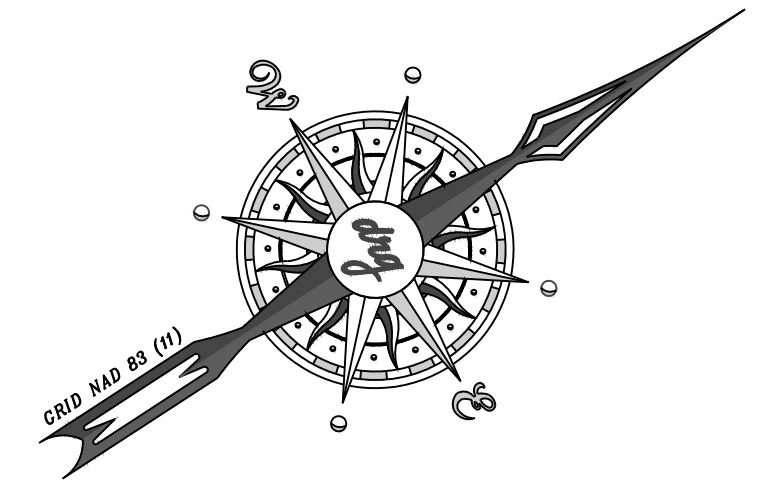
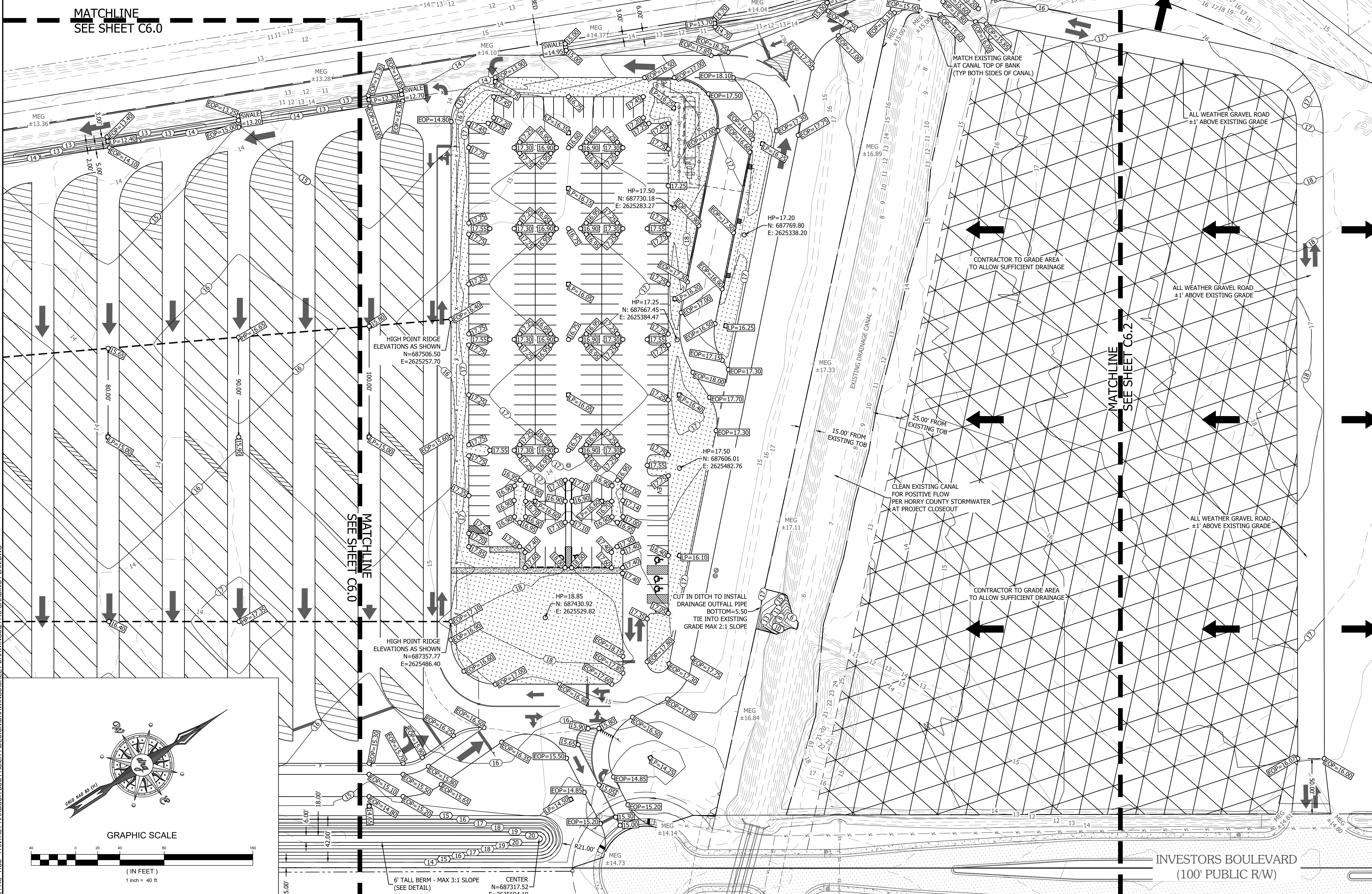
C6.1

MATCHLINE
SEE SHEET C6.0

MATCHLINE
SEE SHEET C6.0

MATCHLINE
SEE SHEET C6.2

INVESTORS BOULEVARD
(100' PUBLIC R/W)



6" TALL BERM - MAX 3:1 SLOPE
(SEE DETAIL)
CENTER
N=687317.52
E=2625694.19

CONTRACTOR TO GRADE AREA
TO ALLOW SUFFICIENT DRAINAGE

CONTRACTOR TO GRADE AREA
TO ALLOW SUFFICIENT DRAINAGE

CLEAN EXISTING CANAL
FOR POSITIVE FLOW
PER HORRY COUNTY STORMWATER
AT PROJECT CLOSEOUT

MATCH EXISTING GRADE
AT CANAL TOP OF BANK
(TYP BOTH SIDES OF CANAL)

REROUTE EXISTING DITCH
TO EXISTING CHANNEL
MAX 3:1 SIDE SLOPE

SEE SHEET C7.1 FOR
NEW BOX CULVERT

HIGH POINT RIDGE
ELEVATIONS AS SHOWN
N=687506.50
E=2625257.70

HIGH POINT RIDGE
ELEVATIONS AS SHOWN
N=687357.77
E=2625486.40

HP=17.50
N: 687730.18
E: 2625283.27

HP=17.20
N: 687769.80
E: 2625338.20

HP=17.25
N: 687667.45
E: 2625384.47

CUT IN DITCH TO INSTALL
DRAINAGE OUTFALL PIPE
BOTTOM=5.50
TIE INTO EXISTING
GRADE MAX 2:1 SLOPE

HP=18.85
N: 687430.92
E: 2625529.82

HP=17.50
N: 687606.01
E: 2625482.76

HP=18.85
N: 687430.92
E: 2625529.82

P:21148-HCS-FANTASY HARBOUR BUS FACILITY DESIGN DRAWINGS SHEET DRAWINGS 21148 GRADING PLAN DWG 3/15/2023 11:45 AM

PIN: 426-09-02-0038
Current Owner
Thorn Investments LLC
D.B. 3732/3325

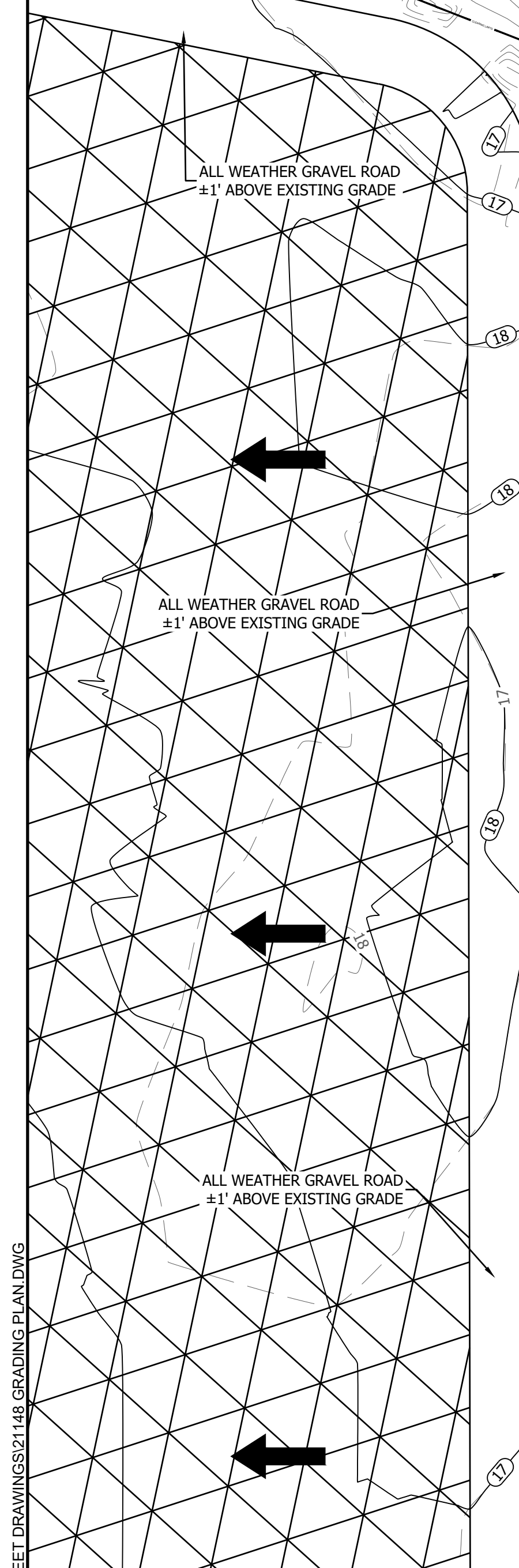
PIN: 426-10-01-0001
Current Owner
BDRMB LLC
D.B. 4289/1654

PIN: 426-10-01-0008
Current Owner
LMTM Properties III LLC
D.B. 3792/2406

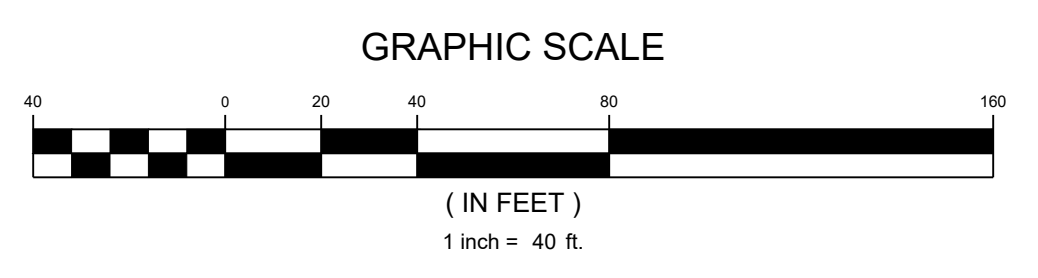
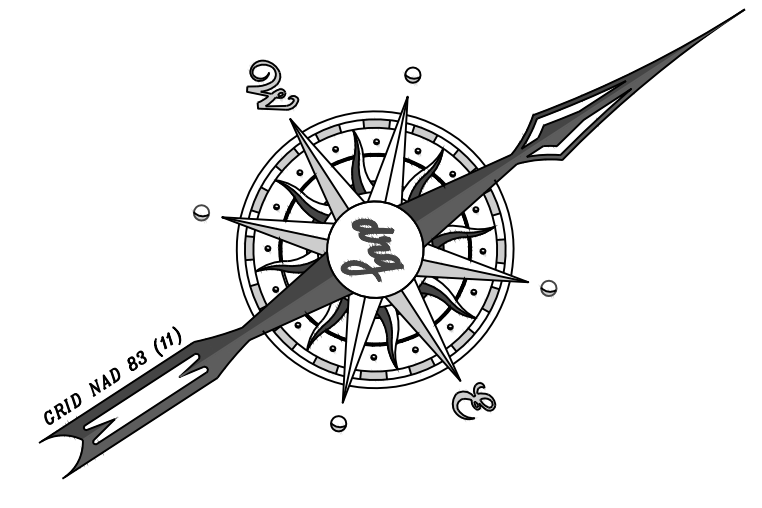
JACOB LANE

George Bishop Parkway
(Public Right-of-Way Varies)

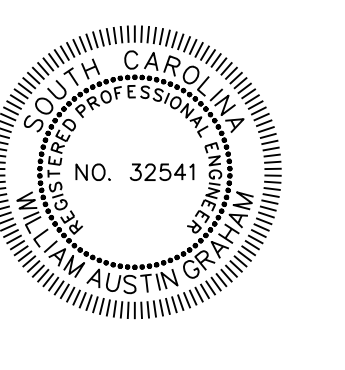
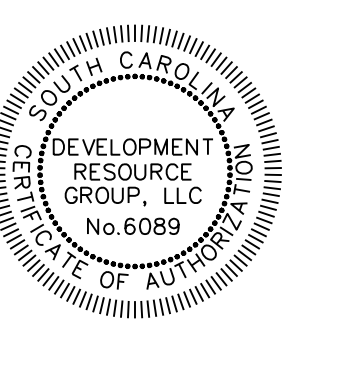
INVESTORS BOULEVARD
(100' PUBLIC R/W)



CLEAR AND GRUB ENTIRE SITE
NORTH-EAST OF THE EXISTING CHANNEL
CONTRACTOR TO GRADE TO ENSURE
EXISTING DITCHING IS SUFFICIENT
TO ALLOW PROPER DRAINAGE AND
ALLOW FOR FUTURE MAINTENANCE



DEVELOPMENT RESOURCE GROUP, LLC
4703 OLEANDER DRIVE
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



GRADING PLAN - 3
FANTASY HARBOUR BUS FACILITY

PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

PLANS FOR
CONSTRUCTION

JOB NO: 21.148
SCALE: 1" = 40'
DRAWN BY: PJC
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023

SHEET NUMBER:

C6.2

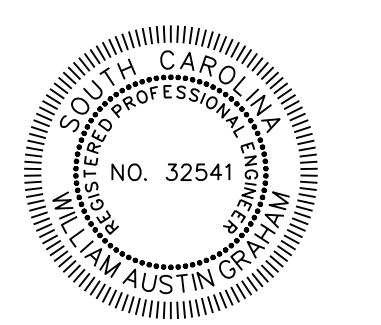
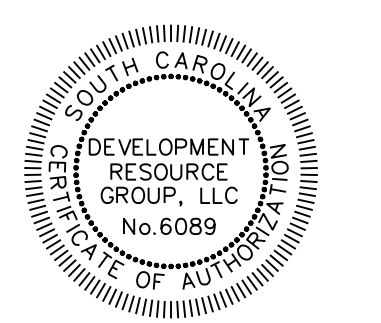
3/15/2023 11:45 AM
P:21148 - HCS - FANTASY HARBOUR BUS FACILITY DESIGN DRAWINGS SHEET DRAWINGS: 21148 GRADING PLAN.DWG

PIN: 426-00-00-0013
 Current Owner
 Arrowhead Country Club LTD
 Partnership
 D.B. 1744/224

Elevation Range	Volume of Fill [cf] (material added)	Volume of Cut [cf] (material removed)	Change in Net Storage [cf] (+/-)	Volume of Compensatory Storage Provided [cf]
12.00 - 13.00	1,290	2,087	797	-7,792
12.00 - 13.00	20,568	11,979	-8,589	-7,792
11.00 - 12.00	12,174	10,331	-1,843	-1,843
10.00 - 11.00	6,234	8,984	2,750	2,750
9.00 - 10.00	4,645	7,036	2,391	2,391
8.00 - 9.00	3,210	5,389	2,179	2,179
7.00 - 8.00	982	3,741	2,759	2,759
6.00 - 7.00	0	2,094	2,094	2,094
TOTAL	49,103	51,641	2,538	2,538



DEVELOPMENT RESOURCE GROUP, LLC
 4703 OLEANDER DRIVE
 MYRTLE BEACH, SC 29577
 843-839-3350 | DRGPLLC.COM

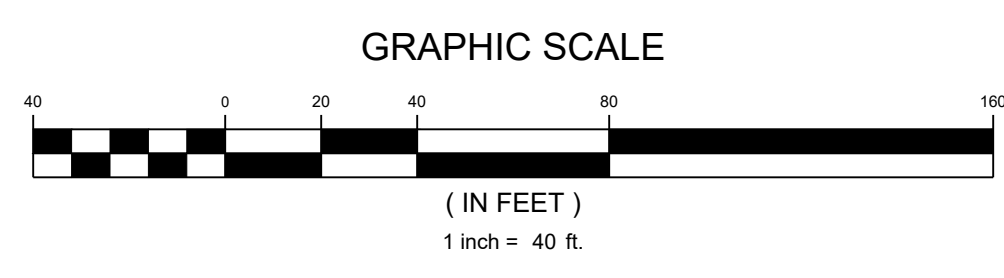
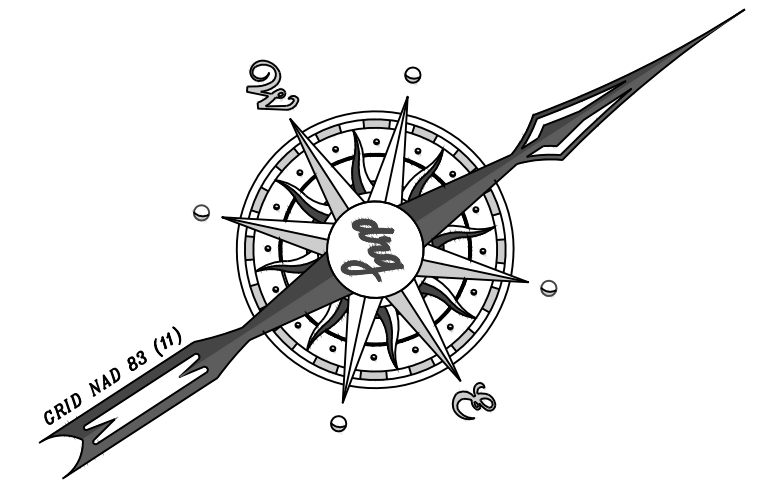


COMPENSATORY STORAGE
 FANTASY HARBOUR BUS FACILITY

PREPARED FOR:
 Horry County Schools
 335 FOUR MILE ROAD
 CONWAY, SC 29526
 JOE BURCH

**PLANS FOR
 CONSTRUCTION**

PIN: 426-00-00-0011
 Current Owner
 Harbour Boulevard LLC
 D.B. 2456/0732



PIN: 426-00-00-0011
 Current Owner
 Harbour Boulevard LLC
 D.B. 2456/0732

JOB NO: 21.148
 SCALE: 1" = 40'
 DRAWN BY: PJC
 CHECKED BY: WAG
 APPROVED BY: WAG
 DATE: 03/15/2023

SHEET NUMBER:

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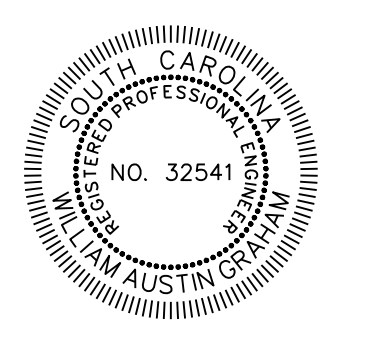
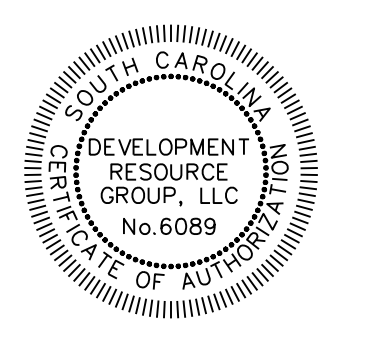
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PIN: 426-00-00-0013
Current Owner
Arrowhead Country Club LTD
Partnership
D.B. 1744/224

PIN: 426-00-00-0011
Current Owner
Harbour Boulevard LLC
D.B. 2456/0732



DEVELOPMENT RESOURCE GROUP, LLC
4703 OLEANDER DRIVE
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



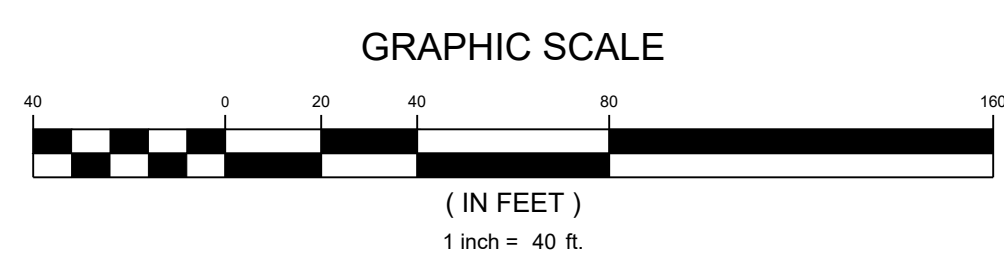
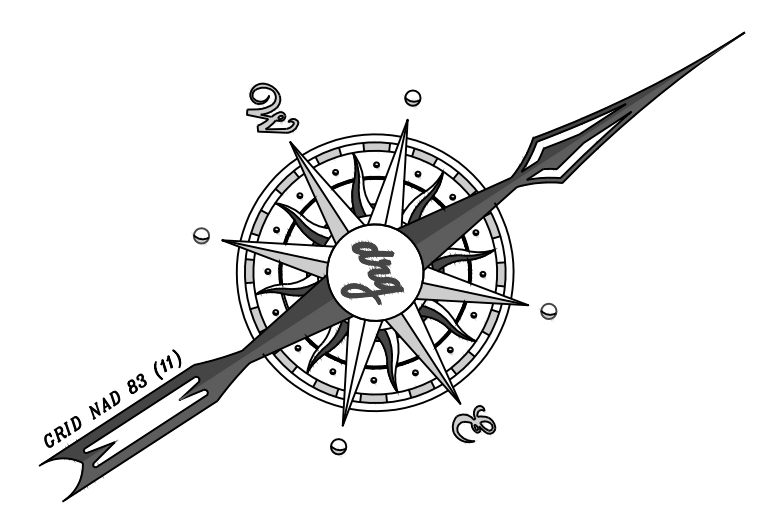
DRAINAGE PLAN - 1
FANTASY HARBOUR BUS FACILITY

PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

PLANS FOR
CONSTRUCTION

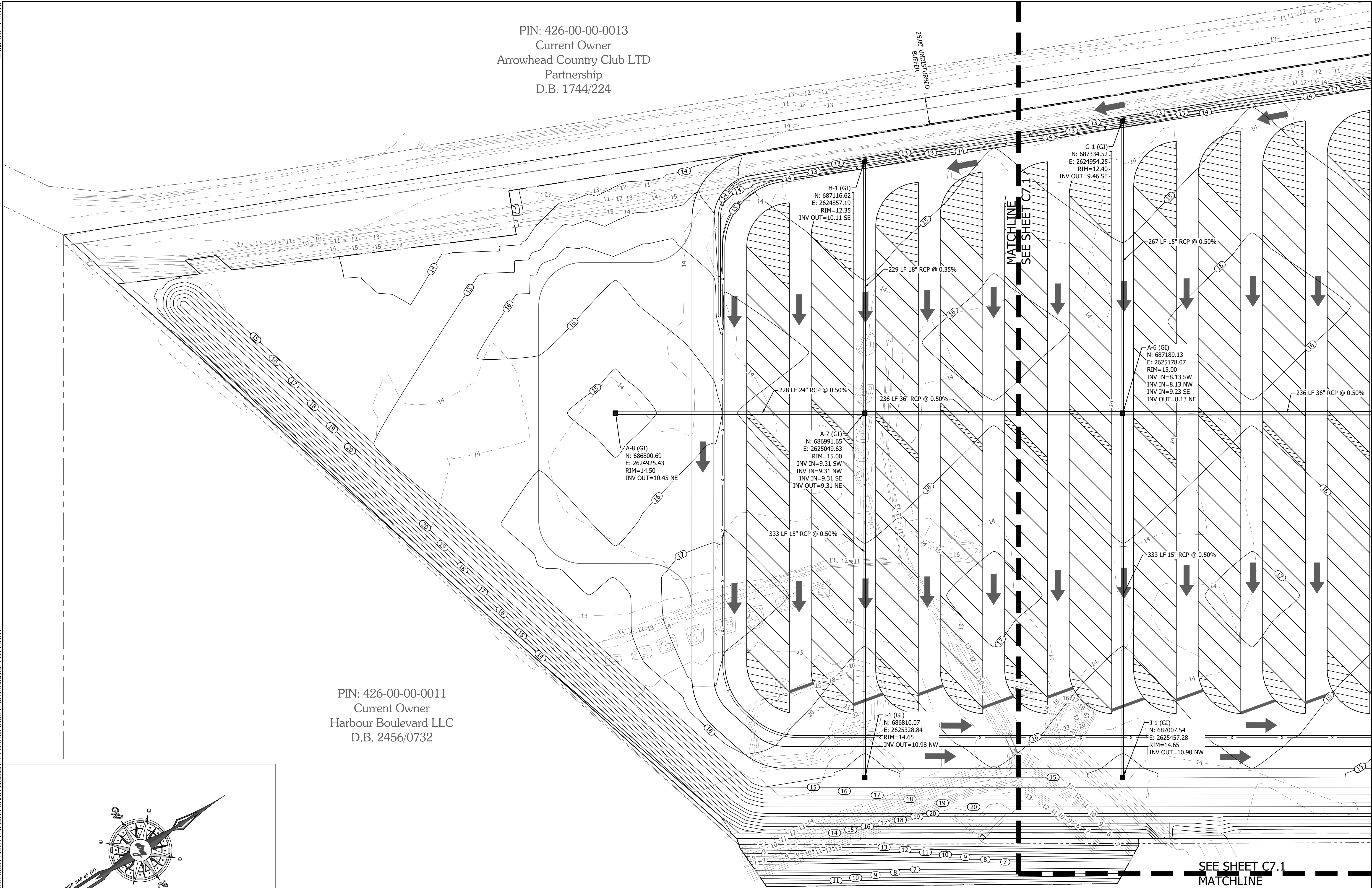
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CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023
SHEET NUMBER:

C7.0



SEE SHEET C7.1
MATCHLINE

PIN: 426-00-00-0011
Current Owner
Harbour Boulevard LLC
D.B. 2456/0732



P:121148-HCS-FANTASY HARBOUR BUS FACILITY DESIGN DRAWINGS SHEET DRAWINGS: 21148 DRAINAGE PLAN.DWG 3/15/2023 11:46 AM

PIN: 426-00-00-0013
Current Owner
Arrowhead Country Club LTD
Partnership
D.B. 1744/224

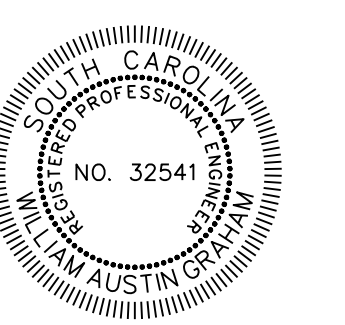
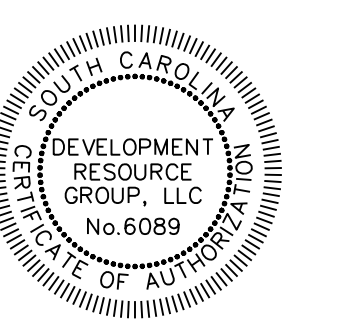
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Current Owner
Newport Brookridge LLC

PIN: 426-09-02-0064
Current Owner
Maitland Properties
LLC

PIN: 426-09-02-0064
Current Owner
Thorn I
D.B.



DEVELOPMENT RESOURCE GROUP, LLC
4703 OLEANDER DRIVE
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



DRAINAGE PLAN - 2
FANTASY HARBOUR BUS FACILITY

PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

PLANS FOR
CONSTRUCTION

JOB NO: 21.148
SCALE: 1" = 40'
DRAWN BY: PJC
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023

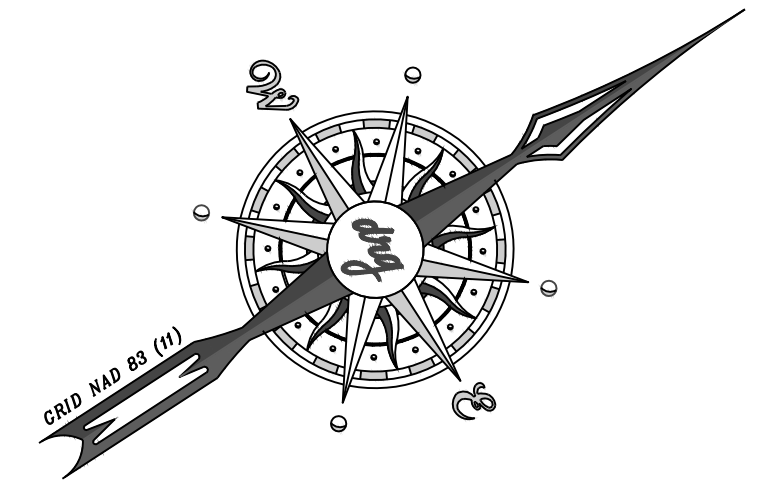
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MATCHLINE
SEE SHEET C7.0

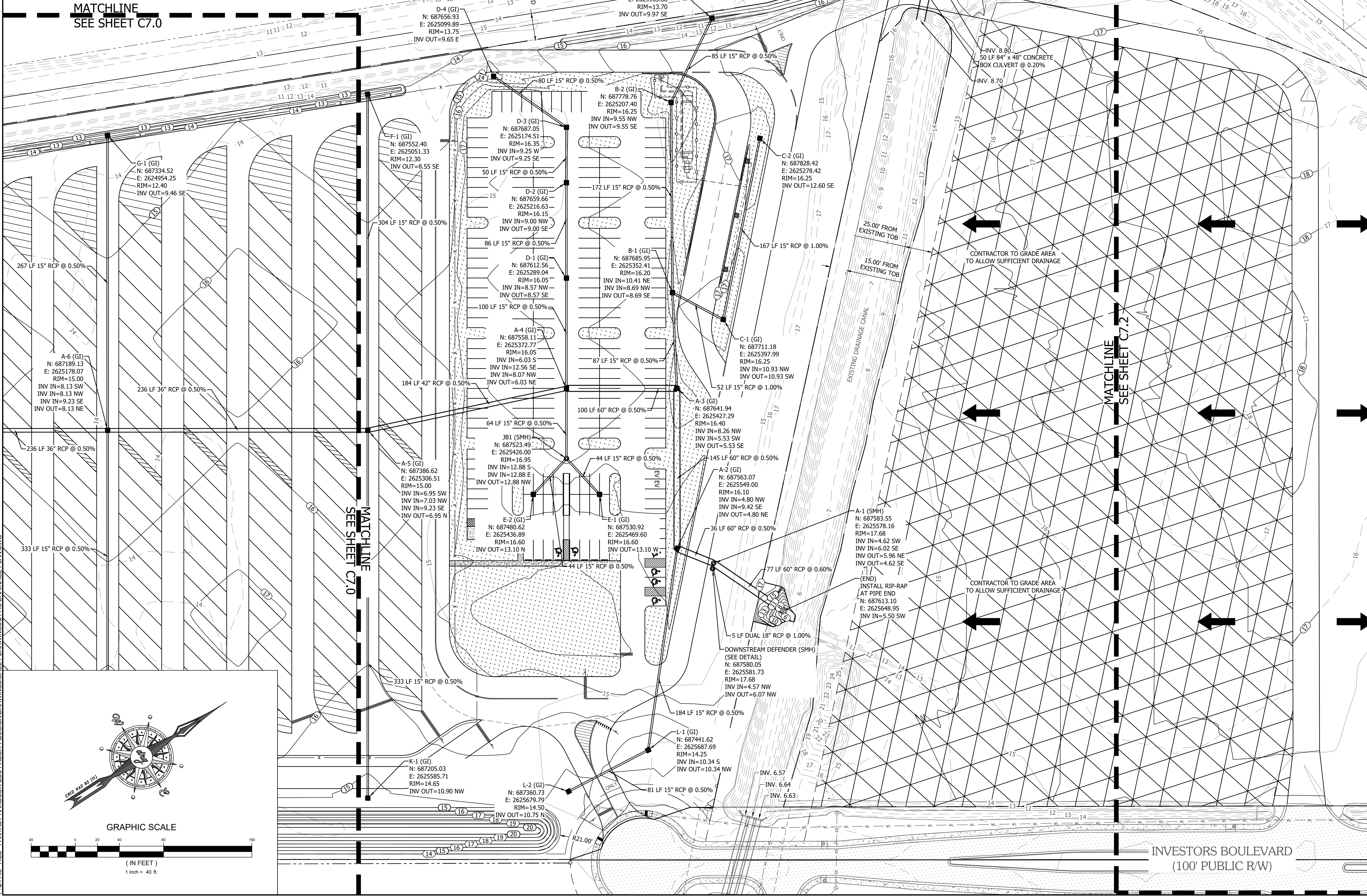
MATCHLINE
SEE SHEET C7.2

MATCHLINE
SEE SHEET C7.0



GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.



CONTRACTOR TO GRADE AREA
TO ALLOW SUFFICIENT DRAINAGE

CONTRACTOR TO GRADE AREA
TO ALLOW SUFFICIENT DRAINAGE

25.00' FROM
EXISTING TOB

15.00' FROM
EXISTING TOB

EXISTING DRAINAGE CANAL

(END)
INSTALL RIP-RAP
AT PIPE END

DOWNSTREAM DEFENDER (SMH)
(SEE DETAIL)

INVESTORS BOULEVARD
(100' PUBLIC R/W)

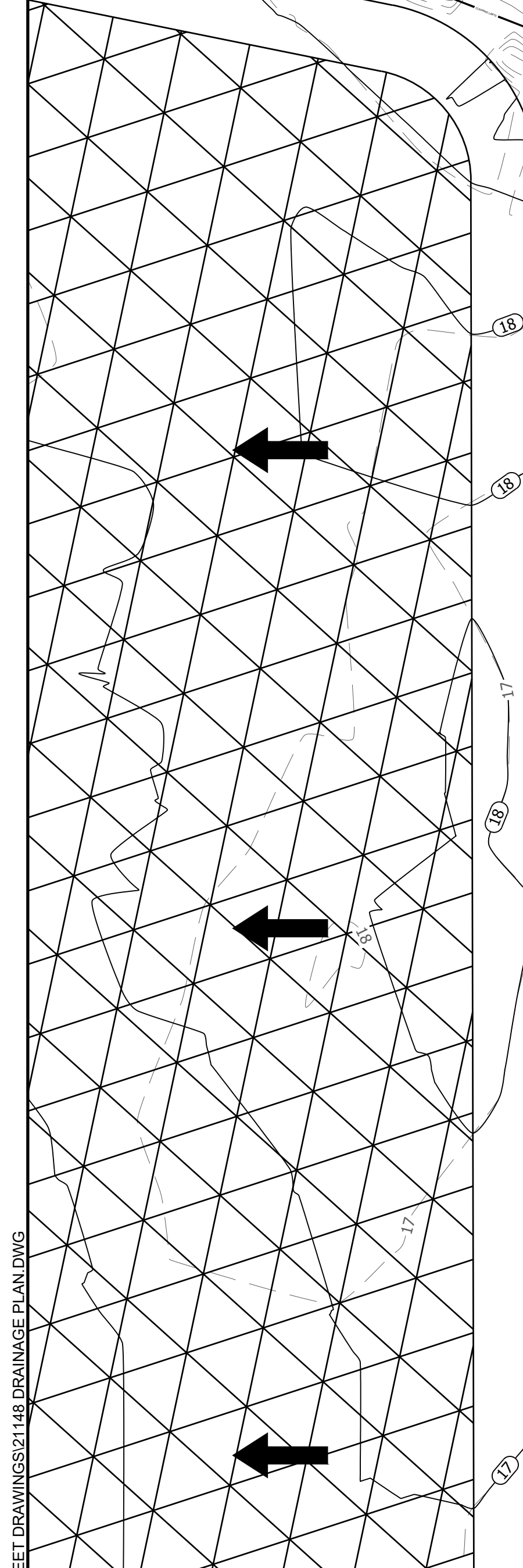
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PIN: 426-09-02-0064
Current Owner
Maitland Properties LLC

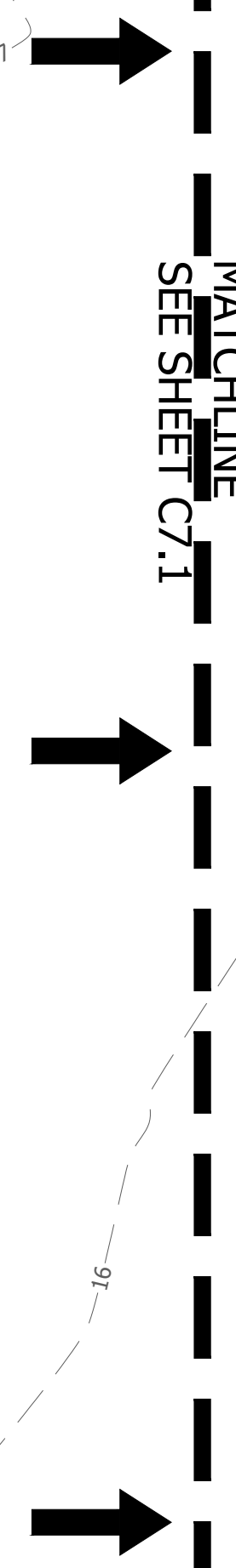
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Current Owner
Thorn Investments LLC
D.B. 3732/3325

PIN: 426-10-01-0001
Current Owner
BDRMB LLC
D.B. 4289/1654

PIN: 426-10-01-0008
Current Owner
LMTM Properties III LLC
D.B. 3792/2406



MATCHLINE
SEE SHEET C7.1

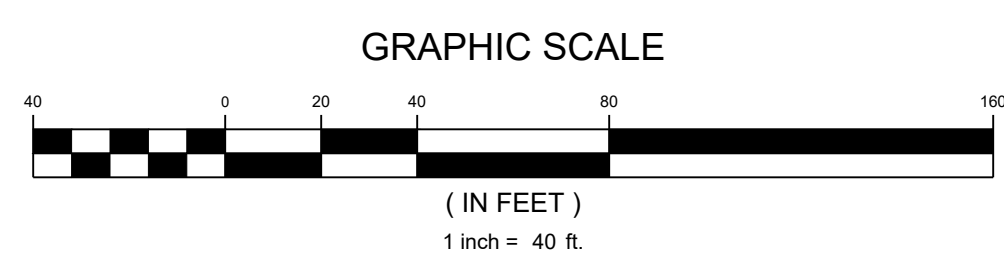
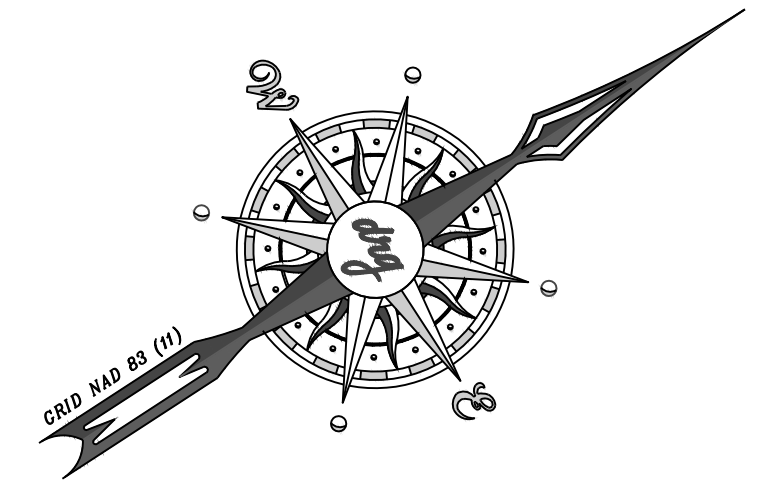


CLEAR AND GRUB ENTIRE SITE
NORTH-EAST OF THE EXISTING CHANNEL
CONTRACTOR TO GRADE TO ENSURE
EXISTING DITCHING IS SUFFICIENT
TO ALLOW PROPER DRAINAGE AND
ALLOW FOR FUTURE MAINTENANCE

JACOB LANE

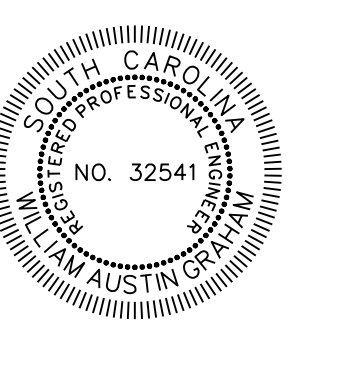
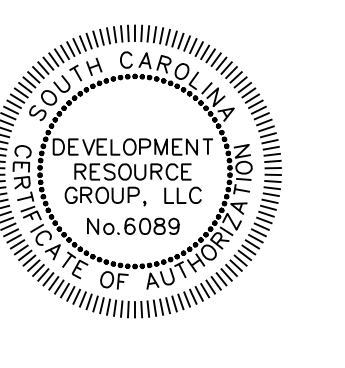
George Bishop Parkway
(Public Right-of-Way Varies)

INVESTORS BOULEVARD
(100' PUBLIC R/W)



drq

DEVELOPMENT RESOURCE GROUP, LLC
4703 OLEANDER DRIVE
MYRTLE BEACH, SC 29577
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DRAINAGE PLAN - 3
FANTASY HARBOUR BUS FACILITY

PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

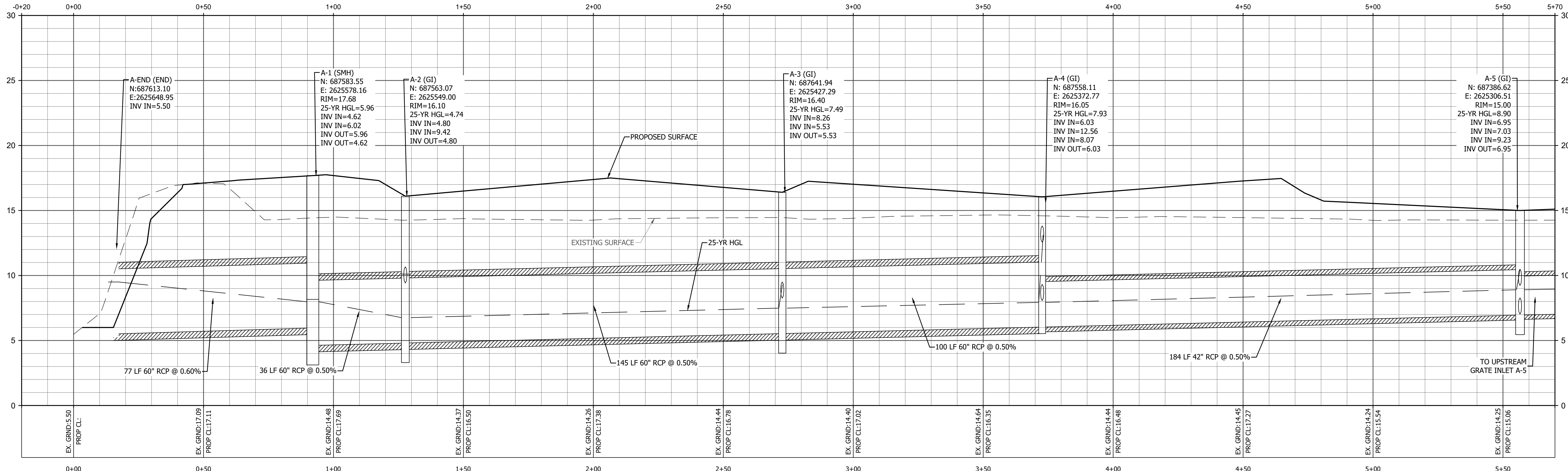
**PLANS FOR
CONSTRUCTION**

JOB NO: 21.148
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DRAWN BY: PJC
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023

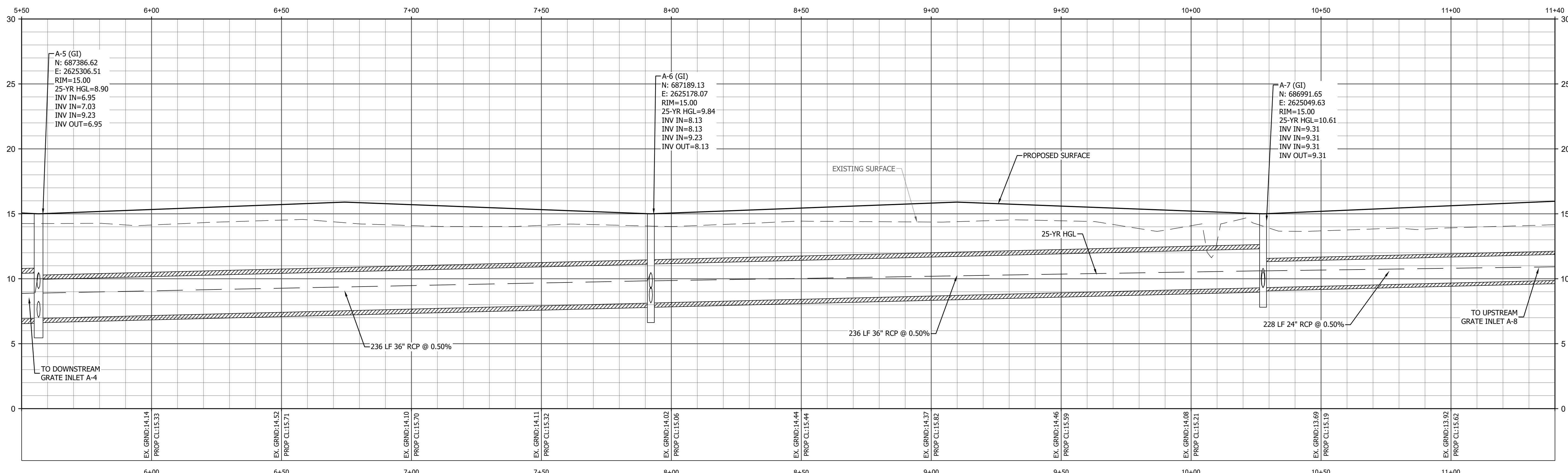
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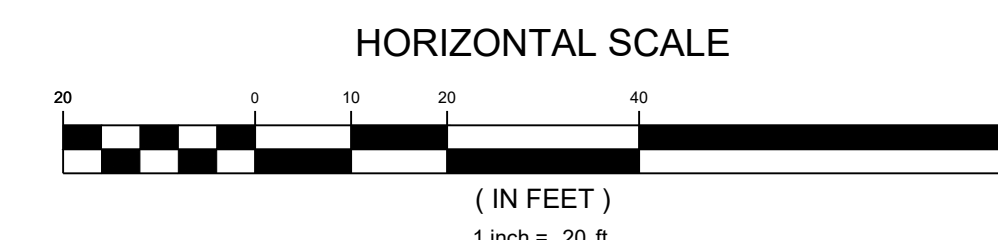
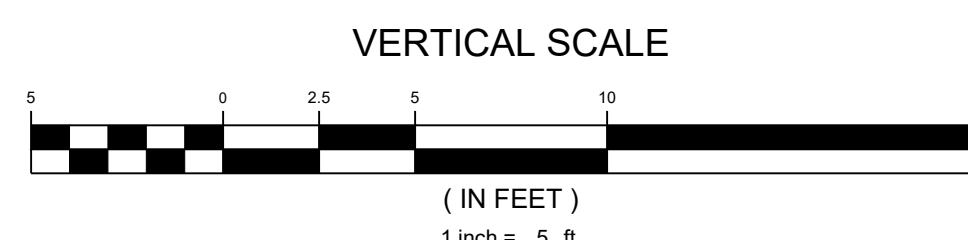
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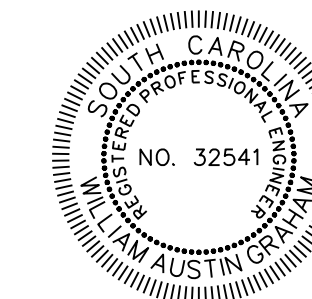
STORM A - 1



STORM A - 2



DEVELOPMENT RESOURCE GROUP, LLC
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STORM PROFILES - 1
FANTASY HARBOUR BUS FACILITY

PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

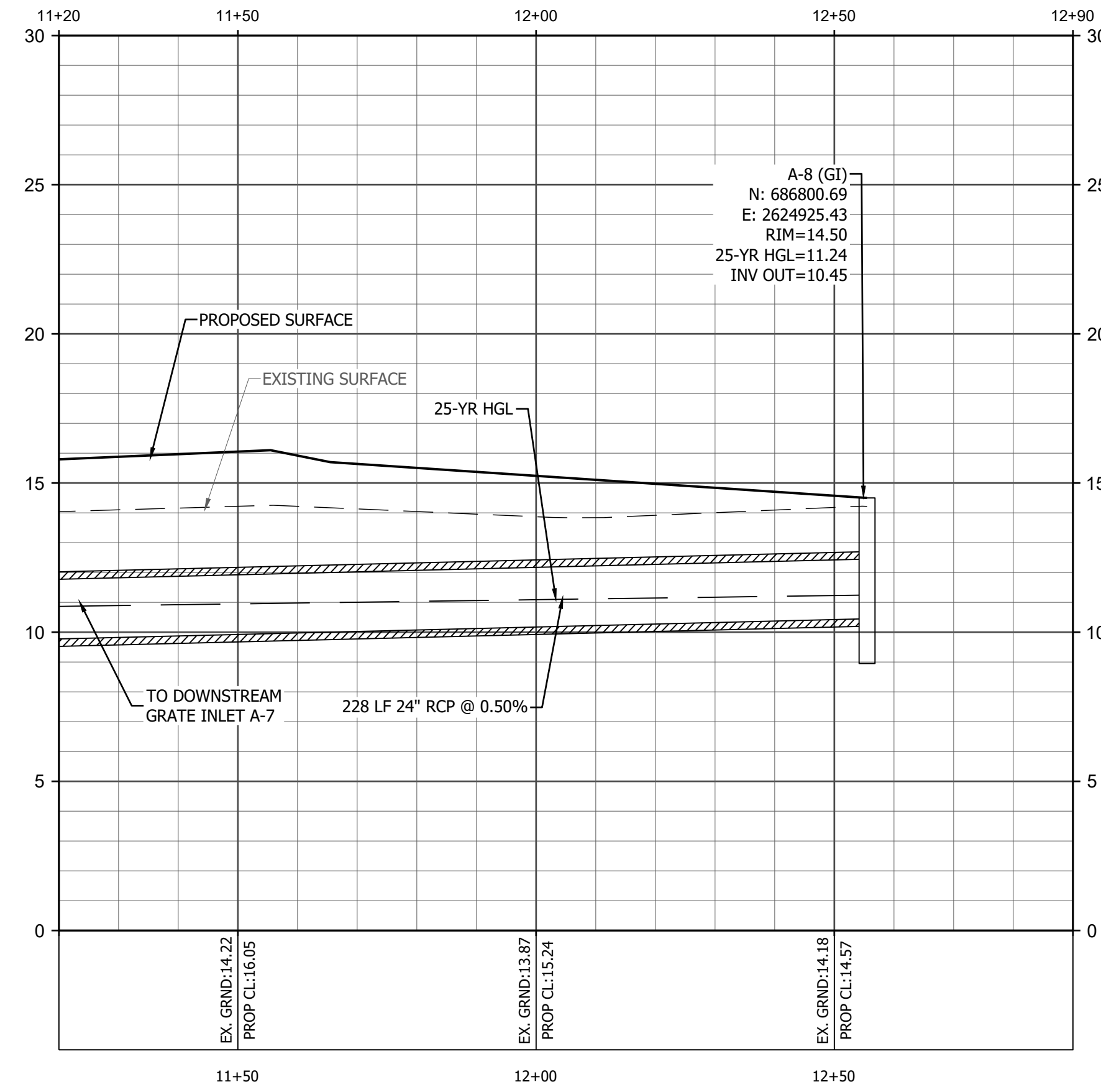
PLANS FOR
CONSTRUCTION

JOB NO: 21.148
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CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023

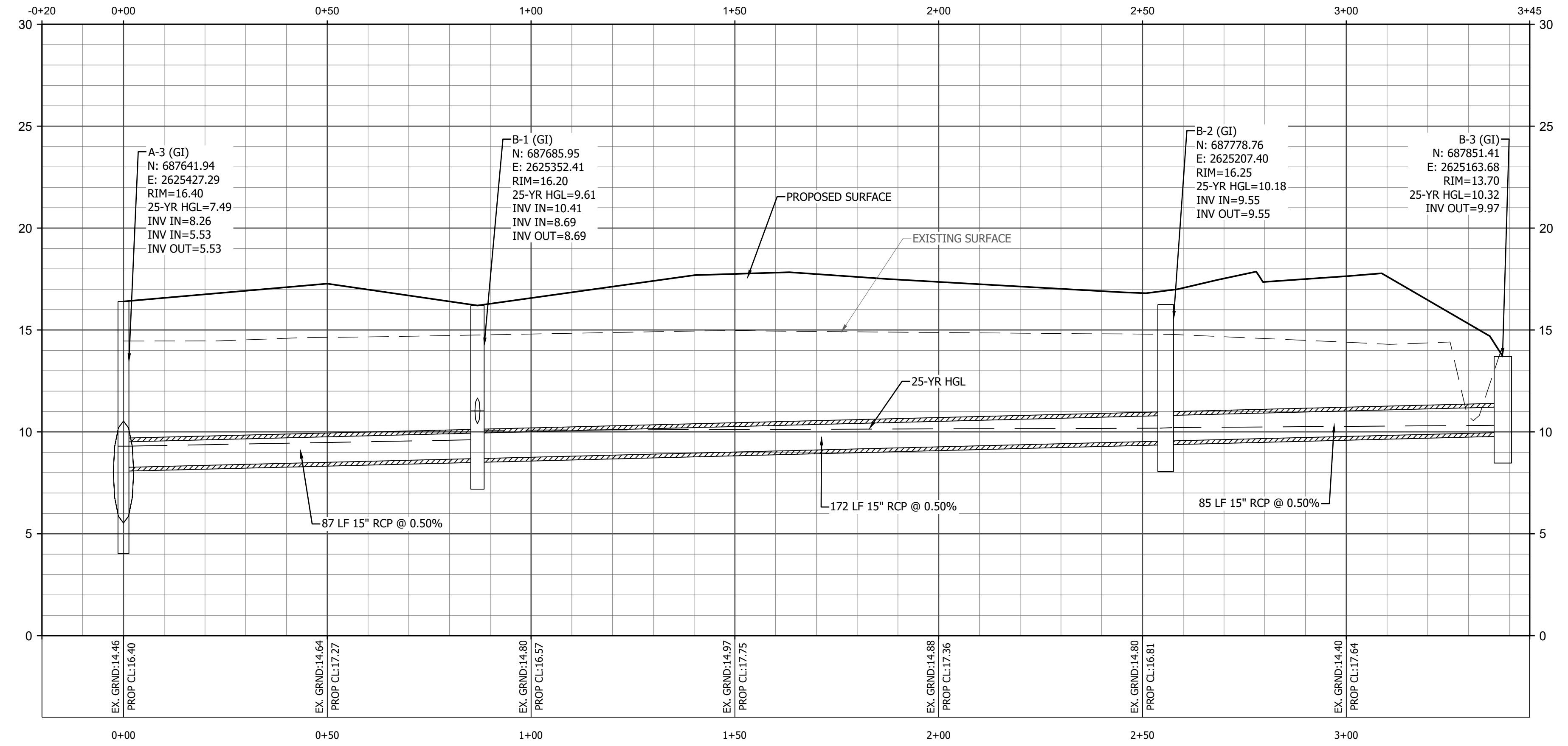
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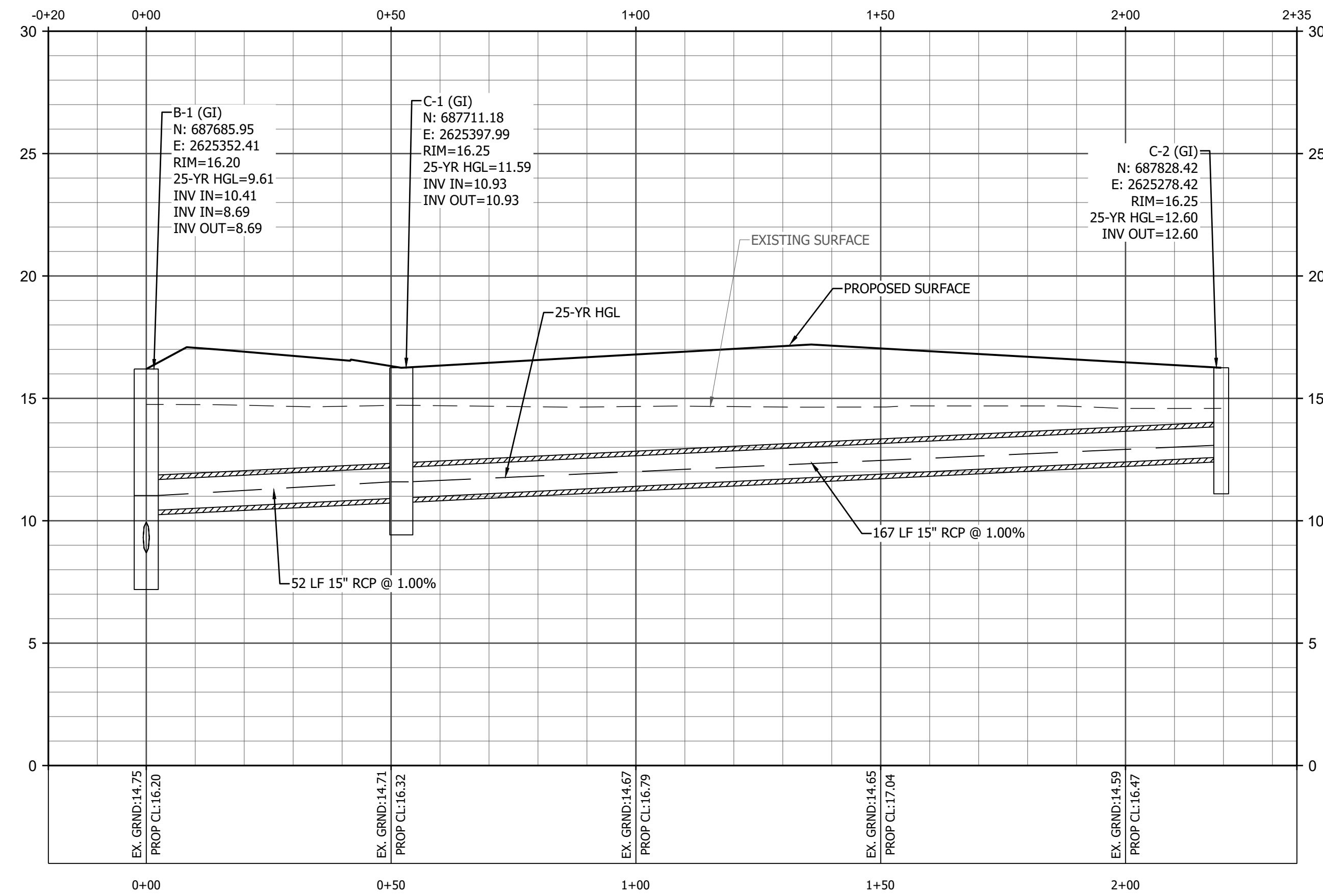
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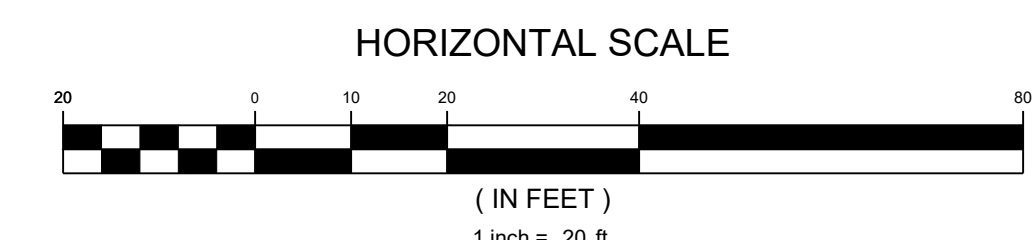
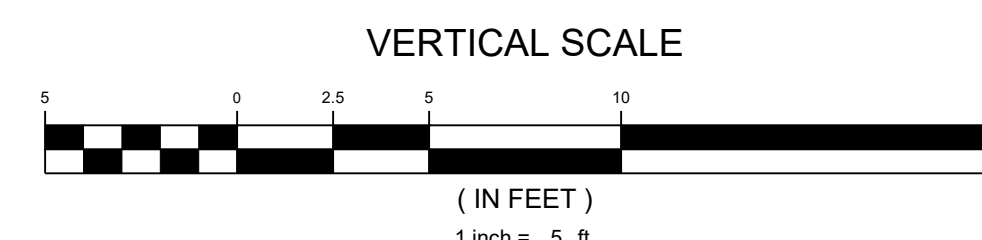
STORM A - 3



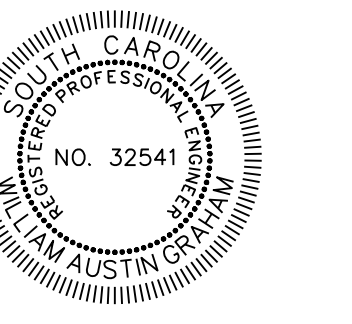
STORM B



STORM C



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STORM PROFILES - 2
FANTASY HARBOUR BUS FACILITY

PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

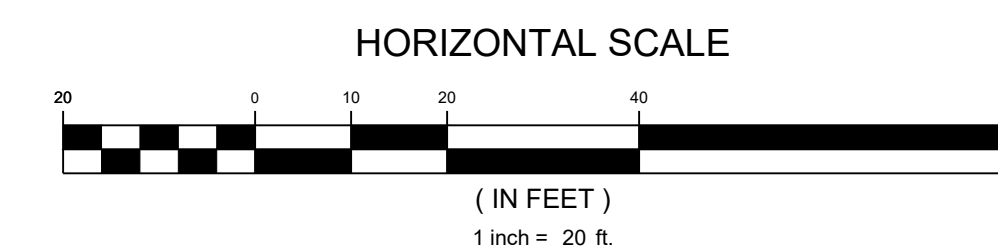
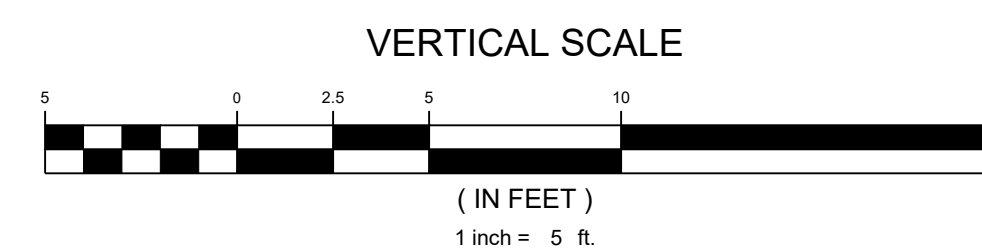
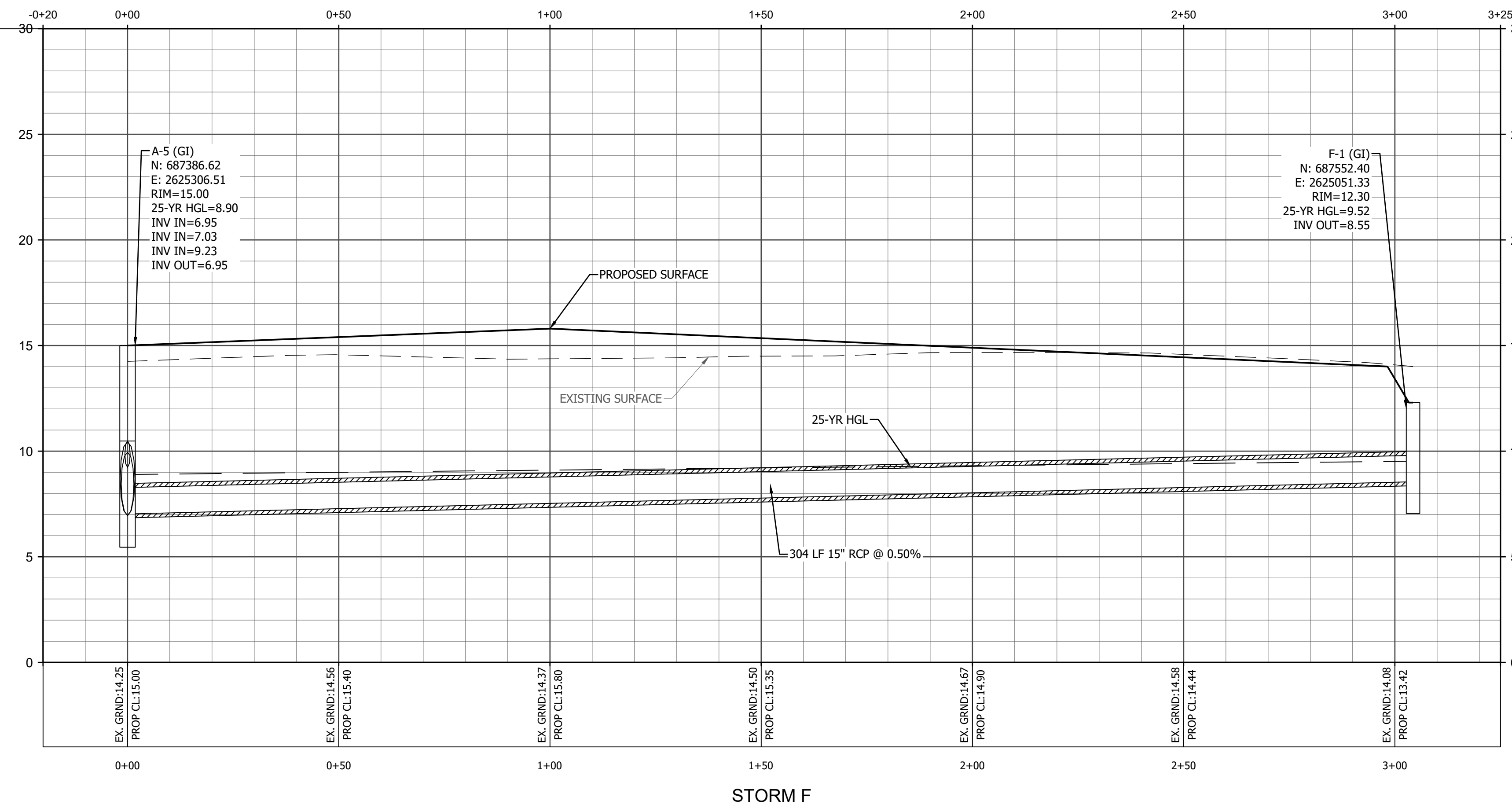
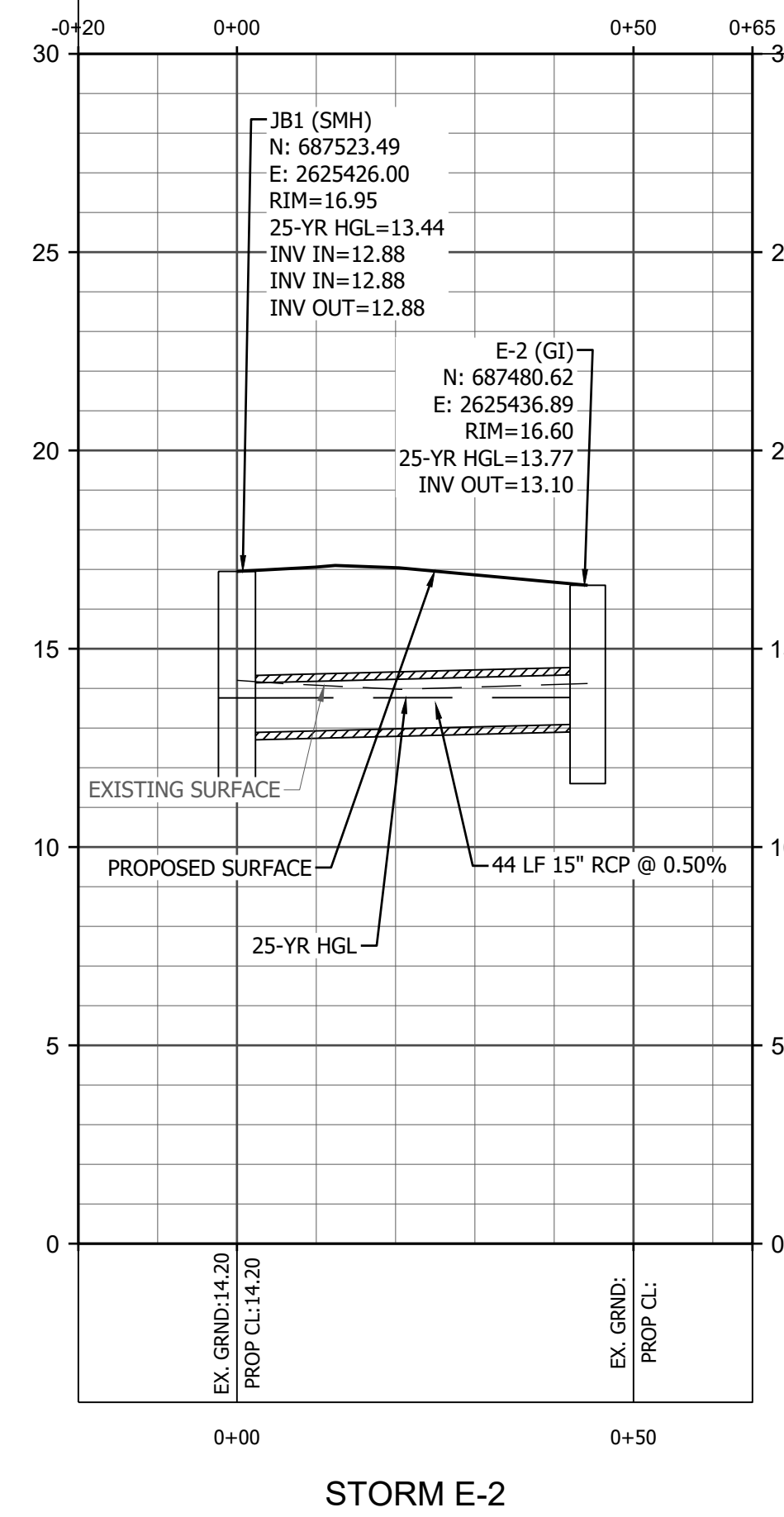
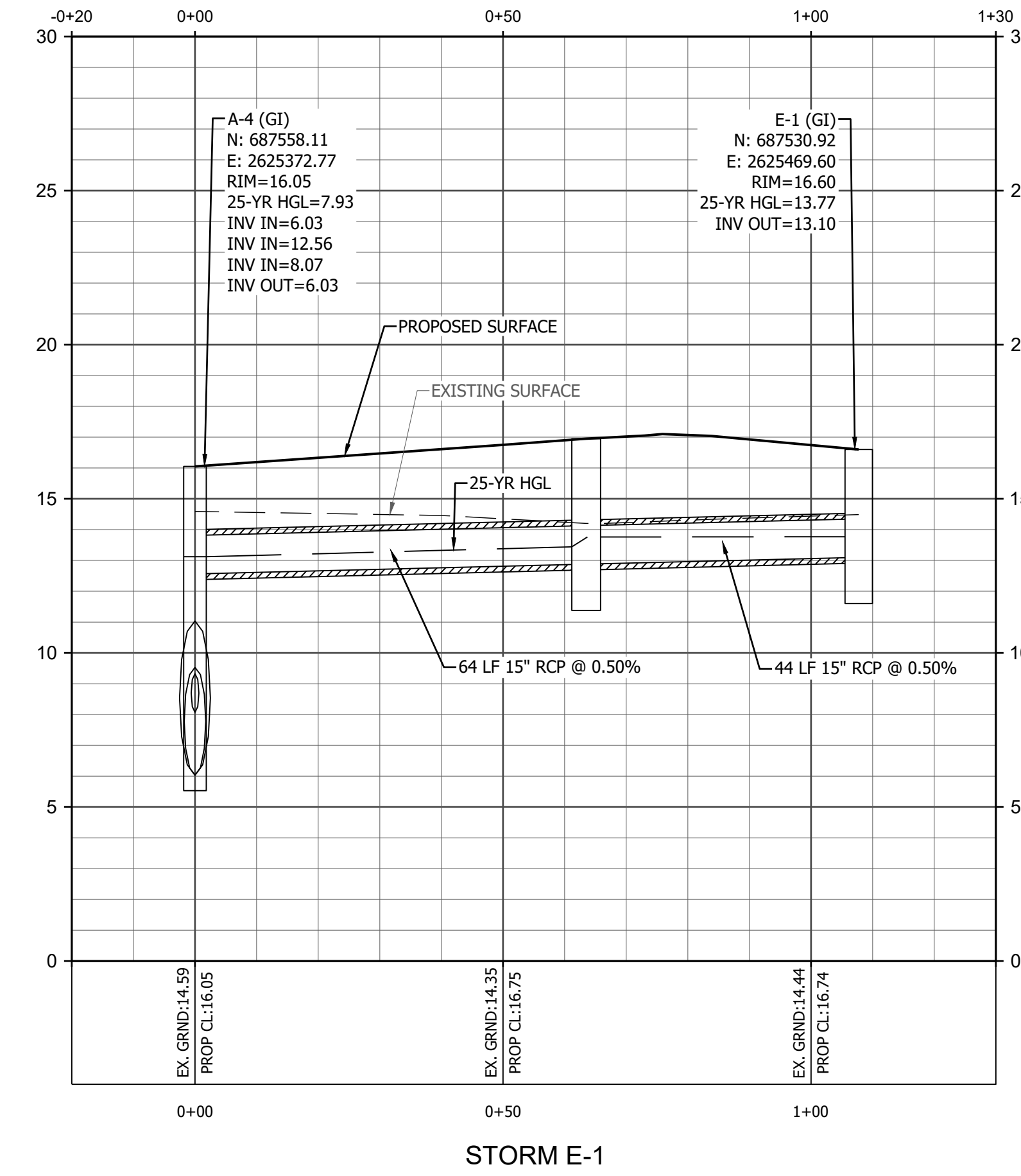
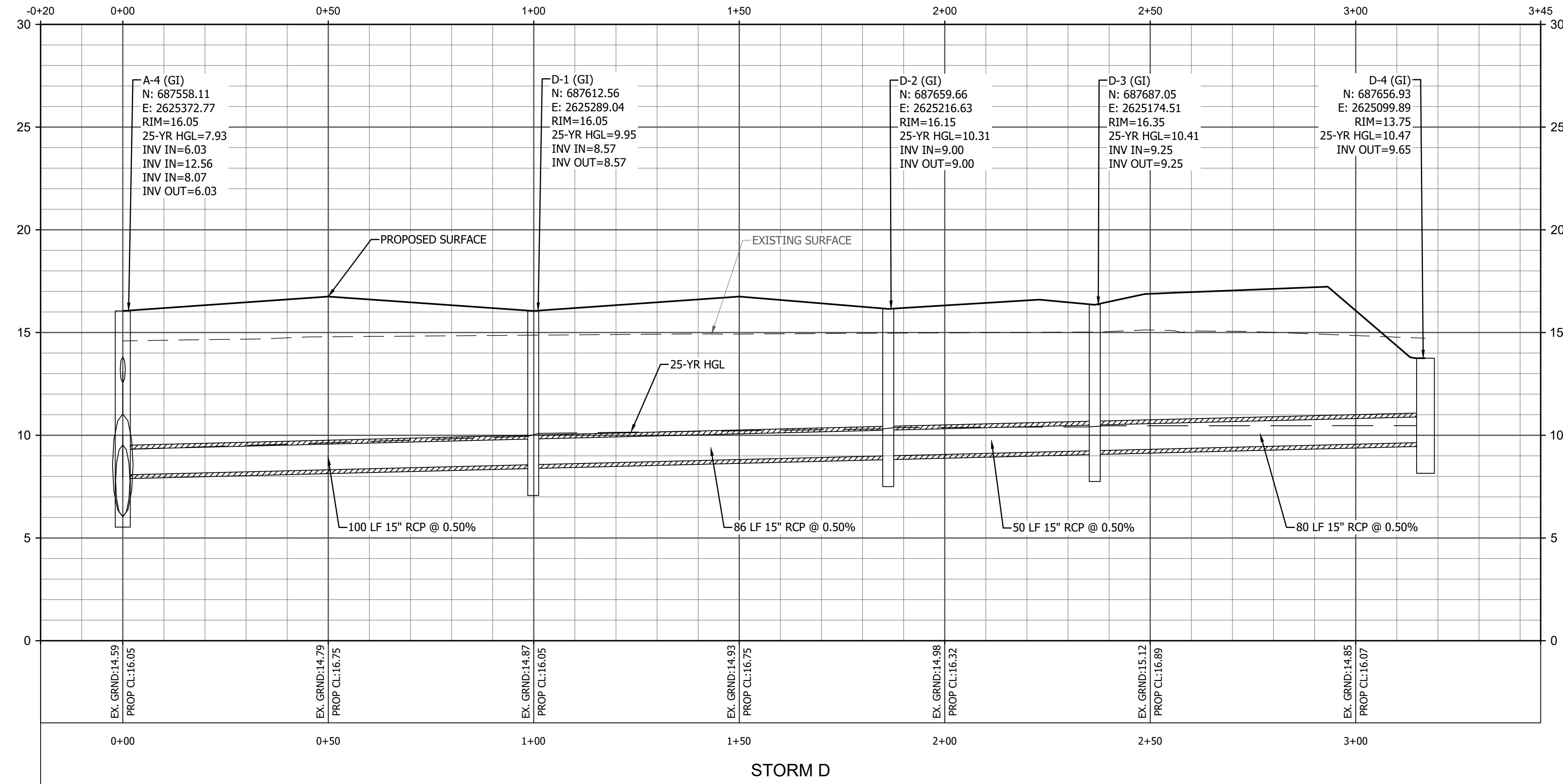
PLANS FOR
CONSTRUCTION

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DATE:	03/15/2023

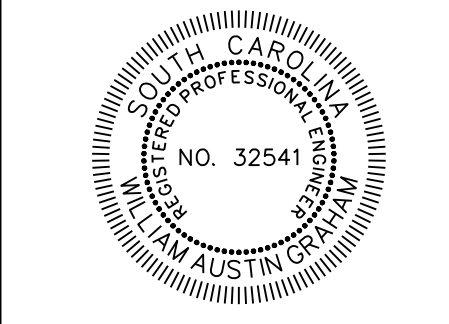
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STORM PROFILES - 3
FANTASY HARBOUR BUS FACILITY

PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

PLANS FOR CONSTRUCTION

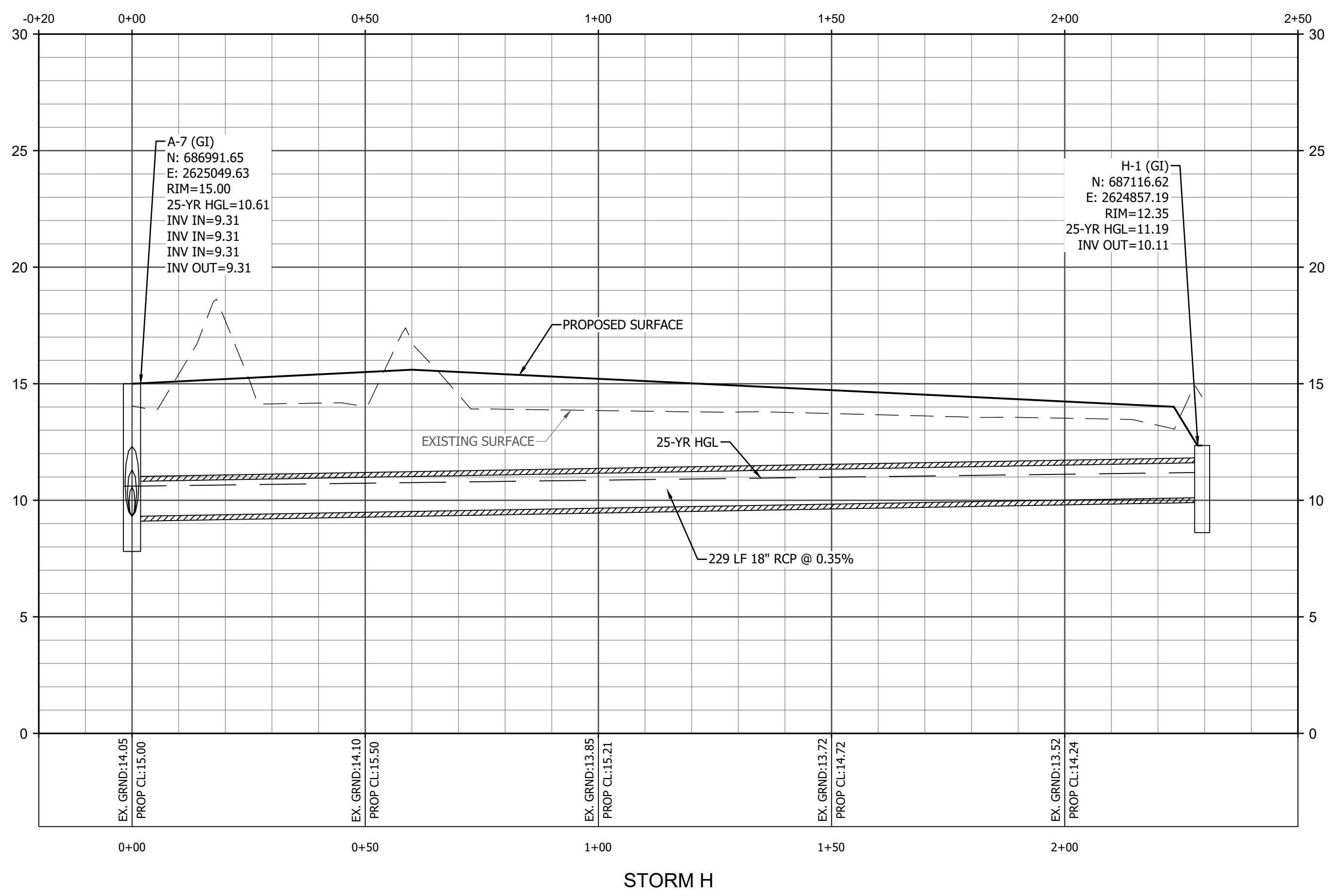
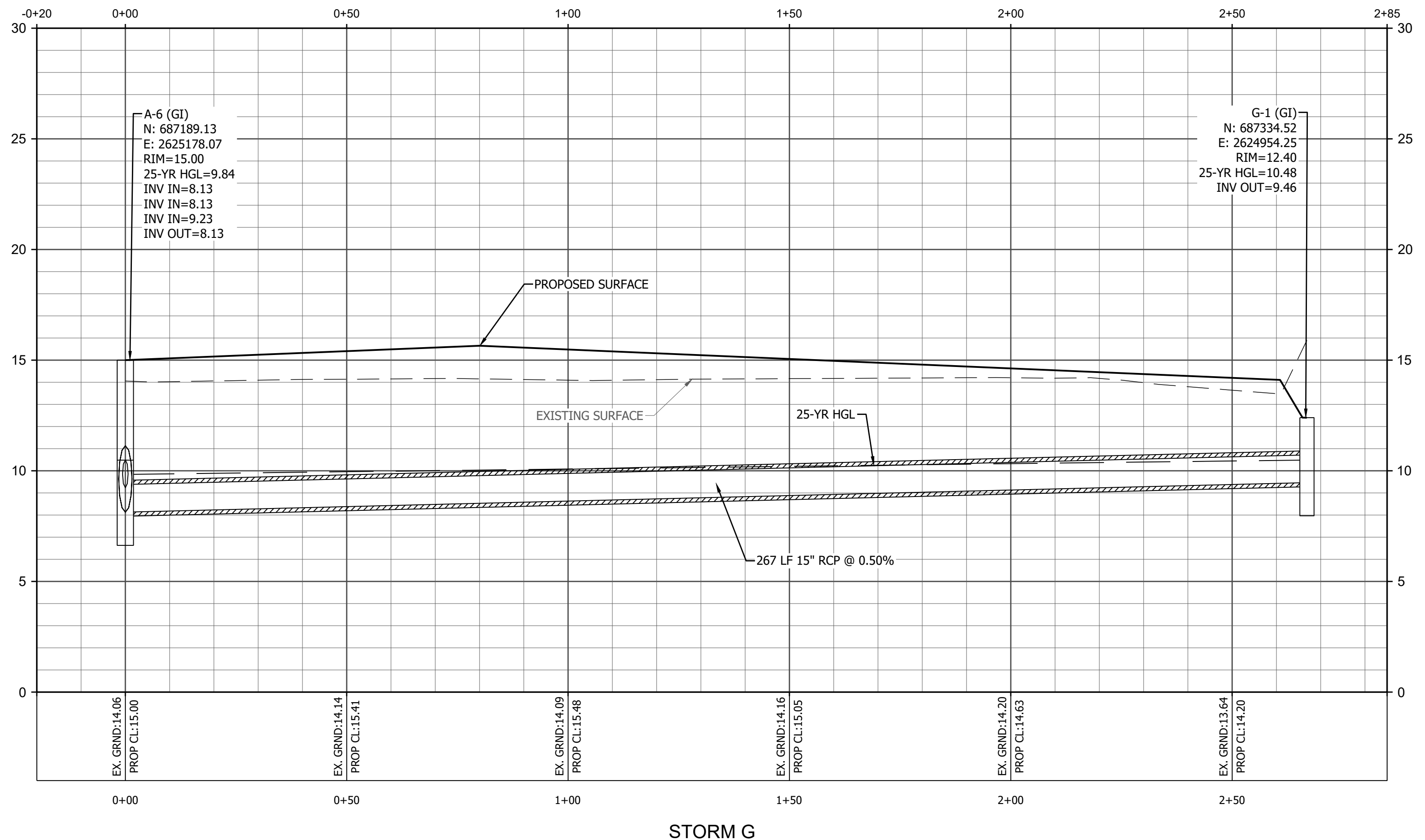
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DATE: 03/15/2023

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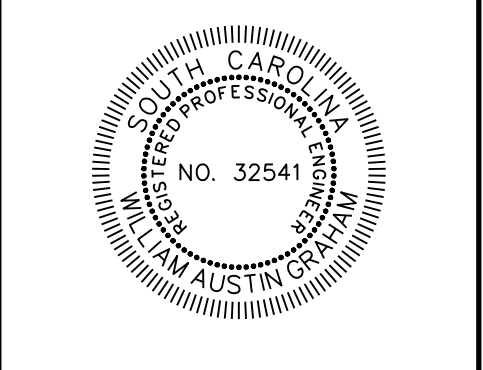
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P:21148 - HCS - FANTASY HARBOUR BUS FACILITY DESIGN DRAWINGS SHEET DRAWINGS 21148 PROFILES.DWG



DEVELOPMENT RESOURCE GROUP, LLC
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STORM PROFILES - 4

FANTASY HARBOUR BUS FACILITY

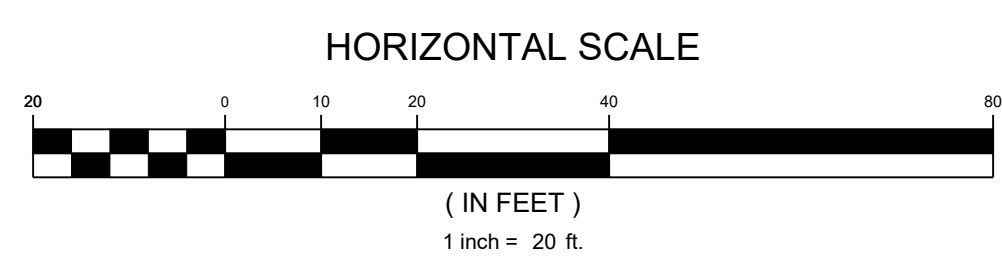
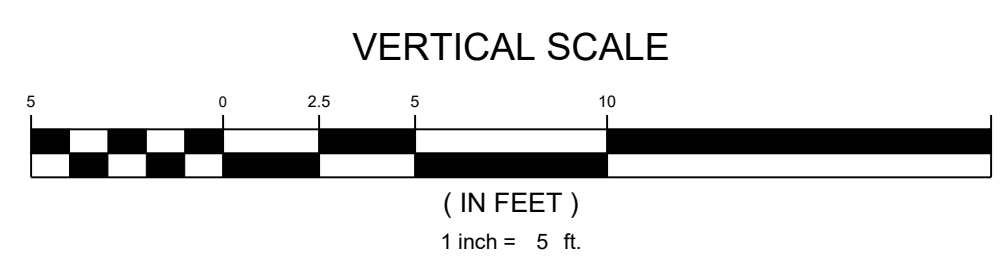
PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

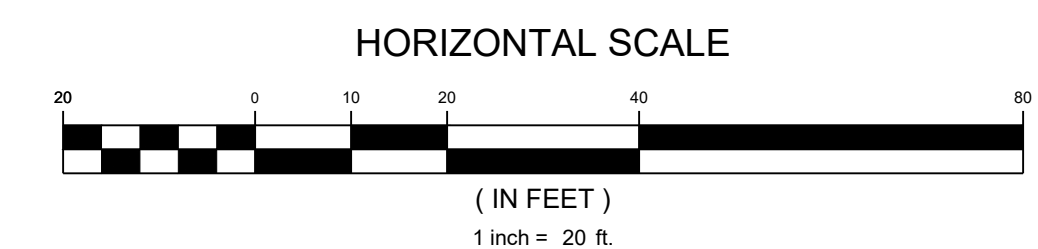
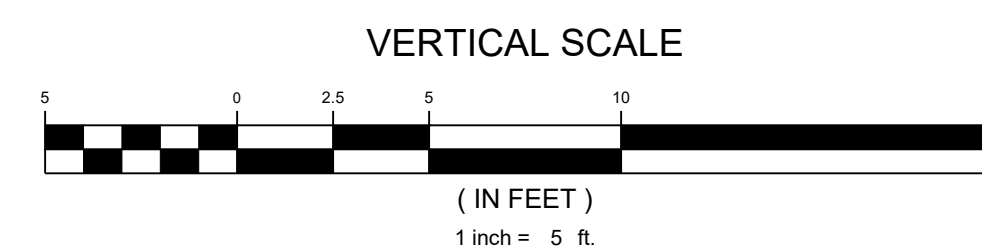
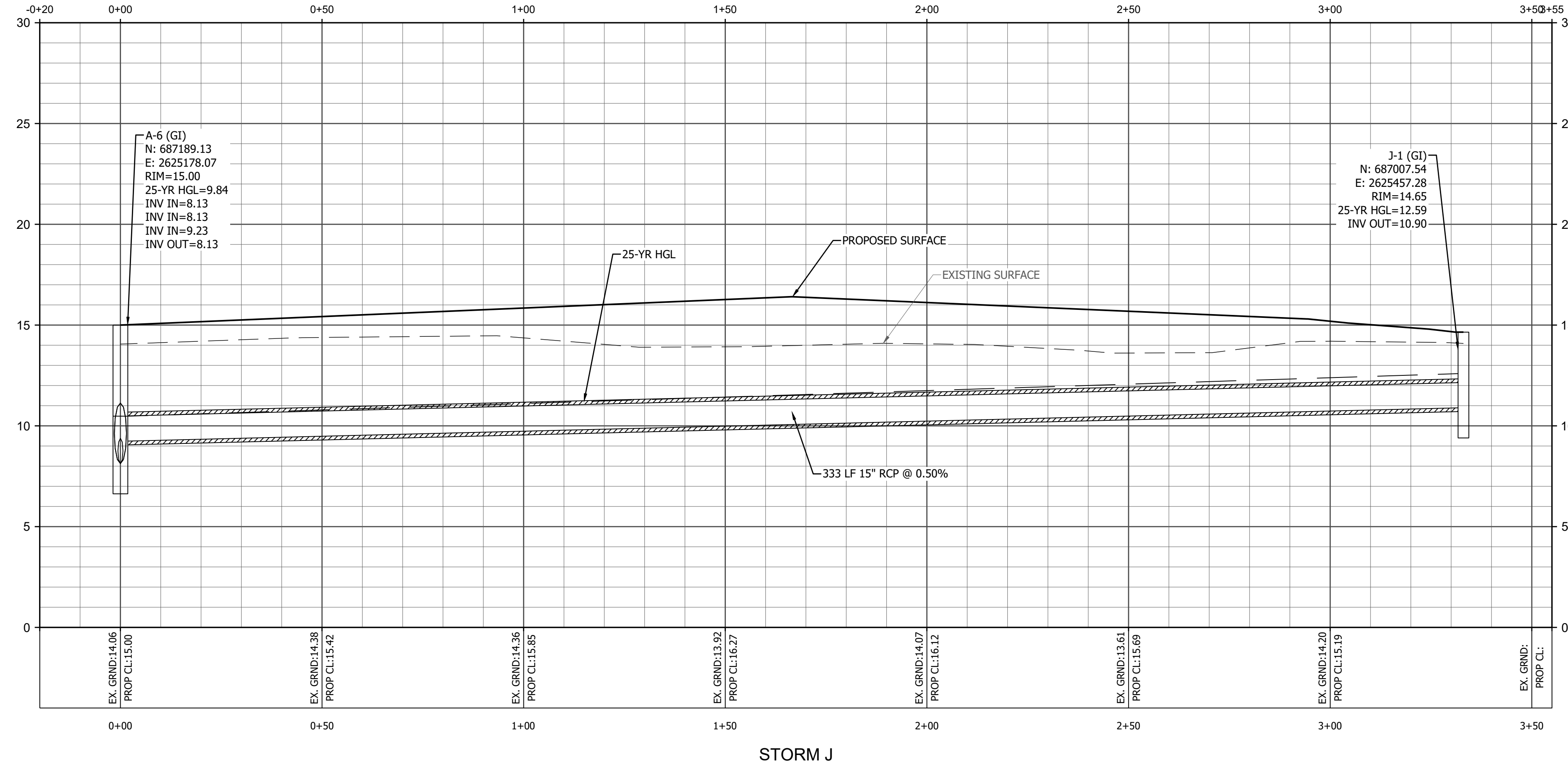
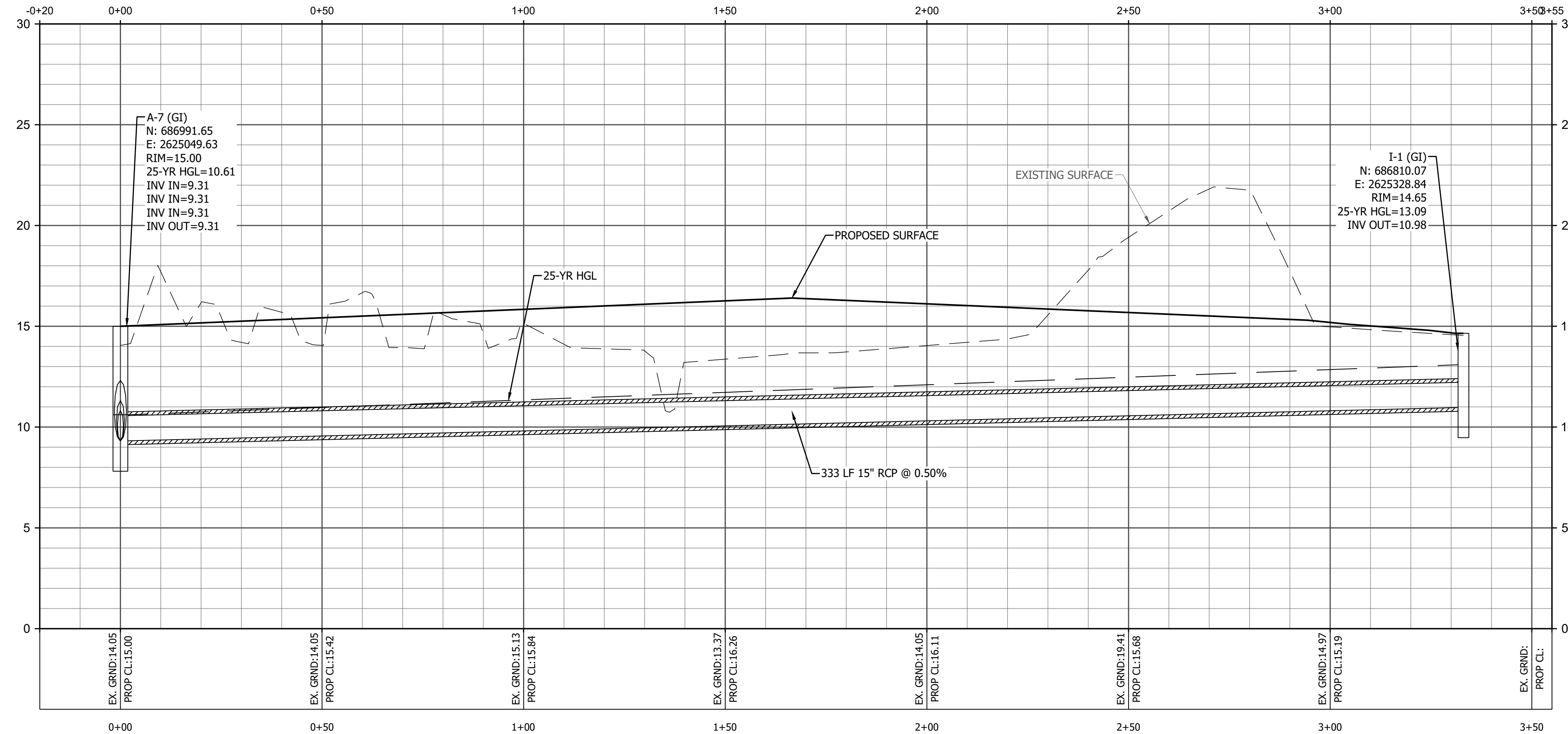
PLANS FOR CONSTRUCTION

JOB NO: 21.148
SCALE: AS SHOWN
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DATE: 03/15/2023

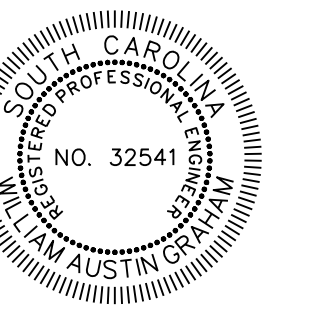
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DEVELOPMENT RESOURCE GROUP, LLC
 4703 OLEANDER DRIVE
 MYRTLE BEACH, SC 29577
 843-839-3350 | DRGPLLC.COM



STORM PROFILES - 5
FANTASY HARBOUR BUS FACILITY

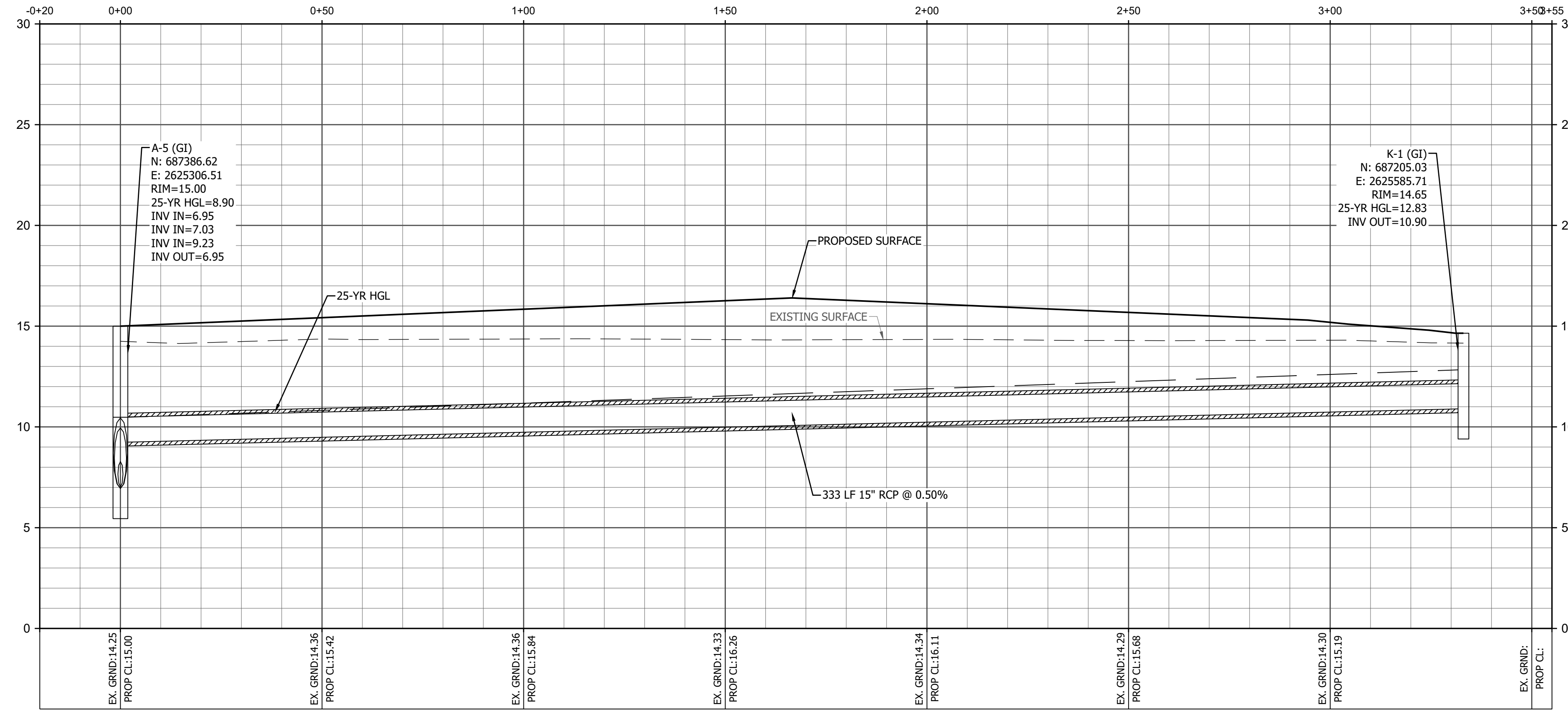
PREPARED FOR:
 Horry County Schools
 335 FOUR MILE ROAD
 CONWAY, SC 29526
 JOE BURCH

PLANS FOR CONSTRUCTION

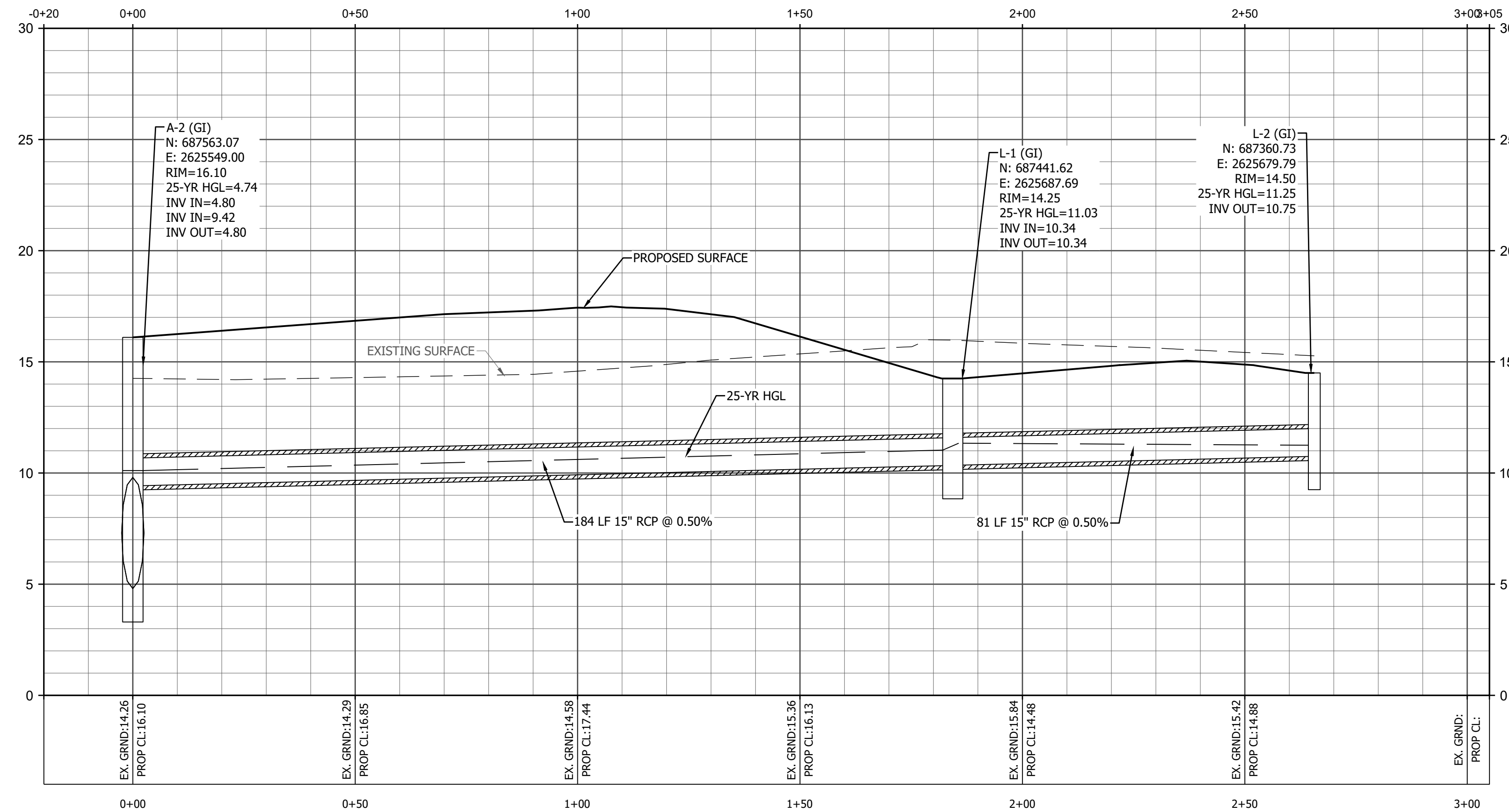
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 DATE: 03/15/2023

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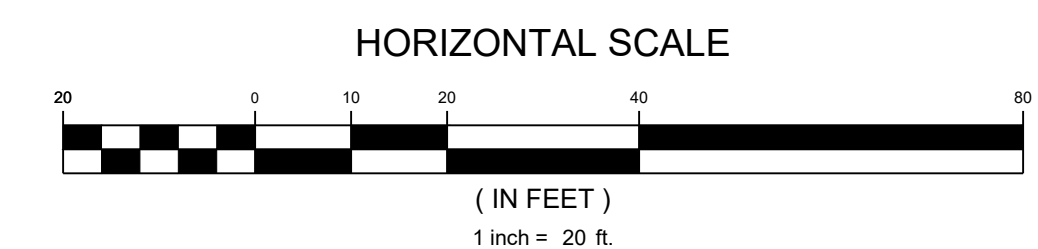
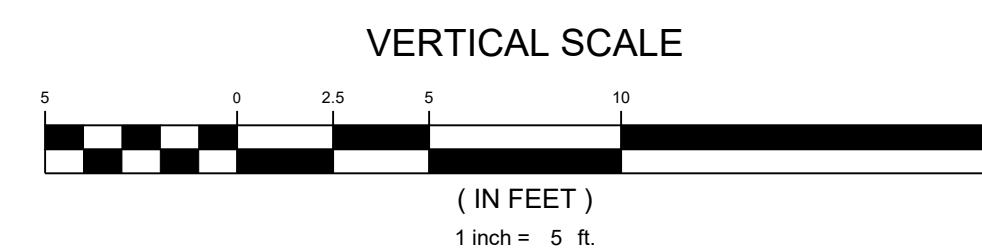
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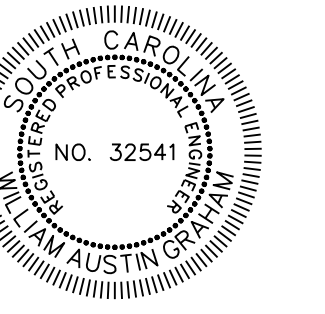
STORM K



STORM L



DEVELOPMENT RESOURCE GROUP, LLC
4703 OLEANDER DRIVE
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



STORM PROFILES - 6
FANTASY HARBOUR BUS FACILITY

PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

PLANS FOR
CONSTRUCTION

JOB NO: 21.148
SCALE: AS SHOWN
DRAWN BY: PJC
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023

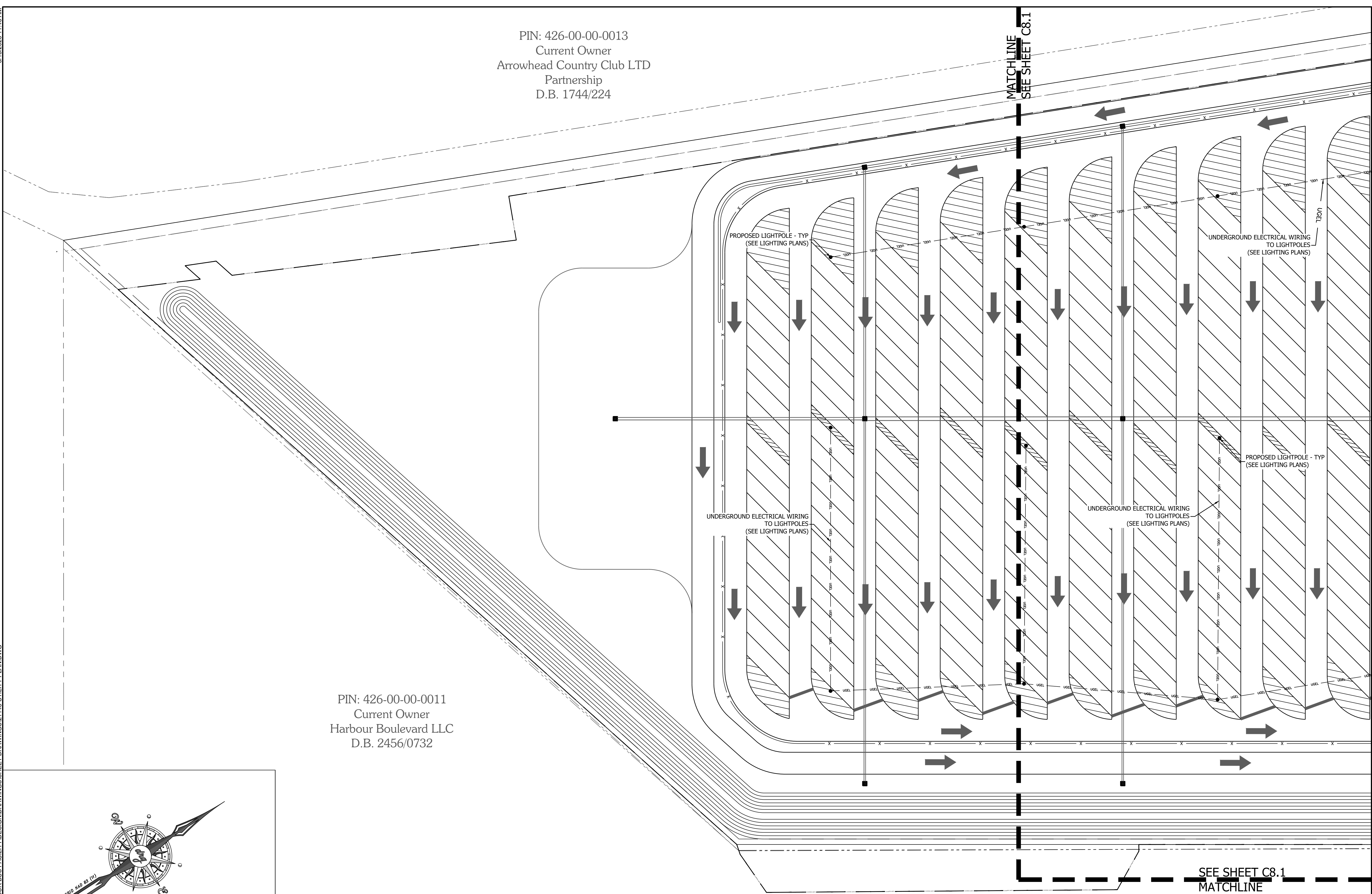
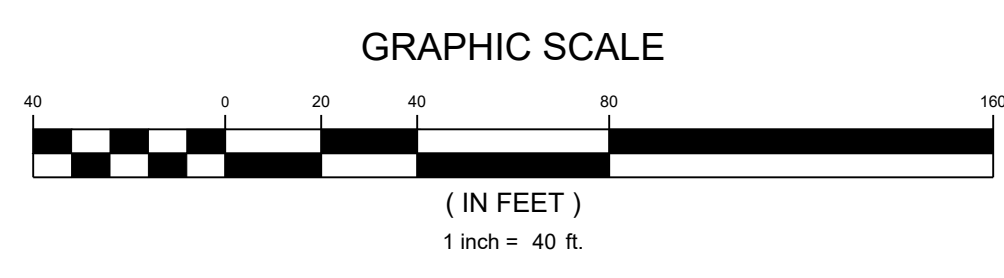
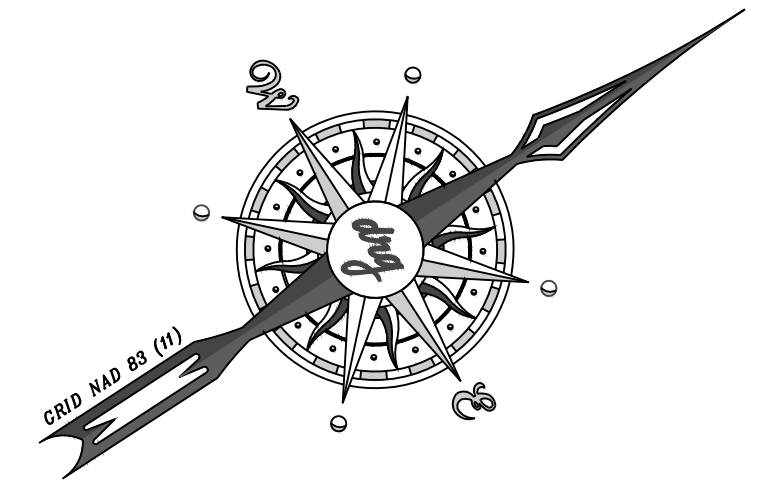
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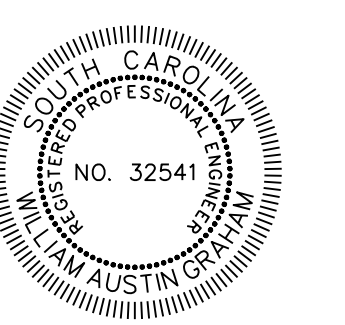
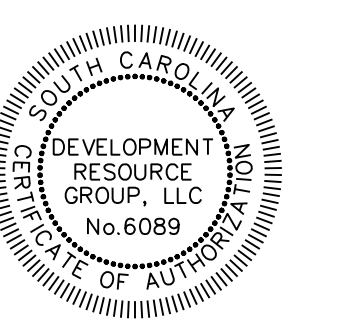
PIN: 426-00-00-0013
Current Owner
Arrowhead Country Club LTD
Partnership
D.B. 1744/224

PIN: 426-00-00-0011
Current Owner
Harbour Boulevard LLC
D.B. 2456/0732



drq

DEVELOPMENT RESOURCE GROUP, LLC
4703 OLEANDER DRIVE
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



UTILITY PLAN - 1
FANTASY HARBOUR BUS FACILITY

PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

PLANS FOR CONSTRUCTION

JOB NO: 21.148
SCALE: 1" = 40'
DRAWN BY: PJC
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023

SHEET NUMBER:

C8.0

SEE SHEET C8.1
MATCHLINE

PIN: 426-00-00-0011
Current Owner
Harbour Boulevard LLC
D.B. 2456/0732

P:21148-HCS-FANTASY HARBOUR BUS FACILITY DESIGN DRAWINGS SHEET DRAWINGS 21148 UTILITY PLAN.DWG 3/15/2023 11:46 AM

PIN: 426-00-00-0013
Current Owner
Arrowhead Country Club LTD
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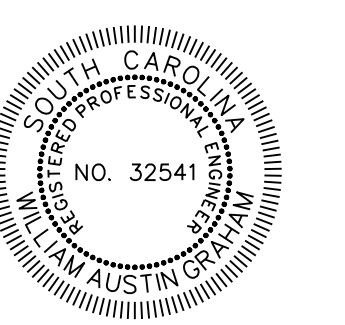
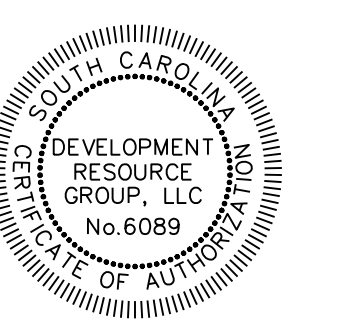
PIN: 426-00-00-0014
Current Owner
Newport Brookridge LLC

PIN: 426-09-02-0064
Current Owner
Maitland Properties
LLC

PIN: 426-09-02-0064
Current Owner
Thorn I
D.B.



DEVELOPMENT RESOURCE GROUP, LLC
4703 OLEANDER DRIVE
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



UTILITY PLAN - 2
FANTASY HARBOUR BUS FACILITY

PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

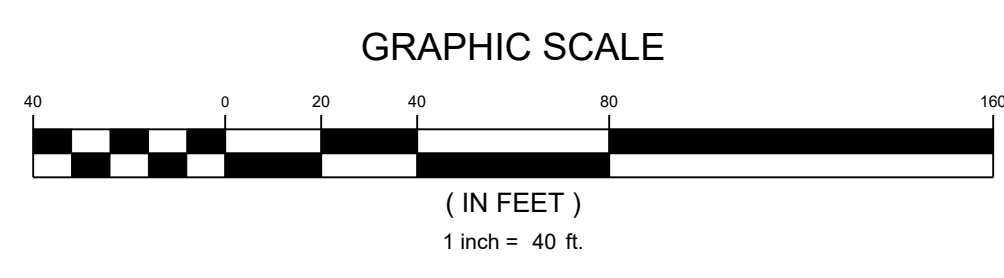
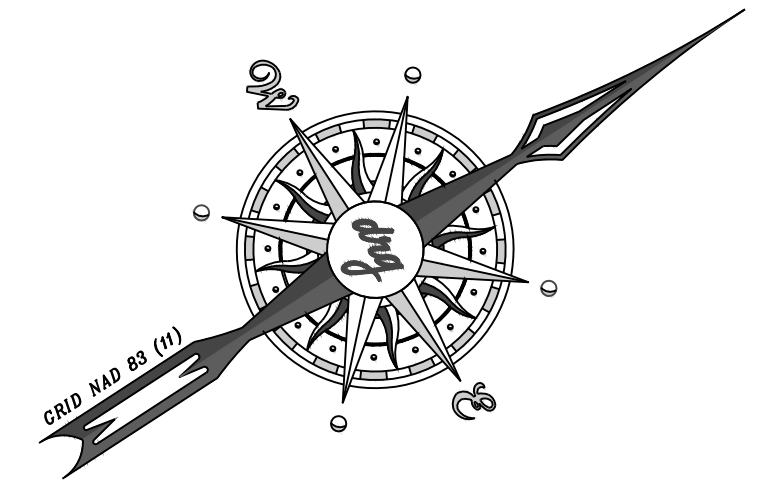
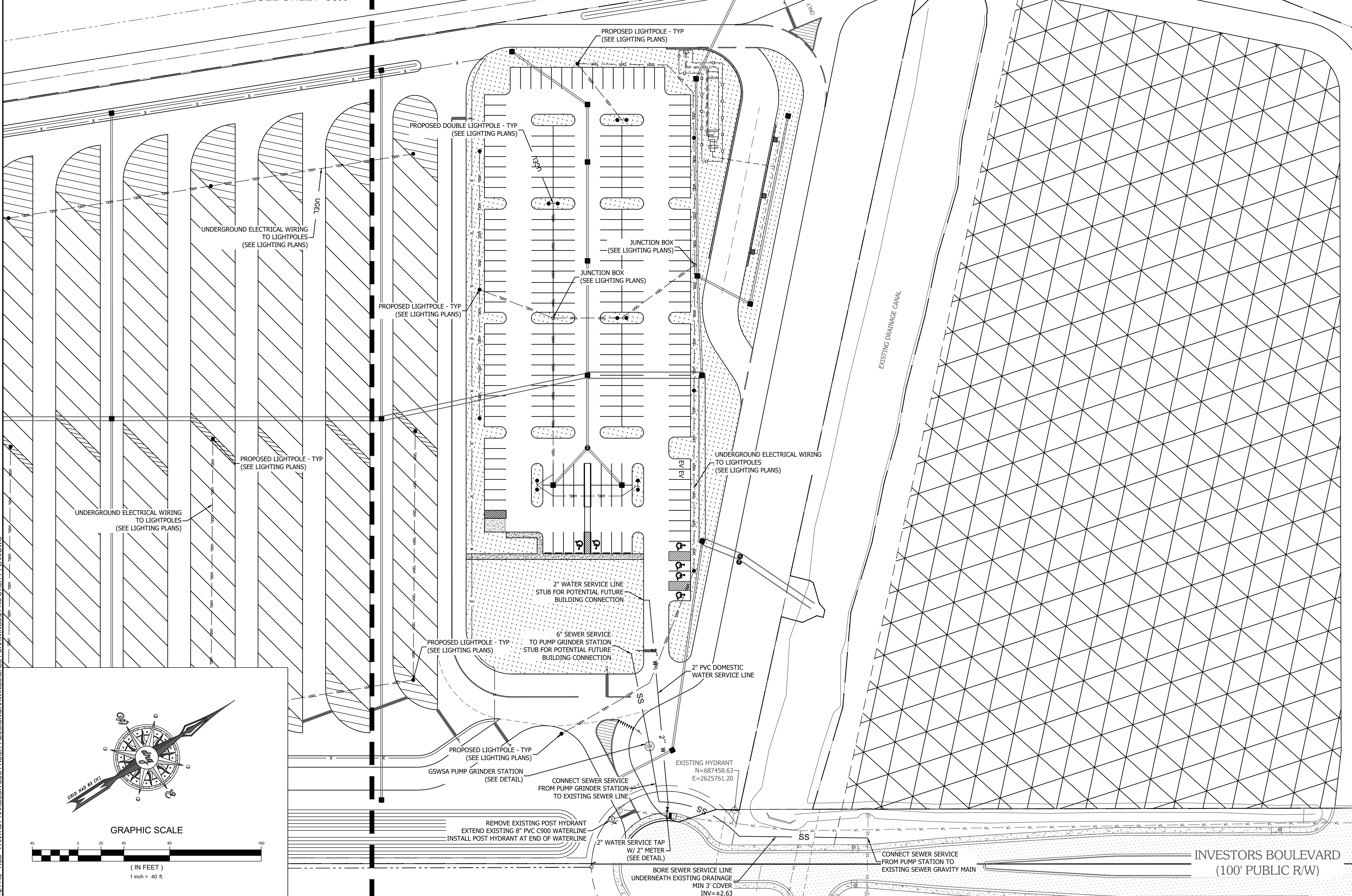
PLANS FOR
CONSTRUCTION

JOB NO: 21.148
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DRAWN BY: PJC
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023

SHEET NUMBER:

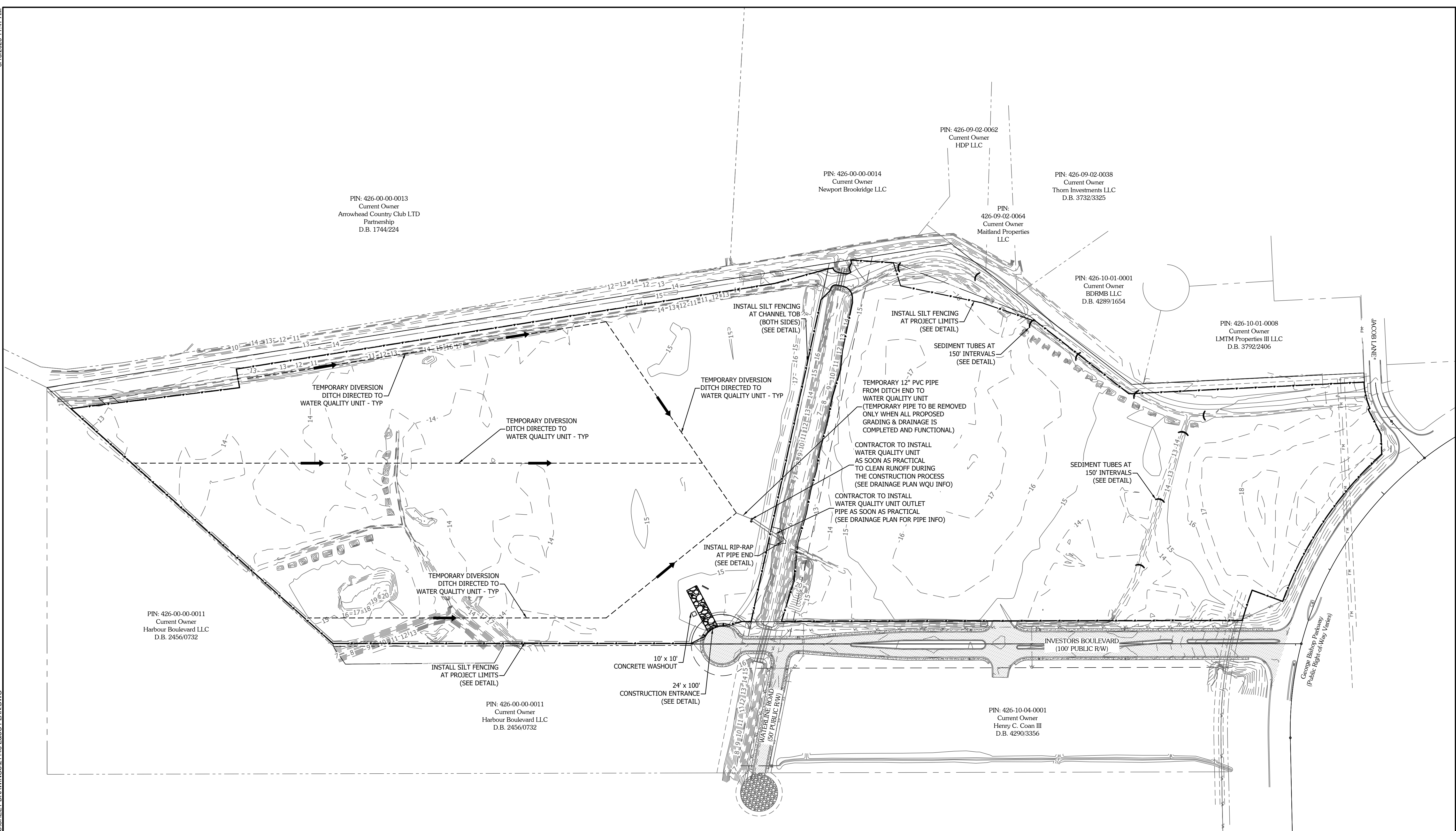
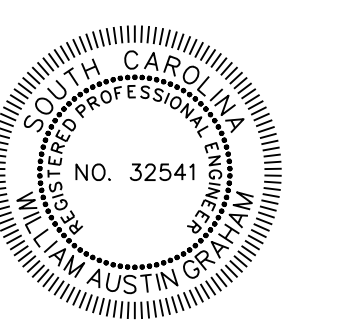
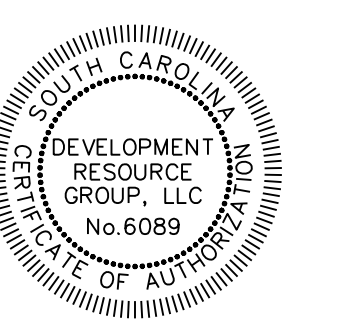
C8.1

MATCHLINE
SEE SHEET C8.0





DEVELOPMENT RESOURCE GROUP, LLC
4703 OLEANDER DRIVE
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



PIN: 426-00-00-0013
Current Owner
Arrowhead Country Club LTD
Partnership
D.B. 1744/224

PIN: 426-00-00-0014
Current Owner
Newport Brookridge LLC

PIN: 426-09-02-0062
Current Owner
HDP LLC

PIN: 426-09-02-0038
Current Owner
Thom Investments LLC
D.B. 3732/3325

PIN: 426-09-02-0064
Current Owner
Maitland Properties
LLC

PIN: 426-10-01-0001
Current Owner
BDRMB LLC
D.B. 4289/1654

PIN: 426-10-01-0008
Current Owner
LMTM Properties III LLC
D.B. 3792/2406

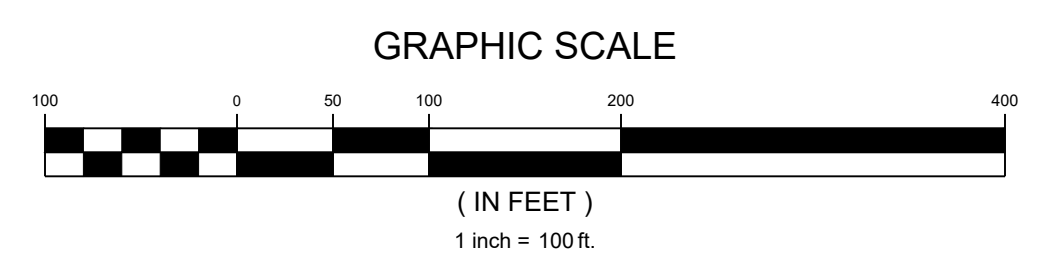
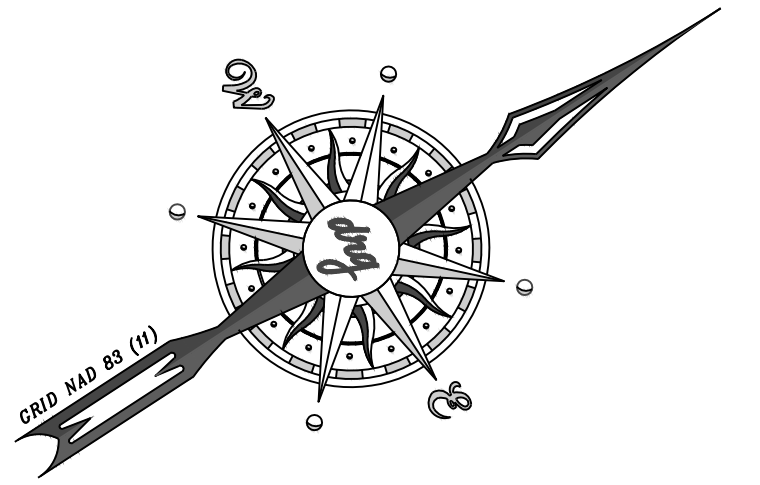
PIN: 426-00-00-0011
Current Owner
Harbour Boulevard LLC
D.B. 2456/0732

PIN: 426-00-00-0011
Current Owner
Harbour Boulevard LLC
D.B. 2456/0732

PIN: 426-10-04-0001
Current Owner
Henry C. Coan III
D.B. 4290/3356

PLAN LEGEND

- SF— SILT FENCE (SEE DETAIL)
- A** TYPE A INLET PROTECTION (FABRIC & STAKES - SEE DETAIL)
- D** TYPE D INLET PROTECTION (DANDY SACK - SEE DETAIL)
- FF** TYPE FF INLET PROTECTION (FILTER FABRIC - SEE DETAIL)
- F** TYPE F INLET PROTECTION (INLET TUBES - SEE DETAIL)
- CONCRETE WASHOUT (SEE DETAIL)
- SW** STREET SWEEPING
- TS** TEMPORARY SEEDING
- RIP-RAP



E&S CONSTRUCTION SEQUENCE	DATE
INSTALL CONSTRUCTION ENTRANCE AT START OF JOB (SEE DETAIL)	
INSTALL PERIMETER SILT FENCE (SEE DETAIL)	
CLEAR & GRUB TO PERIMETER SILT FENCE	

EROSION & SEDIMENT CONTROL PLAN - 1
FANTASY HARBOUR BUS FACILITY

PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

PLANS FOR CONSTRUCTION

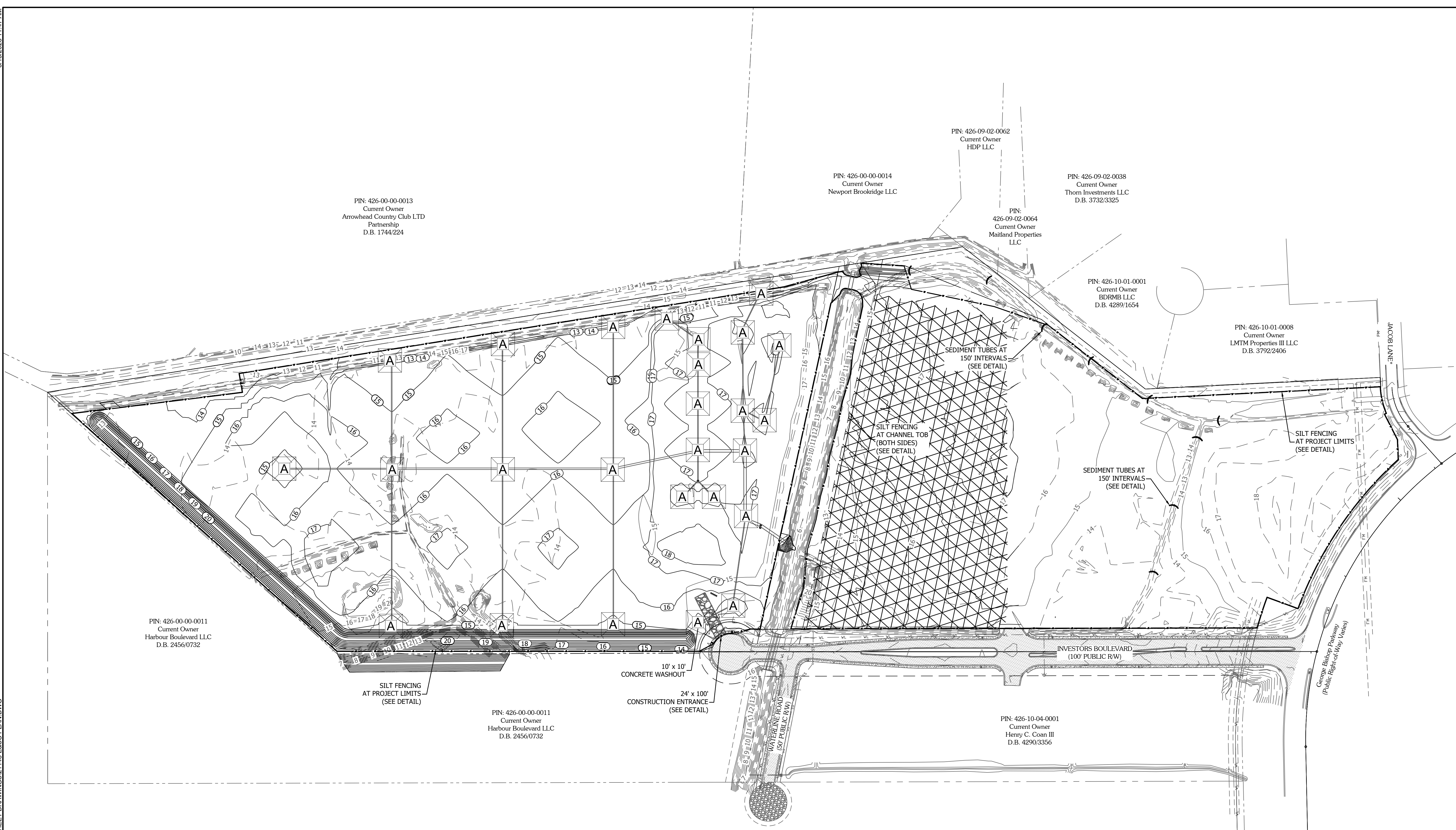
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SCALE: 1" = 100'
DRAWN BY: PJC
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023

SHEET NUMBER:

C9.0



DEVELOPMENT RESOURCE GROUP, LLC
4703 OLEANDER DRIVE
MYRTLE BEACH, SC 29577
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EROSION & SEDIMENT CONTROL PLAN - 2
FANTASY HARBOUR BUS FACILITY

PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

PLANS FOR
CONSTRUCTION

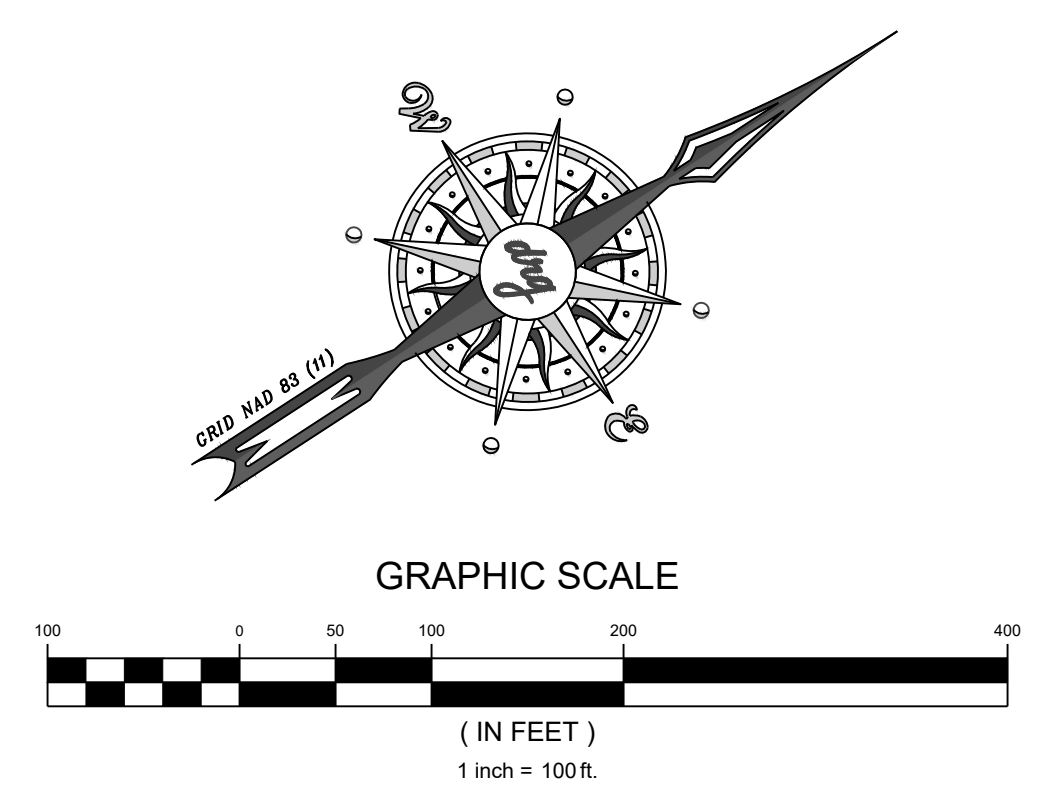
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SCALE: 1" = 100'
DRAWN BY: PJC
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023

SHEET NUMBER:

C9.1

PLAN LEGEND

- SILT FENCE (SEE DETAIL)
- TYPE A INLET PROTECTION (FABRIC & STAKES - SEE DETAIL)
- TYPE D INLET PROTECTION (DANDY SACK - SEE DETAIL)
- TYPE FF INLET PROTECTION (FILTER FABRIC - SEE DETAIL)
- TYPE F INLET PROTECTION (INLET TUBES - SEE DETAIL)
- CONCRETE WASHOUT (SEE DETAIL)
- STREET SWEEPING
- TEMPORARY SEEDING
- RIP-RAP

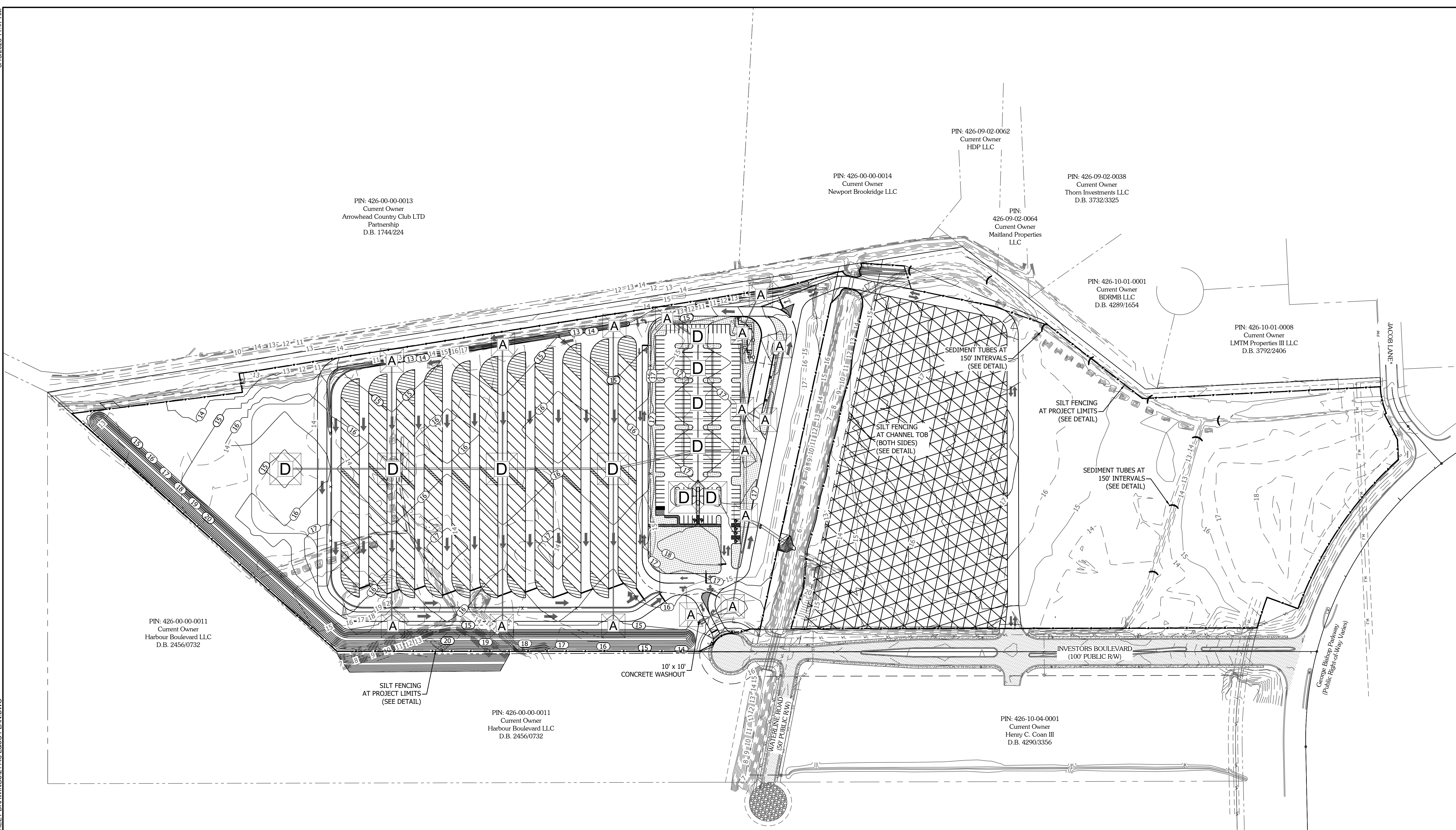
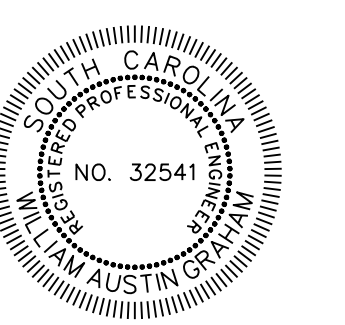
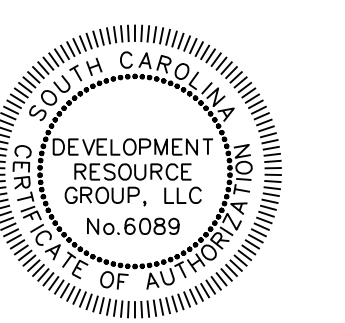


E&S CONSTRUCTION SEQUENCE	DATE
ESTABLISH MATERIAL STORAGE AREA PER CGP	
COVER BUILDING MATERIALS PER CGP	
GRADE AND STABILIZE GROUND UPON COMPLETION OF UTILITY INSTALLATION PER CGP	
INSTALL DRAINAGE & INLET PROTECTION - MAINTAIN PERIMETER SILT FENCE	

3/15/2023 11:47 AM
P:21148 - HCS - FANTASY HARBOUR BUS FACILITY DESIGN DRAWINGS SHEET DRAWINGS 21148 E&S PLAN.DWG



DEVELOPMENT RESOURCE GROUP, LLC
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MYRTLE BEACH, SC 29577
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EROSION & SEDIMENT CONTROL PLAN - 3
FANTASY HARBOUR BUS FACILITY

PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

PLANS FOR CONSTRUCTION

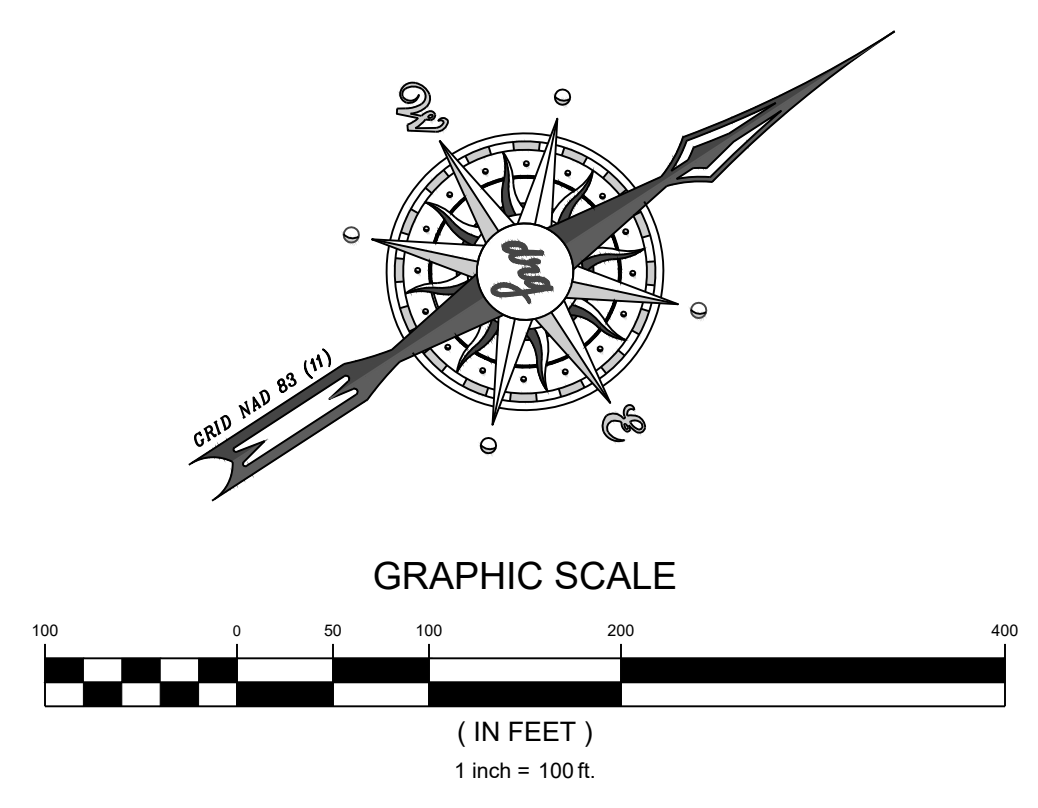
JOB NO: 21.148
SCALE: 1" = 100'
DRAWN BY: PJC
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023

SHEET NUMBER:

C9.2

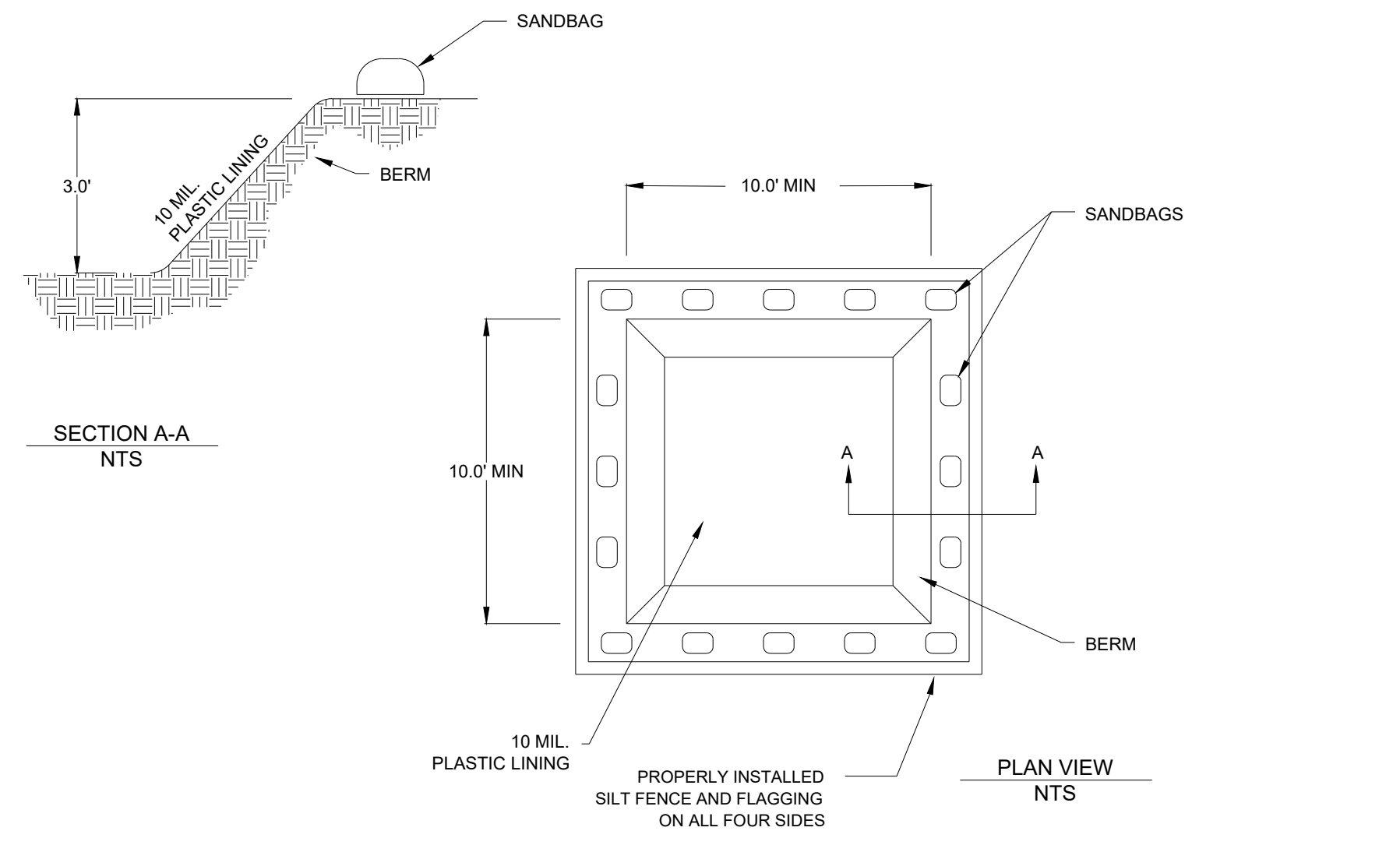
PLAN LEGEND

- SILT FENCE (SEE DETAIL)
- TYPE A INLET PROTECTION (FABRIC & STAKES - SEE DETAIL)
- TYPE D INLET PROTECTION (DANDY SACK - SEE DETAIL)
- TYPE FF INLET PROTECTION (FILTER FABRIC - SEE DETAIL)
- TYPE F INLET PROTECTION (INLET TUBES - SEE DETAIL)
- CONCRETE WASHOUT (SEE DETAIL)
- STREET SWEEPING
- TEMPORARY SEEDING
- RIP-RAP

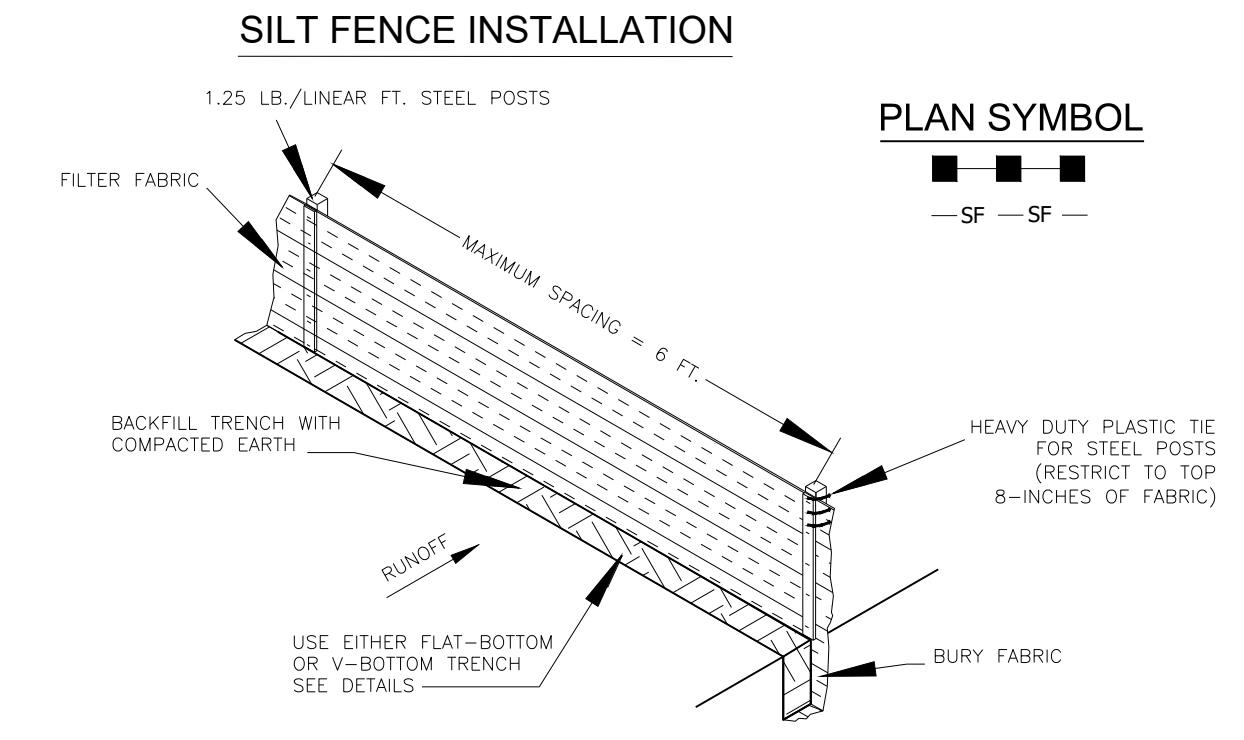


E&S CONSTRUCTION SEQUENCE	DATE
REMOVE CONSTRUCTION ENTRANCE BEGIN INSTALLATION OF ROADWAY BASE MATERIAL & INITIATION OF STREET SWEEPING	
STABILIZE REMAINING DISTURBED AREAS	
SILT FENCE REMOVAL - TO COMMENCE ONCE 70% VEGETATIVE COVER HAS BEEN ACHIEVED ON ALL DISTURBED SOILS	
REMOVE INLET PROTECTION	
SITE CLEAN UP & DEMOBILIZATION	

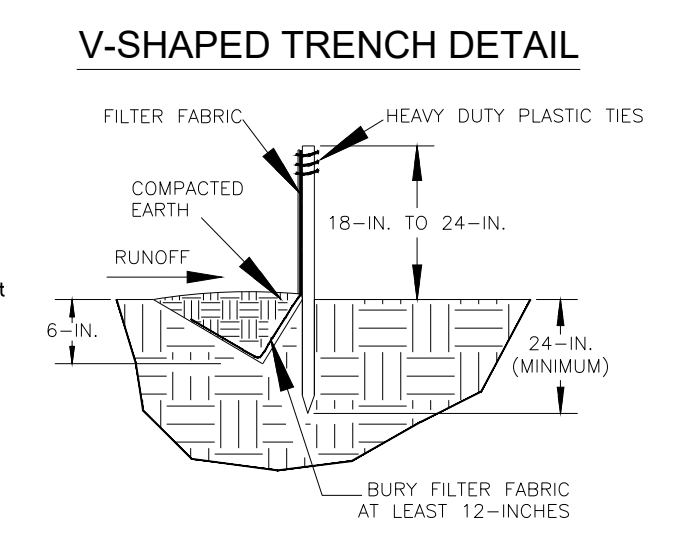
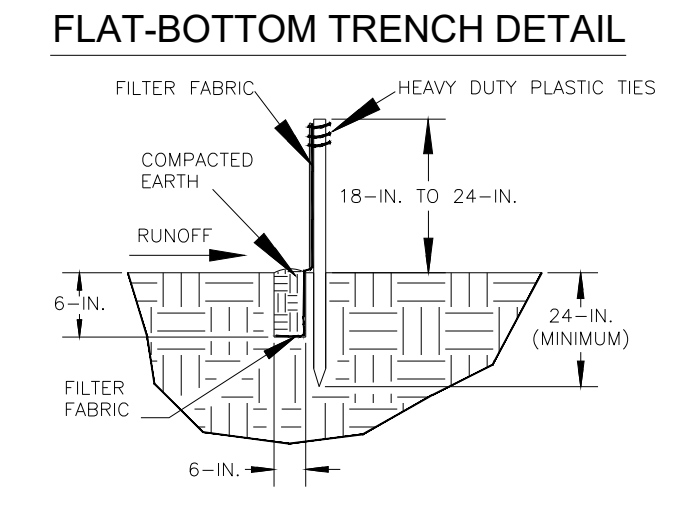
P:21148 - HCS - FANTASY HARBOUR BUS FACILITY DESIGN DRAWINGS SHEET DRAWINGS 21148 COVER NOTES DETAILS.DWG 3/15/2023 11:47 AM



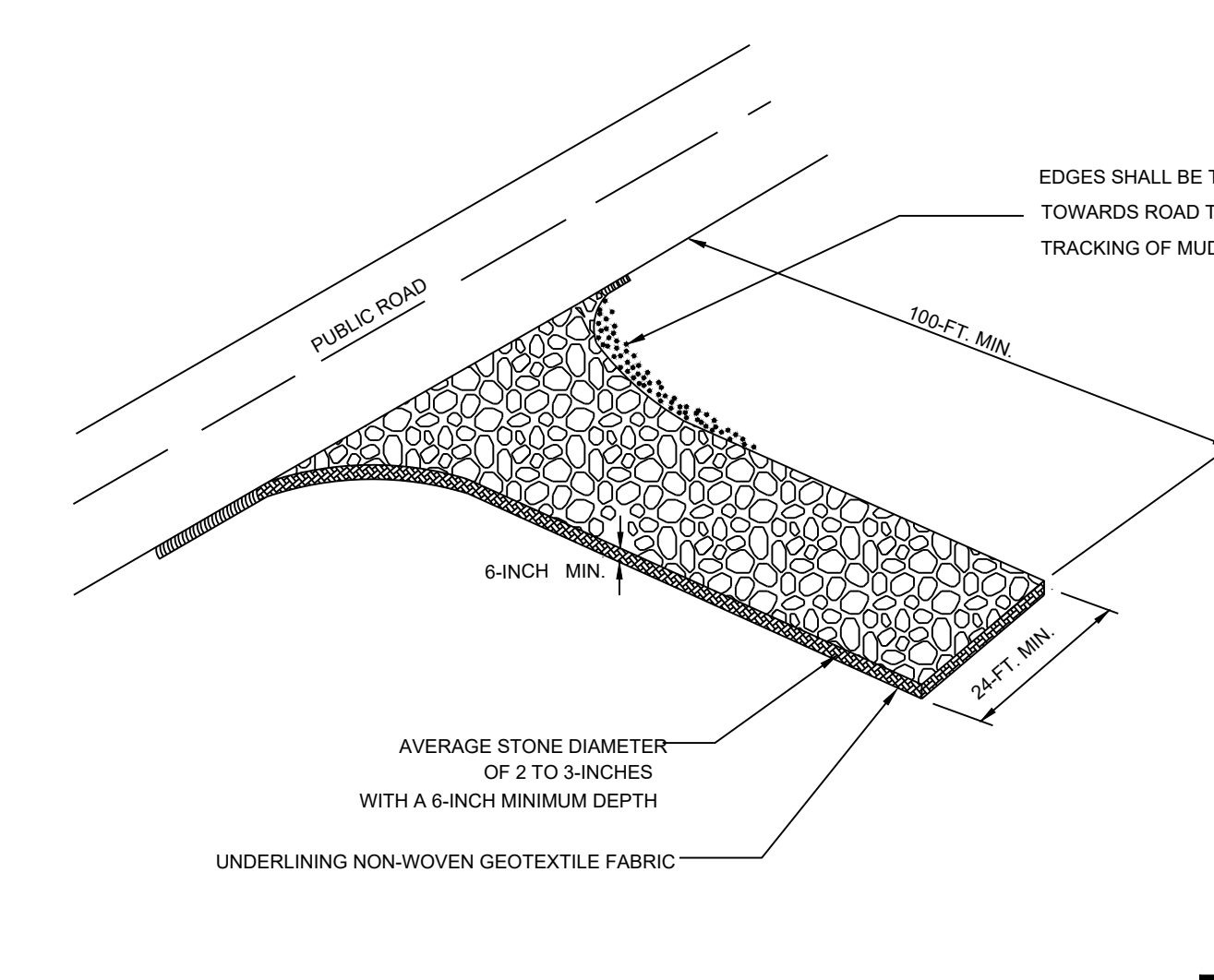
CONCRETE WASHOUT	
E#	N.T.S. 07/XX/19
DEVELOPMENT RESOURCE GROUP, LLC	



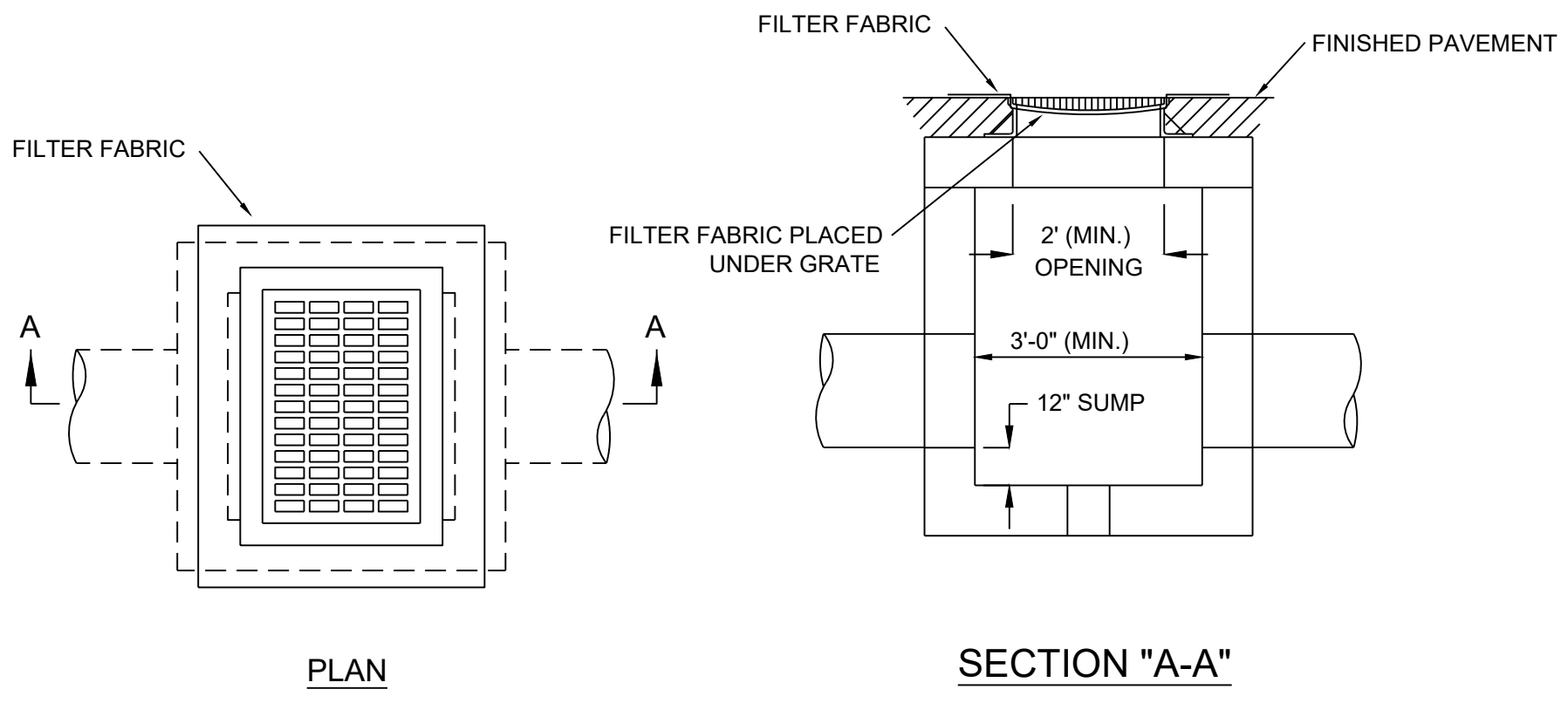
- SILT FENCE - GENERAL NOTES**
- Do not place silt fence across channels or in other areas subject to concentrated flows. Silt fence should not be used as a velocity control BMP. Concentrated flows are any flows greater than 0.5 cfs.
 - Maximum sheet or overland flow path length to the silt fence shall be 100-feet.
 - Maximum slope steepness (normal [perpendicular] to the fence line) shall be 2:1.
 - Silt fence joints, when necessary, shall be completed by one of the following options:
 - Wrap each fabric together at a support post with both ends fastened to the post, with a 1-foot minimum overlap.
 - Overlap silt fence by installing 3-feet passed the support post to which the new silt fence roll is attached. Attach old roll to new roll with heavy-duty plastic ties; or,
 - Overlap entire width of each silt fence roll from one support post to the next support post.
 - Attach filter fabric to the steel posts using heavy-duty plastic ties that are evenly spaced within the top 8-inches of the fabric.
 - Install the silt fence perpendicular to the direction of the stormwater flow and place the silt fence the proper distance from the toe of steep slopes to provide sediment storage and access for maintenance and cleanup.
 - Install Silt Fence Checks (Tie-Backs) every 50-100 feet, dependent on slope, along silt fence that is installed with slope and where concentrated flows are expected or are documented along the proposed/installed silt fence.



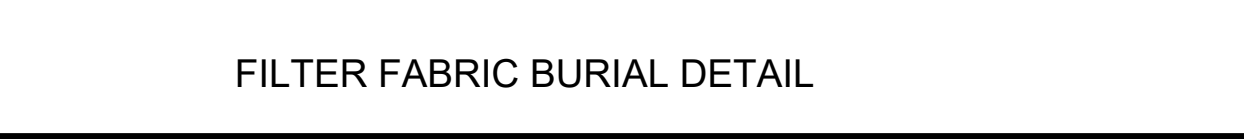
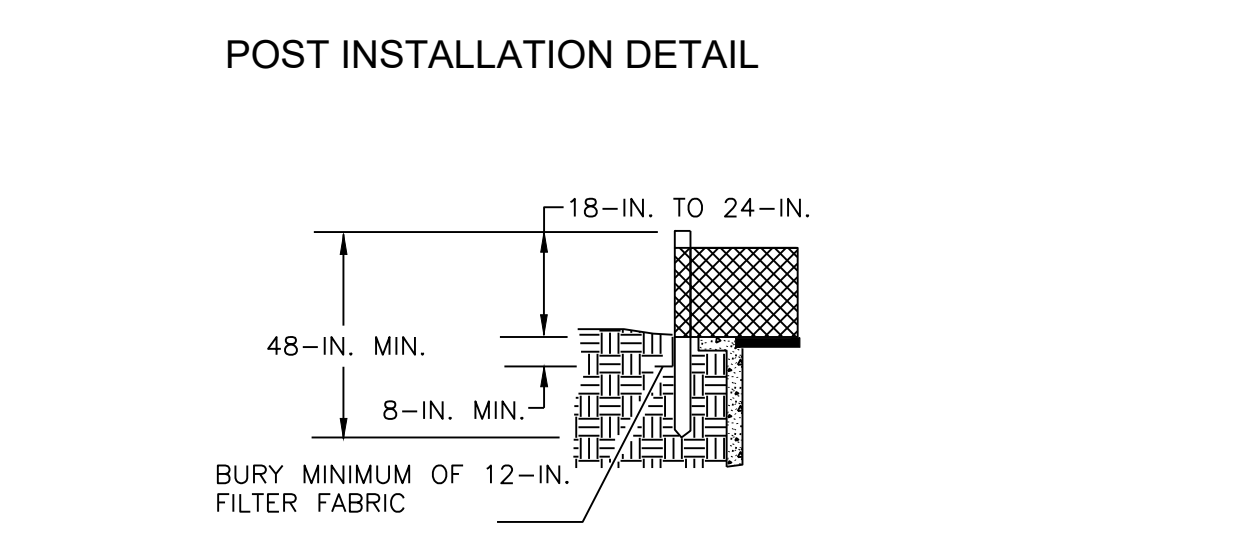
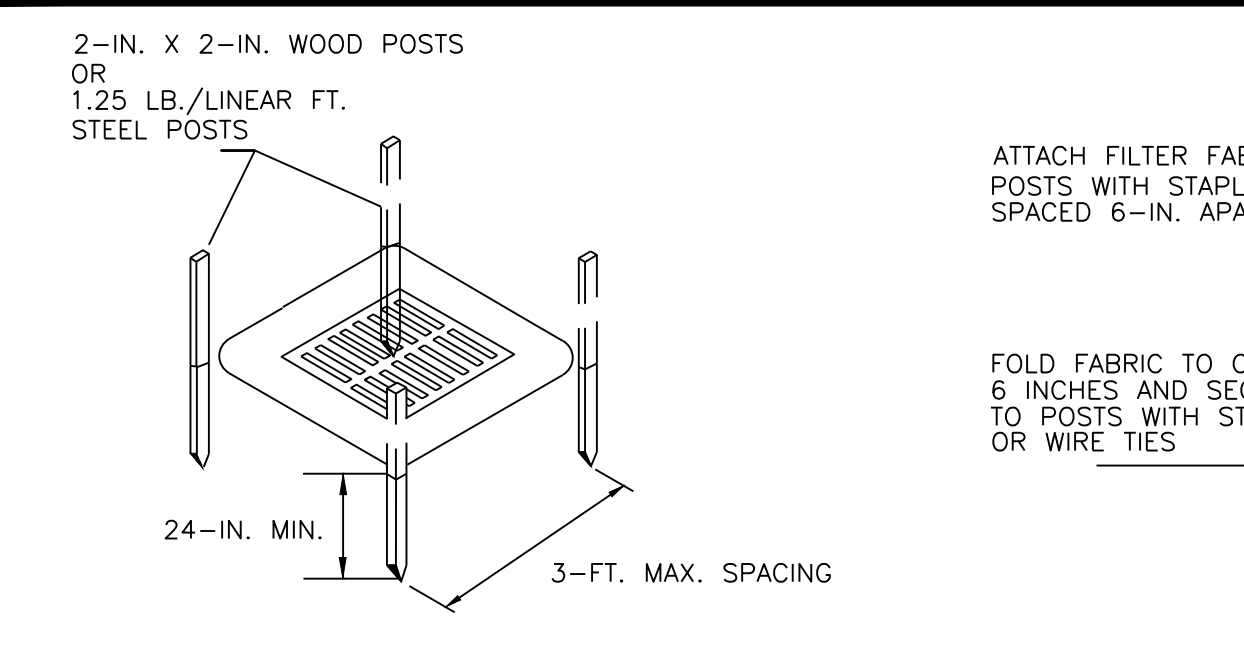
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SILT FENCE	
STANDARD DRAWING NO.	SC-03 Page 1 of 2
APPROVED BY:	FEBRUARY 2014 DATE
NOT TO SCALE	



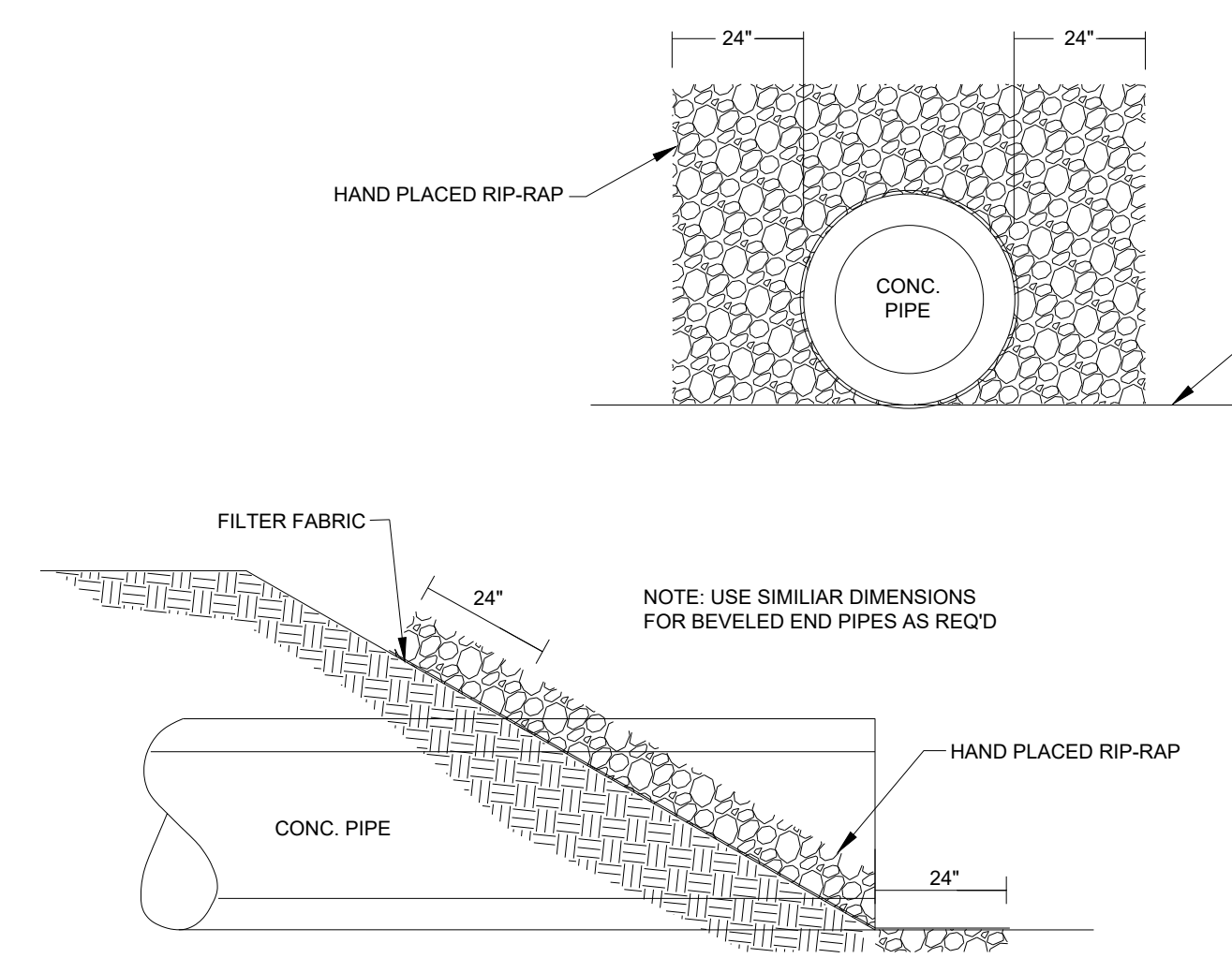
South Carolina Department of Health and Environmental Control	
STABILIZED CONSTRUCTION ENTRANCE	
STANDARD DRAWING NO.	SC-06 Page 1 of 3
APPROVED BY:	AUGUST, 2005 DATE



INLET PROTECTION - TYPE FF	
E#	N.T.S. 07/XX/19
DEVELOPMENT RESOURCE GROUP, LLC	



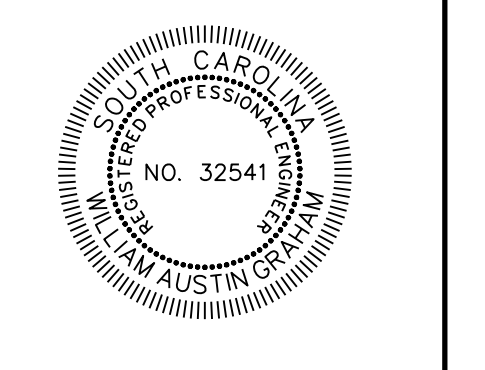
South Carolina Department of Health and Environmental Control	
TYPE A - FILTER FABRIC INLET PROTECTION	
STANDARD DRAWING NO.	SC-07 Page 1 of 2
APPROVED BY:	AUGUST, 2005 DATE



RIP-RAP	
E#	N.T.S. 07/XX/19
DEVELOPMENT RESOURCE GROUP, LLC	

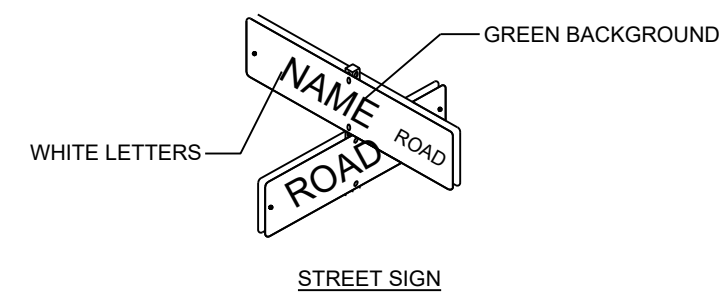
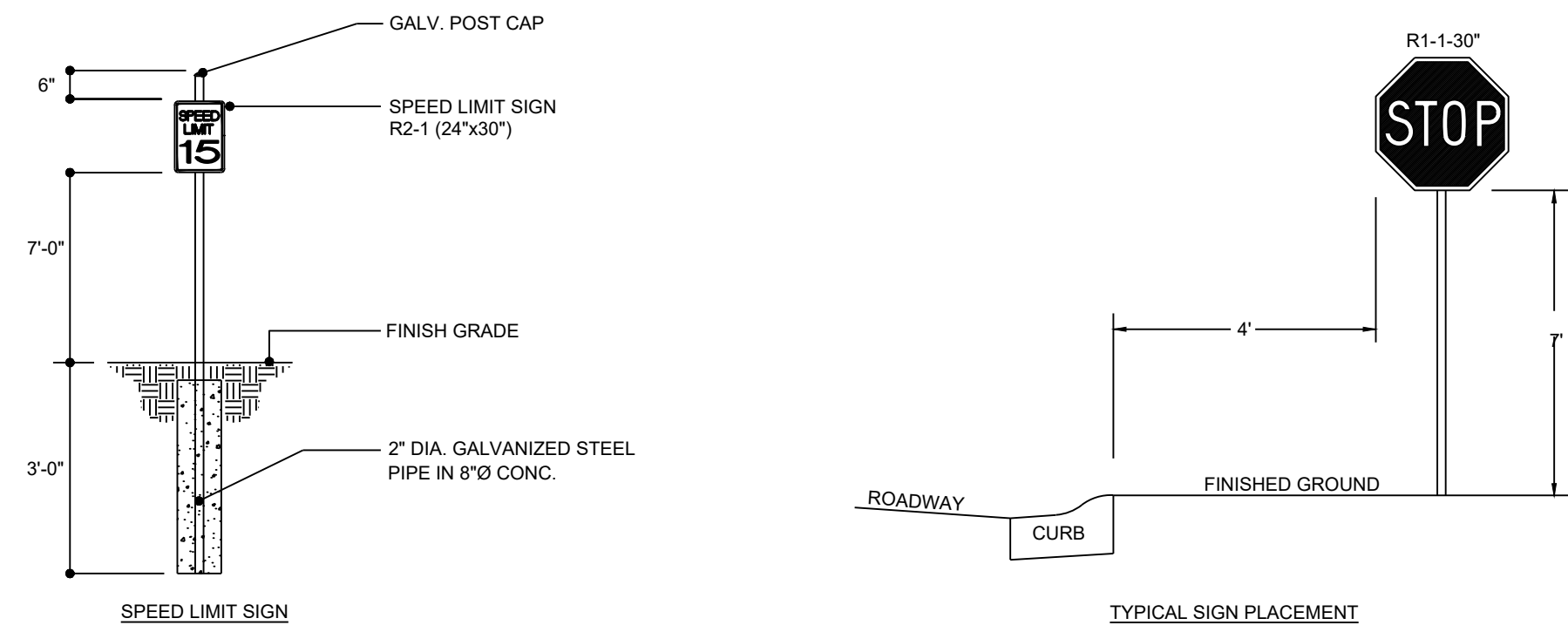


DEVELOPMENT RESOURCE GROUP, LLC
4703 OLEANDER DRIVE
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



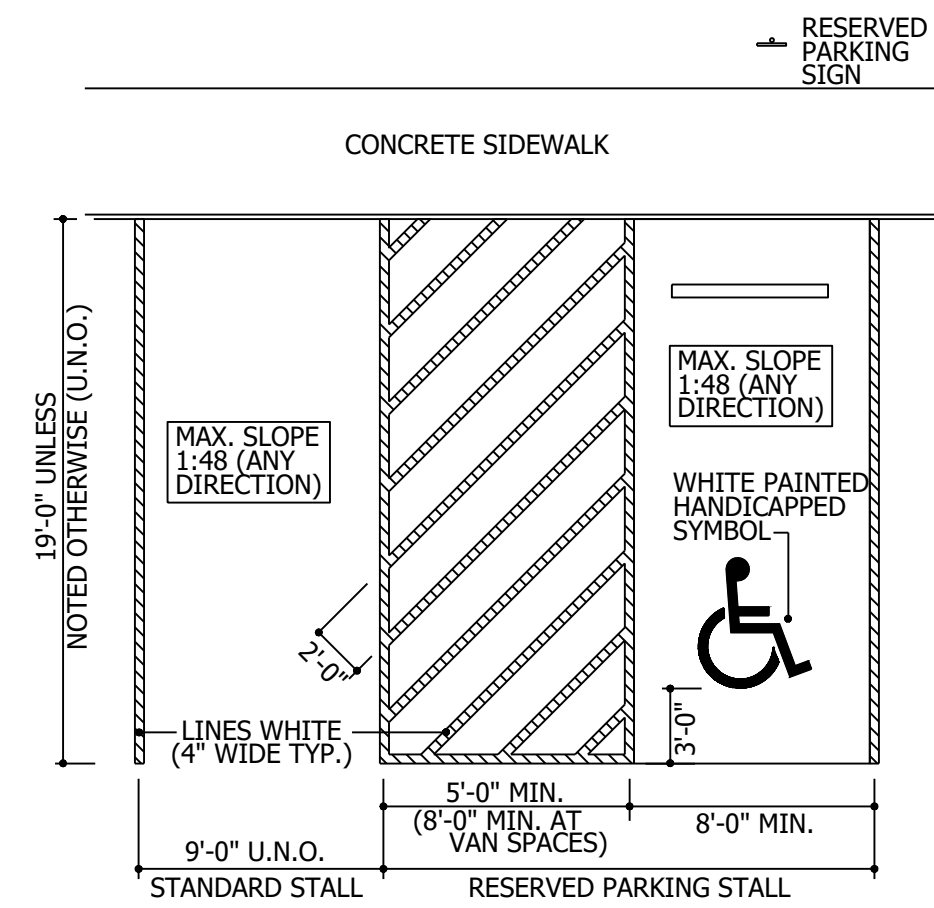
FANTASY HARBOUR BUS FACILITY
 PREPARED FOR:
 Horry County Schools
 335 FOUR MILE ROAD
 CONWAY, SC 29526
 JOE BURCH
PLANS FOR CONSTRUCTION

JOB NO:	21.148
SCALE:	NTS
DRAWN BY:	PJC
CHECKED BY:	WAG
APPROVED BY:	WAG
DATE:	03/15/2023
SHEET NUMBER:	C10.0



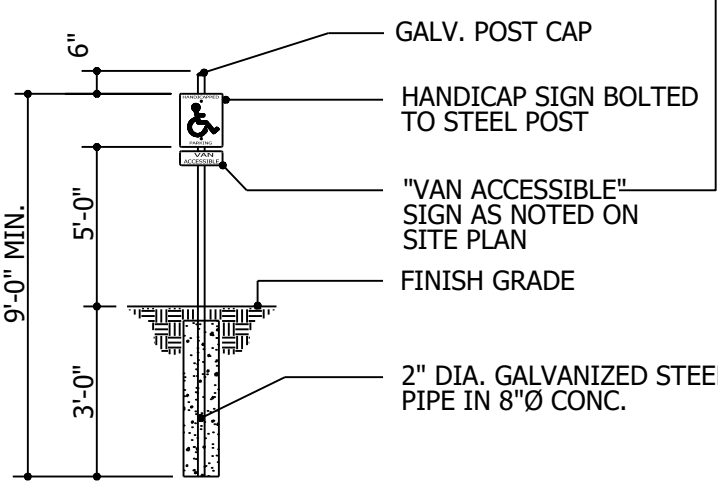
NOTES:
 1. ALL SIGNING SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 2. PUBLIC ROADS SHALL BE INDICATED BY GREEN COLORED SIGNAGE WITH WHITE LETTERING.
 3. ALL SIGNING SHALL BE INSTALLED AT A HEIGHT OF 7', MEASURED FROM GROUND TO BOTTOM OF SIGNAGE

SIGNAGE	
R#	N.T.S. 07/XX/19
DEVELOPMENT RESOURCE GROUP, LLC	



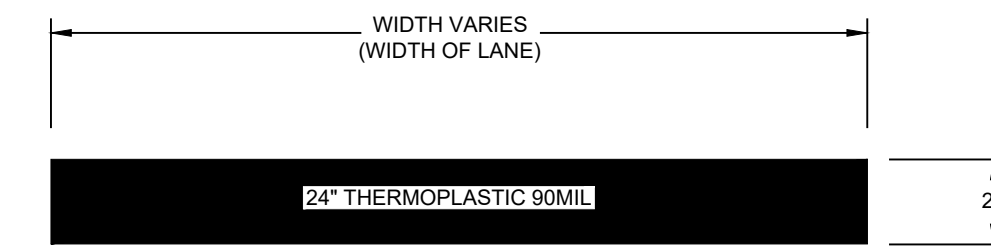
NOTES:
 1. PAVEMENT MARKINGS SHALL BE AN ACRYLIC EMULSION OR ALKYD, NON-REFLECTORIZED ZONE MARKING PAINTS APPLIED IN 2 COATS.
 2. PAINT MARKINGS SHALL NOT BE APPLIED UNTIL NEW PAVING HAS CURED 7 DAYS MINIMUM.
 3. PRECAST CONCRETE BUMPER BLOCKS SHALL BE REQUIRED AT ALL RESERVED PARKING STALLS.

TYPICAL PARKING STALL MARKINGS
NOT TO SCALE



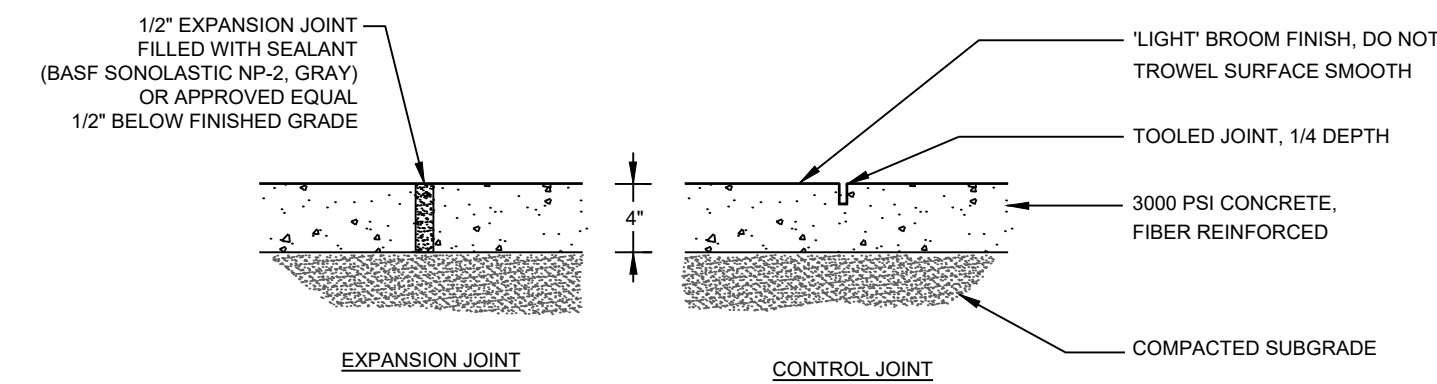
HANDICAP SIGN DETAIL
NOT TO SCALE

HANDICAP SIGN DETAIL	
R#	N.T.S.
DEVELOPMENT RESOURCE GROUP, LLC	



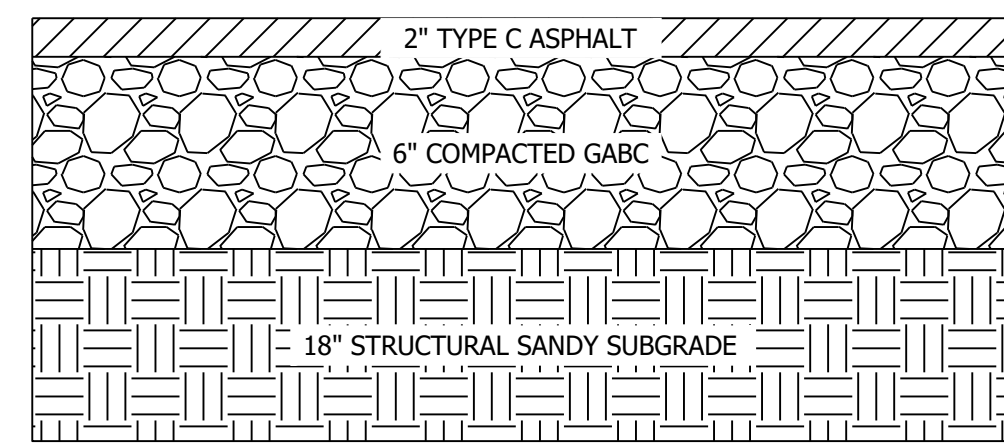
NOTES:
 1. ALL STOP BARS, CROSSWALKS, STRIPPING AND SYMBOLS LOCATED IN PUBLIC RIGHT OF WAY SHALL BE THERMOPLASTIC

STOP BAR	
R#	N.T.S. 07/XX/19
DEVELOPMENT RESOURCE GROUP, LLC	

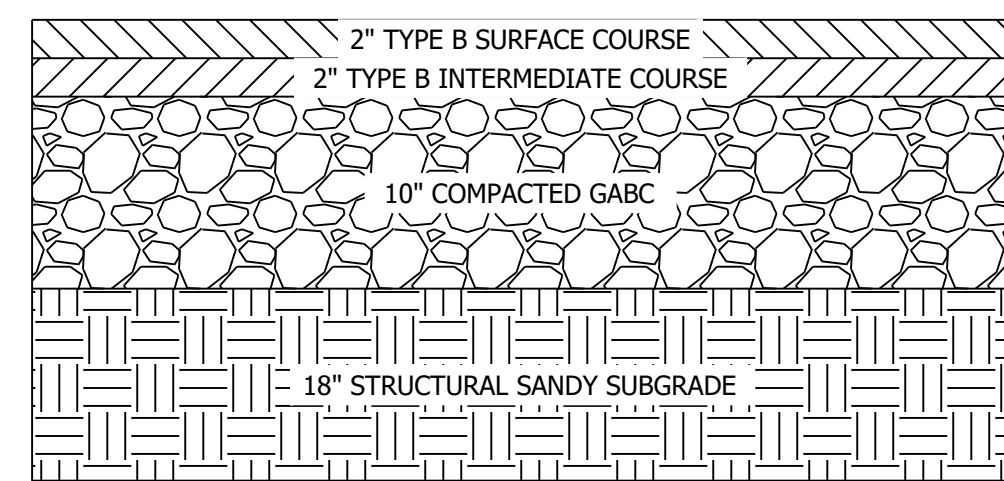


NOTES:
 1. CONCRETE SHALL BE FIBER REINFORCED AND SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI. MAXIMUM AGGREGATE SIZE SHALL BE 1/2" DIAMETER.
 2. CONTROL JOINTS SHALL BE PLACED AT 5' O.C. MAX. EXPANSION JOINTS SHALL BE PLACED AT 35' O.C. MAX.
 3. ALL SIDEWALK'S CROSS SLOPE TO BE MIN 1.0% AND 2.0% MAXIMUM.
 4. ALL SIDEWALK SHALL BE 5' WIDE, UNLESS NOTED OTHERWISE

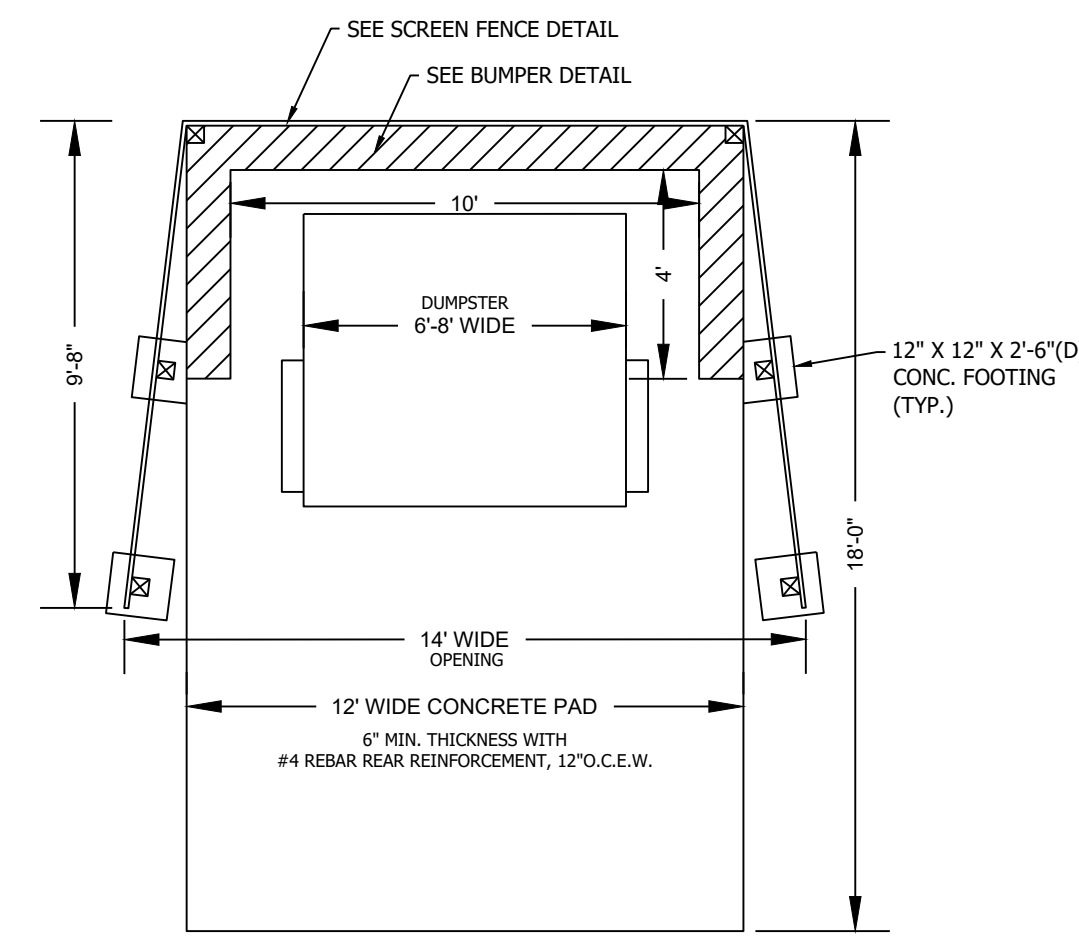
CONCRETE SIDEWALK	
R#	N.T.S. 07/XX/19
DEVELOPMENT RESOURCE GROUP, LLC	



LIGHT DUTY ASPHALT PAVEMENT SECTION	
R#	N.T.S. 07/XX/19
DEVELOPMENT RESOURCE GROUP, LLC	

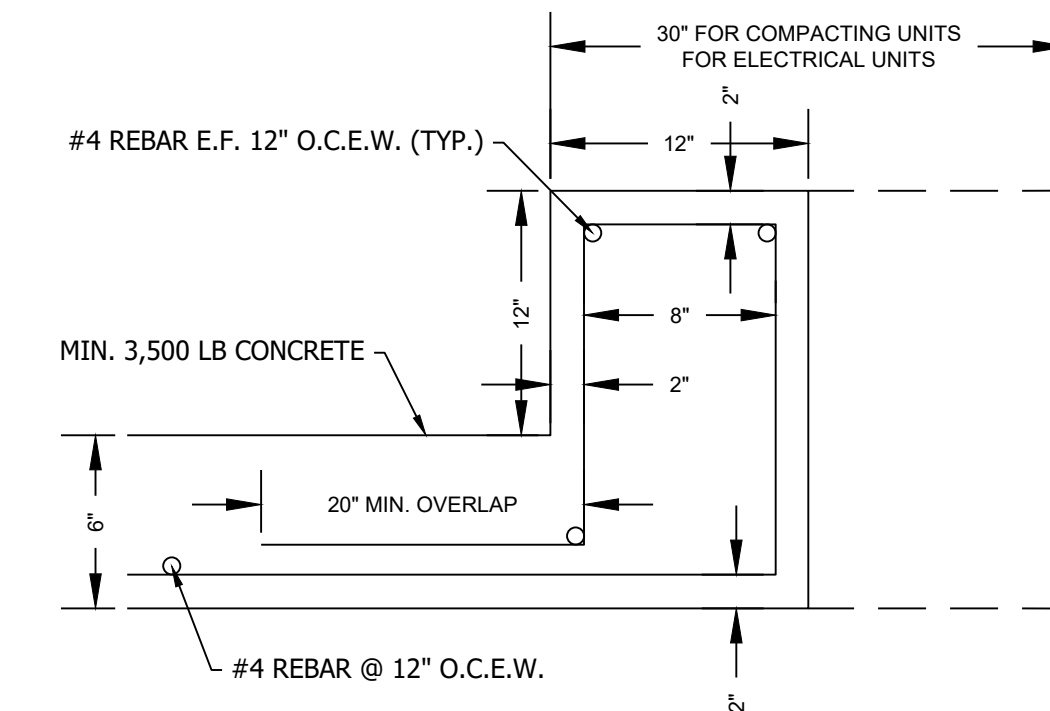


HEAVY DUTY ASPHALT PAVEMENT SECTION	
R#	N.T.S. 07/XX/19
DEVELOPMENT RESOURCE GROUP, LLC	



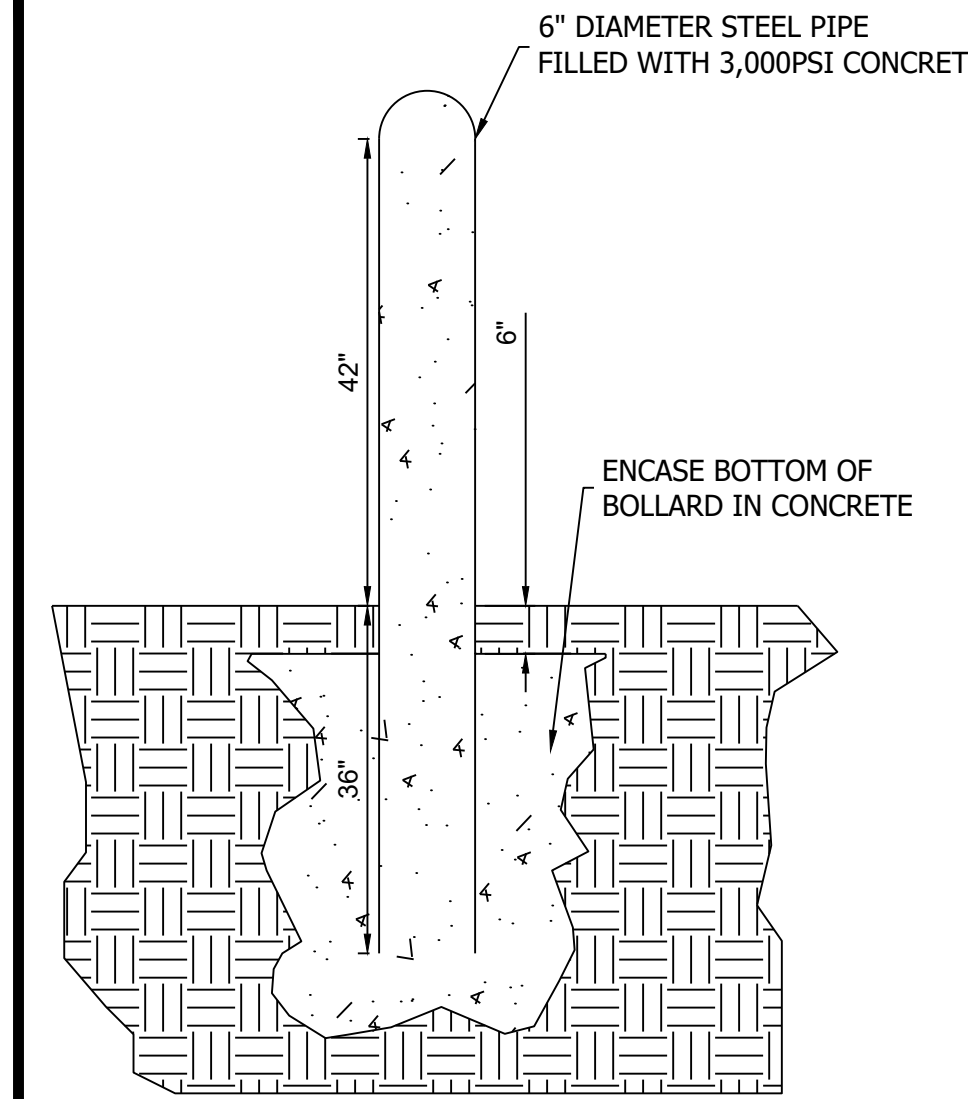
NOTE:
 1. A 70 FT. MIN. UNOBSTRUCTED ACCESS IS REQUIRED.
 2. SCREENING MUST BE CONSTRUCTED ON OWNERS PROPERTY.
 3. ELECTRIC SERVICE FOR VERTI-PACKER TO BE DETERMINED BY SIZE OF UNIT.
 4. VERTI-PACKER UNIT MUST USE MIN. 1" DIA. BOLTS FOR ATTACHMENT OF UNIT TO PAD.
 5. FOR ADDITIONAL INFORMATION CONTACT THE SOLID WASTE MANAGEMENT DIVISION AT 843-918-2161.

SINGLE DUMPSTER PAD	
R#	N.T.S.
DEVELOPMENT RESOURCE GROUP, LLC	

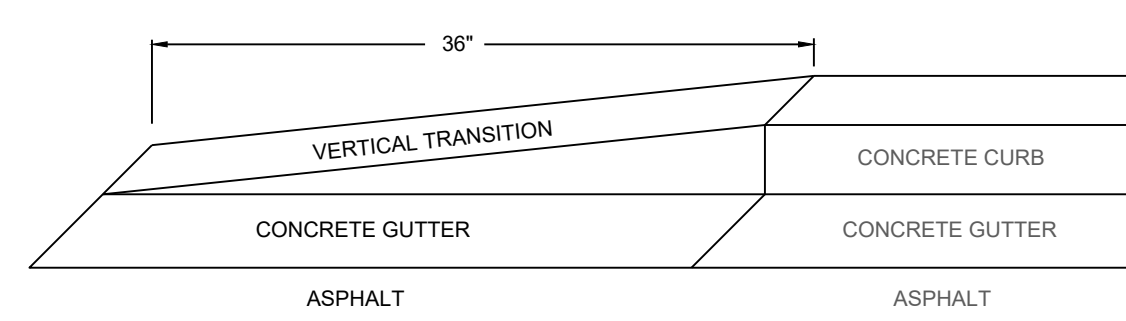


FOR ADDITIONAL INFORMATION CONTACT THE SOLID WASTE MANAGEMENT DIVISION AT 843-918-2161

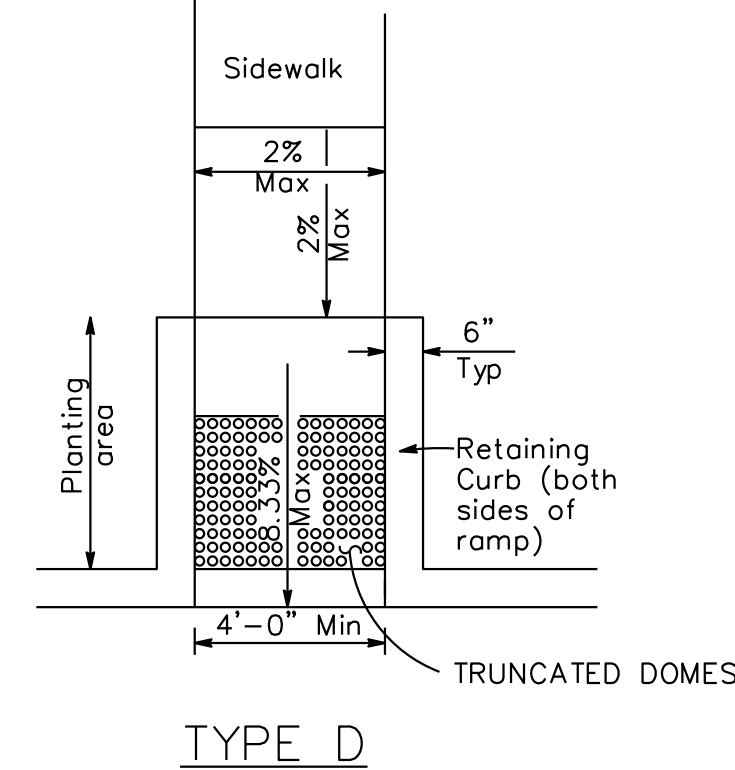
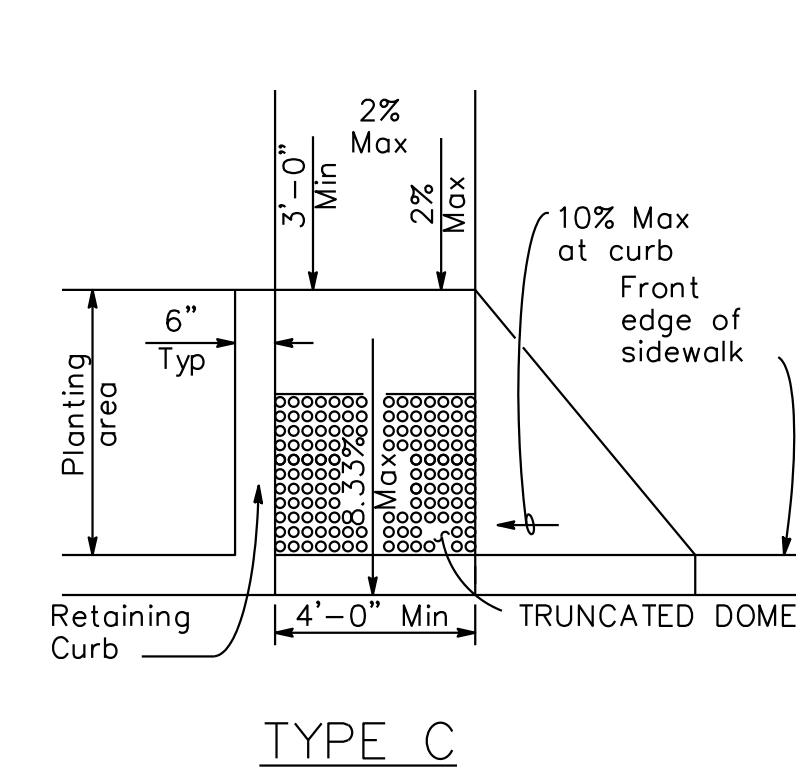
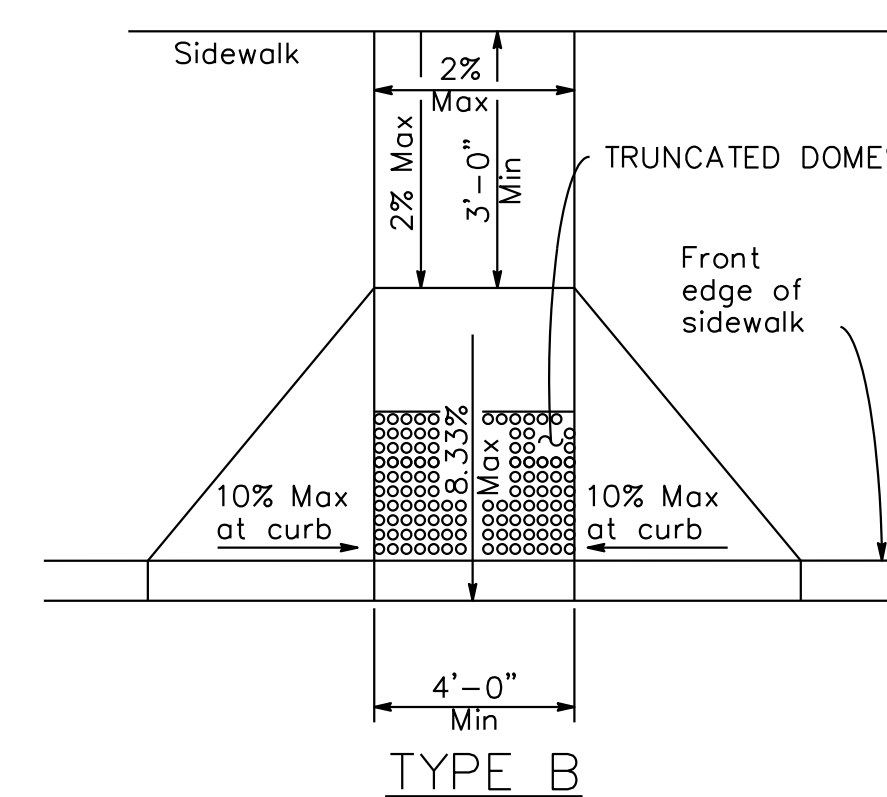
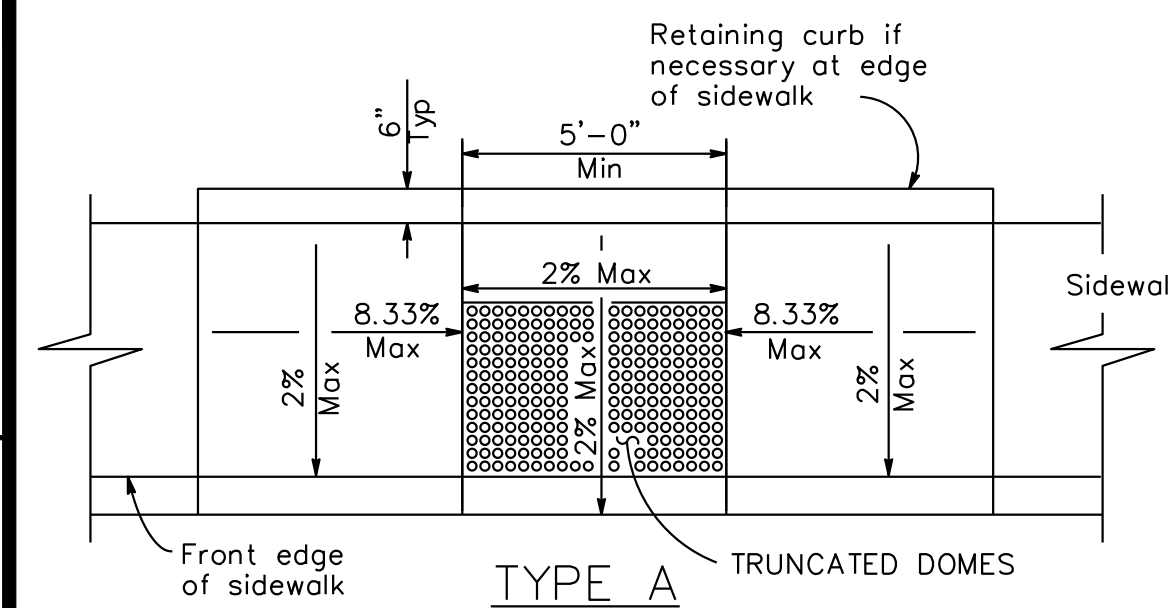
CONCRETE BUMPER	
R#	N.T.S.
DEVELOPMENT RESOURCE GROUP, LLC	



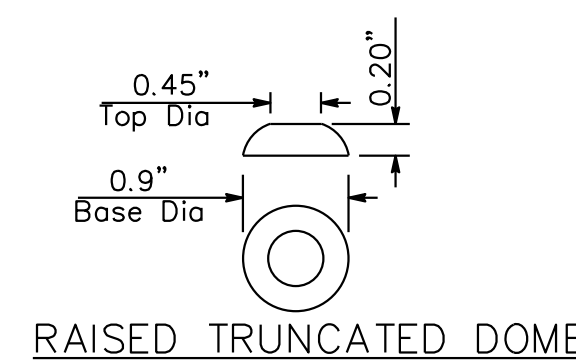
PIPE BOLLARD	
R#	N.T.S. 10/21/19
DEVELOPMENT RESOURCE GROUP, LLC	



VERTICAL CURB TAPER	
R#	N.T.S. 07/XX/19
DEVELOPMENT RESOURCE GROUP, LLC	



NOTE:
 1. CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI
 2. AIR CONTENT SHALL BE 5%-7%
 3. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL DETAILS
 4. AS STATED IN THE SCDOT SECTION 305 SPECIFICATION, WE RECOMMEND THAT ALL NEW BASE COURSE SHOULD BE COMPACTED TO AT LEAST 100 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (SC T-140)



CONCRETE PAVEMENT SECTION	
R#	N.T.S. 07/XX/19
DEVELOPMENT RESOURCE GROUP, LLC	



ADA RAMPS	
R#	N.T.S.
DEVELOPMENT RESOURCE GROUP, LLC	



DEVELOPMENT RESOURCE GROUP, LLC
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DETAILS - 2
 FANTASY HARBOUR BUS FACILITY

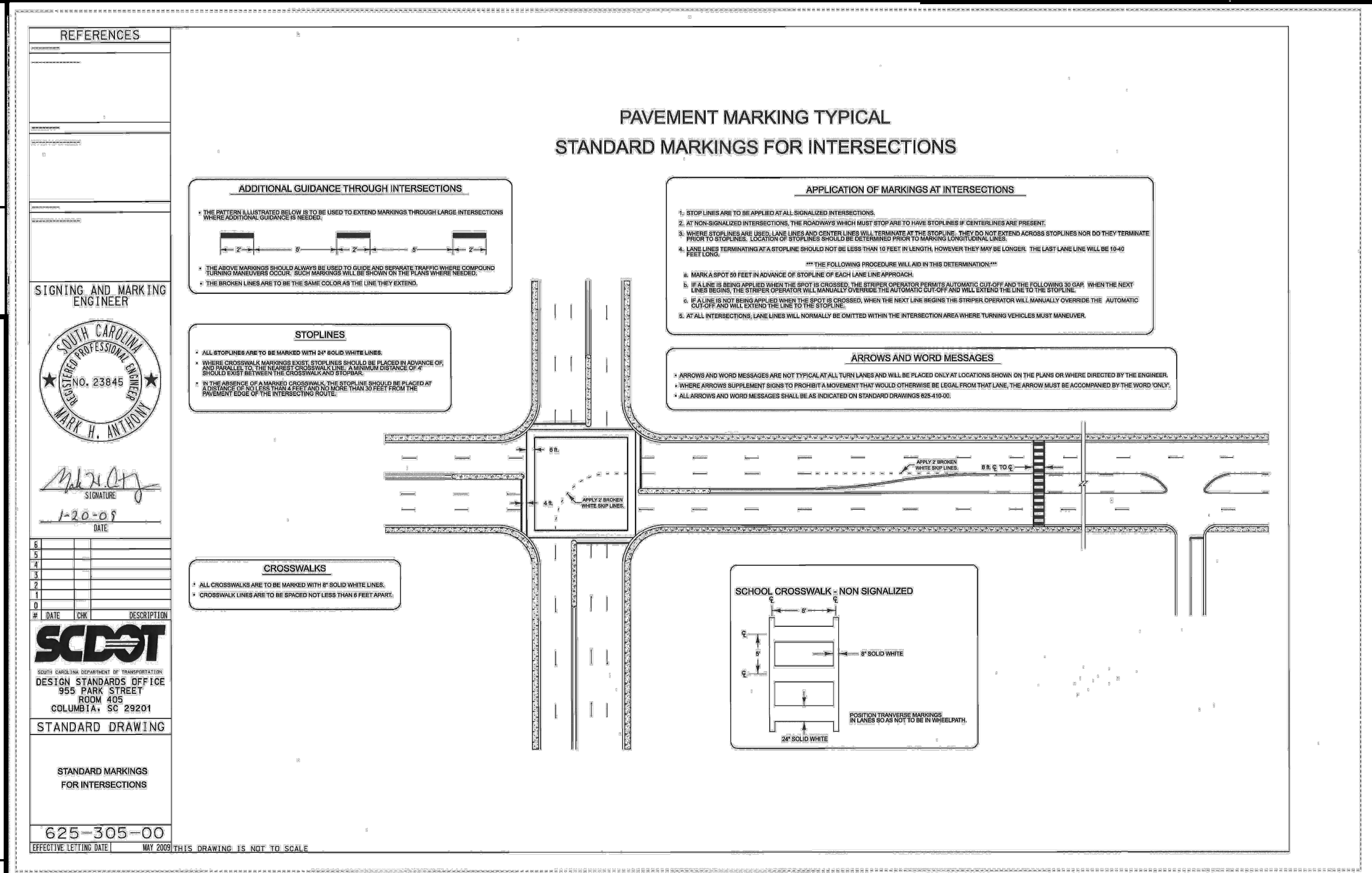
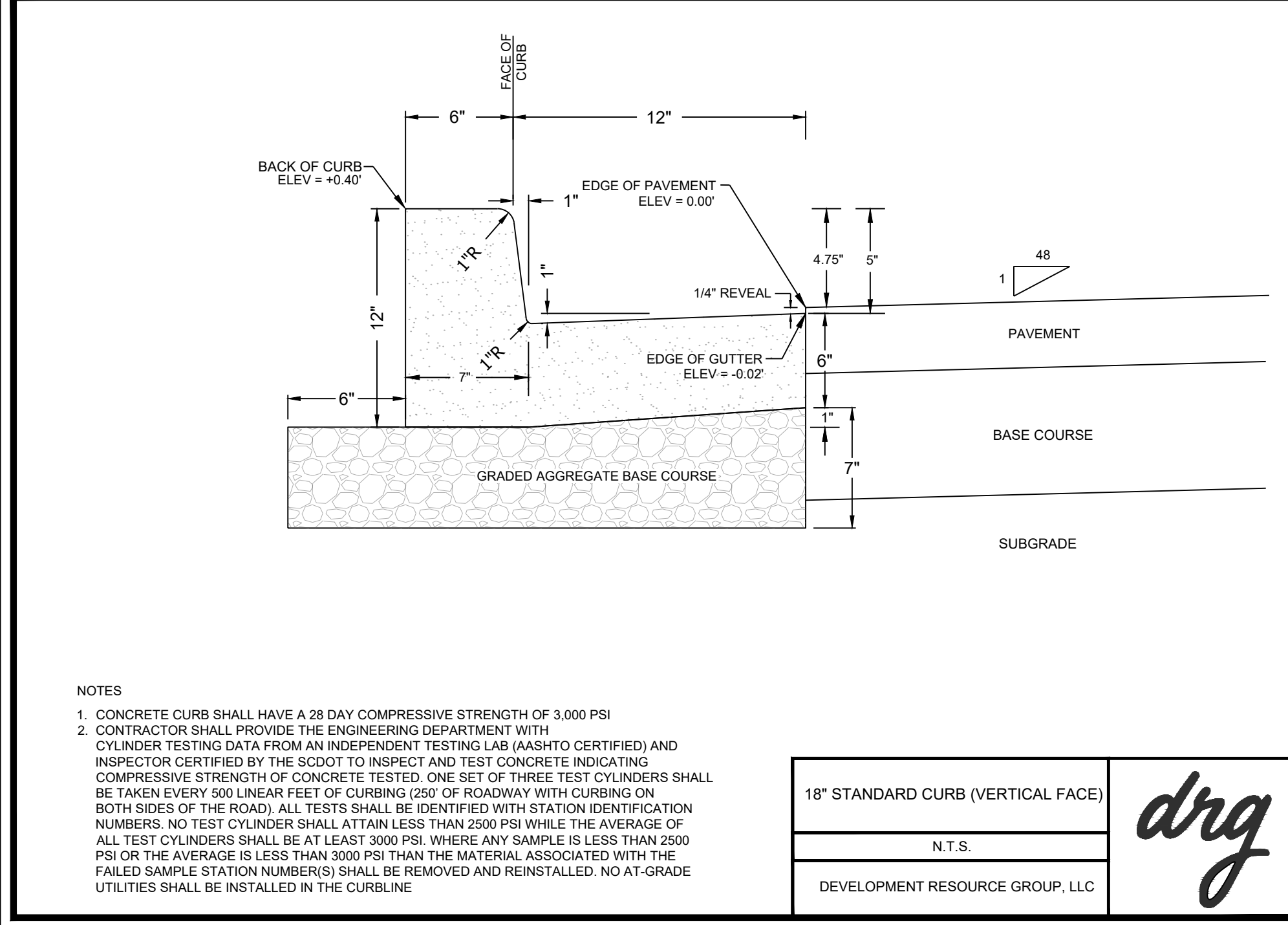
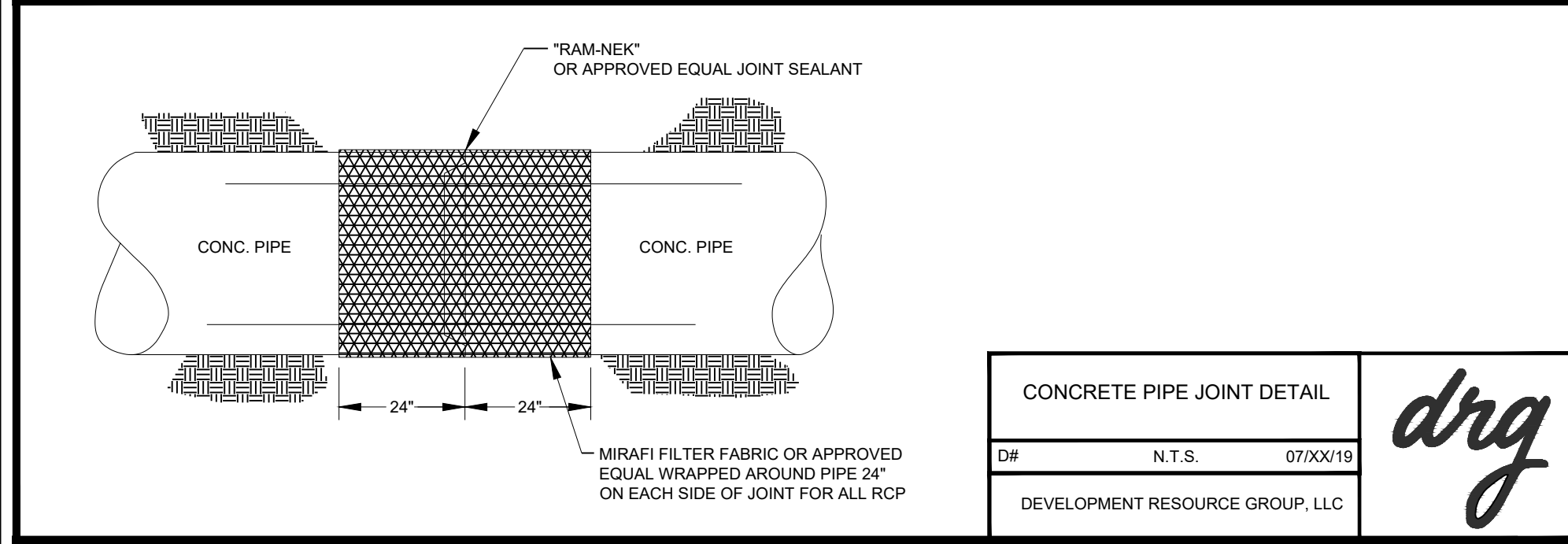
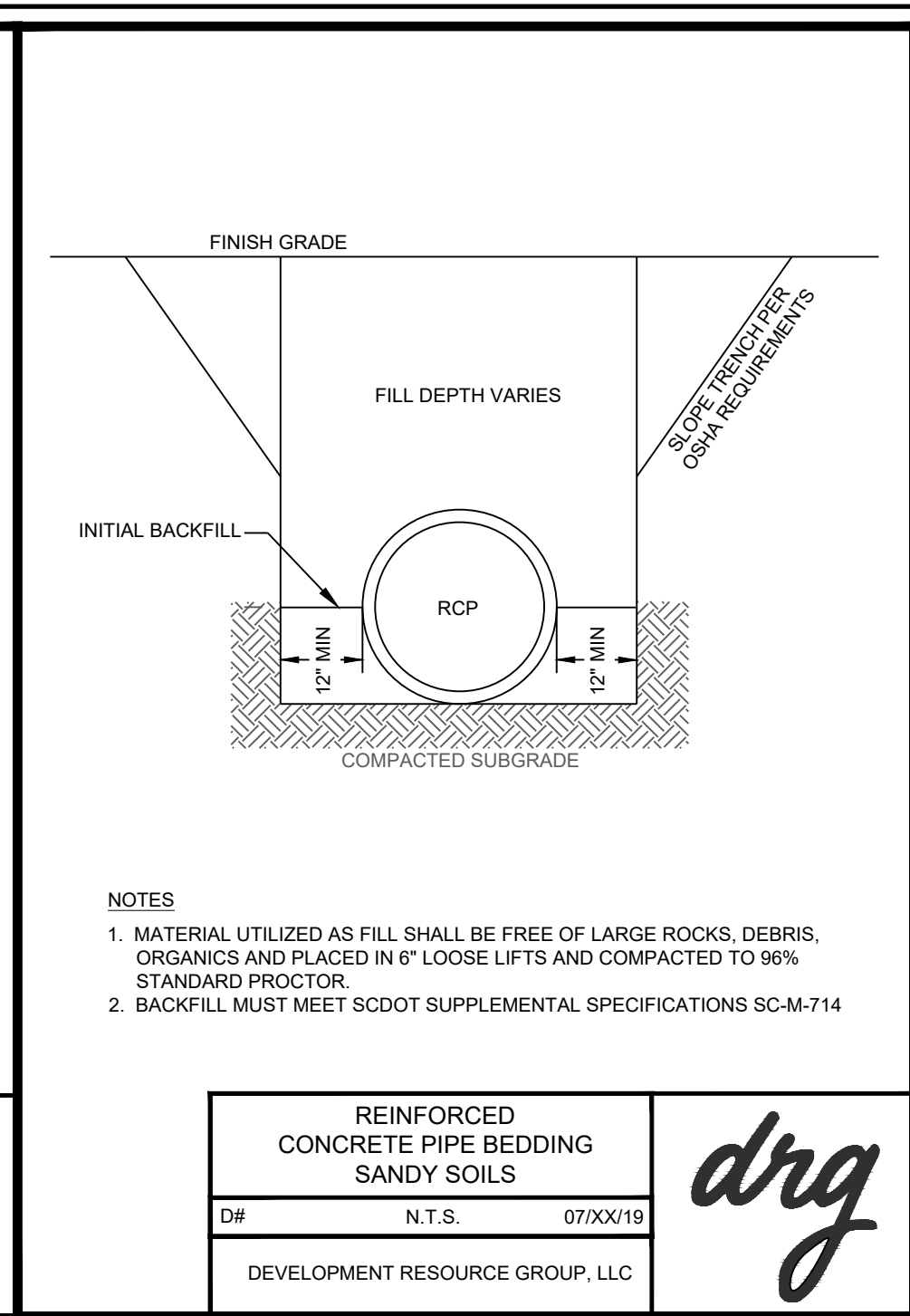
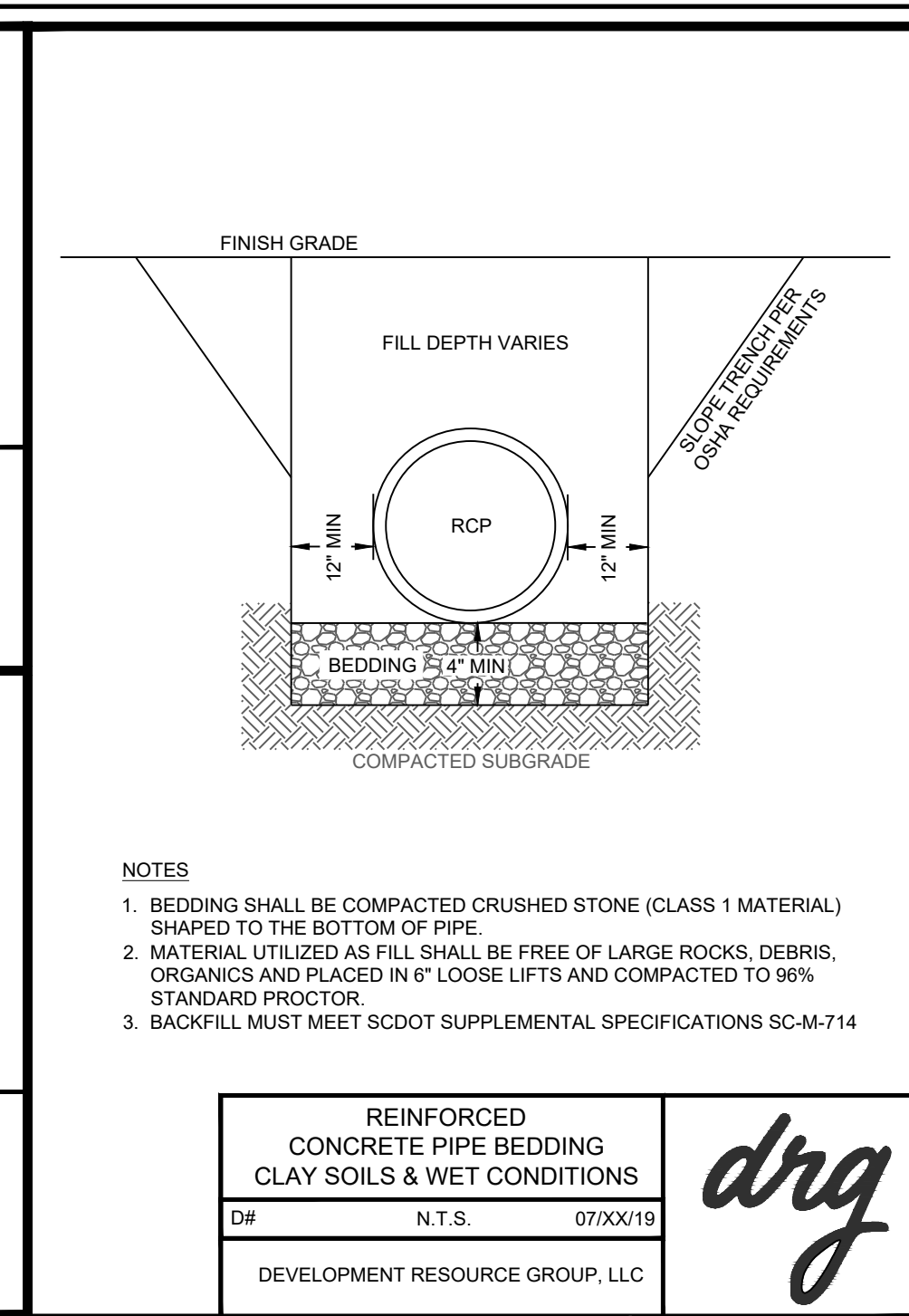
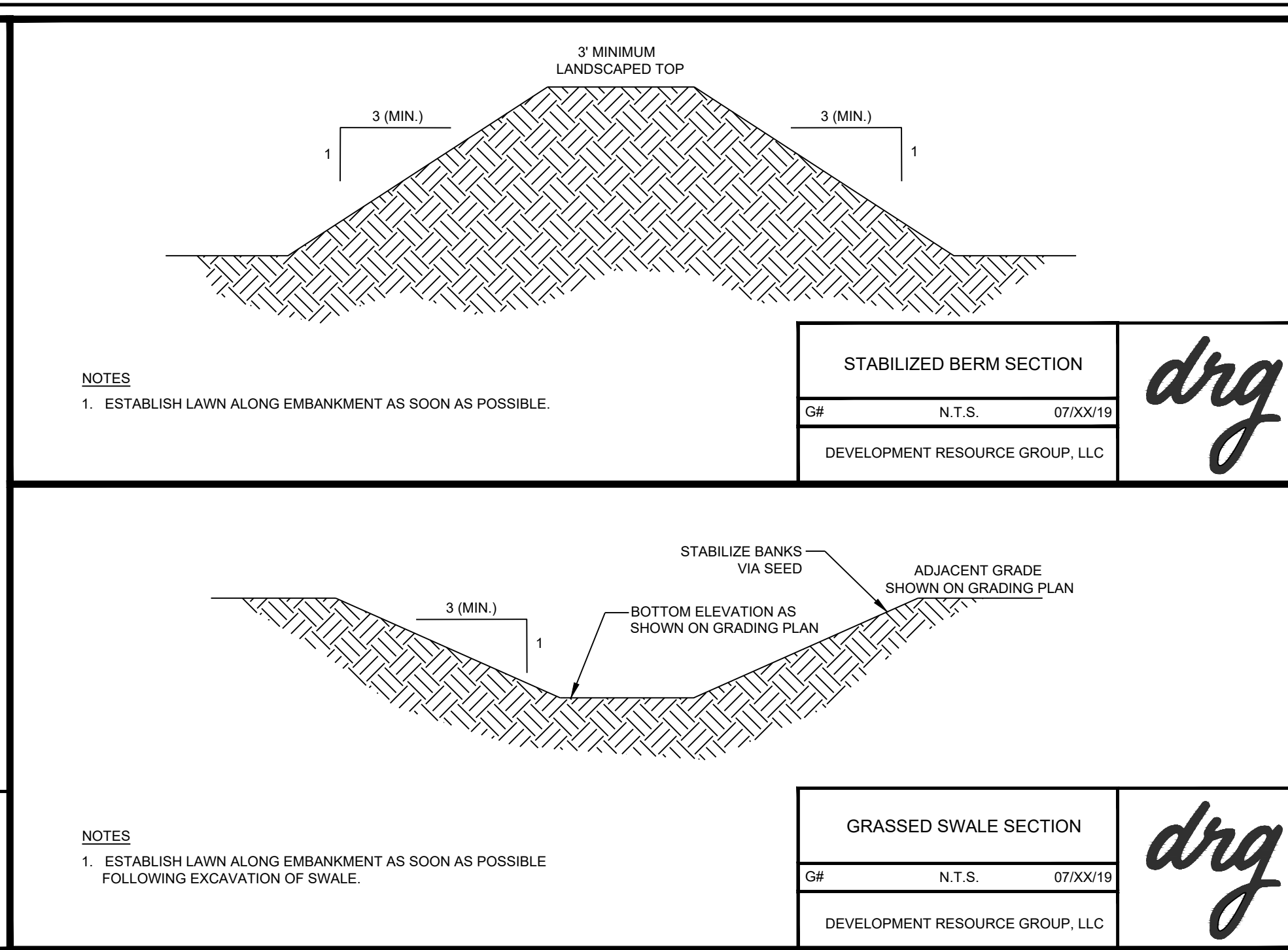
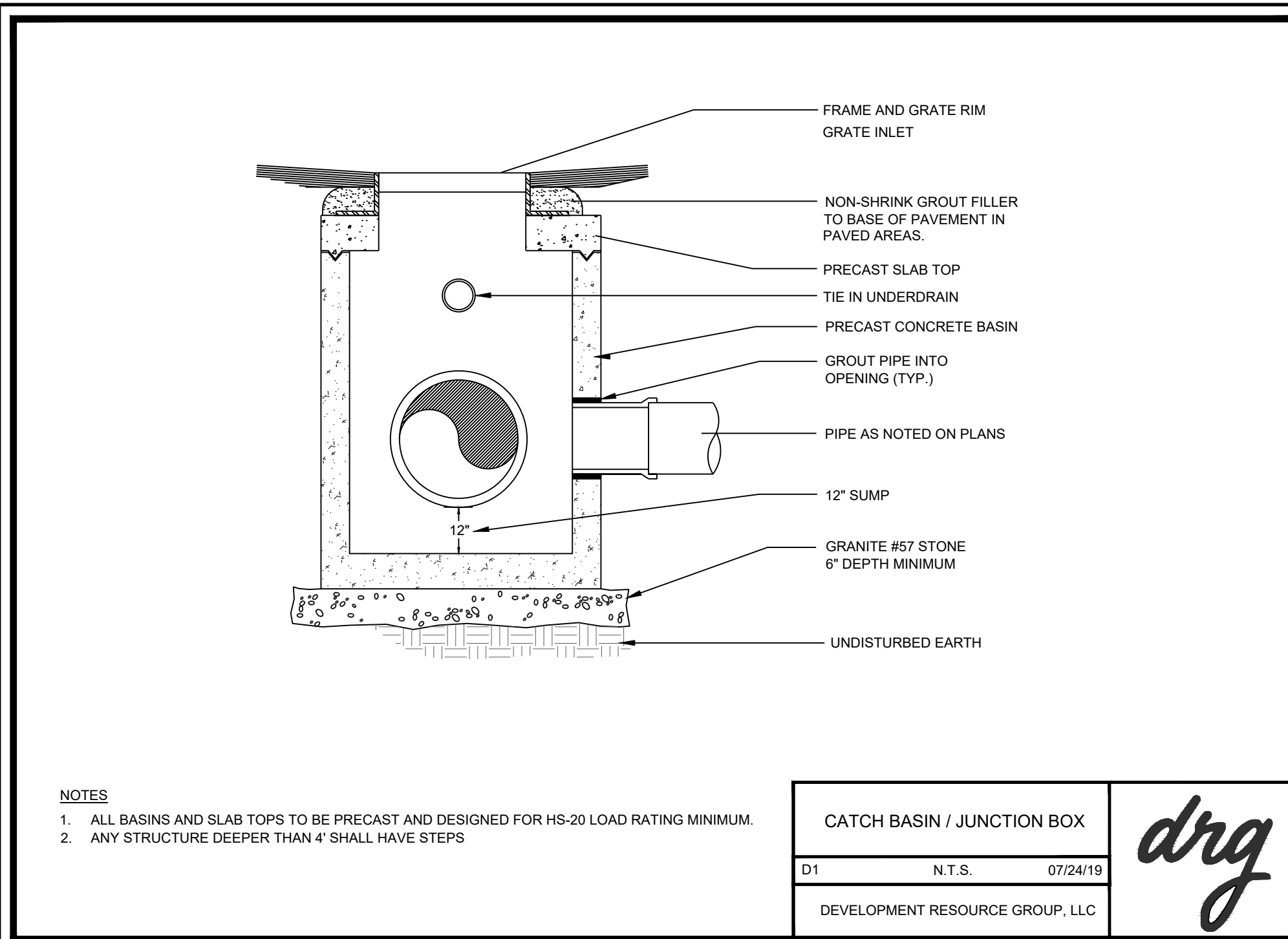
PREPARED FOR:
 Horry County Schools
 335 FOUR MILE ROAD
 CONWAY, SC 29526
 JOE BURCH

PLANS FOR CONSTRUCTION

JOB NO: 21.148
 SCALE: NTS
 DRAWN BY: PJC
 CHECKED BY: WAG
 APPROVED BY: WAG
 DATE: 03/15/2023

SHEET NUMBER:

C10.1



REFERENCES

1	SCDOT	DESIGN STANDARDS	23845
2	SCDOT	DESIGN STANDARDS	23845
3	SCDOT	DESIGN STANDARDS	23845
4	SCDOT	DESIGN STANDARDS	23845
5	SCDOT	DESIGN STANDARDS	23845
6	SCDOT	DESIGN STANDARDS	23845
7	SCDOT	DESIGN STANDARDS	23845
8	SCDOT	DESIGN STANDARDS	23845
9	SCDOT	DESIGN STANDARDS	23845
10	SCDOT	DESIGN STANDARDS	23845

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
905 PARK STREET
ROOM 405
COLUMBIA, SC 29201

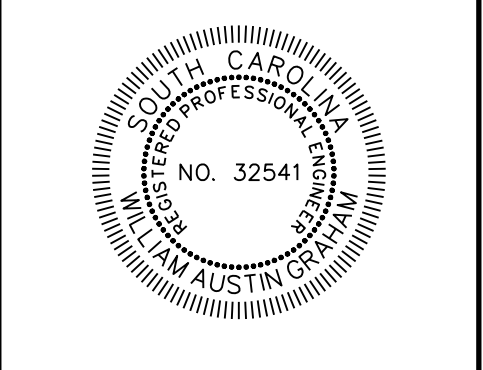
STANDARD DRAWING

STANDARD MARKINGS FOR INTERSECTIONS

625-305-00
EFFECTIVE LISTING SHEET NO. 2008 THIS DRAWING IS NOT TO SCALE



DEVELOPMENT RESOURCE GROUP, LLC
4703 OLEANDER DRIVE
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



DETAILS - 3

FANTASY HARBOUR BUS FACILITY

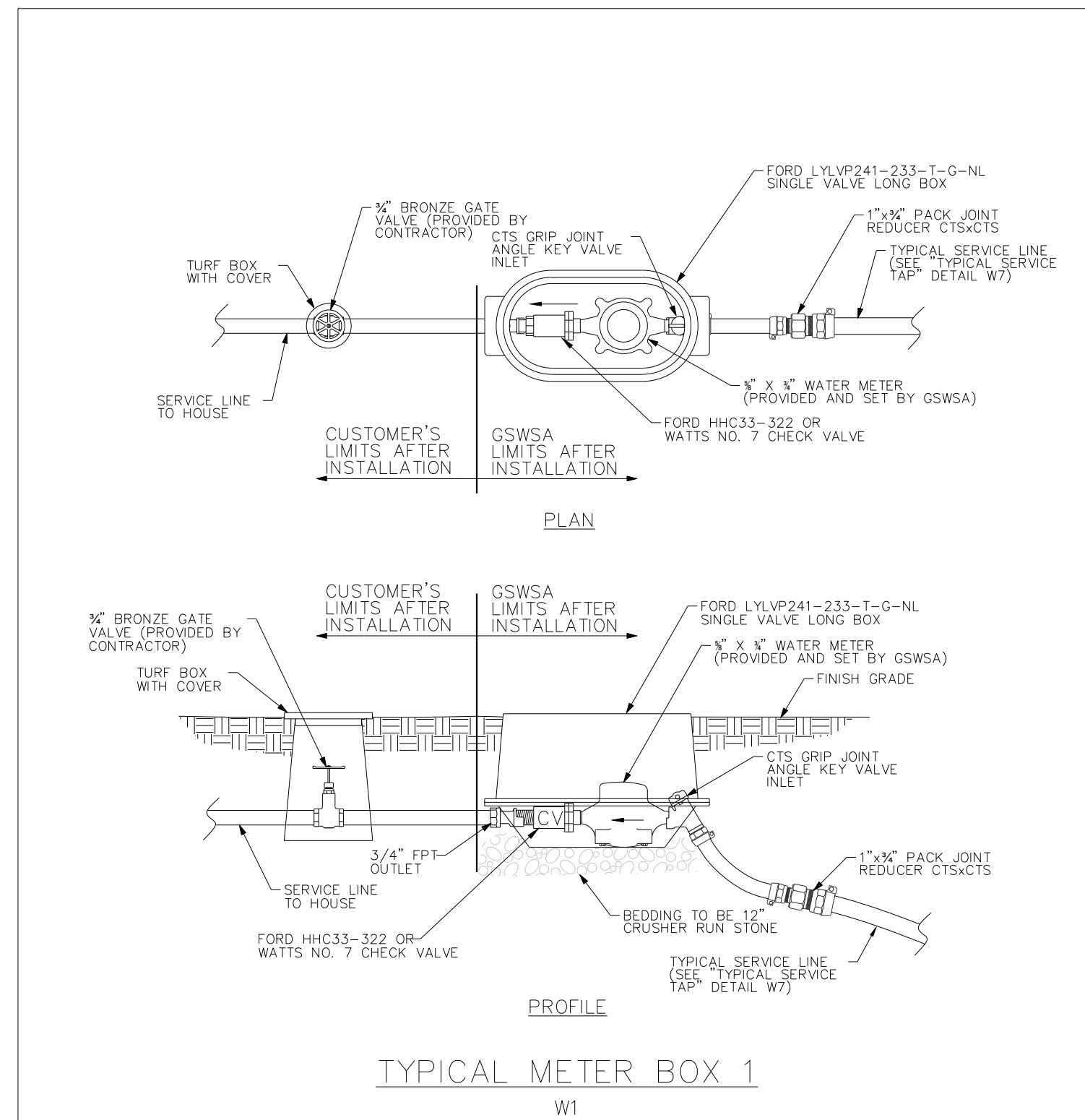
PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

PLANS FOR CONSTRUCTION

JOB NO:	21.148
SCALE:	NTS
DRAWN BY:	PJC
CHECKED BY:	WAG
APPROVED BY:	WAG
DATE:	03/15/2023

SHEET NUMBER:

C10.2

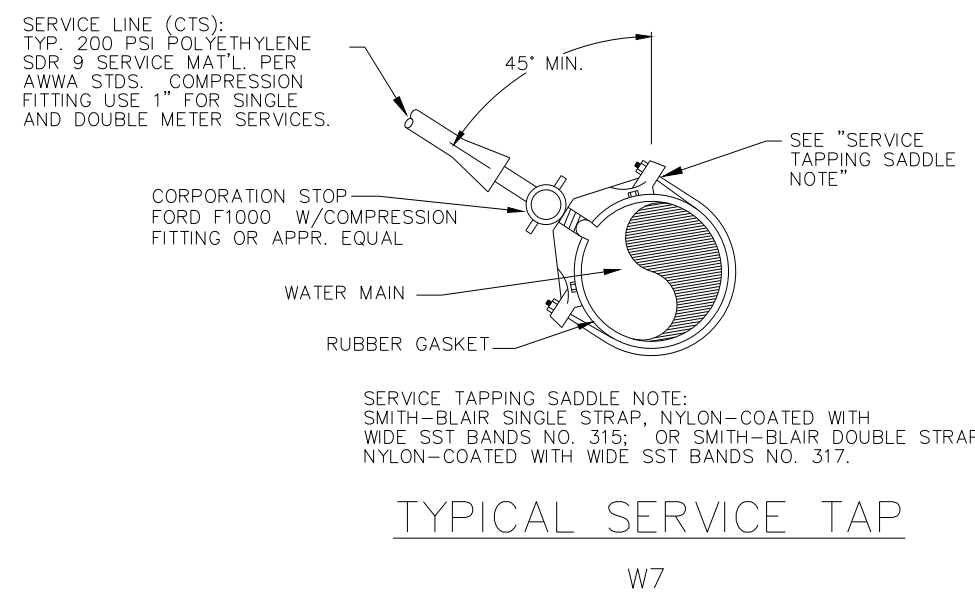


TYPICAL METER BOX 1
W1

TYPICAL WATER SERVICE DETAIL FOR FUTURE CUSTOMER CONNECTIONS (FOR GSWSA RURAL & CAPITAL PROJECTS ONLY)

WATER ONLY	W1
UPDATED: 10/29/2014	
GRAND STRAND WATER & SEWER AUTHORITY	

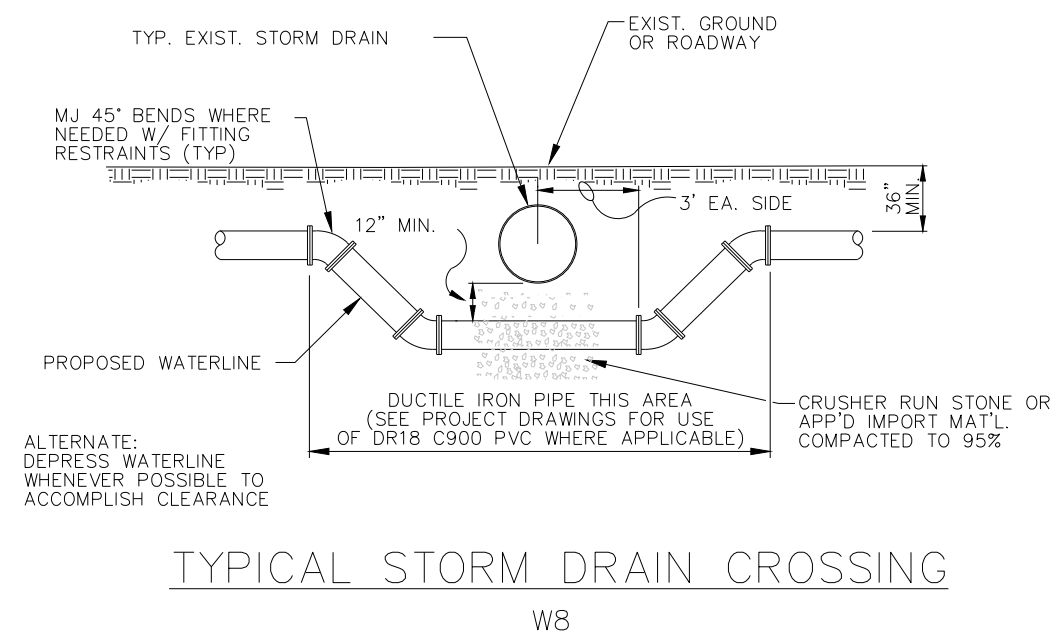
LATEST REVISION: 10/29/2014 DRT CORRECTED METER BOX SPECIFICATIONS



TYPICAL SERVICE TAP
W7

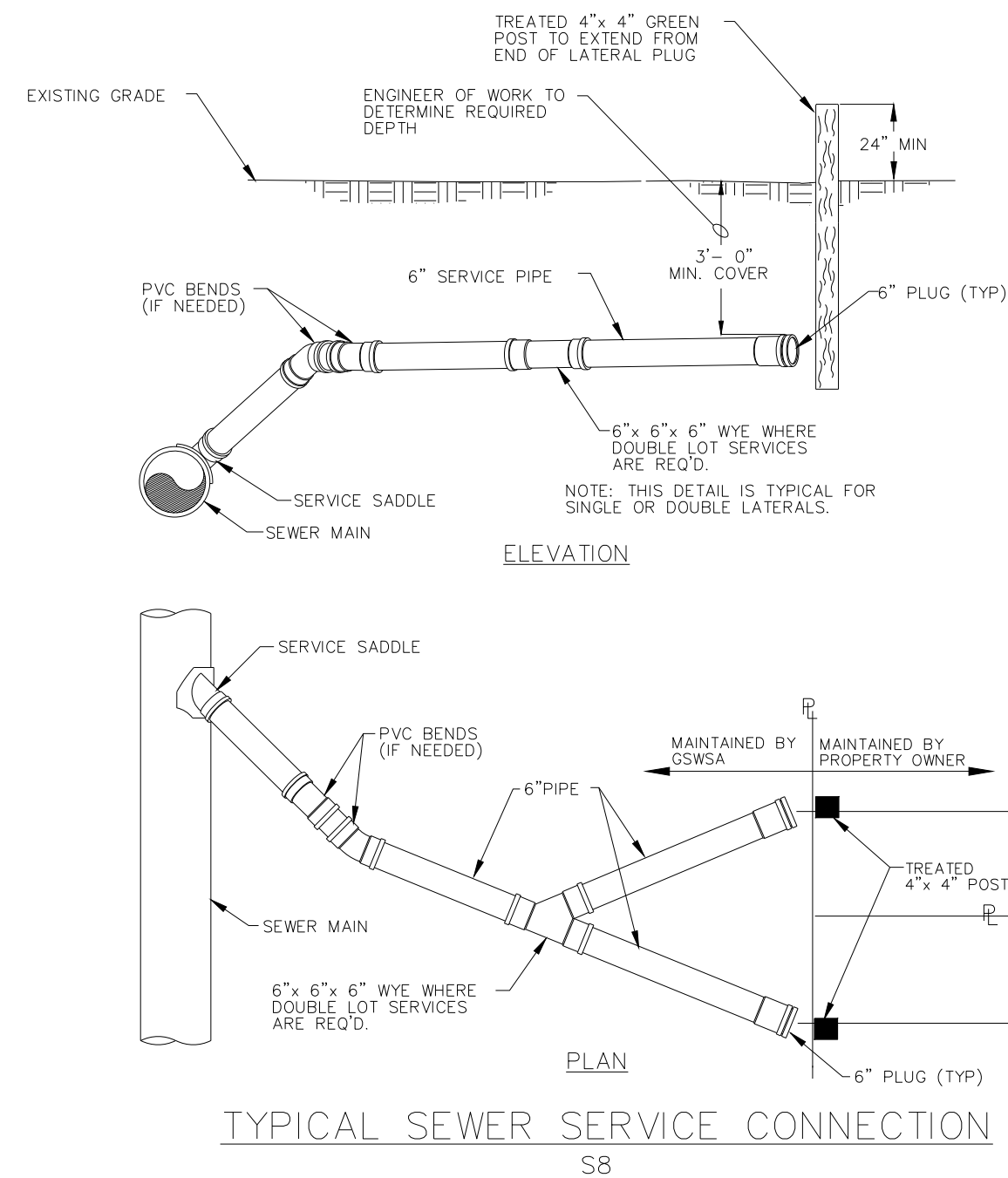
TYPICAL SERVICE TAP	W7
WATER ONLY	
UPDATED: 08/28/06	
GRAND STRAND WATER & SEWER AUTHORITY	

LATEST REVISION: 8/28/06 DRT CHANGED "PS" TO "CTS" SERVICE LINE



TYPICAL STORM DRAIN CROSSING
W8

TYPICAL STORM DRAIN CROSSING	W8
WATER ONLY	
UPDATED: 5/13/02	
GRAND STRAND WATER & SEWER AUTHORITY	



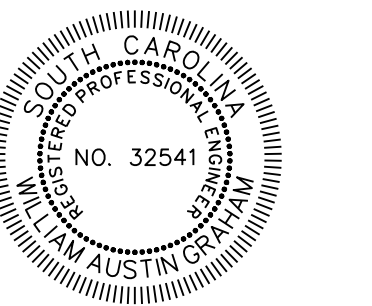
TYPICAL SEWER SERVICE CONNECTION
S8

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

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



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DETAILS - 4
FANTASY HARBOUR BUS FACILITY

PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

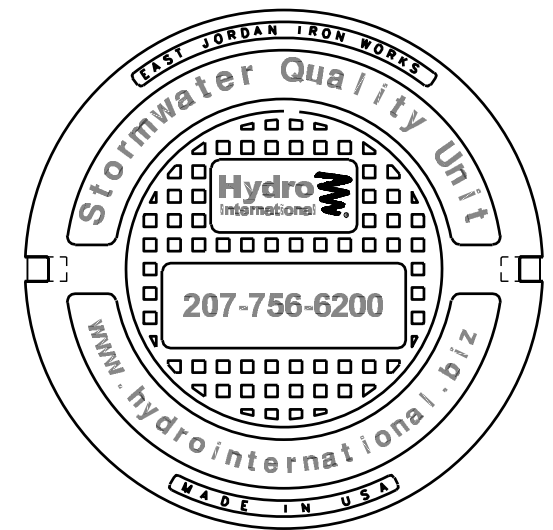
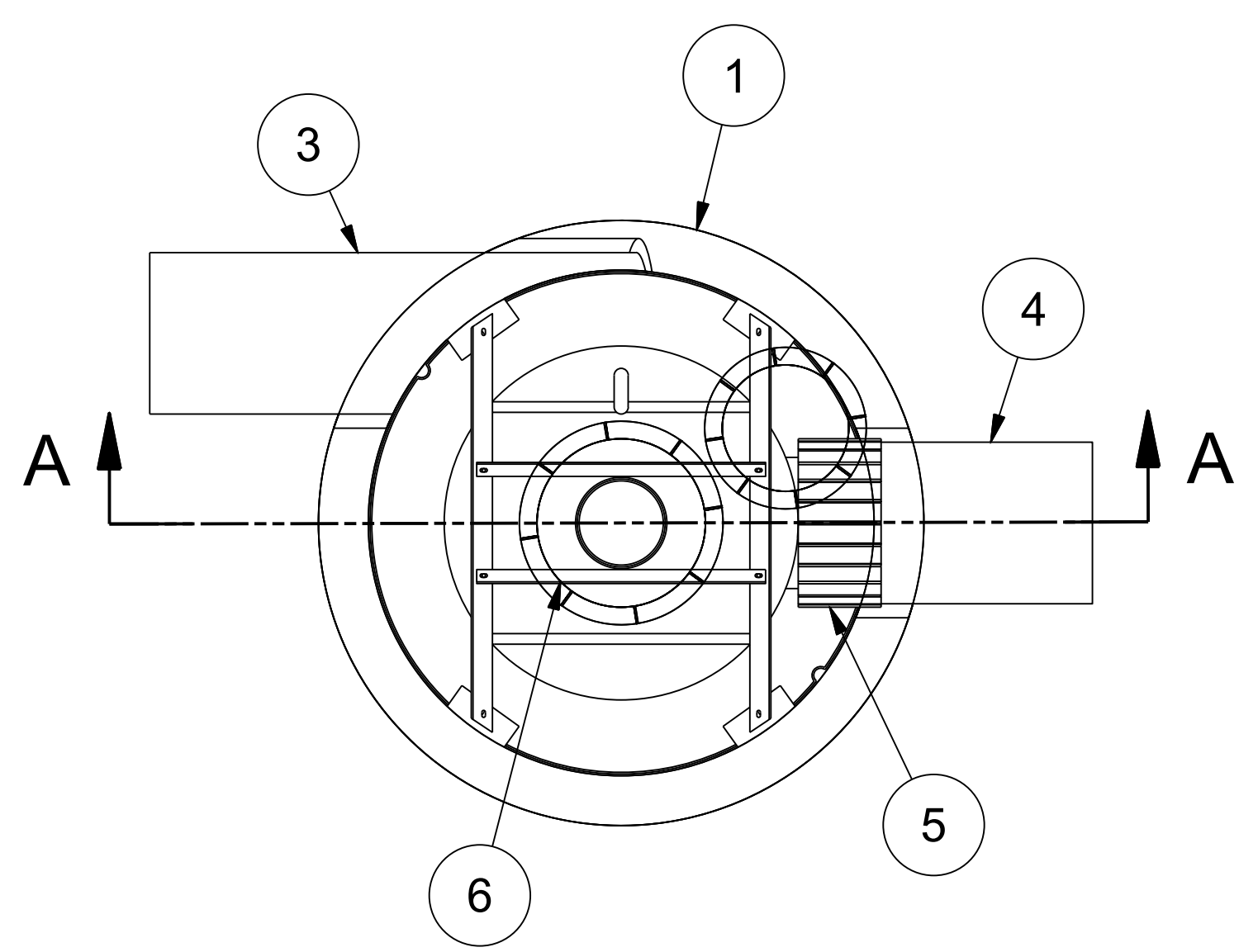
PLANS FOR CONSTRUCTION

JOB NO:	21.148
SCALE:	NTS
DRAWN BY:	PJC
CHECKED BY:	WAG
APPROVED BY:	WAG
DATE:	03/15/2023

SHEET NUMBER:

C10.3

3/15/2023 11:49 AM
P:121148-HCS-FANTASY HARBOUR BUS FACILITY\DESIGN\DRAWINGS\SHEET DRAWINGS\21148 COVER NOTES DETAILS.DWG



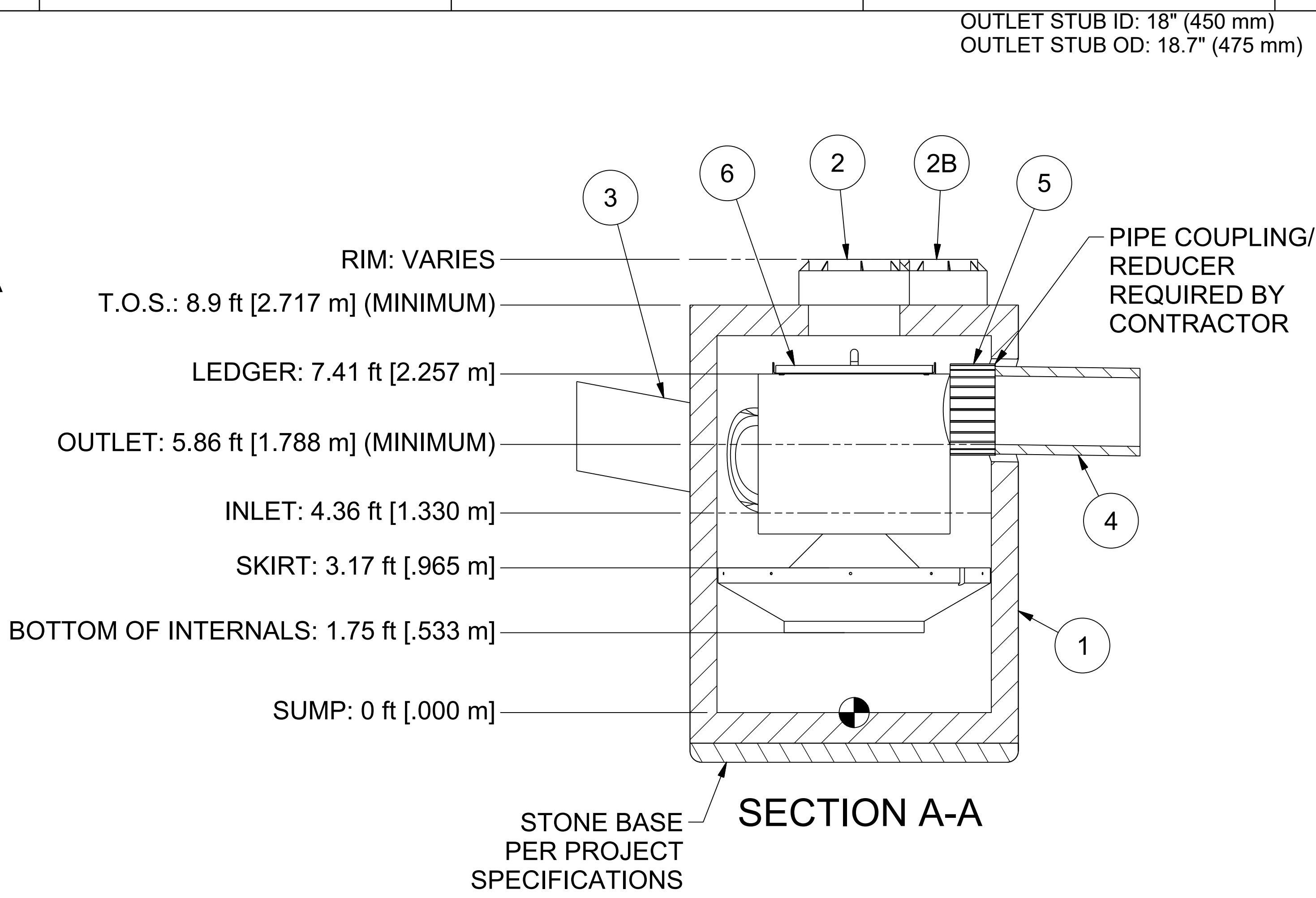
HYDRO FRAME AND COVER (INCLUDED)
GRADE RINGS BY OTHERS AS REQUIRED

EQUIPMENT PERFORMANCE

The stormwater treatment unit shall adhere to the hydraulic parameters given in the chart below and provide the removal efficiencies and storage capacities as follows:

1. The treatment system shall use an induced vortex to separate pollutants from stormwater runoff.
2. Peak Hydraulic Capacity: 8.0 cfs (227 l/s)
3. Sediment Storage Capacity: 2.10 cu. yd. (1.59 cu. m)
4. Continuous Oil Storage Capacity: 216 gal. (818 liters)
5. Sediment shall be stored in a zone that is isolated from the main flow path and protected from reentrainment by a benching skirt.
6. For more product information including regulatory acceptances, please visit <https://hydro-int.com/en/products/downstream-defender>

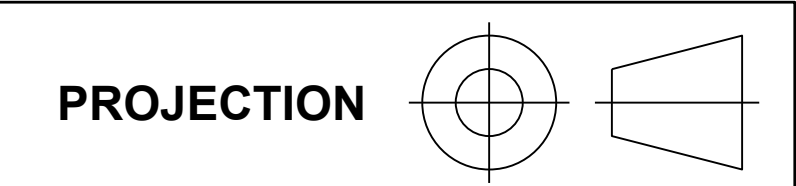
ANY WARRANTY GIVEN BY HYDRO INTERNATIONAL WILL APPLY ONLY TO THOSE ITEMS SUPPLIED BY IT. ACCORDINGLY HYDRO INTERNATIONAL CANNOT ACCEPT ANY RESPONSIBILITY FOR ANY STRUCTURE, PLANT, OR EQUIPMENT, (OR THE PERFORMANCE THERE OF) DESIGNED, BUILT, MANUFACTURED, OR SUPPLIED BY ANY THIRD PARTY. HYDRO INTERNATIONAL HAVE A POLICY OF CONTINUOUS DEVELOPMENT AND RESERVE THE RIGHT TO AMEND THE SPECIFICATION. HYDRO INTERNATIONAL CANNOT ACCEPT LIABILITY FOR PERFORMANCE OF ITS EQUIPMENT, (OR ANY PART THEREOF), IF THE EQUIPMENT IS SUBJECT TO CONDITIONS OUTSIDE ANY DESIGN SPECIFICATION. HYDRO INTERNATIONAL OWNS THE COPYRIGHT OF THIS DRAWING, WHICH IS SUPPLIED IN CONFIDENCE. IT MUST NOT BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUPPLIED AND MUST NOT BE REPRODUCED, IN WHOLE OR IN PART, WITHOUT PRIOR PERMISSION IN WRITING FROM HYDRO INTERNATIONAL.



NOTE: NOT FOR CONSTRUCTION.
CONTACT HYDRO FOR SITE SPECIFIC DETAIL

PARTS LIST

ITEM	QTY	SIZE (in)	SIZE (mm)	DESCRIPTION
1	1	72	1800	PRECAST MANHOLE (BY HYDRO VIA PRECASTER)
2	3	24	600	FRAME AND COVER
2B	1	18	450	FRAME AND COVER
3	1	18 (MAX)	450 (MAX)	MAX INLET PIPE (BY OTHERS)
4	1	18 (MAX)	450 (MAX)	MAX OUTLET PIPE (BY OTHERS)
5	1			PIPE COUPLING (BY OTHERS)
6	1			INTERNAL COMPONENTS (PRE-INSTALLED)



IF IN DOUBT ASK

COMMENTS:
1. MANHOLE WALL AND SLAB THICKNESSES ARE NOT TO SCALE.
2. CONTACT HYDRO INTERNATIONAL FOR A BOTTOM OF STRUCTURE ELEVATION PRIOR TO SETTING DOWNSTREAM DEFENDER MANHOLE.

DATE: 11/8/19
SCALE: NTS
DRAWN BY: GW
CHECKED BY:
APPROVED BY:

Title
6ft-DIAMETER DOWNSTREAM DEFENDER



DO NOT SCALE DRAWING
STEEL FABRICATION TOLERANCES
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

LINEAR: 000 - 012in = ±0.04in, 012 - 024in = ±0.06in, 024 - 048in = ±0.08in, 048 - 120in = ±0.12in, 120in >>>> = ±0.20in
ANGULAR: 000 - 120in = ±1°, 120 - 240in = ±0.5°, 240in >>>> = ±0.25°

WEIGHT: MATERIAL:
REFERENCE NUMBER:
DRAWING NO.:
SHEET SIZE: SHEET: Rev: -



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DETAILS - 5
FANTASY HARBOUR BUS FACILITY
PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH
PLANS FOR CONSTRUCTION

JOB NO: 21.148
SCALE: NTS
DRAWN BY: PJC
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023

SHEET NUMBER:

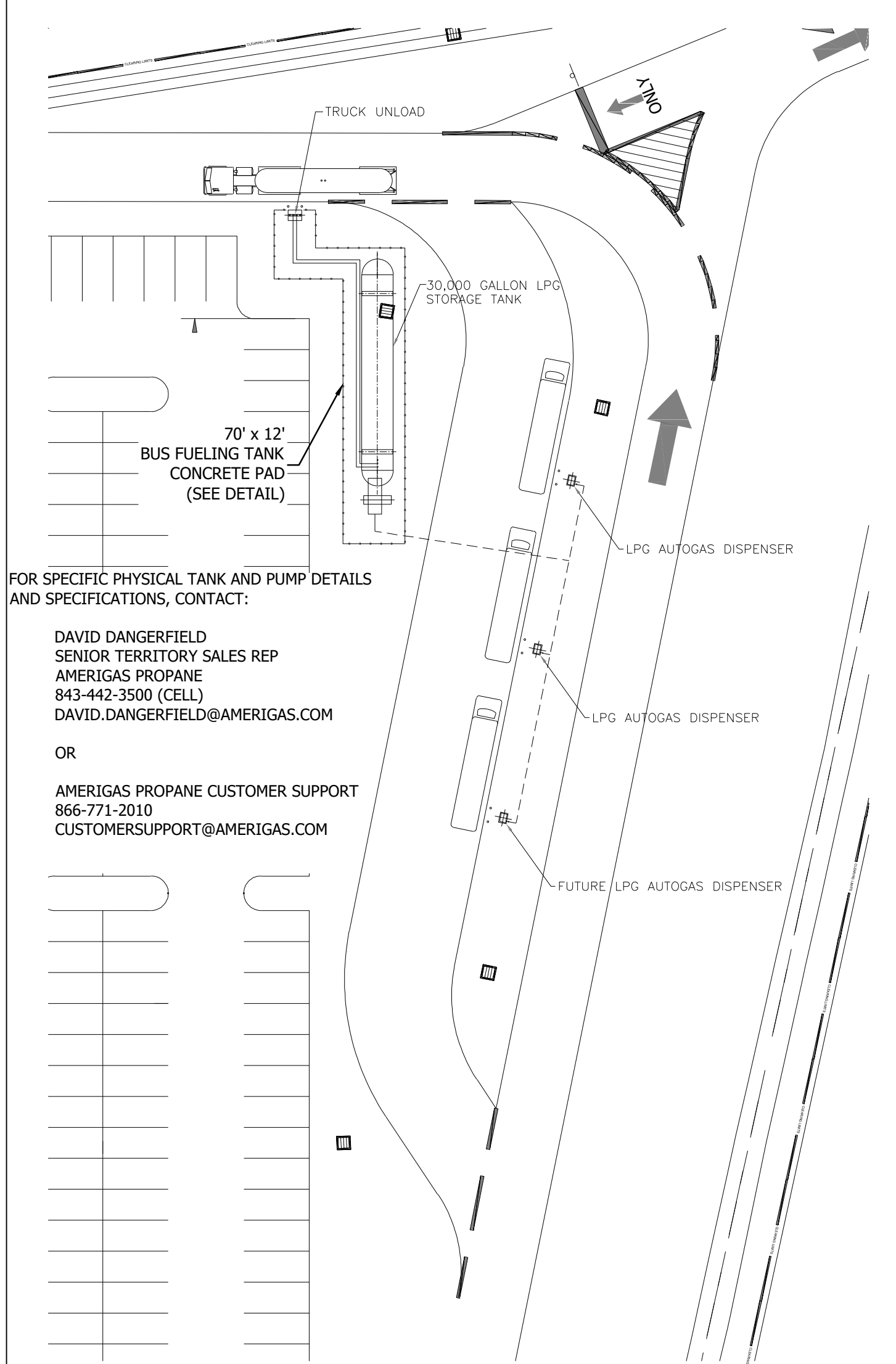
C10.4

AMERIGAS PRODUCTS WERE USED FOR THE BASIS OF DESIGN

FOR SPECIFIC PHYSICAL TANK AND PUMP DETAILS AND SPECIFICATIONS, CONTACT:

DAVID DANGERFIELD
SENIOR TERRITORY SALES REP
AMERIGAS PROPANE
843-442-3500 (CELL)
DAVID.DANGERFIELD@AMERIGAS.COM

AMERIGAS PROPANE CUSTOMER SUPPORT
866-771-2010
CUSTOMERSUPPORT@AMERIGAS.COM

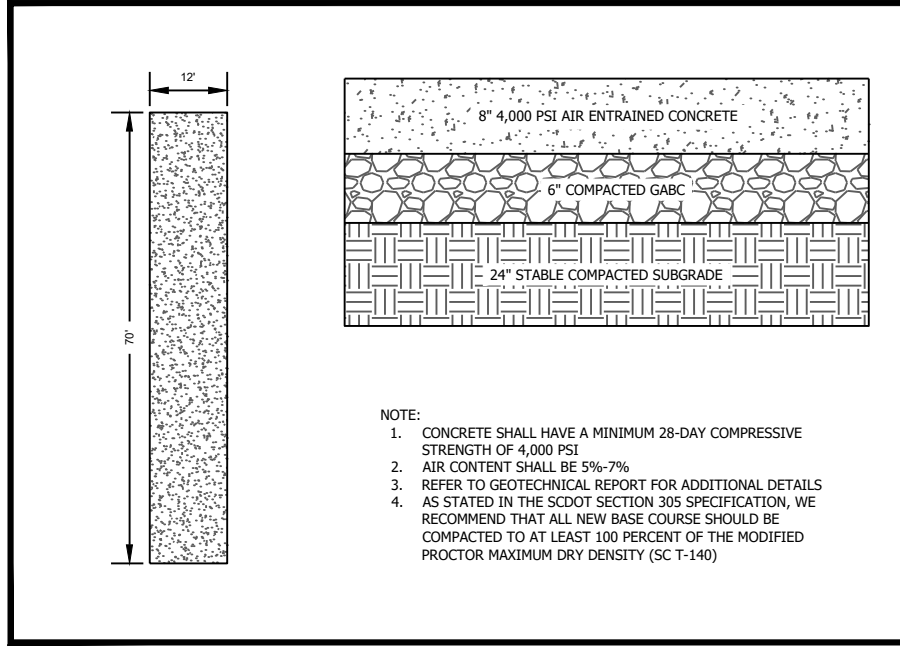


FOR SPECIFIC PHYSICAL TANK AND PUMP DETAILS AND SPECIFICATIONS, CONTACT:

DAVID DANGERFIELD
SENIOR TERRITORY SALES REP
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843-442-3500 (CELL)
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OR

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CUSTOMERSUPPORT@AMERIGAS.COM



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AMERIGAS PROPANE
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DAVID.DANGERFIELD@AMERIGAS.COM

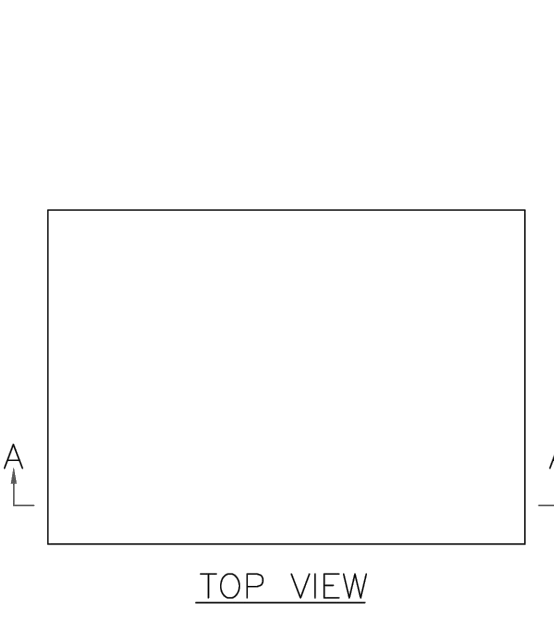
OR

AMERIGAS PROPANE CUSTOMER SUPPORT
866-771-2010
CUSTOMERSUPPORT@AMERIGAS.COM

BUS FUELING TANK
CONCRETE PAD
PAVEMENT SECTION

DR N.T.S. 12/2022

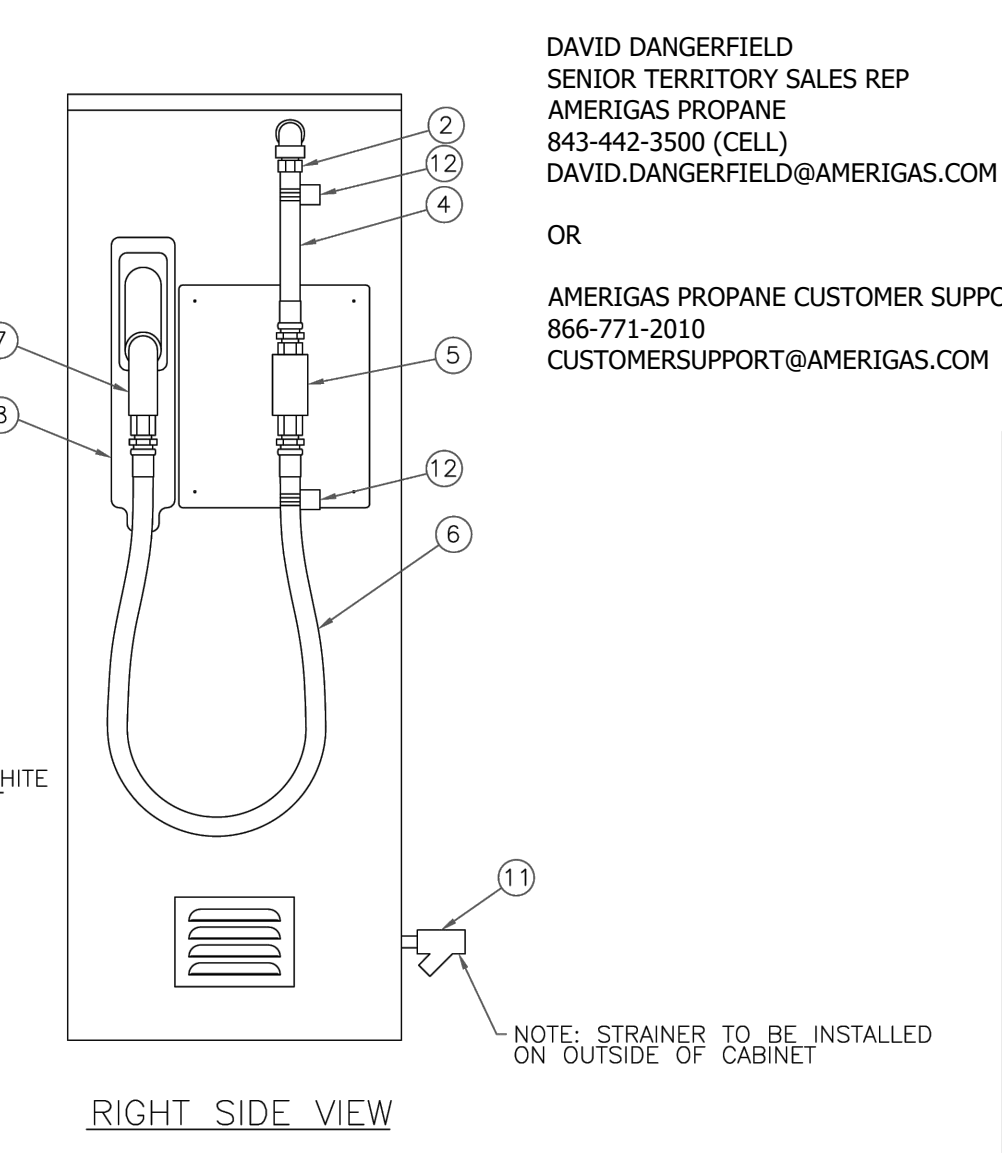
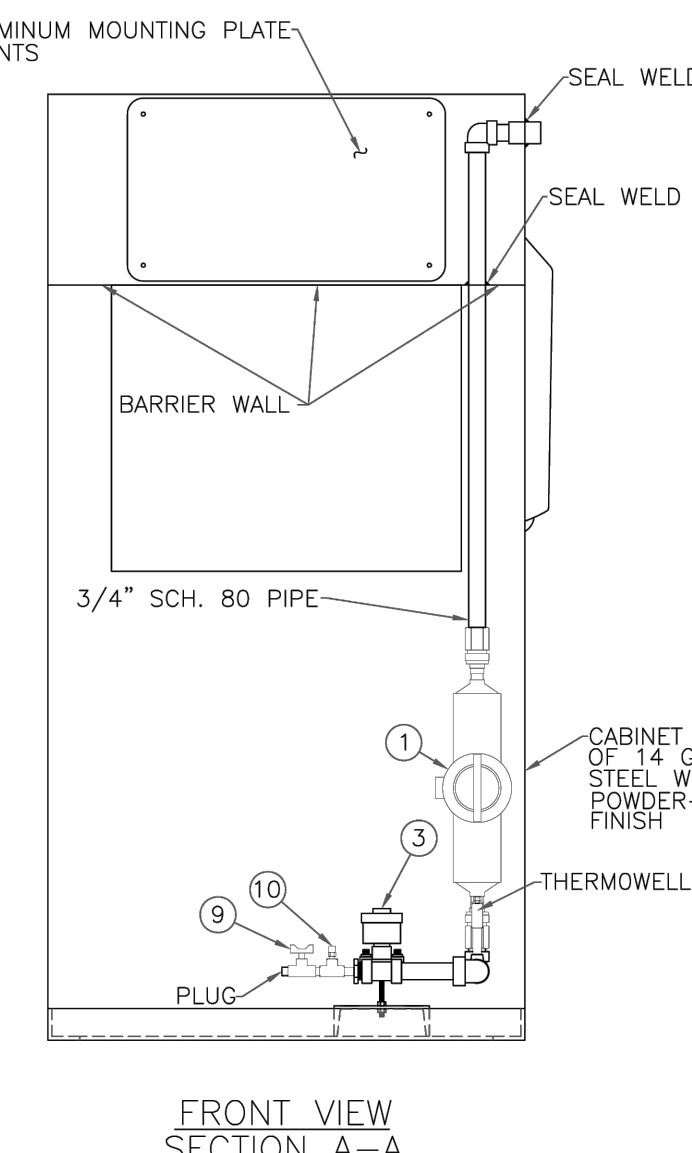
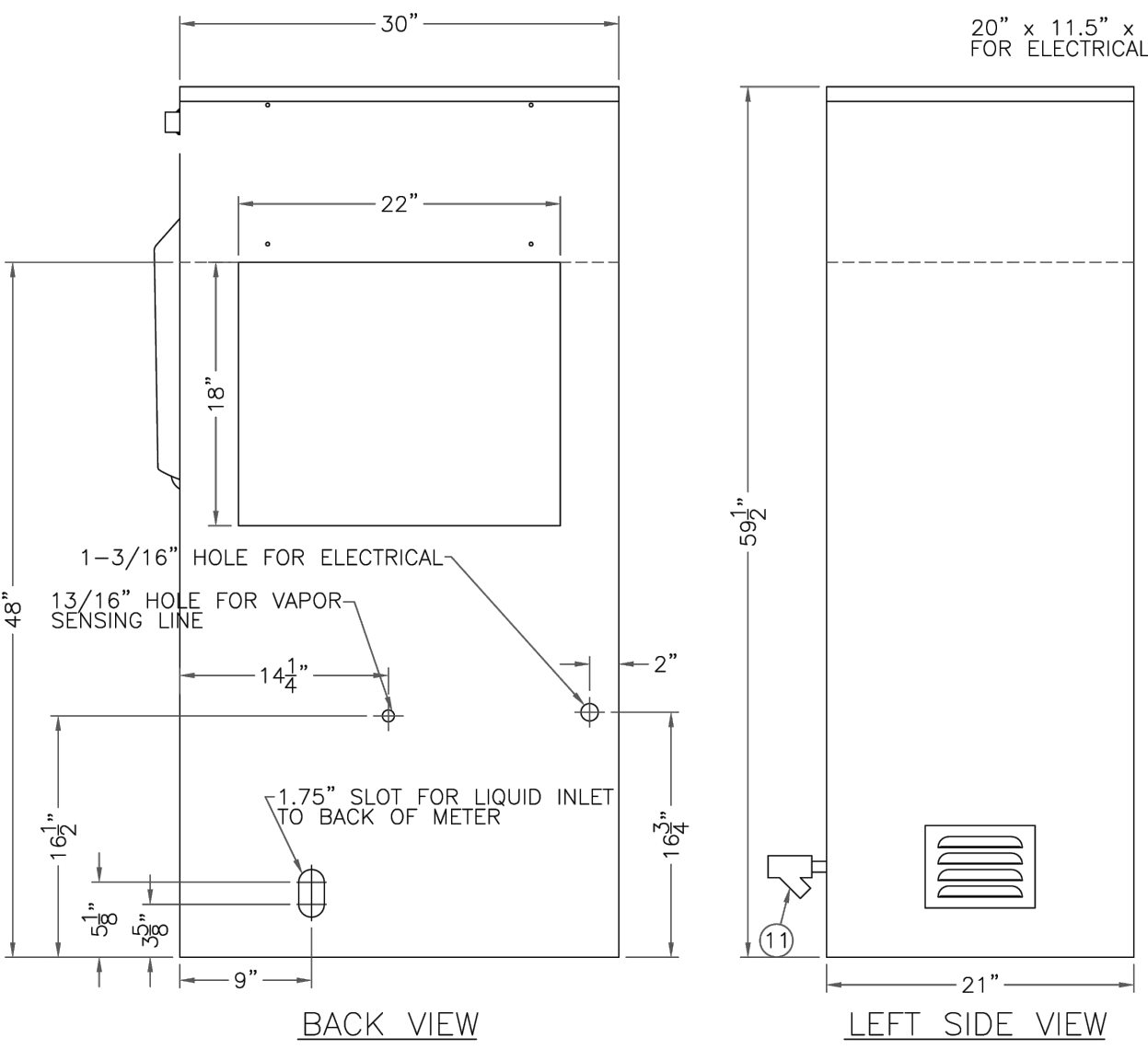
ITEM	QTY.	MANUFACTURER	MODEL No.	PART DESCRIPTION	UL LISTED
1	1	EMERSON OR E&H	F050S239CCEAZZZZ OR 8FE15-ACWSANAB1NN	3/4" METER, CORIOLIS, MASS MEASUREMENT	✓
2	1	REGO or MEC	32327G or MEB80-6/28	3/4" EXCESS FLOW VALVE	✓
3	2	ASCO	HV2267871 or EF8210G026	3/4" SOLENOID, EX-PROOF	✓
4	1	PARKER CONITECH	7132 103236661	3/4" HOSE x 12" LONG	✓
5	1	REGO	A2141462	3/4" BREAKAWAY	✓
6	1	PARKER or CONITECH	7132 103236661	3/4" HOSE, 6' - 12' LONG	✓
7	1	GASGUARD OR STAUBLI	GG20S OR GPV 14	AUTO FUEL NOZZLE	✓
8	1	RELIABLE OIL	MO5912A001	NOZZLE BOOT	✓
9	1	RuB	S92B47	BALL VALVE, 600# WOG, 1/4" MNPT/FNPT, BRONZE	✓
10	1	MEC	MEH225	1/4" RELIEF VALVE SET @ 440 PSI +/- 5%	✓
11	1	APOLLO	59-005	1" STRAINER, FNPT, BRONZE	✓
12	1	FLAGRO	S52131/2-2	HOSE ASSEMBLY TAG	✓
13	-	-	-	-	-
14	-	-	-	-	-



Notes:

- NFPA 30A Excludes Propane and Butane vehicle refueling dispensers Section 1.1.2.
- NFPA 70 The National Electrical Code Section 500.4 shows that NFPA 58 sets the electrical classified area
- NFPA 58 Table 6.2.2.2 Electrical Area Classification Part G
- NFPA 58 Table 6.5.3 Distance Between Point of Transfer and Exposure
Part F refers to space from LG-Gas dispensing as 10' from Public ways including Public streets, highways, thoroughfares and sidewalks. If the dispenser is installed in a gas station the paved areas in the gas station are not considered Public Streets etc. However if there is a public side walk the dispenser will have to meet this spacing requirement.
- NFPA 58 section 6.2.4.1 Installation of Vehicle Fuel Dispensers
- NFPA 58 section 6.2.4.3 Section 1 & 2 low emission nozzle allows spacing for other dispensers (gasoline & diesel) to be reduced to 5'

Note: Alliance Auto Gas dispensers use a low emission 2 CC filling nozzle.



NOTES: 1) BUILT IN COMPLIANCE WITH UL 495
2) PIPE WELDING PERFORMED BY PERSONNEL CERTIFIED UNDER ASME SECTION IX

SUPERIOR ENERGY SYSTEMS LTD.		1360 North Station Rd., Columbia Station (Cleveland), Ohio 44028 USA	
D	REVISED: BOM	8/3/20	BSD
C	REVISED: BOM	4/20/16	BSD
B	REVISED: BOM	9/15/16	BSD
A	INITIAL RELEASE	2/24/16	BSD
NO.	REVISION	DATE	BY
		2/24/16	PAFD

FOR SPECIFIC PHYSICAL TANK AND PUMP DETAILS AND SPECIFICATIONS, CONTACT:

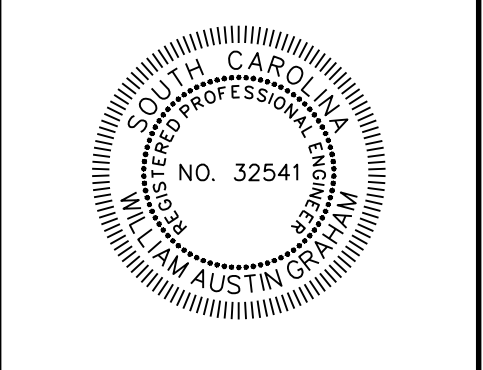
DAVID DANGERFIELD
SENIOR TERRITORY SALES REP
AMERIGAS PROPANE
843-442-3500 (CELL)
DAVID.DANGERFIELD@AMERIGAS.COM

OR

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CUSTOMERSUPPORT@AMERIGAS.COM



DEVELOPMENT RESOURCE GROUP, LLC
4703 OLEANDER DRIVE
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



BUS FUELING STATION DETAILS
FANTASY HARBOUR BUS FACILITY

PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

PLANS FOR CONSTRUCTION

JOB NO: 21.148
SCALE: NTS
DRAWN BY: PJC
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023
SHEET NUMBER:

C10.5

REFERENCES

NATIONAL DOCUMENTS
MASH REPORT(S):
TRP-03-173-08
TRP-03-172-08
TRP-03-320-18

SCDOT DOCUMENTS

RELATED DRAWINGS & KEYWORDS
805-215-00
805-210-00
DESIGN DEFLECTION = 7'-0"

THIS DRAWING IS ONLY VALID FOR CONSTRUCTION WHEN SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA. CHECK WWW.SCDOT.ORG FOR LATEST UPDATE.

NO. 19782
SCDOT PROFESSIONAL ENGINEER
ROBERT BEDEINGRICH

Signature: Robert Bedeingrich, Jr.
DATE: 03/30/18

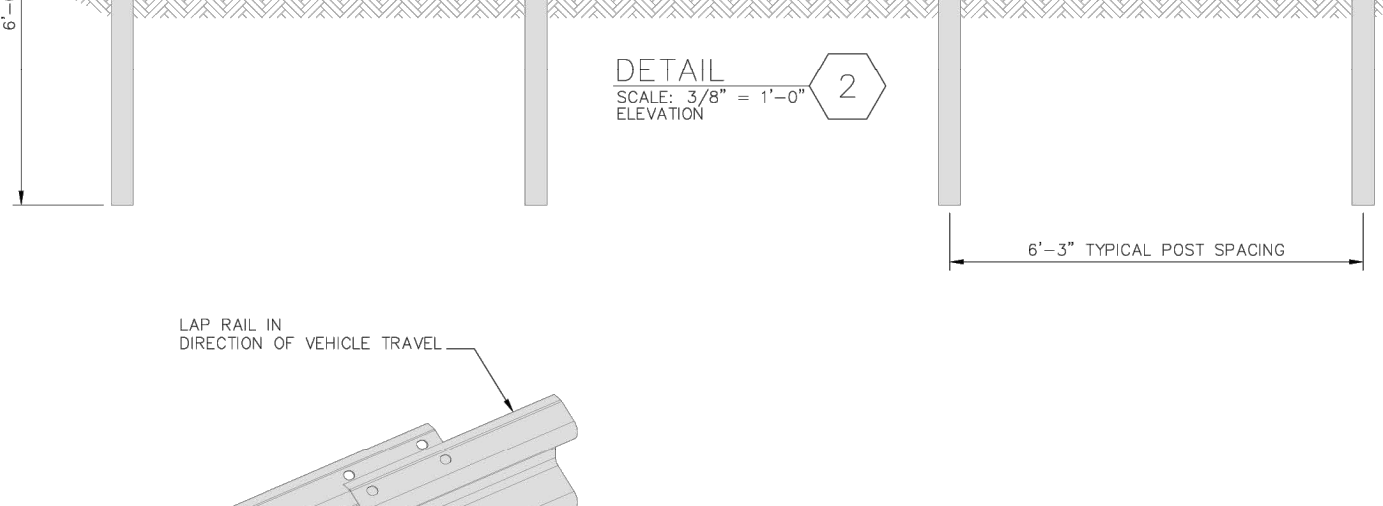
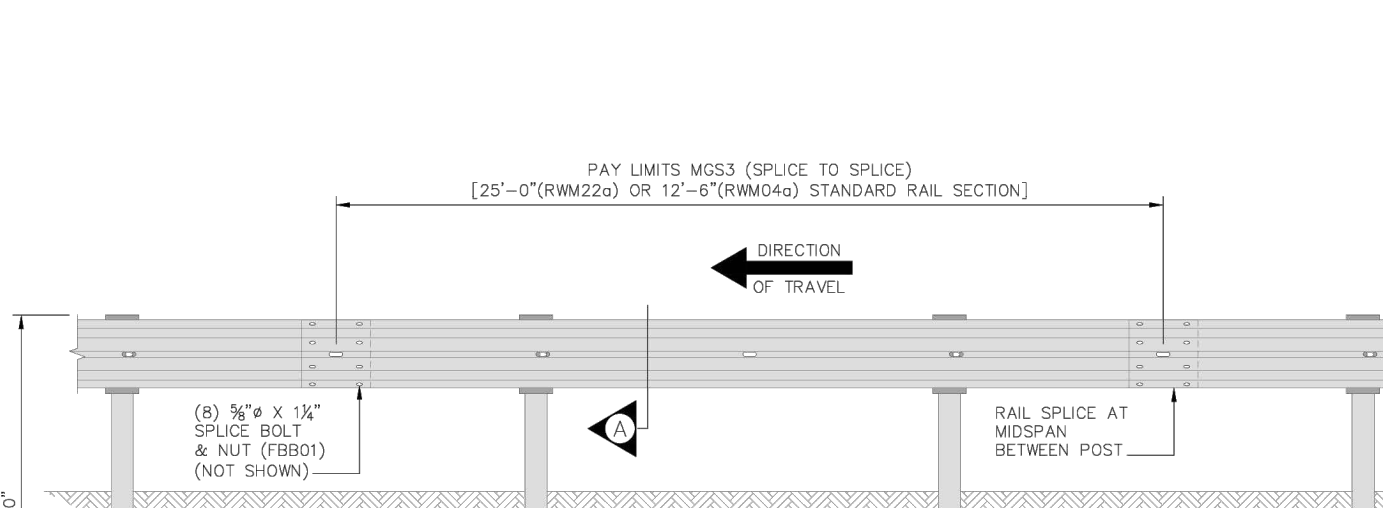
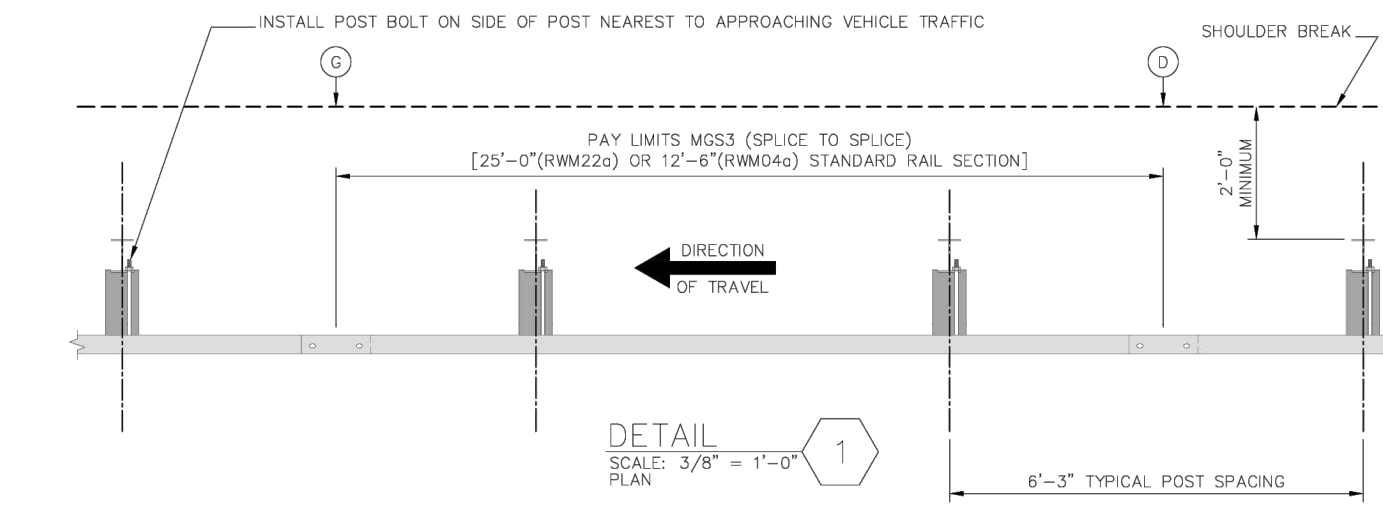
Revision table with columns for #, DATE, CHK, DESCRIPTION

SCDOT SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

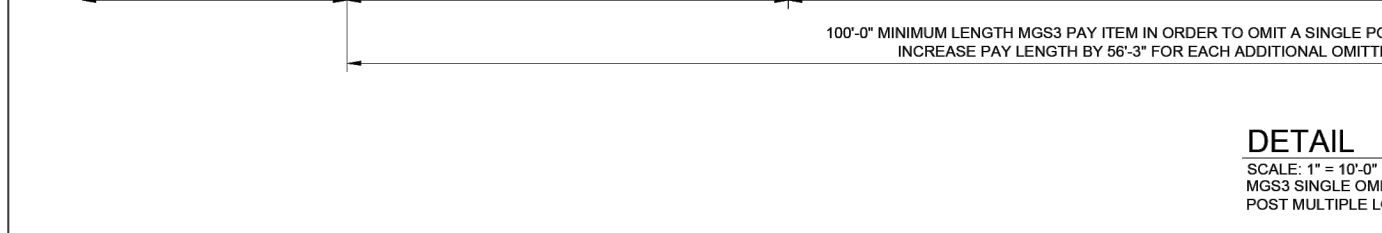
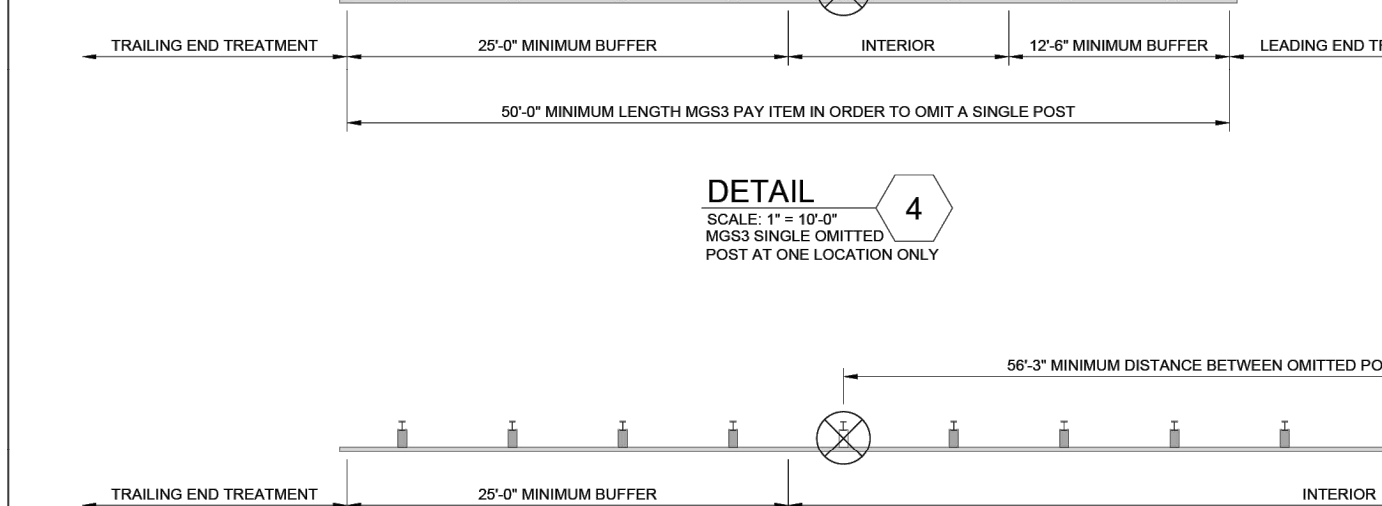
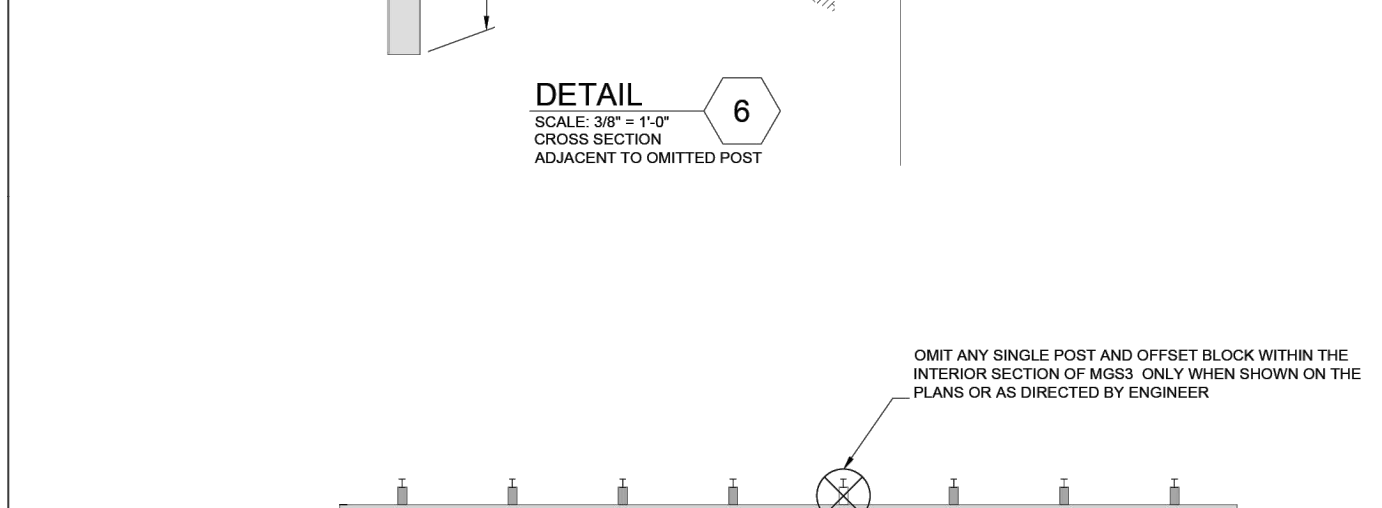
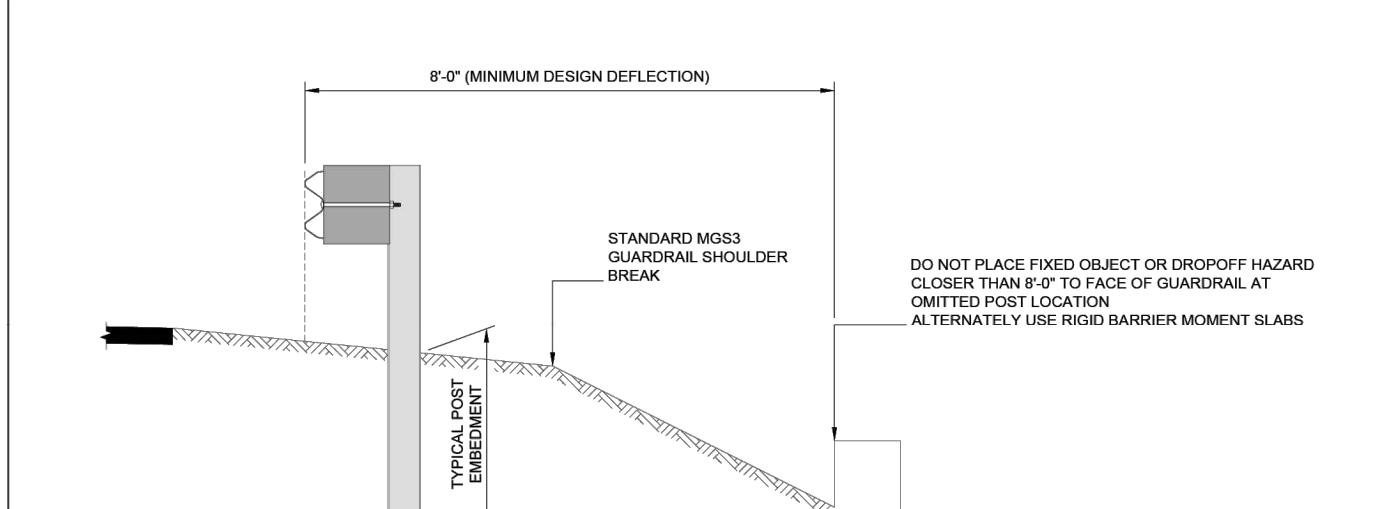
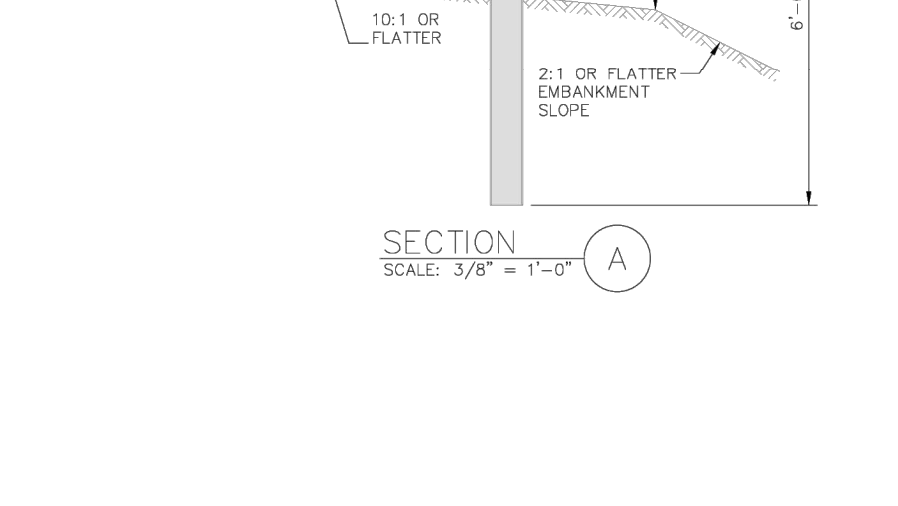
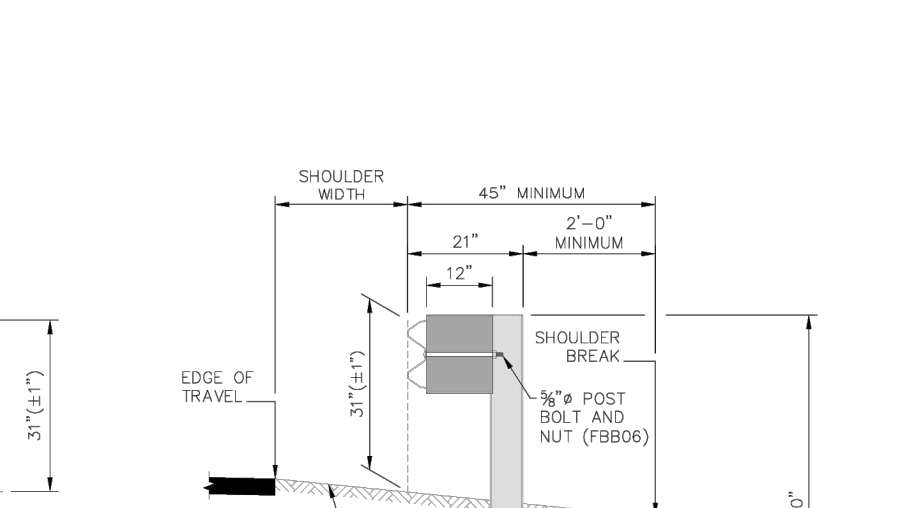
STANDARD DRAWING

MGS3 GUARDRAIL

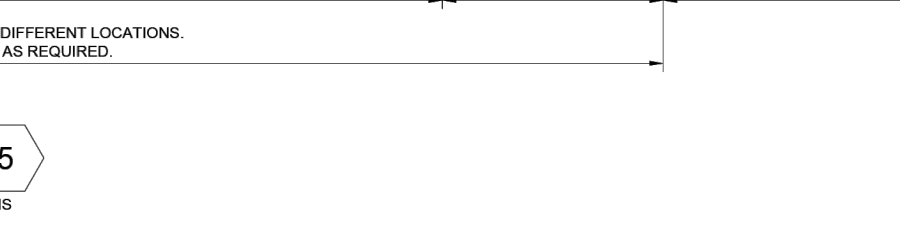
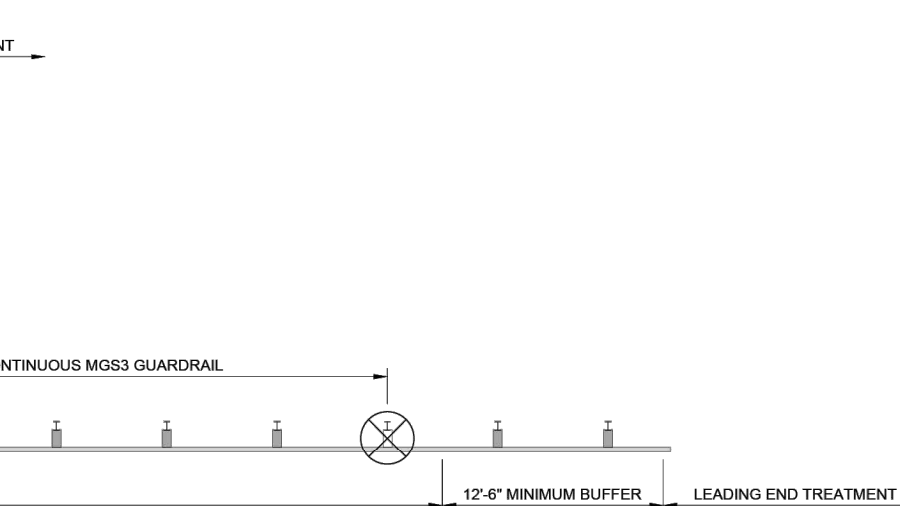
805-210-00
EFFECTIVE LETTING DATE: JULY 2018



- 1. SEE 805-001-XX FOR GENERAL NOTES. WORK ALL APPROPRIATE RAIL/BARRIER SHEETS TOGETHER.
2. SEE QUALIFIED PRODUCT LIST 49 FOR MANUFACTURERS QUALIFIED TO FABRICATE GENERIC COMPONENTS FOR MGS3 GUARDRAIL...



- 1. SEE 805-001-XX FOR GENERAL NOTES. WORK ALL APPROPRIATE SHEETS TOGETHER.
2. OMIT POST OFFSET BLOCK AND MOUNTING HARDWARE ONLY WHERE SHOWN IN PLANS OR DIRECTED BY THE ENGINEER.



REFERENCES

NATIONAL DOCUMENTS
MASH REPORT(S):
TRP-03-326-18

SCDOT DOCUMENTS

RELATED DRAWINGS & KEYWORDS
MASH 1L3
DESIGN DEFLECTION = 8'-0"

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NO. 19782
SCDOT PROFESSIONAL ENGINEER
ROBERT BEDEINGRICH

Signature: Robert Bedeingrich, Jr.
DATE: 07/26/18

Revision table with columns for #, DATE, CHK, DESCRIPTION

SCDOT SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

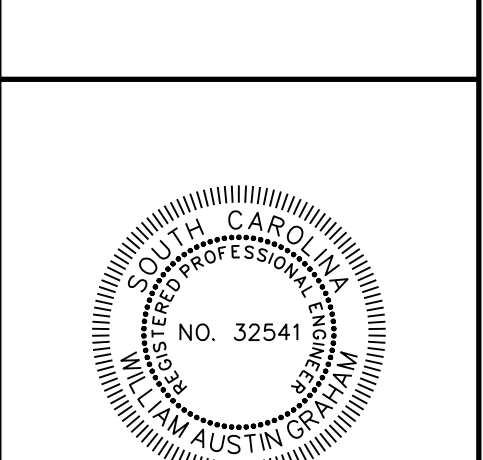
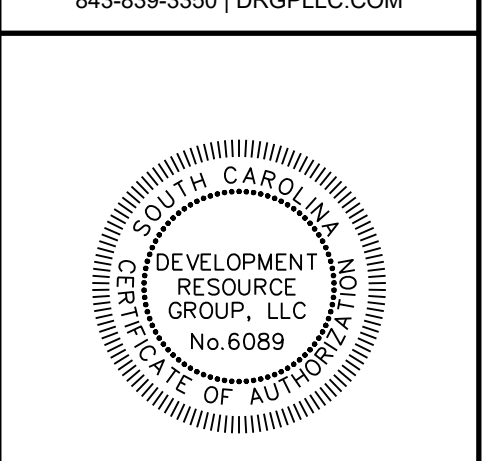
STANDARD DRAWING

MGS3 GUARDRAIL WITH OMITTED POST

805-210-05
EFFECTIVE LETTING DATE: JANUARY 2019



DEVELOPMENT RESOURCE GROUP, LLC
4703 OLEANDER DRIVE
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



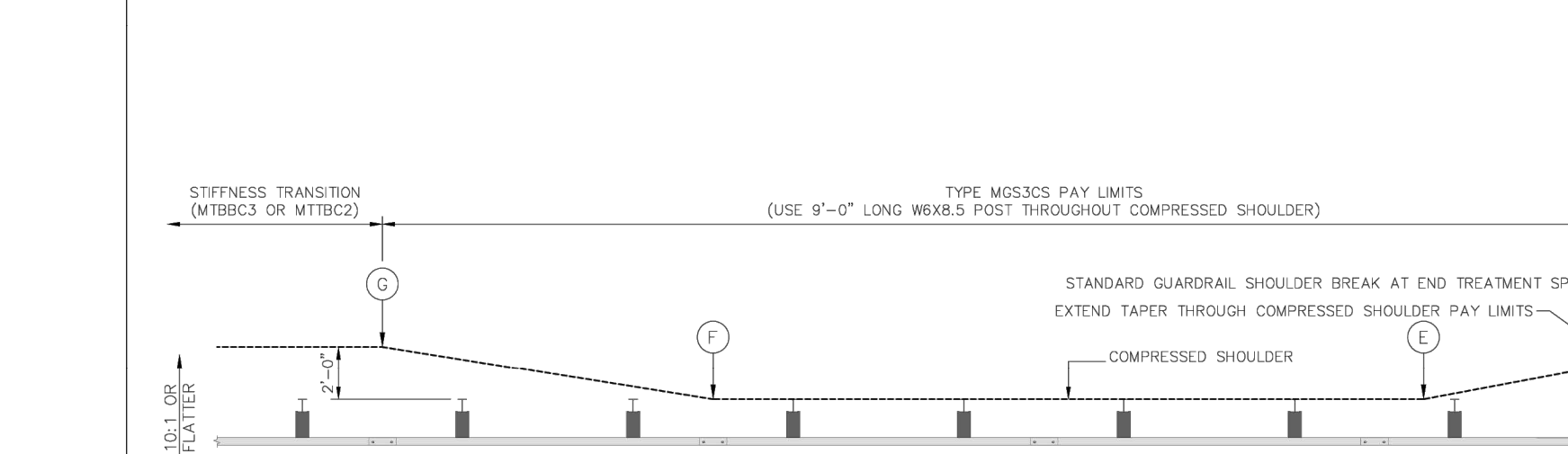
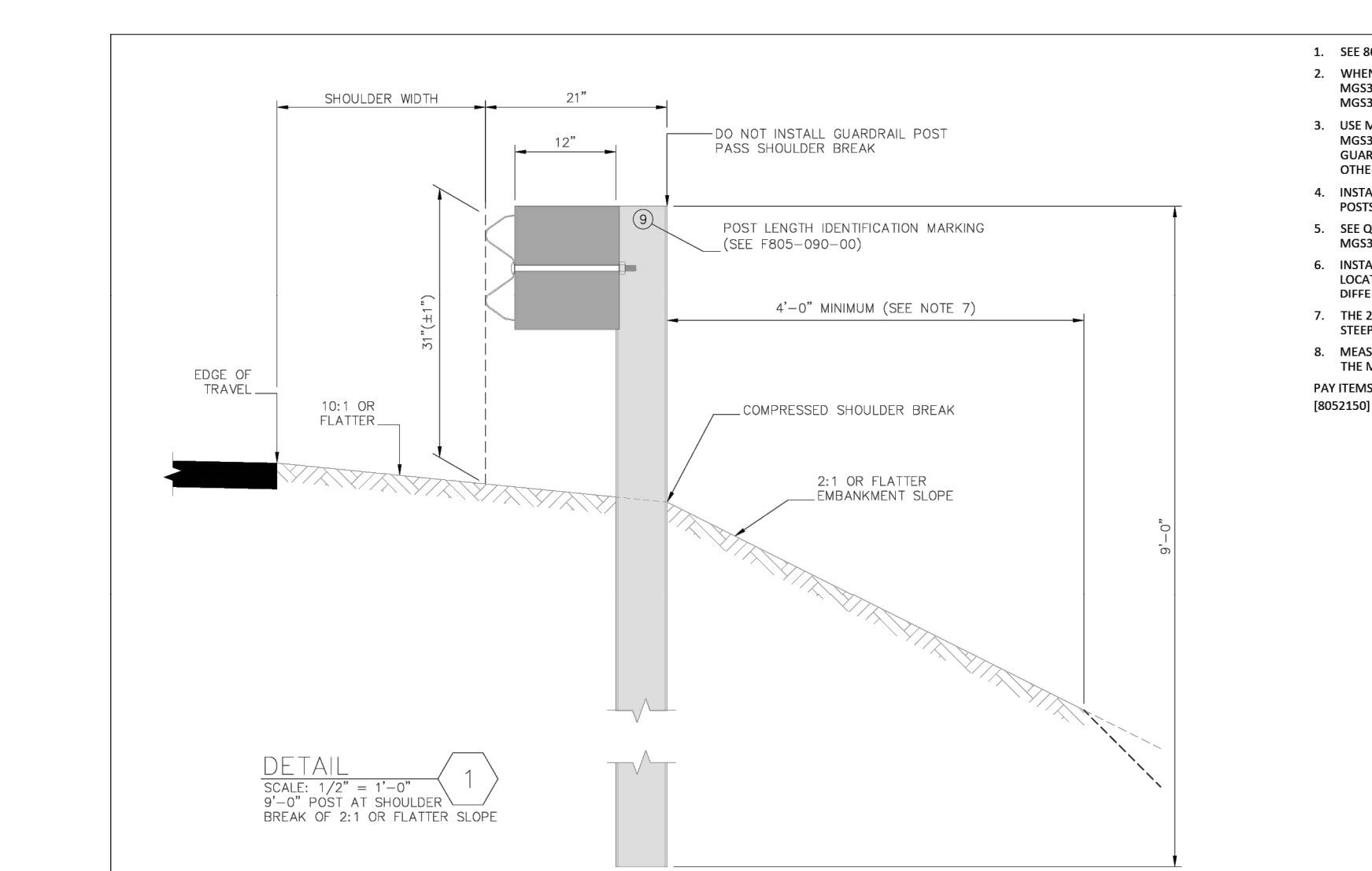
PREPARED FOR:
Horry County Schools
335 FOUR MILE ROAD
CONWAY, SC 29526
JOE BURCH

SCDOT DETAILS
FANTASY HARBOUR BUS FACILITY

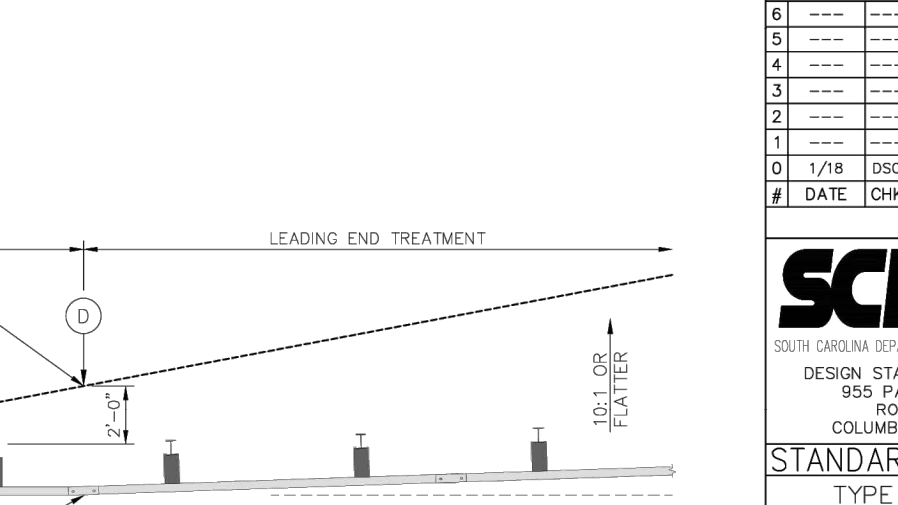
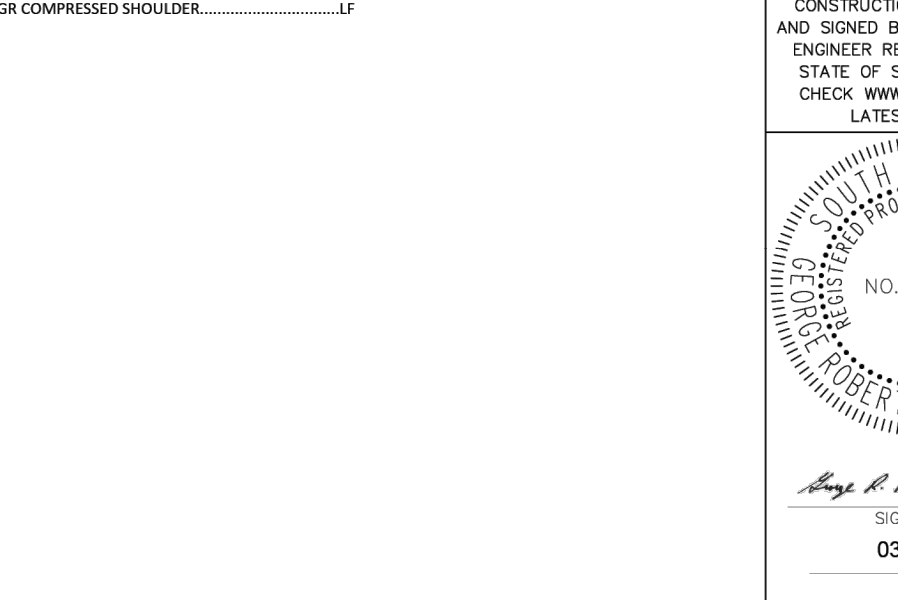
PLANS FOR CONSTRUCTION

JOB NO: 21.148
SCALE: NTS
DRAWN BY: PJC
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 03/15/2023

SHEET NUMBER: C10.5



- 1. SEE 805-001-XX FOR GENERAL NOTES. WORK ALL APPROPRIATE GUARDRAIL/BARRIER SHEETS TOGETHER.
2. WHEN COORDINATING NEARBY SUBSURFACE UTILITY INSTALLATION, PROVIDE ADDITIONAL DEPTH TO AVOID LONGER MGS3CS POSTS...



REFERENCES

NATIONAL DOCUMENTS
FHWA ELIGIBILITY LETTER(S):
MASH REPORT(S):
805-210-00
805-210-00
DESIGN DEFLECTION = 7'-0"

SCDOT DOCUMENTS

RELATED DRAWINGS & KEYWORDS
MASH 1L3

THIS DRAWING IS ONLY VALID FOR CONSTRUCTION WHEN SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA. CHECK WWW.SCDOT.ORG FOR LATEST UPDATE.

NO. 19782
SCDOT PROFESSIONAL ENGINEER
ROBERT BEDEINGRICH

Signature: Robert Bedeingrich, Jr.
DATE: 03/30/18

Revision table with columns for #, DATE, CHK, DESCRIPTION

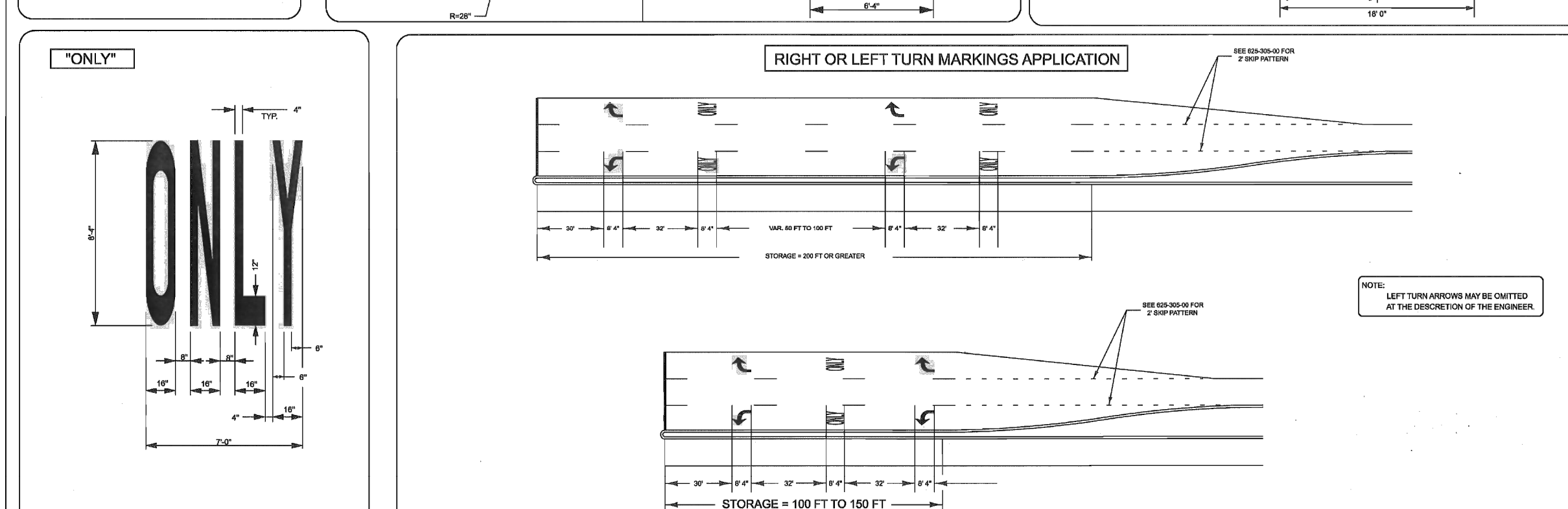
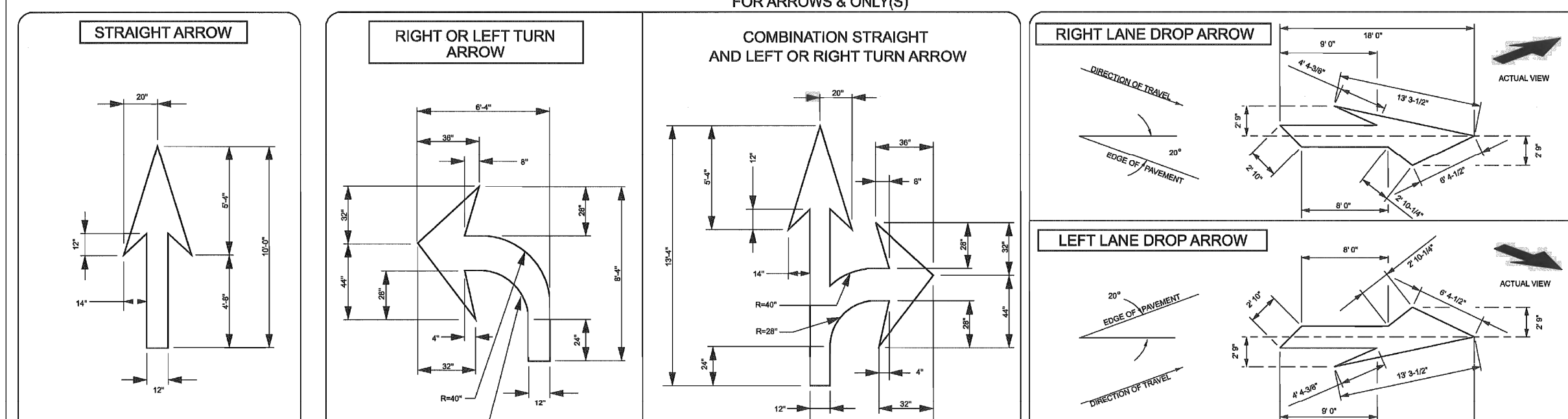
SCDOT SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING

TYPE MGS3CS GUARDRAIL ADDITIONAL LENGTH POST AT COMPRESSED SHOULDER

805-215-00
EFFECTIVE LETTING DATE: JULY 2019

STANDARD PAVEMENT MARKINGS FOR ARROWS & ONLY(S)



REFERENCES

NATIONAL DOCUMENTS
MASH REPORT(S):
TRP-03-173-08
TRP-03-172-08
TRP-03-320-18

SCDOT DOCUMENTS

RELATED DRAWINGS & KEYWORDS
MASH 1L3

THIS DRAWING IS ONLY VALID FOR CONSTRUCTION WHEN SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA. CHECK WWW.SCDOT.ORG FOR LATEST UPDATE.

NO. 19782
SCDOT PROFESSIONAL ENGINEER
ROBERT BEDEINGRICH

Signature: Robert Bedeingrich, Jr.
DATE: 03/30/18

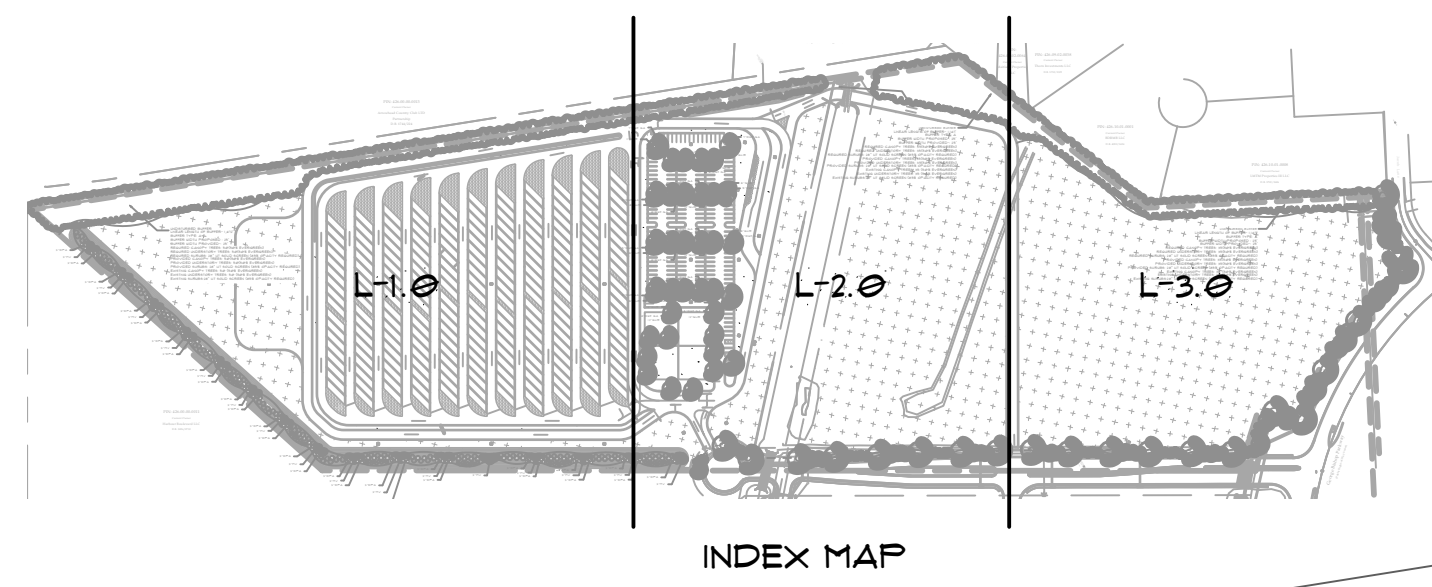
Revision table with columns for #, DATE, CHK, DESCRIPTION

SCDOT SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

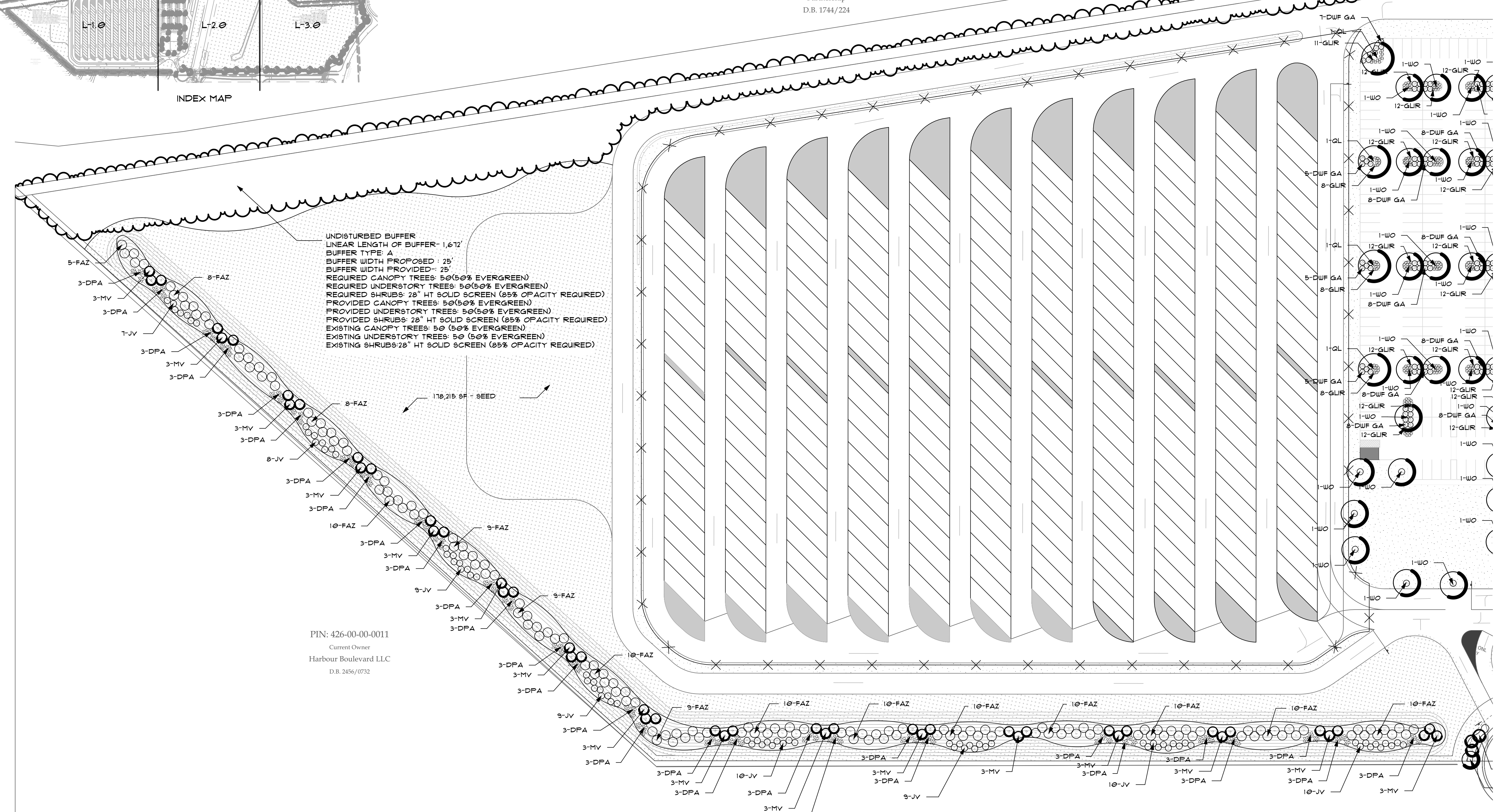
STANDARD DRAWING

FOR ARROWS & ONLY(S)

625-410-00
EFFECTIVE LETTING DATE: MAY 2019



PIN: 426-00-0013
 Current Owner
 Arrowhead Country Club LTD
 Partnership
 D.B. 1744/224



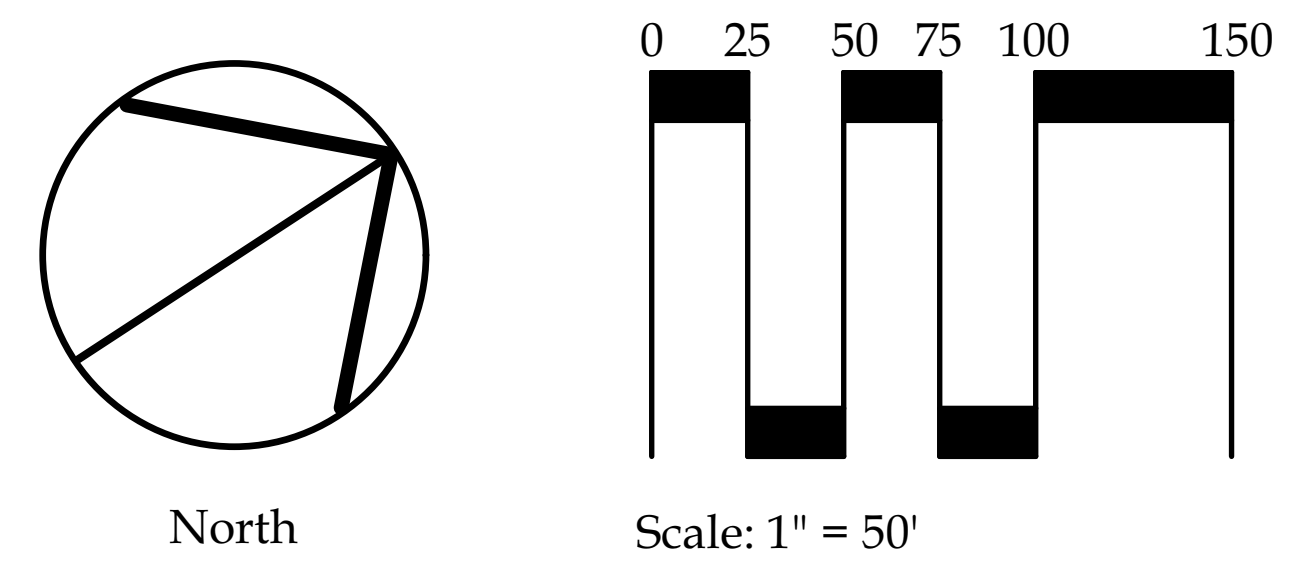
UNDISTURBED BUFFER
 LINEAR LENGTH OF BUFFER- 1,612'
 BUFFER TYPE: A
 BUFFER WIDTH PROPOSED: 25'
 BUFFER WIDTH PROVIDED: 25'
 REQUIRED CANOPY TREES: 50 (50% EVERGREEN)
 REQUIRED UNDERSTORY TREES: 50 (50% EVERGREEN)
 REQUIRED SHRUBS: 28" HT SOLID SCREEN (85% OPACITY REQUIRED)
 PROVIDED CANOPY TREES: 50 (50% EVERGREEN)
 PROVIDED UNDERSTORY TREES: 50 (50% EVERGREEN)
 PROVIDED SHRUBS: 28" HT SOLID SCREEN (85% OPACITY REQUIRED)
 EXISTING CANOPY TREES: 50 (50% EVERGREEN)
 EXISTING UNDERSTORY TREES: 50 (50% EVERGREEN)
 EXISTING SHRUBS: 28" HT SOLID SCREEN (85% OPACITY REQUIRED)

PIN: 426-00-0011
 Current Owner
 Harbour Boulevard LLC
 D.B. 2456/0732

Symbol	Quantity	Common Name	Latin Name	Scheduled Size	Spacing	Comment
Trees						
TH	16	Shademaster Honeylocust	Gleditsia triacanthos var. inermis 'Shademaster'	10 - 12' HT / 2.5' CAL.	AS SHOWN	
MNH	55	Mary Nell Holly	Ilex hybrid 'Mary Nell'	10 - 12' HT	AS SHOWN	
MV	48	Sweet Bay Magnolia	Magnolia virginiana	8-10' HT	AS SHOWN	
QL	8	Laurel Oak	Quercus laurifolia	12 - 14' HT	AS SHOWN	
WO	28	Wynstar Willow Oak	Quercus phellos 'QPMTP'	14-16' HT / 3" CAL.	AS SHOWN	
LO	21	Southern Live Oak	Quercus virginiana	14 - 16' HT / 3" CAL.	AS SHOWN	
BC	19	Bald Cypress	Taxodium distichum	10 - 12' HT / 3" CAL.	AS SHOWN	
Shrubs						
DWF GA	138	Sherwood Abelia	Abelia x grandiflora 'Sherwoodii'	3 GALLON	5' O.C.	
FAZ	146	Formosa Azalea	Azalea indica 'Formosa'	7 GALLON / 28" Minimum Ht @ Install	9' O.C.	
DPA	87	Dwarf Palmetto	Sabal minor	3 GALLON	6' O.C.	
JV	72	Japanese Viburnum	Viburnum japonicum	3 GALLON / 15" Minimum Ht @ Install	6' O.C.	
Groundcovers						
GLIR	343	Evergreen Giant Liriope	Liriope muscari 'Evergreen Giant'	1 GALLON	2.5' O.C.	
Ornamental Grass						
Turf Grass						
SOD	64,719 SF	Centipede	Eremochloa ophiuroides	SF		
SEED	656,027 SF	Centipede	Eremochloa ophiuroides	SF		
Mulch						
HW-M	46,274 SF	Double Hammered Hardwood		CY		
Stone/Edging						

- ALL SHRUBS ADJACENT TO THE RESIDENTIAL ZONED PROPERTIES MUST BE A MINIMUM 28" IN HEIGHT AT THE TIME OF PLANTING.
ALL OTHER SHRUBS MUST BE A MINIMUM 15" IN HEIGHT AT THE TIME OF PLANTING.
- HEIGHT AND CALIPER SIZE SUPERSEDE GALLON SIZE AT THE TIME OF PLANTING.

For Review Only -- Not for Construction!



Site Related Data:
 Site Related Data & Boundary Information Taken from a Survey by: Development Resource Group, LLC
 Titled: 21148 2022-06-10 Master Landscape.DWG Date: 06/13/22 Scale: N/A
 This Plan Shall Not Be Construed to be Survey Accurate.

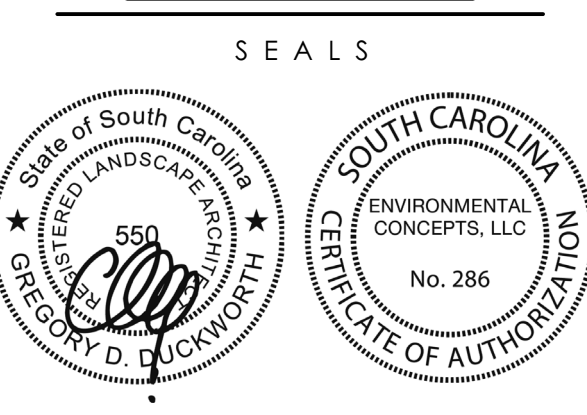


618 Chestnut Road
 Suite 201
 Myrtle Beach, SC 29572
 843.692.9999 Fax 843.692.9899
 www.environmentalconceptsllc.com

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PROJECT
Fantasy Harbour Bus Facility
Horry County Schools
 Horry County • South Carolina
 prepared for:
Horry County Schools

PROJECT NUMBER
 22-027
 RELEASE
 Permit
 DATE
 07/07/22
 REVISIONS
 09/21/22 County Comments



SHEET TITLE
Planting Plan
 SHEET NUMBER
L-1.0

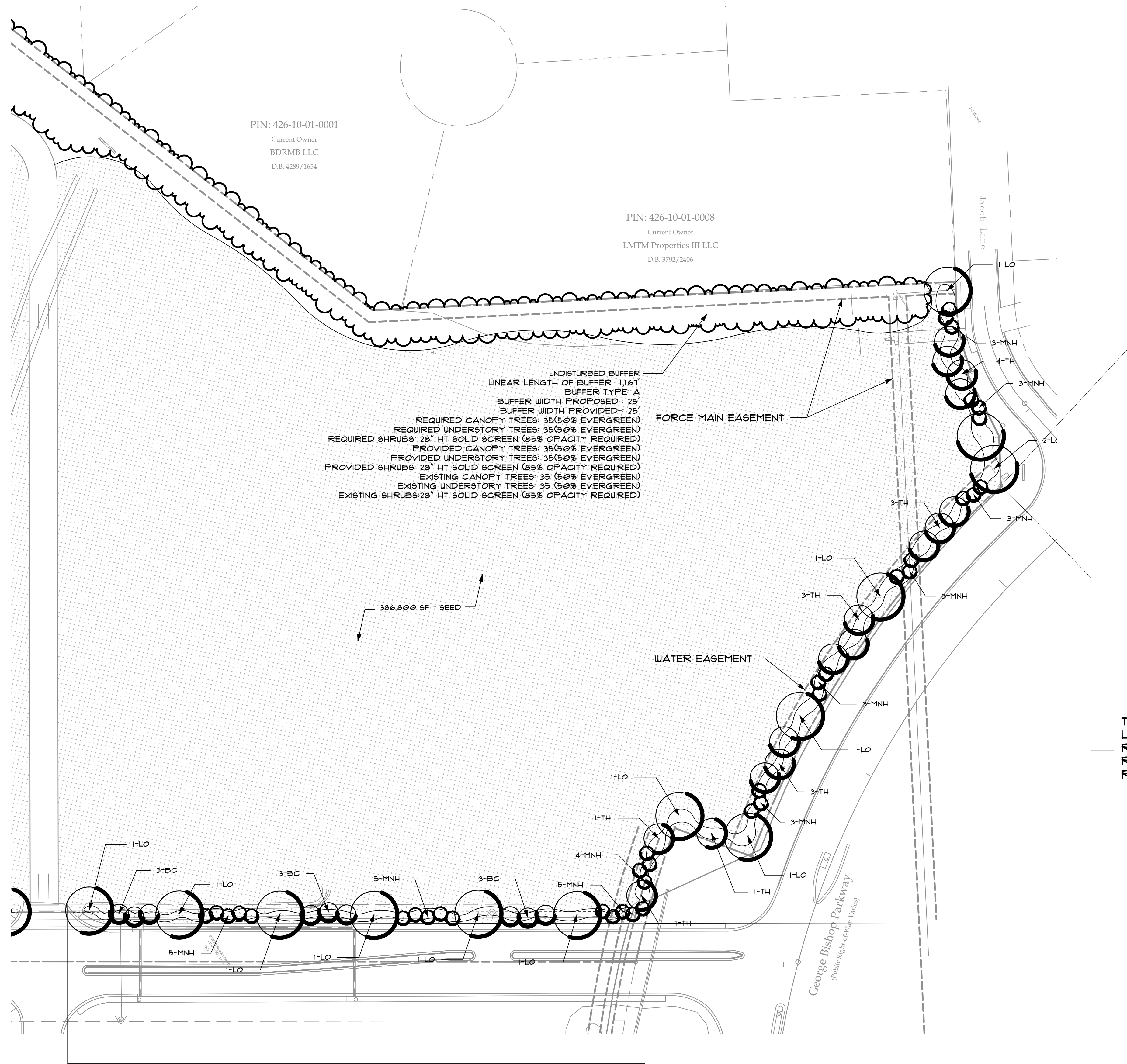
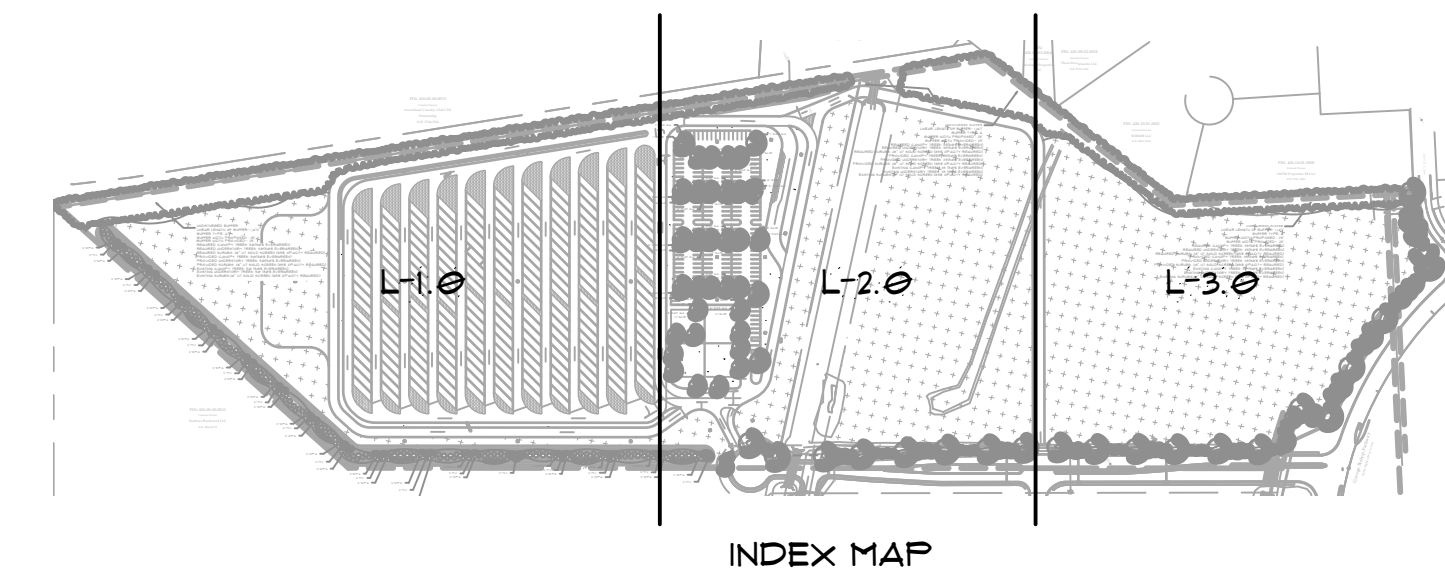
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* SEE SHEET L-1.0 FOR PLANTING SCHEDULE



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PIN: 426-10-01-0001
Current Owner
BDRMB LLC
D.B. 4289/1654

PIN: 426-10-01-0008
Current Owner
LMTM Properties III LLC
D.B. 3792/2406

UNDISTURBED BUFFER
LINEAR LENGTH OF BUFFER: 1167'
BUFFER TYPE: A
BUFFER WIDTH PROPOSED: 25'
BUFFER WIDTH PROVIDED: 25'
REQUIRED CANOPY TREES: 35 (50% EVERGREEN)
REQUIRED UNDERSTORY TREES: 35 (50% EVERGREEN)
REQUIRED SHRUBS: 28" HT SOLID SCREEN (85% OPACITY REQUIRED)
PROVIDED CANOPY TREES: 35 (50% EVERGREEN)
PROVIDED UNDERSTORY TREES: 35 (50% EVERGREEN)
PROVIDED SHRUBS: 28" HT SOLID SCREEN (85% OPACITY REQUIRED)
EXISTING CANOPY TREES: 35 (50% EVERGREEN)
EXISTING UNDERSTORY TREES: 35 (50% EVERGREEN)
EXISTING SHRUBS: 28" HT SOLID SCREEN (85% OPACITY REQUIRED)

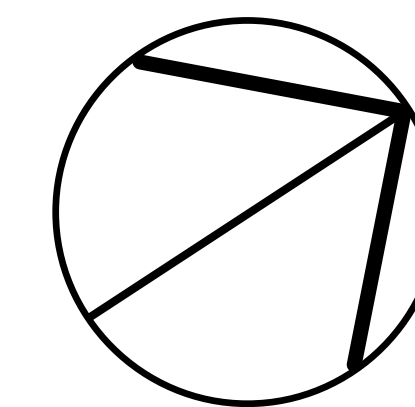
TYPE C PERIMETER BUFFER
LINEAR LENGTH OF PROPERTY/USE LINE: 184'
REQUIRED CANOPY TREES: 6 (50% EVERGREEN)
REQUIRED UNDERSTORY TREES: 6 (50% EVERGREEN)
REQUIRED SHRUBS: NONE

TYPE C PERIMETER BUFFER
LINEAR LENGTH OF PROPERTY/USE LINE: 542'
REQUIRED CANOPY TREES: 16 (50% EVERGREEN)
REQUIRED UNDERSTORY TREES: 16 (50% EVERGREEN)
REQUIRED SHRUBS: NONE

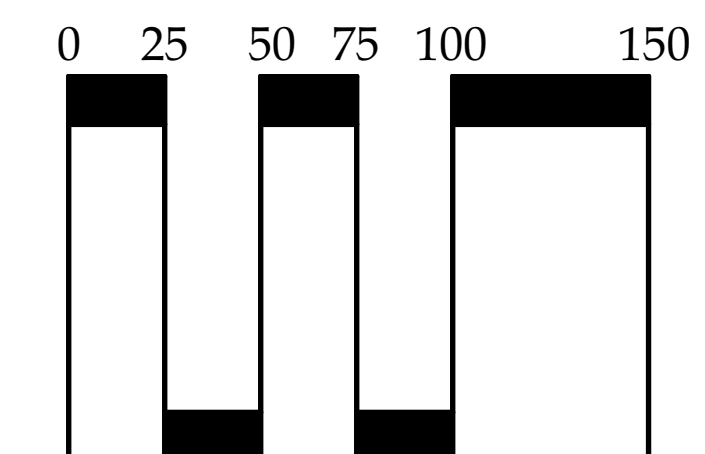
TYPE C PERIMETER BUFFER
LINEAR LENGTH OF PROPERTY/USE LINE: 482'
REQUIRED CANOPY TREES: 15 (50% EVERGREEN)
REQUIRED UNDERSTORY TREES: 15 (50% EVERGREEN)
REQUIRED SHRUBS: NONE

386,000 SF - SEED

For Review Only -- Not for Construction!



North



Scale: 1" = 50'

Site Related Data:

Site Related Data & Boundary Information Taken from a Survey by: Development Resource Group, LLC
Titled: 21148 2022-06-10 Master Landscape.DWG Date: 06/13/22 Scale: N/A
This Plan Shall Not Be Construed to be Survey Accurate.

PROJECT

Site Development Plans
Fantasy Harbour Bus Facility
Horry County Schools
Horry County • South Carolina
prepared for:
Horry County Schools

PROJECT NUMBER

22-027

RELEASE

Permit

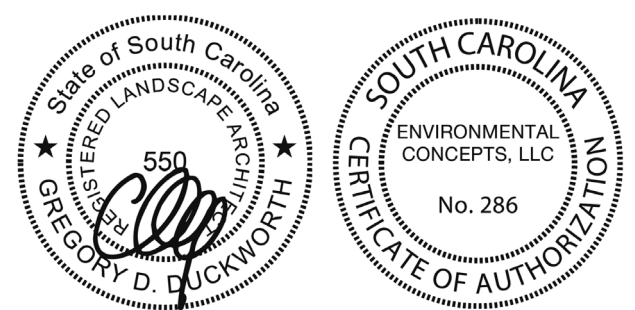
DATE

07/07/22

REVISIONS

09/21/22 County Comments

SEALS



SHEET TITLE

Planting Plan

SHEET NUMBER

L-3.0

Do Not Heavily Prune the Tree at Planting. Prune only Crossover Limbs, Co-Dominant Leaders, and Broken or Dead Branches. Some Interior Twigs and Lateral Branches May Be Pruned; However, Do Not Remove the Terminal Buds of Branches that Extend to the Edge of the Crown.

Stake Trees only upon the Approval of the Landscape Architect. See Staking Detail.

Wrap Tree Trunks only upon the Approval of the Landscape Architect. See Wrapping Detail.

Mark the North Side of the Tree in the Nursery, and Rotate Tree to Face North at the Site Whenever Possible.

Set Top of Root Ball Flush to Grade or 25-50mm (1-2") Higher in Slowly Draining Soils.

50 mm (2") Mulch. Do Not Place Mulch in Contact with Tree Trunk. Maintain the Mulch Weed-Free for a Minimum of Three Years after Planting.

Note: For Dimensions of Planting Areas, Types of Soil Amendments, or Soil Replacement, See "Soil Improvement Details."

Note: This Detail Assumes that the Planting Space Is Larger than 2400mm (8'-0") Square, Open to the Sky, and not Covered by any Paving or Grating.

Typical Tree Planting Detail - B&B Trees In All Soil Types

1 L-4.0 Not To Scale

International Society of Arboriculture
1400 West Anthony Drive
Champaign, IL 61821
Phone: (217) 355-9411 Fax: (217) 355-9516

Each Tree Must Be Planted Such that the Trunk Flare Is Visible at the Top of the Root Ball. Trees Where the Trunk Flare Is Not Visible Shall Be Rejected. Do Not Cover the Top of the Root Ball with Soil.

Mulch Ring:
1800mm (6'-0") Minimum Diameter
2400mm (8'-0") Preferred Diameter

100mm (4") High Earth Saucer Beyond Edge of Root Ball.

Remove all Twine, Rope and Wire, and Burlap from Top Half of Root Ball

If Plant Is Shipped with a Wire Basket around the Root Ball, Cut the Wire Basket in Four Places and Fold Down 200mm (8") into Planting Hole.

Place Root Ball on Unexcavated or Tamped Soil.

Tamp Soil around Root Ball Base Firmly with Foot Pressure, so that Root Ball Does Not Shift.

International Society of Arboriculture
1400 West Anthony Drive
Champaign, IL 61821
Phone: (217) 355-9411 Fax: (217) 355-9516

Note: For Detailed Requirements Related to the Planting of the Tree in the Improved Soil, See "Tree Planting Detail."

Loamy Soil

1:1 Slope on Sides of Planting Hole.

Loamy Soils include the Following USDA Textural Classifications and Have a Clay Content of Between 15 to 27%: Loam, Sandy Loam, and Silt Loam. Note that Soils at the Outer Limits of the Loam Classifications May Present Special Planting Problems not Anticipated by this Detail.

Loamy Soils Are Defined as Granular or Blocky Friable Soils, a Mixture of Sand, Silt, and Clay Particles with a Minimum of 1.5% by Dry Weight Organic Matter. The Soil Must Not Be so Compacted as to Impede Root Growth or Drainage. The Soil Structure Shall Not Be Clay or Massive. The Soil Must Be Tested for Texture, Drainage Capability, Ph, and Nutrient Values prior to Determining Plant Selections and any Additional Soil Improvements.

Note: This Detail Assumes that the Area of Loamy Soil Available to Each Tree Is a Minimum of 45 Square Meters (500 SF).

Soil Improvement Detail - For Trees Planted In Non Restricted Soil Conditions

4 L-4.0 Not To Scale

Step 1: Tie a simple knot 18"-24" (depending on the diameter of the tree) from either end of the ArborTie.

Step 2: Wrap this end around tree. Begin the above knot below the knot that was tied in Step 1.

Step 3: Follow motion of ArborTie above, finishing the knot by pulling tightly on points A and B at the same time.

Step 5: The ArborKnot provides secure, girdle free attachment of ArborTie to tree.

Step 4: Slide knot just completed up to the knot tied in Step 1. Fasten free end to stake of anchor.

International Society of Arboriculture

For Deeproot ArborTie Guying Material Contact:

Brenda Guglielmina
Deep Root Partners, L.P.
P.O. Box 927, Decatur, GA 30031-0927
Tel: 404-378-9390
Fax: 404-378-2840
E-mail: brenda@deeproot.com
www.deeproot.com

ArborTie Guying Material See ArborKnot Detail.

750 mm (30 In.) Long Wood Stake.

All Stakes Shall Be Driven Outside The Edge Of The Root Ball.

Remove All Staking As Soon As The Tree Has Grown Sufficient Roots To Overcome The Problem That Required The Tree To Be Staked. Stakes Shall Be Removed No Later Than The End Of The First Growing Season After Planting.

Typical Tree Staking & Guying Detail - For Trees 3" (75mm) or Larger

5 L-4.0 Not To Scale

Size of Nursery Stock

< 2" Caliper

2-4" Caliper

> 4" Caliper

Irrigation Schedule for Vigor (See Notes 1,3)

Daily for 2 weeks; every other day for 2 months; weekly until established.

Daily for 1 month; every other day for 3 months; weekly until established.

Daily for 6 weeks; every other day for 5 months; weekly until established.

Irrigation Schedule for Survival (See Notes 2,3,4)

Twice weekly for 2-3 months

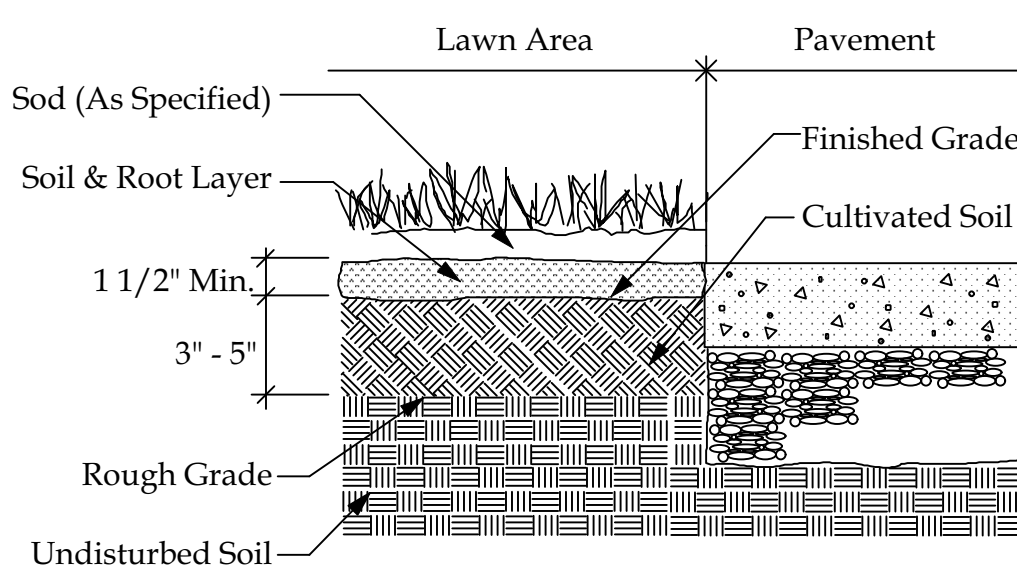
Twice weekly for 3-4 months

Twice weekly for 4-5 months

- Delete daily irrigation when planting in winter. Irrigation frequency can be reduced (e.g. 2-3 times a week instead of every other day) slightly when planting hardened off, field grown trees that were root-pruned during production. Establishment takes 4 months per caliper inch.
- Irrigation frequency can be reduced (e.g. 2-3 times a week instead of every other day) slightly when planting hardened off, field grown trees that were root-pruned during production.
- At each irrigation, apply 2-3 gallons per inch trunk caliper to the root ball. Apply it in a manner so all water soaks into the root ball. Do not water if root ball is wet/saturated on the irrigation day.
- Trees take much longer to establish than 3-4 months per inch trunk caliper. Irrigate in drought the following summer.

2 ArborKnot Detail

L-4.0 Not To Scale



Note: Install Sod such that Top of Soil and Root Layer Is Level with Top of Pavement.

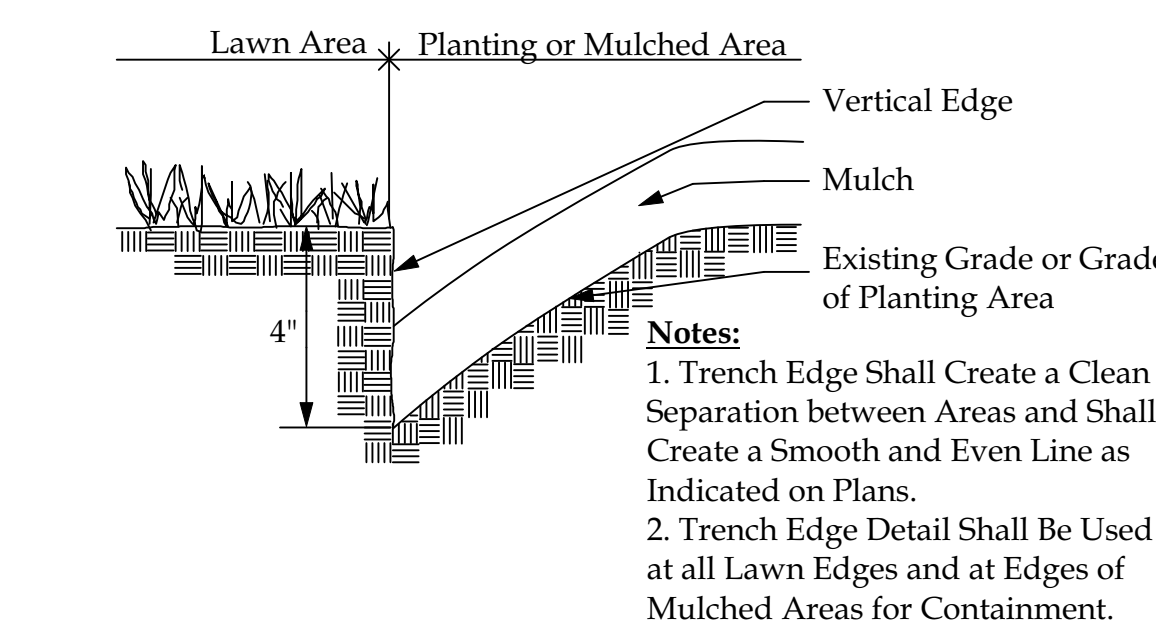
- Sodding Procedure:**
- Cultivate Entire Area to 3-5" Depth and Handrake Smooth.
 - Apply Lime per Soil Analysis and Fertilizer at Rate of 1200 LB/AC.
 - Water Area to Be Sodded Prior to Laying Sod.
 - Lay Sod, Roll Sod, and Water Thoroughly.

3 Sod Installation Detail

L-4.0 Not To Scale

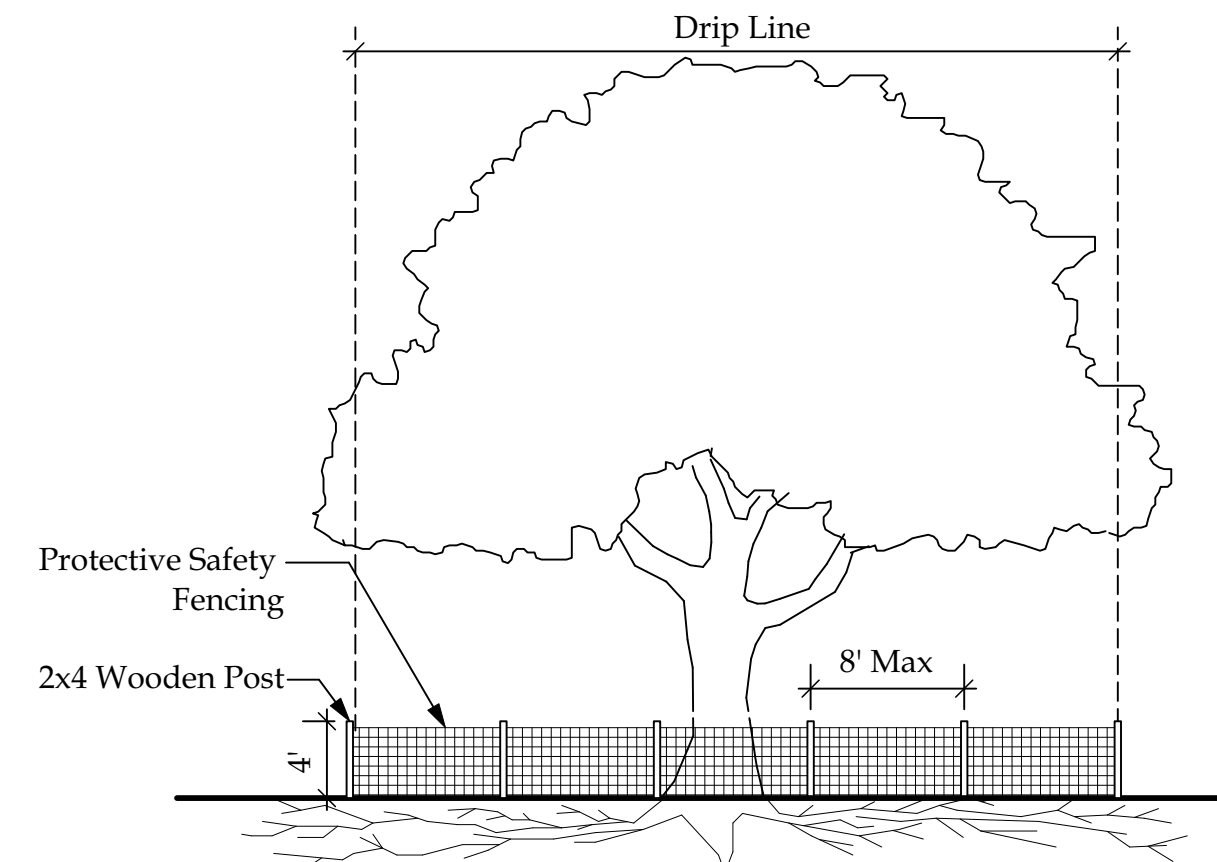
7 Typical Ground Cover Spacing Detail

L-4.0 Not To Scale



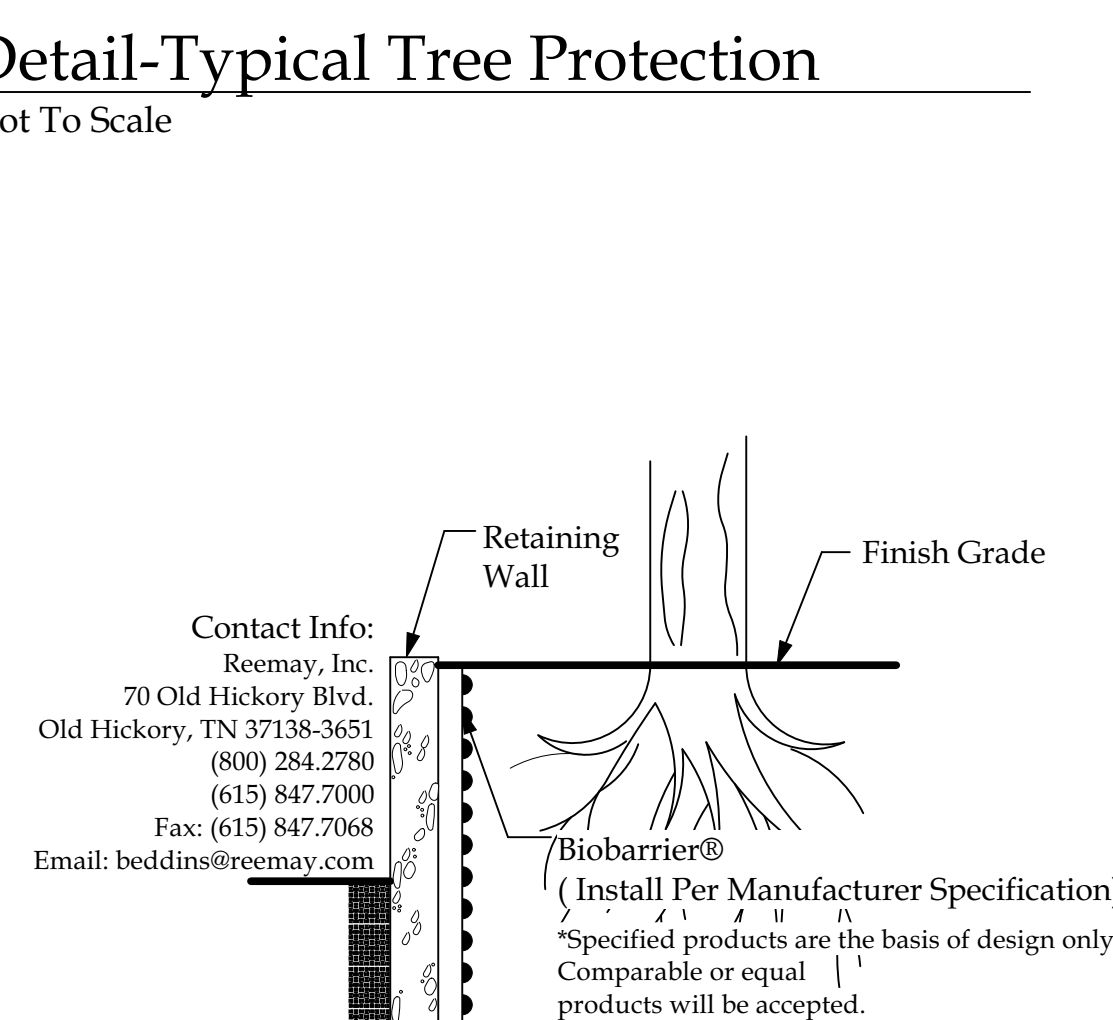
8 Shrub Bed Trench Detail

L-4.0 Not To Scale



9 Detail-Typical Tree Protection

L-4.0 Not To Scale



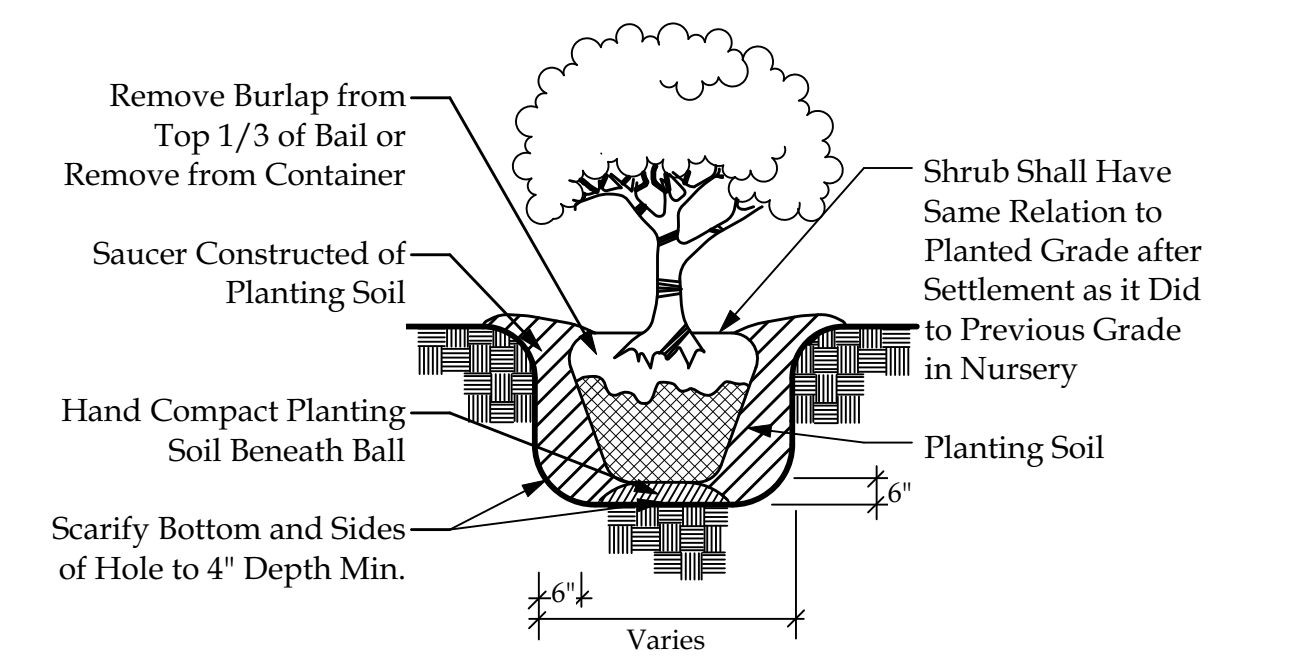
Landscape Contractor Shall Be Responsible for Installing a Root Growth Barrier in all Locations Where Plant Roots May Come into Contact with Architectural Elements (Foundations, Walls, Sidewalks, Pools, etc) & Infrastructure (Water, Sewer, Drainage, Roads, Electric, Etc.)

10 Detail- Root Barrier Installation

L-4.0 Not To Scale

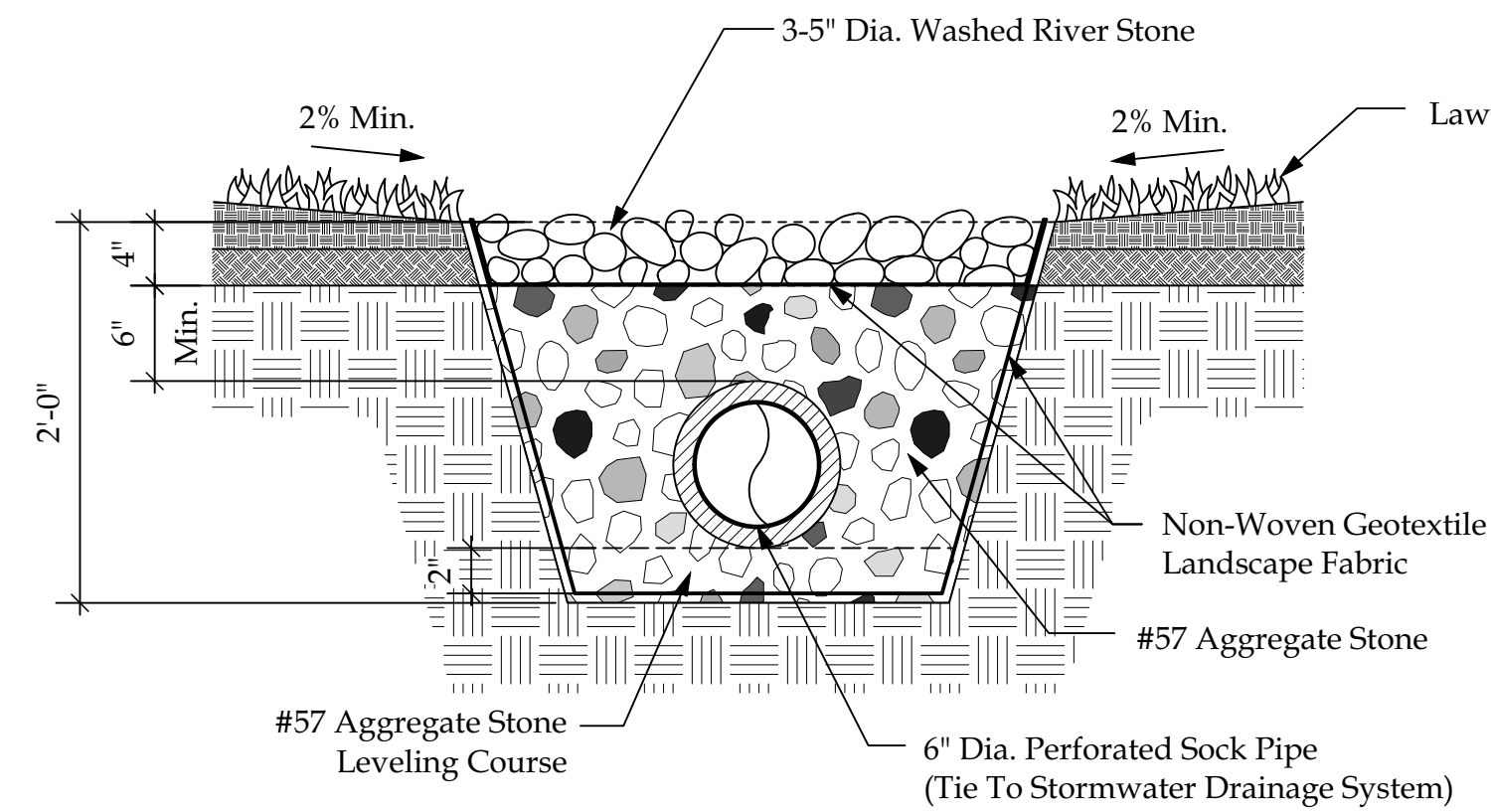
11 Planting Bed Detail

L-4.0 Not To Scale



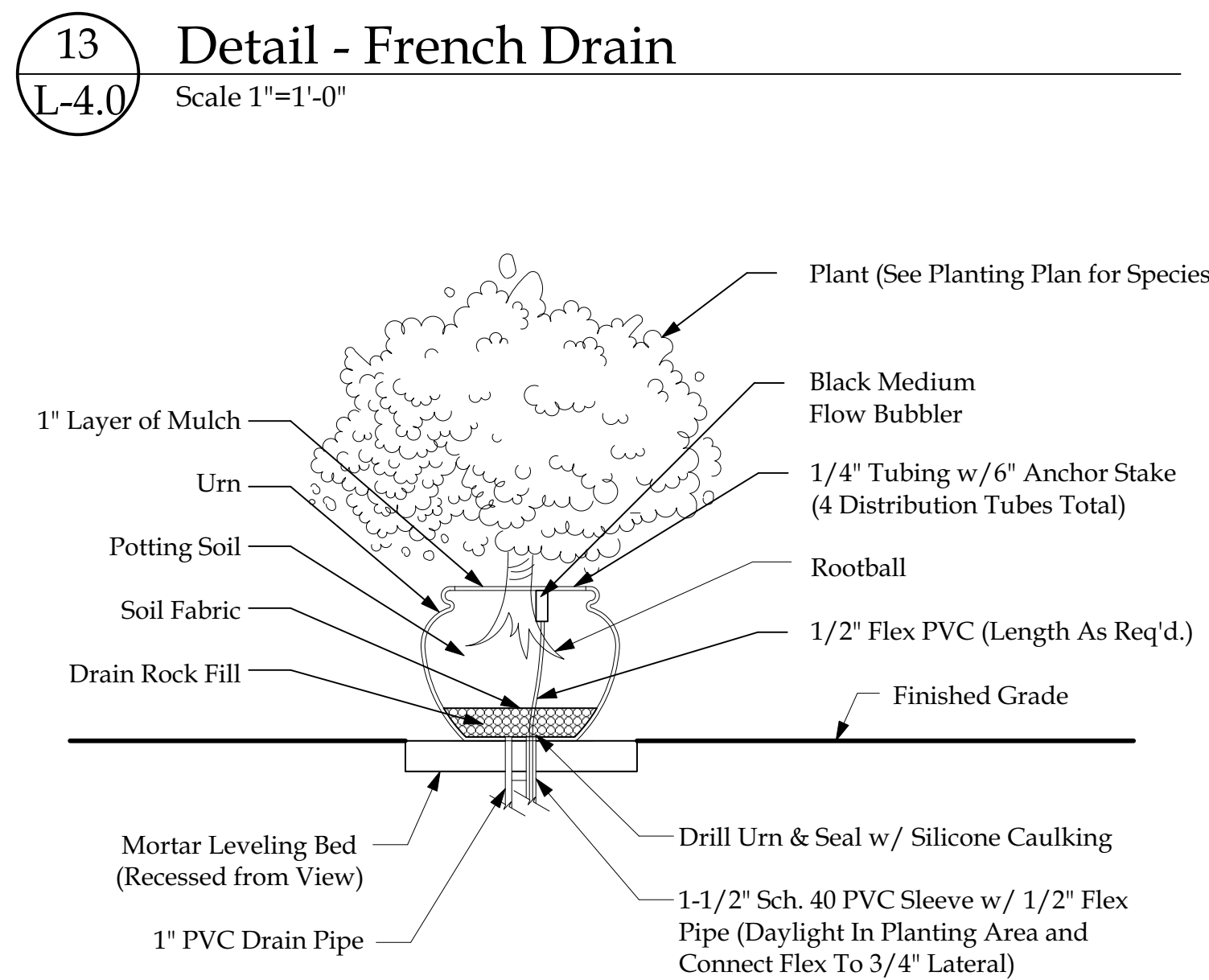
12 Typical Shrub Planting Detail

L-4.0 Not To Scale



13 Detail - French Drain

L-4.0 Scale 1"=1'-0"



14 Detail-Planter

L-4.0 Not To Scale



618 Chestnut Road Suite 201
Myrtle Beach SC 29572
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PROJECT

Fantasy Harbour Bus Facility
Horry County Schools
Horry County • South Carolina
prepared for:
Horry County Schools

PROJECT NUMBER

22-027

RELEASE

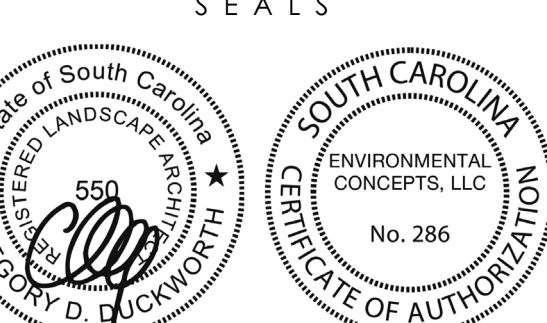
Permit

DATE

07/07/22

REVISIONS

SEALS



SHEET TITLE

Planting Details

SHEET NUMBER

L-4.0

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SITE WORK

General:

1.1 DIMENSIONS: ± Indicates Check Dimension Only; Contact Landscape Architect for Field Adjustments if Field Conditions Vary.
1.2 STRUCTURAL: Contractor Responsible for the Structural Integrity of all Elements.
1.3 LUMBER: Contractor Shall Use at minimum Pressure-Treated Lumber for all Exterior Construction unless alternative is specified.
Contractor/Owner Should be Aware of Fasteners Recommended by Lumber Manufacturers in Construction Involving Pressure-Treated Lumber. Pressure-Treated Lumber Can be Chemically Corrosive to Certain Types of Fasteners. All Edges Should be Sanded Smooth. Handrails and Decking Should be Cup Side Down.
1.4 COMPLIANCE: Contractor Responsible for Verifying Compliance with all Setback and Zoning Requirements.
1.5 PERMITS: The Contractor is Responsible for Acquiring all Necessary Permits Prior to Construction.
1.6 UTILITIES: Contractor Responsible for Locating all Underground Utilities Prior to Construction. Contractor to Secure a Responsible Utility Locate Service, Such as Palmetto Utility Protection Service (PUPS), Prior to any Excavation or Installation:

A. PRE-CONSTRUCTION NOTICE:
South Carolina 811

Anyone Proposing To Excavate, Dig, Bore, Tunnel, Blast, Or Disturb The Earth In Any Manner In Which Buried

Utilities May Be Damaged Is Required To Adhere To The South Carolina Underground Facility Damage Prevention Act.
Please Call 811 or The Toll-Free Number (1-888-721-7877) Between The Hours Of 7:30 AM EST. And 5:30 PM EST,

Monday Through Friday, 72 Hours Before Starting The Proposed Work.
The South Carolina State Law Requires That Excavators Give A 3 Full Working Days Notice (Not Including The Day Of The Call)

Excluding Weekends And Holidays, For The Locators To Get Out To Mark The Area. After A Notice Has Been Processed,

You Will Know When You Are Legally Free To Proceed With The Digging Work And Which Utilities In The Area

SC811 Will Be Notifying For You. Any Utilities That SC811 Does Not Notify, You Will Be Responsible For Notifying Directly.

The Utility Companies Ask That You Leave A 2 1/2 Feet Margin On Each Side Of A Marked Utility Line. Also Note
That Your Request Is Good For 10 Working Days After It Has Been Processed By Our System.

1.7 SAFETY: Contractor Responsible for Security Fencing and Signage to Prevent Injury to the Public During Construction.

1.8 MAINTENANCE: Owner Shall Consider the Future Maintenance Requirements of This Project to Prevent Injury to the Public.

1.9 DRAINAGE: Contractor Shall Maintain Positive Drainage Away from Structures.
1.10 HAZARDOUS MATERIALS/UXO/ ARCHAEOLOGICAL:- Environmental Concepts, LLC Shall have No Duty or Responsibility for the Discovery,

Determination, Location, Presence, Handling, Removal, Disposal or Exposure of Anyone or Anything to: Hazardous Waste Materials in any Form or of any Type at the Project Site, Including, but Not Limited to: Asbestos, Asbestos Related Products, Polychlorinated Biphenyl (PCBs), or Any Other Substances, Whether Now or at Some Later Date Considered to be Toxic; as well as Unexploded Ordnance (UXO) and Unexpected Archaeological Finds at the Project Site.

1.11 DEER OR OTHER FAUNA :- Environmental Concepts, LLC Shall Have No Duty Or Responsibility For The Knowledge, Discovery, Or Determination To The Presence Of Deer, Rabbits, Moles, Or Other Fauna Which May Cause Damage At The Site. It Is The Owner/Responsible Agent's Obligation To Inform Environmental Concepts, LLC In Writing, Prior To Design, Of Any Known Deer Or Other Fauna Which May Be Present Which May Cause Damage At The Site. When Informed, Environmental Concepts, LLC Will Specify Deer Resistant Plants For The Project.

1.12 REVIEW & APPROVAL: These Plans have 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.

Tree Protection:

2.1 DRIPLINE: Tree dieback, decline, and even tree death can be caused by the disturbance of roots due to trenching, vibratory plowing, or earth sawing operations. During construction, none of the above actions are to be performed within the dripline of a tree canopy.

2.2 PROTECTION: Protect designated trees scheduled to remain from:
- Unnecessary cutting, breaking, or skinning of roots
- Skinning and bruising of bark
- Smothering of trees by stockpiling construction or excavation materials within dripline
- Excess foot or vehicular traffic
- Parking of vehicles within drip line
- Cleaning of equipment, solvents and gasoline within dripline

2.3 FENCING: Erect temporary barricades around trees shown to remain before commencement of any site clearing or grading. Fence to be 4' high with 2x4 posts. All fencing should be placed at drip line of tree, fully enclosing all trees scheduled to remain. Nothing shall be placed inside of protective barricades, including but not limited to construction material, machinery, chemicals, or temporary soil deposits. When paving, excavation, or hardscape must be done within barricades, barricades shall be moved back to a secondary location at the edge of work. Extra care must be taken at this time by the contractor to insure that no damage to a tree occurs.

2.4 GRADES: No grade changes are to be made within the barricades without prior approval of the owner or his designated representative.

D. Interfering branches may be removed at the direction of the owner or his designated representative by a qualified tree surgeon.

2.5 HEALTH: Provide water to trees as required to maintain their health during construction work.

2.6 RESPONSIBILITY: General contractor shall be responsible for any damage done to trees designated to remain. Damage or removal of protected trees shall be subject to replacement or fine based on initial agreement with owner or his designated representative.

LANDSCAPING

Part 1 - General

1.1 DESCRIPTION:

A. 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.

B. The scope of work for the Landscape Contractor shall include the furnishing and installation of all grassing, all landscape planting work, and any irrigation work as called for as part of this Contract.

C. The Landscape Contractor shall coordinate with the General Contractor for the installation of all the noted earth berms within the landscaped areas. The berming fill and installation of all topsoil shall be the responsibility of the General Contractor. Final grading and contouring of the berms shall be the responsibility of the Landscape Contractor.

D. Prior to installation, all clearing, aesthetic earth mounding, and final plant locations is to be approved by Landscape Architect.

E. Landscape Contractor is to inform Landscape Architect of any concerns with plant material specified prior to installation and, at such time, alternate plant material may be specified by Landscape Architect. Landscape Contractor assumes all risk in installing plant material indicated on planting schedule.

F. Deer Or Other Fauna - Environmental Concepts, LLC Shall Have No Duty Or Responsibility For The Knowledge, Discovery, Or Determination To The Presence Of Deer, Rabbits, Moles, Or Other Fauna Which May Cause Damage At The Site. It Is The Owner/Responsible Agent's Obligation To Inform Environmental Concepts, LLC In Writing, Prior To Design, Of Any Known Deer Or Other Fauna Which May Be Present Which May Cause Damage At The Site. When Informed, Environmental Concepts, LLC Will Specify Deer Resistant Plants For The Project.

G. Landscape Contractor shall estimate quantity of all plant materials, sod and mulch. Plant quantities are estimates only and are subject to field verification by the Landscape Contractor. The planting schedule shall override plant labels.

H. The Owner /Responsible agent shall notify the Landscape Architect of any special requirements of the planting plan, such as deer resistant planting etc...

1.2 COORDINATION OF CONDITIONS:
A. The Landscape Contractor shall be responsible for coordinating the work of his crew and his subcontractors concerning performance of the landscape work. The Landscape Contractor shall also be responsible for the proper workmen as well as all subcontractors and their employees who perform on this project.
B. Coordination with the Landscape Architect: The Landscape Contractor will pay close attention to conditions and circumstances for which the Landscape Architect is to inspect and approve. Failure of a timely notification to Landscape Architect regarding any variances in said conditions and circumstances will result in work being removed and reinstalled at the Landscape Contractors expense.
C. Landscape Contractor is responsible for locating all utilities prior to installation and/or Construction.
D. Landscape Contractor shall not alter or damage any structure or existing plant material to remain on property during installation.

1.3 EXAMINATION AND VERIFICATION OF DRAWINGS AND SITE:
A. It shall be the Landscape Contractor's responsibility to report to the Landscape Architect any deviations between drawings, specifications and the site. Failure to do so prior to the installation of materials will result in replacing and/or relocating materials and shall be done at the Landscape Contractor's expense.

1.4 CLEAN-UP:
A. At reasonable regular intervals during the installation of the work, the Landscape Contractor shall clean up the site and dispose of waste materials, rubbish, and debris caused by their operations.
B. When site work involves movement of soil or other materials that could stain or discolor walks and pavements, then the Landscape Contractor shall clean up daily before leaving job site and remove all materials that may stain or discolor.

1.5 SOIL SAMPLES:
A. The Landscape Contractor shall collect soil samples of the areas to be landscaped, submit samples to an appropriate testing agency, obtain results and deliver same to the Landscape Architect. Soil sample boxes may be obtained from the County Agent's office. Location and quantity of samples to be taken are as follows:
1. Two samples of areas to be grassed, taken after the areas are prepared for sodding.
2. Two samples of planting beds taken after the beds are prepared for planting.
B. The same lab shall be used for all samples to ensure accurate results.

Part 2 - Products

2.1 RELATED LANDSCAPING MATERIAL:

A. DESCRIPTION: This section covers the furnishing and installation of all items associated with the landscaping as called for in this contract.

B. FERTILIZER: Tree and shrub fertilization shall be carried out according to ANSI A300 Part 2 - Tree, Shrub, And Other Woody Plant Maintenance - Standard Practices (Fertilization). Fertilizer for perennials and annuals shall be in the form of a complete fertilizer (10-10-10). Verify all plant nutrient requirements through soil test.

C. TOPSOIL: Topsoil to be used for backfilling plant pits shall consist of fertile, friable soil and shall contain a normal amount of organic matter. It shall be reasonably free from subsoil, refuse, heavy or stiff clay, stones larger than one inch in size, coarse sand, and noxious substances. Topsoil shall be free from toxic amounts of either acid or alkaline elements and shall be capable of sustaining healthy plant growth.

D. MULCH: Industry standard mulch as specified by the Plant Schedule. All mulch must be clean and free of trash and debris.

E. STAKING AND GUYING MATERIALS:
1. Specified DeepRoot ArborTie green staking and guying material is to be flat woven polypropylene material. 3/4" (19.05mm) wide with a 900 lb. break strength. ArborTie shall be fastened to stakes in a manner which permits tree movement and supports the tree.

2. The ArborTie material shall be secured with an ArborKnot according to manufacturer instructions.

3. Guy Stakes: Sound, durable lumber with minimum uniform cross-section above point 2"x 2" nominal dimensions; capable of withstanding above ground and underground conditions until final inspection; or steel rod, minimum of 1/2" diameter.

F. ROOT BARRIER:
1. Guaranteed, any existing trees and new trees (required to meet code) have the ability to damage everything - including sidewalks, driveways, parking lots, curbing, patios, swimming pools, pool decks, building foundations - guaranteed.
2. That is why we have Root Barrier called-out in our specifications.

3. Tree Root Barriers shall be required to prevent roots from coming into contact with all man-made architectural elements and utilities (install per manufacturers specifications).

4. Everyone - including ARBs and government agencies - desires the "estate look" on lots that are, in many cases, too small to support the structures and "required" vegetation.

G. SOIL AMENDMENTS OR CONDITIONING MATERIALS:
1. Aluminum Sulfate: Unadulterated, in manufacturer's original, unopened container labeled with analysis and net weight. Use to acidify soil (lower pH) if necessary.

2. Limestone: Raw, ground agricultural limestone, containing at least 90 percent calcium carbonate; 90 percent shall pass No. 10 sieve and 50 percent shall pass No. 50 sieve. Use to decrease acidity of soil (raise pH if necessary).

3. Shredded Bark: Commercial horticultural preparation finely ground, free of extraneous and harmful matter.

4. Peat: Shall be peat moss finely shredded, consisting of 90 percent organic moss peat, be brown in color and suitable for horticultural purposes.

2.2 LANDSCAPING PLANT MATERIALS:
A. DESCRIPTION: This section covers the quantities, sizes, and other specifications for plant material to be furnished and installed as a part of this Contract.
B. DEER RESISTANT PLANTS: Some Of The Plants Indicated On This Plan May Have A Resistance To Deer. However, If The Deer Are Present In Large Enough Numbers Or Are Hungry Enough They Will Eat Whatever May Be Available.
C. PLANT SIZES: Plant sizes specified for plants in this contract are as recommended by the American Association of Nurserymen. Plants will be specified as 12"-15" plants, 18"-24" plants, etc.
D. MEASUREMENT: Plants are not to be stretched in order to obtain a measurement. Measurements will be taken from plants in their natural state and planted. Height of plants will not be measured to the tip of the tallest terminal, but will be measured as average height of plant. Spread of plants shall be measured as average spread.
E. AVERAGE SIZE: If a bed or group of plants is specified to be 18"-24", then the entire group of plants shall average 21" in spread or height (whichever is applicable). A group of plants just slightly meeting an average of 18" would be rejected.
F. DEVIATION: The Landscape Contractor may, upon approval of the Landscape Architect, install plants larger than specified, but no additional payment will be granted for such deviation. Under no conditions, except as stated above, will plants smaller than specified be installed under this Contract.

G. NOMENCLATURE: Names of plants required for use as trees, shrubs, vines, groundcovers, etc., conform generally with names accepted in nursery trade. In the event of dispute, authority will be Standardized Plant Names, Second Edition, American Joint Committee of Horticulture, 1942, J. Horace McFarland Co., Harrisburg, Penn.

H. SUBSTITUTIONS: Plants in the variety and/or sizes specified that are unobtainable must be substituted only through a request and approval method. If a specified plant cannot be located, then the Landscape Contractor shall contact the Landscape Architect and notify them of which plants are unavailable. The Landscape Architect, if unable to locate said plant, will approve an appropriate substitution.

I. SPECIFICATIONS: Except when stated otherwise, specifications for measurements, quality and grade in Materials List (see Drawings) refer to USA Standards for Nursery Stock (USA Standards Institute of Nurserymen). In case of conflict of stated measurements, use greater requirements. All plant material shall comply with the American Standard For Nursery Stock (ANSI Z60.1-1996).

J. CONDITION OF PLANTS SUPPLIED: Well-shaped within normal habit of growth, sound, healthy, vigorous, of proper color, and free from insect pests, disease of physical injury.

Part 3 - Execution

3.1 PREPARING PLANT PITS AND BEDS:

A. All plant pits and beds are to be prepared as follows:
1. Plant Pits: Holes dug for planting plants are to be at least 10" wider and at least 6" deeper than the plant container or root ball.

2. Plant Beds for Herbaceous Flowers: Areas to be planted with herbaceous flowers (pansy, kale or cabbage) are to have a minimum of 6" of quality topsoil over the entire area. Two inches of cow manure shall be spread over the entire area and thoroughly incorporated and mixed with the top 6" of topsoil with a power tiller.

3. Plant Beds for Grassing: See Grassing Specifications.

4. Landscape Contractor shall be responsible for installing a root growth barrier in all locations where plant roots may come into contact with architectural elements (Foundations, Walls, Sidewalks, Pools...etc) or utilities.

5. All planted areas will be pre-emerged to inhibit weed germination.

6. All ericaceae family plants shall be planted in raised beds, minimum 4" height with 50% organic humus, 30% soil, and 20% sand.

3.2 PLANTING:
A. All Plants shall be planted according to the latest accepted techniques for planting plant materials as recommended by the American Association of Nurserymen and as shown on the planting details in the Drawings.
B. All plant material shall comply with the American Standard For Nursery Stock (ANSI Z60.1-1996)
C. See planting details sheet for proper method of installing plant material. A copy of the planting details sheet will be provided by the Landscape Architect if not a part of this plan set.

3.3 FERTILIZATION:
A. Trees and shrubs are to be fertilized according to ANSI A300 Part 2 - Tree, Shrub, And Other Woody Plant Maintenance - Standard Practices (Fertilization)
B. Annual and Perennial Fertilization should occur at the rate of 1 pound per 100 square feet of bed area or a complete slow-release fertilizer following label directions.
C. Grass: See Grassing Specifications.

3.4 BACKFILL OR PLANTING MIXTURE:
A. The backfill or planting mixture to be placed in plant pits around trees and shrubs shall contain a mixture of two (2) parts topsoil to one (1) part of soil conditioner, which shall be peat moss or humus, shredded hardwood or softwood bark mulch. These materials may be hand mixed as planting is installed.

3.5 CONSTRUCTION OF BASINS OR SAUCERS:
A. Basins with a depth of 2" shall be constructed around all plant bed or individual planted trees or shrubs.

3.6 WATERING:
A. All plantings shall be thoroughly watered by the Landscape Contractor at the time of the planting.
B. If in contract: irrigation system shall cover 100% of all lawn and planting bed areas. Irrigation water shall not come in contact with any building, structure or pavement.

3.7 PLANT ROOT PROTECTION:
A. All balled and burlapped plants are subject to be opened and inspected by the Landscape Architect. Any undersized, broken, or dried-out balls will be reason for rejection.

3.8 MULCHING:
A. All planting beds and areas designated as mulch to have 2"- 3" depth of mulch. All liriope and mondo grass areas shall be mulched with 1"- 2" of mulch. See planting schedule for mulch type.
B. All trees located in sod areas shall have a mulch ring around them.

3.9 SEEDING /SOD:
A. The Landscape Contractor shall be responsible for furnishing and installing all grassing/sod as shown on the plans or called for as a part of these specifications.
B. The areas to receive grass are to be brought to the grades as shown on the grading plans and approved by the Landscape Architect prior to grassing. The sod bed should be loose and friable just prior to applying sod.
C. Areas to receive seed / sod shall be clean of debris and weed free.
D. Soil shall be amended per soil test recommendations prior to seed / sod installation.
E. All seed shall be applied per manufacturers specifications.
F. All sod placed on slopes shall be pinned in place to prevent sliding.
G. After Installation sod surface should be smooth and flat with no gaps.

3.10 MAINTENANCE:
A. The height of any plant materials within the sight triangle shall be maintained as required per applicable City/County codes.
B. Owner shall consider the maintenance requirements of all plant materials for this project.
C. Trees and shrubs shall be maintained according to ANSI A300 and the companion Best Management Practices.

3.11 WARRANTY:
A. The Landscape Contractor shall warrant all work (including plants and trees) for a period of 1 year, replacing all dead or non-functional items at no cost to the Owner.
B. Understanding that there is a one (1) year warranty period on all installed plant material, it is incumbent upon the Landscape Contractor to inform the Landscape Architect immediately of deficiencies in prescribed plant material. You are also hereby informed that the Owner/Landscape Architect reserves the right to inspect installed plant material at any time within the one (1) year warranty period and call for replacements where deficiencies are present.
C. Landscape Contractor shall remove tree stakes and guying after 1-year warranty period has ended.



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PROJECT

Site Development Plans
Fantasy Harbour Bus Facility
Horry County Schools
Horry County • South Carolina
prepared for:
Horry County Schools

PROJECT NUMBER

22-027

RELEASE

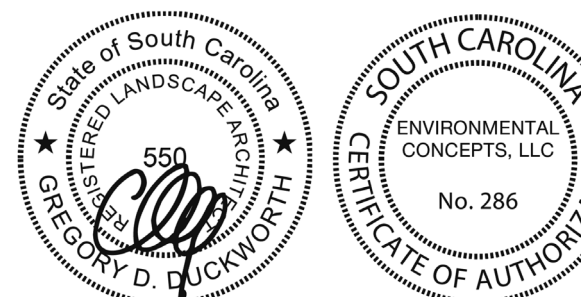
Permit

DATE

07/07/22

REVISIONS

SEALS



SHEET TITLE

Specifications

SHEET NUMBER

L-5.0

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SYMBOL SCHEDULE

**2009 SOUTH CAROLINA
ENERGY CONSERVATION CODE**
COMMERCIAL ENERGY EFFICIENCY – ELECTRICAL SUMMARY

C401 METHOD OF COMPLIANCE
 2009 NCECC CHAPTER 4 SC SPECIFIC COMCHECK PROVIDED
 N/A BASED ON PROJECT SCOPE ASHRAE 90.1-2013

C406 ADDITIONAL EFFICIENCY PACKAGE OPTIONS
 C406.2 EFFICIENT MECH EQUIPMENT C406.5 ON-SITE RENEWABLE ENERGY
 C406.3 REDUCED LTG DENSITY C406.6 DEDICATED OA SYSTEM
 C406.4 ENHANCED DIGITAL LTG CNTLS C406.7 HI-EFF SERVICE WTR HTG
 NOT APPLICABLE BASED ON PROJECT SCOPE C406.7.1 WTR HTG LOAD FRACTION SCOPE

C408 – SYSTEM COMMISSIONING:
 BUILDING IS LESS THAN 10,000 SQUARE FEET AND IS EXEMPT FROM THE SYSTEM COMMISSIONING REQUIREMENTS OF SECTION C408.
 BUILDING IS GREATER THAN 10,000 SQUARE FEET AND REQUIRES SYSTEM COMMISSIONING PER SECTION C408.

C405.2 – LIGHTING CONTROLS (MANDATORY REQUIREMENTS):
 LIGHTING SYSTEMS ARE PROVIDED WITH CONTROLS AS REQUIRED PER SECTION C405.2, EXCEPT WHERE EXEMPT.
 NOT APPLICABLE

C405.3 – EXIT SIGNS (MANDATORY REQUIREMENTS):
 INTERNALLY ILLUMINATED EXIT SIGNS DO NOT EXCEED 5 WATTS PER SIDE.
 NOT APPLICABLE

C405.4 – INTERIOR LIGHTING POWER REQUIREMENTS (PRESCRIPTIVE) (NON-EXEMPT):
 NOT APPLICABLE PER 2009 NCECC C503.1, EXCEPTION 2.G.
C405.4.1 – TOTAL CONNECTED INTERIOR LIGHTING POWER:
 XXX.XXX WATTS SPECIFIED
 XX % REDUCTION OF SPECIFIED VS. ALLOWED (APPLICABLE IF C406.1.2 IS SELECTED)
C405.4.2 – TOTAL ALLOWABLE INTERIOR LIGHTING POWER:
 METHOD OF COMPLIANCE:
 BUILDING AREA METHOD SPACE-BY-SPACE METHOD
 XXX.XXX WATTS ALLOWED

C405.5.1 – EXTERIOR BUILDING LIGHTING POWER (NON-EXEMPT):
 NOT APPLICABLE
TOTAL CONNECTED EXTERIOR LIGHTING POWER:
 10.672 WATTS SPECIFIED
TOTAL ALLOWABLE EXTERIOR LIGHTING POWER:
 31.675 WATTS ALLOWED

C405.6 – ELECTRICAL ENERGY CONSUMPTION (DWELLING UNITS):
 SEPARATE ELECTRICAL METERING HAS BEEN PROVIDED FOR EACH DWELLING UNIT IN GROUP R-2 BUILDINGS.
 NOT APPLICABLE

C405.7 – ELECTRICAL TRANSFORMERS (MANDATORY REQUIREMENTS):
 ELECTRICAL TRANSFORMERS HAVE BEEN SPECIFIED TO MEET MINIMUM EFFICIENCY REQUIREMENTS PER C405.7, EXCEPT WHERE EXEMPT.
 NOT APPLICABLE

C405.8 – ELECTRICAL MOTORS (MANDATORY REQUIREMENTS):
 ELECTRICAL MOTORS HAVE BEEN SPECIFIED TO MEET MINIMUM EFFICIENCY REQUIREMENTS PER C405.8, EXCEPT WHERE EXEMPT.
 NOT APPLICABLE

ABBREVIATIONS	
+42"	DIMENSION INDICATES HEIGHT ABOVE FINISHED FLOOR AT WHICH CENTER OF DEVICE IS TO MOUNTED. SEE PLANS.
3R	NEMA 3R
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLER UNIT
C.B.	CIRCUIT BREAKER
EC	EMPTY CONDUIT WITH PULL CORD
E.C.	ELECTRICAL CONTRACTOR
EW	ELECTRIC WATER COOLER
EW	ELECTRIC WATER HEATER
FACP	FIRE ALARM CONTROL PANEL
FPN	FUSE PER NAMEPLATE
LC	LIGHTING CONTACTOR
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
U.G.	UNDERGROUND
WP	WEATHERPROOF
S.E.	SERVICE ENTRANCE
EM	EMERGENCY FIXTURE WITH BATTERY OR GEN. BACK-UP
ER	EXISTING ITEM RELOCATED TO THIS LOCATION.
RL	EXISTING ITEM TO BE RELOCATED.
RM	EXISTING ITEM TO REMAIN.
RP	EXISTING ITEM TO BE REPLACED.
RV	EXISTING ITEM TO BE REMOVED.
Isc	RMS SYMMETRICAL SHORT CIRCUIT CURRENT
AIC	AMPERE INTERRUPTING CAPACITY (EQUIPMENT RATING)

DEVICES AND PATHWAYS

WIRING SYSTEM CONCEALED IN WALL OR CEILING. WHEN SHOWN, CROSS LINES INDICATE NUMBER OF WIRES. (GROUND WIRES ARE NOT SHOWN)

WIRING SYSTEM CONCEALED IN OR UNDER SLAB OR UNDERGROUND.

WIRING SYSTEM EXPOSED

CONDUIT TURNED UP TO FLOOR ABOVE.

CONDUIT TURNED DOWN TO FLOOR BELOW.

BRANCH CIRCUIT HOMERUN TO PANEL.

JUNCTION BOX WITH CONNECTION TO EQUIPMENT SERVED. 4" SQUARE BOX WITH A SINGLE-GANG OPENING AND PLASTER RING.

DUPLEX RECEPTACLE, 20 AMP, 120 VOLT. HUBBELL 5352, OR EQUAL

DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER BACKSPASH, OR AT HEIGHT NOTED.

GROUND FAULT RECEPTACLE. NEMA 5-20R DUPLEX. ALL RECEPTACLES INSTALLED OUTSIDE SHALL BE GFCI.

WEATHERPROOF RECEPTACLE. NEMA 5-20R GFI DUPLEX. COVER SHALL BE INTERMATIC #WP1020 (CLEAR) OR SPECIFICATION EQUAL.

PANELS, DISCONNECTS

CONNECTION TO MOTOR. STARTER PROVIDED BY OTHERS UNLESS OTHERWISE NOTED.

FRACTIONAL HORSEPOWER MANUAL MOTOR STARTER, WITH OVERLOAD PROTECTION

NON-FUSED HEAVY DUTY DISCONNECT SWITCH. NUMERALS INDICATE SWITCH RATING. NEMA 1 ENCLOSURE, UNLESS OTHERWISE NOTED.

FUSED HEAVY DUTY DISCONNECT SWITCH. NUMERALS INDICATE SWITCH RATING/FUSE SIZE. NEMA 1 ENCLOSURE, UNLESS OTHERWISE NOTED.

PANELBOARD. SEE SCHEDULE FOR MOUNTING. TOP OF PANEL AT 6'-6" AFF.

LIGHTING (SEE FIXTURE SCH.)

EXIT LIGHT WITH ARROWS AND NUMBERS OF FACES AS INDICATED ON PLANS. 90 MIN BATTERY BACKUP. SEE LIGHTING FIXTURE SCHEDULE.

EXTERIOR EMERGENCY FIXTURE WITH EMERGENCY BALLAST OR DRIVER. PROVIDE 1100 LUMEN INVERTER RATED FOR 90 MINUTE OPERATION. SEE FIXTURE SCHEDULE FOR FIXTURE TYPE. EMERGENCY DEVICE SHALL SUPPLEMENT FIXTURE.

SINGLE HEAD POLE FIXTURE. SEE FIXTURE SCHEDULE.

180 DEGREE DOUBLE HEAD POLE FIXTURE. SEE FIXTURE SCHEDULE.

90 DEGREE DOUBLE HEAD POLE FIXTURE. SEE FIXTURE SCHEDULE.

90 DEGREE FOUR HEAD POLE FIXTURE. SEE FIXTURE SCHEDULE.

KEY OPERATED SWITCH

2-HR TIMER SWITCH, 20 AMP, 120/277 VOLT, EQUAL TO INTERMATIC FF SERIES

PHOTO CONTROL, EXTERIOR, MOUNT FACING NORTH.

ELECTRICAL SHEET INDEX

PLAN NUMBER	PLAN NAME
E0.1	ELECTRICAL NOTES & LEGENDS
E0.2	ELECTRICAL SPECIFICATIONS
E0.3	ELECTRICAL SCHEDULES & RISER
E1.0	SITE PLAN – ELECTRICAL
E1.1	SITE PLAN – ELECTRICAL LIGHTING PHOTOMETRICS

Mechanical • Electrical • Plumbing
Fire Protection • Technology Design

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North Carolina License Number: C-0914

SEAL:

- PRELIMINARY -
NOT FOR CONSTRUCTION

09-20-22

Fantasy Harbour Bus
Horry County Schools

335 four mile road
conway, sc 29526

REV #	DATE	DESCRIPTION

DATE: XX-XX-2022
 PROJECT #: 22-0269
 DRAWN BY: hm
 DESIGNED BY: zk
 CHECKED BY: zk

SHEET TITLE:
**ELECTRICAL
 NOTES &
 LEGENDS**

DWG #:
E0.1
 SHEET NO: 1 of 5

1. GENERAL

A. THE WORK COVERED BY THESE SPECIFICATIONS CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, MATERIALS, AND SUPPLIES AS NECESSARY FOR THE COMPLETE AND SATISFACTORY OPERATING ELECTRICAL SYSTEMS AS SHOWN ON THE PLANS.

B. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2020 NATIONAL ELECTRICAL CODE, NFPA STATE BUILDING CODE, AND ANY OTHER LOCAL REQUIREMENTS THAT MAY APPLY.

C. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL ELECTRICAL PERMITS AND INSPECTION FEES.

D. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BE LISTED BY THE UNDERWRITERS LABORATORIES, INC. OR BY A STATE APPROVED THIRD PARTY TESTING AGENCY FOR THE USE INTENDED WHERE A STANDARD FOR SUCH MATERIALS AND USE EXISTS. ALL ITEMS OF THE SAME TYPE AND RATING SHALL BE IDENTICAL AND OF THE SAME MANUFACTURER.

E. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CATALOG DATA IN ELECTRONIC FORMAT (PDF) FOR ALL ELECTRICAL ITEMS IN THE SCOPE OF WORK, INCLUDING, BUT NOT LIMITED TO, RACEWAYS, BOXES, FITTINGS, CONDUCTORS, LUMINAIRES, WIRING DEVICES, SAFETY SWITCHES, DISCONNECTS, PANELBOARDS, ETC. FOR APPROVAL AS APPLICABLE FOR THE PROJECT. ONE COMPLETE SET OF APPROVED SUBMITTALS SHALL BE MAINTAINED AT THE JOB SITE.

F. ALL COST ASSOCIATED WITH SUBSTITUTED EQUIPMENT TO COMPLY WITH THE BASIS OF DESIGN, INCLUDING PROVIDING MAINTENANCE ACCESS, CLEARANCE, CONDUIT, WIRING, REPLACEMENT OF OTHER SYSTEM COMPONENTS, BUILDING ALTERATIONS, METHODS, ETC. SHALL BE INCLUDED IN THE ORIGINAL BASE BID. NO ADDITIONAL COSTS ASSOCIATED WITH SUBSTITUTED EQUIPMENT WILL BE APPROVED AFTER BIDS HAVE BEEN ACCEPTED AND ALL COSTS WILL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. CREDITS SHALL BE GIVEN TO THE OWNER WHERE SUCH EQUIPMENT AND METHODS RESULT IN LESS EXPENSE TO THE CONTRACTOR.

G. ONE COMPLETE SET OF THE LATEST CONSTRUCTION PLANS OF ALL TRADES SHALL BE MAINTAINED AT THE JOB SITE. IN ADDITION, ALL ADDENDUMS, BULLETINS, AND/OR SKETCHES SHALL BE INCORPORATED INTO THE ON-SITE CONSTRUCTION PLANS AS THE JOB PROGRESSES.

H. COMPLETELY ADEQUATE HOUSING SHALL BE PROVIDED FOR ALL MATERIALS STORED ON JOB SITE. ONLY CONDUIT MAY BE STORED OUTSIDE, BUT NOT IN CONTACT WITH THE GROUND.

I. THE CONDUIT AND NEUTRAL SYSTEM SHALL BE GROUNDED AT THE MAIN SERVICE EQUIPMENT. GROUNDING ELECTRODE SYSTEM SHALL BE INSTALLED PER NEC 250.

J. PROVIDE AN INTERSYSTEM BONDING TERMINATION DEVICE AT THE MAIN ELECTRICAL SERVICE PER NEC 250.94.

K. WIRING SHALL BE TESTED FOR CONTINUITY AND GROUNDS BEFORE BEING ENERGIZED. FAULTY WIRING SHALL BE REPLACED AT NO ADDITIONAL EXPENSE TO THE OWNER.

L. PROVIDE ALL CUTTING AND PATCHING FOR INSTALLATION OF WORK AND REPAIR ANY DAMAGED DONE.

M. THE ELECTRICAL CONTRACTOR SHALL CONNECT ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS (UNLESS OTHERWISE NOTED), EXCEPT FOR CONTROL WIRING FOR EQUIPMENT NOT PROVIDED BY THE ELECTRICAL CONTRACTOR. CONTROL WIRING FOR SUCH EQUIPMENT SHALL BE PROVIDED BY THE RESPECTIVE DISCIPLINE.

N. ALL ELECTRICAL JUNCTION BOXES, SWITCHGEAR, CABLING, VOICE/DATA OUTLETS, LOW VOLTAGE CABINETS, EMERGENCY RECEPTACLES, ETC. SHALL BE LABELED ACCORDING TO PANEL/RACK AND CIRCUIT NUMBER.

O. UPON COMPLETION OF WORK, CONTRACTOR SHALL PRESENT ENGINEER WITH CERTIFICATE OF APPROVAL FROM LOCAL INSPECTOR AND/OR AUTHORITY HAVING JURISDICTION BEFORE WORK WILL BE APPROVED FOR FINAL PAYMENT.

P. CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR A PERIOD OF ONE YEAR EFFECTIVE THE DATE THE PROJECT IS ACCEPTED BY THE OWNER. ANY IMPERFECT MATERIALS OR WORKMANSHIP SHALL BE REPLACED WITHOUT ADDED COST TO THE PROJECT.

Q. IT SHALL NOT BE THE INTENT OF ISSUED PLANS AND/OR SPECIFICATIONS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE ELECTRICAL CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL NECESSARY ITEMS FOR A COMPLETE AND OPERATING SYSTEM.

R. THE WORD "PROVIDE" MEANS THAT THIS CONTRACTOR SHALL FURNISH, FABRICATE, ERECT, CONNECT, AND COMPLETELY INSTALL SYSTEMS IN PROPER OPERATING CONDITION. ALL LABOR, PRODUCT OPTIONS, ACCESSORIES AND INCIDENTAL MATERIALS REQUIRED SHALL BE INCLUDED AS PART OF THIS WORK TO COMPLETE THE INSTALLATION.

S. THE WORD "CONNECT" MEANS THAT THIS CONTRACTOR SHALL PROVIDE (SEE DEFINITION ABOVE) ALL DISCONNECTING MEANS, OVERCURRENT PROTECTION AND WIRING REQUIRED TO PLACE THE EQUIPMENT AND SYSTEMS IN PROPER OPERATING CONDITION AND TO COMPLY WITH CODE REQUIREMENTS.

T. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL OUTLET LOCATIONS WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS, AND MILLWORK SHOP DRAWINGS PRIOR TO ROUGH-IN.

U. ELECTRICAL CONTRACTOR SHALL NOT SCALE PLANS. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT, UNLESS OTHERWISE NOTED.

V. IF DURING THE COURSE OF WORK, THE CONTRACTOR DISCOVERS A PROBLEM WITH THE PERFORMANCE OF THE INSTALLATION RELATIVE TO THE PLANS AND SPECIFICATIONS, THE NEC, OR OTHER CODES OR REQUIREMENTS, THE CONTRACTOR SHALL IMMEDIATELY BRING THE PROBLEM TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER FOR RESOLUTION PRIOR TO THE EXECUTION OF THE WORK.

W. WHERE THERE ARE CONFLICTS BETWEEN THE PLANS AND SPECIFICATIONS, THE CONTRACTOR SHALL BRING THE ISSUE TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION PRIOR TO THE EXECUTION OF THE WORK OR ORDERING ANY MATERIALS. NO ADDITIONAL COSTS SHALL BE WARRANTED WITHOUT A CHANGE TO THE PROJECT SCOPE.

X. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PROVIDING TEMPORARY POWER AND LIGHTING FOR ALL TRADES. AT NO TIME SHALL EXISTING BUILDING POWER SYSTEMS BE UTILIZED WITHOUT WRITTEN PERMISSION FROM THE OWNER.

Y. COORDINATE LOCATION AND REQUIREMENTS FOR ELECTRICAL SERVICE WITH THE POWER COMPANY. WHERE MORE THAN ONE SERVICE IS SUPPLIED TO A BUILDING, PROVIDE IDENTIFICATION AT EACH SERVICE PER NEC 230-2(E).

2. RACEWAY

A. CONDUIT SHALL BE MANUFACTURED BY ALLIED, WHEATLAND, REPUBLIC CONDUIT, WESTERN TUBE, OR APPROVED EQUIVALENT.

B. USE SCHEDULE 40 PVC BELOW CONCRETE SLAB, IN DUCTBANKS, AND FOR EXTERIOR WORK WHERE NOT SUBJECT TO DAMAGE. USE IMC WHERE SUBJECT TO PHYSICAL DAMAGE.

C. SUPPORT ALL CONDUIT WITH STRAPS AND CLAMPS.

D. ALL CONDUIT SHALL BE RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES, WHETHER EXPOSED OR NOT AND SUPPORTED FROM STRUCTURE AND PROPERLY SECURED.

E. MINIMUM CONDUIT SIZE SHALL BE 1" FOR INTERIOR WORK.

F. PROVIDE MINIMUM 210P TEST NYLON PULL CORD AND NYLON BUSHINGS IN ALL EMPTY RACEWAYS.

G. LIQUID-TIGHT METAL CONDUIT SHALL ONLY BE USED FOR FINAL CONNECTIONS TO EQUIPMENT AND ALL OTHER ROTATING AND VIBRATING EQUIPMENT. MAXIMUM LENGTH OF 3'-0".

H. FLEXIBLE METAL CONDUIT, MINIMUM SIZE 3/8", SHALL ONLY BE USED FOR FINAL CONNECTION TO LIGHTING FIXTURES. MAXIMUM LENGTH OF 6'-0".

I. PROVIDE RULL BOXES SUCH THAT NO SINGLE CONDUIT RUN HAS BENDS IN EXCESS OF 360°. PULL BOXES SHALL BE SUITABLE AND APPROVED FOR THE INTENDED USE. WHERE CONDUITS PASS UNDER PAVED AREAS, THEY SHALL BE RGS.

J. ALL CONDUIT BENDS/ELBOWS EMERGING FROM UNDERGROUND SHALL BE IMC AND SHALL EXTEND A MINIMUM OF 18" BELOW GRADE.

K. ALL UNDERGROUND RACEWAYS SHALL BE THOROUGHLY COATED WITH TWO COATS OF ASPHALTUM BITUMASTIC.

L. ALL CONDUITS INSTALLED UNDERGROUND OR IN CONCRETE SHALL HAVE JOINTS MADE WATER-TIGHT BY USE OF POLYETRA-FLUOROETHYLENE TAPE.

M. THE USE OF AC, MC, OR NM CABLE IS NOT PERMITTED.

3. OUTLET BOXES

A. JUNCTION AND PULL BOXES SHALL BE CODE GAUGE GALVANIZED STEEL. ACCEPTED MANUFACTURERS SHALL BE STEEL CITY (THOMAS & BETTS), RACO, CROUSE-HINDS, APPLETON (EMERSON), OR APPROVED EQUIVALENT.

B. ALL OUTLET BOXES SHALL HAVE COVER PLATES. BLANK IS NOT USED.

C. ALL EXTERIOR BOXES SHALL BE CAST, GASKETED AND WATER-TIGHT.

4. CONDUCTORS

A. CONDUCTORS SHALL BE MANUFACTURED BY SOUTH WIRE (SIMPULL), ENCORE (SUPERLUCK), UNITED COPPER (SLK), CERRO (SLP), OR APPROVED EQUAL. "PRE-LUBRICATED" BY THE MANUFACTURER.

B. ALL CONDUCTORS SHALL BE COPPER, RATED 75° C WET/DRY EXCEPT WHERE OTHERWISE NOTED OR REQUIRED BY UL OR OTHER CODES.

C. ALL CONDUCTORS SHALL BE SINGLE INSULATED CONDUCTOR, THHN/THWN-2. SIZES #10 AWG AND SMALLER SHALL BE SOLID. SIZES #8 AWG AND LARGER SHALL BE STRANDED.

D. BRANCH CIRCUITS SHALL NOT BE SMALLER THAN #10 AWG. CONTROL WIRING MAY BE #14 AWG.

E. CONDUCTORS SHALL BE COLOR CODED BLACK/RED FOR 120/240 VOLT SYSTEMS FOR A & B PHASES, RESPECTIVELY. NEUTRAL SHALL BE WHITE. GROUND CONDUCTOR SHALL BE GREEN. ALL CONDUCTOR SIZES SHALL HAVE COLOR-CODED INSULATION. THE USE OF COLORED TAPE ON LARGER WIRE SIZES SHALL NOT BE ALLOWED.

F. INSULATION SHALL BE DUAL RATED TYPE THHN/THWN-2 FOR FEEDERS AND BRANCH CIRCUITS. FIXTURE TAPS SHALL BE #12 THHN/THWN-2 IN FLEX WITH GREEN #12 AWG GROUNDING CONDUCTOR.

G. ALL CONDUCTORS SHALL BE IN CONDUIT.

H. WIRING TO LIGHTING FIXTURES SHALL BE AS REQUIRED BY UL LABEL.

I. MULTI-WIRE BRANCH CIRCUITS SHALL NOT BE ALLOWED.

J. a. ALL 20A MULTI-WIRE RECEPTACLE CIRCUITS SHALL UTILIZE A #10 AWG NEUTRAL CONDUCTOR.

b. JOINTS IN #10 AWG AND SMALLER SHALL BE MADE UP WITH SILICONE FILLED WIRENUTS (MAXIMUM OF 3 CONDUCTORS UNDER ANY CONNECTOR OR WIRENUT). LARGER WIRE SHALL USE SPLIT BOLTS OR BOLTED CLAMPS.

K. ALL WIRING LUGS THROUGHOUT THE PROJECT, INCLUDING, BUT NOT LIMITED TO, BREAKERS, PANELBOARD/SWITCHBOARD LUGS, SAFETY SWITCH LUGS, MOTOR STARTER LUGS, TRANSFORMERS LUGS, WIRING DEVICE TERMINALS, AND ALL EQUIPMENT LUGS/TERMINALS SHALL BE RATED FOR USE WITH 75 DEGREE INSULATED CONDUCTORS AT THEIR 75 DEGREE AMPACITY AND SHALL BE SIZED AND SELECTED TO MATCH THE CONDUCTOR SIZE AND MATERIAL.

L. CIRCUIT JOINTS SHALL NOT BE MADE ON DEVICE TERMINALS.

M. WIRE WITHIN PANELBOARDS SHALL BE NEATLY TRAINED, SQUARED, RUNCHED, AND TAGGED.

N. GROUND ALL EQUIPMENT PER NEC ARTICLE 250. BOND WHERE CONDUITS ENTER ENCLOSURES THROUGH CONCENTRIC KNOCKOUTS. ALL FLEX, INCLUDING FIXTURE TAPS, SHALL INCLUDE GREEN GROUNDING CONDUCTOR, #12 AWG MINIMUM. PROVIDE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR IN EACH CONDUIT AND FOR EACH CIRCUIT. SIZED PER NEC 250.122.

O. THE ELECTRICAL CONTRACTOR SHALL FOLLOW AND APPLY THE TABLE BELOW, REGARDLESS WHAT THE PANEL SCHEDULE INDICATES, FOR SIZING ALL 120V & 277V, 20 AMP BRANCH CIRCUITS (COPPER CONDUCTORS) TO ALLOW A MAXIMUM OF 5% VOLTAGE DROP FROM THE CIRCUIT BREAKER TO THE FIRST DEVICE ON THE BRANCH CIRCUIT AND ACHIEVE A MAXIMUM OF 5% VOLTAGE DROP ACROSS THE ENTIRE BRANCH CIRCUIT.

VOLTAGE	CONDUCTOR LENGTH*	BRANCH CIRCUIT
120	0' - 50'	#12
120	51' - 90'	#10
120	91' - 140'	#8
120	141' - 295'	#6

* - THE LENGTH IS MEASURED FROM THE CIRCUIT BREAKER TO THE FIRST DEVICE WHICH THE BRANCH CIRCUIT SERVES. WHERE THE DISTANCE EXCEEDS ABOVE, CONSULT WITH THE ENGINEER.

5. WIRING DEVICES

A. WIRING DEVICES SHALL BE SPECIFICATION GRADE, MINIMUM EQUAL TO COOPER QUALITY INDICATED BELOW OR AS MANUFACTURED BY HUBBELL, LEGRAND-PASS & SEYMOUR, LEVITON, OR APPROVED EQUAL, UNLESS OTHERWISE NOTED.

SWITCHES (120/277V) SHALL BE AS FOLLOWS:

SINGLE-POLE 20 AMP COOPER AH1221

DUPLEX RECEPTACLES SHALL HAVE A NYLON FACE AND SHALL BE AS FOLLOWS:

20 AMP DUPLEX	COOPER 5352
20 AMP DUPLEX GFCI	COOPER SGF20F
20 AMP DUPLEX CORROSION	COOPER S36ZCR

THE PART NUMBERS ABOVE ARE FOR WIRING DEVICE TYPE ONLY. SEE BELOW FOR WIRING DEVICE COLOR AND PLATE MATERIAL/COLOR.

B. SEE MOUNTING HEIGHT ELEVATION DETAIL FOR STANDARD MOUNTING HEIGHTS OF ALL DEVICES, UNLESS OTHERWISE NOTED.

C. ALL WIRING DEVICES (SWITCHES AND RECEPTACLES) SHALL BE GRAY, UNLESS OTHERWISE NOTED.

D. EACH DUPLEX RECEPTACLE INDICATED TO BE ON A DEDICATED CIRCUIT SHALL BE 20 AMP TYPE.

E. WEATHERPROOF COVERS SHALL BE "WHILE-IN-USE" SO PLUGS MAY BE INSTALLED WITHOUT COMPROMISING THE WP FUNCTION. COOPER #WU-2 DOUBLE-GANG WITH CLEAR COVER OR APPROVED EQUAL.

F. GROUND-FULT CIRCUIT INTERRUPTER (GFCI) PROTECTION FOR PERSONNEL SHALL BE PROVIDED FOR ALL LOCATIONS PER NEC 210.8, INSTALLED IN A READILY ACCESSIBLE LOCATION. WHERE A DEVICE LOCATION IS NOT ACCESSIBLE, THE GFCI PROTECTION SHALL BE PROVIDED WITH THE BREAKER SERVING THE DEVICE.

G. ALL GFCI RECEPTACLES SHALL HAVE AUTO-MONITORING / SELF-TEST FUNCTION AND REVERSE LINE LOAD MISFIRE FUNCTION AND MEET ALL REQUIREMENTS OF UL 943 (LATEST EDITION).

6. SUPPORTS

A. ALL EQUIPMENT SHALL BE ADEQUATELY SUPPORTED FROM STRUCTURE.

B. INSERTS IN MASONRY SHALL BE LEAD OR FIBER IN DRILLED HOLES, OR CAST IN PLACE.

C. IMC/RGS SUPPORTS SHALL BE A MAXIMUM OF 8'-0" APART AND A MAXIMUM OF 3'-0" FROM BOXES.

7. PAINTING

A. SUITABLE FINISH COAT SHALL BE PROVIDED FOR ALL EQUIPMENT, PANEL TUBS, COVERS, ETC. SHALL BE PRIMED AND ENAMELED TO BLEND WITH ADJACENT SURFACES, OR SHALL BE MANUFACTURER'S STANDARD COLOR OR BAKED ENAMEL FINISH, OR AS DIRECTED BY THE ARCHITECT.

B. CONTRACTOR TO PAINT WHERE EXISTING EXPOSED PANELBOARDS, SURFACE RACEWAY, SURFACE BOXES, ETC. HAVE BEEN REMOVED DURING THE DEMOLITION PHASE, EITHER FOR TEMPORARY WORK OR PERMANENTLY.

10. LIGHTING CONTROLS

A. FURNISH AND INSTALL WHERE SHOWN AN ELECTRONIC TIME CONTROLLER AS MANUFACTURED BY TORK (NSI), PARAGON, INTERMATIC, OR APPROVED EQUAL. CONTACTS SHALL BE SPST OR AS INDICATED. RATED 120/277V AT 20A BALLAST LOAD AND MINIMUM 3000'S SWITCHING CYCLES. PROVIDE WITH THE NUMBER OF CHANNELS INDICATED (MINIMUM 2 CHANNELS) OR AS REQUIRED TO MEET THE INTENT OF THE DRAWINGS. EACH CHANNEL SHALL BE INDIVIDUALLY PROGRAMMABLE WITH 128 ON-OFF OPERATIONS PER WEEK PLUS FOUR SEASONAL SCHEDULES TO MODIFY THE BASIC PROGRAM AND A HOLIDAY SCHEDULE THAT OVERRIDES THE WEEKLY OPERATION. THE CONTROLLER SHALL BE PROVIDED WITH A PHOTOELECTRIC SENSOR, ASTRONOMIC DIAL, AND A BATTERY BACKED-UP, NON-VOLITILE MEMORY FOR SCHEDULES AND TIME CLOCK.

B. LIGHTING CONTACTORS SHALL SWITCH LOADS AT THE VOLTAGE AND AMPERE RATING INDICATED AND SHALL HAVE THE NUMBER OF POLES INDICATED ON THE DRAWINGS OR AS REQUIRED. THE CONTACTOR AND CONTACTS SHALL BE CONTINUOUSLY RATED FOR THE LOAD SERVED, INCLUDING TUNGSTEN FILAMENT, INDUCTIVE, AND HIGH-INRUSH BALLAST LOADS.

C. ALL LIGHTING CONTACTORS SHALL BE ELECTRICALLY HELD AND BE INSTALLED IN A NEMA 1 ENCLOSURE, UNLESS OTHERWISE NOTED.

11. EQUIPMENT IDENTIFICATION

A. PROVIDE ENGRAVED PHENOLIC NAMEPLATES FOR ALL ELECTRICAL EQUIPMENT SUPPLIED FOR THE PROJECT, INCLUDING BUT NOT LIMITED TO WIRING TROUSERS, SAFETY SWITCHES, DISCONNECTS, PANELBOARDS, NAMEPLATE SHALL INDICATE THE DEVICE NAME, SYSTEM VOLTAGE (VOLTAGE/PHASE/WIRE), AND UPSTREAM DEVICE AND CIRCUIT. PROVIDE NAMEPLATES FOR CIRCUIT BREAKERS IN SWITCHGEARS, SWITCHBOARDS AND DISTRIBUTION PANELS.

B. NAMEPLATE COLORS SHALL BE AS FOLLOWS:

120/208V EQUIPMENT	BLUE SURFACE WITH WHITE CORE
FIRE ALARM SYSTEMS	BRIGHT RED SURFACE WITH WHITE CORE
SECURITY SYSTEMS	BURGUNDY SURFACE WITH WHITE CORE
TELEPHONE SYSTEMS	ORANGE SURFACE WITH WHITE CORE
DATA SYSTEMS	BROWN SURFACE WITH WHITE CORE

C. NAMEPLATES UP TO 8 SQUARE INCHES SHALL NOT BE LESS THAN 1/16" THICK. NAMEPLATES LARGER THAN 8 SQUARE INCHES SHALL NOT BE LESS THAN 1/8" THICK.

D. LETTERING HEIGHT SHALL BE 1/2" MINIMUM.

E. NAMEPLATES SHALL BE ATTACHED WITH SELF-DRILLING/SELF-TAPPING SCREWS, EXCEPT RIVETS SHALL BE USED WHERE END OF SCREW IS NOT PROTECTED. QUANTITY AS FOLLOWS:

UP TO 5 SQUARE INCHES	2 SCREWS
5 TO 12 SQUARE INCHES	4 SCREWS
ABOVE 12 SQUARE INCHES	6 SCREWS

12. DISCONNECTS

A. DISCONNECT SWITCHES SHALL BE HEAVY-DUTY TYPE IN NEMA 3R ENCLOSURES, UNLESS OTHERWISE NOTED, FUSED OR NON-FUSED AS INDICATED. SWITCHES SHALL HAVE REJECTION-TYPE FUSE CLIPS. SWITCHES SHALL BE BY EATON, SQUARE-D, GENERAL ELECTRIC, OR APPROVED EQUAL.

B. FUSES LESS THAN 60A SHALL BE CLASS RK5, DUAL-ELEMENT, TIME-DELAY WITH INDICATION.

C. FUSES GREATER THAN 60A SHALL BE CLASS J, DUAL-ELEMENT, TIME-DELAY WITH INDICATION.

D. A SET OF 3 SPARE FUSES OF EACH SIZE AND TYPE SHALL BE FURNISHED TO THE OWNER.

13. PANELBOARDS

A. PANELBOARDS SHALL BE PROVIDED AS MANUFACTURED BY EATON, SQUARE-D, GENERAL ELECTRIC, OR APPROVED EQUAL. ALL NEW EQUIPMENT FOR THE PROJECT SHALL BE BY THE SAME MANUFACTURER.

B. ALL BUSSING, INCLUDING NEUTRAL AND GROUND, SHALL BE COPPER.

C. ALL BREAKERS SHALL BE AUTOMATIC THERMAL-MAGNETIC TYPE MOLDED CASE BOLT-ON TYPE, CALIBRATED FOR 40 DEGREE C, OR AMBIENT COMPENSATION, UNLESS OTHERWISE NOTED.

D. PANELS SHALL BE FULLY RATED (AFCI) NO SERIES AFC RATINGS ARE ALLOWED.

E. PANELS SHALL HAVE FULL SIZE EQUIPMENT GROUNDING BARS AND NEUTRAL BARS.

F. ALL PANELBOARD AND BREAKER LUGS SHALL BE SIZED AND RATED PER THE CONDUCTOR SIZE AND MATERIAL.

G. LIGHTING AND APPLIANCE PANELS (200A-400A) SHALL HAVE FRONT ACCESSIBLE HINGED DOOR-IN-DOOR COVERS WITH DEAF FRONT, SHALL BE 20" WIDE MINIMUM WITH MINIMUM 4" WIDE WIRING GUTTERS.

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SEAL:

- PRELIMINARY -
NOT FOR CONSTRUCTION

09-20-22

Fantasy Harbour Bus
Horry County Schools

335 four mile road
conway, sc 29526

REV #	DATE	DESCRIPTION

DATE: xx-xx-2022
PROJECT #: 22-0269
DRAWN BY: hm
DESIGNED BY: zk
CHECKED BY: zk

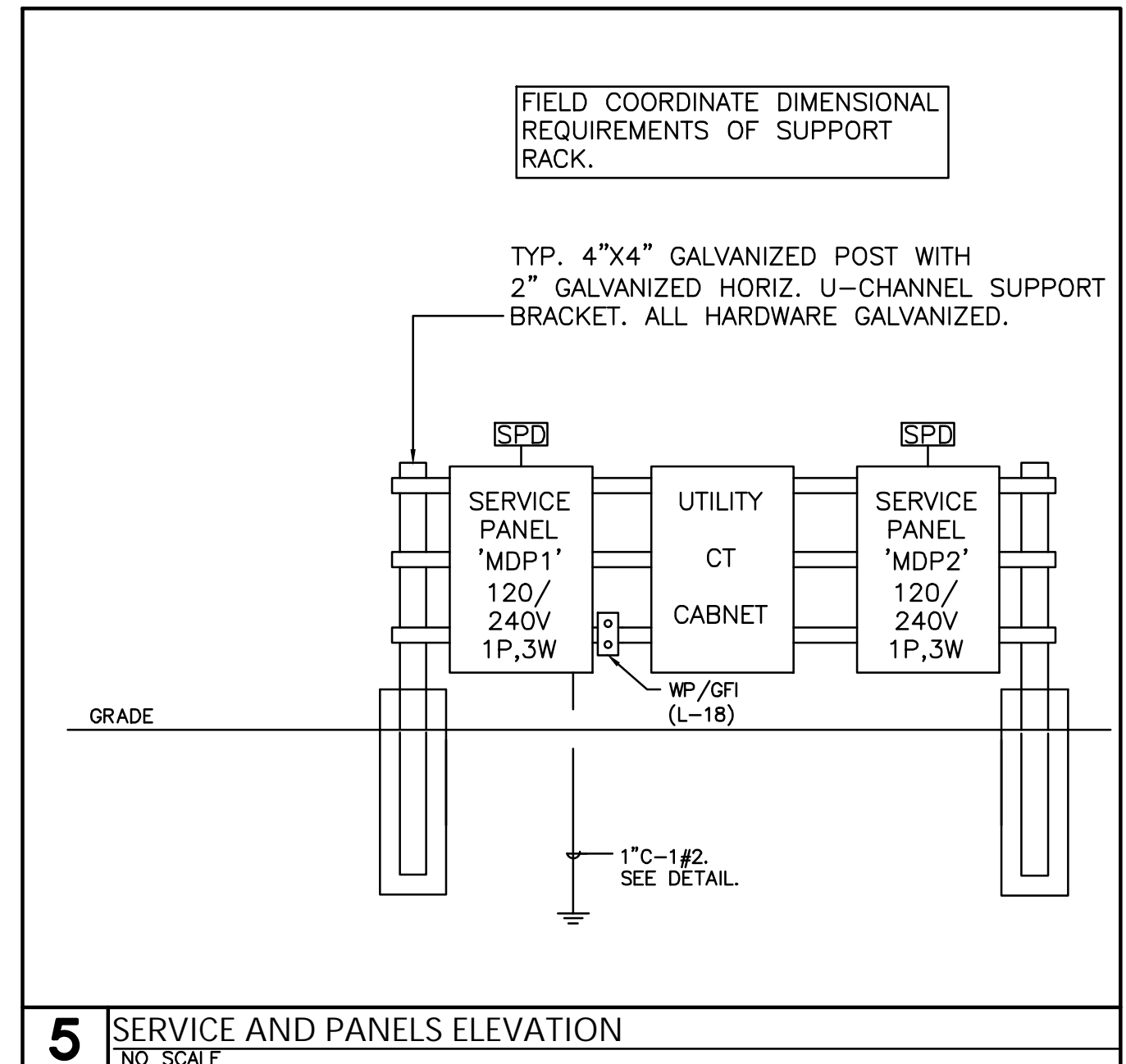
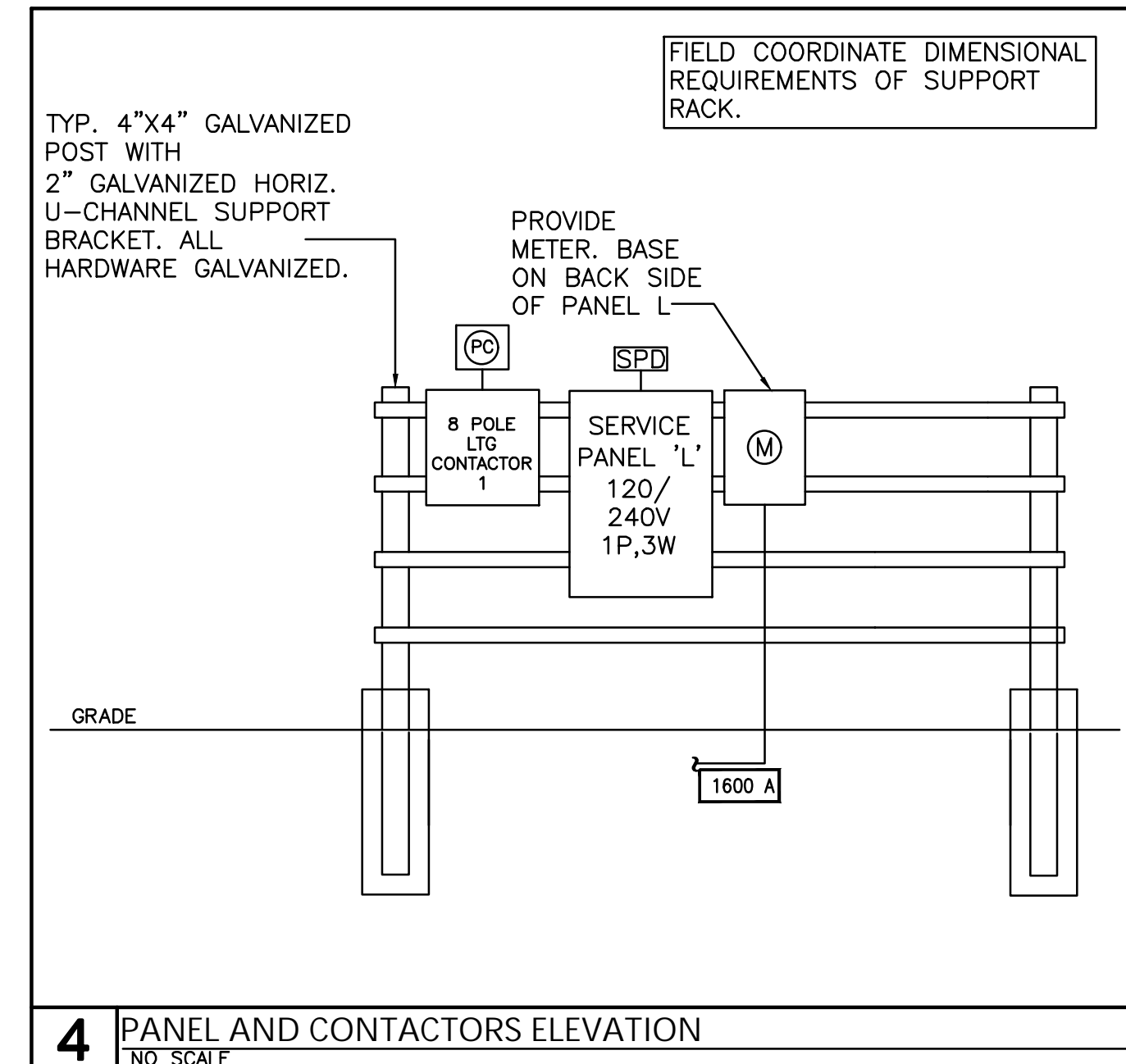
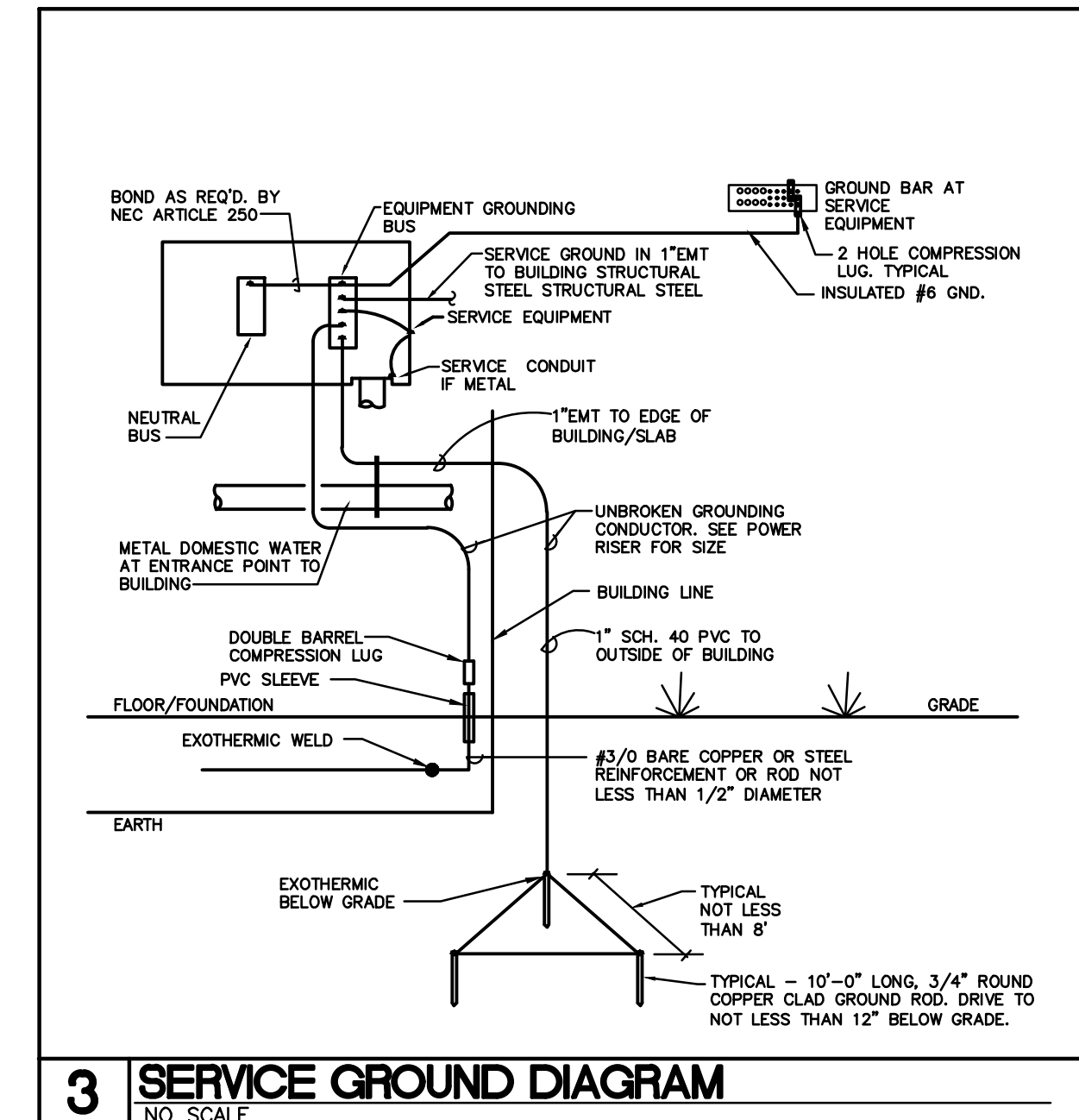
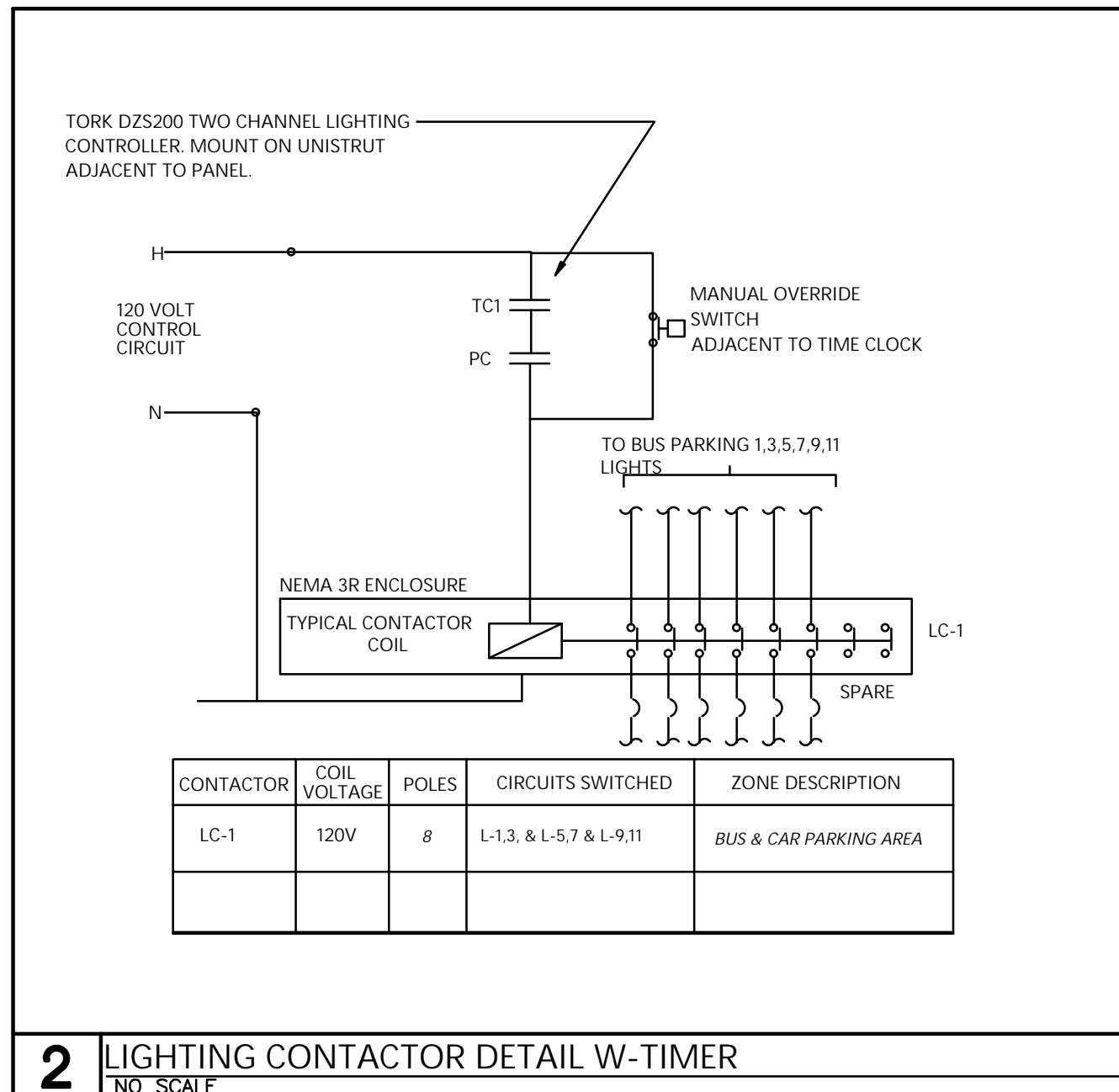
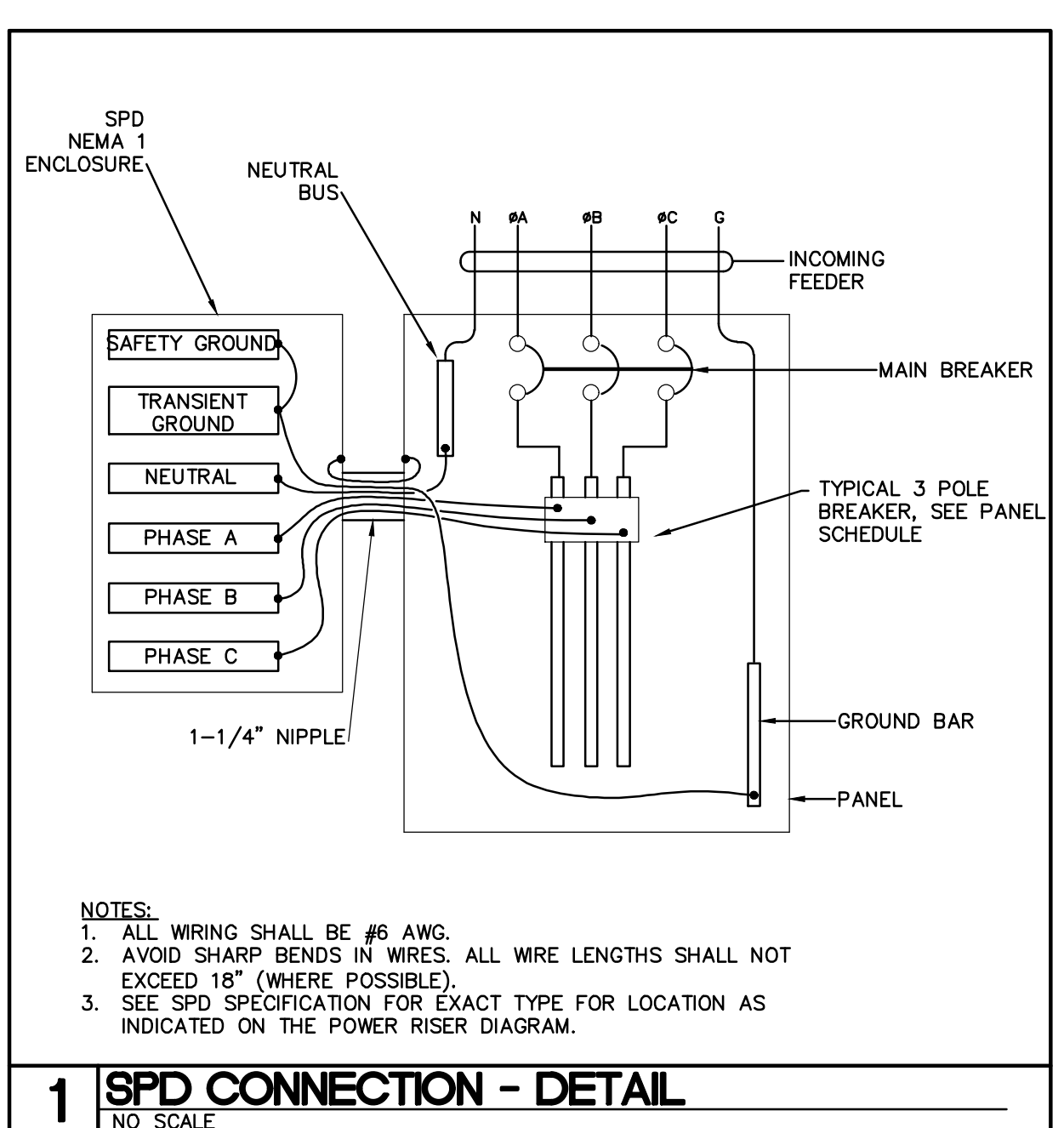
SHEET TITLE:
ELECTRICAL
SPECIFICATIONS

DWG #:
E0.2
SHEET NO: 2 of 5

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LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LUMENS	CCT	TOTAL FIXTURE WATTAGE	BALLAST/DRIVER	VOLTAGE	MANUFACTURER	MODEL	REMARKS	EXAMPLE
S1	SITE LIGHTING AND SINGLE HEAD POLE	69,976	4000K	552 W	INTEGRAL LED DRIVER	240	COOPER	GALN-SA9D-740-U-T4FT	1-HEAD, 55' POLE	
S1A	SITE LIGHTING AND TWO HEAD POLE	69,976/HEAD	4000K	1104 W	INTEGRAL LED DRIVER	240	COOPER	GALN-SA9D-740-U-T4FT	2-HEADS, 55' POLE	
S2	SITE LIGHTING AND TWO HEAD POLE	46,086/HEAD	4000K	368 W	INTEGRAL LED DRIVER	240	COOPER	GALN-SA3D-740-U-T4FT	2-HEADS, 25' POLE	
S4	SITE LIGHTING AND SINGLE HEAD POLE	23,043	4000K	184 W	INTEGRAL LED DRIVER	240	COOPER	GALN-SA3D-740-U-T4FT	1-HEAD, 25' POLE	



PANEL: MDP1

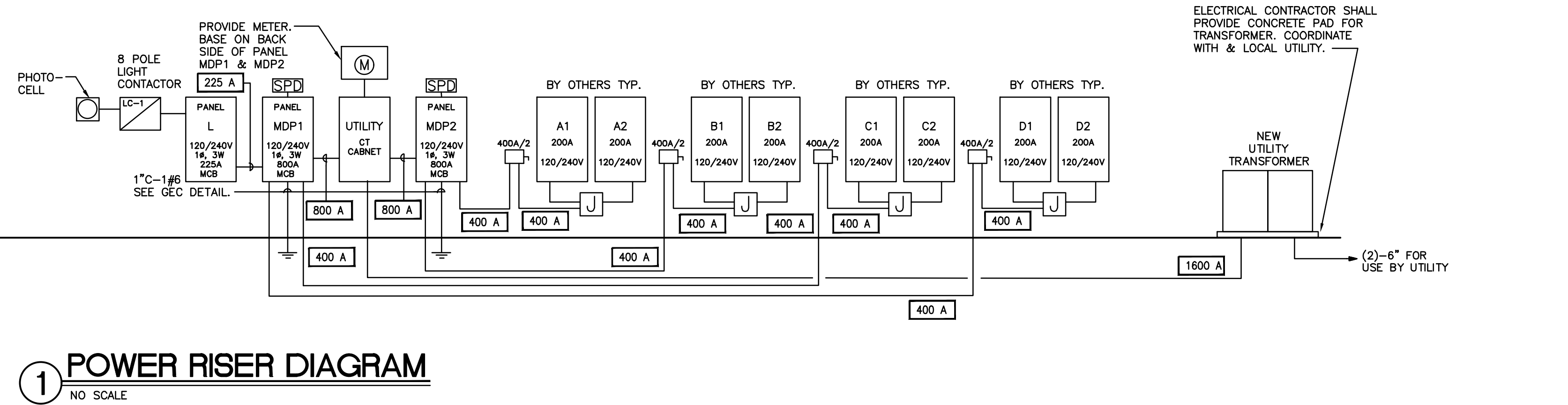
LOAD TYPE	LOAD KVA	LOAD SERVED	WIRE	TRIP	FRAME (INR 1)	CTK NO	L1	L2	LOAD SERVED	LOAD KVA	LOAD TYPE
S	0.00	CT & C2	3/0	200	1	1	1	2	20	12	SPARE
S	0.00	SPARE	3/0	200	2	2	1	2	20	12	SPARE
S	0.00	D1 & D2	3/0	200	5	7	8	8	20	12	SPARE
S	0.00	SPARE	3/0	200	6	8	9	9	20	12	SPARE
T	0.07	PHL "L"	4/0	100	9	10	10	10	20	12	SPARE
F	8.88	SPARE	4/0	100	11	11	12	12	20	12	SPARE
R	0.00	SPARE	12	20	13	14	14	14	20	12	SPARE ONLY
WH	SPARE	12	20	15	16	16	16	16	20	12	SPARE ONLY
MS	SPARE	12	20	17	18	18	18	18	20	12	SPARE ONLY
S	SPARE	12	20	19	20	20	20	20	20	12	SPARE ONLY
S	SPARE	12	20	21	22	22	22	22	20	12	SPARE ONLY
S	SPARE	12	20	23	24	24	24	24	20	12	SPARE ONLY
S	SPARE	12	20	25	26	26	26	26	20	12	SPARE ONLY
S	SPARE	12	20	27	28	28	28	28	20	12	SPARE ONLY
S	SPARE	12	20	29	30	30	30	30	20	12	SPARE ONLY
S	SPARE	12	20	31	32	32	32	32	20	12	SPARE ONLY
S	SPARE	12	20	33	34	34	34	34	20	12	SPARE ONLY
S	SPARE	12	20	35	36	36	36	36	20	12	SPARE ONLY
S	SPARE	12	20	37	38	38	38	38	20	12	SPARE ONLY
S	SPARE	12	20	39	40	40	40	40	20	12	SPARE ONLY
S	SPARE	12	20	41	42	42	42	42	20	12	SPARE ONLY
SUB-TOTALS											
12.0											

PANEL: MDP2

LOAD TYPE	LOAD KVA	LOAD SERVED	WIRE	TRIP	FRAME (INR 1)	CTK NO	L1	L2	LOAD SERVED	LOAD KVA	LOAD TYPE
S	0.00	A1 & A2	3/0	200	1	1	1	2	20	12	SPARE
S	0.00	SPARE	3/0	200	2	2	1	2	20	12	SPARE
S	0.00	B1 & B2	3/0	200	5	7	8	8	20	12	SPARE
S	0.00	SPARE	3/0	200	6	8	9	9	20	12	SPARE
T	0.07	PHL "L"	4/0	100	9	10	10	10	20	12	SPARE
F	8.88	SPARE	4/0	100	11	11	12	12	20	12	SPARE
R	0.00	SPARE	12	20	13	14	14	14	20	12	SPARE ONLY
WH	SPARE	12	20	15	16	16	16	16	20	12	SPARE ONLY
MS	SPARE	12	20	17	18	18	18	18	20	12	SPARE ONLY
S	SPARE	12	20	19	20	20	20	20	20	12	SPARE ONLY
S	SPARE	12	20	21	22	22	22	22	20	12	SPARE ONLY
S	SPARE	12	20	23	24	24	24	24	20	12	SPARE ONLY
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S	SPARE	12	20	39	40	40	40	40	20	12	SPARE ONLY
S	SPARE	12	20	41	42	42	42	42	20	12	SPARE ONLY
SUB-TOTALS											
0.0											

PANEL: L

LOAD TYPE	LOAD KVA	LOAD SERVED	WIRE	TRIP	FRAME (INR 1)	CTK NO	L1	L2	LOAD SERVED	LOAD KVA	LOAD TYPE
L	0.92	SITE LIGHT - CAR PARKING	8	20	1	1	1	2	20	8	SITE LIGHT - BUS PARKING
L	0.92	SPARE	8	20	2	2	1	2	20	8	SPARE
L	1.68	SITE LIGHT - BUS PARKING	8	20	5	7	8	8	20	12	SPARE
L	1.68	SPARE	8	20	6	8	9	9	20	12	SPARE
L	1.68	SITE LIGHT - BUS PARKING	8	20	9	10	10	10	20	12	SPARE
L	1.68	SPARE	8	20	11	11	12	12	20	12	SPARE
R	0.18	RECEP - SITE	12	20	13	14	14	14	20	12	SPARE ONLY
S	SPARE ONLY	12	20	15	16	16	16	16	20	12	SPARE ONLY
S	SPARE ONLY	12	20	17	18	18	18	18	20	12	SPARE ONLY
S	SPARE ONLY	12	20	19	20	20	20	20	20	12	SPARE ONLY
S	SPARE ONLY	12	20	21	22	22	22	22	20	12	SPARE ONLY
S	SPARE ONLY	12	20	23	24	24	24	24	20	12	SPARE ONLY
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S	SPARE ONLY	12	20	37	38	38	38	38	20	12	SPARE ONLY
S	SPARE ONLY	12	20	39	40	40	40	40	20	12	SPARE ONLY
S	SPARE ONLY	12	20	41	42	42	42	42	20	12	SPARE ONLY
SUB-TOTALS											
8.6											



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Optima Engineering

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150 Fayetteville St., Suite 500, Raleigh, NC 27601
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North Carolina License Number: C-0914

SEAL:

- PRELIMINARY -
NOT FOR CONSTRUCTION

09-20-22

Fantasy Harbour Bus
Horry County School s

335 four mile road
conway, sc 29526

REV #	DATE	DESCRIPTION

DATE: XX-XX-2022
PROJECT #: 22-0269
DRAWN BY: hm
DESIGNED BY: zk
CHECKED BY: zk

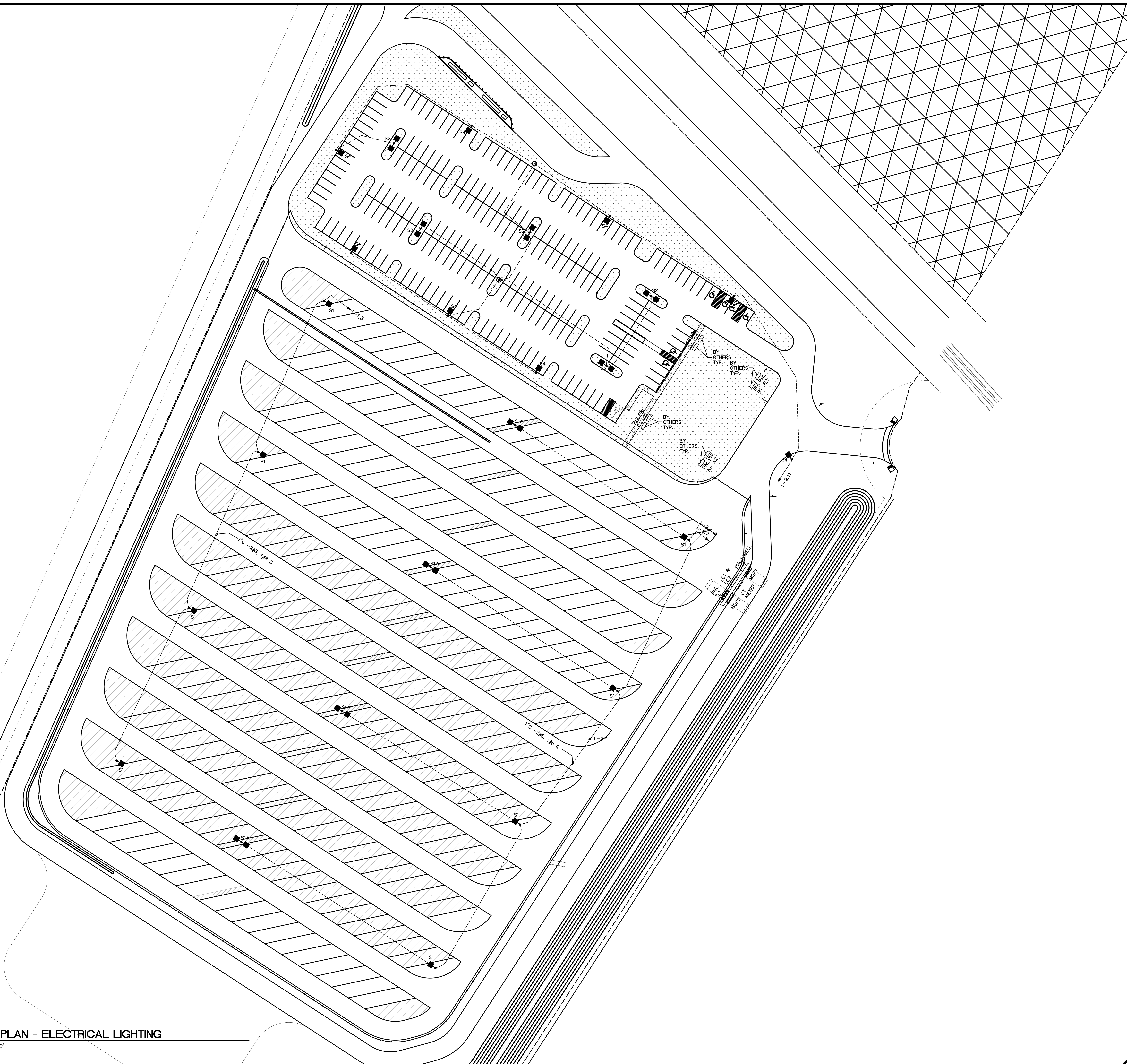
SHEET TITLE:
ELECTRICAL SCHEDULES & RISER

DWG #:
E0.3

SHEET NO: 3 of 5

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1 SITE PLAN - ELECTRICAL LIGHTING
1" = 40'-0"



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09-20-22

Fantasy Harbour Bus Stop
Horry County School s
335 four mile road
conway, sc 29526

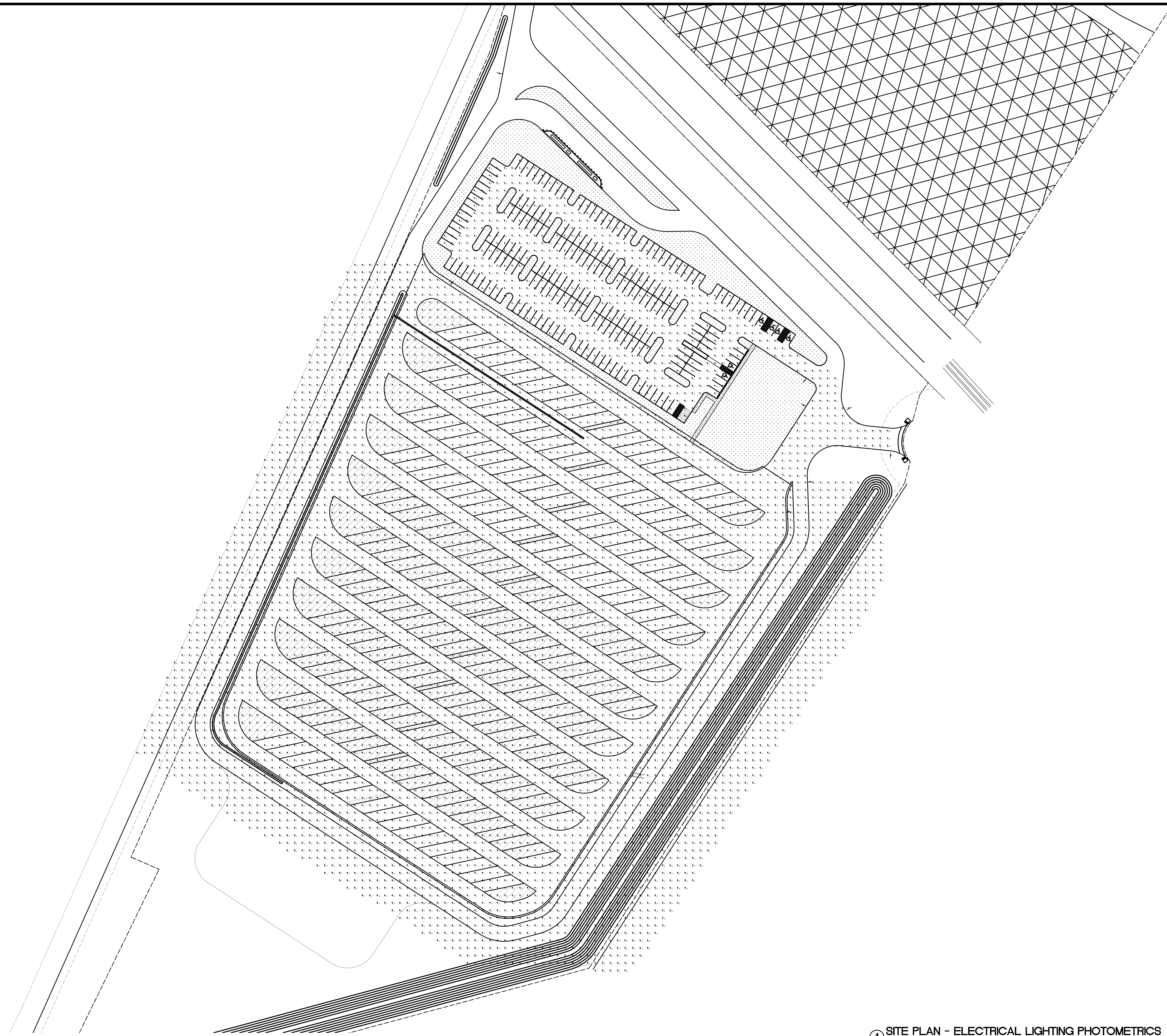
REV #	DATE	DESCRIPTION

DATE: XX-XX-2022
PROJECT #: 22-0269
DRAWN BY: hm
DESIGNED BY: zk
CHECKED BY: zk

SHEET TITLE:
SITE PLAN -
ELECTRICAL

DWG #:
E1.0
SHEET NO: 4 of 5

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1 SITE PLAN - ELECTRICAL LIGHTING PHOTOMETRICS
1" = 50'-0"

Mechanical • Electrical • Plumbing
Fire Protection • Technology Design



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09-20-22

Fantasy Harbour Bus
Horry County School s

335 four mile road
conway, sc 29526

REV #	DATE	DESCRIPTION

DATE: XX-XX-2022
PROJECT #: 22-0269
DRAWN BY: hm
DESIGNED BY: zk
CHECKED BY: zk

SHEET TITLE:
SITE PLAN -
ELECTRICAL
LIGHTING
PHOTOMETRICS

DWG #:
E1.1

SHEET NO: 5 of 5