

5/14/2020 8:29 AM
P:\20120 - HCS - PEE DEE ELEMENTARY\DESIGN\DRAWINGS\20120 COVER NOTES&DETAILS.DWG

PEE DEE ELEMENTARY

FOR

HORRY COUNTY BOARD OF EDUCATION



DEVELOPMENT RESOURCE GROUP, LLC
1101 JOHNSON AVENUE, SUITE 300A
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



PROJECT SUMMARY

SITE LOCATION
6555 HWY 134
HORRY COUNTY, SC

HORIZONTAL DATUM : NAD 83	
VERTICAL DATUM : NAVD 88	
BENCHMARK : SEE SHEET C3.0 (EXISTING CONDITIONS)	
NPDES PERMIT : SCR10Z4XZ	
SCDHEC WATER PERMIT : N/A	
SCDHEC SEWER PERMIT : N/A	
PARCEL PIN #(S) :	371-00-00-0015
CURRENT ZONING :	FA
TOTAL PROJECT AREA =	24.98 ACRES
LAND DISTURBANCE AREA =	10.00 ACRES
PROPOSED USE :	PARENT PICK UP / DROP OFF
THIS PROPERTY IS LOCATED IN FLOOD ZONE "X" AS SCALED FROM F.I.R.M. No. 45051C0500 H, DATED AUGUST 23, 1999, 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.	



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

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COVER SHEET
PEE DEE ELEMENTARY

PREPARED FOR:
HORRY COUNTY SCHOOLS
1160 EAST HIGHWAY 501
CONWAY, SC 29526
843-468-6867

BID SET

JOB NO: 20.120
SCALE: N.T.S.
DRAWN BY: BJW
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 05/14/2020

SHEET NUMBER:

C1.0



Know what's below.
Call before you dig.

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.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR MONITORING AND ENFORCING THE STRICT POLICIES ON HCS PROPERTY CONCERNING THE PROHIBITION OF USING TOBACCO, ALCOHOL AND VAPING.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR MONITORING ALL WORKERS'S ON THE JOBSITE TO ENSURE THAT THEIR APPAREL AND ACTIONS ARE UP TO A STANDARD ACCEPTABLE AROUND STUDENTS.

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.

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.

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

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PREPARED FOR:

HORRY COUNTY SCHOOLS
1160 EAST HIGHWAY 501
CONWAY, SC 29526
843-468-6867

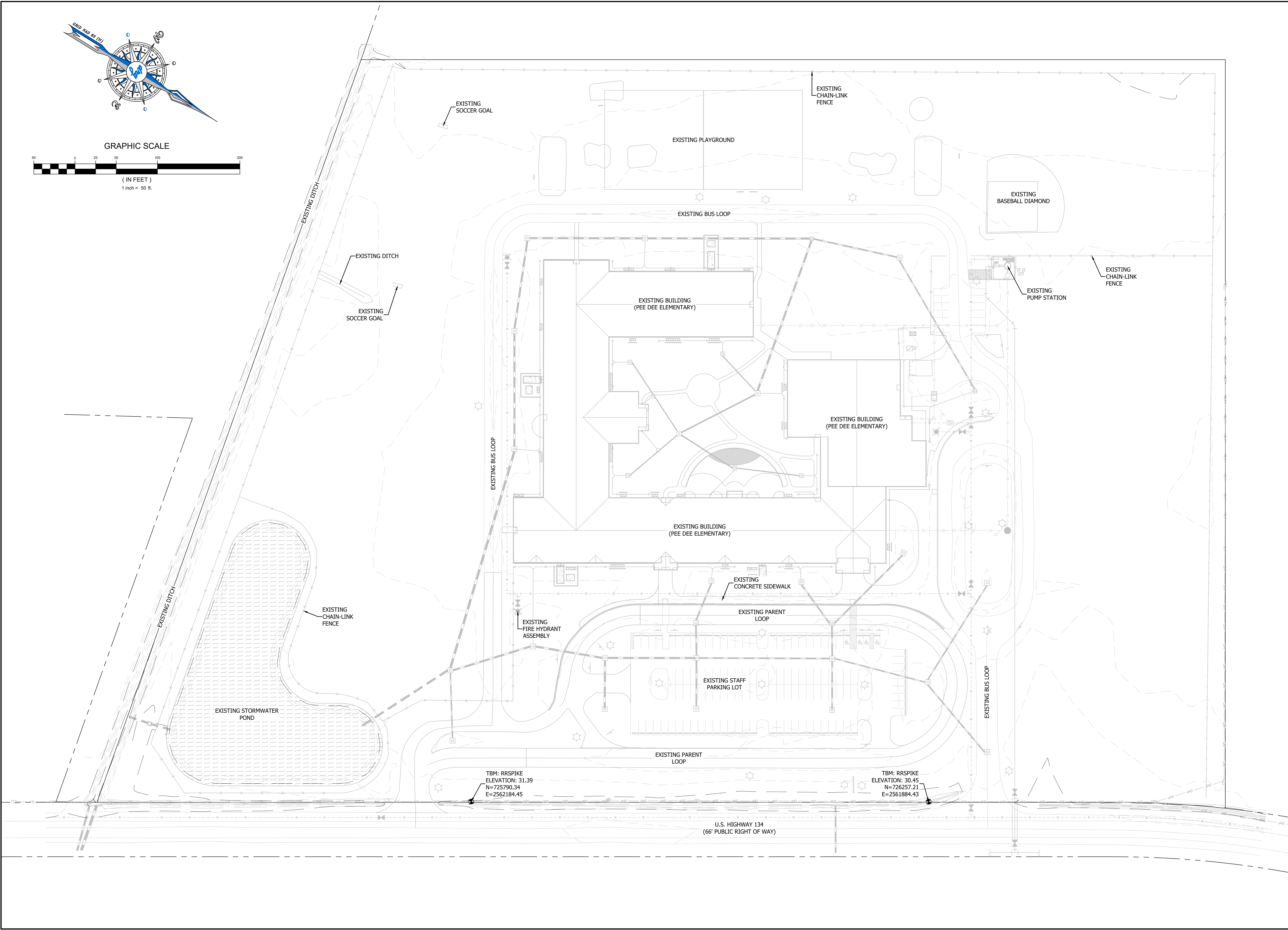
BID SET

JOB NO:	20.120
SCALE:	N.T.S.
DRAWN BY:	BJW
CHECKED BY:	WAG
APPROVED BY:	WAG
DATE:	05/14/2020

SHEET NUMBER:

C2.0

P:20120 - HCS - PEE DEE ELEMENTARYDESIGNDRAWINGSHEET DRAWINGS20.120 EXISTINGCONDITIONS.DWG 5/14/2020 8:30 AM



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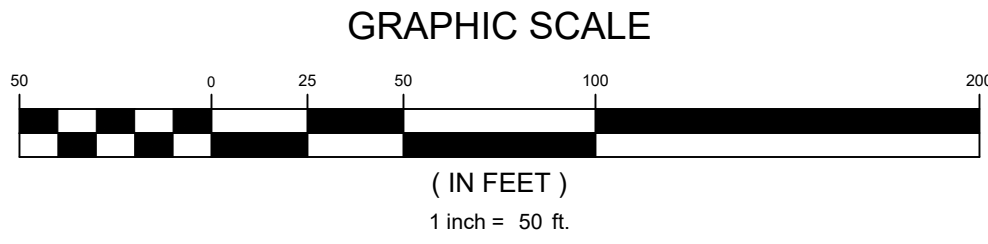
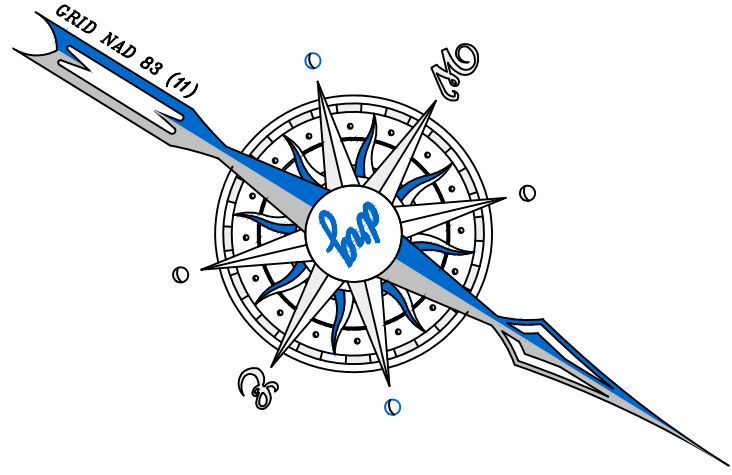
STATE OF SOUTH CAROLINA
DEVELOPMENT
RESOURCE
GROUP, LLC
No. 6089
EXPIRATION
DATE 06/30/2024
OFFICE OF AUTOMATIC
RENEWAL

STATE OF SOUTH CAROLINA
PROFESSIONAL
ENGINEER
Austin Graham
No. 32941
EXPIRATION
DATE 06/30/2024
OFFICE OF AUTOMATIC
RENEWAL

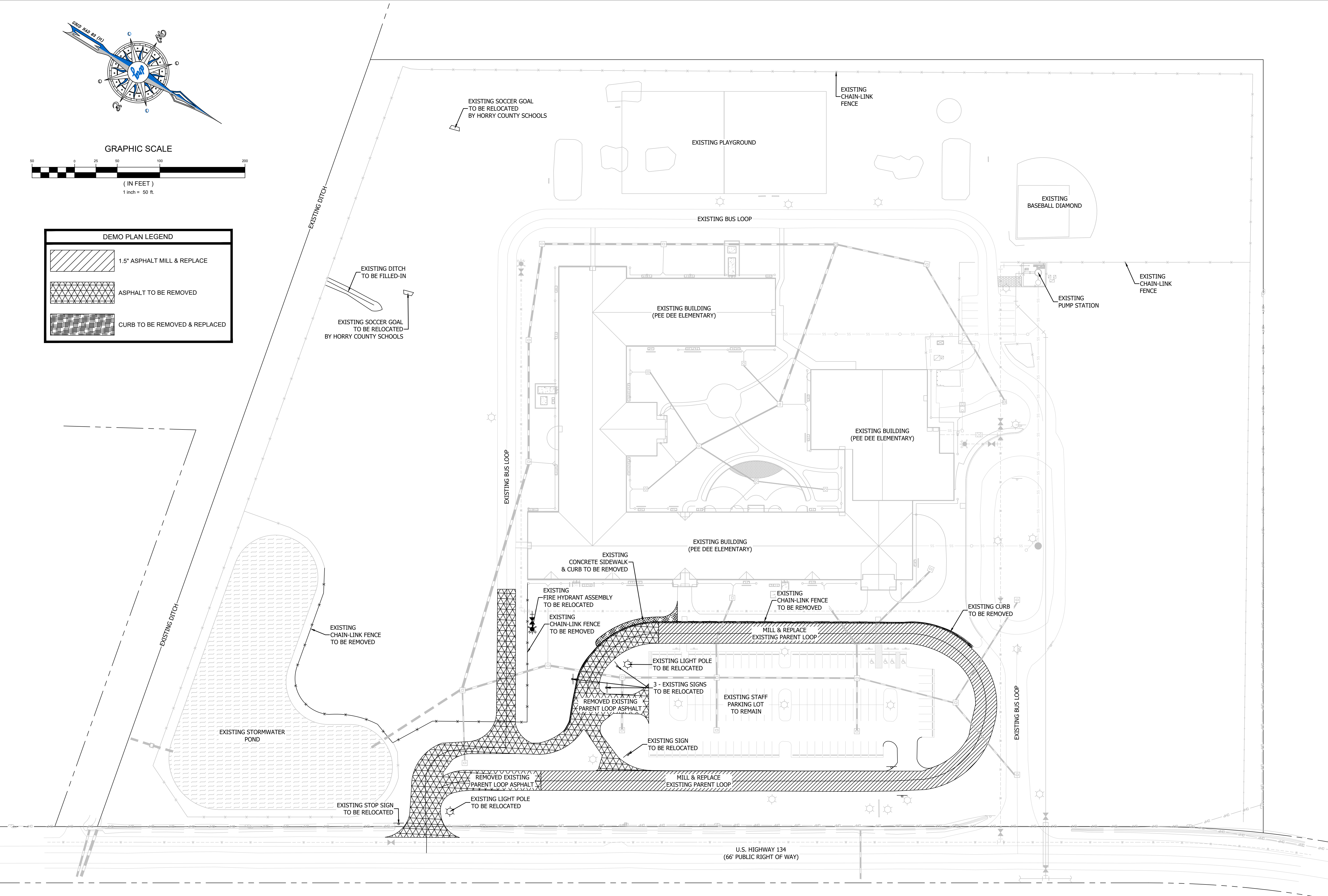
EXISTING CONDITIONS	PREPARED FOR:
PEE DEE ELEMENTARY	HORRY COUNTY SCHOOLS 1160 EAST HIGHWAY 501 CONWAY, SC 29526 843-468-6867
	BID SET

JOB NO:	20.120
SCALE:	1" = 50'
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P:\20120 - HCS - PEE DEE ELEMENTARY\DESIGN\DRAWINGS\20120_120 DEMO PLAN.DWG 5/14/2020 8:30 AM



DEMO PLAN LEGEND	
	1.5" ASPHALT MILL & REPLACE
	ASPHALT TO BE REMOVED
	CURB TO BE REMOVED & REPLACED



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DEMO PLAN

PEE DEE ELEMENTARY

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1160 EAST HIGHWAY 501
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C4.0

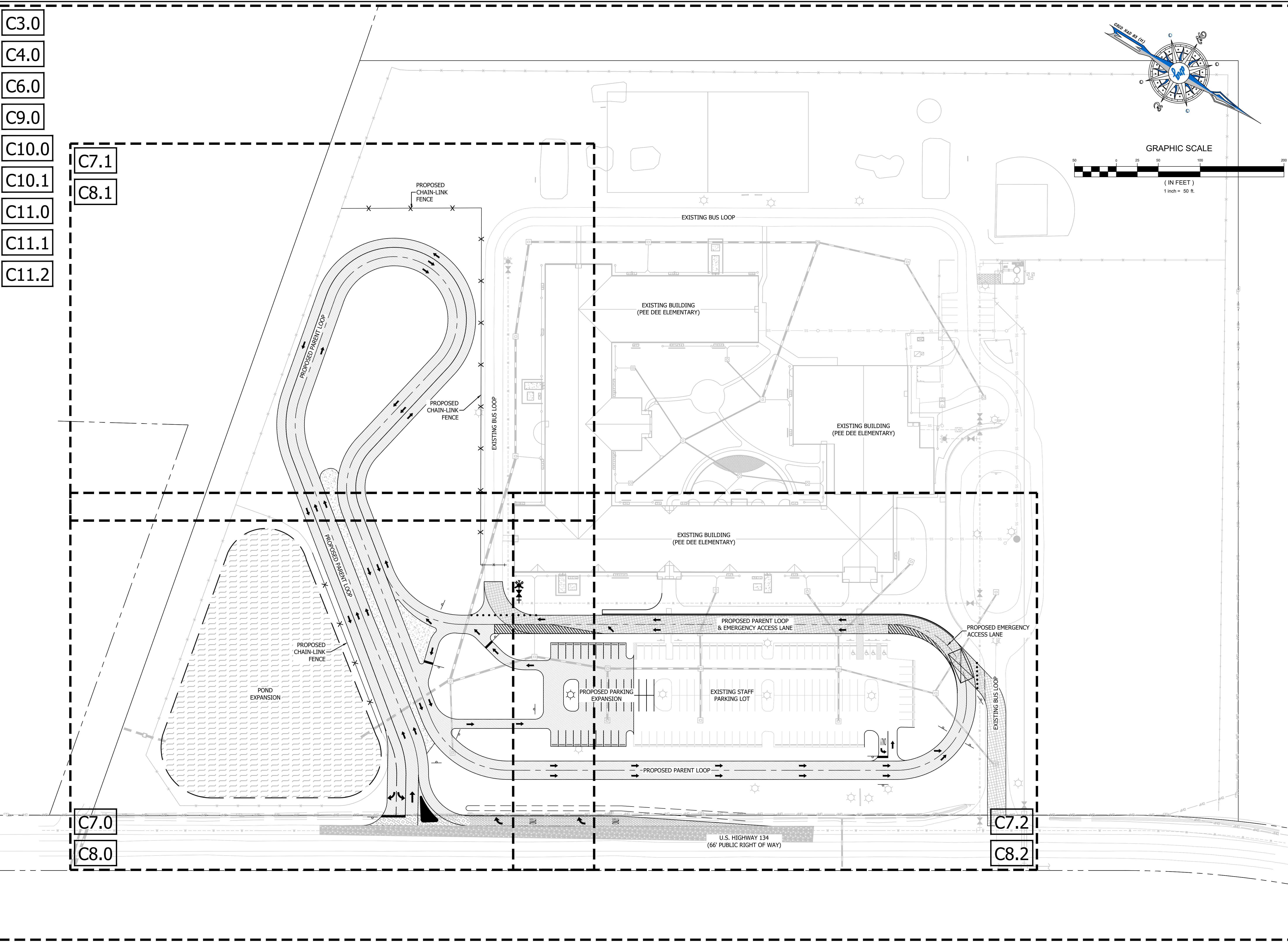
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- C11.2

- C7.1
- C8.1

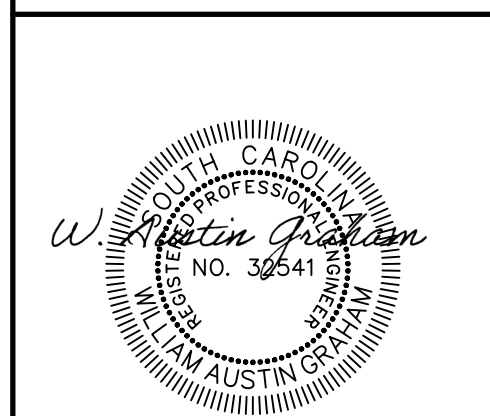
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- C7.2
- C8.2



drg

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OVERALL & KEY PLAN

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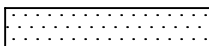
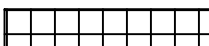

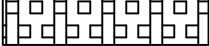

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C5.0

5/14/2020 8:30 AM

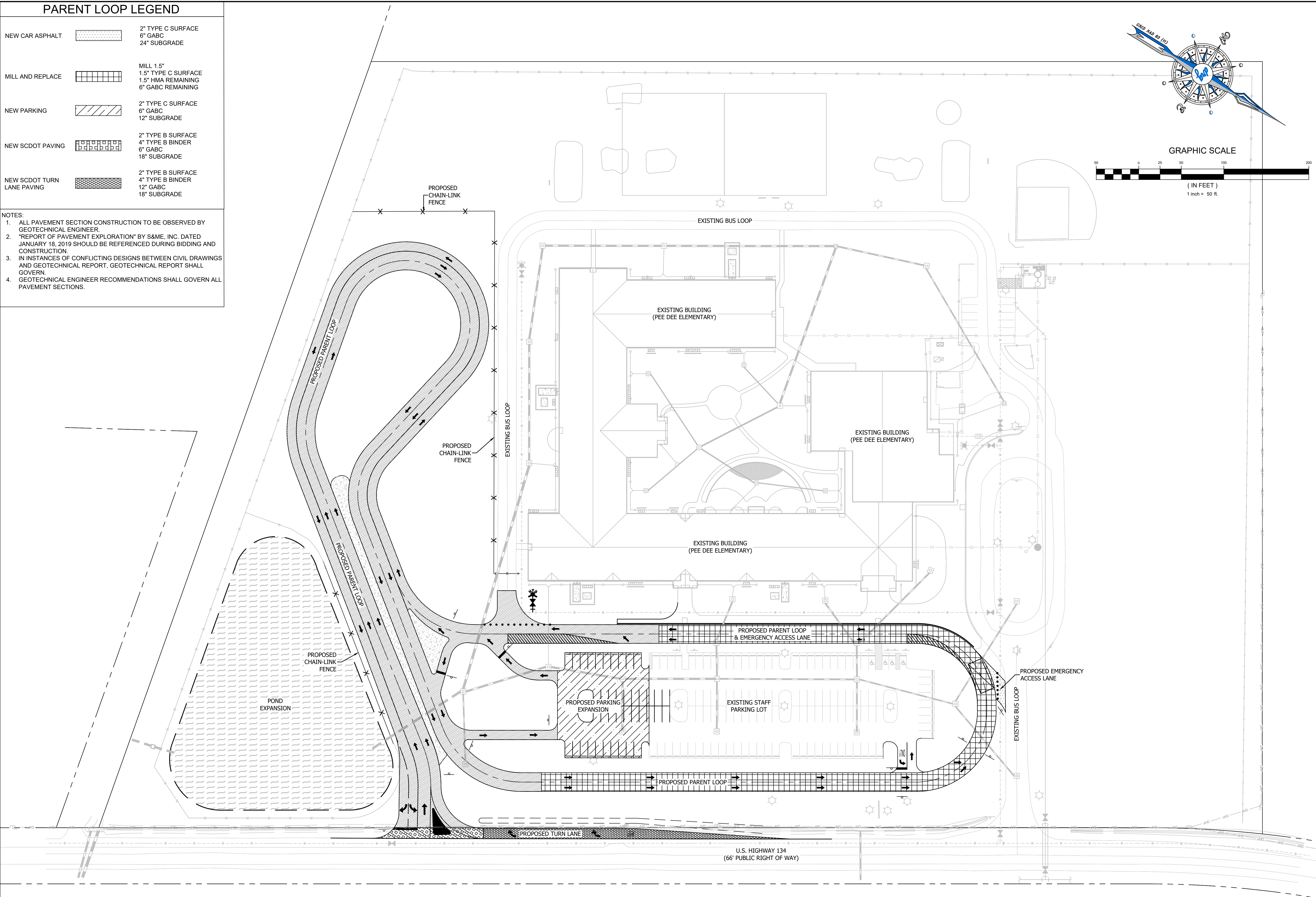
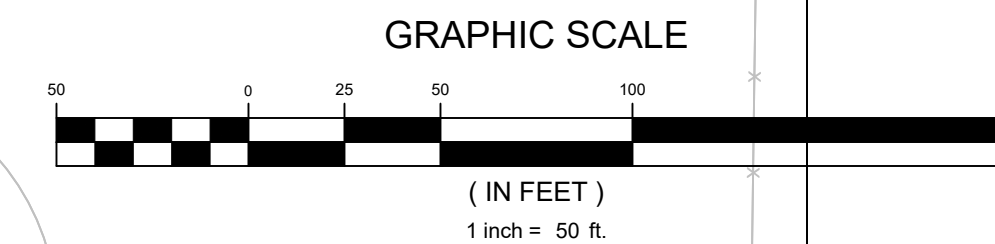
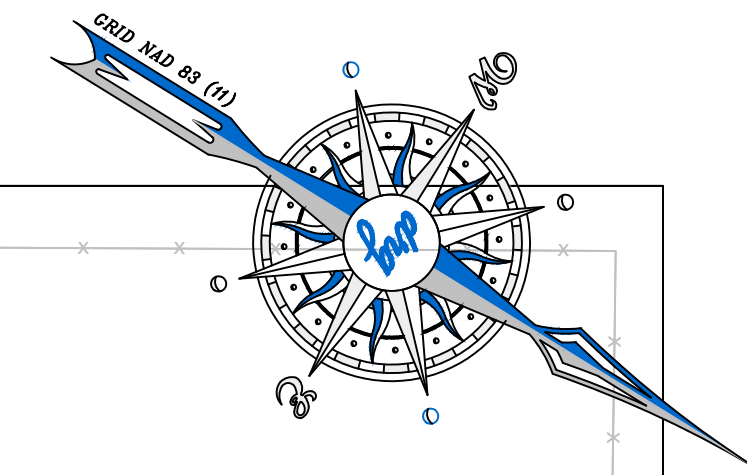
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PARENT LOOP LEGEND

NEW CAR ASPHALT		2" TYPE C SURFACE 6" GABC 24" SUBGRADE
MILL AND REPLACE		MILL 1.5" 1.5" TYPE C SURFACE 1.5" HMA REMAINING 6" GABC REMAINING
NEW PARKING		2" TYPE C SURFACE 6" GABC 12" SUBGRADE
NEW SCDOT PAVING		2" TYPE B SURFACE 4" TYPE B BINDER 6" GABC 18" SUBGRADE
NEW SCDOT TURN LANE PAVING		2" TYPE B SURFACE 4" TYPE B BINDER 12" GABC 18" SUBGRADE

NOTES:

1. ALL PAVEMENT SECTION CONSTRUCTION TO BE OBSERVED BY GEOTECHNICAL ENGINEER.
2. "REPORT OF PAVEMENT EXPLORATION" BY S&M, INC. DATED JANUARY 18, 2019 SHOULD BE REFERENCED DURING BIDDING AND CONSTRUCTION.
3. IN INSTANCES OF CONFLICTING DESIGNS BETWEEN CIVIL DRAWINGS AND GEOTECHNICAL REPORT, GEOTECHNICAL REPORT SHALL GOVERN.
4. GEOTECHNICAL ENGINEER RECOMMENDATIONS SHALL GOVERN ALL PAVEMENT SECTIONS.



DEVELOPMENT RESOURCE GROUP, LLC
1101 JOHNSON AVENUE, SUITE 300A
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



PAVEMENT REMOVAL & REHABILITATION PLAN

PEE DEE ELEMENTARY

PREPARED FOR:

HORRY COUNTY SCHOOLS
1160 EAST HIGHWAY 501
CONWAY, SC 29526
843-468-6967

BID SET

JOB NO: 20.120

SCALE: 1" = 50'

DRAWN BY: BJW

CHECKED BY: WAG

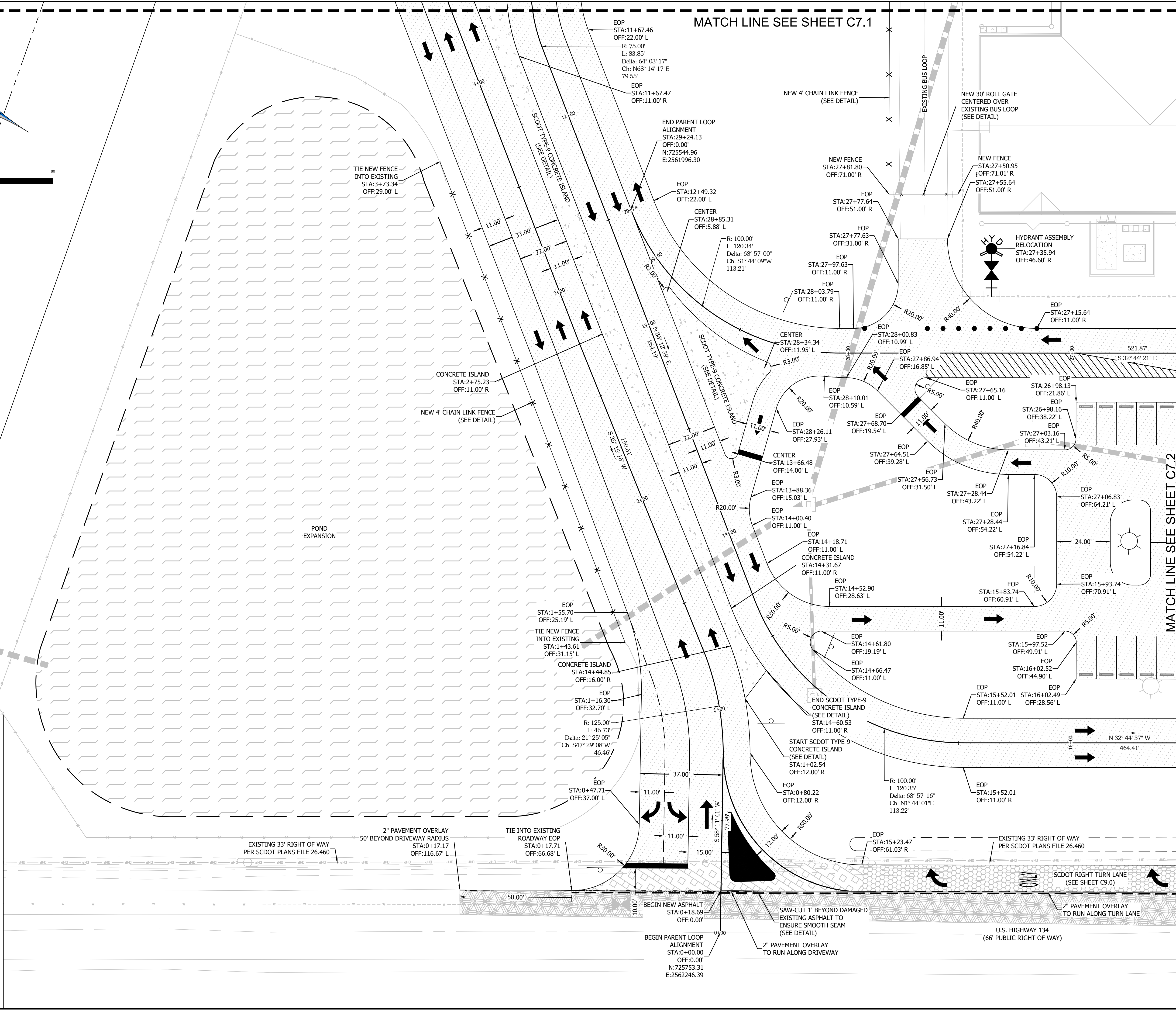
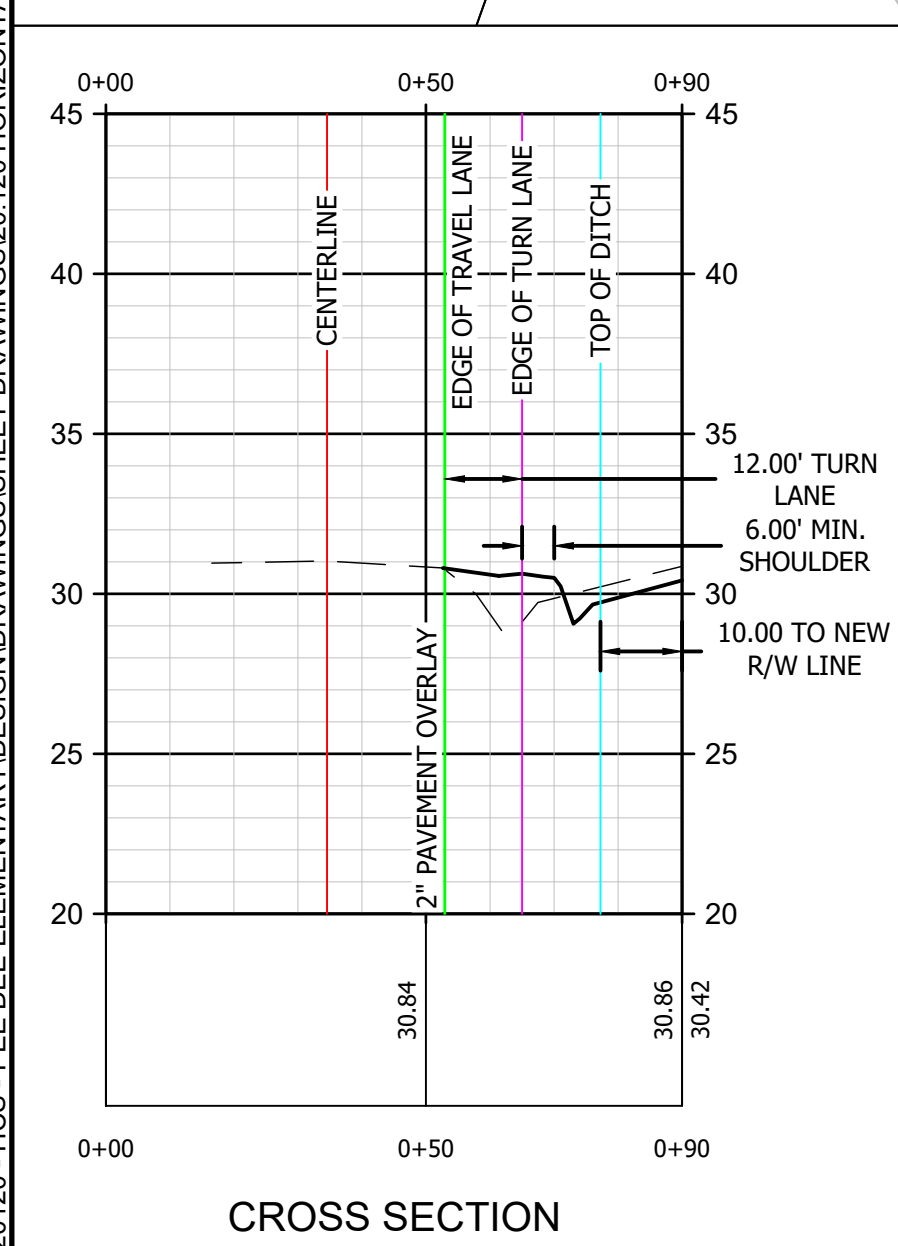
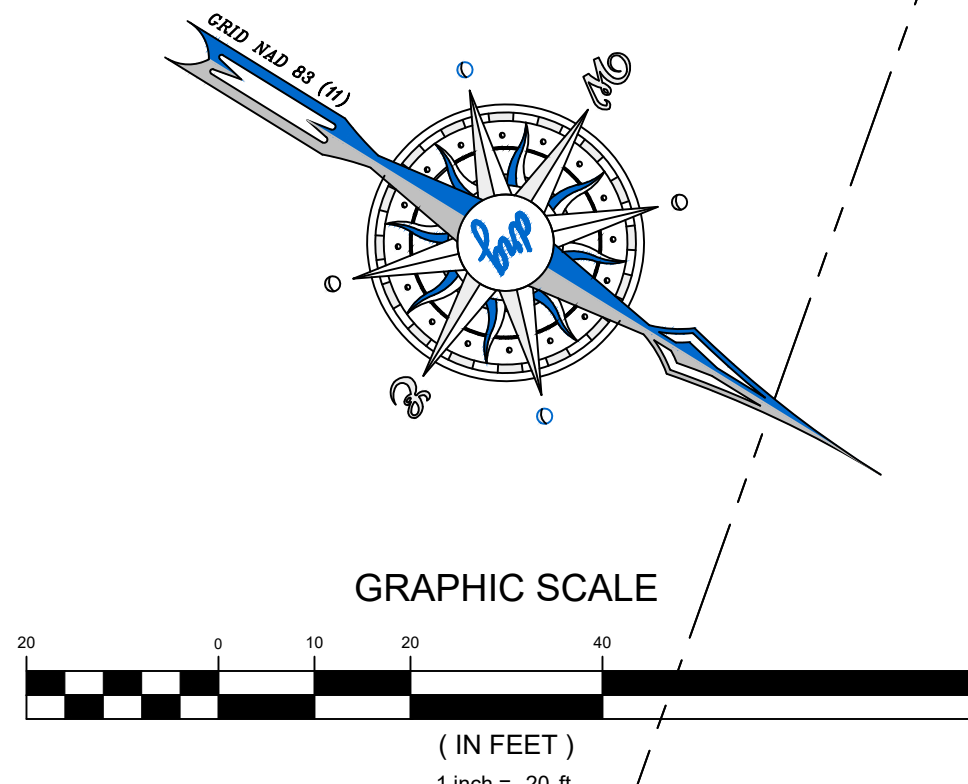
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DATE: 05/14/2020

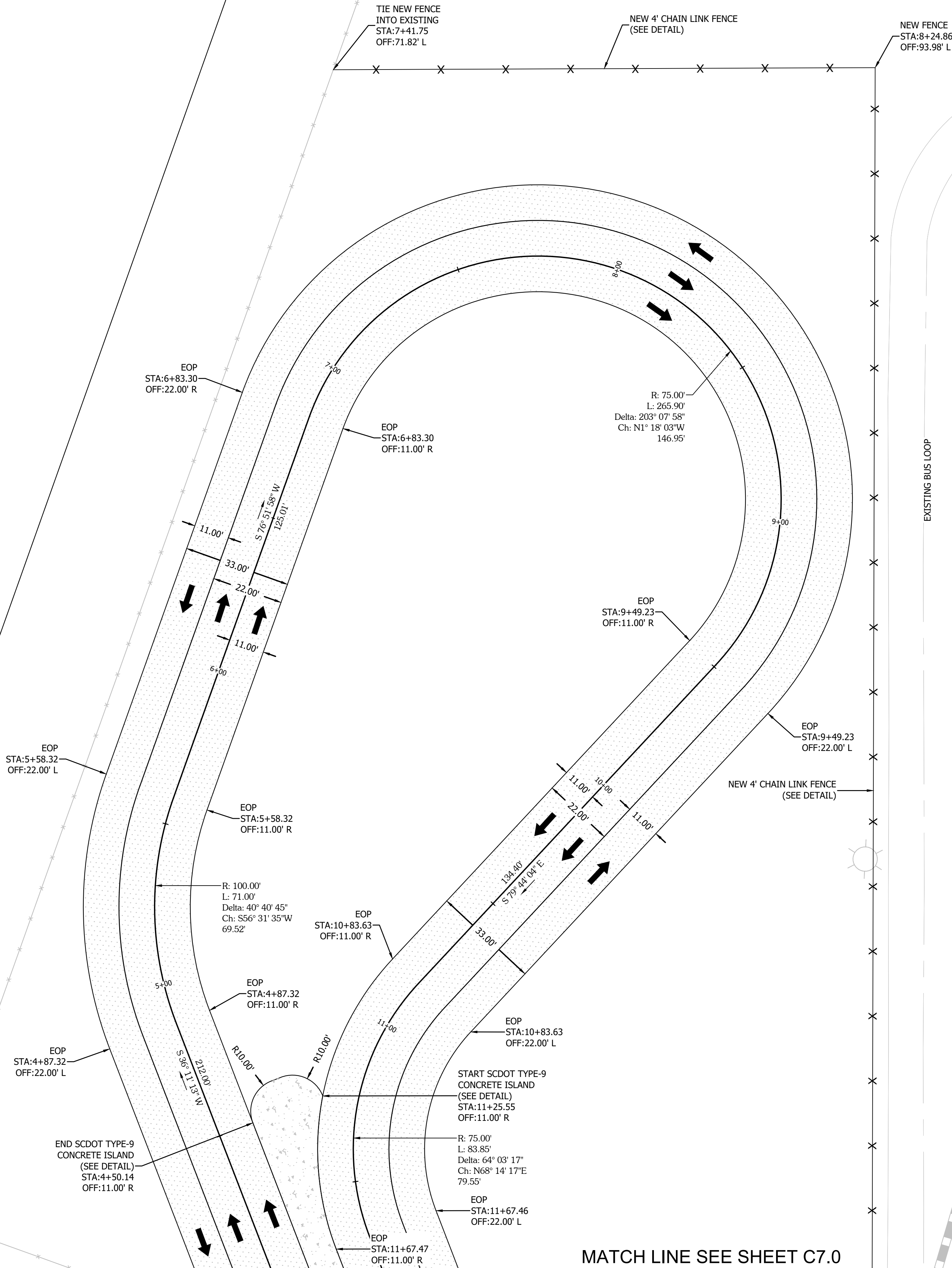
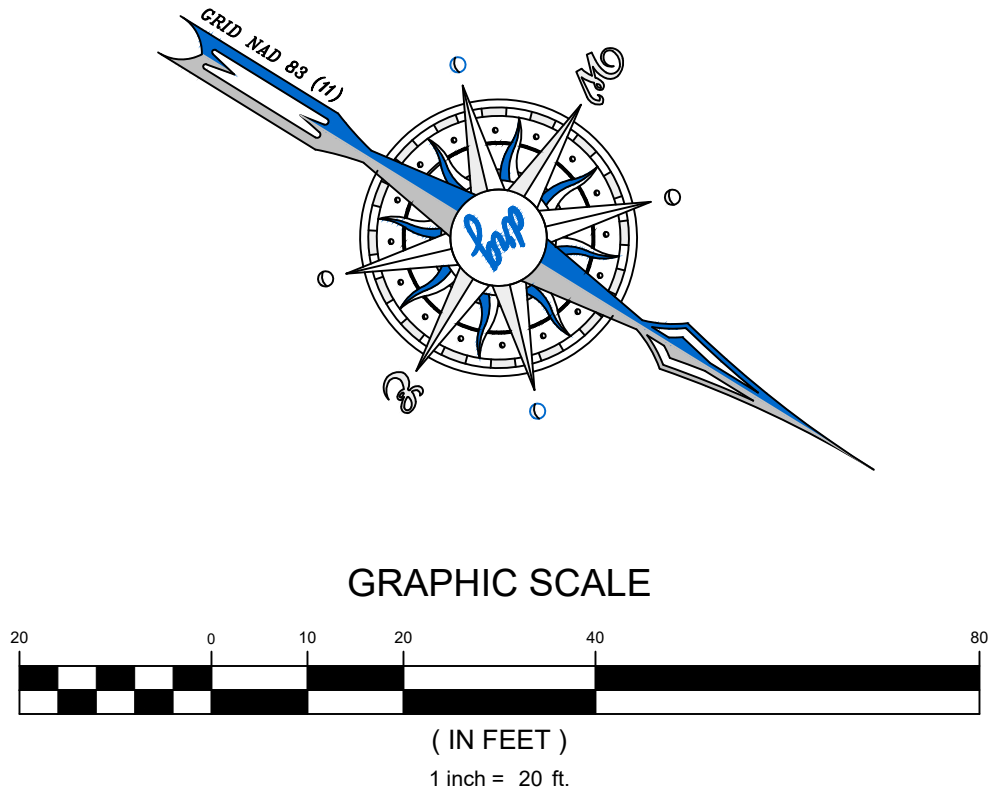
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C6.0

P:20120 - HCS - PEE DEE ELEMENTARY DESIGN SHEET DRAWINGS 20120.120 HORIZONTAL CONTROL PLAN.DWG 5/14/2020 8:30 AM



P:20120 - HCS - PEE DEE ELEMENTARYDESIGNSHEET DRAWINGS20120 HORIZONTALCONTROLPLAN.DWG 5/14/2020 8:30 AM



DEVELOPMENT RESOURCE GROUP, LLC
1101 JOHNSON AVENUE, SUITE 300A
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



HORIZONTAL CONTROL PLAN - 2
PEE DEE ELEMENTARY

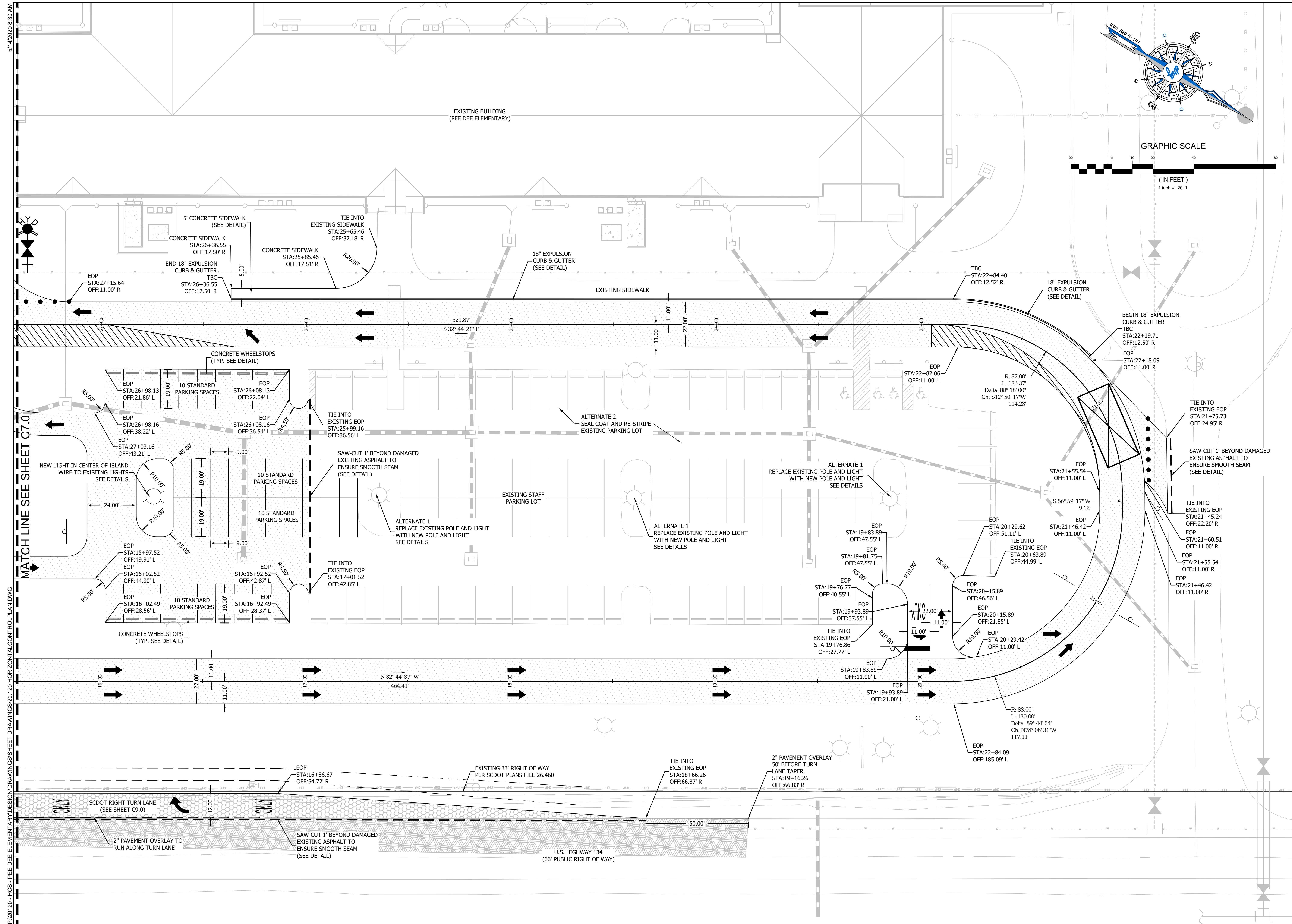
PREPARED FOR:
Horry County Schools
1160 East Highway 501
Conway, SC 29526
843-468-6867

BID SET

JOB NO: 20.120
SCALE: 1" = 20'
DRAWN BY: BJW
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 05/14/2020

SHEET NUMBER:

C7.1



DEVELOPMENT RESOURCE GROUP, LLC
1101 JOHNSON AVENUE, SUITE 300A
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



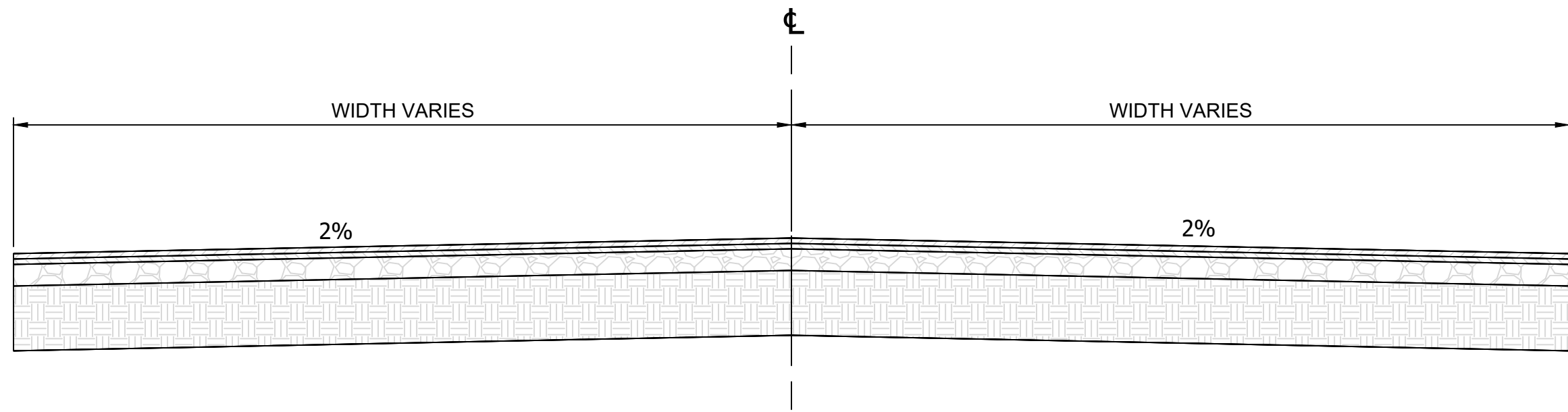
HORIZONTAL CONTROL PLAN - 3
PEE DEE ELEMENTARY
PREPARED FOR:

PREPARED FOR:
HORRY COUNTY SCHOOLS
1160 EAST HIGHWAY 501
CONWAY, SC 29526
843-488-6967

BID SET

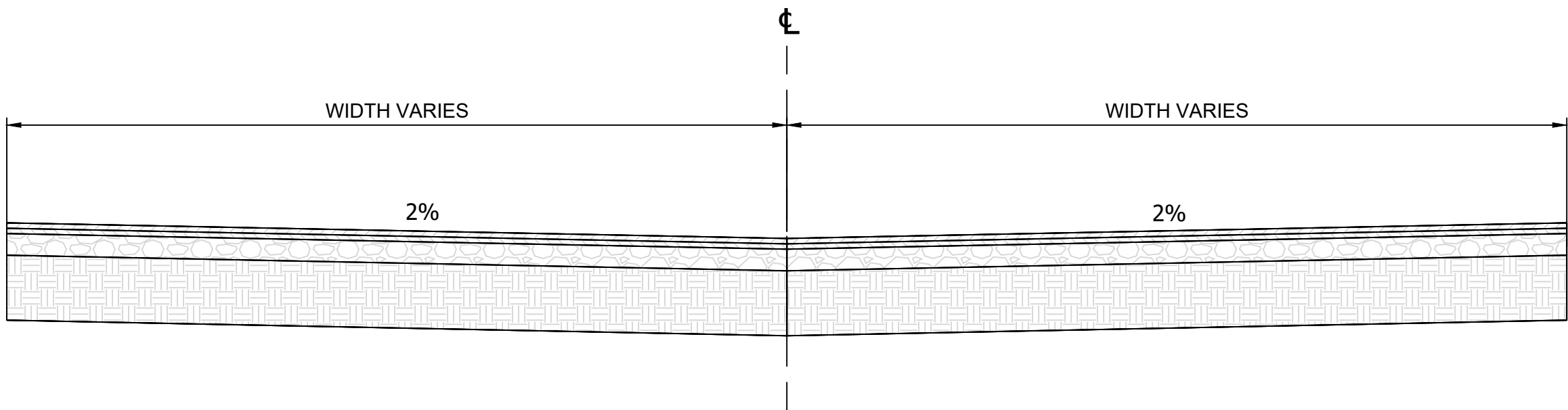
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DATE:	05/14/2020

C7.2



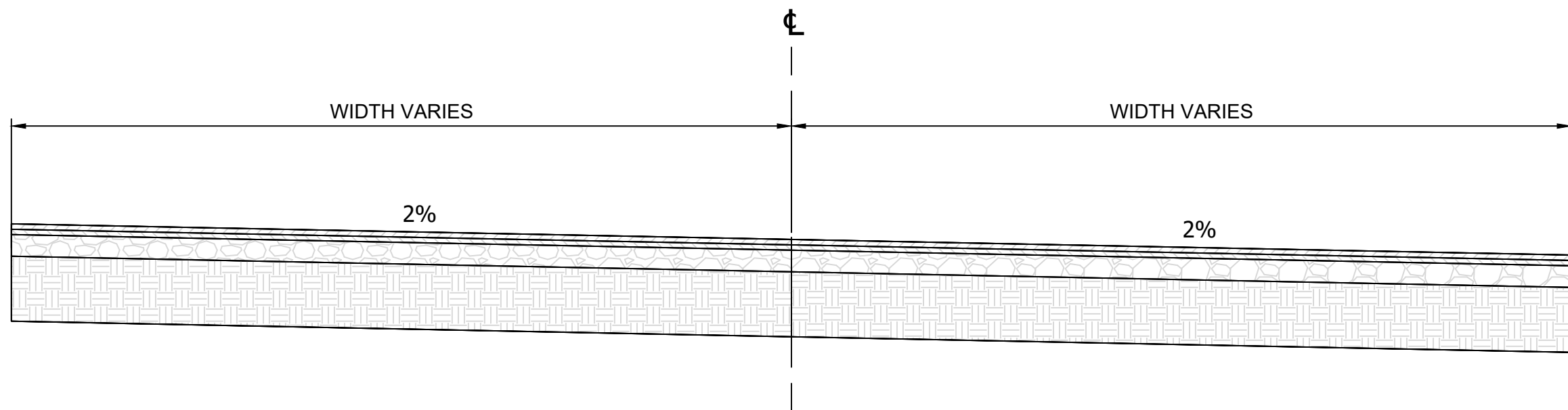
CENTRAL CROWN PAVEMENT SECTION

N.T.S.
WIDTH VARIES SEE HORIZONTAL CONTROL SHEETS
PAVEMENT SECTIONS VARY SEE C4.0, C6.0, AND GEOTECHNICAL REPORT
STA 0+18.50 - 1+8.50
STA 15+31.00 - 20+16.00



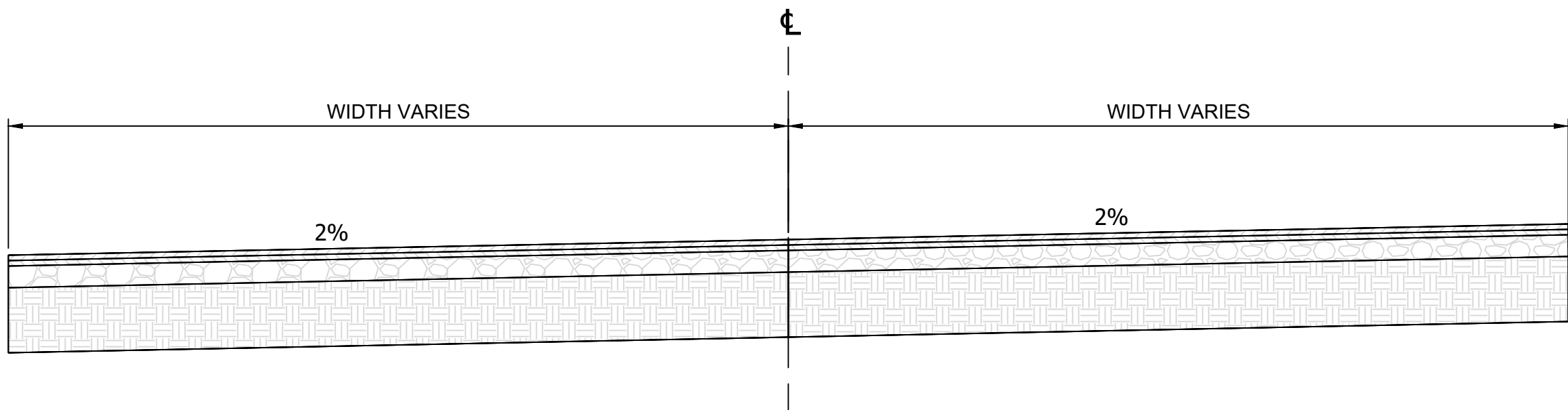
INVERTED CROWN PAVEMENT SECTION

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WIDTH VARIES SEE HORIZONTAL CONTROL SHEETS
PAVEMENT SECTIONS VARY SEE C4.0, C6.0, AND GEOTECHNICAL REPORT
STA 14+61.00 - 15+31.00



RIGHT SLOPE PAVEMENT SECTION

N.T.S.
WIDTH VARIES SEE HORIZONTAL CONTROL SHEETS
PAVEMENT SECTIONS VARY SEE C4.0, C6.0, AND GEOTECHNICAL REPORT
STA 4+52.50 - 11+27.00
STA 27+87.00 - 28+85.00

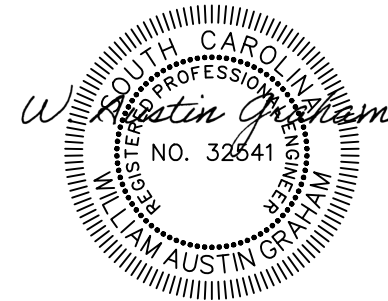


LEFT SLOPE PAVEMENT SECTION

N.T.S.
WIDTH VARIES SEE HORIZONTAL CONTROL SHEETS
PAVEMENT SECTIONS VARY SEE C4.0, C6.0, AND GEOTECHNICAL REPORT
SEE PLANS FOR MEDIAN TYPE AND LOCATION
STA 1+8.50 - 4+52.50
STA 11+27.00 - 14+61.00
STA 20+16.00 - 27+87.00



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TYPICAL SECTIONS
PEE DEE ELEMENTARY

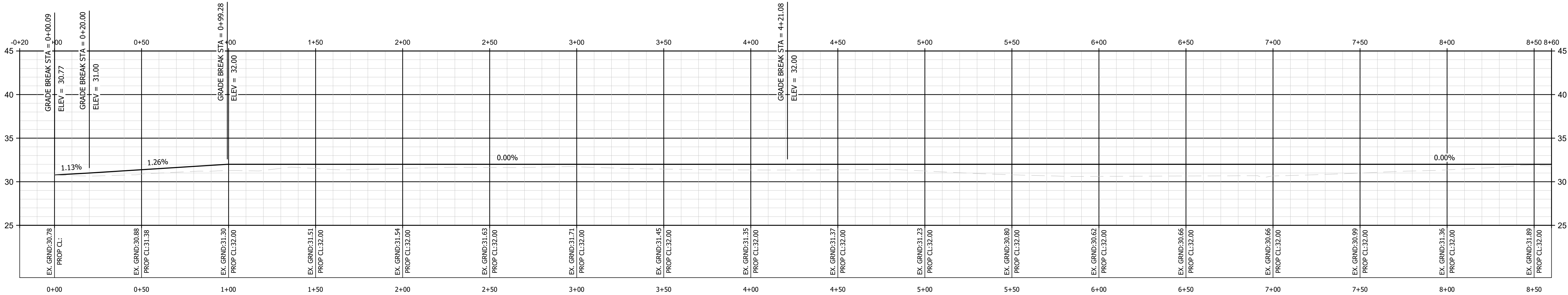
PREPARED FOR:
Horry County Schools
1160 East Highway 501
Conway, SC 29526
843-468-6867

BID SET

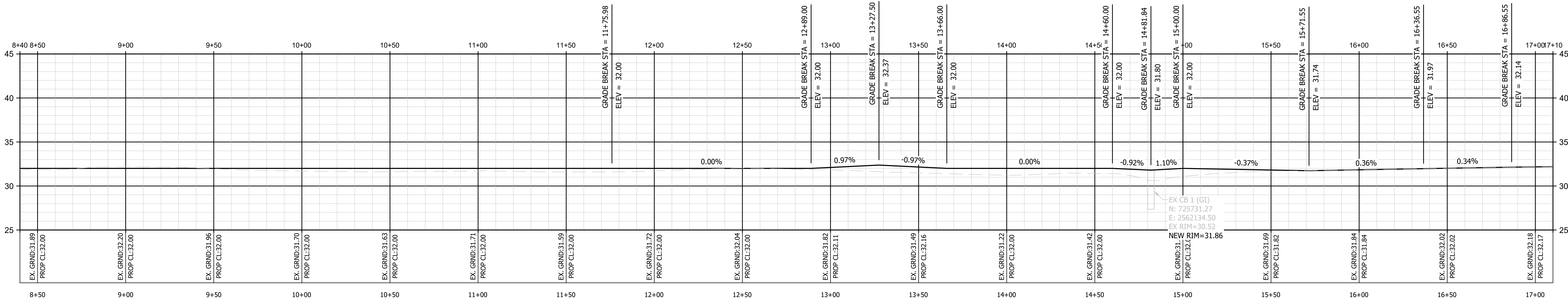
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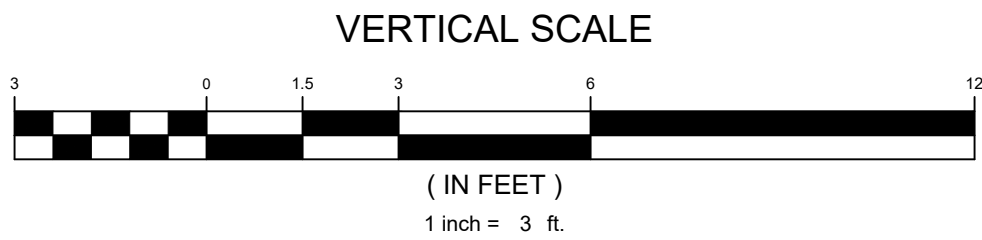
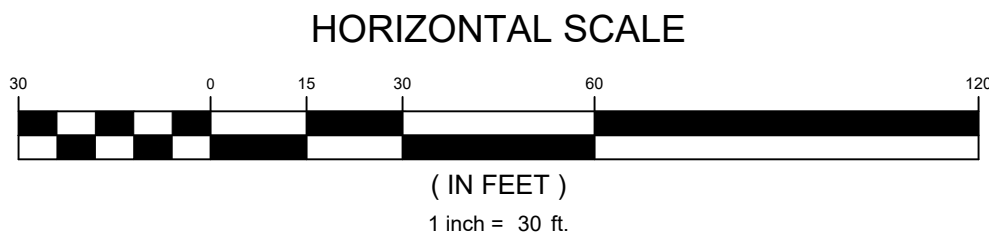
C7.3



PEE DEE ELEMENTARY - 1



PEE DEE ELEMENTARY - 2



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PARENT LOOP PROFILES - 1

PEE DEE ELEMENTARY

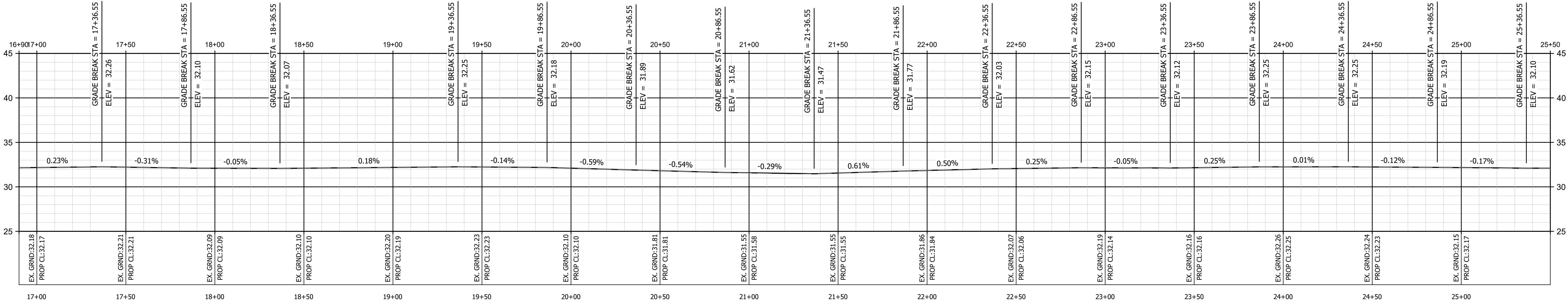
PREPARED FOR:
HORRY COUNTY SCHOOLS
1160 EAST HIGHWAY 501
CONWAY, SC 29526
843-468-6867

BID SET

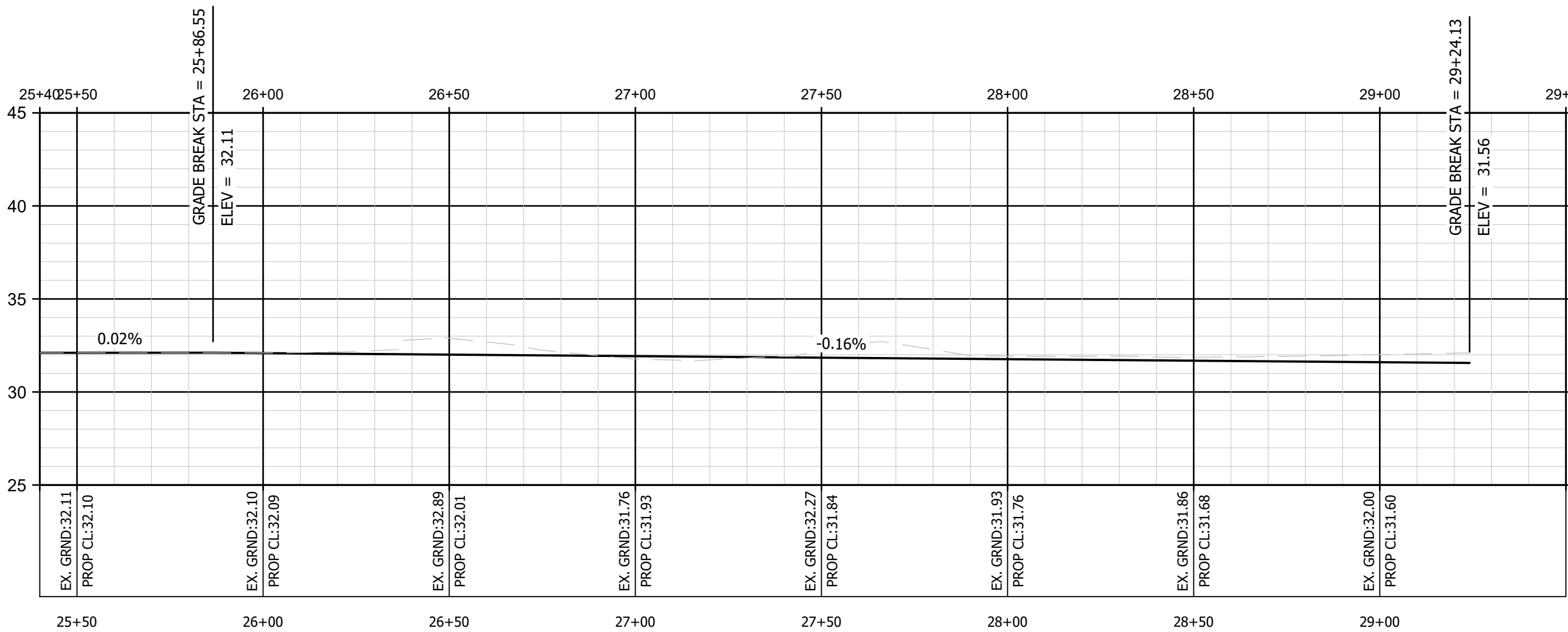
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SCALE: VT:1" = 3', HT:1" = 30'
DRAWN BY: BJW
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 05/14/2020

SHEET NUMBER:

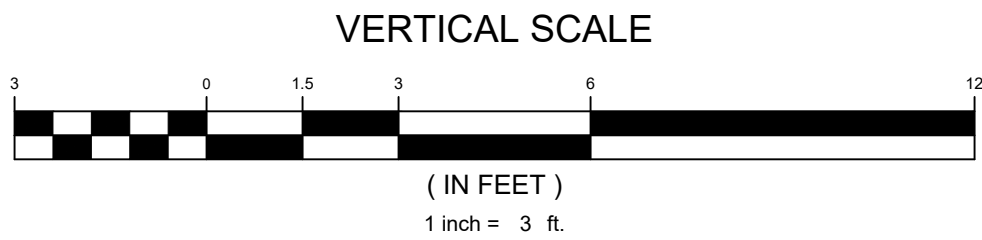
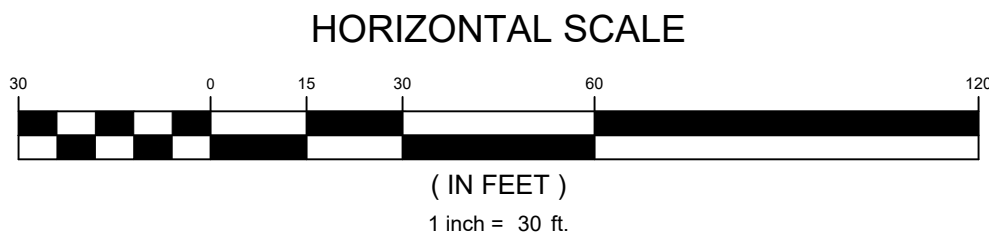
C7.4



PEE DEE ELEMENTARY - 3



PEE DEE ELEMENTARY - 4



DEVELOPMENT RESOURCE GROUP, LLC
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PARENT LOOP PROFILES - 2

PEE DEE ELEMENTARY

PREPARED FOR:
HORRY COUNTY SCHOOLS
1160 EAST HIGHWAY 501
CONWAY, SC 29526
843-468-6867

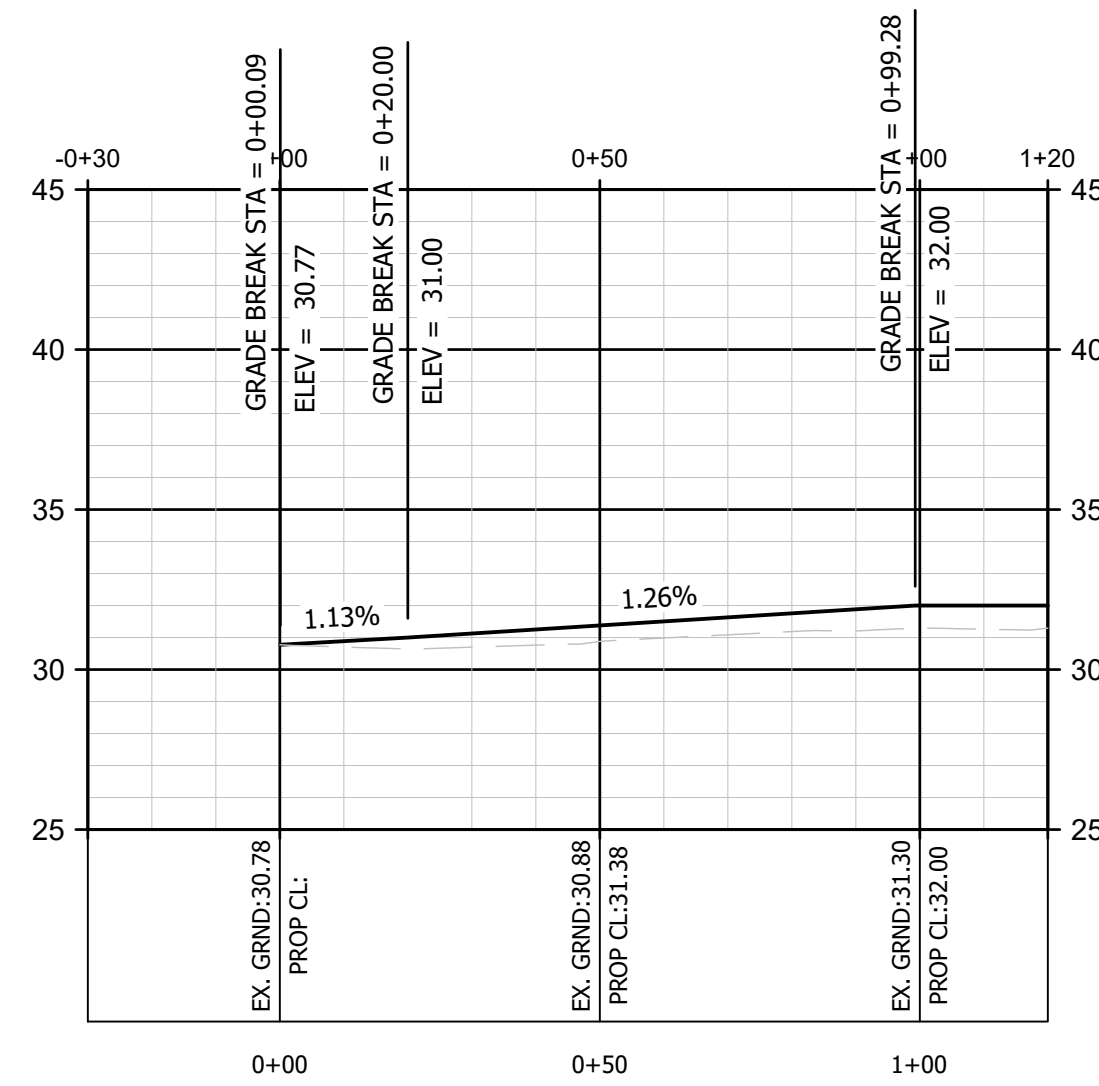
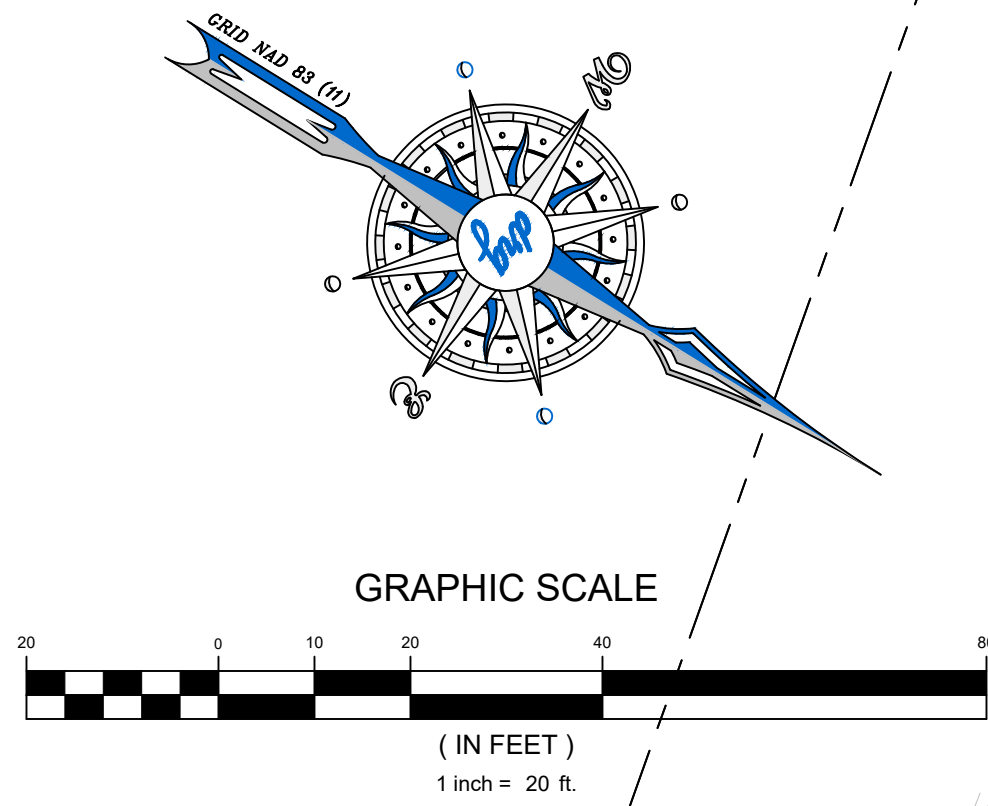
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DATE: 05/14/2020

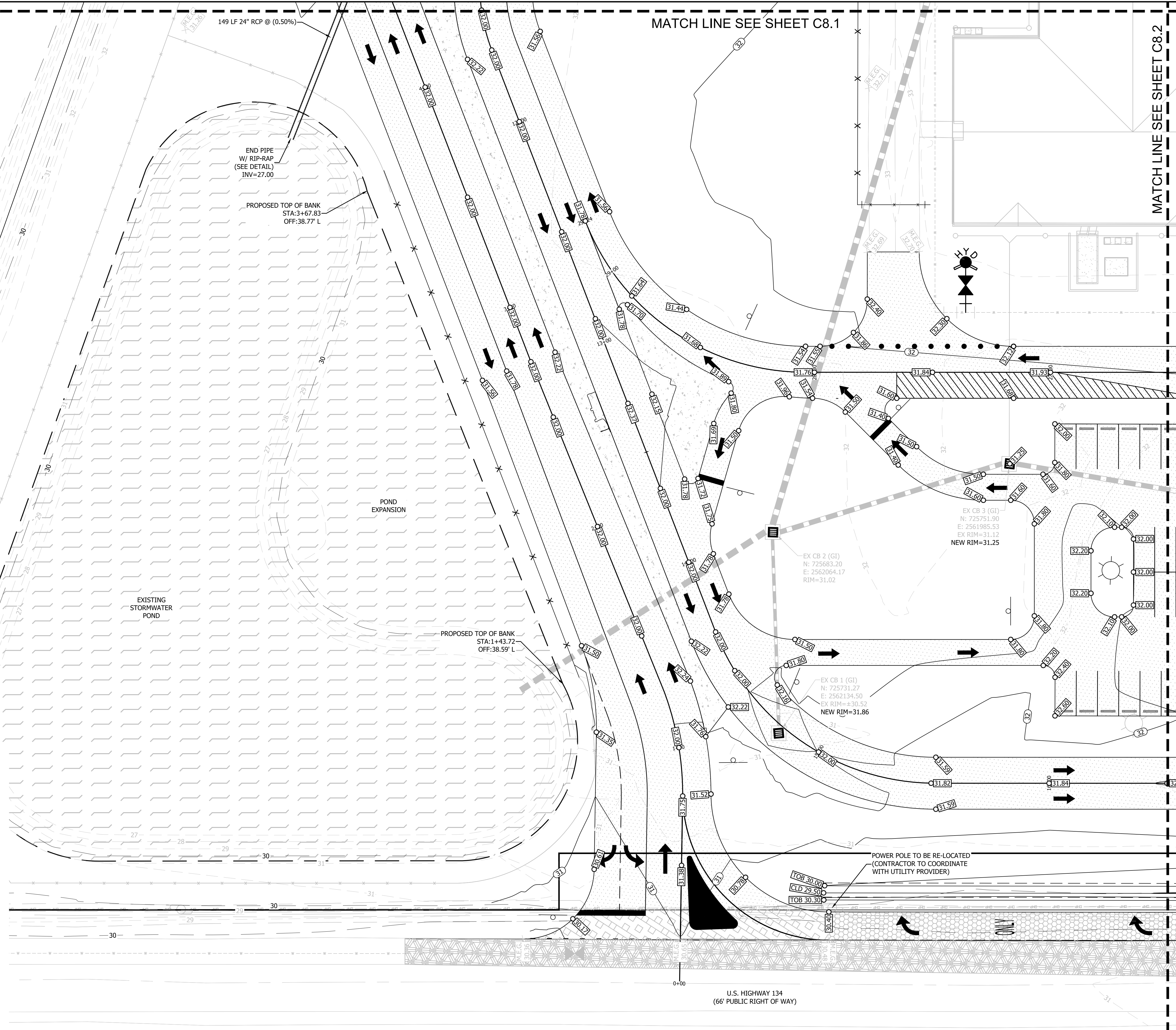
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P:20120 - HCS - PEE DEE ELEMENTARYDESIGNDRAWINGSHEET DRAWINGS20 120 GRADING&DRAINAGEPLAN (NEW).DWG 5/14/2020 8:31 AM



SCDOT DRIVEWAY PROFILE



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STATE OF SOUTH CAROLINA
DEVELOPMENT
RESOURCE
GROUP, LLC
No. 6088
EXPIRATION
DATE 06/30/2024

STATE OF SOUTH CAROLINA
PROFESSIONAL
ENGINEER
No. 35541
AUSTIN G. GRIFFIN
MYRTLE BEACH, SOUTH CAROLINA

GRADING & DRAINAGE PLAN - 1

PEE DEE ELEMENTARY

BID SET

JOB NO: 20.120

SCALE: 1" = 20'

DRAWN BY: BJW

CHECKED BY: WAG

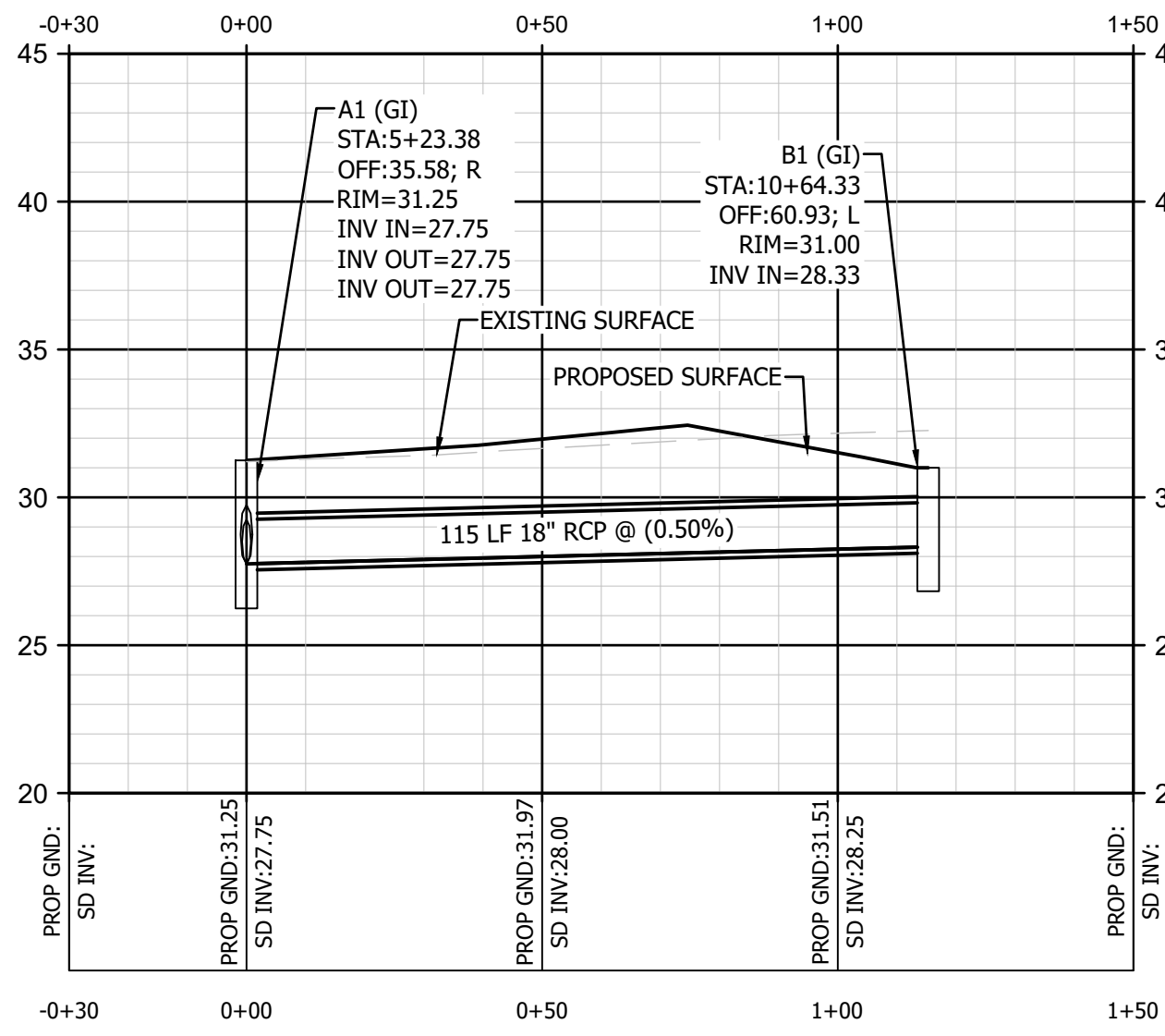
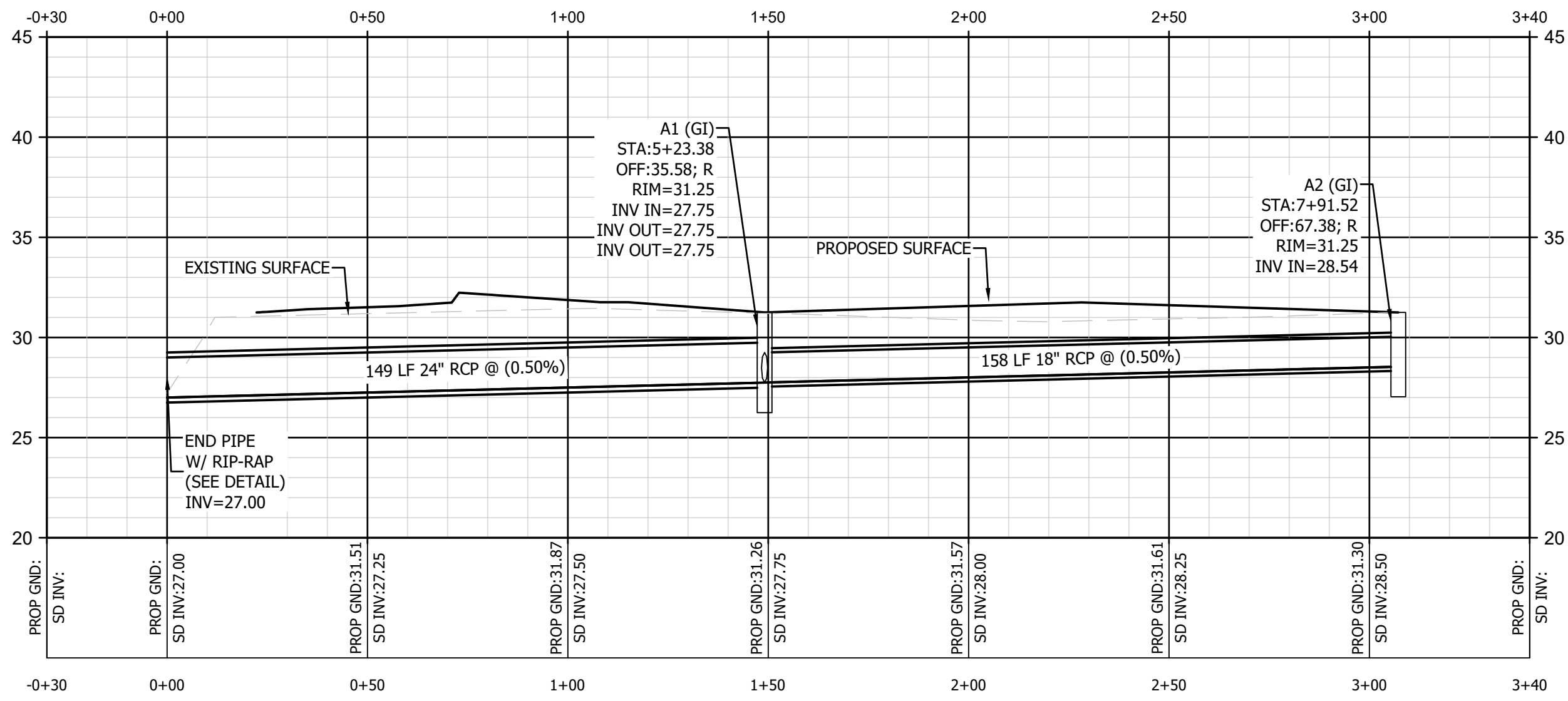
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DATE: 05/14/2020

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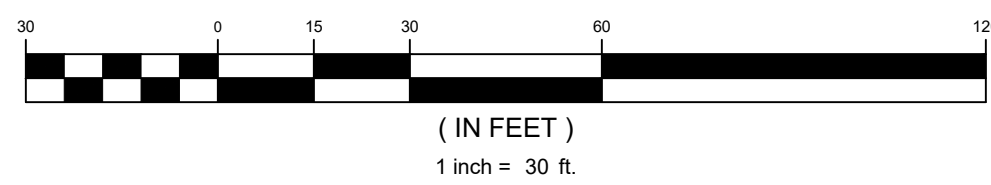
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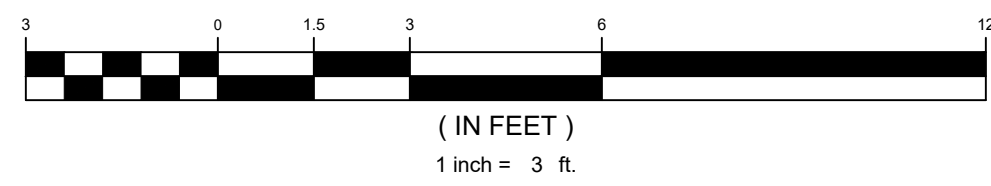


DRAINAGE B

HORIZONTAL SCALE



VERTICAL SCALE



A1 (GI)
STA: 5+23.38
OFF: 35.58; R
RIM=31.25
INV IN=27.75
INV OUT=27.75

149 LF 24" RCP @ (0.50%)

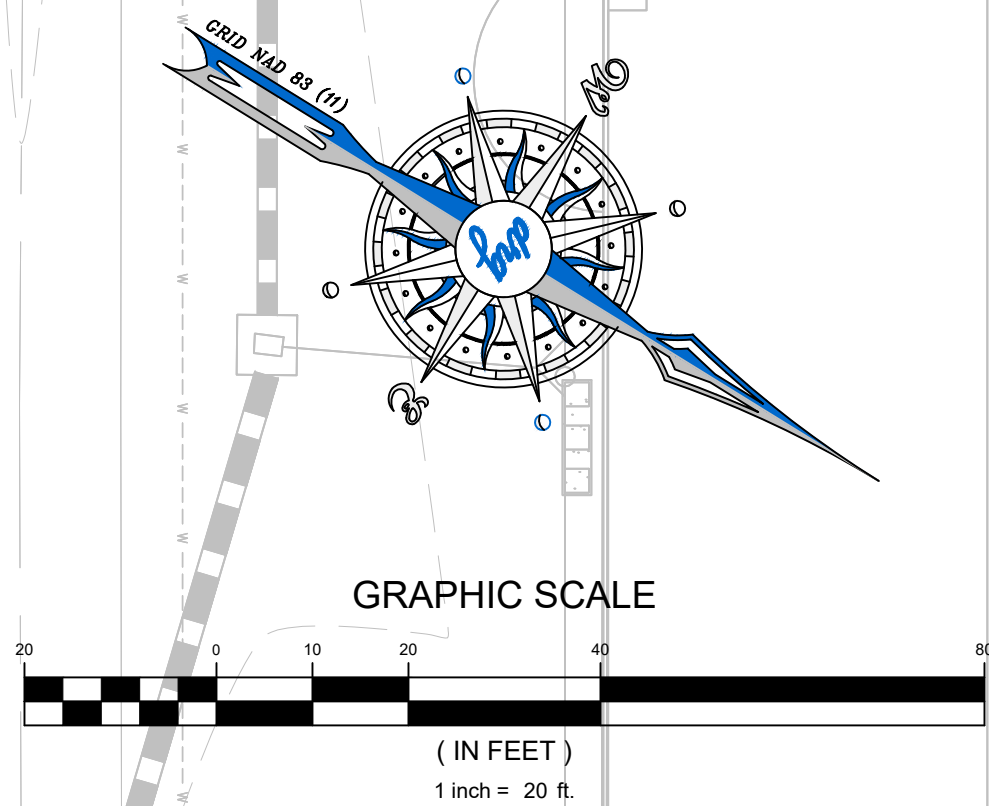
A2 (GI)
STA: 7+91.52
OFF: 67.38; R
RIM=31.25
INV IN=28.54

158 LF 18" RCP @ (0.50%)

B1 (GI)
STA: 10+64.33
OFF: 60.93; L
RIM=31.00
INV IN=28.33

115 LF 18" RCP @ (0.50%)

MATCH LINE SEE SHEET C8.0



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MYRTLE BEACH, SC 29577
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GRADING & DRAINAGE PLAN - 2

PEE DEE ELEMENTARY

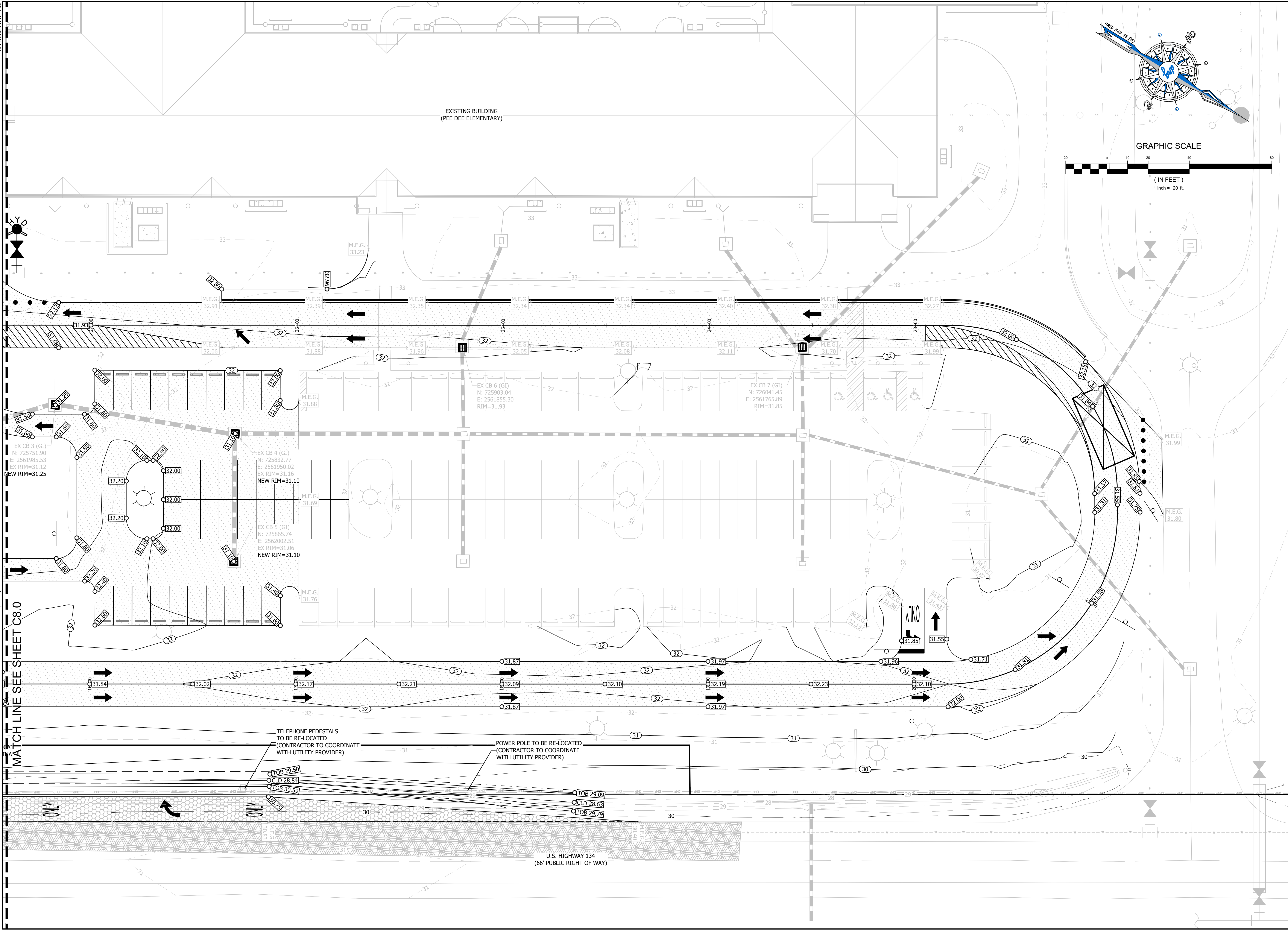
BID SET


PREPARED FOR:
HORRY COUNTY SCHOOLS
1160 EAST HIGHWAY 501
CONWAY, SC 29526
843-468-6867

JOB NO:	20.120
SCALE:	1" = 20'
DRAWN BY:	BJW
CHECKED BY:	WAG
APPROVED BY:	WAG
DATE:	05/14/2020
SHEET NUMBER:	


C8.1

P:20120 - HCS - PEE DEE ELEMENTARYDESIGNDRAWINGSHEET DRAWINGS20 120 GRADING&DRAINAGEPLAN (NEW).DWG 5/14/2020 8:31 AM





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MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



JUSTIN GRAHAM
No. 32941
STATE OF SOUTH CAROLINA

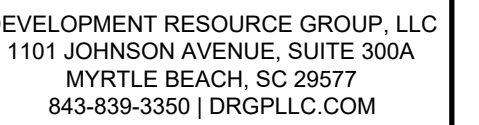
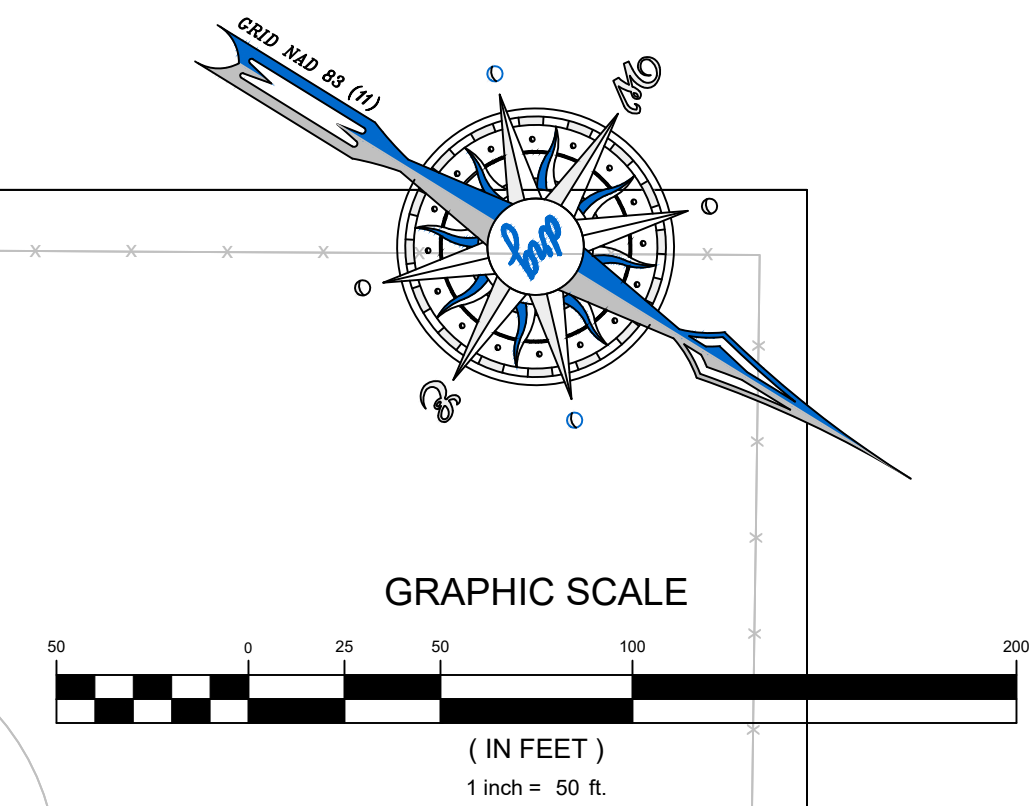
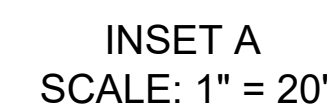
GRADING & DRAINAGE PLAN - 3

PEE DEE ELEMENTARY

PREPARED FOR:
Horry County Schools
1160 East Highway 501
Conway, SC 29526
843-468-6867

BID SET

JOB NO:	20.120
SCALE:	1" = 20'
DRAWN BY:	BJW
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APPROVED BY:	WAG
DATE:	05/14/2020
SHEET NUMBER:	C8.2



PEE DEE ELEMENTARY

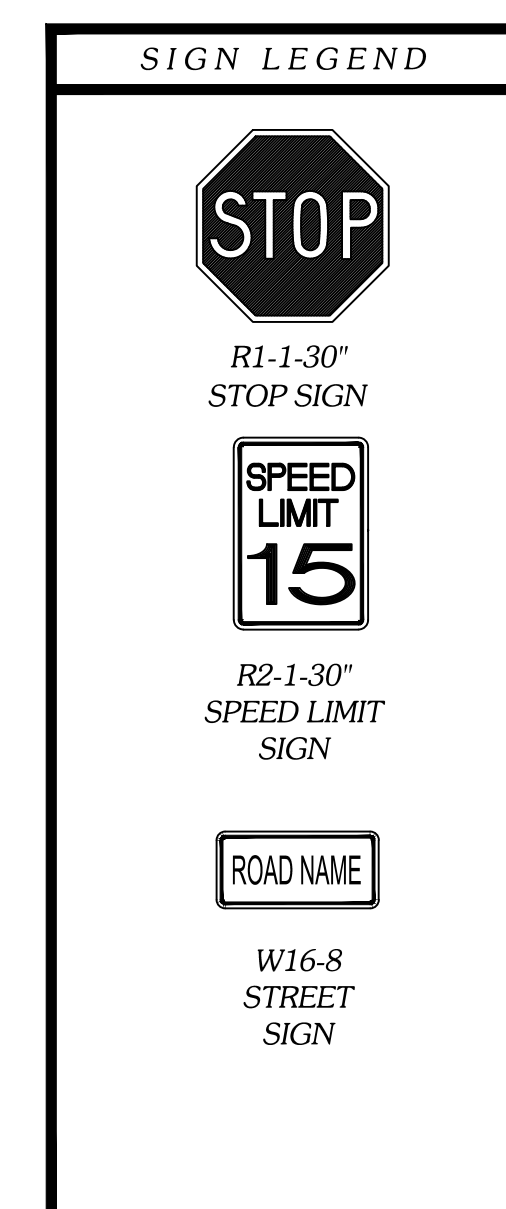
HORRY COUNTY SCHOOLS
1160 EAST HIGHWAY 501
CONWAY, SC 29526
843-488-6967

מדינת ישראל

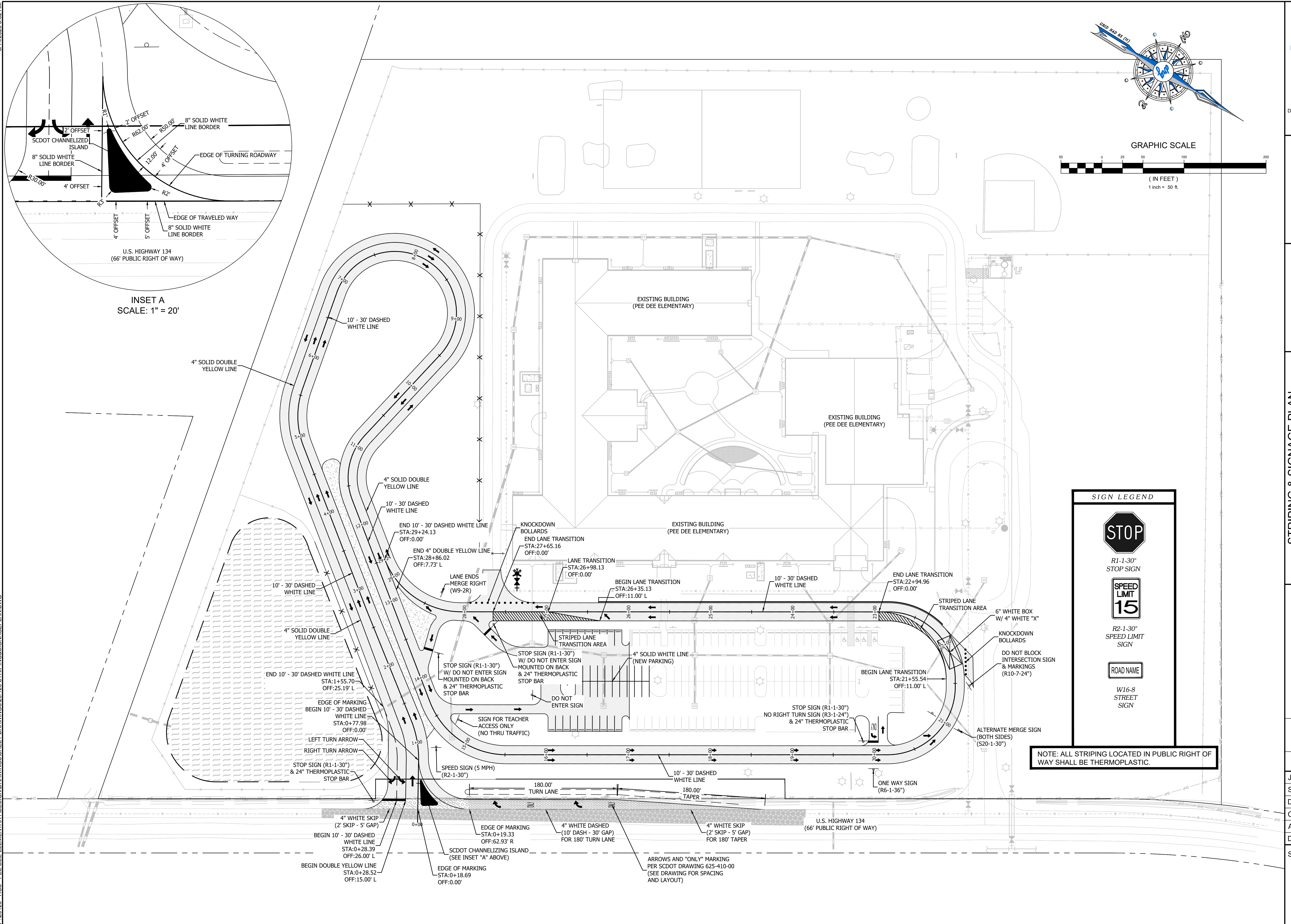
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DATE:	05/14/2020

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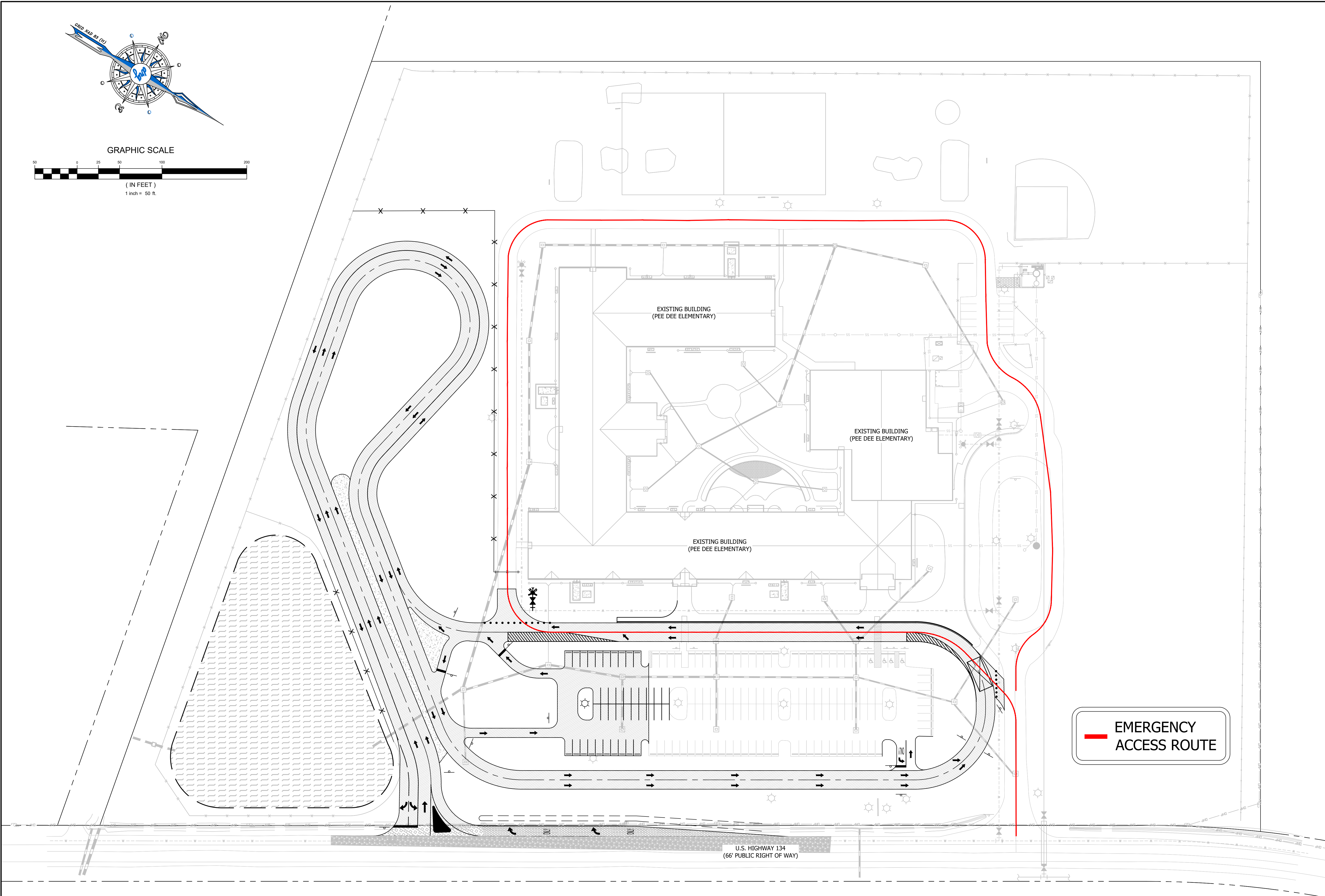
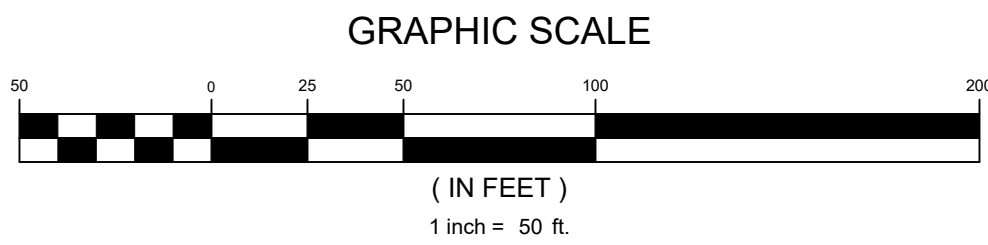
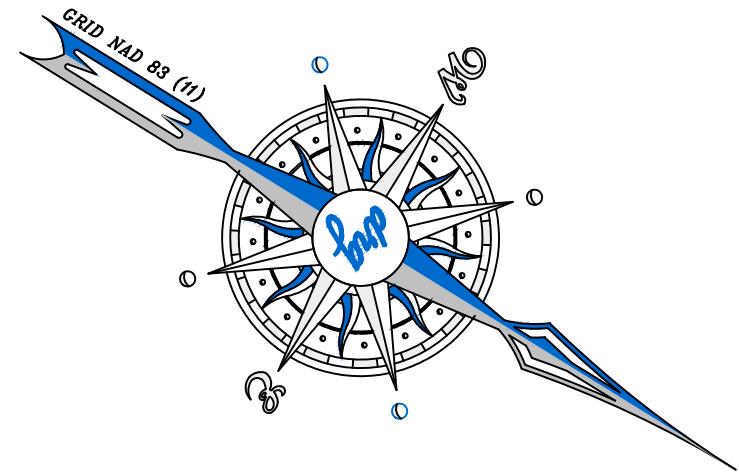
C9.0



NOTE: ALL STRIPING LOCATED IN PUBLIC RIGHT OF WAY SHALL BE THERMOPLASTIC.



P:\20120 - HCS - PEE DEE ELEMENTARY\DESIGN\DRAWINGS\20120 EMERGENCY PLAN.DWG 5/14/2020 8:32 AM



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1101 JOHNSON AVENUE, SUITE 300A
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EMERGENCY ACCESS ROUTE
PEE DEE ELEMENTARY

PREPARED FOR:
HORRY COUNTY SCHOOLS
1160 EAST HIGHWAY 501
CONWAY, SC 29526
843-468-6867

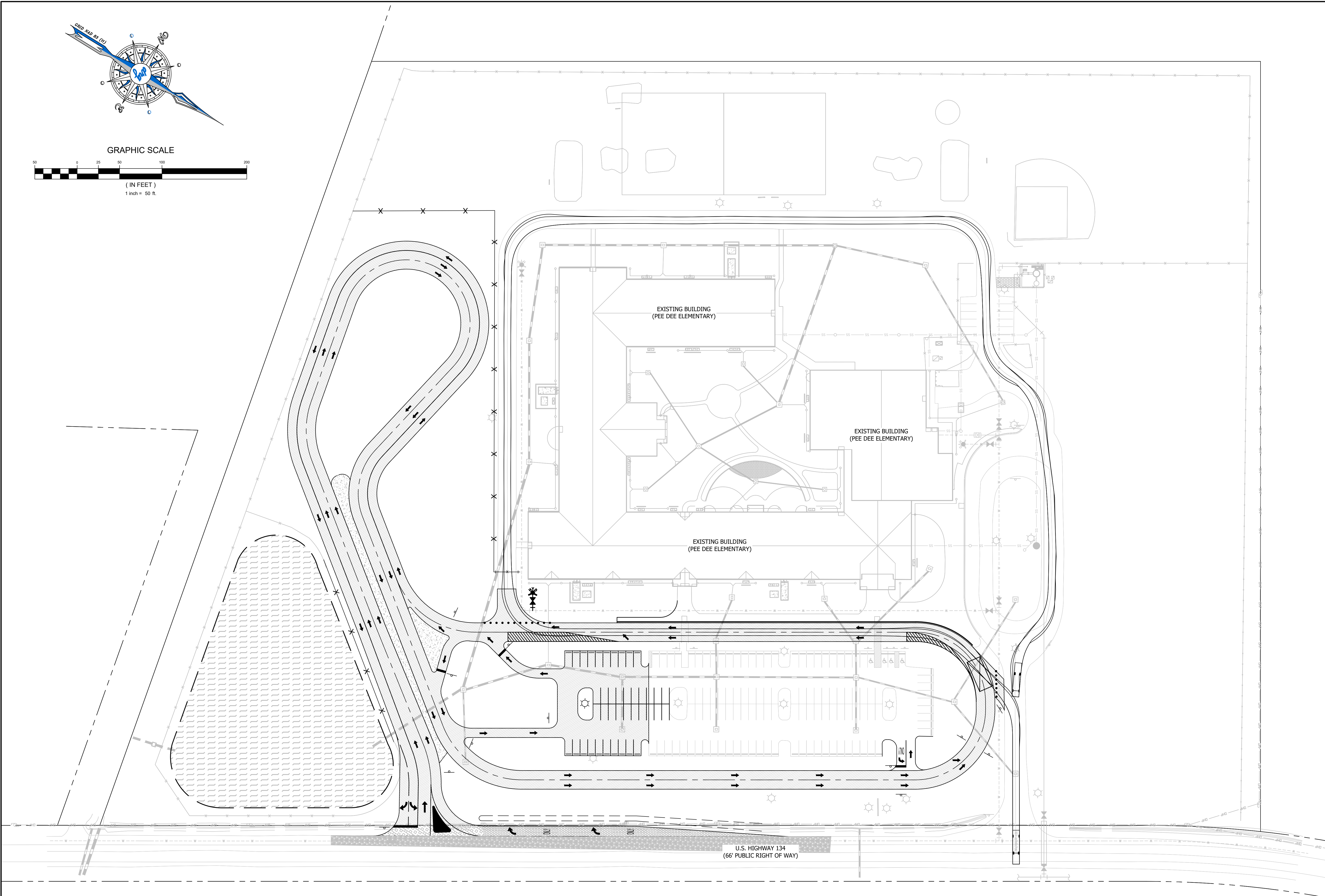
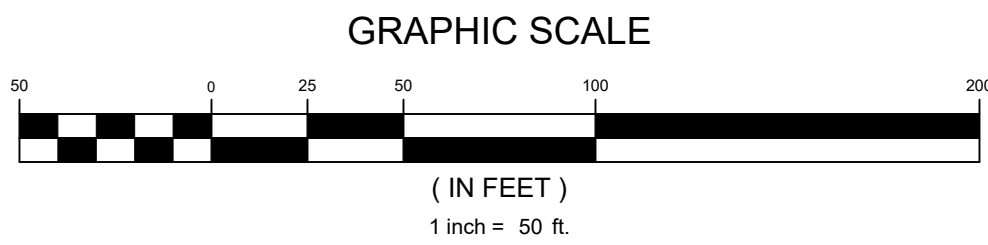
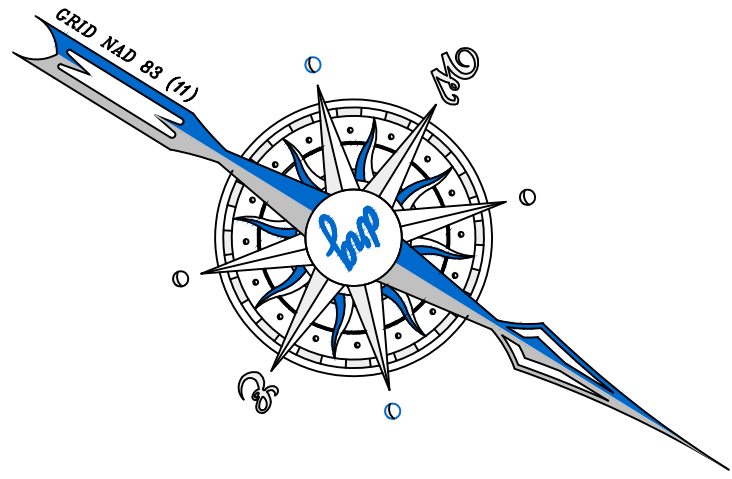
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CHECKED BY: WAG
APPROVED BY: WAG
DATE: 05/14/2020

SHEET NUMBER:

C10.0

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MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



EMERGENCY VEHICLE TURNS
PEE DEE ELEMENTARY

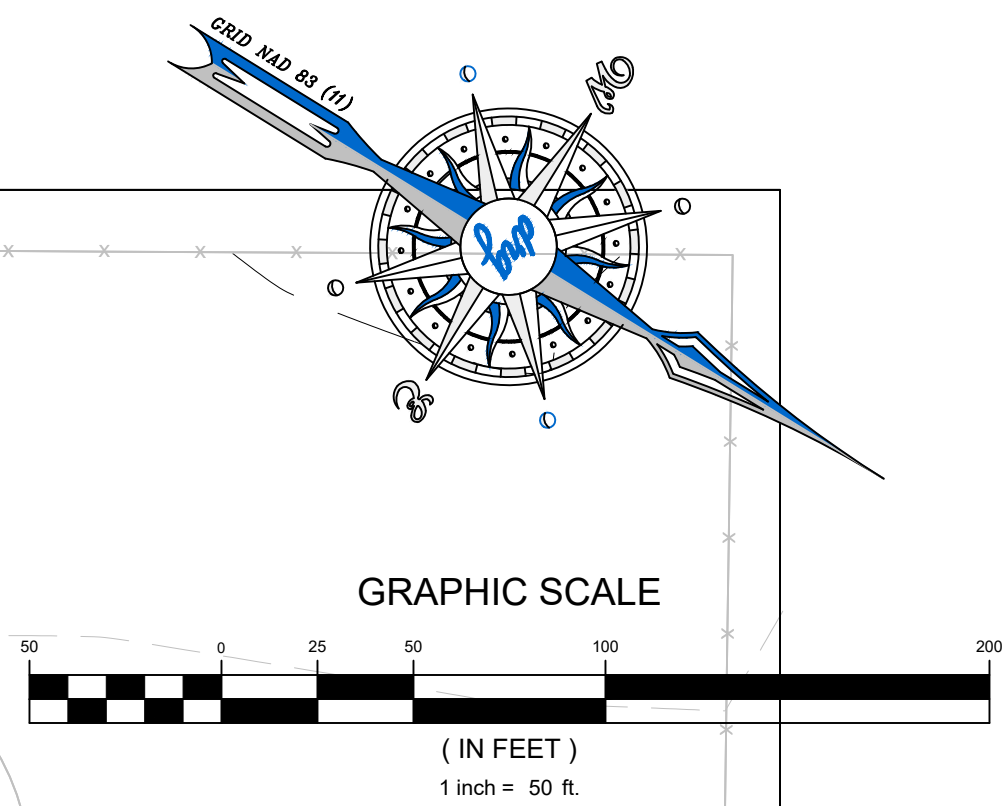
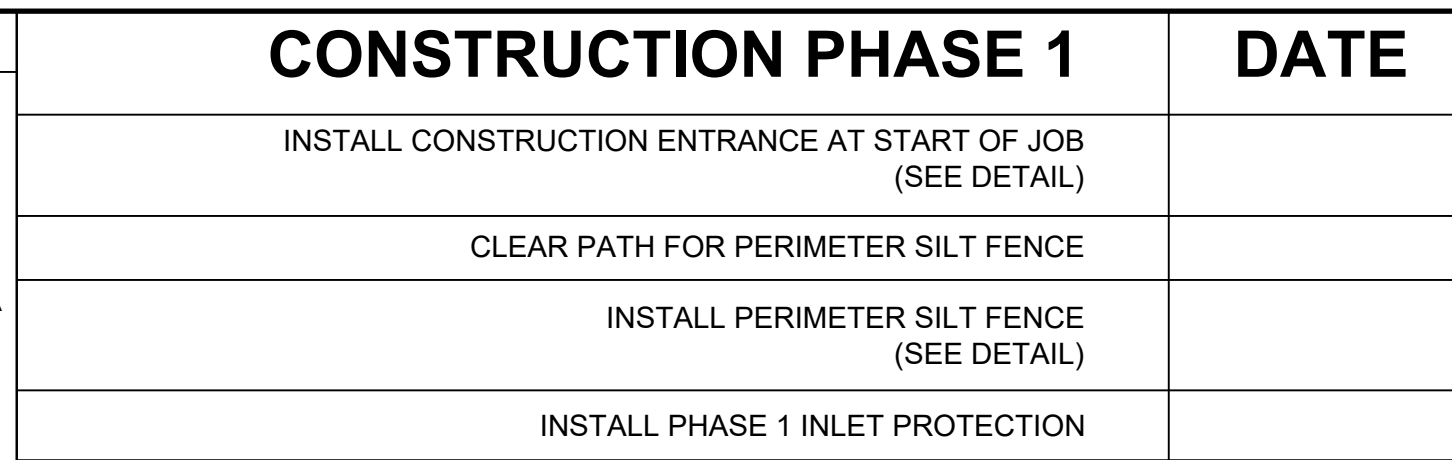
PREPARED FOR:
Horry County Schools
1160 East Highway 501
Conway, SC 29526
843-468-6867

BID SET

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CHECKED BY: WAG
APPROVED BY: WAG
DATE: 05/14/2020

SHEET NUMBER:

C10.1



W. Austin Jackson

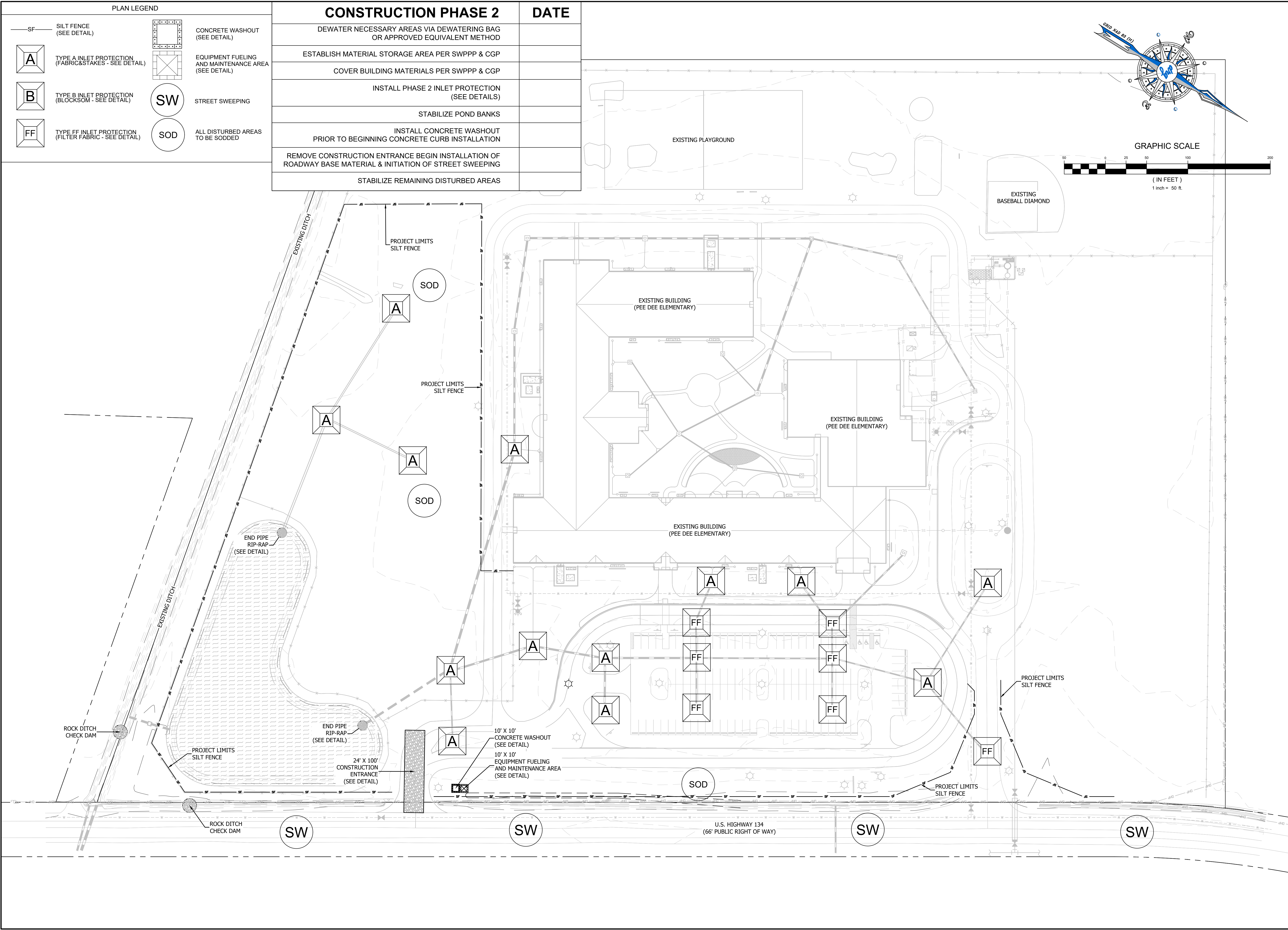
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MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM

JUSTIN G. AUSTIN
PROFESSIONAL ENGINEER
STATE OF SOUTH CAROLINA
NO. 32541

EROSION & SEDIMENT CONTROL PLAN

PEE DEE ELEMENTARY

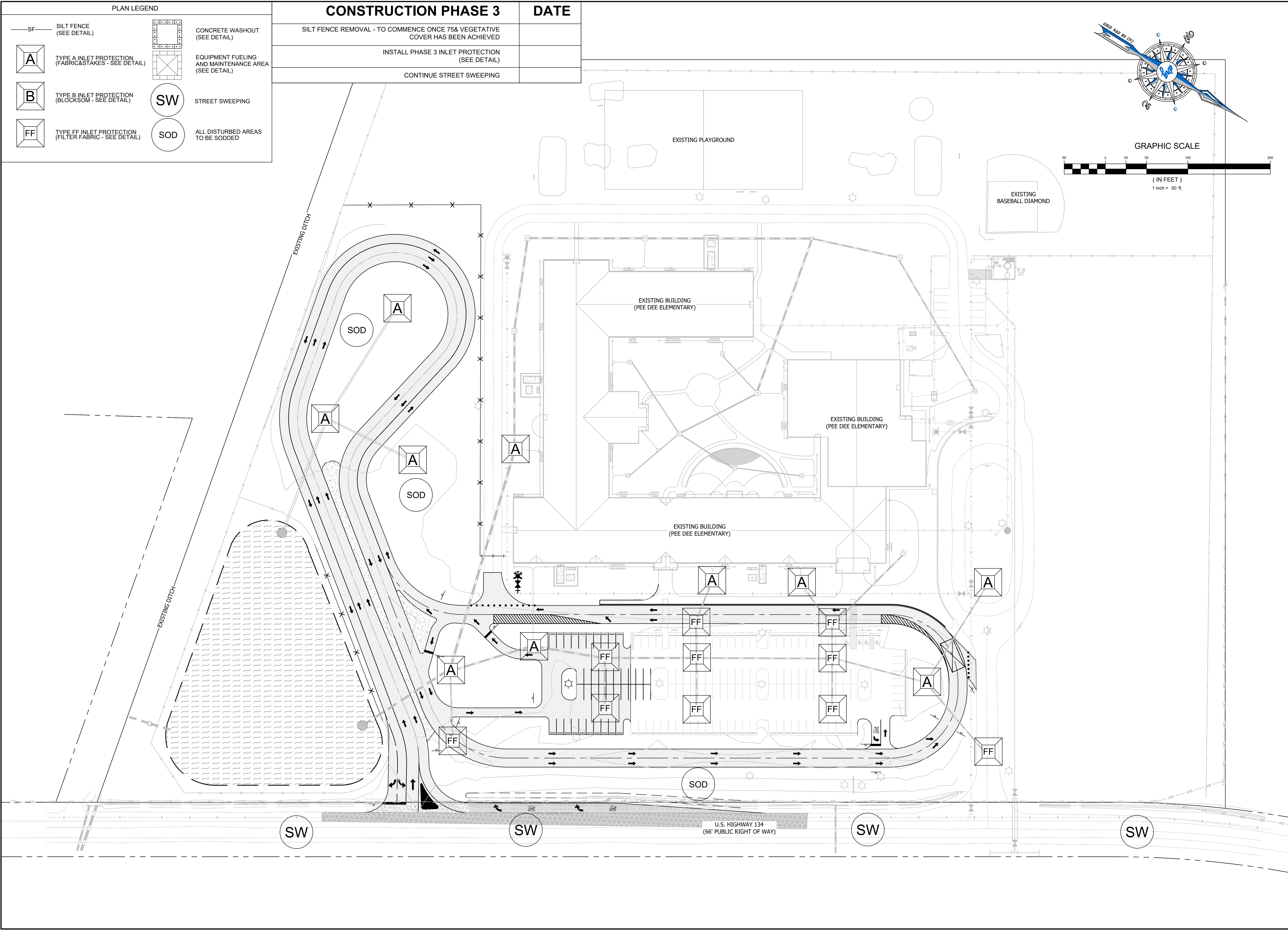
BID SET

PREPARED FOR:
HORRY COUNTY SCHOOLS
1160 EAST HIGHWAY 501
CONWAY, SC 29526
843-468-6967

JOB NO: 20.120
SCALE: 1" = 50'
DRAWN BY: BJW
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 05/14/2020
SHEET NUMBER:

C11.1

P:\20120 - HCS - PEE DEE ELEMENTARY\DESIGN\DRAWINGS\20120 EROSION CONTROL PLAN.DWG 5/14/2020 8:32 AM



drg

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MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM

STATE OF SOUTH CAROLINA
PROFESSIONAL ENGINEER
DEVELOPMENT RESOURCE GROUP, LLC
No. 6089
EXPIRATION DATE 12/31/2024

STATE OF SOUTH CAROLINA
PROFESSIONAL LANDSCAPE ARCHITECT
W. Austin Graham
No. 32541
EXPIRATION DATE 12/31/2024

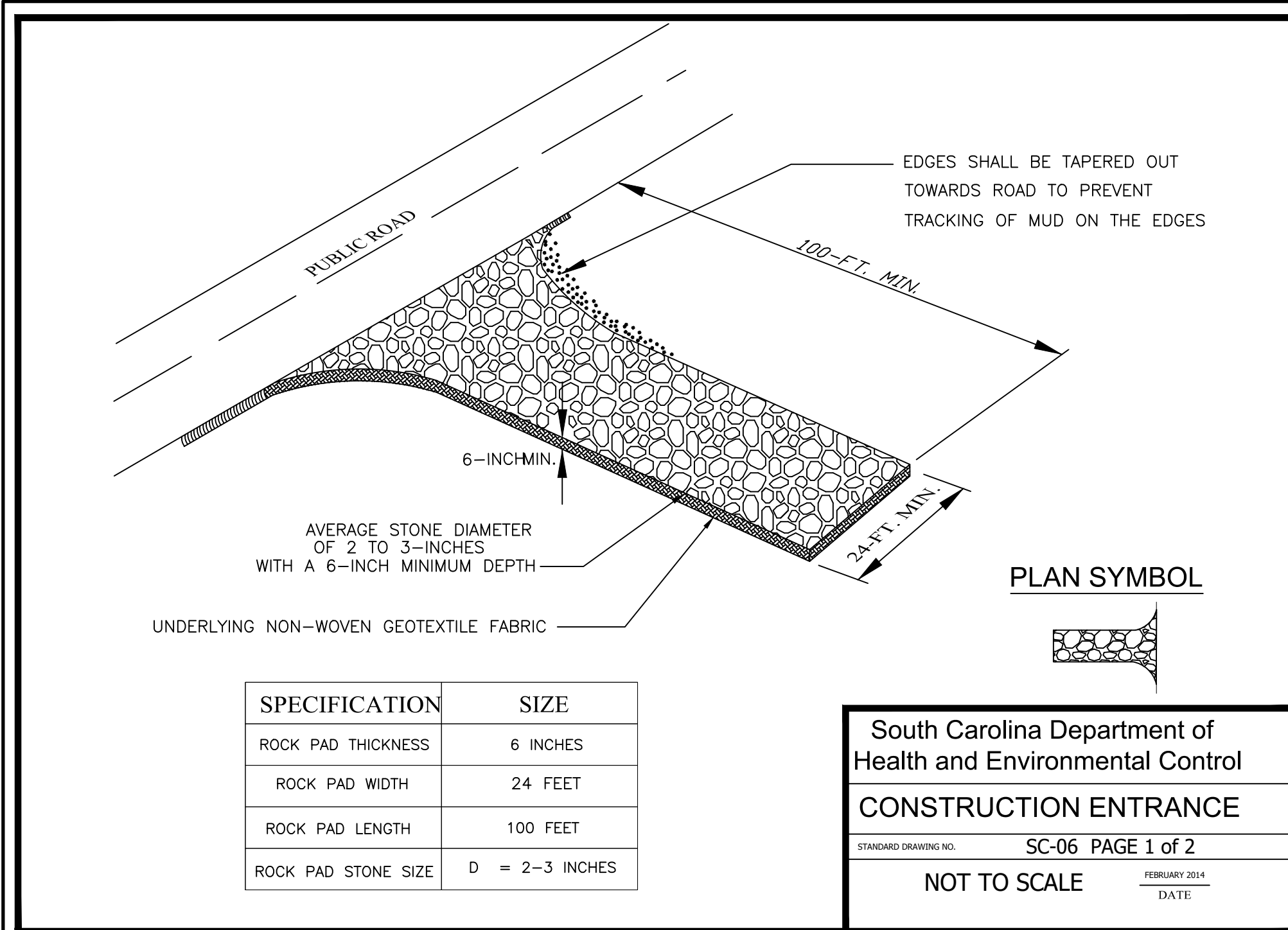
EROSION & SEDIMENT CONTROL PLAN

PEE DEE ELEMENTARY

PREPARED FOR:
Horry County Schools
1160 East Highway 501
Conway, SC 29526
843-468-6967

BID SET

JOB NO:	20.120
SCALE:	1" = 50'
DRAWN BY:	BJW
CHECKED BY:	WAG
APPROVED BY:	WAG
DATE:	05/14/2020
SHEET NUMBER:	C11.2

**CONSTRUCTION ENTRANCE - GENERAL NOTES**

1. Stabilized construction entrances should be used at all points where traffic will egress/ingress a construction site onto a public road or any impervious surfaces, such as parking lots.
2. Install a non-woven geotextile fabric prior to placing any stone.
3. Install a culvert pipe across the entrance when needed to provide positive drainage.
4. The entrance shall consist of 2-inch to 3-inch D50 stone placed at a minimum depth of 6-inches.
5. Minimum dimensions of the entrance shall be 24-feet wide by 100-feet long, and may be modified as necessary to accommodate site constraints.
6. The edges of the entrance shall be tapered out towards the road to prevent tracking at the edge of the entrance.
7. Divert all surface runoff and drainage from the stone pad to a sediment trap or basin or other sediment trapping structure.
8. Limestone may not be used for the stone pad.

CONSTR. ENTRANCE - INSPECTION & MAINTENANCE

1. The key to functional construction entrances is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of construction entrances shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
3. During regular inspections, check for mud and sediment buildup and pad integrity. Inspection frequencies may need to be more frequent during long periods of wet weather.
4. Reshape the stone pad as necessary for drainage and runoff control.
5. Wash or replace stones as needed and as directed by site inspector. The stone in the entrance should be washed or replaced whenever the entrance fails to reduce the amount of mud being carried off-site by vehicles. Frequent washing will extend the useful life of stone pad.
6. Immediately remove mud and sediment tracked or washed onto adjacent impervious surfaces by brushing or sweeping. Flushing should only be used when the water can be discharged to a sediment trap or basin.
7. During maintenance activities, any broken pavement should be repaired immediately.
8. Construction entrances should be removed after the site has reached final stabilization. Permanent vegetation should replace areas from which construction entrances have been removed, unless area will be converted to an impervious surface to serve post-construction.

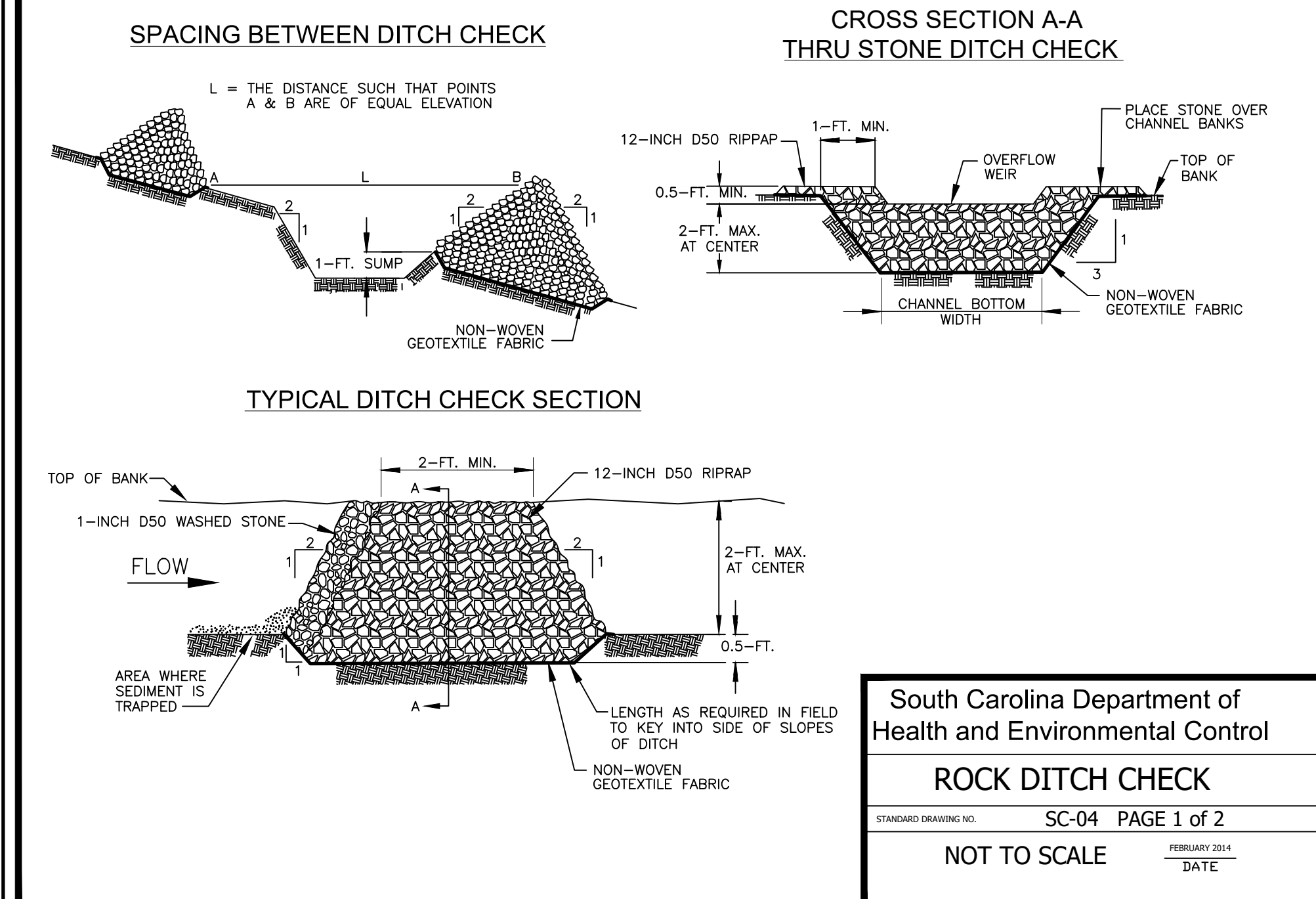
South Carolina Department of Health and Environmental Control

CONSTRUCTION ENTRANCE

STANDARD DRAWING NO. SC-06 PAGE 2 of 2

GENERAL NOTES

FEBRUARY 2014 DATE

**SILT FENCE - POST REQUIREMENTS**

1. Silt Fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics:
 - Composed of a high strength steel with a minimum yield strength of 50,000 psi.
 - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches.
 - Weigh 1.25 pounds per foot ($\pm 8\%$)
2. Posts shall be equipped with projections to aid in fastening of filter fabric.
3. Steel posts may need to have a metal soil stabilization plate welded near the bottom when installed along steep slopes or installed in loose soils. The plate should have a minimum cross section of 17-square inches and be composed of 15 gauge steel, at a minimum. The metal soil stabilization plate should be completely buried.
4. Install posts to a minimum of 24-inches. A minimum height of 1- to 2-inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
5. Post spacing shall be at a maximum of 6-feet on center.

SILT FENCE - FABRIC REQUIREMENTS

1. Silt Fence must be composed of woven geotextile filter fabric that consists of the following requirements:
 - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other;
 - Free of any treatment or coating which might adversely alter its physical properties after installation;
 - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and,
 - Have a minimum width of 36-inches.
2. Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
3. 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
4. Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
5. Filter Fabric shall be installed at a minimum of 24-inches above the ground.

SILT FENCE - INSPECTION & MAINTENANCE

1. The key to functional silt fence is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of silt fence shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
3. Attention to sediment accumulations along the silt fence is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
4. Remove accumulated sediment when it reaches 1/3 the height of the silt fence.
5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
6. Check for areas where stormwater runoff has eroded a channel beneath the silt fence, or where the fence has sagged or collapsed due to runoff overtopping the silt fence. Install checks/tie-backs and/or reinstall silt fence, as necessary.
7. Check for tears within the silt fence, areas where silt fence has begun to decompose, and for any other circumstance that may render the silt fence ineffective. Removed damaged silt fence and reinstall new silt fence immediately.
8. Silt fence should be removed within 30 days after final stabilization is achieved and once it is removed, the resulting disturbed area shall be permanently stabilized.

South Carolina Department of Health and Environmental Control

SILT FENCE

STANDARD DRAWING NO. SC-03 PAGE 2 of 2

GENERAL NOTES

FEBRUARY 2014 DATE

ROCK DITCH CHECK - GENERAL NOTES

1. Rock Ditch Checks should not be placed in Waters of the State or USGS blue-line streams (unless approved by Federal Authorities).
2. Rock Ditch Checks should be installed in steeply sloped channels where adequate vegetation cannot be established. This BMP measure should only be used in small open channels.
3. A non-woven geotextile fabric shall be installed over the soil surface where the rock ditch check is to be placed.
4. The body of the rock ditch check shall be composed of 12-inch D50 Riprap. The upstream face may be composed of 1-inch D50 washed stone.
5. Rock Ditch Checks should not exceed a height of 2-feet at the centerline of the channel.
6. Rock Ditch Checks should have a minimum top flow length of 2-feet.
7. Riprap should be placed over channel banks to prevent water from cutting around the ditch check.
8. The riprap should be placed by hand or mechanical placement (no dumping of rock to form dam) to achieve complete coverage of the channel. Doing so will also ensure that the center of the check is lower than the edges.
9. The maximum spacing between the dams should be such that the toe of the upstream check is at the same elevation as the top of the downstream check.

ROCK DITCH CHECK - INSPECTION & MAINTENANCE

1. The key to functional rock ditch check is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of rock ditch checks shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
3. Attention to sediment accumulations in front of the rock ditch check is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
4. Remove accumulated sediment when it reaches 1/3 the height of the rock ditch check.
5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
6. Inspect Rock Ditch Checks' edges for erosion and evidence of runoff bypassing the installed check. If evident repair promptly as necessary to prevent erosion and bypassing.
7. In the case of grass-lined ditches, channels, and swales, rock ditch checks should be removed when the grass has matured sufficiently to protect the ditch or swale unless the slope of the swale is greater than 4%.
8. After construction is completed and final stabilization is reached, the entirety of the rock ditch check should be removed if vegetation will be used for permanent erosion control measures. The area beneath the removed rock ditch check must be addressed with permanent stabilization measures.

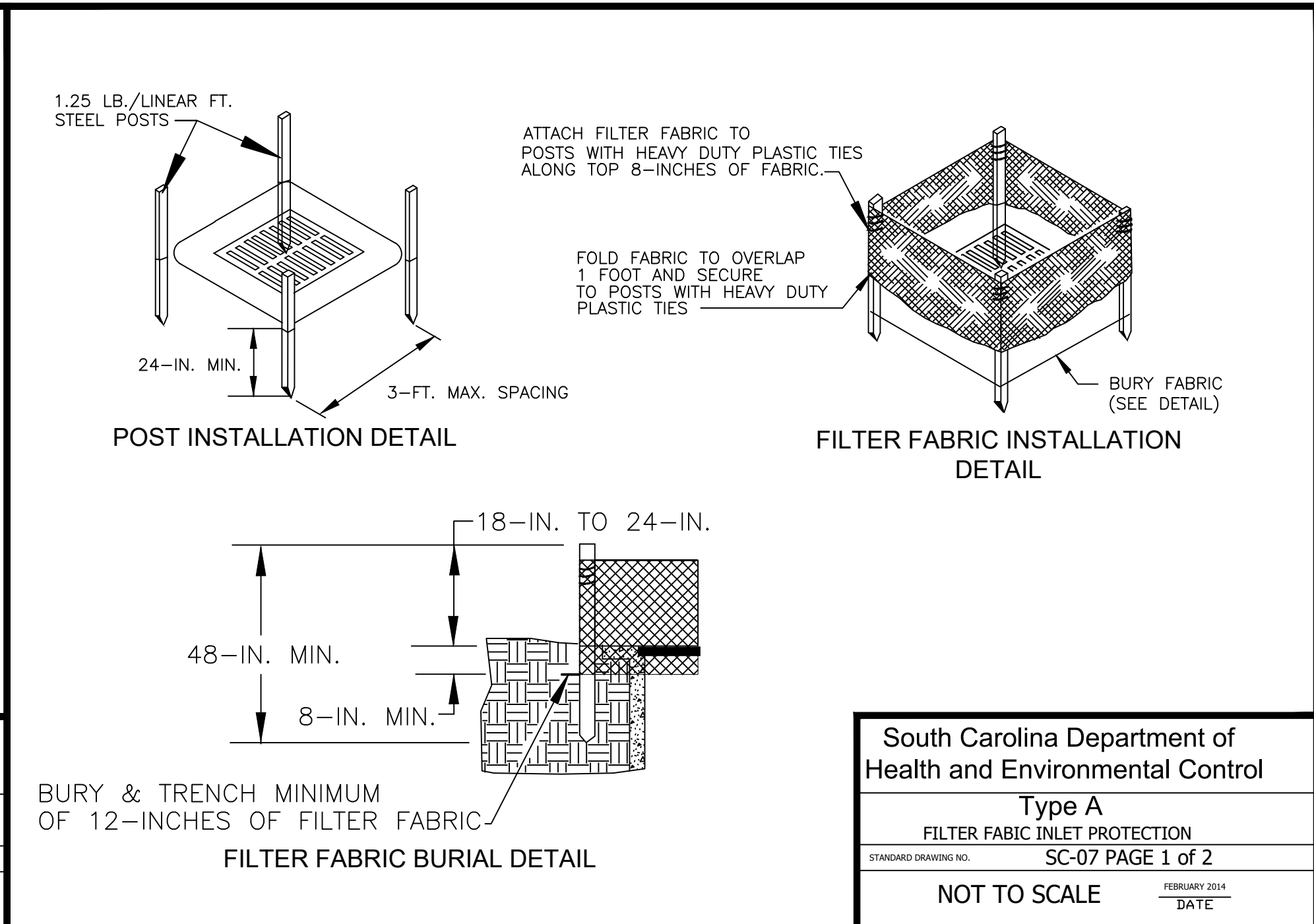
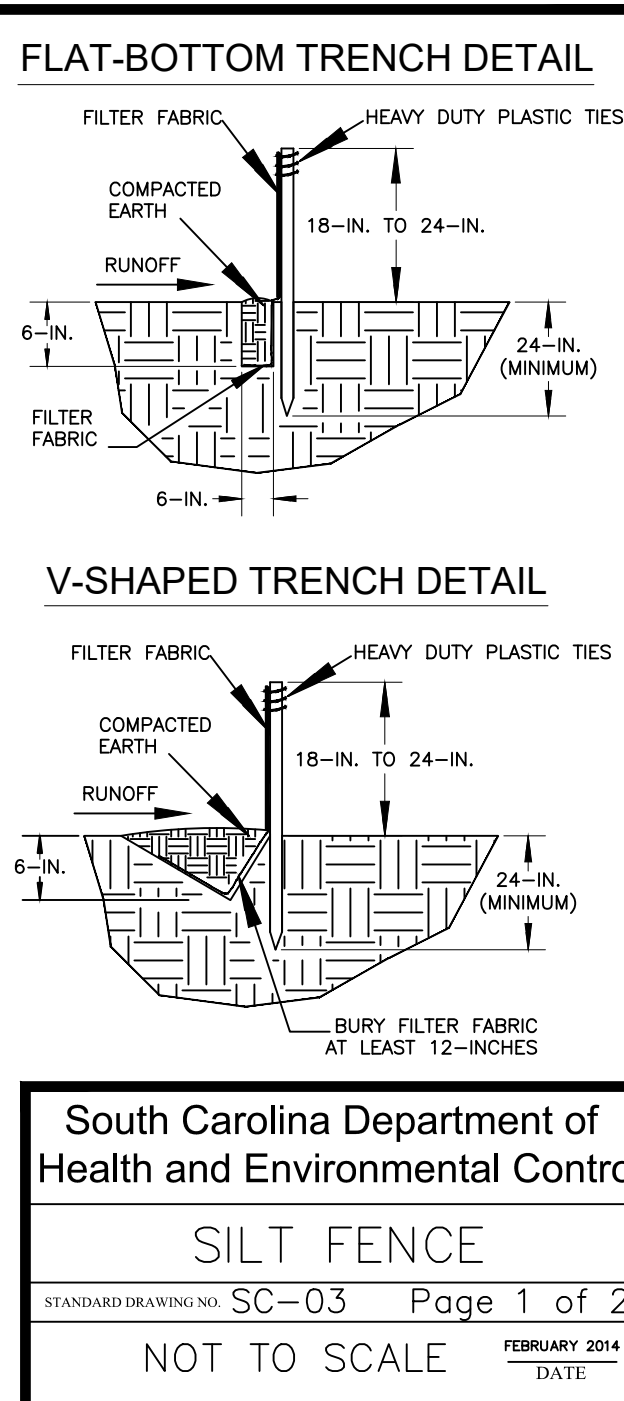
South Carolina Department of Health and Environmental Control

ROCK DITCH CHECK

STANDARD DRAWING NO. SC-04 PAGE 2 of 2

GENERAL NOTES

FEBRUARY 2014 DATE

**TYPE A - FILTER FABRIC REQUIREMENTS**

1. Silt Fence must be composed of woven geotextile filter fabric that consists of the following requirements:
 - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other;
 - Free of any treatment or coating which might adversely alter its physical properties after installation;
 - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and,
 - Have a minimum width of 36-inches.
2. Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
3. 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
4. Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
5. Filter Fabric shall be installed at a minimum of 24-inches above the ground.

TYPE A - POST REQUIREMENTS

1. Silt Fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics:
 - Composed of a high strength steel with a minimum yield strength of 50,000 psi.
 - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches.
 - Weigh 1.25 pounds per foot ($\pm 8\%$)
2. Posts shall be equipped with projections to aid in fastening of filter fabric.
3. Install posts to a minimum of 24-inches. A minimum height of 1- to 2-inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
4. Post spacing shall be at a maximum of 3-feet on center.

TYPE A - INSPECTION & MAINTENANCE

1. The key to functional inlet protection is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of inlet protection shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
3. Attention to sediment accumulations along the filter fabric is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
4. Remove accumulated sediment when it reaches 1/3 the height of the filter fabric. When a sump is installed in front of the fabric, sediment should be removed when it fills approximately 1/3 the depth of the sump.
5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
6. Check for areas where stormwater runoff has eroded a channel beneath the filter fabric, or where the fabric has sagged or collapsed due to runoff overtopping the inlet protection.
7. Check for tears within the filter fabric, areas where fabric has begun to decompose, and for any other circumstance that may render the inlet protection ineffective. Removed damaged fabric and reinstall new filter fabric immediately.
8. Inlet protection structures should be removed after all the disturbed areas are permanently stabilized. Remove all construction material and sediment, and dispose of them properly. Grade the disturbed area to the elevation of the drop inlet structure crest. Stabilize all bare areas immediately.

South Carolina Department of Health and Environmental Control

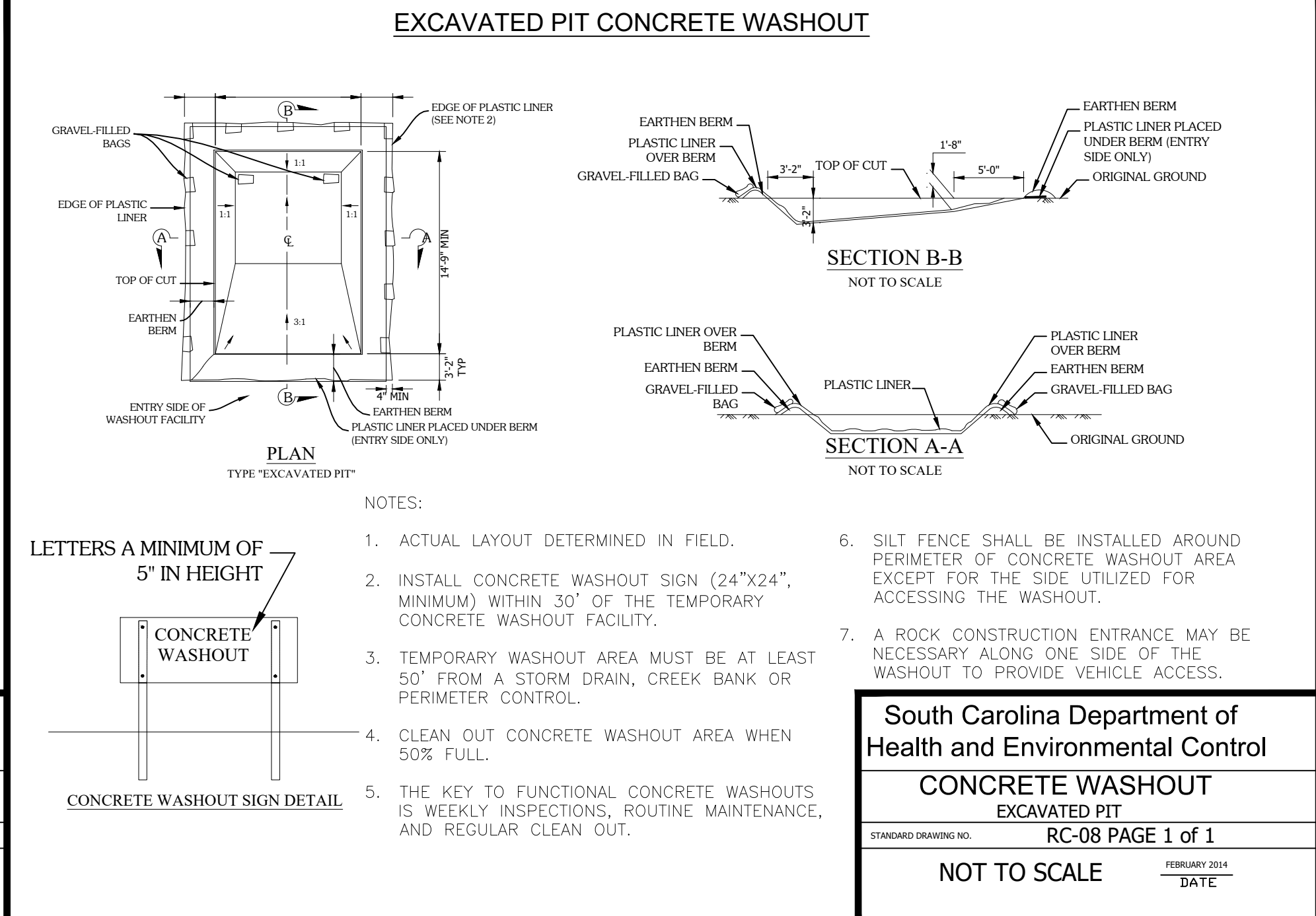
Type A

FILTER FABRIC INLET PROTECTION

STANDARD DRAWING NO. SC-07 PAGE 2 of 2

GENERAL NOTES

FEBRUARY 2014 DATE



DETAILS - 1

PEE DEE ELEMENTARY

PREPARED FOR: Horry County Schools
1160 EAST HIGHWAY 501
CONWAY, SC 29526
843-468-6967

BID SET

JOB NO: 20.120

SCALE: N.T.S.

DRAWN BY: BJW

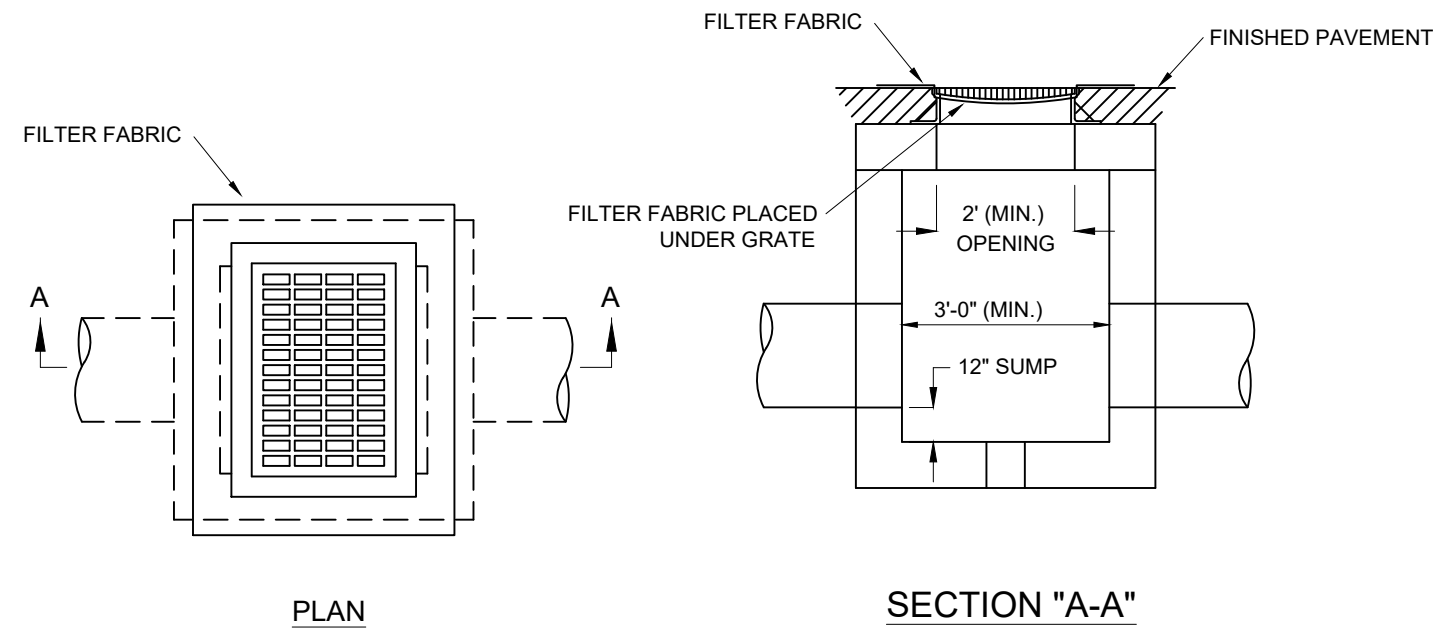
CHECKED BY: WAG

APPROVED BY: WAG

DATE: 05/14/2020

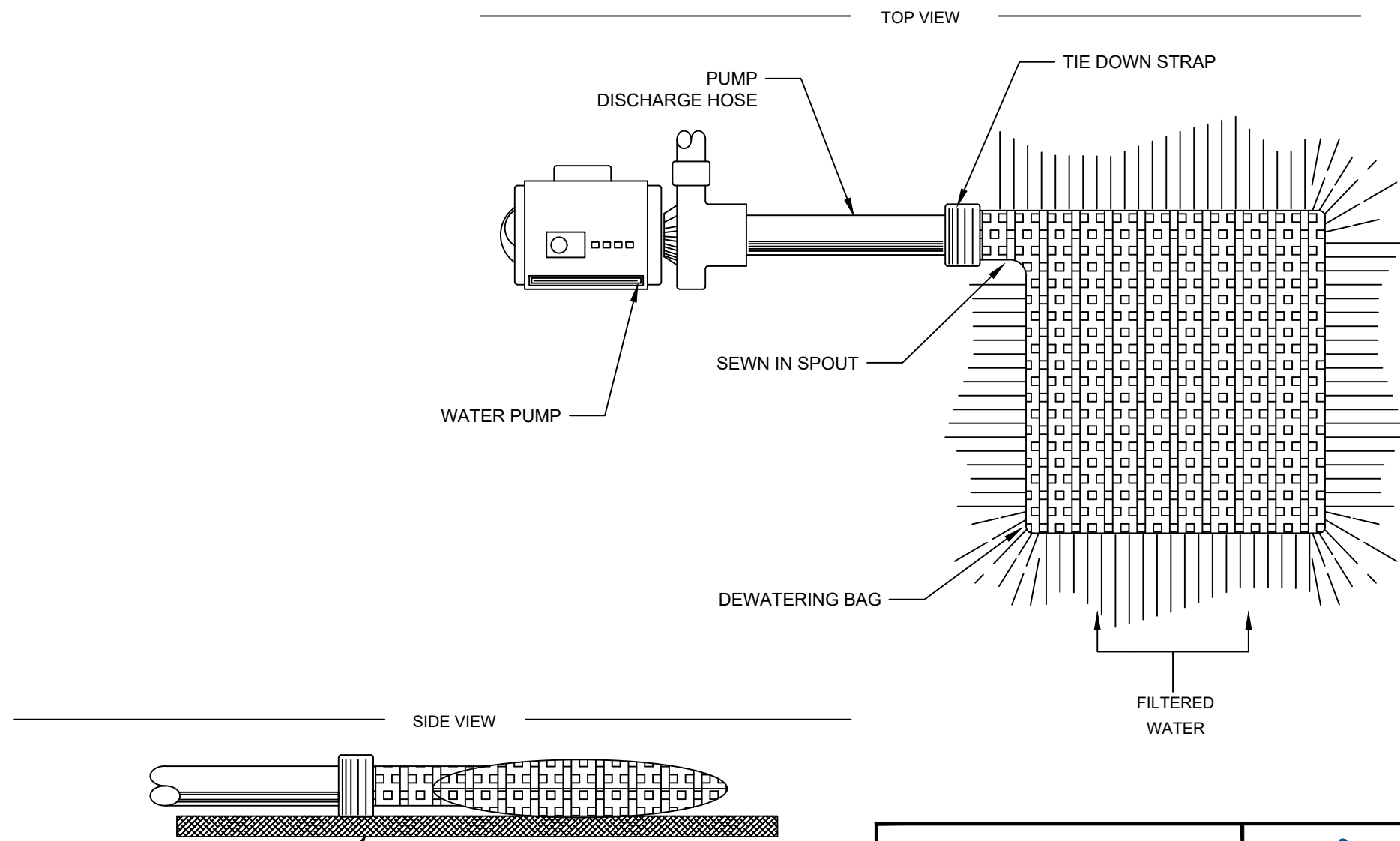
SHEET NUMBER:

C12.0



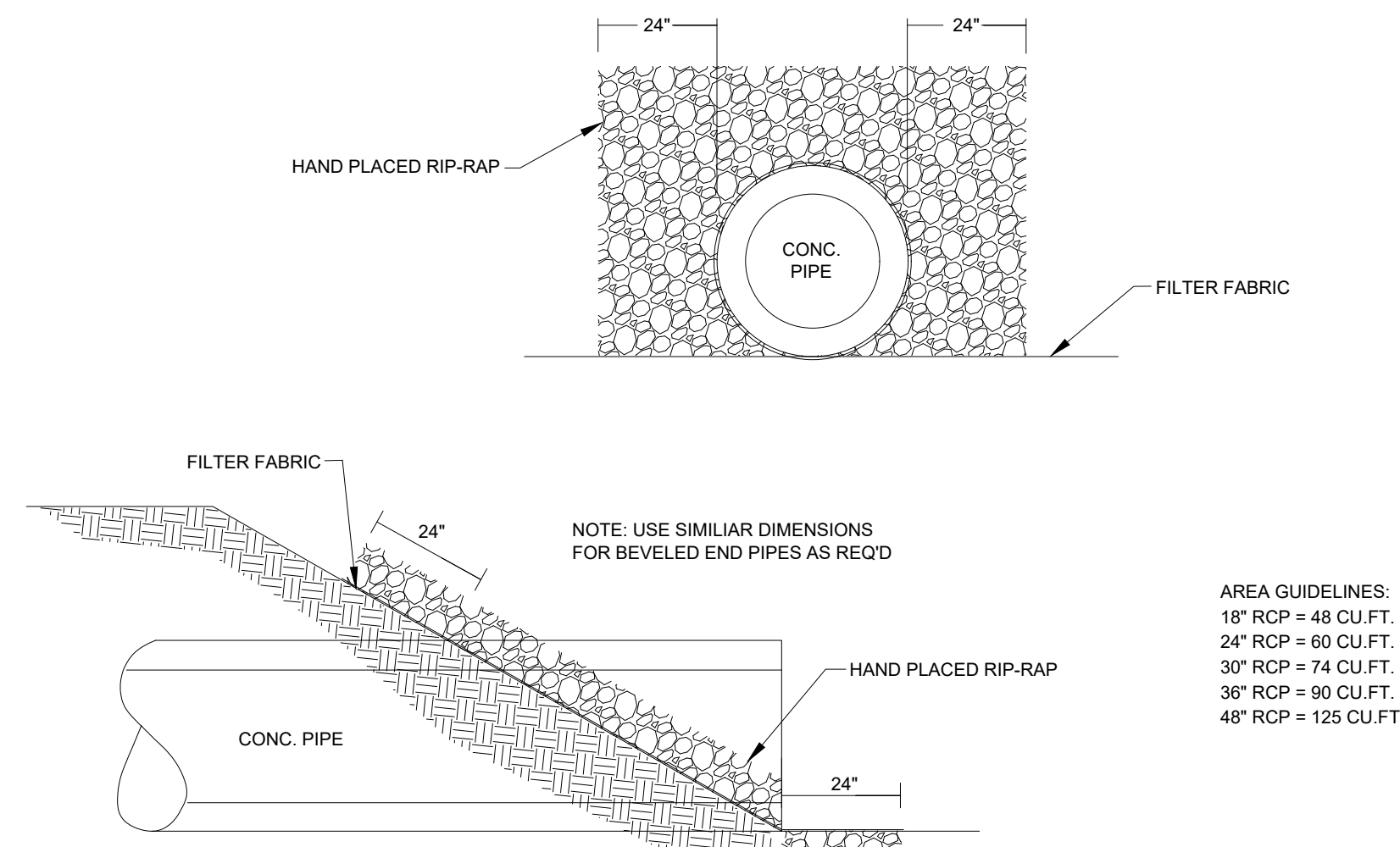
INLET PROTECTION - TYPE FF		
R#	N.T.S.	07/XX/19
DEVELOPMENT RESOURCE GROUP, LLC		

drg



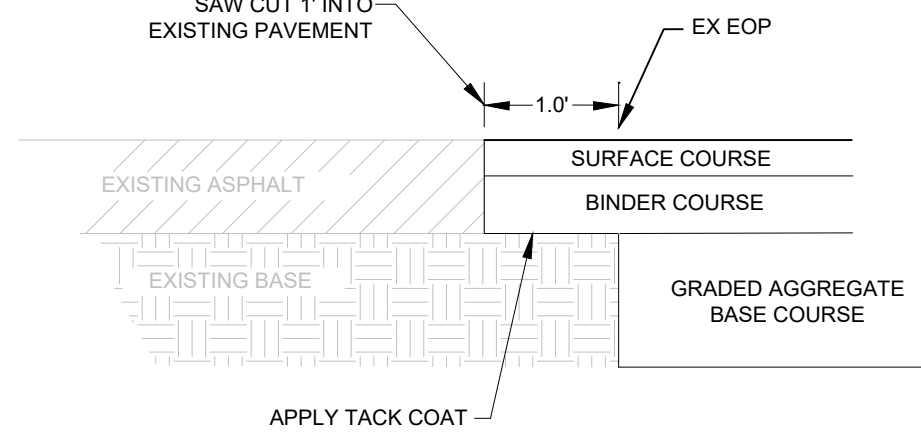
DEWATERING BAG		
E#	N.T.S.	07/XX/19
DEVELOPMENT RESOURCE GROUP, LLC		

drg



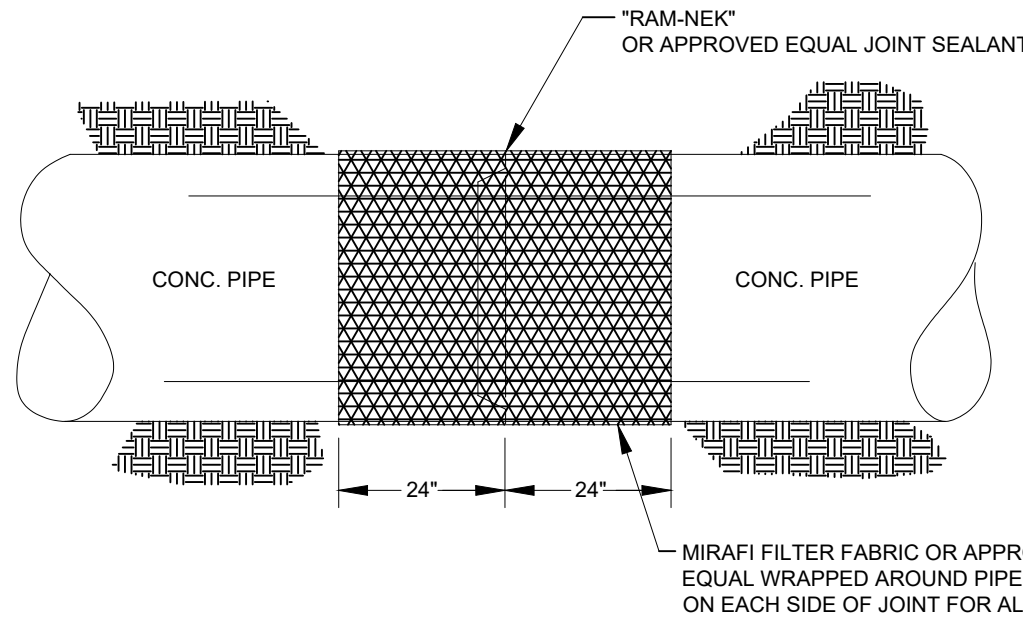
RIP-RAP		
E#	N.T.S.	07/XX/19
DEVELOPMENT RESOURCE GROUP, LLC		

drg



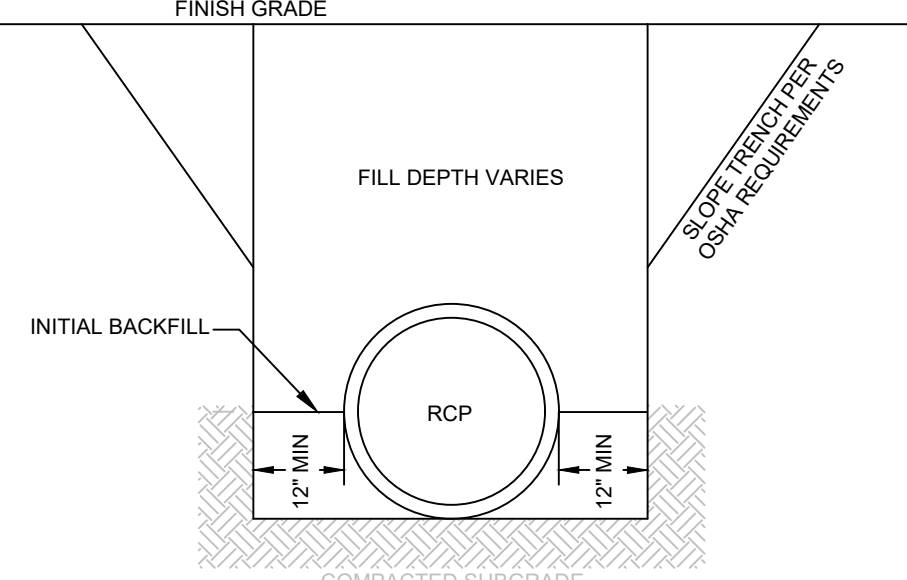
SAW CUT PROPOSED PAVEMENT SEEM		
R#	N.T.S.	07/XX/19
DEVELOPMENT RESOURCE GROUP, LLC		

drg



CONCRETE PIPE JOINT DETAIL		
D#	N.T.S.	07/XX/19
DEVELOPMENT RESOURCE GROUP, LLC		

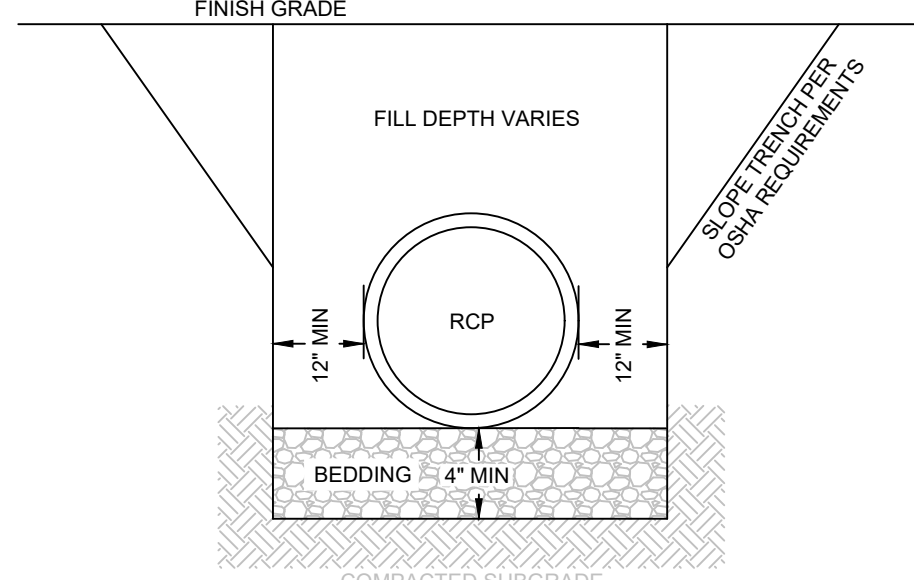
drg



- NOTES
1. MATERIAL UTILIZED AS FILL SHALL BE FREE OF LARGE ROCKS, DEBRIS, ORGANICS AND PLACED IN 6" LOOSE LIFTS AND COMPACTED TO 96% STANDARD PROCTOR.
 2. BACKFILL MUST MEET SCDOT STANDARD SPECIFICATIONS SECTION 204.8

REINFORCED CONCRETE PIPE BEDDING SANDY SOILS		
D#	N.T.S.	07/XX/19
DEVELOPMENT RESOURCE GROUP, LLC		

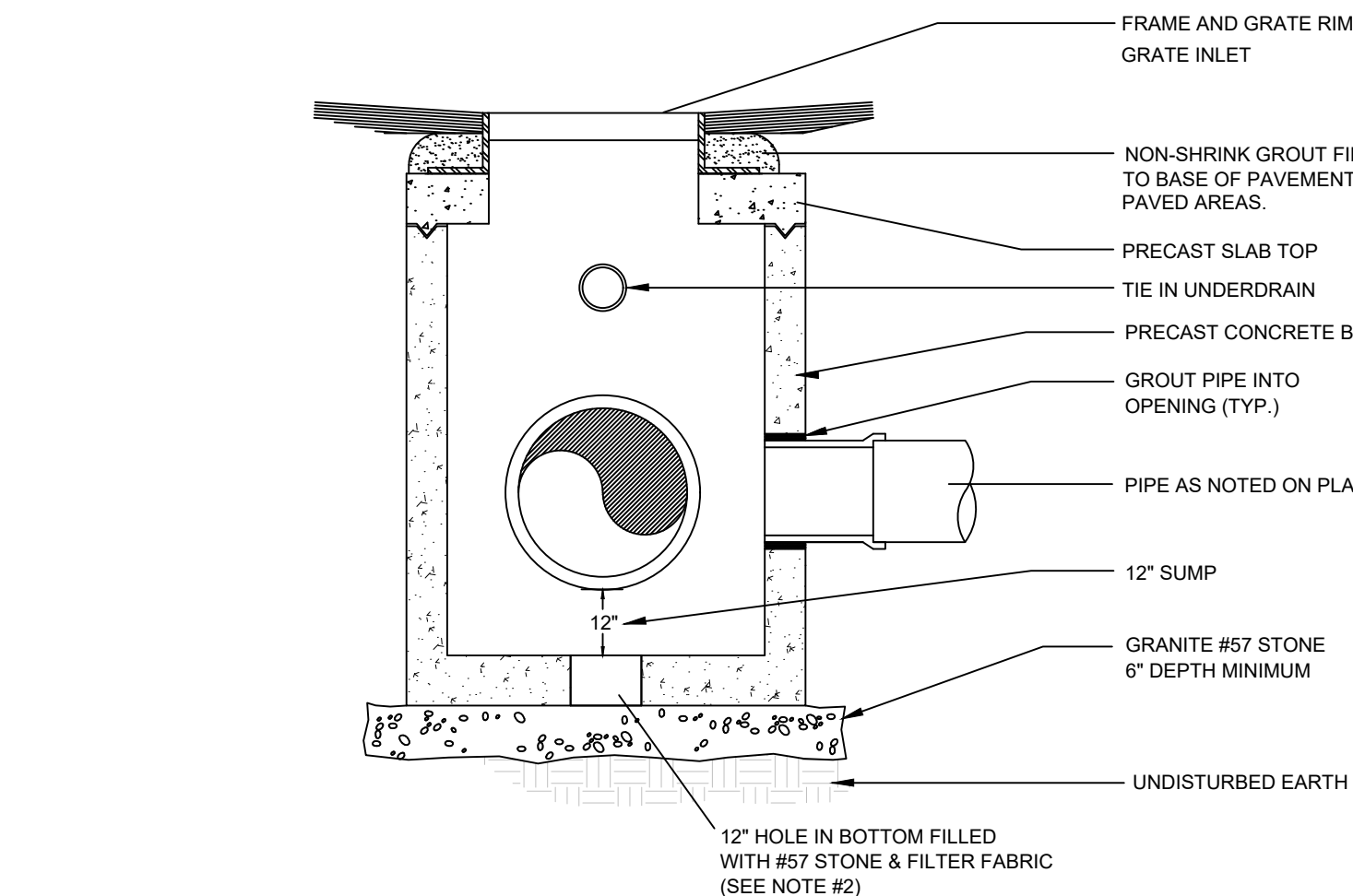
drg



- NOTES
1. BEDDING SHALL BE COMPACTED CRUSHED STONE (CLASS 1 MATERIAL) SHAPED TO THE BOTTOM OF PIPE.
 2. MATERIAL UTILIZED AS FILL SHALL BE FREE OF LARGE ROCKS, DEBRIS, ORGANICS AND PLACED IN 6" LOOSE LIFTS AND COMPACTED TO 96% STANDARD PROCTOR.
 3. BACKFILL MUST MEET SCDOT STANDARD SPECIFICATIONS SECTION 204.8

REINFORCED CONCRETE PIPE BEDDING CLAY SOILS & WET CONDITIONS		
D#	N.T.S.	07/XX/19
DEVELOPMENT RESOURCE GROUP, LLC		

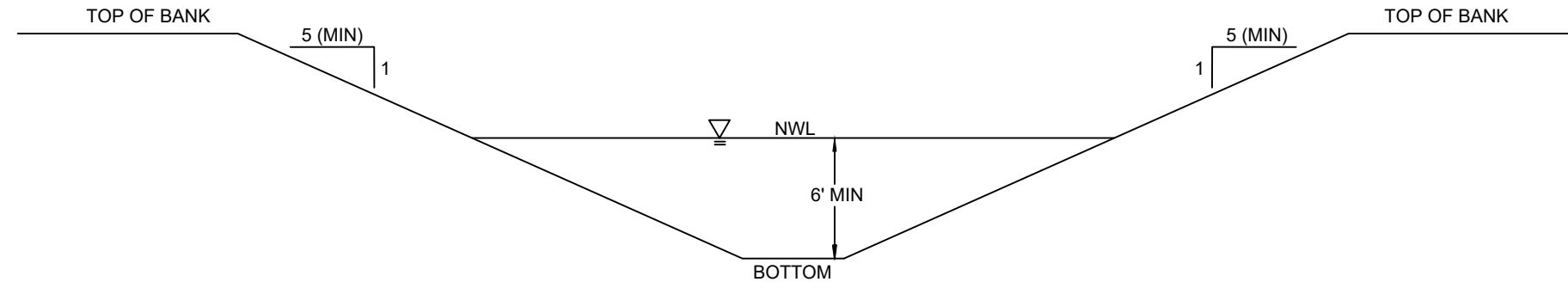
drg



- NOTES
1. ALL BASINS AND SLAB TOPS TO BE PRECAST AND DESIGNED FOR HS-20 LOAD RATING MINIMUM.
 2. IF THE STORMWATER STRUCTURE IS INUNDATED THE 12" HOLE IN THE BOTTOM OF THE BOX SHALL BE OMITTED.
 3. ANY STRUCTURE DEEPER THAN 4' SHALL HAVE STEPS

CATCH BASIN / JUNCTION BOX		
D1	N.T.S.	07/24/19
DEVELOPMENT RESOURCE GROUP, LLC		

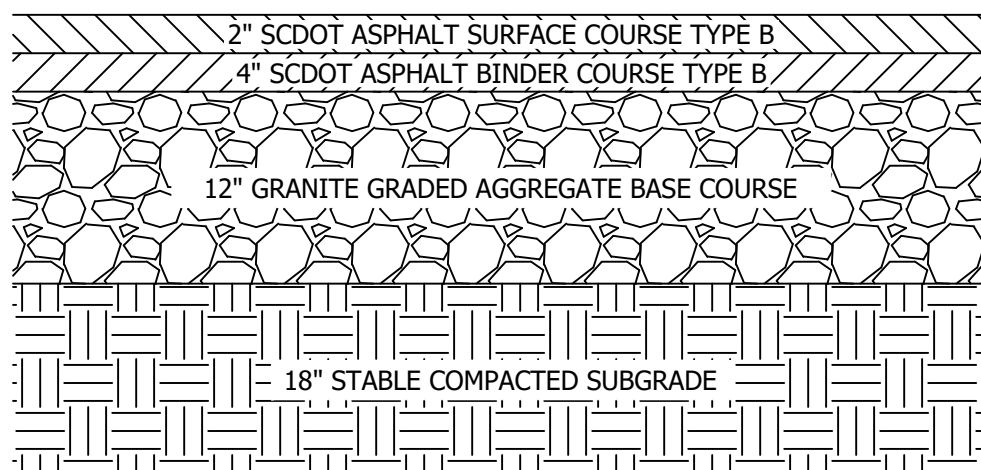
drg



- NOTES
1. DEPTH AND WIDTH MAY VARY WITH LOCATION AND ELEVATION.

WET POND TYPICAL SECTION		
G#	N.T.S.	07/XX/19
DEVELOPMENT RESOURCE GROUP, LLC		

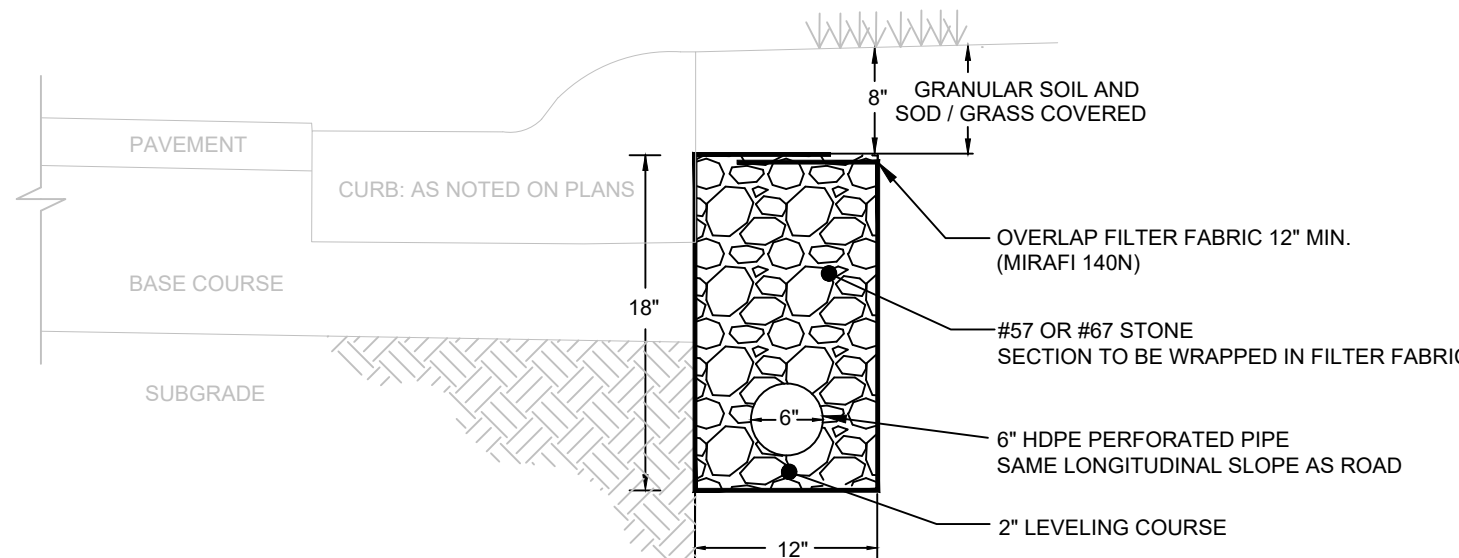
drg



- NOTES
1. ALL MATERIALS SHALL MEET APPLICABLE STANDARDS SET FORTH IN THE SCDOT CONSTRUCTION STANDARDS LATEST EDITION.
 2. SUBGRADE SHALL BE FREE OF ALL ROCKS AND DEBRIS LARGER THAN 1" DIAMETER AND SHALL BE COMPACTED TO 95% MODIFIED PROCTOR. CERTIFIED COMPACTION TESTS MUST BE SUBMITTED TO THE ENGINEER PRIOR TO APPLICATION OF ANY BASE MATERIAL (TO BE DETERMINED IN THE FIELD BY THE ENGINEER).
 3. GABC SHALL BE COMPACTED TO 100% MODIFIED PROCTOR.

SCDOT TURN LANE ASPHALT PAVEMENT SECTION		
R#	N.T.S.	07/XX/19
DEVELOPMENT RESOURCE GROUP, LLC		

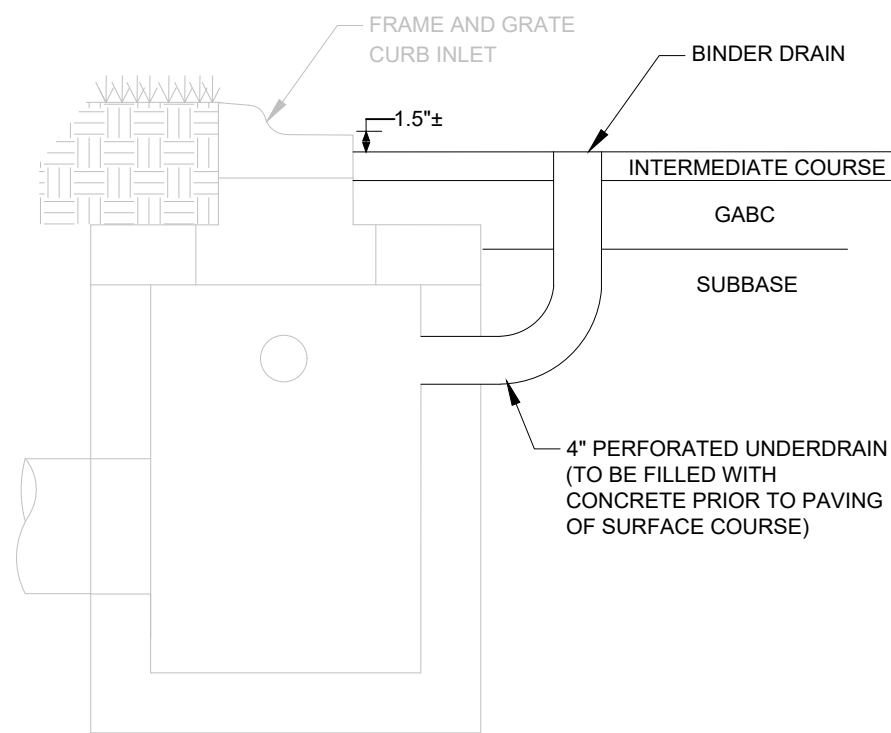
drg



- NOTES
1. SLOPE SUBDRAIN SAME AS ROAD AND TIE INTO NEAREST STORM DRAIN CATCH BASIN/CURB INLET.
 2. UNDERDRAINS ARE TO BE INSPECTED PRIOR TO COVERING.
 3. SUBDRAIN SHALL NOT BE INSTALLED BELOW THE AVERAGE POND ELEVATION AND SHALL BE INSTALLED ABOVE THE NORMAL WATER ELEVATION OF NEARBY PONDS.
 4. THE UNDERDRAINS WILL BE CONNECTED STRAIGHT INTO AND OUT OF THE CATCH BASINS. NO 'T'S' WILL BE ALLOWED INTO THE CATCH BASINS
 5. UNDERDRAIN SHALL BE INSTALLED BEHIND CURB AND MEDIANS, ALONG ENTIRE LENGTH OF ROAD.
 6. ALL UNDERDRAIN SHALL BE INSTALLED MIN. 6" ABOVE POND NWL

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

drg



INTERMEDIATE / BASE COURSE BINDER DRAIN		
D#	N.T.S.	07/XX/19
DEVELOPMENT RESOURCE GROUP, LLC		

drg

drg

DEVELOPMENT RESOURCE GROUP, LLC
1101 JOHNSON AVENUE, SUITE 300A
MYRTLE BEACH, SC 29577
843-839-3350 | DRGPLLC.COM



DETAILS - 2
PEE DEE ELEMENTARY

PREPARED FOR:

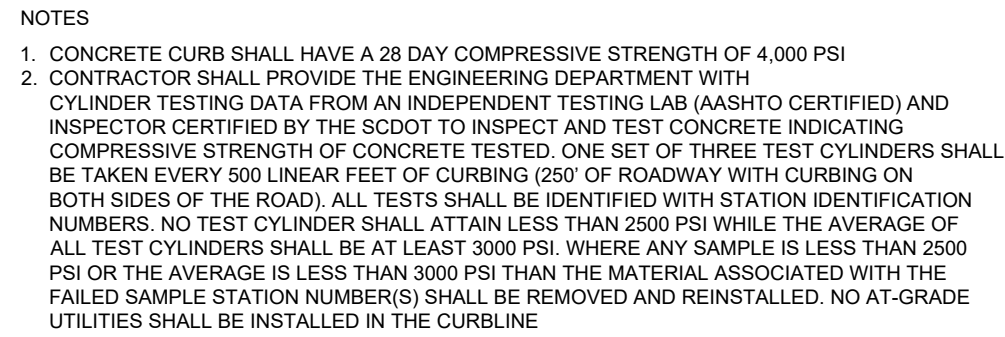
HORRY COUNTY SCHOOLS
1160 EAST HIGHWAY 501
CONWAY, SC 29526
843-468-6867

BID SET

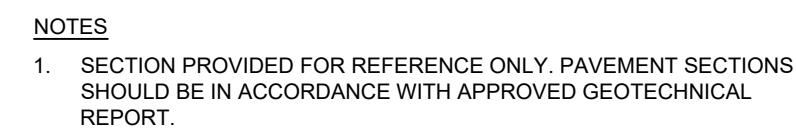
JOB NO: 20.120
SCALE: N.T.S.
DRAWN BY: BJW
CHECKED BY: WAG
APPROVED BY: WAG
DATE: 05/14/2020

SHEET NUMBER:

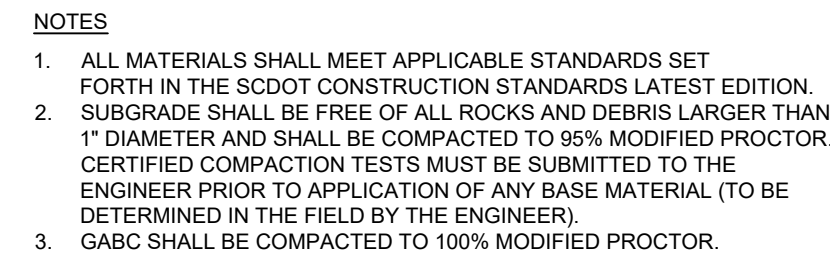
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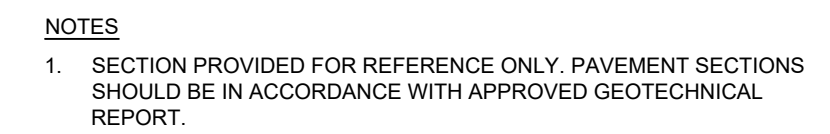
18" EXPULSION CURB
N.T.S.
DEVELOPMENT RESOURCE GROUP, LLC



LIGHT DUTY ASPHALT PAVEMENT SECTION		
R#	N.T.S.	07/XX/11
DEVELOPMENT RESOURCE GROUP, LLC		



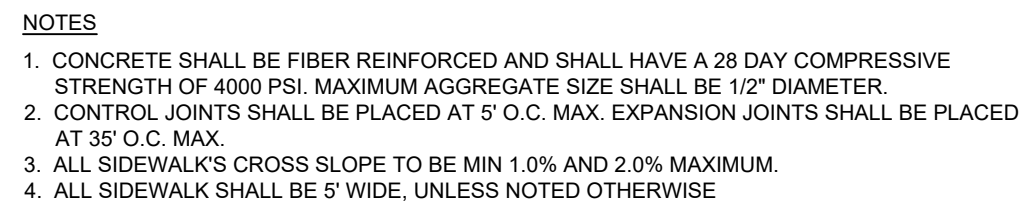
SCDOT RIGHT OF WAY ASPHALT PAVEMENT SECTION		
R#	N.T.S.	07/XX/15
DEVELOPMENT RESOURCE GROUP, LLC		



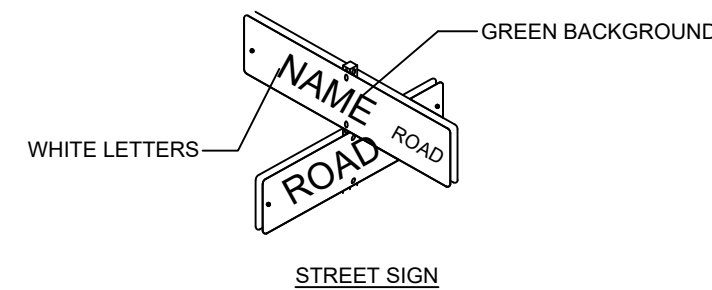
HEAVY DUTY ASPHALT PAVEMENT SECTION		
R#	N.T.S.	07/XX/1
DEVELOPMENT RESOURCE GROUP, LLC		



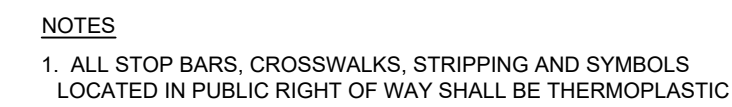
PARKING BUMP STOP		
R#	N.T.S.	11/5/15
DEVELOPMENT RESOURCE GROUP, LLC		



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



SIGNAGE		
M#	N.T.S.	07/XX/15
DEVELOPMENT RESOURCE GROUP, LLC		



STOP BAR		
R#	N.T.S.	07/XX/1
DEVELOPMENT RESOURCE GROUP, LLC		

S20-1-30

When double stacking on school grounds requires that two lanes merge to one when picking up or dropping off students, S20-1-30 may be used to help provide an orderly merging condition.

