

CONSTRUCTION PHASING		
PHASE	START DATE	COMPLETION DATE
1	-	-

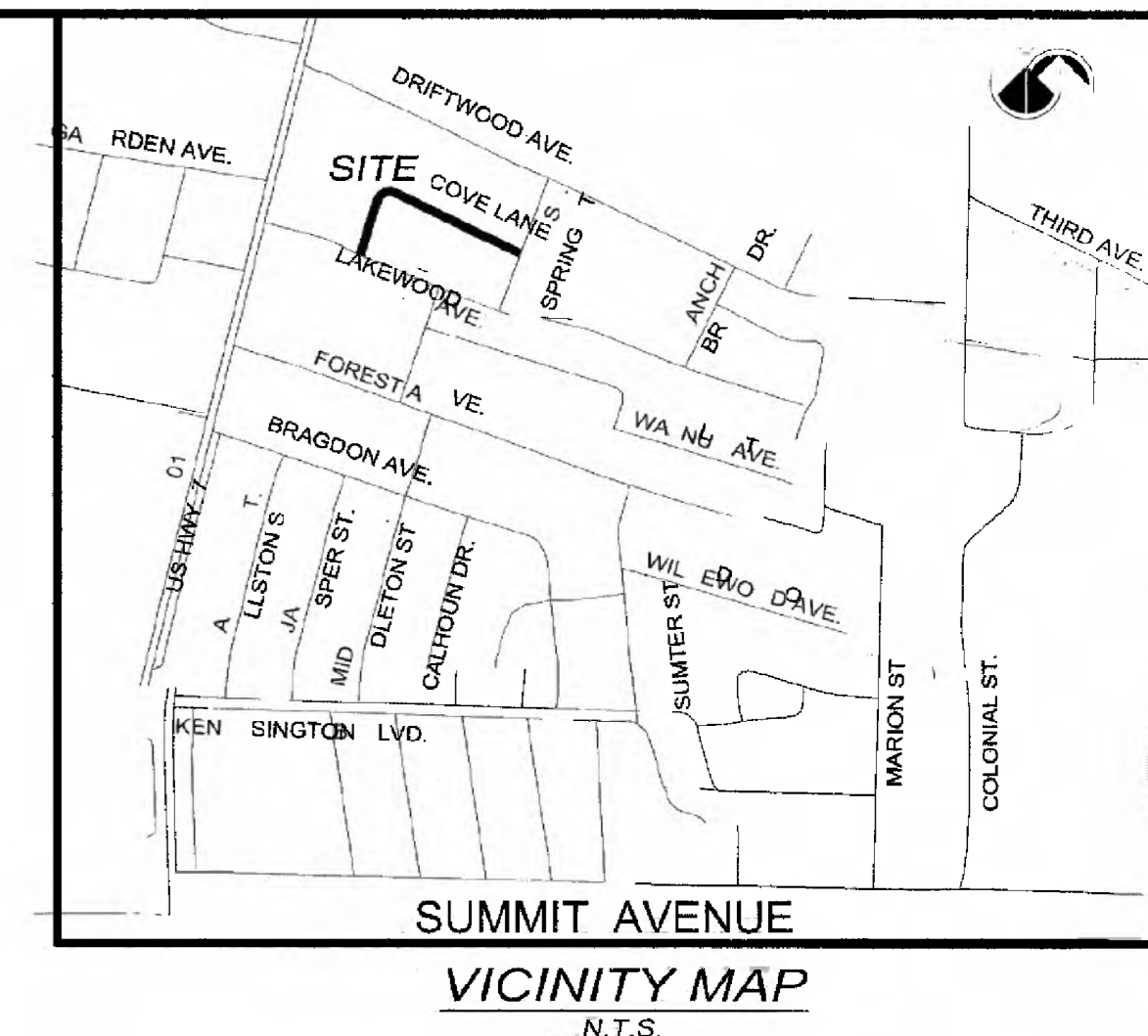
Construction Plans

for

GEORGETOWN COUNTY

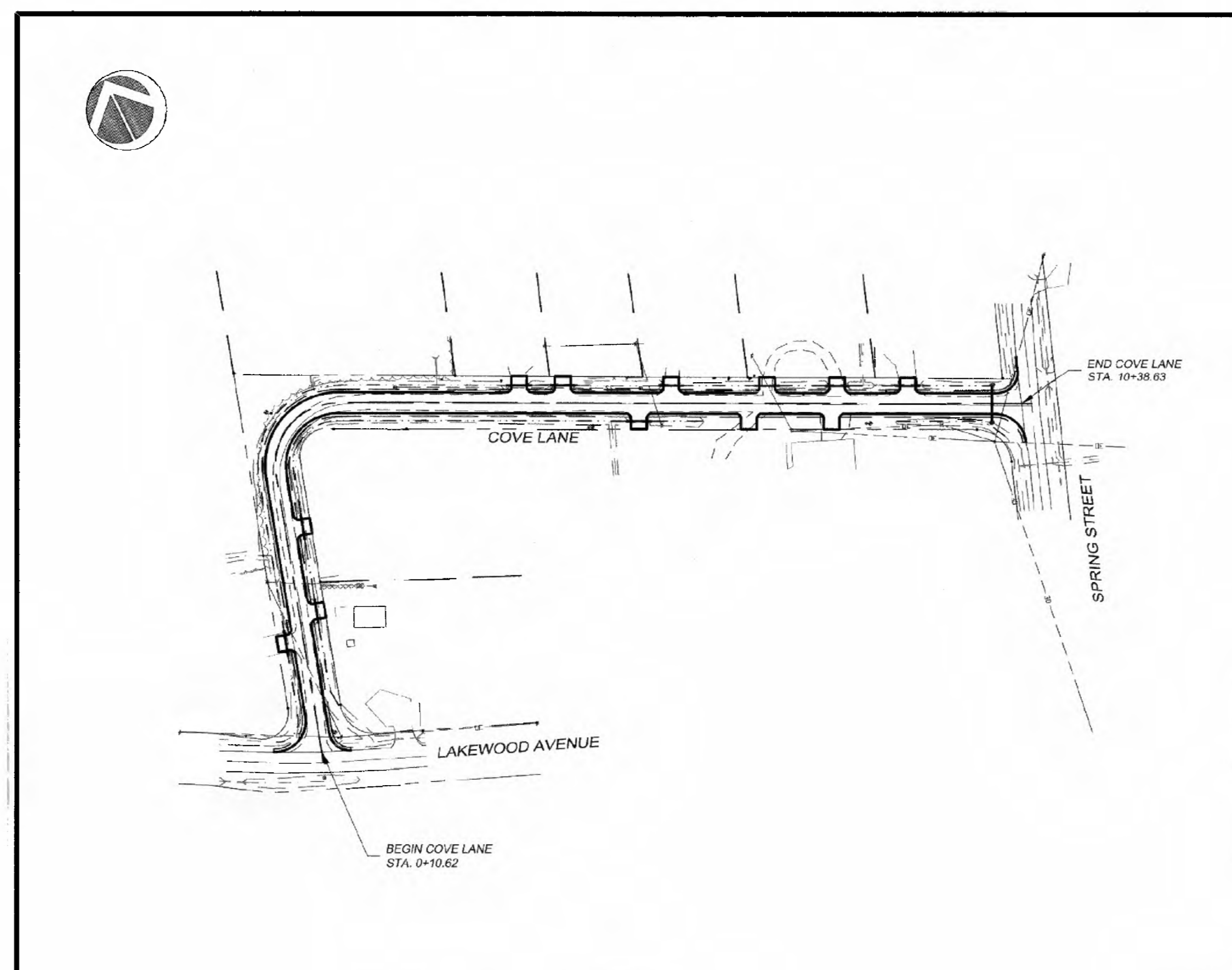
DIRT ROAD IMPROVEMENTS

COVE LANE



GENERAL NOTES:

- PROVISIONS SHALL BE MADE TO ENSURE POSITIVE DRAINAGE ON THE SITE AT ALL TIMES. NATURAL DRAINAGE FEATURES DISTURBED BY CONSTRUCTION MUST BE RE-ESTABLISHED. NO PONDING DUE TO SPOILS STOCKPILING OR OTHER ACTIVITIES SHALL BE PERMITTED.
- WORK WITHIN PUBLIC RIGHT-OF-WAYS OR PRIVATE EASEMENTS SHALL BE ACCOMPLISHED BY THE CONTRACTOR ACCORDING TO THE REQUIREMENTS OR CONDITIONS OF THE ENCROACHMENT PERMIT OR OTHER LEGAL DOCUMENTS AS THOUGH DOCUMENTS WERE ISSUED IN THE CONTRACTOR'S NAME. THE CONTRACTOR SHALL MAINTAIN COPIES OF THESE DOCUMENTS ON THE SITE AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES AND FOR REPAIRING ANY DAMAGE TO SAME. UTILITY LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES THAT MAY HAVE SERVICE IN THE AREA FOR AN ACCURATE LOCATION PRIOR TO BEGINNING WORK.
- WHEN THE CONTRACTOR IS UNABLE TO COMPLETE HIS WORK AS SHOWN ON THE PLANS BECAUSE OF AN EXISTING UTILITY, THE CONTRACTOR SHALL STAKE THE LOCATION OF THE UTILITY PRIOR TO PROCEEDING AND CONTACT THE ENGINEER.
- THE CONTRACTOR SHALL NOTIFY ALL PUBLIC AGENCIES, THE OWNER, THE ENGINEER AND ALL OTHER CONCERNED PARTIES WHEN CONSTRUCTION IS TO COMMENCE. PRIOR TO ANY CONSTRUCTION, A PRE CONSTRUCTION MEETING SHALL BE HELD WITH THE COUNTY, THE CONTRACTOR, THE ENGINEER AND ANY OTHER INTERESTED PARTY.
- DATA REQUIRED FOR PREPARATION OF AS-BUILT DRAWINGS SHALL BE OBTAINED BY THE CONTRACTOR AT THE TIME OF INSTALLATION. THIS DATA SHALL BE ACCUMULATED BY THE CONTRACTOR DURING THE CONSTRUCTION PERIOD AND BE SUBMITTED TO THE ENGINEER IN A NEAT AND LEGIBLE MANNER AFTER COMPLETION OF THE PROJECT.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE FEDERAL, SOUTH CAROLINA AND LOCAL ORDINANCES, REGULATIONS, SPECIFICATIONS AND PERMITS. THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ALL LICENSES AND PERMITS AS REQUIRED.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO GRADING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SILT BARRIERS AND SEDIMENT CONTROL INSTALLATIONS DURING CONSTRUCTION UNTIL COMPLETION OF THE SITE DEVELOPMENT.
- ALL DISTURBED AREAS SHALL BE GRASSED AND STABILIZED IMMEDIATELY AFTER FINAL GRADING, AS PER THE GRASSING SPECIFICATIONS.
- ALL SLOPES SHALL BE HYDROSEEDDED, AS PER THE GRASSING REQUIREMENTS AND SCDOT SPECIFICATIONS.
- ON ALL SLOPES, THE CONTRACTOR SHALL PROTECT AGAINST WASHOUTS BY AN APPROVED METHOD. ANY WASHOUT WHICH OCCURS SHALL BE REGRADED AND RESEEDDED AT THE CONTRACTOR'S EXPENSE UNTIL ESTABLISHED GRASSING MEETS SEDIMENT AND EROSION REQUIREMENTS AND IS FIELD VERIFIED BY THE ENGINEER'S CONSTRUCTION MANAGER.
- THE CONTRACTOR SHALL INSTALL AND MAINTAIN SILT BARRIERS AROUND ALL DRAINAGE STRUCTURES UNTIL ALL CONSTRUCTION HAS BEEN COMPLETED.
- ADDITIONAL EROSION CONTROL MEASURES WILL BE EMPLOYED WHERE DETERMINED NECESSARY BY ACTUAL SITE CONDITIONS.
- PROVISIONS TO PREVENT EROSION OF SOIL FROM THE SITE SHALL BE, AT MINIMUM, IN CONFORMANCE WITH THE REQUIREMENTS OF GEORGETOWN COUNTY AND SCDHEC-OCRM DEALING WITH EROSION AND SEDIMENTATION.
- PERPETUAL MAINTENANCE OF THE ROADWAY AND STORM DRAINAGE SYSTEM SHALL BE THE RESPONSIBILITY OF GEORGETOWN COUNTY.
- CONTRACTOR IS RESPONSIBLE FOR RELOCATING EXISTING ROADWAY SIGNS, MAILBOXES AND FENCES AS NECESSARY.
- CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL EXISTING SIGNS HAVE REFLECTIVITY TYPE 3. ANY SIGNS NOT HAVING REFLECTIVITY TYPE 3 SHALL BE REPLACED BY THE CONTRACTOR AS INSTRUCTED BY THE ON-SITE ENGINEER. ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE MUTCD AND SCDOT STANDARD DRAWINGS.
- ALL CONCRETE DRIVEWAYS SHALL BE SAWCUT AT THE TIE IN LOCATION AS DIRECTED BY THE ENGINEER.
- THE STANDARD DRIVEWAY WIDTH IS 15' WITH A 5' RADIUS UNLESS OTHERWISE NOTED IN THE PLANS, OR AS DIRECTED BY THE ENGINEER.
- WORK AND MATERIAL FOR THIS PROJECT SHALL CONFORM WITH SPECIFICATIONS IN THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2007) AND BOOK OF STANDARD DRAWINGS FOR ROAD CONSTRUCTION DRAWINGS.
- WHERE STORM PIPES AND STRUCTURES ARE IDENTIFIED TO BE ABANDONED IN PLACE, THE FOLLOWING PROCEDURES SHALL BE UTILIZED. PIPES: PLUG END(S) WITH BRICK AND GROUT. STRUCTURES: REMOVE RIM/COVER AND CONE OR TOP SLAB. PLUG PIPE OPENINGS WITH BRICK AND GROUT. FILL STRUCTURE WITH FLOWABLE FILL TO BOTTOM OF PAVEMENT SECTION. TEMPORARY ASPHALT AS NEEDED. ANY COSTS ASSOCIATED WITH ABANDONING PIPES OR STRUCTURES SHALL BE INCLUDED IN THE COST OF PLACING NEW PIPE OR STRUCTURES ACCORDINGLY.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, STORM DRAINS, UTILITIES AND OTHER FACILITIES TO REMAIN AND SHALL REPAIR OR COORDINATE WITH UTILITY OWNERS TO REPAIR ANY DAMAGES DUE TO CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE OWNER.



SITE LAYOUT

SCALE: 1" = 100'

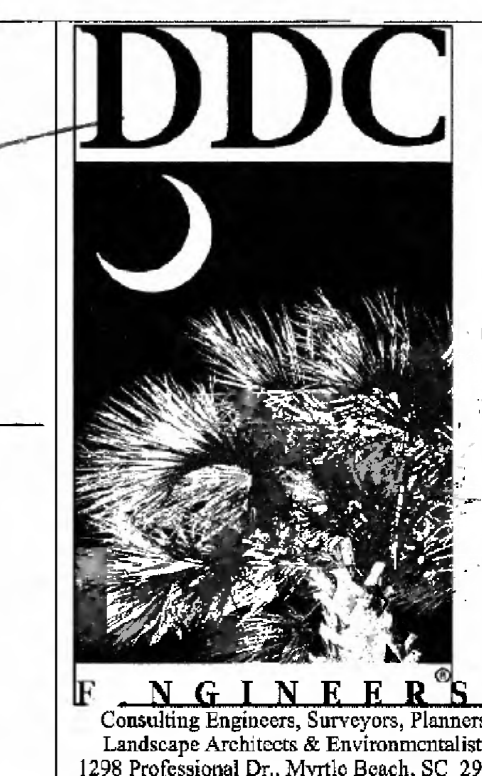
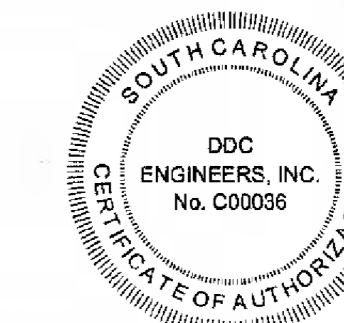
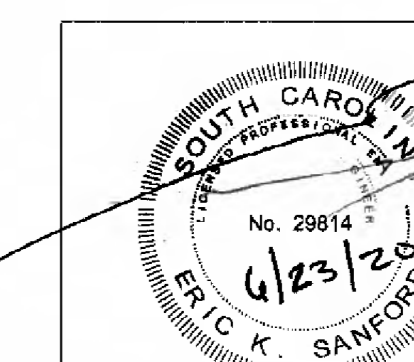
Owner:
 GEORGETOWN COUNTY
 P.O. BOX 421270
 GEORGETOWN, SC 29442-4200

REVISION OCCURRENCE LIST			
REVISION NO.	DATE	REVISION DESCRIPTION	BY
5	6/25/20	SCDOT COMMENTS 2	JBE
4	6/23/20	SCDOT COMMENTS	JBE
3	6/10/20	INCREASED PIPE SIZE PER GEORGETOWN COUNTY	JBE
2	10/9/18	SCDHEC COMMENTS	DRJ
1	8/22/18	GEORGETOWN COUNTY REVIEW	DRJ

SHEET TITLE	SHEET NUMBER	ORIGINAL DATE	REVISION DATE
COVER SHEET	1	July 13, 2018	June 23, 2020
GENERAL NOTES AND LEGEND	2	July 13, 2018	October 9, 2018
SCDOT STANDARD NOTES	3	June 22, 2020	-
COVE LANE PLAN AND PROFILE	4	July 13, 2018	June 25, 2020
COVE LANE PLAN AND PROFILE	5	July 13, 2018	June 25, 2020
COVE LANE CROSS SECTIONS	6	July 13, 2018	August 22, 2018
COVE LANE CROSS SECTIONS	7	July 13, 2018	August 22, 2018
COVE LANE CROSS SECTIONS	8	July 13, 2018	August 22, 2018
SEDIMENT AND EROSION CONTROL DETAILS	9	July 13, 2018	-
MISCELLANEOUS DETAILS	10	July 13, 2018	June 23, 2020
STANDARD DRAWING (WORKZONE OPERATIONS)	610-005-20	June 23, 2020	-
STANDARD DRAWING (MOUNTING DETAILS)	651-110-00	June 23, 2020	-

* This set is current through sheet dated June 23, 2020.

3 DAYS BEFORE DIGGING IN
 SOUTH CAROLINA
CALL 811
 www.sc811.org
 PALMETTO UTILITY LOCATION SERVICE



SCDHEC STANDARD 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.
- 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 CANT 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.

CONSTRUCTION SEQUENCE:

- LOCATE ALL EXISTING UTILITIES IN PROJECT AREA.
- INSTALL CONSTRUCTION ENTRANCE.
- INSTALL PERIMETER EROSION CONTROL DEVICES / SILT FENCE.
- CLEAR & GRUB SITE.
- EXCAVATE DITCHES, ROUGH GRADE SUBBASE, INSTALL ROADWAY BASE MATERIAL AND SEED DITCH BANKS.
- CONSTRUCT STORM DRAINAGE WITH INLET PROTECTION.
- PAVE ROADWAY AND INSTALL SIGNAGE.
- STABILIZE SITE AFTER CONSTRUCTION IS COMPLETE.
- UPON APPROVAL BY SC DHEC / OCRM, REMOVE ALL TEMPORARY EROSION CONTROL DEVICES.

SEEDING SCHEDULE FOR TEMPORARY VEGETATION			
SCHEDULE NO.	COMMON NAME OF SEED	RATE PER ACRE (LBS.)	PLANTING DATES
1	COMMON BERMUDA (H4LEED)	210	MARCH 16 TO AUG. 31
	TALL FESCUE	140	
2	COMMON BERMUDA (H4H4LEED)	175	SEPT. 1 TO MARCH 15
	ANNUAL RYEGRASS	175	

NOTES:

GIANT BERMUDA SEED, INCLUDING NK-37, SHALL NOT BE USED.

THE CONTRACTOR SHALL OBTAIN A SATISFACTORY STAND OF PERENNIAL VEGETATION WHOSE ROOT SYSTEM SHALL BE DEVELOPED SUFFICIENTLY TO SURVIVE DRY PERIODS AND WINTER WEATHER, AND BE CAPABLE OF RE-ESTABLISHMENT IN THE SPRING. THE PERENNIAL VEGETATIVE COVER SHALL HAVE A MINIMUM COVERAGE DENSITY OF 70% FOR THE SEEDBED AREAS. CONTRACTOR SHALL DETERMINE ALL RATES OF APPLICATION NECESSARY TO PRODUCE THE REQUIRED STAND OF GRASS, AND SHALL FOLLOW THE APPLICATION PROCEDURES AS SPECIFIED HEREIN.

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		RIGHT-OF-WAY
		CENTERLINE
		EASEMENT
		SWALE / DITCH
		TREES
		TREE LINE
		PAVEMENT
		EX. ROAD
		CONTOUR
		SPOT ELEVATION
		MAILBOX
		POWER POLE
		GUY WIRE
		TELEPHONE PEDESTAL
		OVERHEAD ELECTRIC
		UNDERGROUND ELECTRIC
		GAS
		SIGN
		WATER
		WATER VALVE
		WATER VALVE MARKER
		WATER METER
		FIRE HYDRANT
		SANITARY SEWER
		SANITARY SEWER MANHOLE
		GRINDER PUMP STATION
		SANITARY CLEAN OUT
		FORCE MAIN
		STORM DRAIN
		STORM DRAIN STRUCTURE

EROSION CONTROL LEGEND

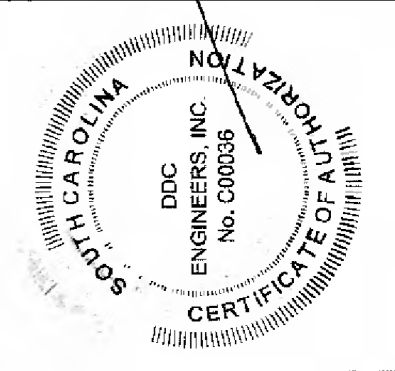
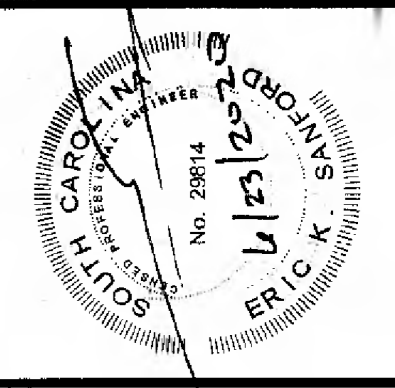
SYMBOL	PRACTICE	DESCRIPTION
	INLET PROTECTION	A TEMPORARY SEDIMENT BARRIER LAID AROUND A STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING THE DRAINAGE SYSTEM.
	OUTLET PROTECTION	RIP RAP CHANNEL / BANK PLACED BELOW DRAINAGE OUTLETS TO REDUCE THE VELOCITY OF FLOW, EROSION, AND STABILIZE GRADES DOWNSTREAM OF OUTLET STRUCTURES.
	TEMPORARY CHECK DAM	RIP RAP BANK PLACED BELOW DRAINAGE OUTLETS TO REDUCE THE VELOCITY OF FLOW, EROSION AND STABILIZE GRADES DOWNSTREAM OF DRAINAGE OUTLETS.
	SILT FENCE	A TEMPORARY STRUCTURE USED TO SLOW THE VELOCITY OF RUN-OFF, CAUSE SEDIMENT DEPOSITION AT THE STRUCTURE, AND FILTER SEDIMENT FROM RUN-OFF.
	CONSTRUCTION LIMITS	A DEFINED AREA THAT ALL LAND DISTURBANCE WILL OCCUR DURING CONSTRUCTION.
	PERMANENT EROSION CONTROL MATTING	A PERMANENT REINFORCEMENT MAT TO PREVENT SOIL EROSION AND MAINTAIN PERMANENT GROUND COVER.
	SEDIMENT TUBE	SEDIMENT TUBE PLACED IN EXISTING OR PROPOSED DITCH SECTIONS TO REDUCE THE VELOCITY OF FLOW, EROSION AND STABILIZE GRADES DOWN STREAM OR DRAINAGE OUTLETS.
	DISTURBED AREA STABILIZATION	ESTABLISHING PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOY, OR LEGUMES ON DISTURBED AREAS.
	CONSTRUCTION ENTRANCE	A STONE STABILIZED PAD LOCATED AT ANY POINT THAT TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE TO A PUBLIC RIGHT-OF-WAY, STREET, ALLEY, SIDEWALK, OR PARKING LOT WHICH WILL REDUCE OR ELIMINATE THE TRANSPORT OF MUD FROM THE CONSTRUCTION SITE.

SEEDING NOTES:

- INCLUDES RURAL AREAS ADJACENT TO WELL-DEVELOPED LAWNs.
- NOT REQUIRED ON SHOULDERS, MEDIANS, ETC., AND SLOPES UNDER 5 FEET IN HEIGHT.
- GIANT BERMUDA SEED, INCLUDING NK-37, SHALL NOT BE USED.
- RESEEDING CRIMSON CLOVER SHALL BE INOCULATED IN ACCORDANCE WITH SUBSECTION 819.05. DO NOT PLANT CLOVER IN MEDIANS OR IN RURAL AREAS ADJACENT TO WELL-DEVELOPED LAWNs.
- PENSACOLA BAHIA SHALL BE ALLOWED ONLY AS SHOWN IN SEEDING SCHEDULES 3 AND 4 AT THE RATE OF 50 POUNDS PER ACRE ONLY WHEN SEEDING PIT AREAS THAT ARE GOVERNED BY THE SOUTH CAROLINA MINING ACT. OTHERWISE, DO NOT INCLUDE BAHIA SEED IN THE MIX.



ENGINEERS
 Consulting Engineers, Surveyors, Planners,
 Landscape Architects & Environmentalists
 1298 Professional Dr., Myrtle Beach, SC 29577
 Phone: (843) 692-3200 Fax: (843) 692-3210



NO.	DATE	REVISION DESCRIPTION	BY
1	10-25-18	SCDHEC COMMENTS	DRU
2	02-22-18	GEORGETOWN COUNTY REVIEW	DRU

GENERAL NOTES, LEGEND AND SHEET SCHEDULE

GEORGETOWN COUNTY DIRT ROAD IMPROVEMENTS
 GEORGETOWN COUNTY, SOUTH CAROLINA

PREPARED FOR: GEORGETOWN COUNTY

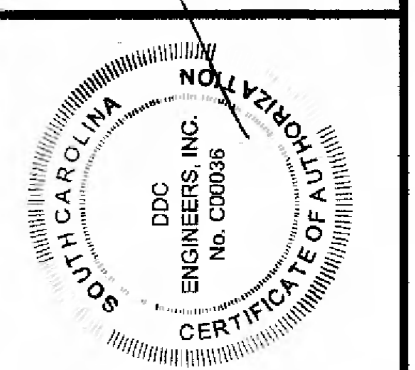
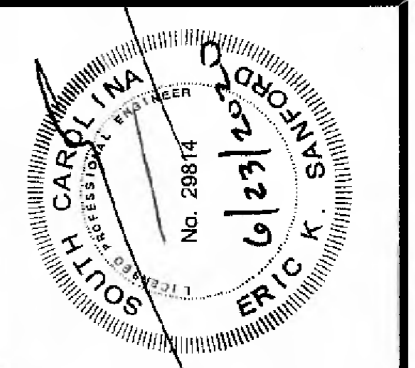
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DATE:	7-13-18
DESIGNED BY:	EKS
DRAWN BY:	PKS
APPROV BY:	EKS
PROJECT NO.:	18009A
2	
FILE NO.:	18009A

SCDOT STANDARD NOTES:

1. THERE CAN BE NO WORK PERFORMED IN THE SCDOT R/W BEFORE AN ENCROACHMENT PERMIT HAS BEEN ISSUED AND A PRECONSTRUCTION MEETING HAS BEEN HELD. THE PROPERTY OWNER AND CONTRACTOR MUST SCHEDULE AND ATTEND THE PRECONSTRUCTION MEETING.
2. ANY WORK PERFORMED BEFORE THE PRECONSTRUCTION MEETING WILL HAVE TAKEN PLACE WITHOUT SCDOT KNOWLEDGE, OVERSIGHT, AND CONSENT AND SHALL BE SUBJECT TO REMOVAL BY THE APPLICANT AND/OR AT THE APPLICANT'S EXPENSE.
3. ANY REVISIONS TO THIS APPROVED PLAN SET MUST HAVE PRIOR, WRITTEN APPROVAL FROM SCDOT OR ARE SUBJECT TO REMOVAL AT THE APPLICANT'S EXPENSE.
4. THE CONSTRUCTION ENTRANCE MUST BE ESTABLISHED AT THE LOCATION DESIGNATED IN THIS PLAN SET AND ACCORDING TO SCDOT TYPICAL 815-805-00. NO ADDITIONAL ENTRANCES OR LOCATIONS OTHER THAN SHOWN IN THIS PLAN SET ARE ALLOWED WITHOUT WRITTEN NOTICE FROM SCDOT. APPROVED CONSTRUCTION ENTRANCE SHALL BE INSTALLED PROPERLY AND SHALL BE MAINTAINED AT ALL TIMES. KEEP ROADWAY PROTECTED AND SWEEP OFF AT ALL TIMES. ANY ADDITIONAL, EXISTING DRIVEWAYS OR CONSTRUCTION ENTRANCES, IF ANY, SHALL BE REMOVED FROM SCDOT RIGHT OF WAY AT NO EXPENSE TO SCDOT.
5. NO DEWATERING ACTIVITIES SHALL BE PERFORMED WITHIN SCDOT R/W OR BRING FORTH WATER TO THE SCDOT RIGHT OF WAY BY DIRECT OR INDIRECT METHODS.
6. POST DEVELOPMENT STORMWATER FLOWS TO THE SCDOT R/W CANNOT EXCEED PREDEVELOPMENT FLOW RATES AT ANY TIME FOR ANY REASON.
7. THE APPLICANT IS SOLELY RESPONSIBLE FOR REPAIRS OF ANY AND ALL DAMAGE TO THE TRAVEL WAY DUE TO ANY WORK ALONG THE FRONTAGE OF THIS SITE, AT NO EXPENSE TO SCDOT AND ALL REPAIRS MUST MEET CURRENT SCDOT STANDARDS.
8. ANY DAMAGE TO THE TRAVEL LANE WILL REQUIRE A FULL DEPTH ASPHALT PATCH AND TOTAL ROADWAY (ALL ADJACENT TRAVEL LANES) ASPHALT OVERLAY. PATCHES LARGER THAN A FEW SQUARE FEET OR EXTENDING PAST 1 FOOT INTO THE TRAVEL LANE SHALL REQUIRE AN OVERLAY OF THE ENTIRE WIDTH OF THE EXISTING TRAVEL WAY FOR 50 FEET BEYOND EACH SIDE OF THE FULL DEPTH PATCH. ALL OF THIS WORK WILL BE SOLELY AT THE EXPENSE OF THE APPLICANT AND MUST MEET CURRENT SCDOT STANDARDS.
9. BEFORE INSTALLATION OF ANY NEW DRIVEWAY, THE EXISTING TRAVEL EDGE MUST BE SAW CUT TO PROVIDE A STRAIGHT AND UNIFORM EDGE ALONG THE MOUTH OF THE PROPOSED DRIVEWAY. CARE MUST BE TAKEN TO NOT TO DAMAGE THE EDGE ONCE CUT. ANY DAMAGE TO THE TRAVEL LANE MUST BE REPAIRED AT THE APPLICANT'S EXPENSE.
10. PAVEMENT SECTION IN THE SCDOT R/W SHALL BE, AT A MINIMUM:
 - a. 8 INCHES OF COMPACTED GABC
 - b. 4 INCHES OF COMPACTED TYPE B BINDER COURSE HOT MIX ASPHALT
 - c. 2 INCHES OF COMPACTED TYPE B SURFACE COURSE HOT MIX ASPHALT
 - SEE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION FOR SURFACE COURSE HOT MIX ASPHALT INSTALLATION TIME AND TEMPERATURE RESTRICTIONS AND THERMO PLASTIC TIME AND TEMPERATURE RESTRICTIONS.
 - OR
 - d. 8 INCHES OF COMPACTED GABC
 - e. 4 INCHES OF 4,000 PSI CONCRETE
 - NO REINFORCEMENT WIRE, REBAR, OR METAL OF ANY KIND IS PERMITTED
11. DRIVEWAY LANES SHALL BE A MINIMUM OF 12 FEET IN WIDTH MEASURED FROM EDGE TO EDGE OF ASPHALT.
12. DRIVEWAY RADII SHALL BE 30 FEET. (UNLESS NOTED OTHERWISE ON THE SCDOT APPROVED PLANS.
13. PAVEMENT MARKINGS SHALL BE THERMOPLASTIC WITH REFLECTIVE BEADS PER SECTION 627 OF THE SCDOT STANDARD SPECIFICATIONS:
 - a. ALL WHITE MARKINGS SHALL BE 125 MIL MINIMUM THICKNESS
 - b. ALL YELLOW MARKINGS SHALL BE 90 MIL MINIMUM THICKNESS
14. ALL PERMANENT SIGNAGE SHALL BE INSTALLED ON BREAKAWAY POSTS PER SCDOT STANDARD DRAWING 651-110-00 AND SHALL HAVE A 7 VERTICAL FOOT CLEARANCE FROM THE GROUND TO THE BOTTOM OF THE SIGN.
15. DRIVEWAYS SHALL BE CONSTRUCTED TO HAVE A MINIMUM OF A 2 FOOT GRASSED SHOULDER ON EACH SIDE OF THE DRIVEWAY THROAT.
16. DITCH SLOPES SHALL BE NO STEEPER THAN 3H:1V.
17. ALL DRIVEWAY CULVERTS SHALL BE INSTALLED AND SEALED ACCORDING TO SCDOT TYPICAL 714-205-01 DETAIL 4 AND 5 WITH AN AASHTO M 315 RUBBER GASKET SEAL, ON PROPER GRADE TO ALLOW FOR POSITIVE STORM WATER FLOW WITHIN THE PIPE AND TO/FROM ADJACENT PIPES/CROSS LINES.
18. ALL CULVERTS INSIDE OF THE SCDOT R/W ARE TO BE INSTALLED WITH BEVELED ENDS PER SCDOT STANDARD DRAWING 719-810-00 AND SEALED PER SCDOT STANDARD DRAWING 714-205-01 AND CANNOT BE COVERED UNTIL AFTER AN INSPECTION BY THE SCDOT INSPECTOR ASSIGNED TO THE PROJECT AT THE REQUIRED SCDOT PRECONSTRUCTION MEETING.
19. LANE CLOSURES ARE REQUIRED FOR ALL WORK WITHIN ONE FOOT OF THE TRAVEL WAY. SEE SCDOT LOCAL MAINTENANCE WORK RESTRICTIONS FOR ADDITIONAL INFORMATION.
20. SHOULDER CLOSURES ARE REQUIRED FOR ALL WORK IN THE SCDOT R/W BEYOND ONE FOOT FROM THE TRAVEL WAY.
21. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SCHEDULE ALL REQUIRED INSPECTIONS IN ADVANCE. IF WORK REQUIRING INSPECTION IS PERFORMED WITHOUT PRIOR NOTICE BEING GIVEN TO SCDOT, THAT INSTALLATION SHALL BE SUBJECT TO REMOVAL AT THE APPLICANT'S EXPENSE. SEVERAL MEANS OF CONTACT WILL BE GIVEN AT THE PRECONSTRUCTION MEETING. FAILURE TO OBTAIN CONTACT IS NOT AN APPROVAL TO PROCEED WITH ANY WORK.
22. NO VEGETATION INSTALLED ON PRIVATE PROPERTY SHALL BLOCK THE SCDOT SIGHT TRIANGLES OR SIGHT DISTANCES FOR MOTORISTS INGRESS OR EGRESSING FROM APPROVED DRIVEWAYS AND/OR ROADWAY INTERSECTIONS. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR KEEPING OFFSITE LANDSCAPINGS PROPERLY MAINTAINED TO IMPROVE ALL SIGHT DISTANCES. THE PROPERTY OWNER SHALL ALSO BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGES TO SIDEWALK, DRIVEWAY OR ROADWAY, UTILITY, DRAINAGE OR OTHER STRUCTURES DAMAGED DUE TO THE INSTALLATION OR EXISTENCE OF OFFSITE LANDSCAPING.
23. THE DEPARTMENT SHALL NOT BE RESPONSIBLE FOR DAMAGE TO ANY UTILITY STRUCTURES LOCATED WITHIN THE RIGHT-OF-WAY AS A RESULT OF ROUTINE HIGHWAY MAINTENANCE OPERATIONS. THESE STRUCTURES INCLUDE BUT ARE NOT LIMITED TO ARV, METERS, VALVES, MANHOLES, ALL TYPE OF PEDESTALS AND UTILITY LINES (OVERHEAD AND/OR UNDERGROUND). THE APPLICANT SHOULD USE MECHANICAL MOWERS TO CUT AROUND THESE TYPE STRUCTURES TO INCREASE VISIBILITY FOR HIGHWAY MAINTENANCE WORKERS.
24. APPLICANT IS RESPONSIBLE FOR THE INSTALLATION AND SECURING OF ANY VALVE OR MANHOLE RISERS AS NEEDED.
25. THE DEPARTMENT SHALL BE HELD HARMLESS FROM AND AGAINST ANY AND ALL CLAIMS, DAMAGES AND LOSSES ASSOCIATED WITH WORK AS APPROVED UNDER THIS PERMIT APPLICATION. ANY SUCH DAMAGE CLAIMS RECEIVED BY THE DEPARTMENT SHALL BE THE RESPONSIBILITY OF THE APPLICANT TO PROCESS ACCORDINGLY. THE HOLD HARMLESS AGREEMENT SHALL BE FOR THE LIFE OF THE FACILITY, STRUCTURE(S) OR ENCROACHMENT AS IT REMAINS WITHIN PUBLIC RIGHT-OF-WAY.
26. APPLICANT IS RESPONSIBLE FOR THE REPAIR OF ANY TRAFFIC SIGNAL LOOPS/WIRES/HEAD/CABINETS IF DAMAGED DUE TO THIS INSTALLATION. ALL WORK SHALL BE APPROVED UNDER THE DIRECTION OF THE SCDOT DISTRICT SIGNAL SHOP AND PERFORMED BY A SCDOT APPROVED SIGNAL CONTRACTOR, AT NO EXPENSE TO THE DEPARTMENT.
27. IF REQUIRED UNDER THE APPROVED SCDOT ENCROACHMENT PERMIT, A THIRD PARTY TESTER SHALL BE REQUIRED AT THE APPLICANT'S EXPENSE TO PERFORM COMPACTION ANALYSIS AND WITNESS A PASSING PROOF ROLL ON ALL SUB-GRADE, BASE, AND ASPHALT. ONE THIRD PARTY INSPECTOR SHALL TAKE DENSITY READINGS AT RANDOM STATION NUMBERS. A SECOND (2ND) THIRD PARTY INSPECTOR/TESTER SHALL BE AT THE ASPHALT PLANT TESTING THE ASPHALT AT THE TIME THAT SURFACE ASPHALT IS BEING PRODUCED AND PUT DOWN ON THE JOB. ONE CORE SAMPLE (LOCATIONS TO BE DETERMINED) SHALL BE TAKEN AND WEIGHED BY THE THIRD PARTY INSPECTOR. ALL RESULTS TO BE SUBMITTED IN WRITING TO SCDOT FOR REVIEW THE FOLLOWING DAY. WINTER WORK RESTRICTIONS AND HOLIDAY WORK RESTRICTIONS MUST BE ADHERED TO. SEE PERMIT FOR MORE DETAILS.
28. AN INSPECTION DATE SHALL BE SET UP IN ADVANCE FOR WHICH THE INSPECTOR WILL COME OUT AND INSPECT THE SIDEWALK FORMS BEFORE POURING CONCRETE. DO NOT LEAVE MORE THAN A 2" DROP OFF UNATTENDED. NO MORE THAN A 2" DROP OFF OR A 3:1 DITCH SLOPE IS PERMITTED ANYWHERE WITHIN THE RIGHT OF WAY DUE TO THE CONSTRUCTION ASSOCIATED WITH THIS SIDEWALK. THE INSTALLATION OF SIDEWALK SHALL BE FLUSH WITH SHOULDER OR HAVE A DRAINAGE INLET BUILT UNDERNEATH TO ALLOW FOR PROPER STORM WATER FLOW. NO WATER SHALL POND IN SHOULDER, ROADWAY, DRIVEWAYS, OR RIGHT OF WAY DUE TO THIS INSTALLATION.
29. ADA MATS (RAISED DETECTABLE WARNING PADS) SHALL BE INSTALLED AS WET INSETS AND AT ROADWAY INTERSECTIONS ONLY.
30. NO VALVES OR OTHER APPURTENANCES IN ROADWAY ASPHALT, WITHIN 5 FEET OF EDGE OF PAVEMENT, OR WITHIN DITCH LINE OR SWALE LINE. APPLICANT SHALL INSTALL 8-16 FEET OF NEW, UNDAMAGED RCP ON PROPER GRADE, FACING THE PROPER DIRECTION, MATCHING THE DIAMETER OF DRIVEWAY AND/OR CROSS LINE UPSTREAM, BUT NOT EXCEEDING THE PIPE DIAMETER DOWNSTREAM, IF THE ABOVE CANNOT BE AVOIDED. INSTALL RIP RAP AROUND ANY EXPOSED PIPES, COVER AND SOD TO MEET SCDOT MINIMUM STANDARDS. CALL SCDOT ENCROACHMENT OFFICE FOR INSPECTION OF PIPE BEFORE COVERING.
31. PROPOSED UTILITY INSTALLATION LOCATED IN SHOULDER AREA SHALL HAVE A MINIMUM COVER OF 42" ACCORDING TO FIGURE 6 OF APPENDIX B. ANY EXPOSED ROOTS TO BE REMOVED OR TRIMMED FLUSH WITH SHOULDER/DITCH.
32. ALL UTILITY ENCROACHMENTS SHALL BE SUBMITTED UNDER A SEPARATE APPLICATION.



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NO.	DATE	REVISION DESCRIPTION	BY

SCDOT STANDARD NOTES

GEORGETOWN COUNTY DIRT ROAD IMPROVEMENTS

GEORGETOWN COUNTY, SOUTH CAROLINA

PREPARED FOR: GEORGETOWN COUNTY

SCALE: NO SCALE

DATE: 6-22-20

DESIGNED BY: EKS

DRAWN BY: PES

APPROV. BY: EKS

PROJECT NO.: 18009A

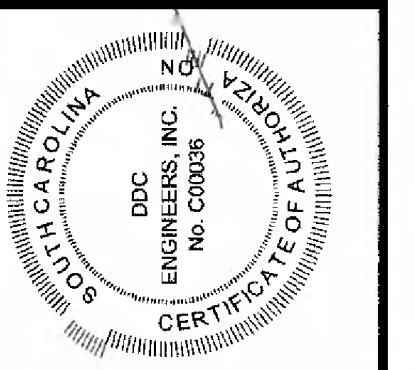
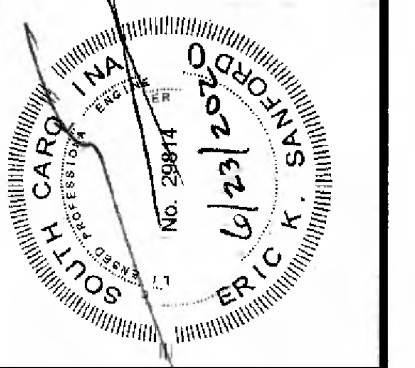
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FILE NO.: 18009A

PLOT SCALE: 1"=1' PLOT FILE: NEW080218.DWG



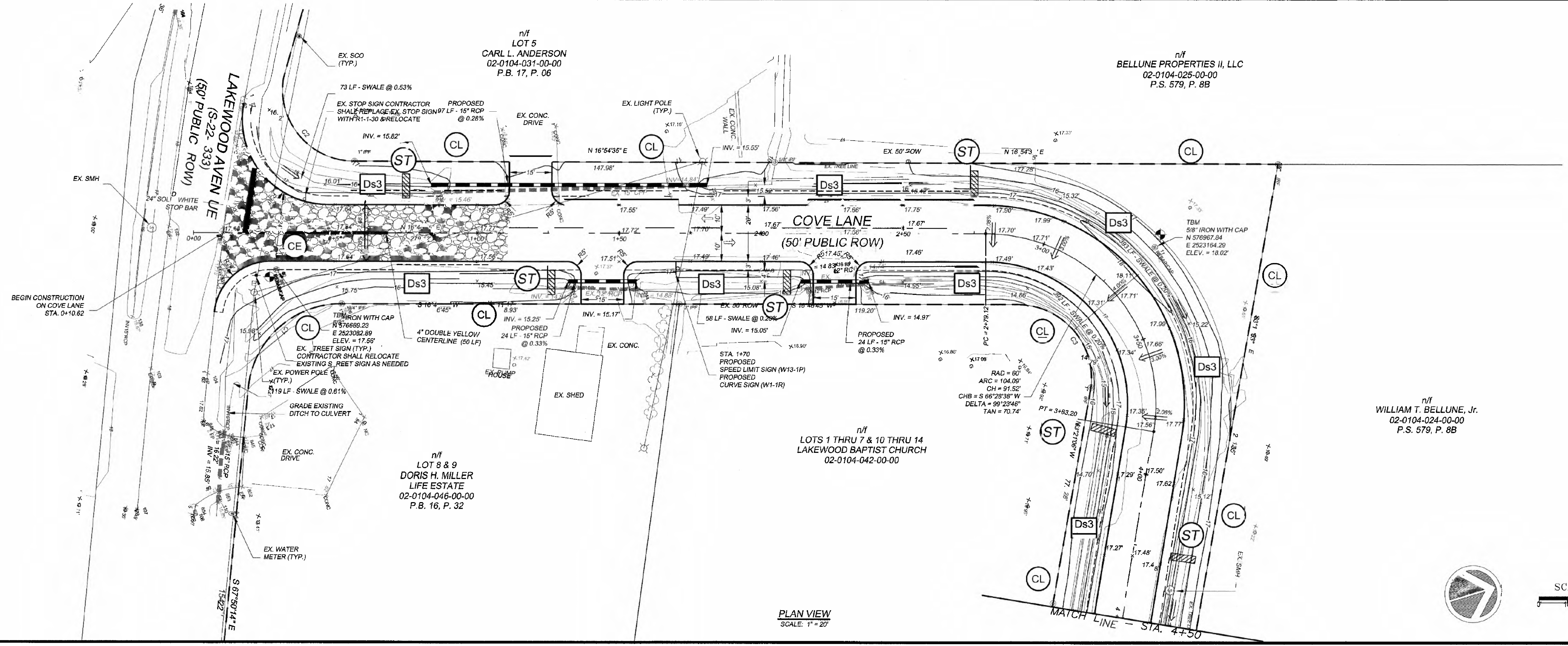
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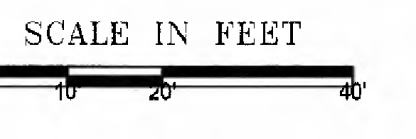
NO.	DATE	REVISION DESCRIPTION	BY
1	04-18-18	REVISION DESCRIPTION	DRJ
2	04-18-18	GEORGETOWN COUNTY REVIEW	DRJ
3	04-18-18	SCHIEFF COMMENTS	JBE
4	04-18-18	INCREASED PIPE SIZE PER GEORGETOWN COUNTY	JBE
5	04-25-20	ADD COMMENTS	JBE

**COVE LANE
 PLAN AND PROFILE**
 GEORGETOWN COUNTY DIRT ROAD IMPROVEMENTS
 GEORGETOWN COUNTY, SOUTH CAROLINA
 PREPARED FOR: GEORGETOWN COUNTY

SCALE: 1" = 20'
 DATE: 7-13-18
 DESIGNED BY: EKS
 DRAWN BY: DRJ
 APPROV. BY: EKS
 PROJECT NO.: 18009A
4
 FILE NO.: 18009A



PLAN VIEW
 SCALE: 1" = 20'



NOTES:

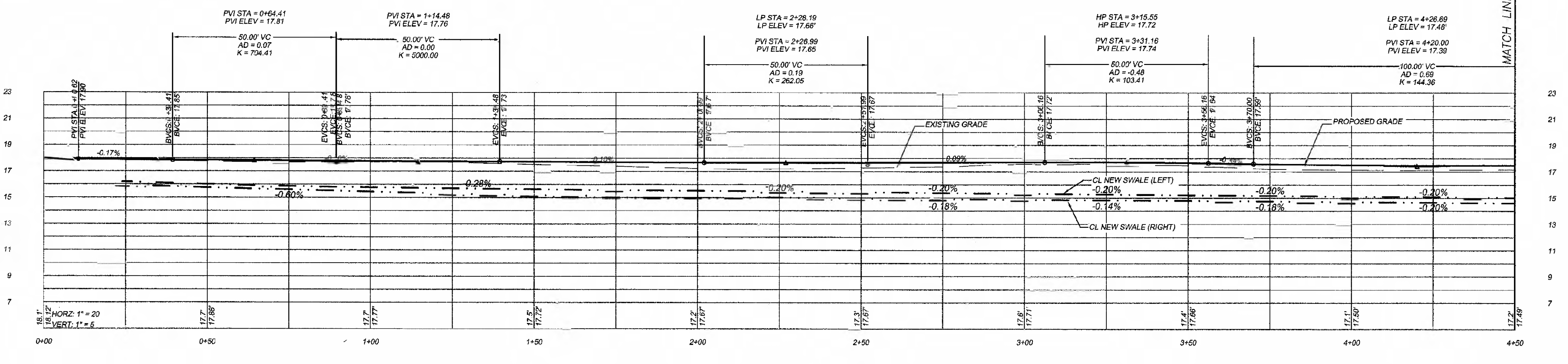
- ALL EXISTING WATER METERS, CATV, PHONE AND POWER UTILITIES IN ROAD EASEMENT SHALL BE RELOCATED BY THE UTILITY COMPANY AT NO COST TO THE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR RELOCATING EXISTING MAIL BOXES AS NECESSARY.
- CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL TREES LOCATED IN ROAD EASEMENT, UNLESS OTHERWISE NOTED.
- SEE GENERAL NOTES, LEGEND AND SHEET SCHEDULE, SHEET 2 FOR EROSION CONTROL LEGEND AND SEEDING SCHEDULE.
- ALL DRIVEWAYS TO BE PAVED A MINIMUM WIDTH OF 15', A RADIUS OF 5', AND PAVED TO THE RIGHT-OF-WAY LIMITS UNLESS OTHERWISE DIRECTED.
- USE TEMPORARY EROSION CONTROL (BLANK) (CLASS C) AS NEEDED TO STABILIZE THE DITCH BANKS.
- THE CONTRACTOR IS TO COORDINATE WITH THE EXISTING UTILITIES ON RAISING AND LEVELING THEIR EXISTING INFRASTRUCTURE THAT IS LOCATED WITHIN THE ROADWAY RIGHT OF WAY. WATER AND SEWER VALVE COVERS, AIR RELEASE VALVES AND BOXES, ETC.
- CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING PIPES WITHIN THE LIMITS OF CONSTRUCTION UNLESS INSTRUCTED OTHERWISE BY THE DESIGN ENGINEER.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF UTILITIES WITH THE UTILITY COMPANIES.

NOTE:

REFER TO STANDARD DRAWINGS SECTION 610-000 FOR FLAGGING, CLOSURE SIGNAGE AND OPERATIONS.

CONSTRUCTION SEQUENCE:

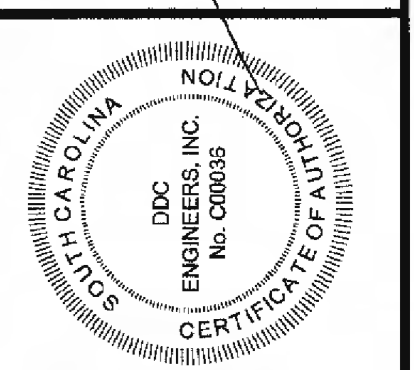
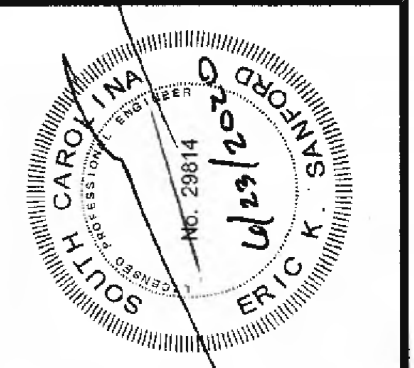
- LOCATE ALL EXISTING UTILITIES IN PROJECT AREA.
- INSTALL CONSTRUCTION ENTRANCE.
- INSTALL PERIMETER EROSION CONTROL DEVICES / SILT FENCE.
- CLEAR & GRUB SITE.
- EXCAVATE DITCHES, ROUGH GRADE SUBBASE, INSTALL ROADWAY BASE MATERIAL AND SEED DITCH BANKS.
- CONSTRUCT STORM DRAINAGE WITH INLET PROTECTION.
- PAVE ROADWAY AND INSTALL SIGNAGE.
- STABILIZE SITE AFTER CONSTRUCTION IS COMPLETE.
- UPON APPROVAL BY SC DHEC / OCRM, REMOVE ALL TEMPORARY EROSION CONTROL DEVICES.



ROADWAY PROFILE
 SCALE:
 HORIZONTAL: 1" = 20'
 VERTICAL: 1" = 5'



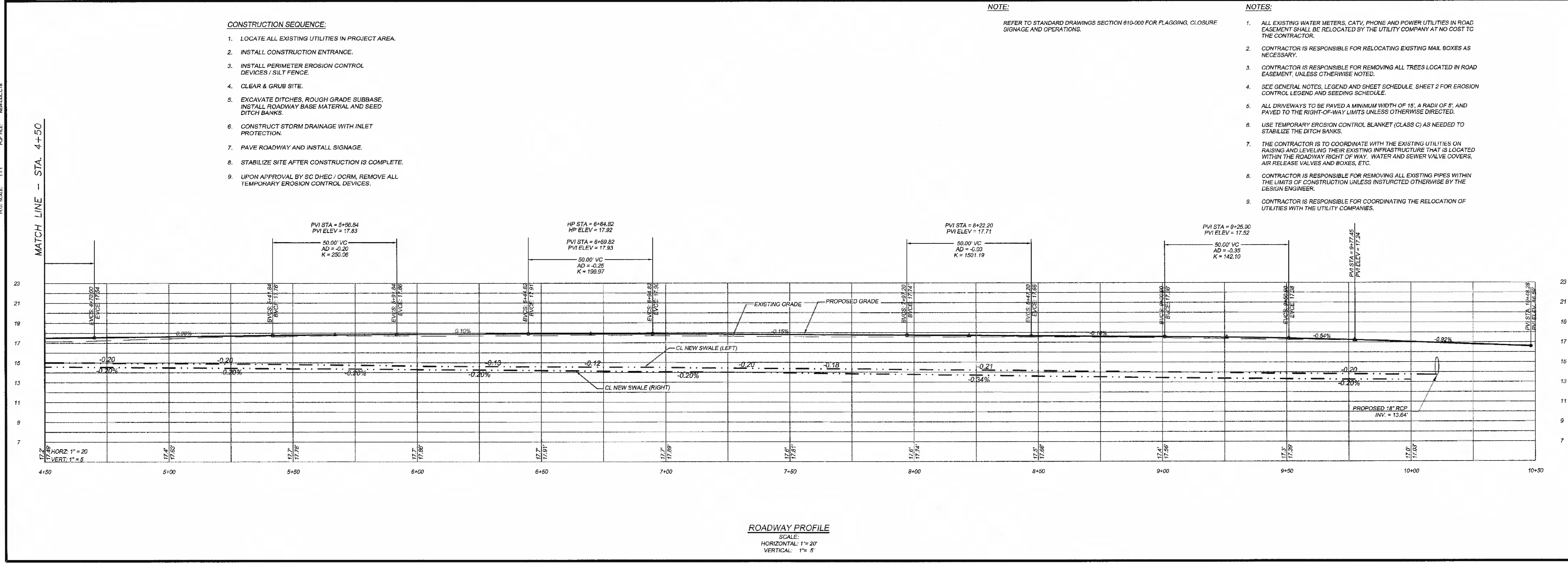
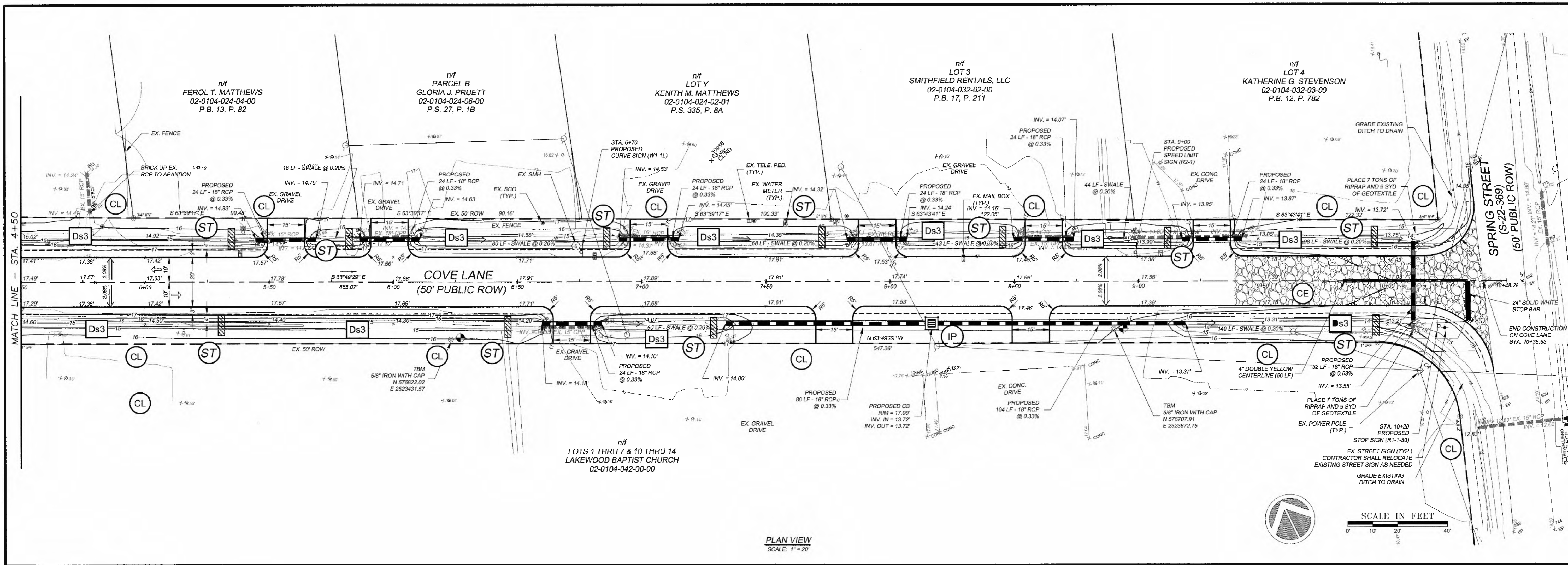
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NO.	DATE	REVISION DESCRIPTION	BY
1	02-11-18	ISSUE FOR PERMIT	CRJ
2	02-11-18	REVISION DESCRIPTION	CRJ
3	02-11-18	REVISION DESCRIPTION	CRJ
4	02-11-18	REVISION DESCRIPTION	CRJ
5	02-11-18	REVISION DESCRIPTION	CRJ

**COVE LANE
PLAN AND PROFILE**
GEORGETOWN COUNTY DIRT ROAD IMPROVEMENTS
GEORGETOWN COUNTY, SOUTH CAROLINA
PREPARED FOR: GEORGETOWN COUNTY

SCALE:	1" = 20'
DATE:	7-13-18
DESIGNED BY:	EKS
DRAWN BY:	CRJ
APPROV. BY:	EKS
PROJECT NO.:	18009A
5	
FILE NO.:	18009A



- CONSTRUCTION SEQUENCE:**
1. LOCATE ALL EXISTING UTILITIES IN PROJECT AREA.
 2. INSTALL CONSTRUCTION ENTRANCE.
 3. INSTALL PERIMETER EROSION CONTROL DEVICES / SILT FENCE.
 4. CLEAR & GRUB SITE.
 5. EXCAVATE DITCHES, ROUGH GRADE SUBBASE, INSTALL ROADWAY BASE MATERIAL AND SEED DITCH BANKS.
 6. CONSTRUCT STORM DRAINAGE WITH INLET PROTECTION.
 7. PAVE ROADWAY AND INSTALL SIGNAGE.
 8. STABILIZE SITE AFTER CONSTRUCTION IS COMPLETE.
 9. UPON APPROVAL BY SC DHEC / OCRM, REMOVE ALL TEMPORARY EROSION CONTROL DEVICES.

NOTE:
REFER TO STANDARD DRAWINGS SECTION 610-000 FOR FLAGGING, CLOSURE SIGNAGE AND OPERATIONS.

- NOTES:**
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DDC ENGINEERS

1" = 1"

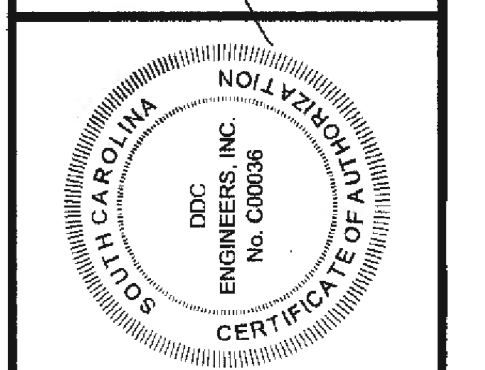
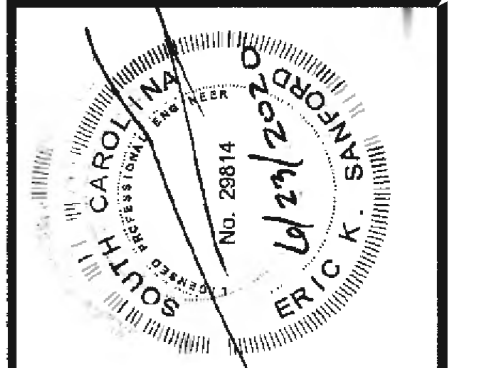
STA. 4+50

1" = 20'

1" = 5'



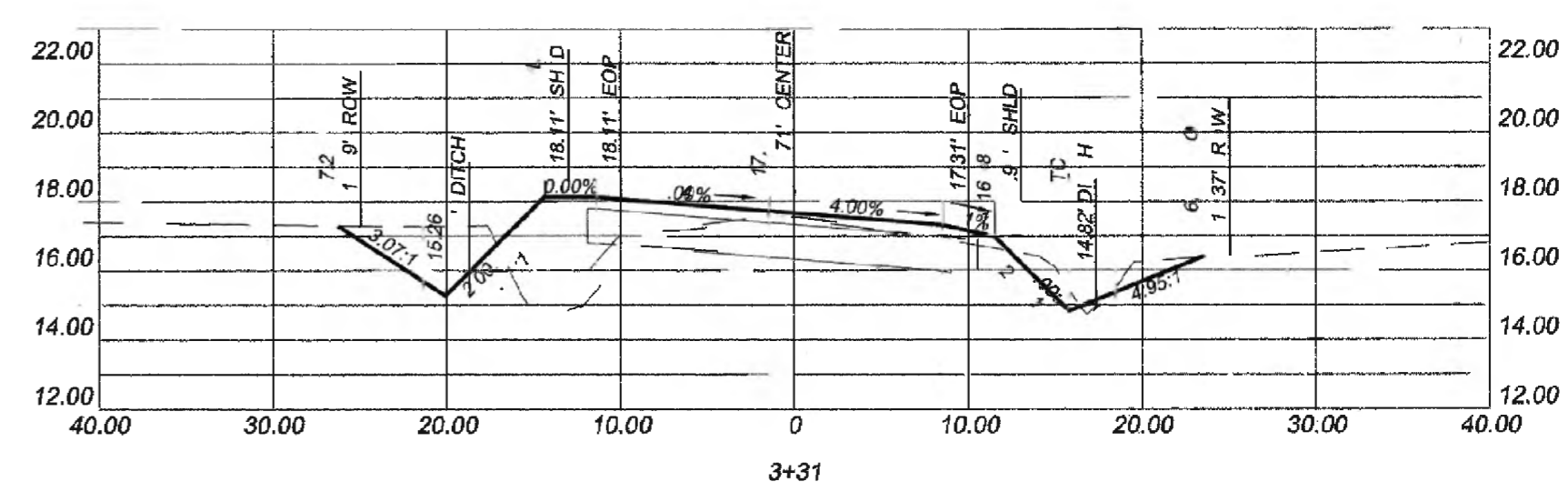
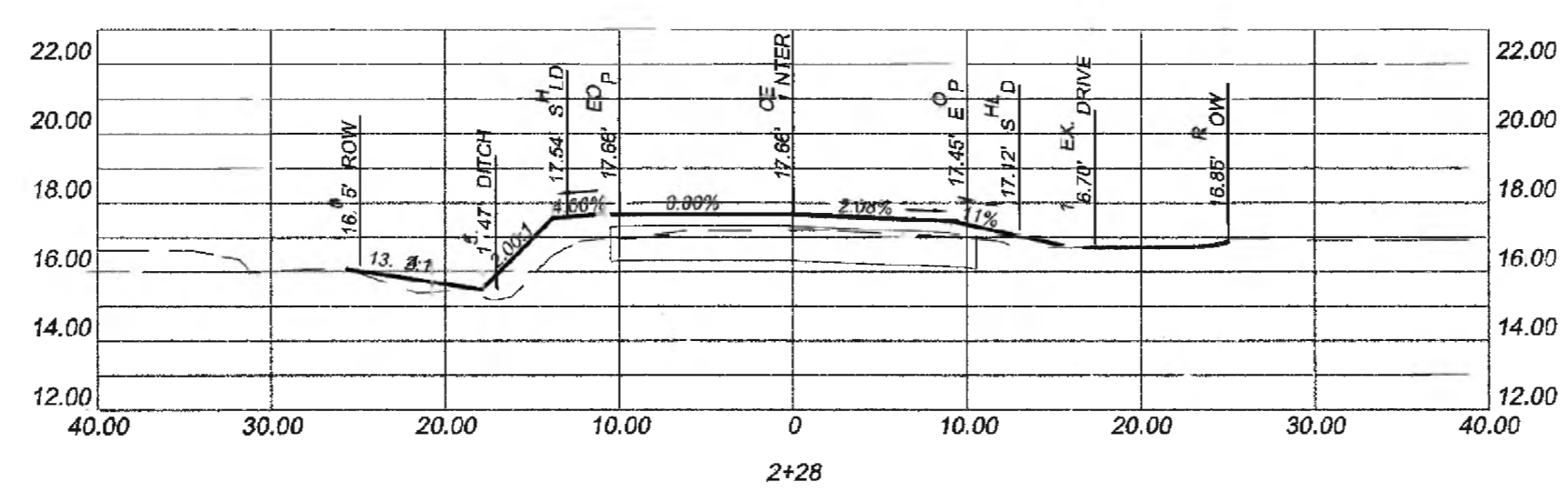
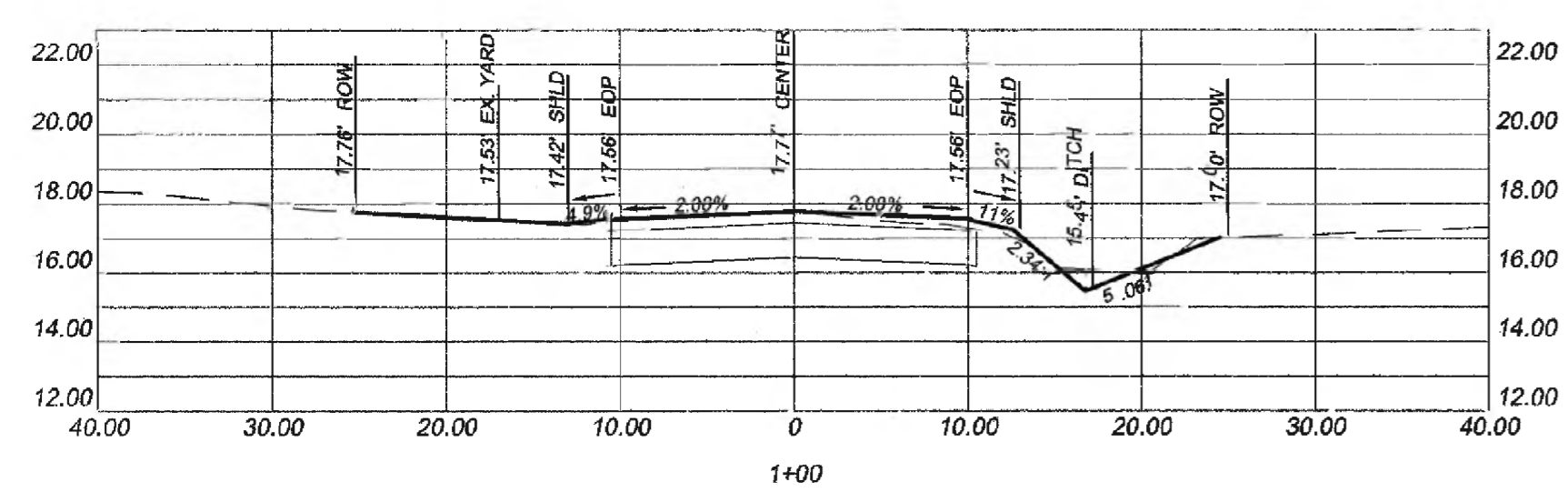
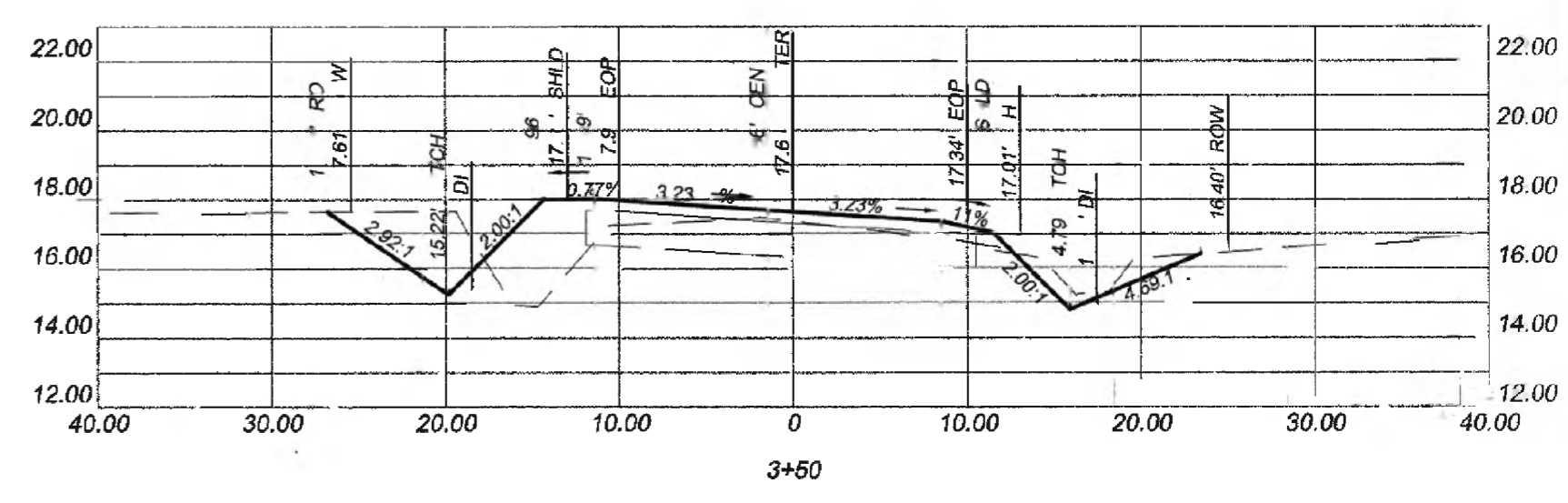
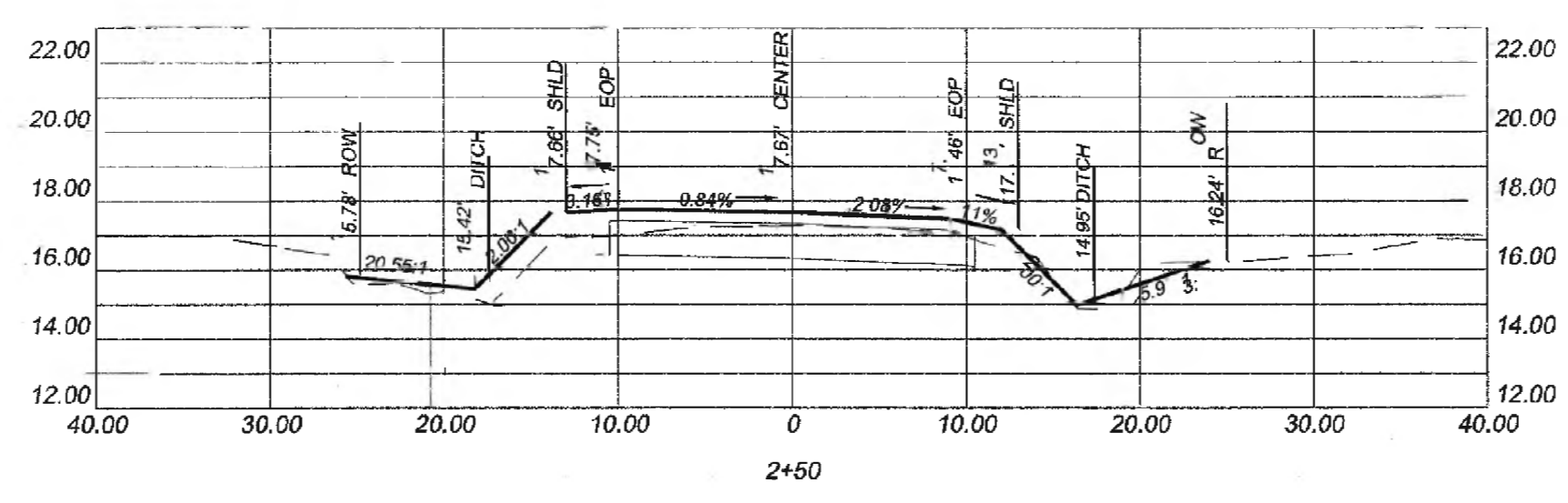
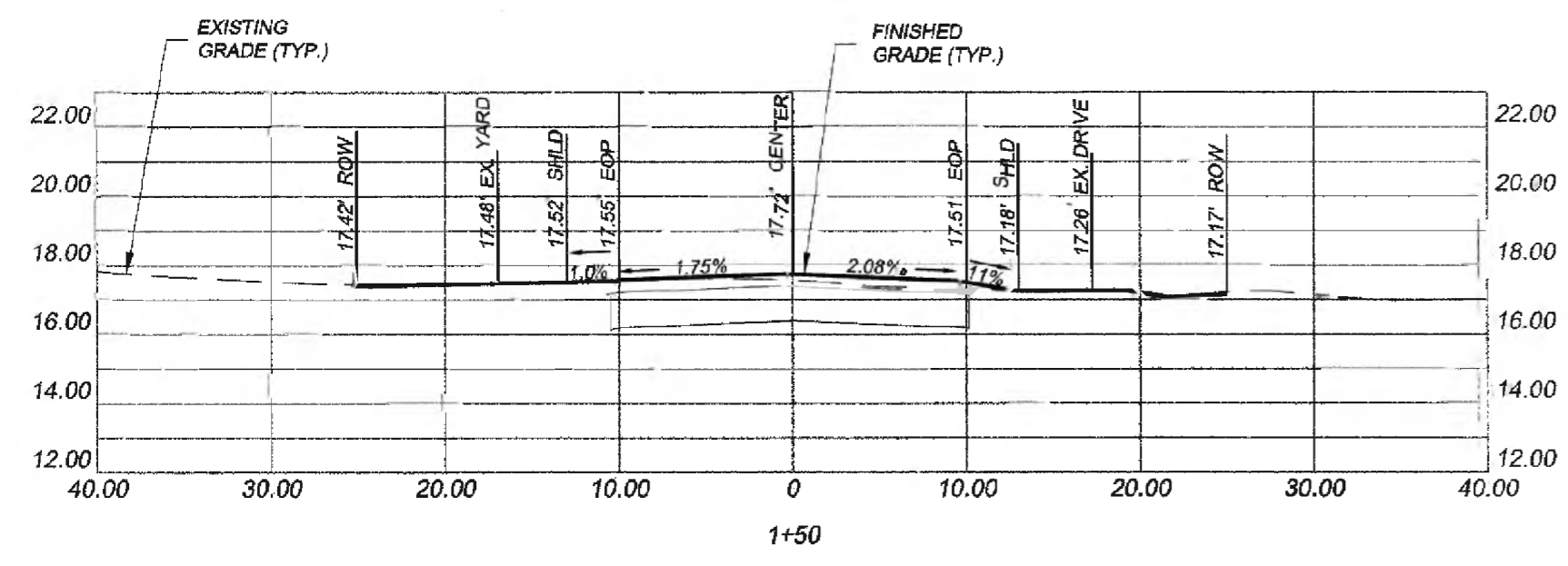
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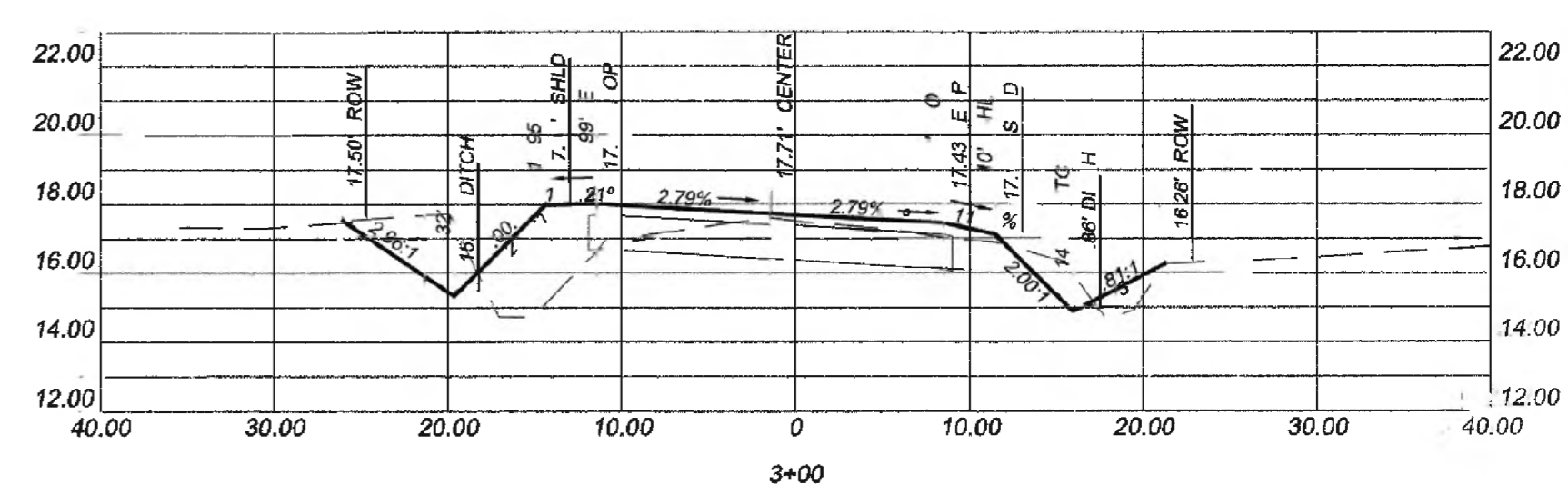
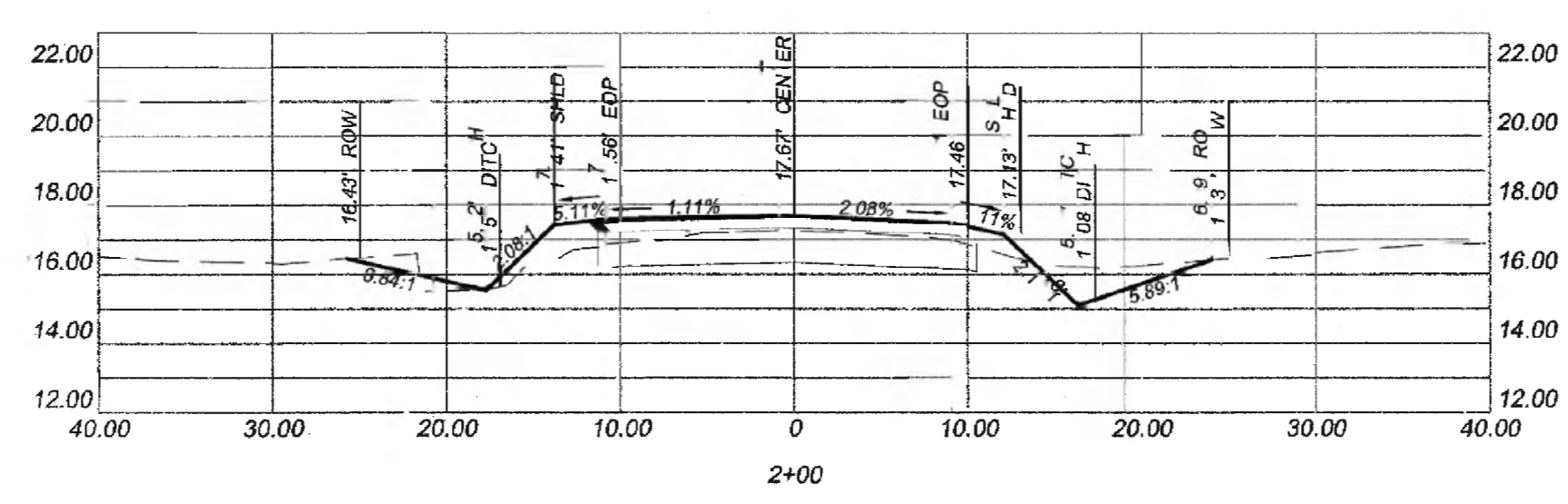
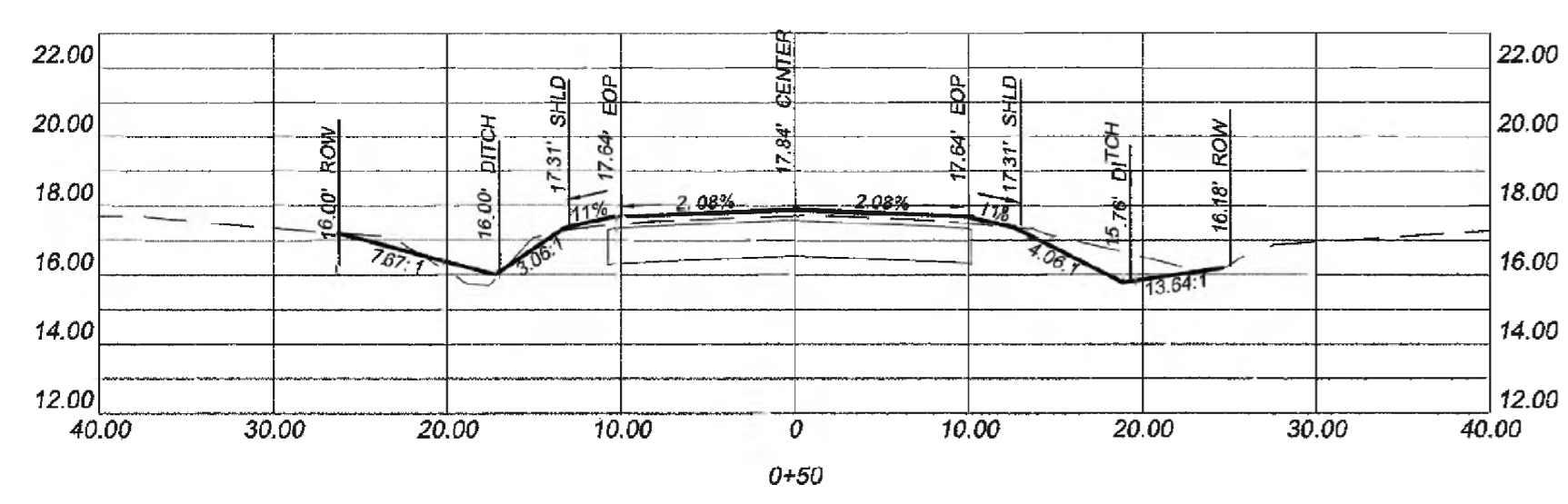
NO.	DATE	REVISION DESCRIPTION	DRN	BY
1	8-22-18	GEORGETOWN COUNTY REVIEW		

COVE LANE CROSS SECTIONS
 GEORGETOWN COUNTY DIRT ROAD IMPROVEMENTS
 GEORGETOWN COUNTY, SOUTH CAROLINA
 PREPARED FOR: GEORGETOWN COUNTY

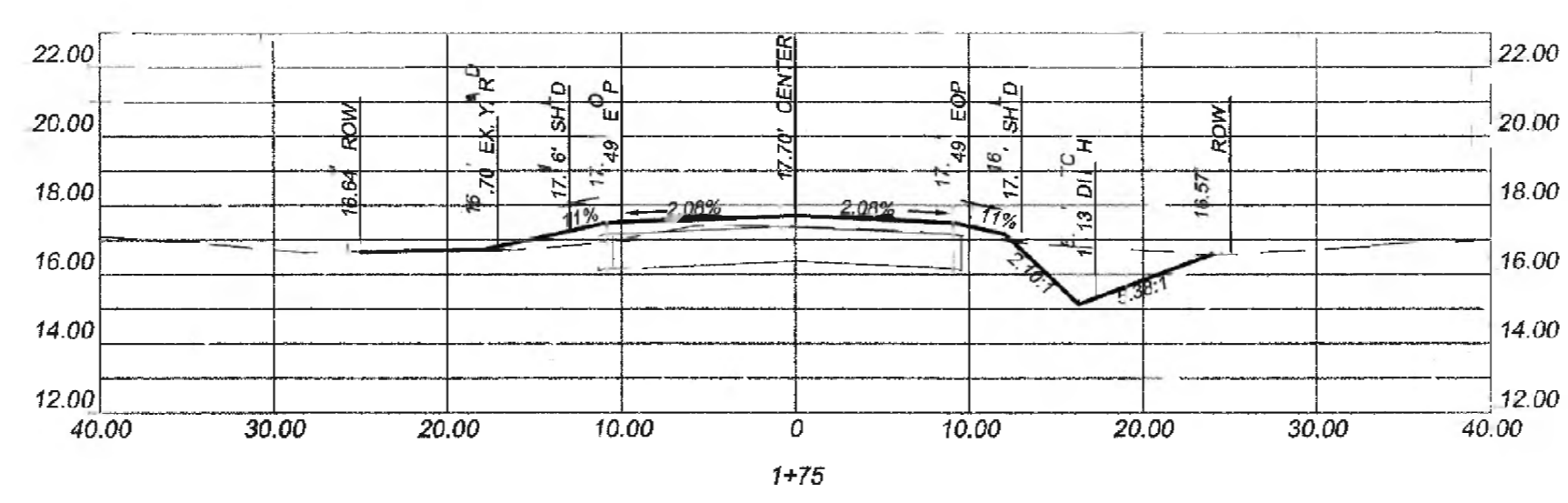
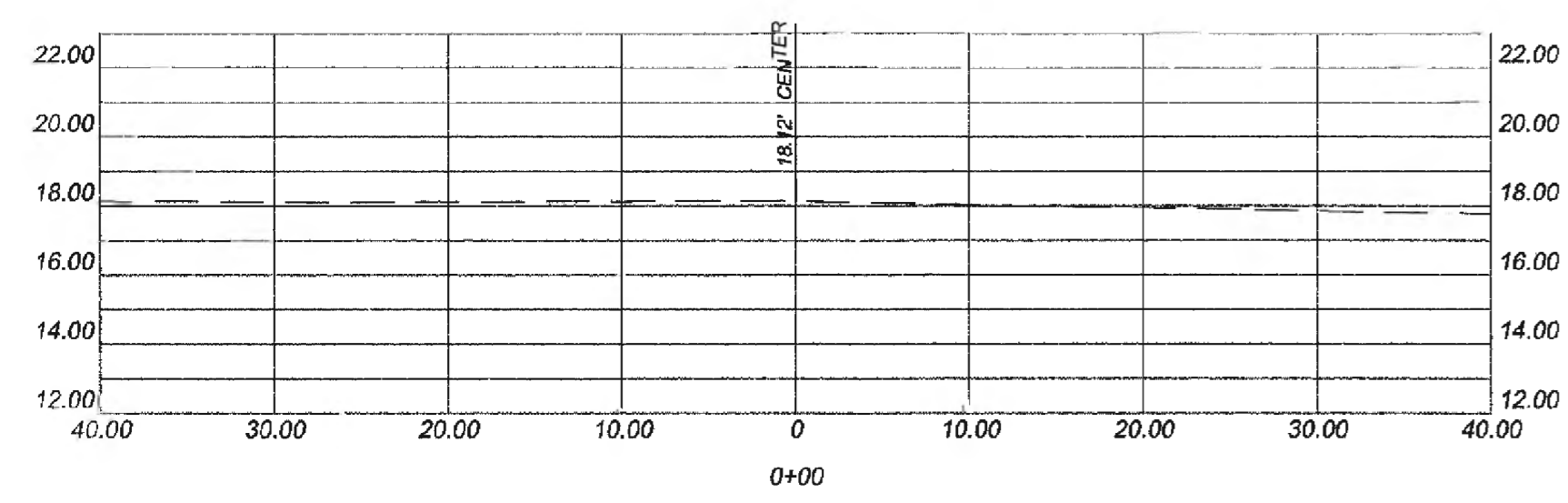
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DATE:	7-13-18
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DRAWN BY:	CRJ
APPROV. BY:	EKS
PROJECT NO.:	18009A
6	
FILE NO.:	18009A



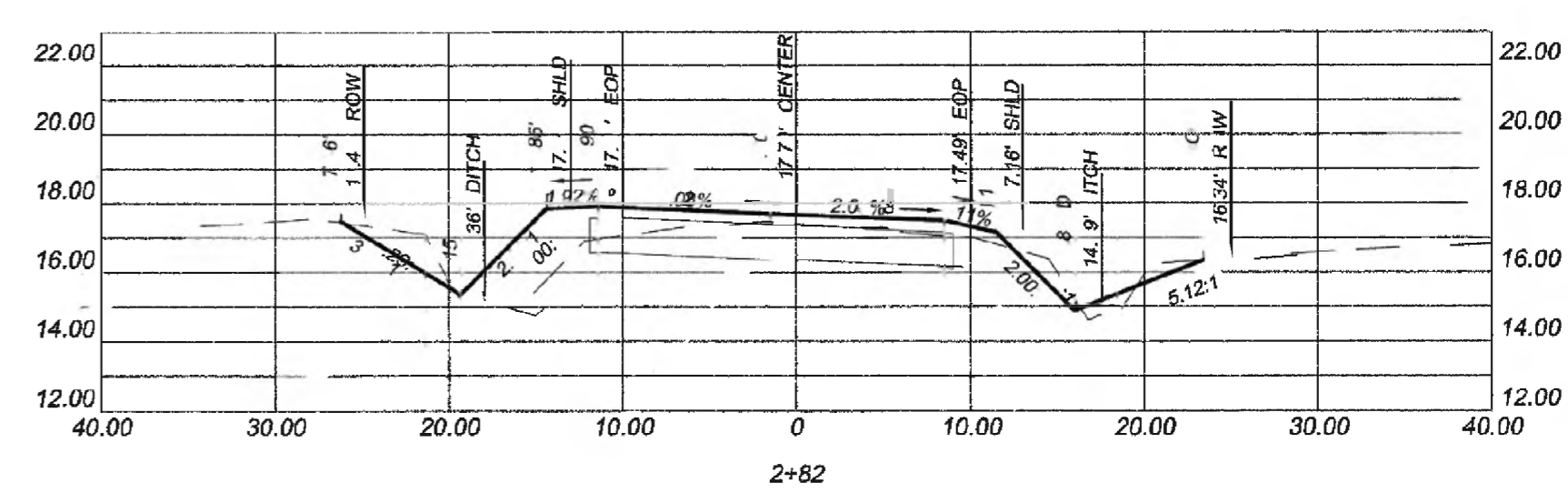
TRANSITION TO ELEVATION MAXIMUM SUPER - STA. 3+31



BEGIN CONSTRUCTION
 COVE LANE
 STA. 0+10.82
 (MATCH EXISTING PAVEMENT EDGE)



END NORMAL CROWN - STA. 1+75



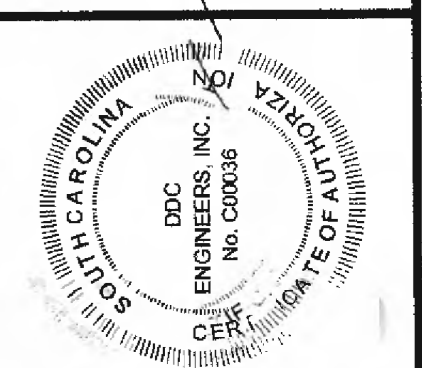
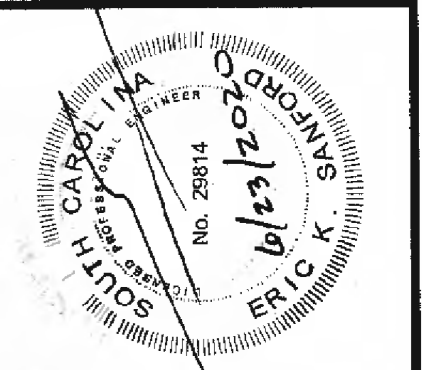
START SUPER ELEVATION TRANSITION - STA. 2+82

CROSS SECTIONS
 SCALE:
 HORIZONTAL: 1" = 10'
 VERTICAL: 1" = 5'

PLOT SCALE: 1" = 1' PDP FILE: NEW000278



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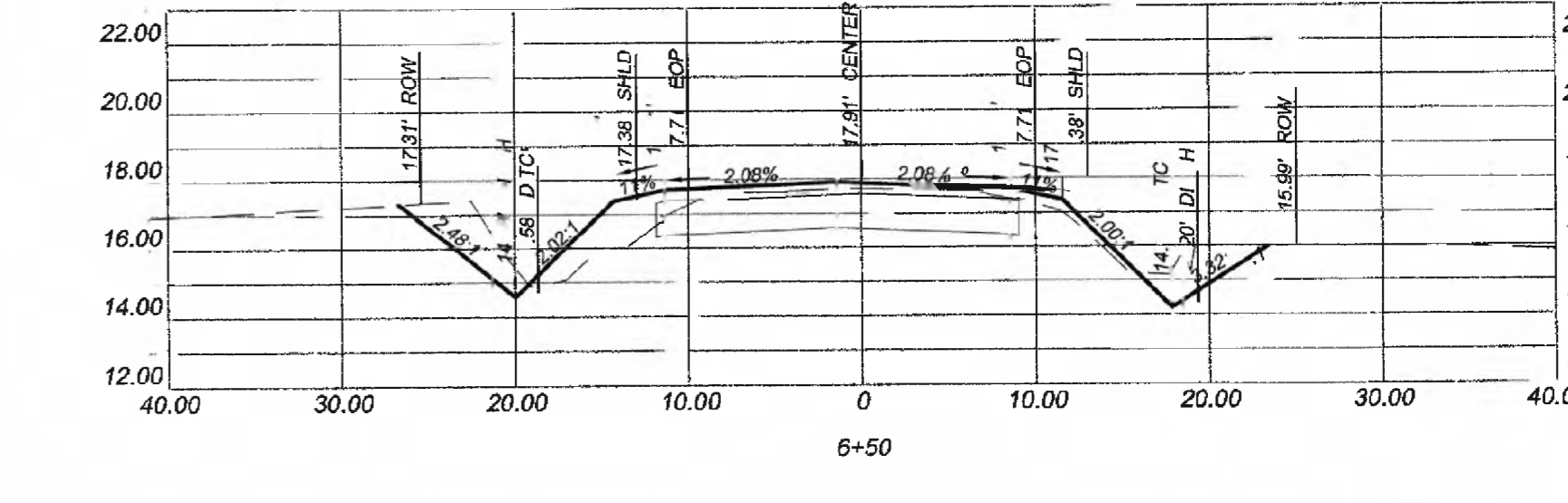
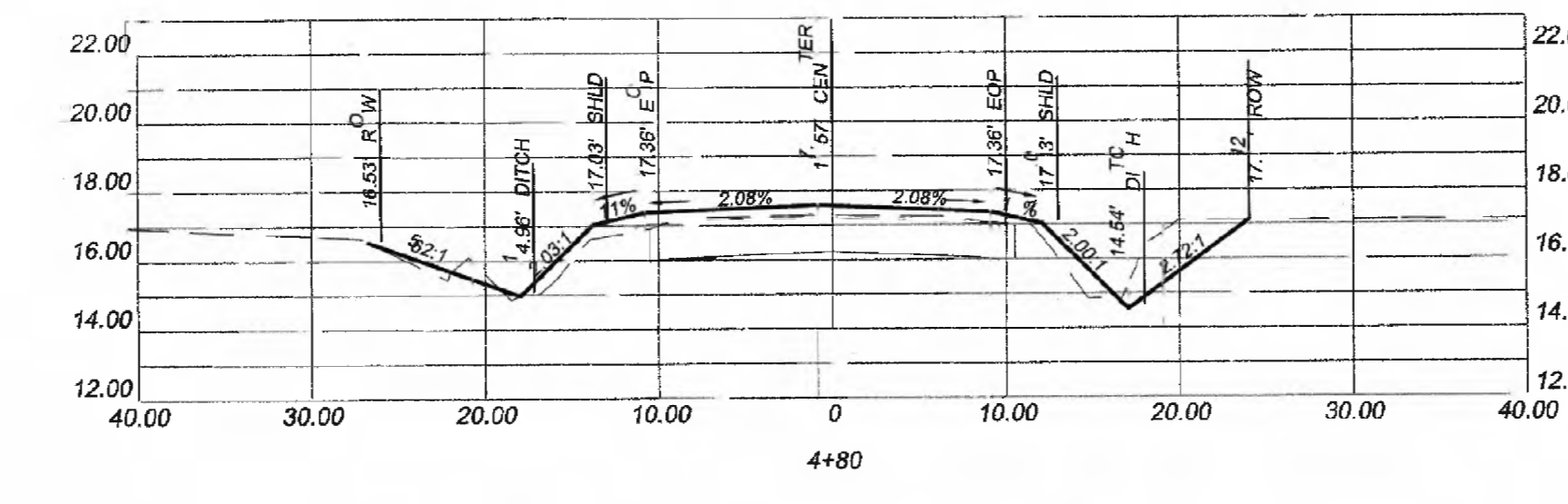
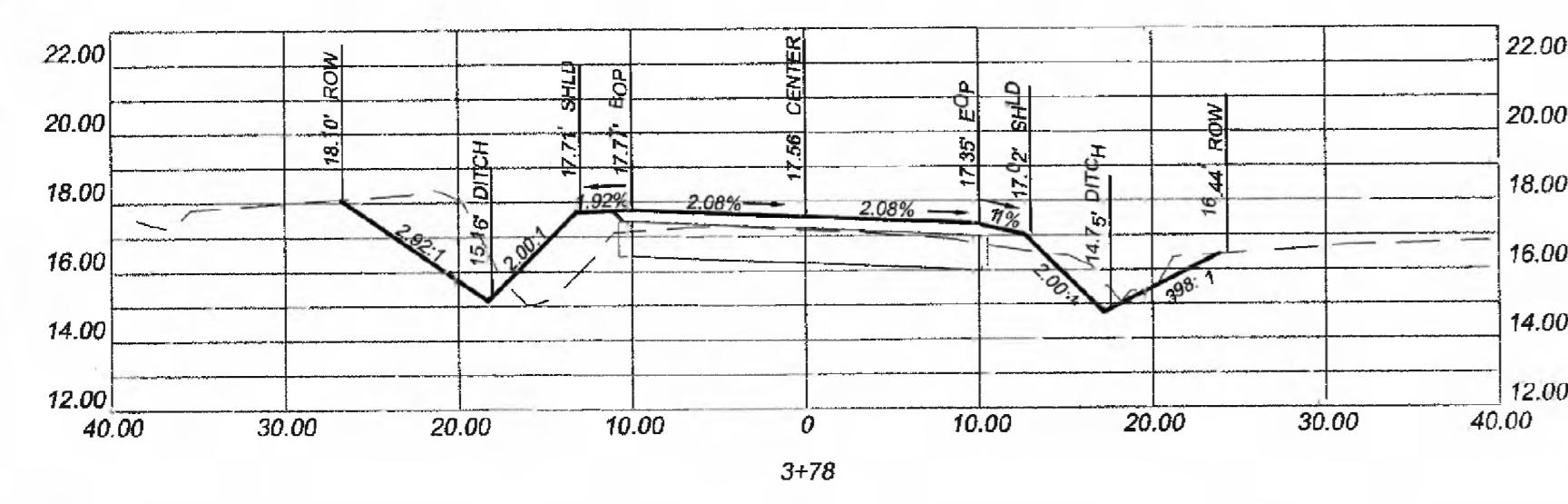
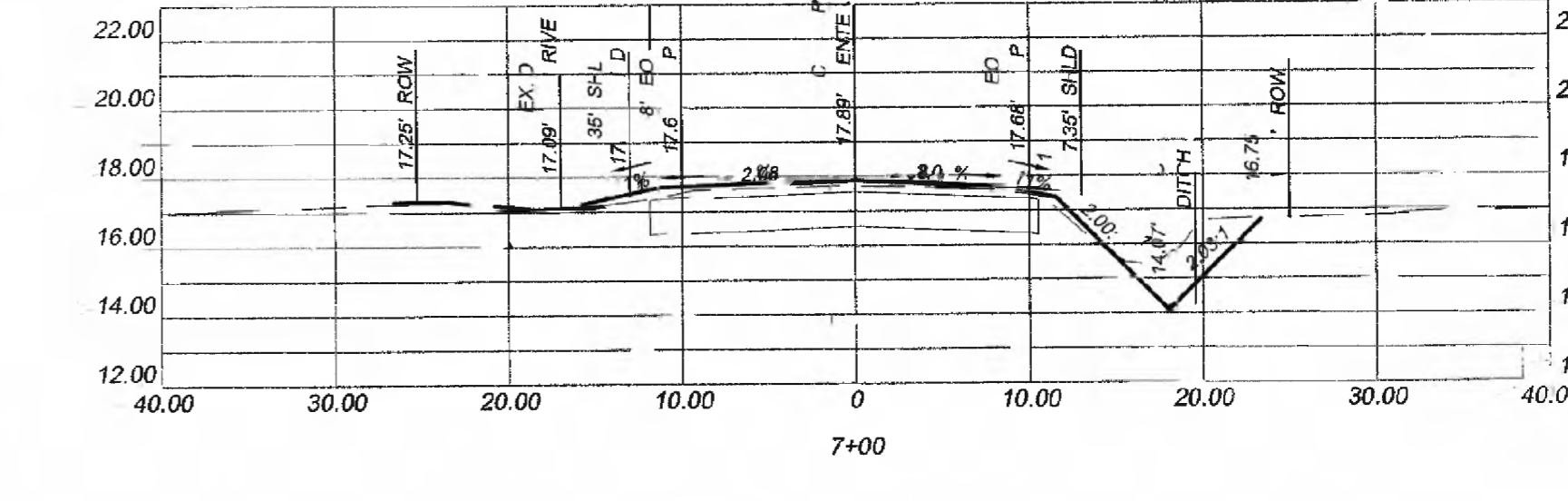
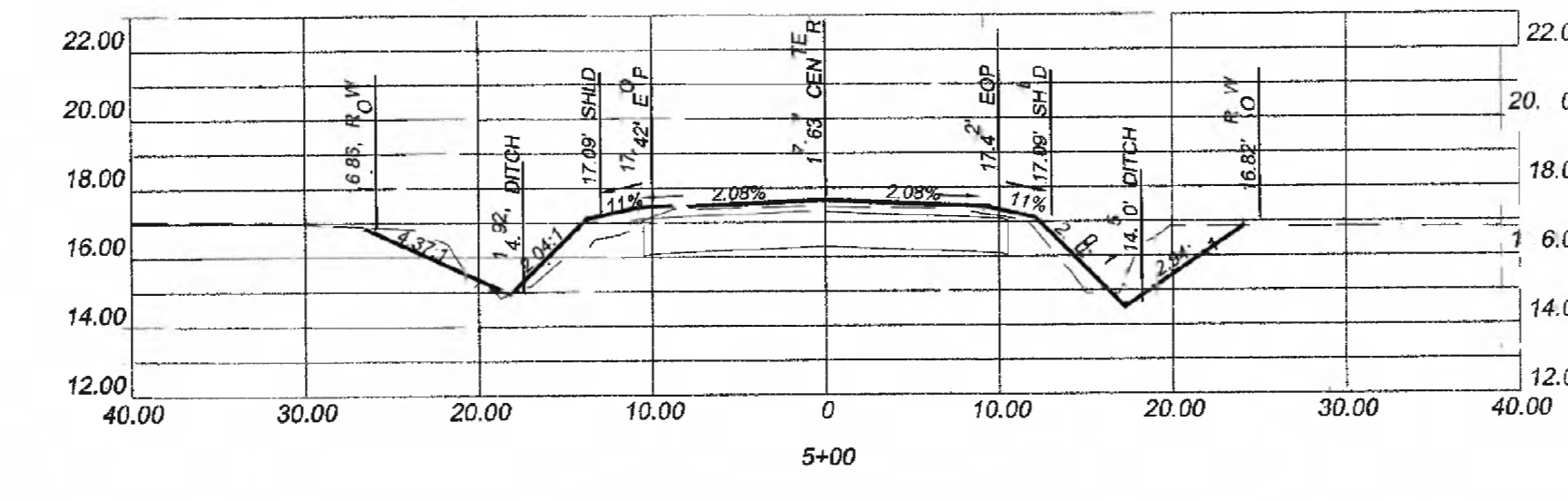
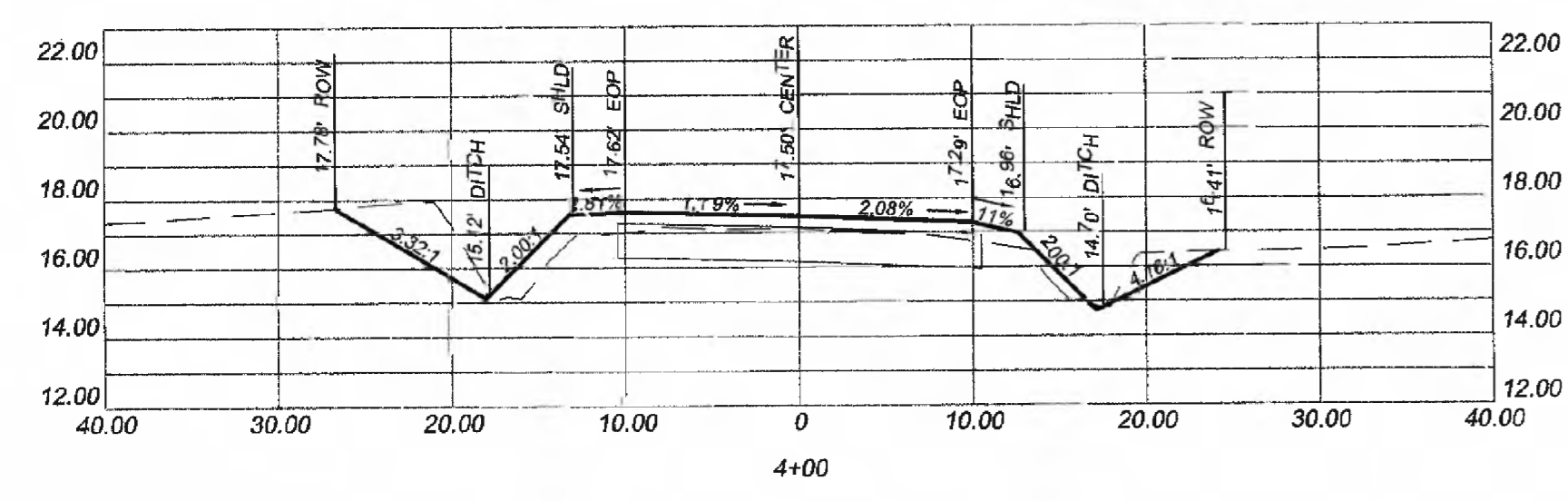
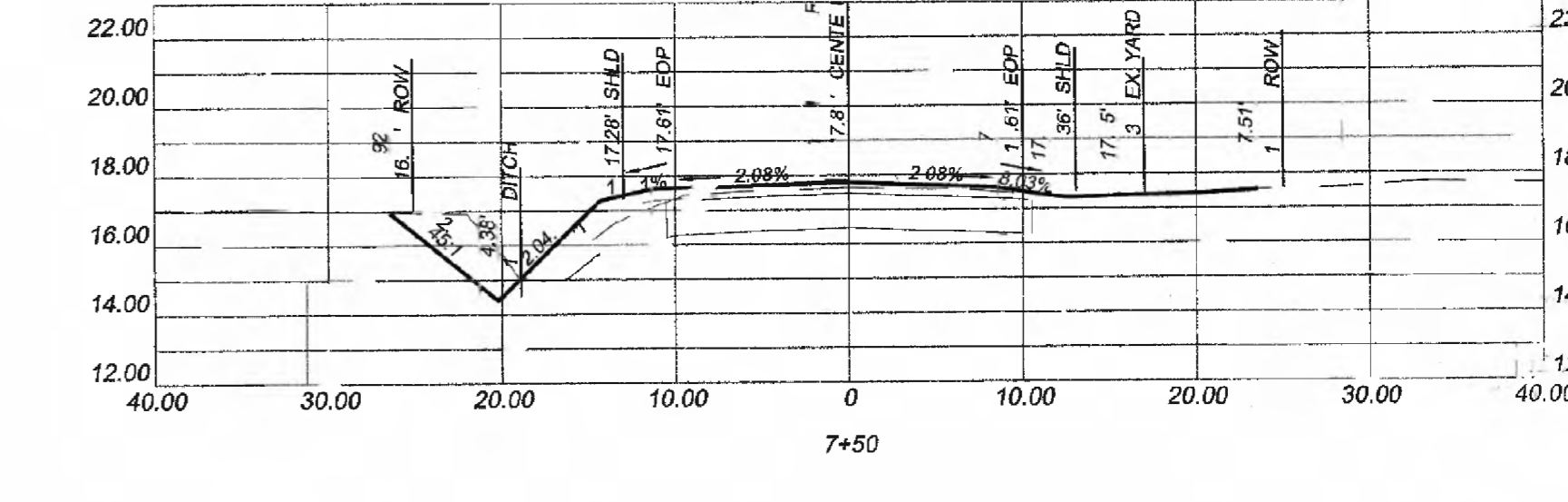
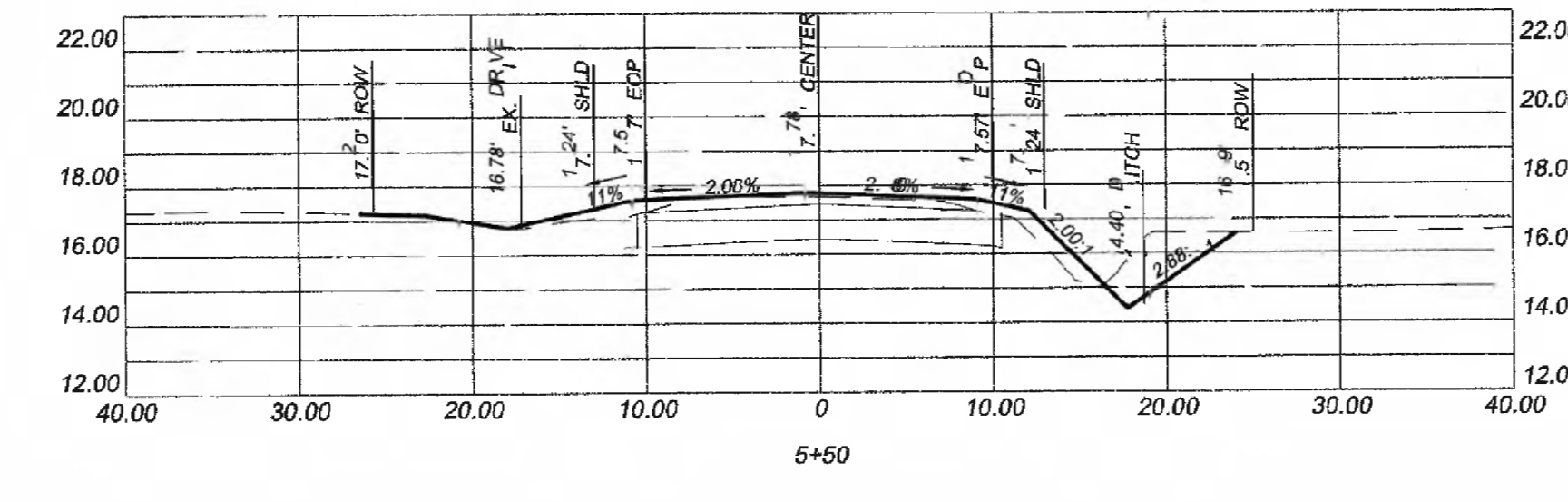
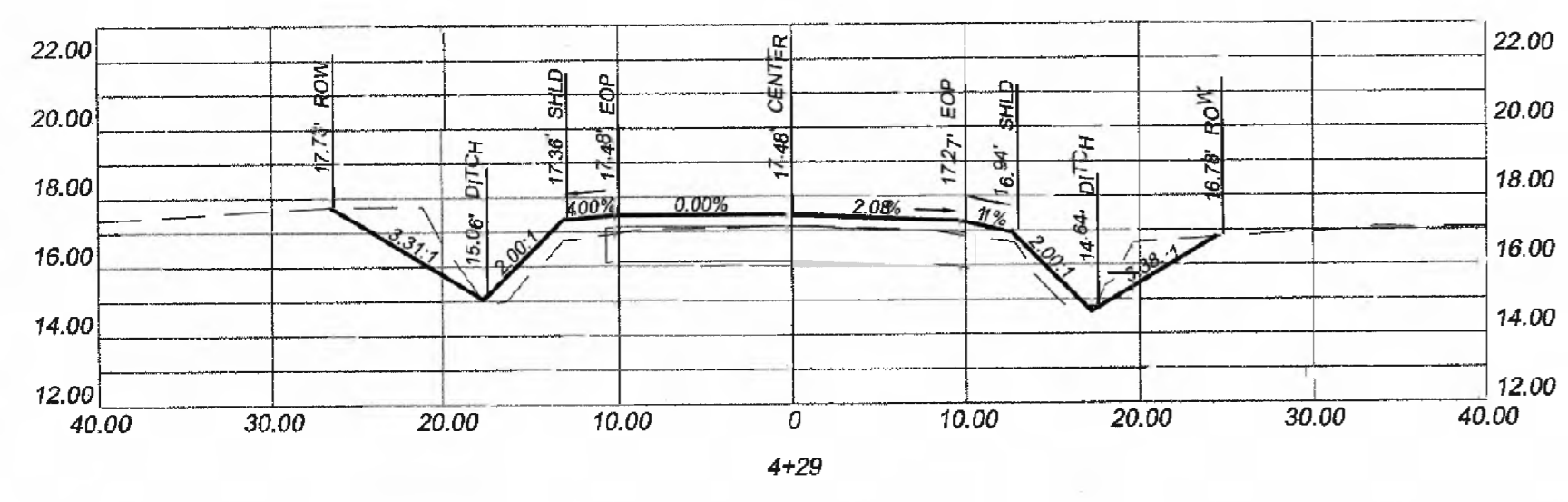
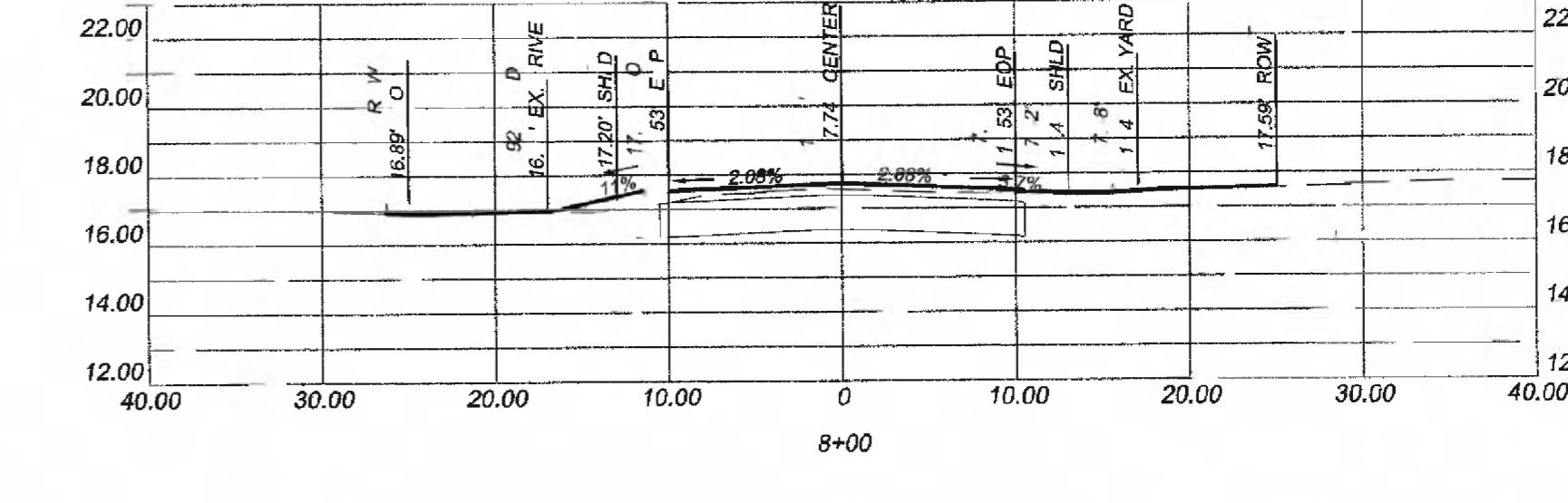
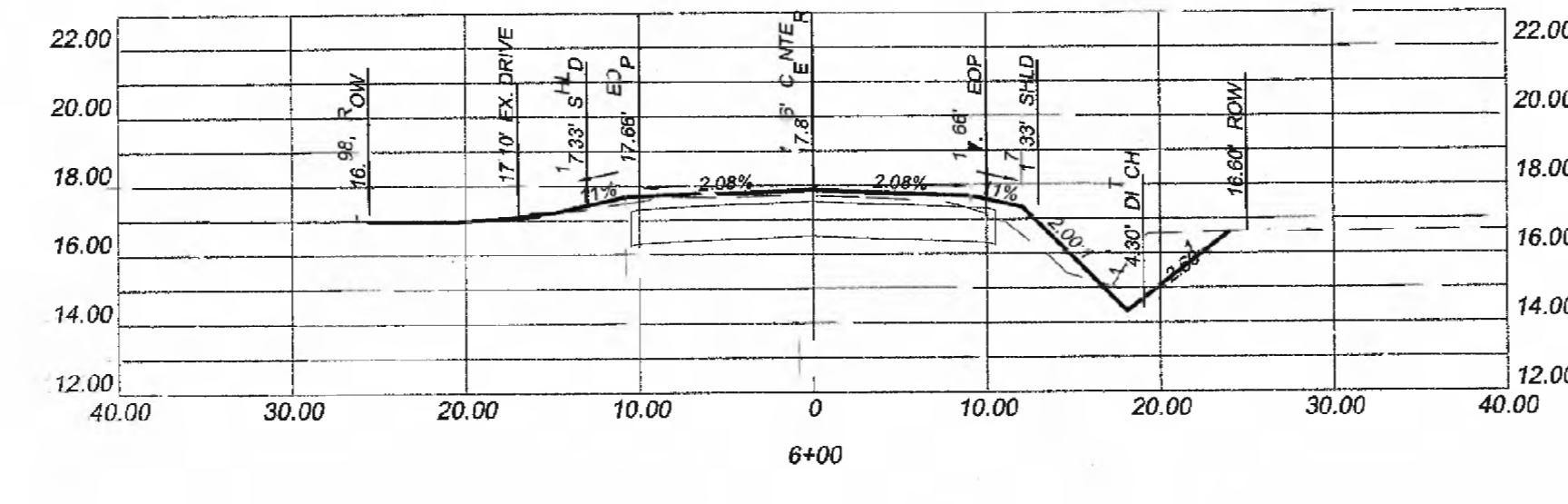
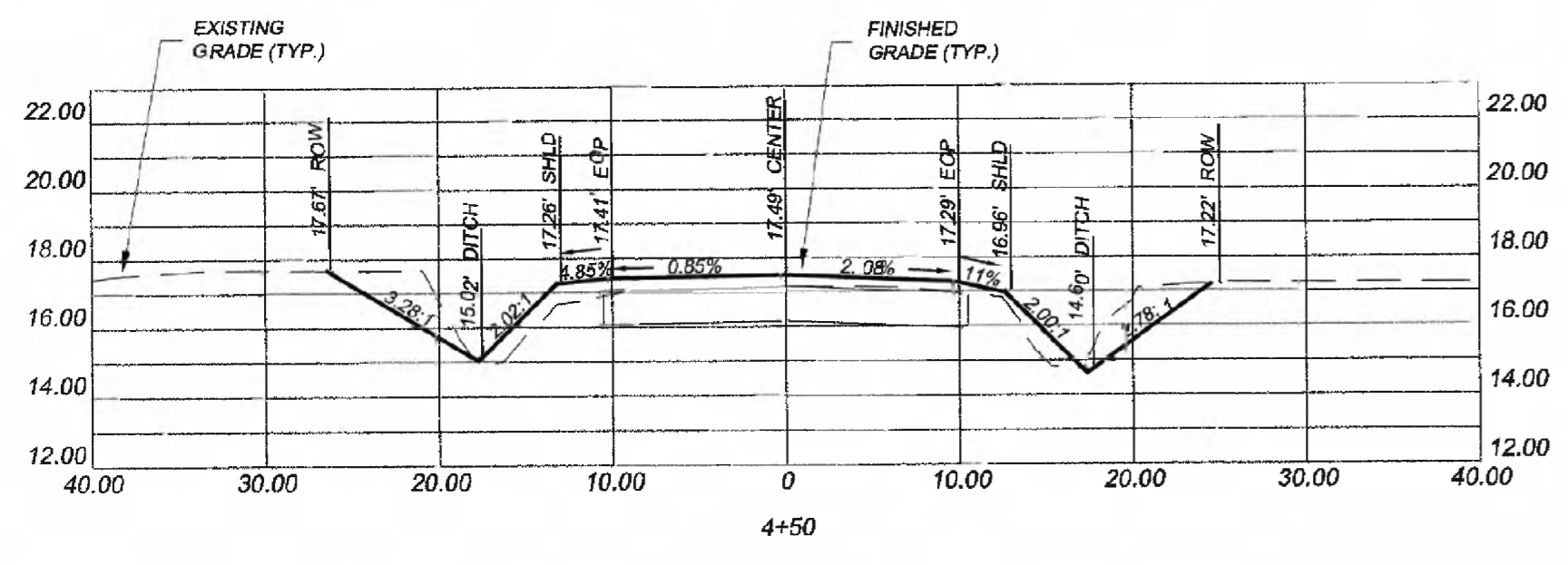


NO.	DATE	REVISION DESCRIPTION	DRJ	BY
1	8-22-18	GEORGETOWN COUNTY REVIEW		

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LOVE LANE CROSS SECTIONS
GEORGETOWN COUNTY DIRT ROAD IMPROVEMENTS
GEORGETOWN COUNTY, SOUTH CAROLINA
PREPARED FOR: GEORGETOWN COUNTY

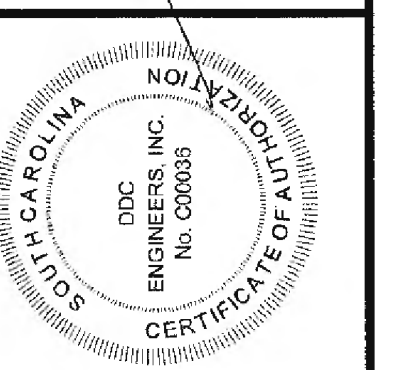
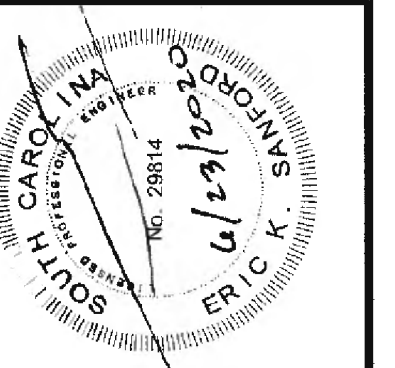
SCALE:	1" = 10'
DATE:	7-13-18
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DRAWN BY:	DRJ
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PROJECT NO.:	18009A
7	
FILE NO.:	18009A



FROM MAXIMUM SUPER ELEVATION TRANSITION
BACK TO 2.08% - STA. 3+78

TRANSITION TO NORMAL CROWN - STA. 4+80

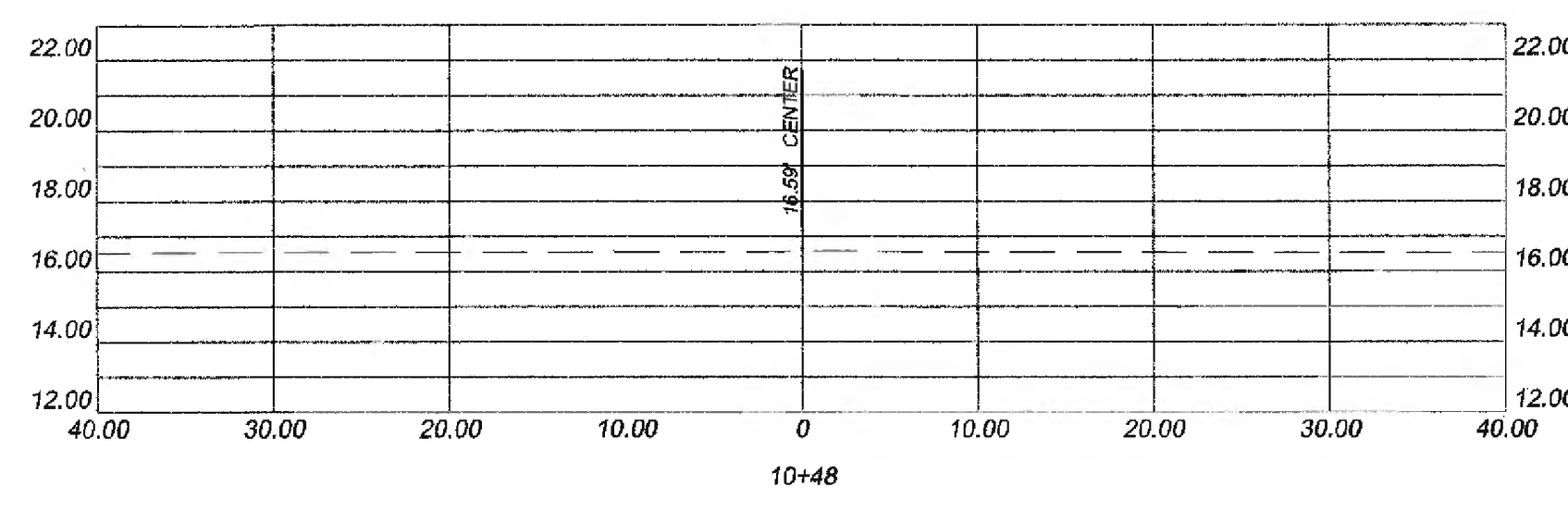
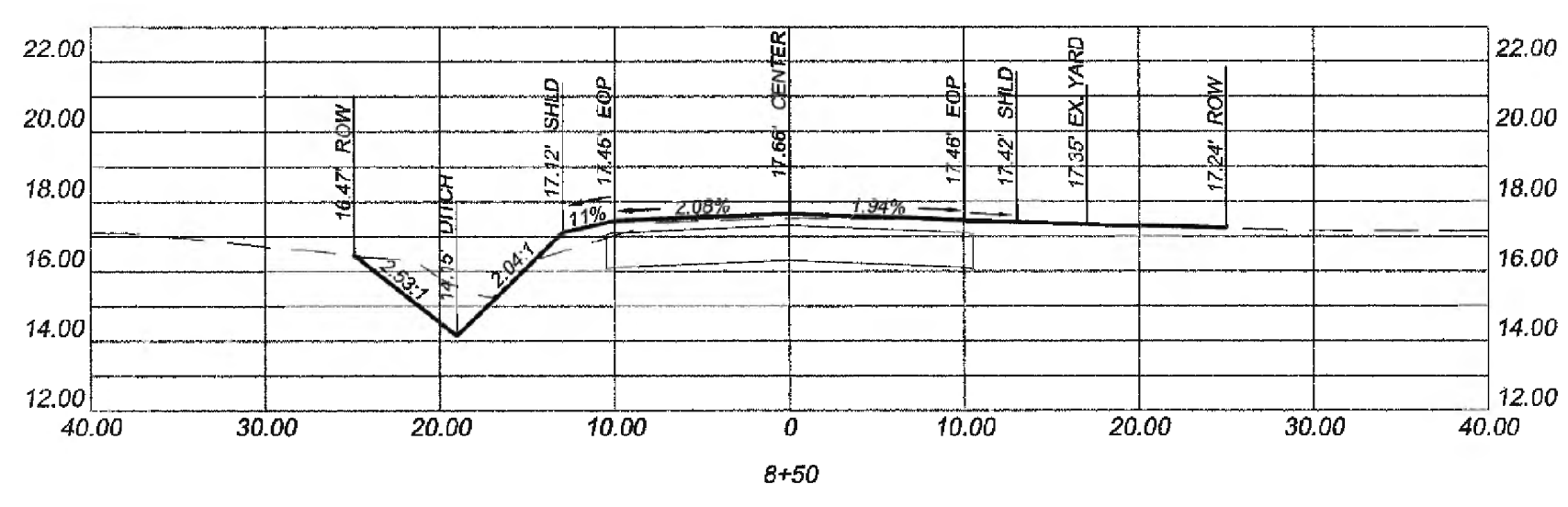
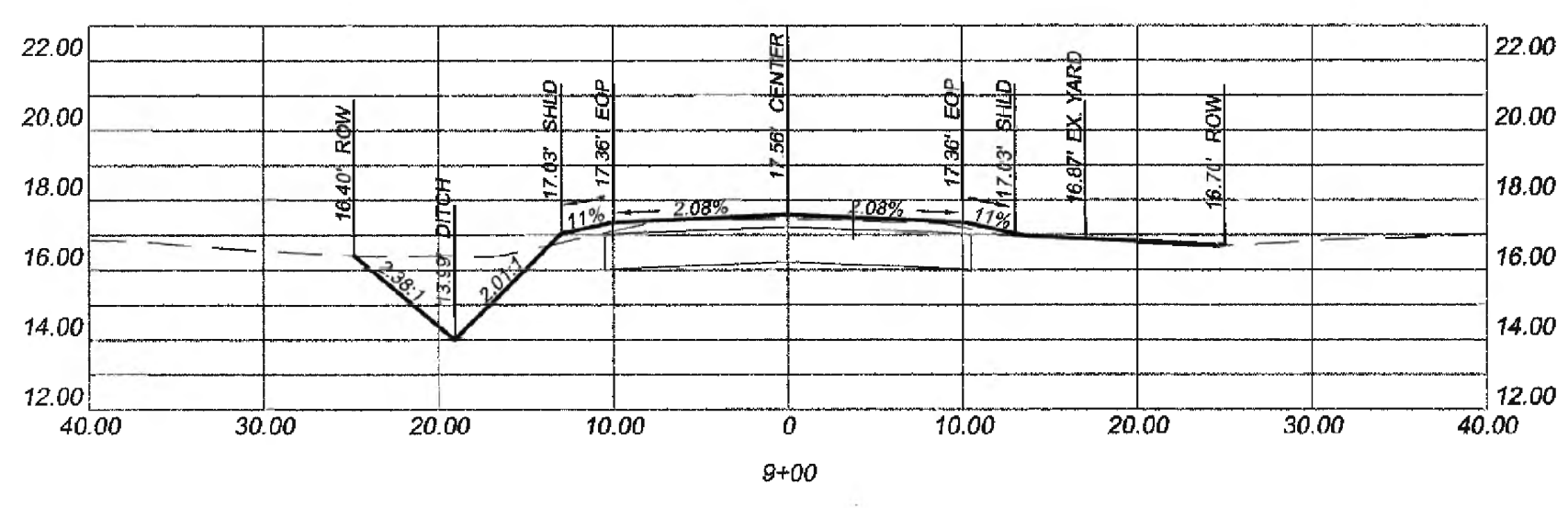
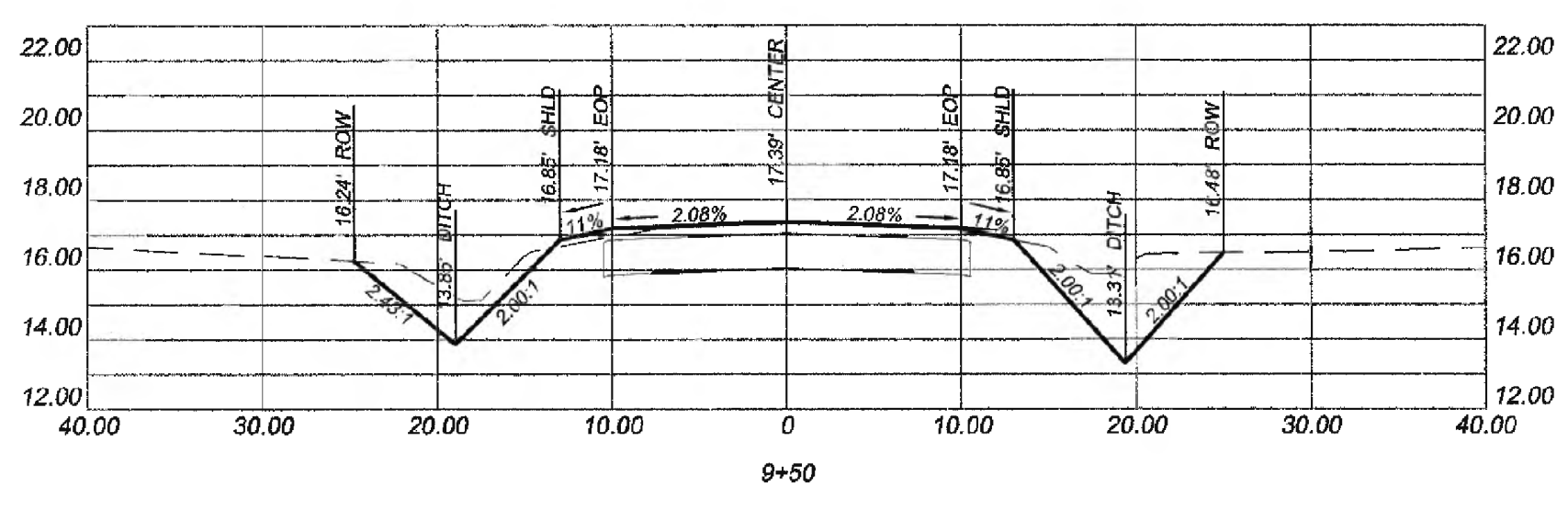
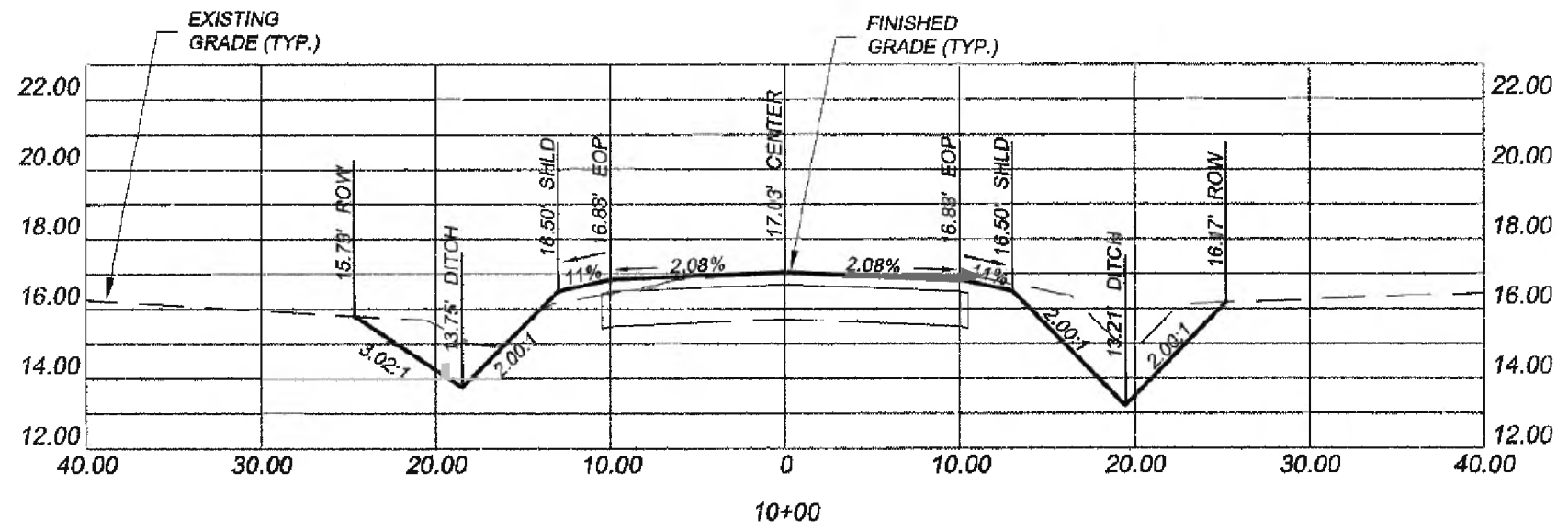
CROSS SECTIONS
SCALE:
HORIZONTAL: 1" = 10'
VERTICAL: 1" = 5'



NO.	DATE	REVISION DESCRIPTION	DR.	BY
1	6-22-18	GEORGETOWN COUNTY REVIEW		

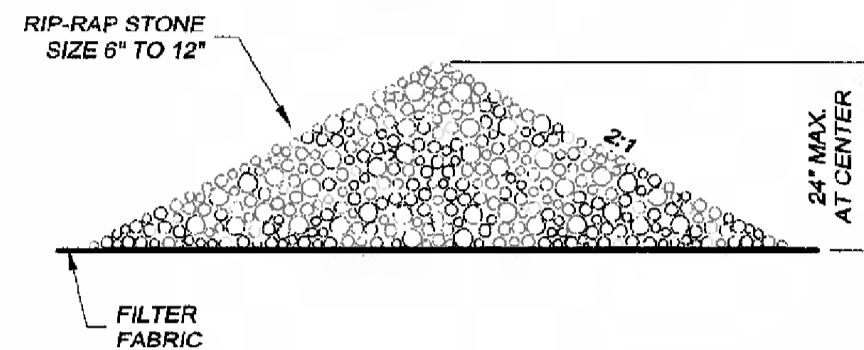
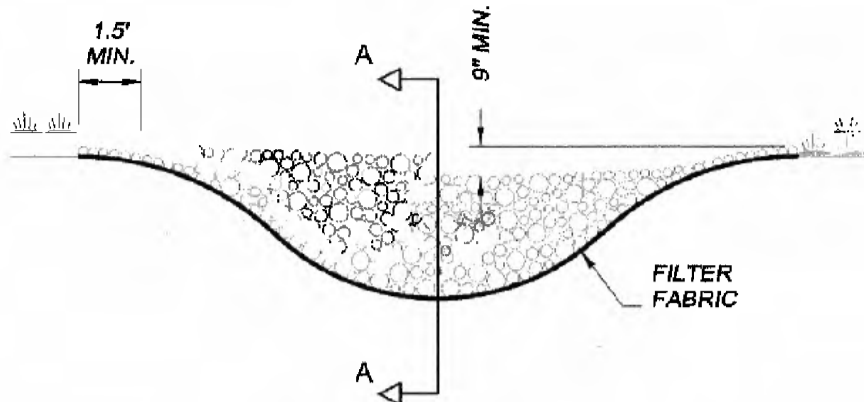
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COVE LANE CROSS SECTIONS	
GEORGETOWN COUNTY DIRT ROAD IMPROVEMENTS	
GEORGETOWN COUNTY, SOUTH CAROLINA	
PREPARED FOR: GEORGETOWN COUNTY	
SCALE:	H = 1" = 10' V = 1" = 5'
DATE:	7-13-18
DESIGNED BY:	EKS
DRAWN BY:	DRJ
APPROV. BY:	EKS
PROJECT NO.:	18009A
8	
FILE NO.:	18009A



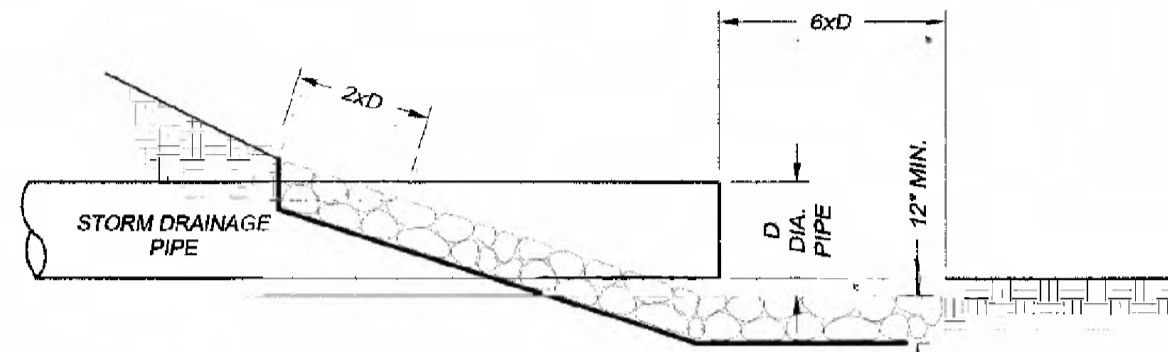
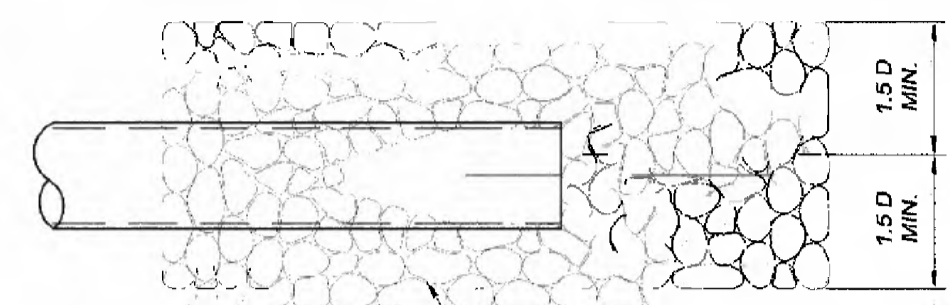
END CONSTRUCTION - STA. 10+38.63

CROSS SECTIONS
SCALE:
HORIZONTAL: 1" = 10'
VERTICAL: 1" = 5'

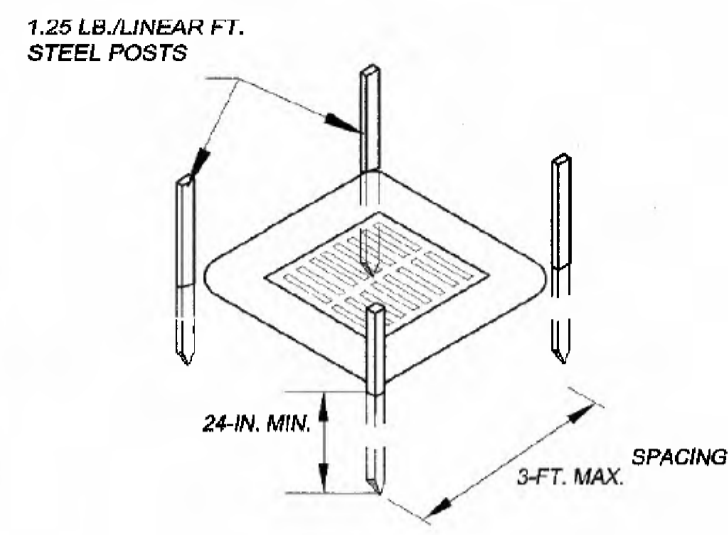


STONE CHECK DAM
SCALE: N.T.S.

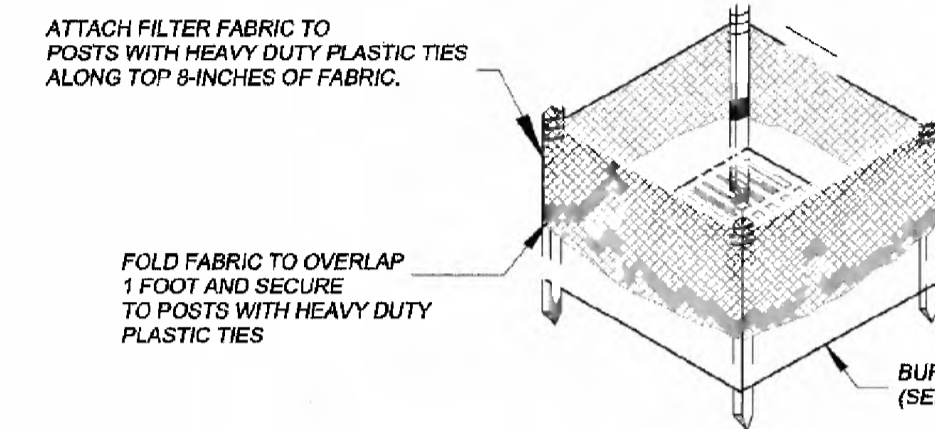
- NOTES:**
1. FILTER FABRIC TO BE INSTALLED BENEATH STONE RIP-RAP.
 2. WHEN PIPE EMPTIES INTO A DITCH OR SWALE, THE RIP-RAP WILL TAKE THE SHAPE OF THE DITCH OR SWALE



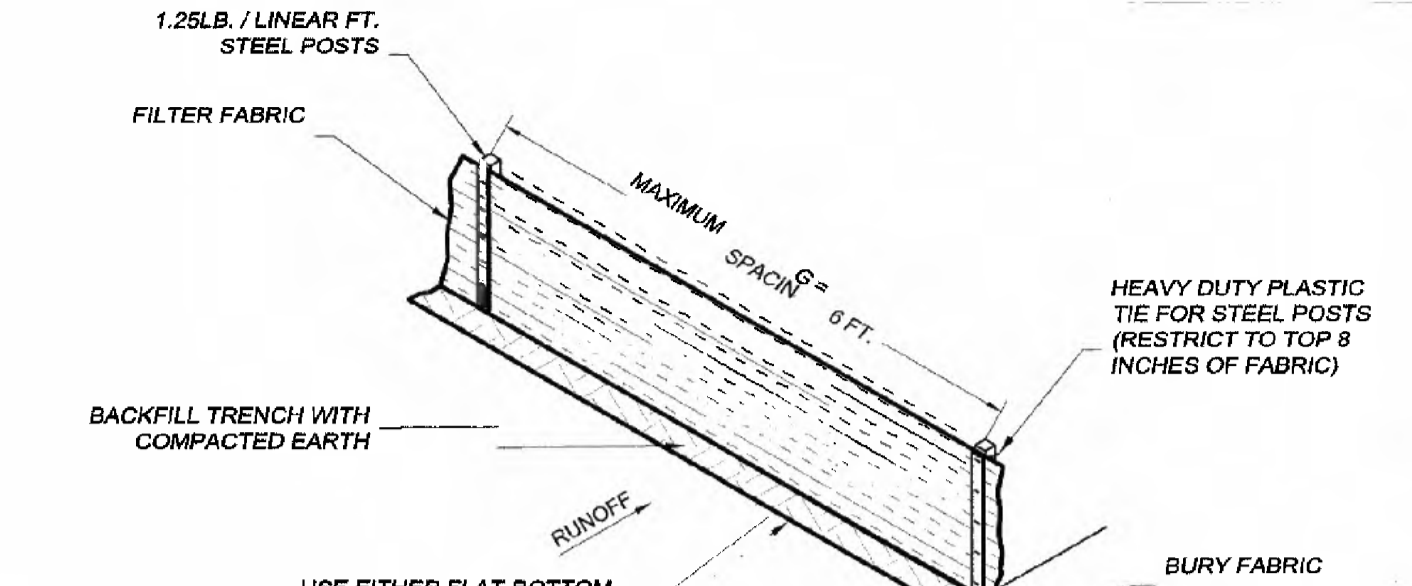
RIP-RAP PIPE OUTLET
SCALE: N.T.S.



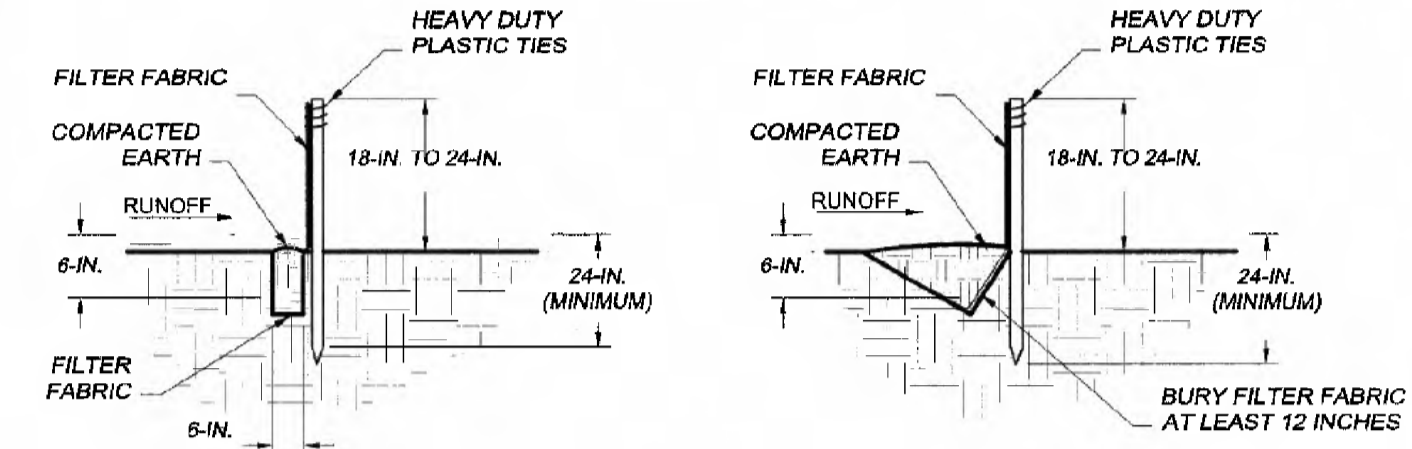
POST INSTALLATION DETAIL



FILTER FABRIC INSTALLATION DETAIL



SILT FENCE INSTALLATION



FLAT-BOTTOM TRENCH DETAIL

V-SHAPED TRENCH DETAIL

SILT FENCE - GENERAL NOTES:

1. 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.
2. MAXIMUM SHEET OR OVERLAND FLOW PATH LENGTH TO THE SILT FENCE SHALL BE 100 FEET.
3. MAXIMUM SLOPE STEEPNESS (NORMAL PERPENDICULAR TO THE FENCE LINE) SHALL BE 2:1.
4. 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 PAST 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.
5. ATTACH FILTER FABRIC TO THE STEEL POSTS USING HEAVY DUTY PLASTIC TIES THAT ARE EVENLY SPACED WITHIN THE TOP 8 INCHES OF THE FABRIC.
6. INSTALL THE SILT FENCE PERPENDICULAR TO THE DIRECTION OF THE STORM WATER FLOW AND PLACE THE SILT FENCE THE PROPER DISTANCE FROM THE TOE OF STEEP SLOPES TO PROVIDE SEDIMENT STORAGE AND ACCESS FOR MAINTENANCE AND CLEAN OUT.
7. 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.

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 (#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 1/2 INCH GAUGE STEEL, AT A MINIMUM. THE METAL SOIL STABILIZATION PLATE SHOULD BE COMPLETELY BURIED.
4. INSTALL POSTS 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 8 FEET ON CENTER.

SILT FENCE - FABRIC REQUIREMENTS

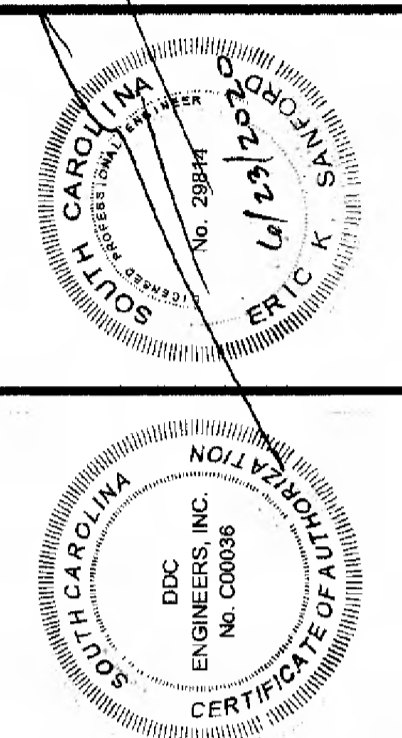
1. SILT FENCE MUST BE COMPOSED OF WOVEN GEOTEXTILE FILTER FABRIC THAT CONSISTS OF THE FOLLOWING REQUIREMENTS:
 - COMPOSED OF FIBERS CONSISTING OF LONG CHAIN SYNTHETIC POLYMERS OF AT LEAST 85% BY WEIGHT OF POLYOLEFINS, POLYESTERS OR POLYAMIDES THAT ARE FORMED INTO A NETWORK SUCH THAT THE FILAMENTS OR YARNS RETAIN DIMENSIONAL STABILITY RELATIVE TO EACH OTHER.
 - FREE OF ANY TREATMENT OR COATINGS 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 STORM WATER 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. REMOVE 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.



DDC ENGINEERS
CONSULTING ENGINEERS, SURVEYORS, PLANNERS,
LANDSCAPE ARCHITECTS & ENVIRONMENTALISTS
1298 PROGRESS DR., MYRTLE BEACH, SC 29577
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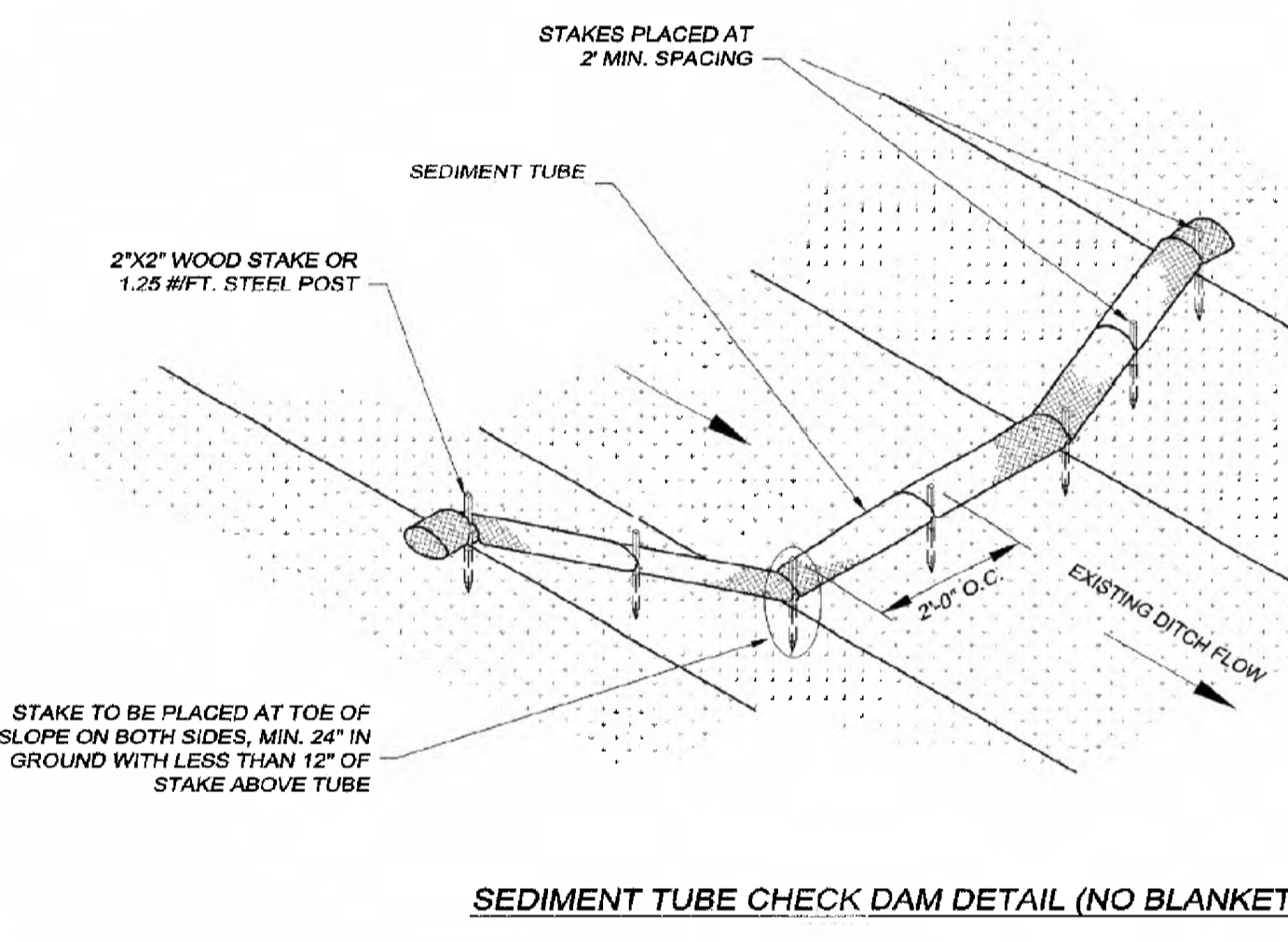
NO.	DATE	REVISION/DESCRIPTION	BY

SEDIMENT AND EROSION CONTROL DETAILS

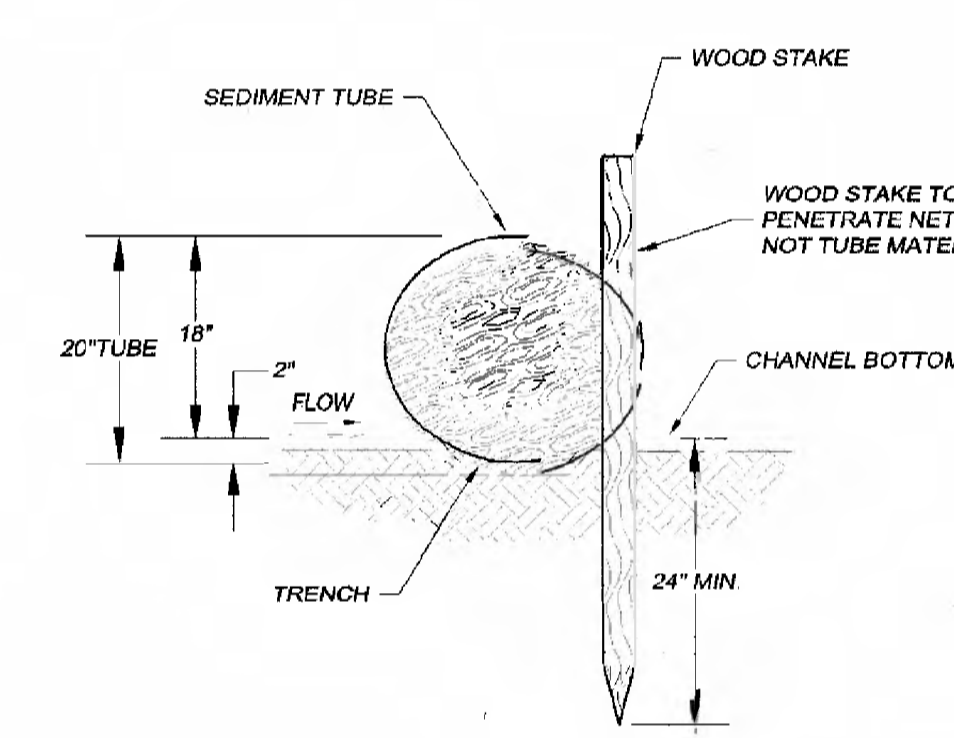
GEORGETOWN COUNTY DIRT ROAD IMPROVEMENTS
GEORGETOWN COUNTY, SOUTH CAROLINA
PREPARED FOR: GEORGETOWN COUNTY

SCALE: NO SCALE
DATE: 7-13-18
DESIGNED BY: EKS
DRAWN BY: PES
APPROV BY: EKS
PROJECT NO.: 18009A

9
FILE NO.: 18009A



SEDIMENT TUBE CHECK DAM DETAIL (NO BLANKET)



STAKE DETAIL (WITH TRENCH)

SEDIMENT TUBES - GENERAL NOTES

1. SEDIMENT TUBES MAY BE INSTALLED ALONG CONTOURS, IN DRAINAGE CONVEYANCE CHANNELS, AND AROUND INLETS TO HELP PREVENT OFF SITE DISCHARGE OF SEDIMENT LADEN STORM WATER RUNOFF.
2. SEDIMENT TUBES ARE ELONGATED TUBES OF COMPACTED GEOTEXTILES, CURLED EXCELSIOR WOOD, NATURAL COCONUT FIBER, OR HARDWOOD MULCH. STRAW, PINE NEEDLE AND LEAF MULCH FILLED SEDIMENT TUBES ARE NOT PERMITTED.
3. THE OUTER NETTING OF THE SEDIMENT TUBE SHOULD CONSIST OF SEAMLESS, HIGH DENSITY POLYETHYLENE PHOTODEGRADABLE MATERIALS TREATED WITH ULTRAVIOLET STABILIZERS OR A SEAMLESS, HIGH DENSITY POLYETHYLENE NON DEGRADABLE MATERIAL.
4. SEDIMENT TUBES, WHEN USED AS CHECKS WITHIN CHANNELS, SHOULD RANGE BETWEEN 18 INCHES AND 24 INCHES DEPENDING ON CHANNEL DIMENSIONS. DIAMETERS OUTSIDE THIS RANGE MAY BE ALLOWED WHERE NECESSARY WHEN APPROVED.
5. CURLED EXCELSIOR WOOD, OR NATURAL COCONUT PRODUCTS THAT ARE ROLLED UP TO CREATE A SEDIMENT TUBE ARE NOT ALLOWED.
6. SEDIMENT TUBES SHOULD BE STAKED USING WOODEN STAKES (2" X 2") OR STEEL POSTS (STANDARD "T" OR "T" SECTIONS WITH A MINIMUM WEIGHT OF 1.25 POUNDS PER FOOT) AT A MINIMUM OF 48 INCHES IN LENGTH PLACED ON 2 FOOT CENTERS.
7. INSTALL ALL SEDIMENT TUBES TO ENSURE THAT NO GAPS EXIST BETWEEN THE SOIL AND THE BOTTOM OF THE TUBE. MANUFACTURER'S RECOMMENDATIONS SHOULD ALWAYS BE CONSULTED BEFORE INSTALLATION.
8. THE ENDS OF ADJACENT SEDIMENT TUBES SHOULD BE OVERLAPPED 6 INCHES TO PREVENT FLOW AND SEDIMENT FROM PASSING THROUGH THE FIELD JOINT.
9. SEDIMENT TUBES SHOULD NOT BE STACKED ON TOP OF ONE ANOTHER, UNLESS RECOMMENDED BY MANUFACTURER.
10. EACH SEDIMENT TUBE SHOULD BE INSTALLED IN A TRENCH WITH A DEPTH EQUAL TO 1/5 THE DIAMETER OF THE SEDIMENT TUBE.
11. SEDIMENT TUBES SHOULD CONTINUE UP THE SIDE SLOPES A MINIMUM OF 1 FOOT ABOVE THE DESIGN FLOW DEPTH OF THE CHANNEL.
12. INSTALL STAKES AT A DIAGONAL FACING INCOMING RUNOFF.

SEDIMENT TUBES - INSPECTION & MAINTENANCE

1. THE KEY TO FUNCTIONAL SEDIMENT TUBES IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE AND REGULAR SEDIMENT REMOVAL.
2. REGULAR INSPECTIONS OF SEDIMENT TUBES 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 SEDIMENT TUBE 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 SEDIMENT TUBE.
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. LARGE DEBRIS, TRASH AND LEAVES SHOULD BE REMOVED FROM IN FRONT OF TUBES WHEN FOUND.
7. IF EROSION CAUSES THE EDGES TO FALL TO A HEIGHT EQUAL TO OR BELOW THE HEIGHT OF THE SEDIMENT TUBE, REPAIRS SHOULD BE MADE IMMEDIATELY TO PREVENT RUNOFF FROM BYPASSING TUBE.
8. SEDIMENT TUBES SHOULD BE REMOVED AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN COMPLETELY STABILIZED. PERMANENT VEGETATION SHOULD REPLACE AREAS FROM WHICH SEDIMENT TUBES HAVE BEEN REMOVED.

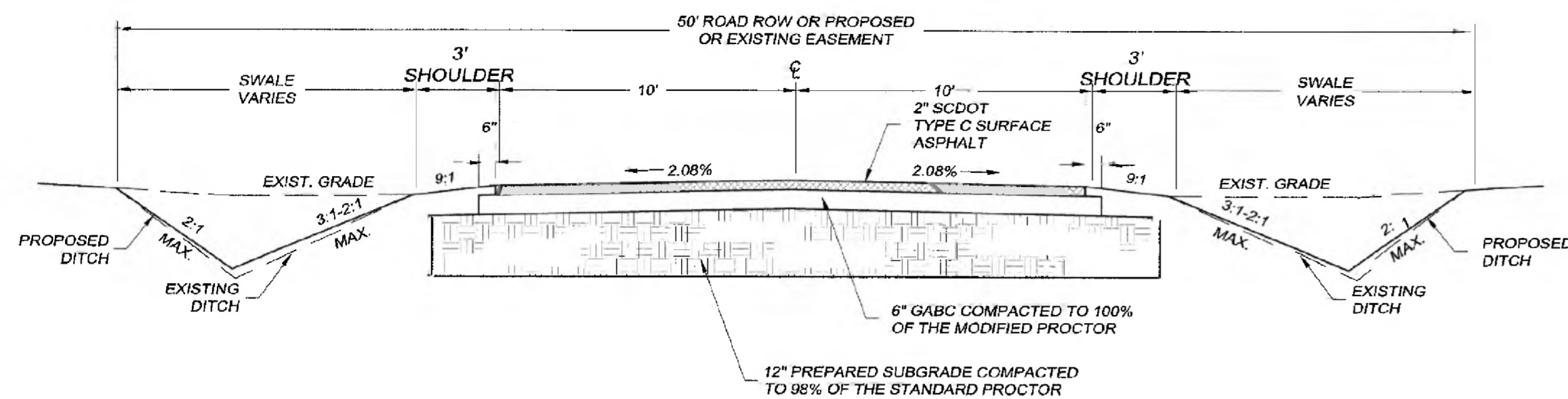
SEDIMENT TUBE SPACING

SLOPE	MAX. SEDIMENT TUBE SPACING
LESS THAN 2%	150-FEET
2%	100-FEET
3%	75-FEET
4%	50-FEET
5%	40-FEET
6%	30-FEET
GREATER THAN 6%	25-FEET

SEDIMENT TUBE DETAIL
SCALE: N.T.S.

INLET PROTECTION
SCALE: N.T.S.

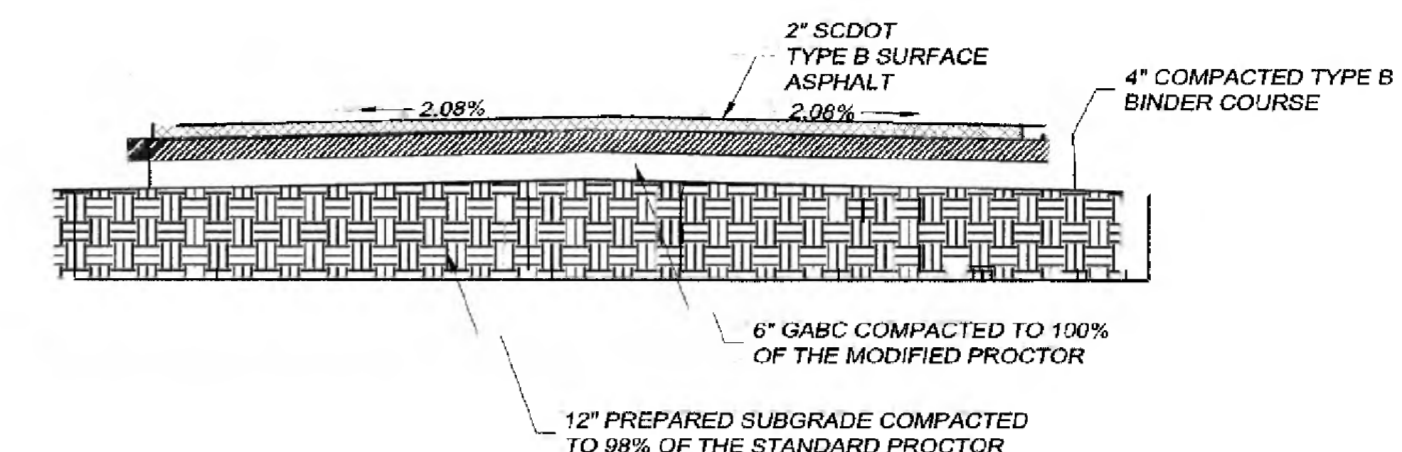
CONSTRUCTION OF A SILT FENCE
SCALE: N.T.S.



(FROM STA. 0+10.62 TO STA. 1+75)
(FROM STA. 4+80 TO STA. 10+38.63)

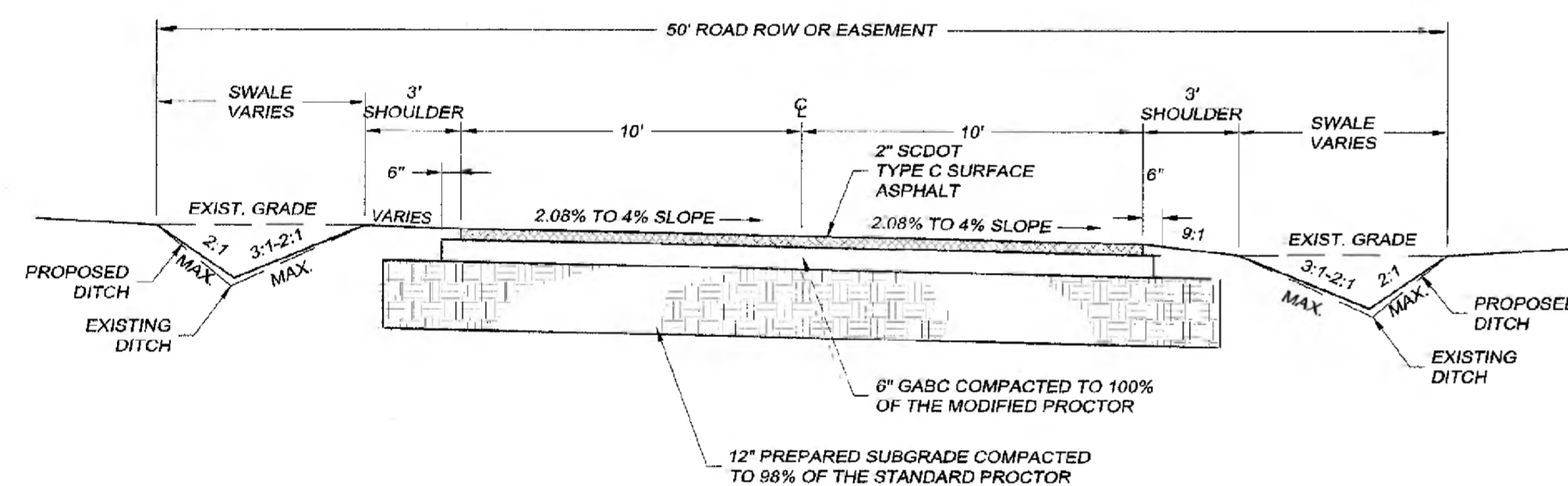
TYPICAL ROADWAY CROSS SECTION

SCALE: N.T.S.



TYPICAL ROADWAY CROSS SECTION WITHIN SCDOT RW

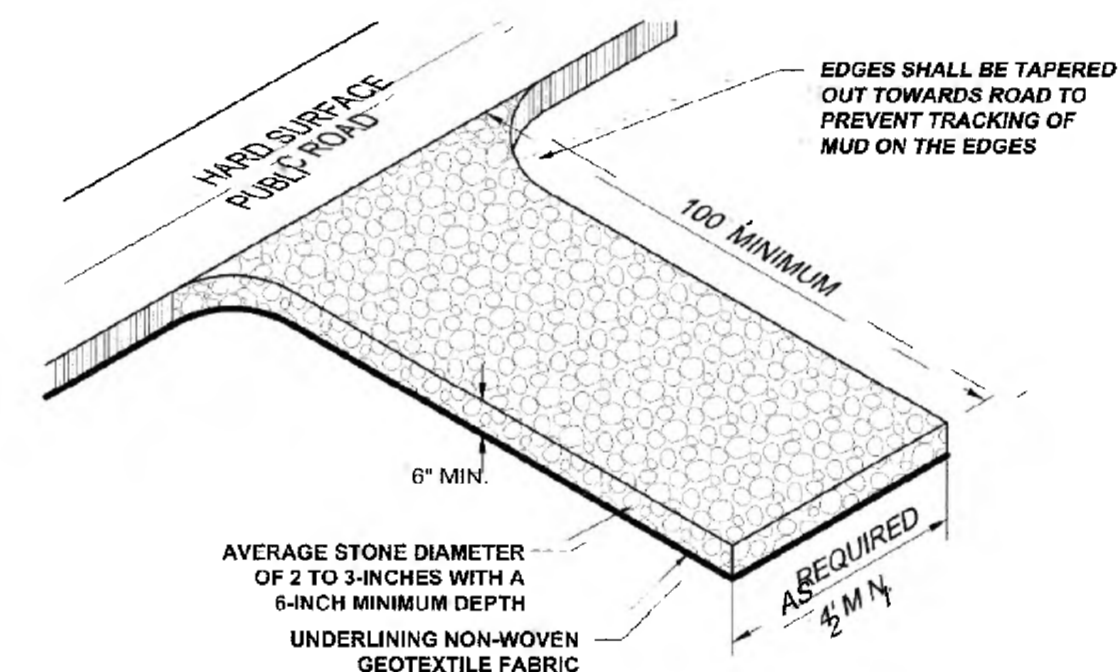
SCALE: N.T.S.



(FROM STA. 1+75 TO STA. 4+80)

TYPICAL ROADWAY CROSS SECTION

SCALE: N.T.S.

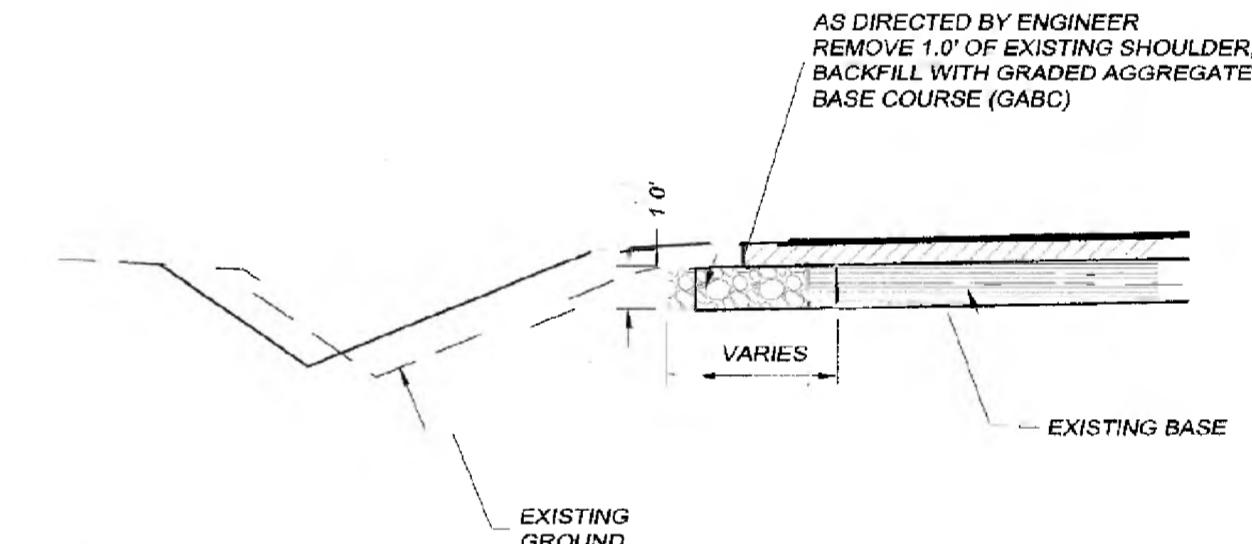


NOTE:

- INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDE POSITIVE DRAINAGE.
- DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN OR OTHER SEDIMENT TRAPPING STRUCTURE.
- ENTRANCES SHALL COMPLY WITH SCDOT STANDARD DRAWING 651-115-01

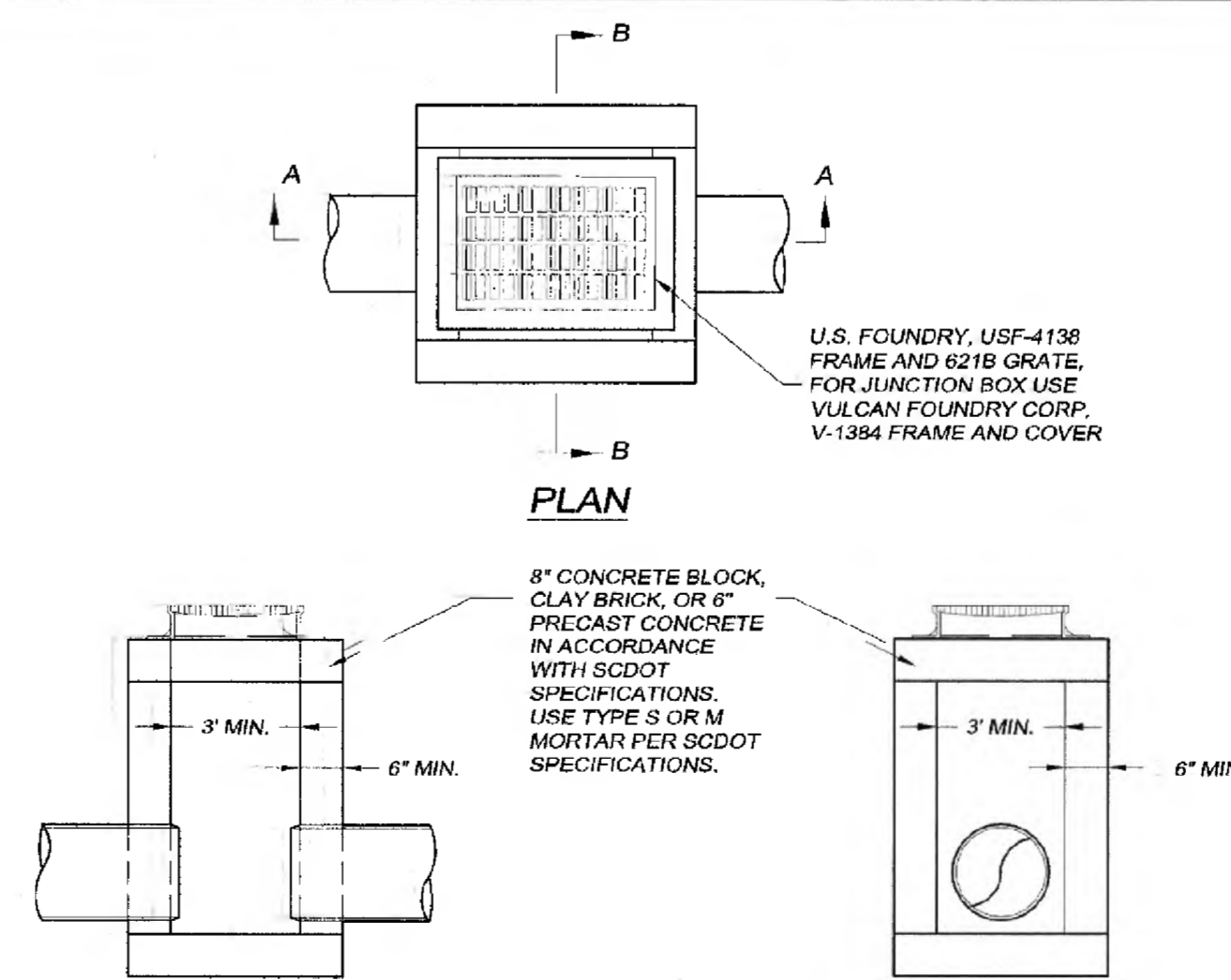
CE STABILIZED CONSTRUCTION ENTRANCE

SCALE: N.T.S.



GABC MUCKING DETAIL

SCALE: N.T.S.

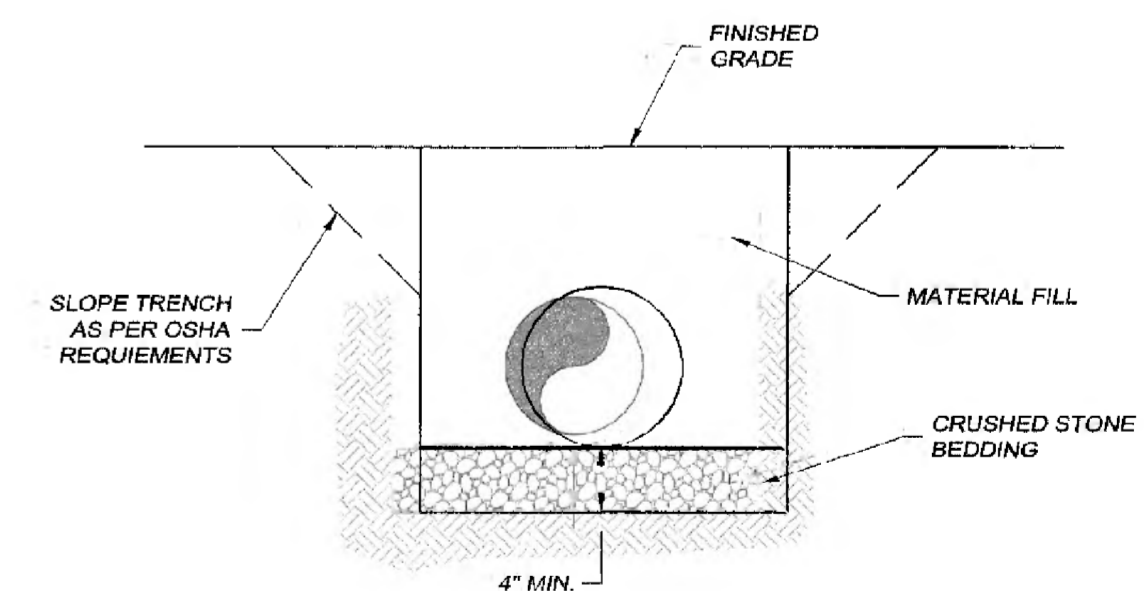


SECTION "A-A"

SECTION "B-B"

TYPICAL CATCH BASIN / JUNCTION BOX DETAIL

SCALE: N.T.S.



NOTES:

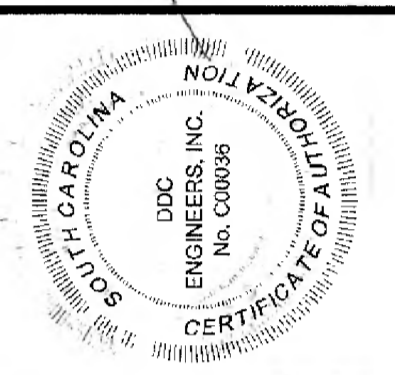
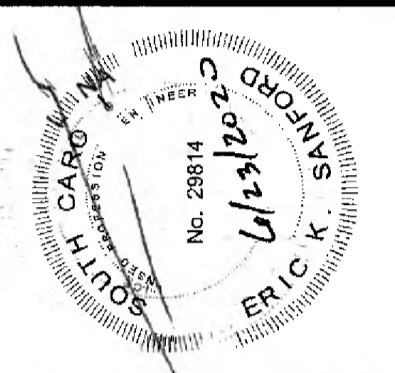
- BEDDING IS REQUIRED WHEN TRENCH BOTTOM IS BELOW THE WATER TABLE.
- BEDDING SHALL BE COMPACTED CRUSHED STONE (CLASS 1 MATERIAL) SHAPED TO THE BOTTOM OF THE PIPE.
- FILL SHALL BE SUITABLE MATERIAL IN NON PAVEMENT AREAS AND AGGREGATE BACKFILL MATERIAL IN PAVEMENT AREAS AND COMPACTED TO 95% OF THE SOILS STANDARD PROCTOR.
- FILL SHALL BE NATIVE MATERIAL FREE OF LARGE ROCKS, DEBRIS OR ORGANICS AND COMPACTED TO 95% OF THE SOIL'S STANDARD PROCTOR.
- FILTER FABRIC TO BE PLACED AT ALL JOINTS.

REINFORCED CONCRETE PIPE BEDDING DETAIL

SCALE: N.T.S.



GINBERG
Consulting Engineers, Surveyors, Planners,
Landscapers, Architects & Environmentalists
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Phone: 843-661-3200 Fax: 843-661-3210



NO.	DATE	REVISION DESCRIPTION	BY
1	10-9-18	SCDPEC COMMENTS	JRE
2	6-23-20	SCDPEC PAVEMENT SECTION DETAIL	DRJ

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MISCELLANEOUS DETAILS

GEORGETOWN COUNTY DIRT ROAD IMPROVEMENTS
GEORGETOWN COUNTY, SOUTH CAROLINA
PREPARED FOR: GEORGETOWN COUNTY

SCALE:	NO SCALE
DATE:	7-13-18
DESIGNED BY:	EKS
DRAWN BY:	PES
APPROV. BY:	EKS
PROJECT NO.:	18009A
10	
FILE NO.:	18009A

REFERENCES

DRAWING 610-005-20 NOTES

- SEE STANDARD DRAWING NO. 610-005-00 FOR ALL GENERAL NOTES AND REQUIREMENTS. THE FOLLOWING NOTES ARE SPECIFIC REQUIREMENTS FOR THIS STANDARD DRAWING.
- WHEN THE WORK ZONE PROCEEDS THROUGH OR MUST ENCR OACH UPON THE "LIMITS OF THE INTERSECTION", DO NOT ALLOW THE "APPROACH TAPER" OR THE "DOWNSTREAM TAPER" OF THE LANE CLOSURE TO ENCR OACH UPON THE "LIMITS OF THE INTERSECTION". ONLY THE "BUFFER SPACE" OR THE "WORK ACTIVITY AREA" OF THE LANE CLOSURE MAY ENCR OACH UPON THE "LIMITS OF THE INTERSECTION".
- WHEN THE WORK ZONE PROCEEDS THROUGH OR MUST ENCR OACH UPON THE "LIMITS OF THE INTERSECTION" WITH "STOP SIGN CONTROLLED" "SIDE ROADS", UTILIZE FLAGGERS TO CONTROL THE TRAFFIC FROM THE INTERSECTING "SIDE ROADS" UNLESS OTHERWISE DIRECTED BY THE ENGINEER. MAINTAIN THESE FLAGGERS IN PLACE FOR THE DURATION THAT ANY PORTION OF THE "BUFFER SPACE" OR THE "WORK ACTIVITY AREA" MAY ENCR OACH UPON THE "LIMITS OF THE INTERSECTION".
- WHEN THE WORK ZONE PROCEEDS THROUGH OR MUST ENCR OACH UPON THE "LIMITS OF THE INTERSECTION" WITH "STOP SIGN CONTROLLED" "SIDE ROADS", THE CONTRACTOR SHOULD CONTINUE THE WORK OPERATIONS THROUGH THE INTERSECTION TO A LOCATION POINT BEYOND THE "LIMITS OF THE INTERSECTION" THAT WILL PERMIT THE WORK TRAIN TO CLEAR THE INTERSECTION AND THE LOCATION OF THE SUBSEQUENT "FLAGGER STATION" BE NO LESS THAN 200' PAST THE "LIMITS OF THE INTERSECTION" UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- WHEN THE WORK ZONE PROCEEDS THROUGH A "STOP SIGN CONTROLLED" "SIDE ROAD" INTERSECTION, CONTINUE THE WORK OPERATIONS THROUGH THE INTERSECTION TO A SPECIFIC LOCATION POINT WITHIN THE "DEPARTURE LANE" NO LESS THAN 300 FT TO 500 FT BEYOND THE LIMITS OF THE INTERSECTION TO ALLOW THE WORK TRAIN AND ALL PORTIONS OF THE LANE CLOSURE TO CLEAR THE INTERSECTION.
- MAINTAIN THE MAXIMUM TIME DURATION OF 5 TO 7 1/2 MINUTES FOR STOPPED TRAFFIC ON THE ROADWAY WHERE THE WORK ACTIVITY IS LOCATED AND BEING CONDUCTED UNLESS OTHERWISE DIRECTED BY THE ENGINEER. WHEN ANY PORTION OF THE "WORK ACTIVITY AREA" ENCR OACHES UPON THE "LIMITS OF THE INTERSECTION", VARIOUS TYPES OF WORK MAY REQUIRE TRAFFIC TO AND FROM THE "SIDE ROADS" BE STOPPED FOR TIME DURATIONS GREATER THAN THE MAXIMUM TIME DURATION OF 5 TO 7 1/2 MINUTES. ONLY WHEN APPROVED BY THE ENGINEER MAY THE MAXIMUM TIME DURATION OF 5 TO 7 1/2 MINUTES FOR STOPPED TRAFFIC FOR THE SIDE ROAD TRAFFIC BE EXCEEDED. IN THE EVENT THE TYPE OF WORK REQUIRES THE SIDE ROAD TRAFFIC BE STOPPED FOR TIME DURATIONS GREATER THAN 5 TO 7 1/2 MINUTES, THE SIDE ROAD TRAFFIC MAY BE STOPPED FOR TIME PERIODS UP TO 20 MINUTES IF APPROVED BY THE ENGINEER. IF THE SIDE ROAD TRAFFIC MUST BE STOPPED FOR TIME PERIODS GREATER THAN 20 MINUTES, CLOSURE OF THE "SIDE ROADS" MAY BE CONSIDERED IF APPROVED BY THE ENGINEER. IN THE EVENT CLOSURE OF THE "SIDE ROADS" IS APPROVED, CLOSE THE "SIDE ROADS" TO TRAFFIC IN ACCORDANCE WITH THE REQUIREMENTS OF STANDARD DRAWING NO. 610-510-00. INSTALL AND MAINTAIN APPROPRIATE DETOURS WHEN NECESSARY AND AS DIRECTED BY THE ENGINEER.

WORK ZONE TRAFFIC CONTROL ENGINEER



Willie E. McConnell, Jr.
SIGNATURE
6/1/2018
DATE

5			
4			
3			
2			
1	4-27-18	WEM	REVISED WORK ACTIVITY DIMENSION AND NOTE 5
0	1-15-15	JCS	NEW DRAWING
#	DATE	CHK	DESCRIPTION



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

STANDARD DRAWING

FLAGGING OPERATIONS WORK ZONES CONTINUING THROUGH STOP SIGN CONTROLLED SIDE ROADS

610-005-20

EFFECTIVE LETTING DATE JAN 2019

(SEE STANDARD DRAWING NO. 610-005-00)
UTILIZE A CHANGEABLE MESSAGE SIGN AS ILLUSTRATED DURING NIGHTTIME FLAGGING OPERATIONS

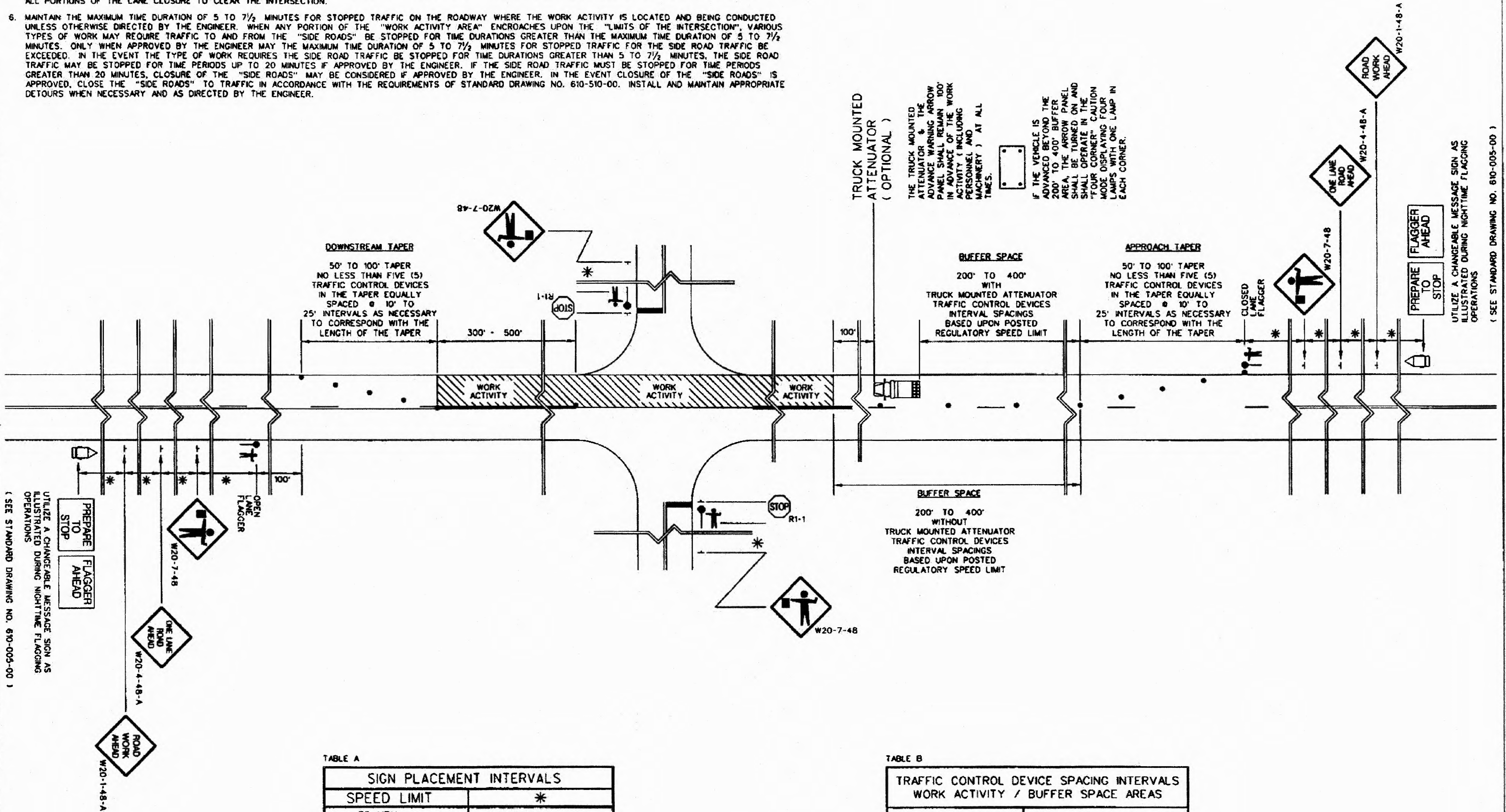


TABLE A

SIGN PLACEMENT INTERVALS	
SPEED LIMIT	*
* ≤ 35 MPH LOW SPEED	200
* 40 - 50 MPH INTERMEDIATE SPEED	350
* 55 MPH HIGH SPEED	500
* REGULATORY POSTED SPEED LIMIT PRIOR TO BEGINNING WORK	

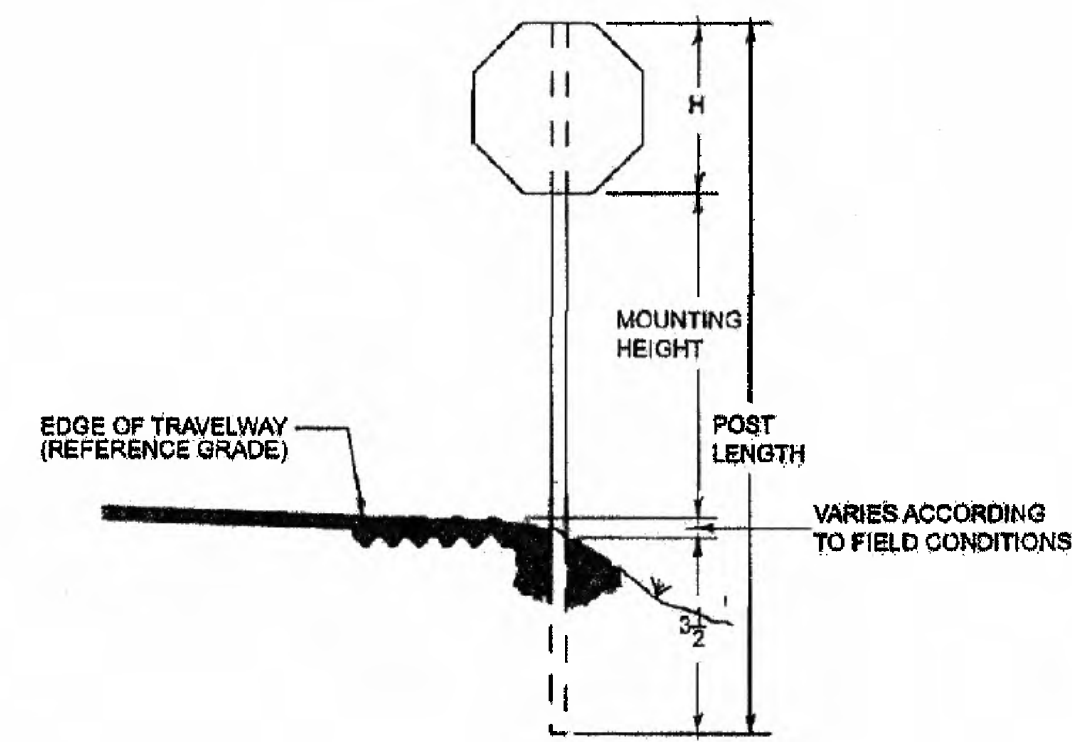
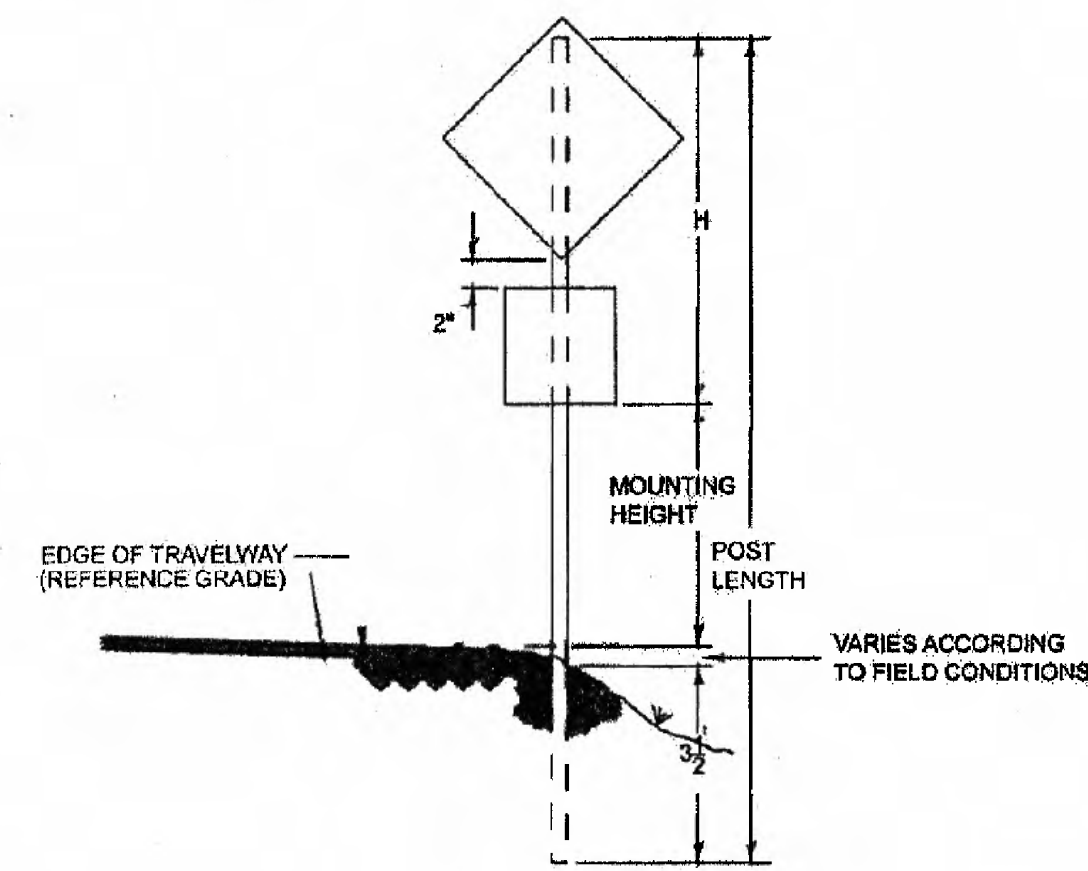
TABLE B

TRAFFIC CONTROL DEVICE SPACING INTERVALS WORK ACTIVITY / BUFFER SPACE AREAS	
SPEED LIMIT	SPACING INTERVALS
≤ 35 MPH	25 FEET
40 - 55 MPH	50 FEET

TRUCK MOUNTED ATTENUATOR (OPTIONAL)
THE TRUCK MOUNTED ATTENUATOR & THE ADVANCE WARNING ARROW PANEL SHALL REMAIN 100' IN ADVANCE OF THE WORK ACTIVITY (INCLUDING PERSONNEL AND MACHINERY) AT ALL TIMES.
IF THE VEHICLE IS ADVANCED BEYOND THE 200' BUFFER AREA, THE ARROW PANEL SHALL BE TURNED ON AND SHALL OPERATE IN THE "FOUR CORNER" CAUTION MODE DISPLAYING FOUR LAMPS WITH ONE LAMP IN EACH CORNER.

UTILIZE A CHANGEABLE MESSAGE SIGN AS ILLUSTRATED DURING NIGHTTIME FLAGGING OPERATIONS
(SEE STANDARD DRAWING NO. 610-005-00)

FLAT SHEET SIGN MOUNTING DETAILS



SIGNS MOUNTED ON FREEWAY RAMPS AND CONVENTIONAL ROADS

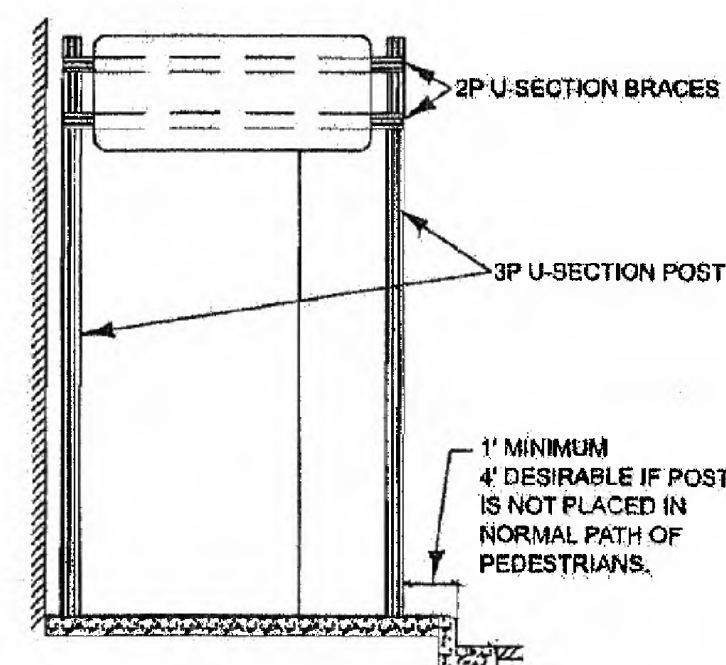
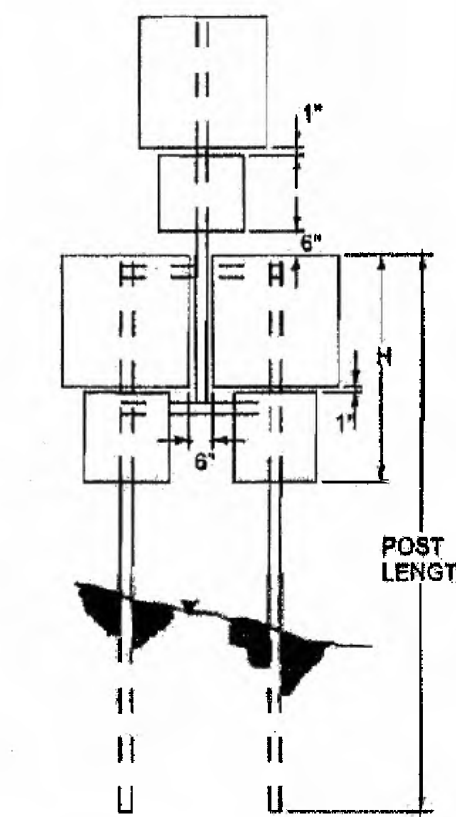
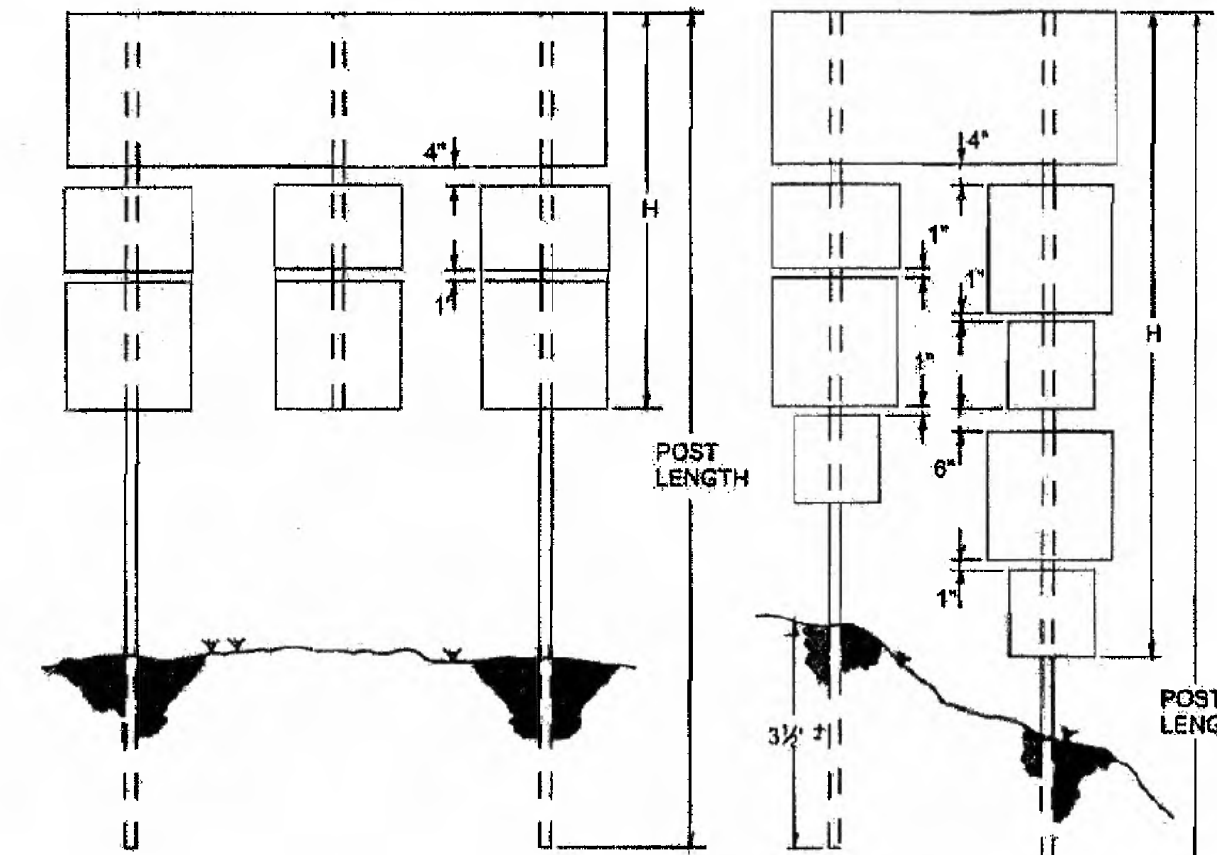


ILLUSTRATION OF SIGN ASSEMBLY SPANNING SIDEWALK

NOTE:
THE PURPOSE OF SPANNING THE SIDEWALK IS TO PROVIDE AN UNOBSTRUCTED WAY FOR PEDESTRIANS, AND AT THE SAME TIME LOCATE SIGNS WITHIN RIGHT-OF-WAY, WITH GOOD VISIBILITY FOR TRAFFIC. EACH INSTALLATION MUST BE INDIVIDUALLY PLANNED AND CONSTRUCTED TO ACCOMPLISH THIS PURPOSE. THE PROJECT ENGINEER SHOULD APPROVE THE CONTRACTOR'S PLAN FOR SUPPORTING SIGNS SPANNING SIDEWALKS BEFORE THEY ARE ERECTED.



REFERENCES

SIGNING AND MARKING ENGINEER



2-11-09
DATE

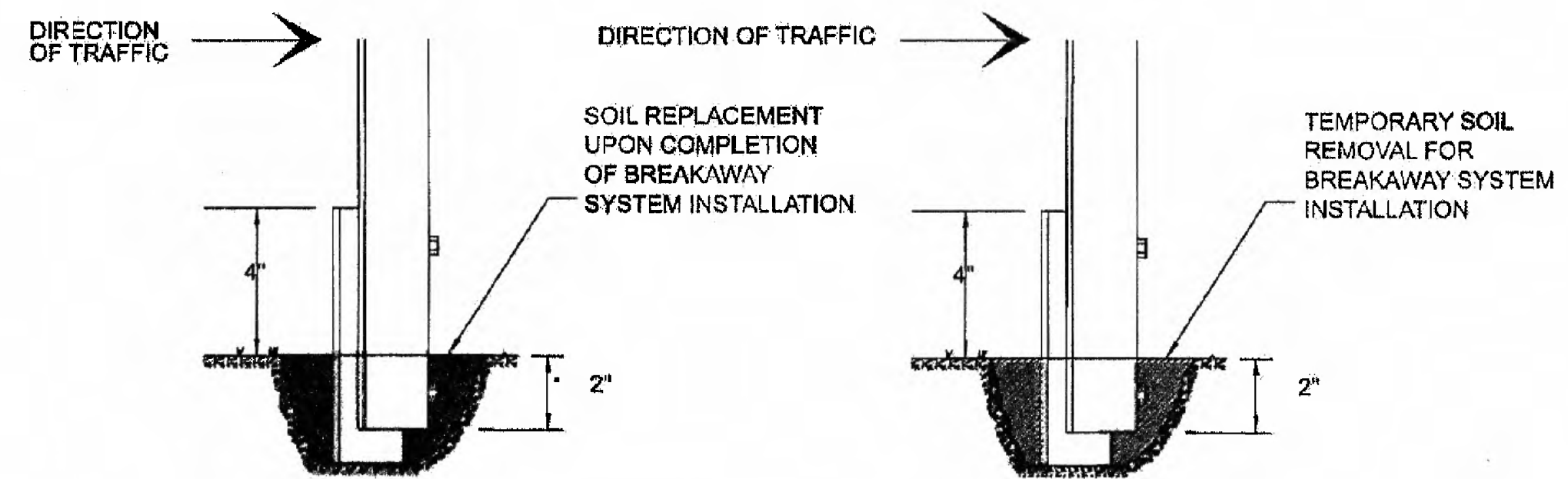
#	DATE	CHK	DESCRIPTION
6			
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3			
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SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING

FLAT SHEET MOUNTING DETAILS

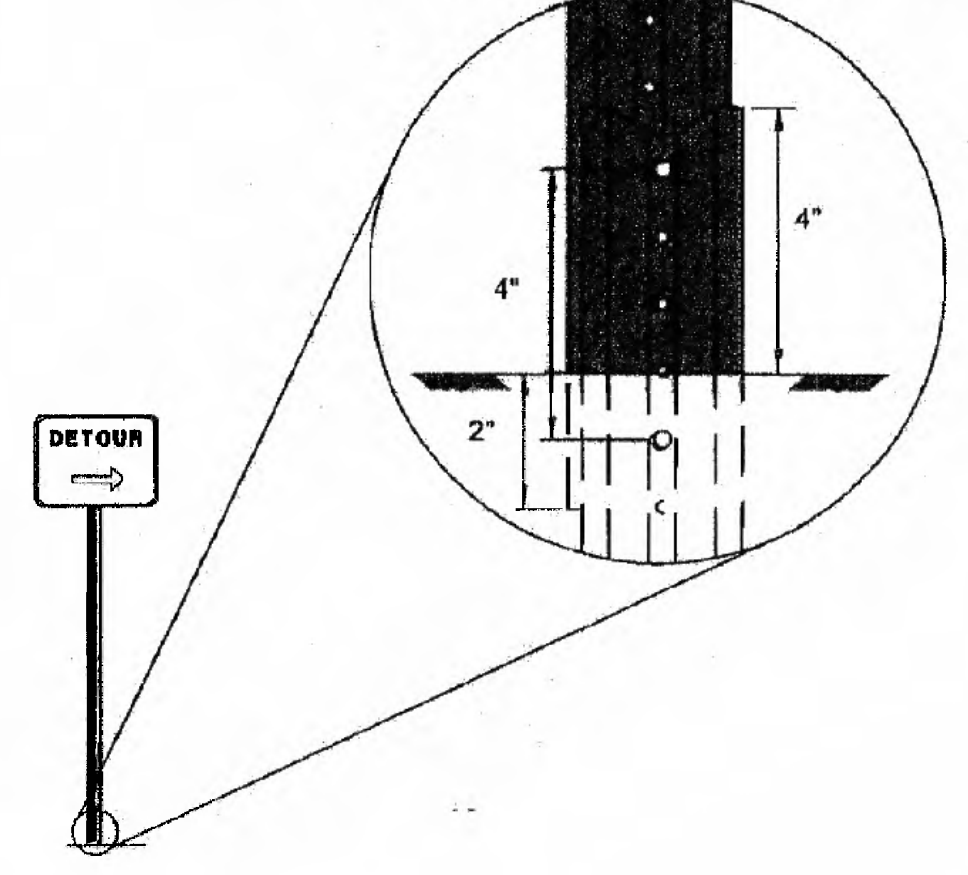
651-110-00
EFFECTIVE LETTING DATE: MAY 2008



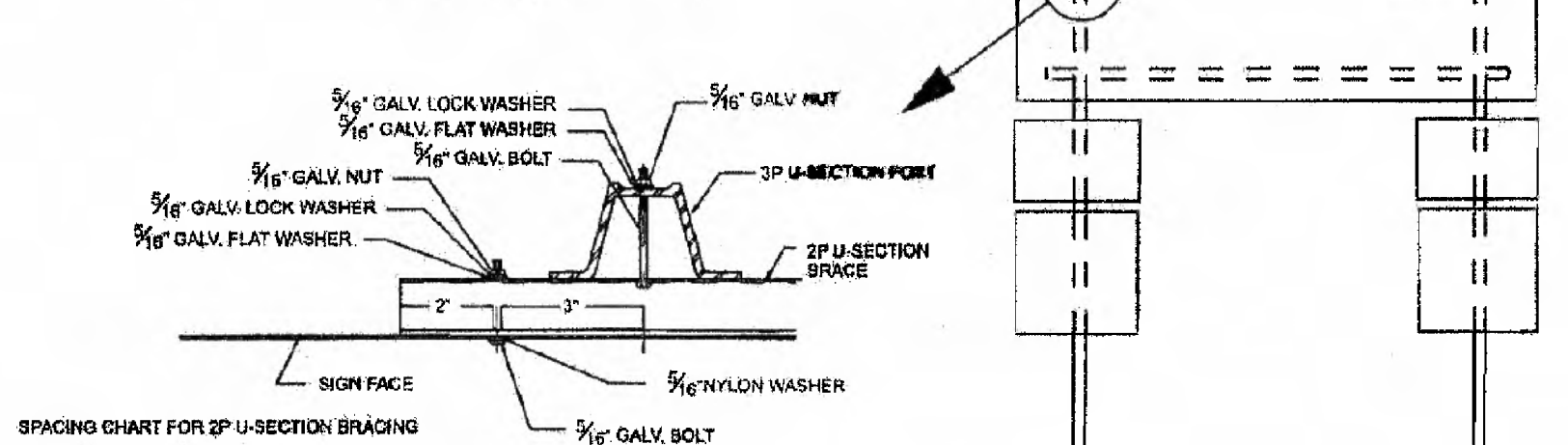
DRIVE THE GROUND SUPPORT (STUB) APPROXIMATELY 30" TO 36" INTO THE GROUND AS SPECIFIED BY THE MANUFACTURER OF THE BREAKAWAY SYSTEM SO THAT NO MORE THAN 4" OF THE GROUND SUPPORT (STUB) EXTENDS ABOVE THE GROUND. REMOVE ENOUGH SOIL FROM AROUND THE GROUND SUPPORT (STUB) TO PERMIT ACCESS TO THE HOLES FOR THE INSERTION AND TIGHTENING OF THE LOWER BOLT OF THE BREAKAWAY SYSTEM. UPON COMPLETING THE INSTALLATION OF THE BREAKAWAY SYSTEM, REPLACE THE SOIL AND TAMP.

LAP SPLICE FOR U-SECTION POSTS

BOLTS MUST BE 4" APART. THE GROUND SUPPORT (STUB) SHALL NOT EXTEND HIGHER THAN 4" ABOVE THE GROUND. ATTACH THE SIGN SUPPORT TO THE BACK OF THE GROUND SUPPORT (STUB) WITH THE APPROPRIATE HARDWARE PROVIDED BY THE MANUFACTURER OF THE BREAKAWAY SYSTEM. OVERALL LENGTH OF THE BREAKAWAY SYSTEM IS 6".



'D' SIGN BRACING



SPACING CHART FOR 3P U-SECTION BRACING (ALWAYS USE 2-2P BRACES)

SIGN WIDTH	BRACE LENGTH
72"	56"
76"	60"
84"	64"
90"	68"
96"	72"
102"	76"
108"	80"
114"	84"
120"	88"
126"	92"
132"	96"
144"	104"
150"	108"
156"	112"

- 1) ALL "D" TYPE SIGNS ARE TO BE SUPPORTED BY 2 VERTICAL U-SECTION POSTS. ALL "D" TYPE SIGNS WHICH ARE 6' WIDE OR WIDER WILL BE HORIZONTALLY BRACED WITH 2, 2P U-SECTION POSTS. ADDITIONALLY, ANY ASSEMBLY OF SIGNS ATTACHED BETWEEN VERTICAL SUPPORTS WILL BE ATTACHED WITH A PRESCRIBED LENGTH OF U-SECTION POST.
- 2) ALL 2P POSTS USED AS CENTER VERTICAL MEMBERS IN SIGN ASSEMBLIES SHALL HAVE HOLES ON 1" CENTERS FOR ENTIRE LENGTH.

SIZE & LENGTH OF U-SECTION POSTS FOR SINGLE SIGNS

POST QUANTITY, SIZE & LENGTH FOR INSTALLATIONS HAVING MORE THAN ONE SIGN ARE SHOWN ON THE PLANS.

SIGN NO.	NO. OF POSTS	POST SIZES				SIGN NO.	NO. OF POSTS	POST SIZES				SIGN NO.	NO. OF POSTS	POST SIZES			
		5' MTG. HT.		7' MTG. HT.				5' MTG. HT.		7' MTG. HT.				5' MTG. HT.		7' MTG. HT.	
		LBS./FT.	LGTH.	LBS./FT.	LGTH.			LBS./FT.	LGTH.	LBS./FT.	LGTH.			LBS./FT.	LGTH.	LBS./FT.	LGTH.
R1-1-24	1	3P	12	3P	14	R11-1-24	1	3P	12	3P	14	W2-1-24	1	3P	12	3P	14
R1-1-30	1	3P	12	3P	14	R11-1-30	2	3P	14	3P	16	W2-1-30	1	3P	13	3P	15
R1-1-48	2	3P	14	3P	16	R11-1-48	2	3P	12	3P	14	W2-1-36	1	3P	14	3P	16
R1-2-36	1	3P	12	3P	14	R11-5-36	2	3P	12	3P	14	W2-2-24	1	3P	12	3P	14
R1-2-48	2	3P	13	3P	15	R11-6-48	2	3P	12	3P	14	W2-5-30	1	3P	13	3P	15
R2-1-24	1	3P	12	3P	14	R11-7-30	1	3P	12	3P	14	W3-1-36	1	3P	14	3P	16
R2-5-24	1	3P	12	3P	14	R18-1-30	1	3P	15	3P	15	W3-2-36	1	3P	14	3P	16
R2-5-48	2	3P	15	3P	17							W5-1-36	1	3P	14	3P	16
R2-8-24	1	3P	12	3P	14							W5-1-36	1	3P	14	3P	16
R4-1-30	1	3P	12	3P	14							W5-2-36	1	3P	14	3P	16
R4-2-24	1	3P	12	3P	14	W1-1-30	1	3P	13	3P	15	W5-3-30	1	3P	13	3P	15
R4-3-24	1	3P	12	3P	14	W1-1-36	1	3P	14	3P	14	W4-1-24	1	3P	12	3P	14
R4-3-36	2	3P	14	3P	16	W1-2-30	1	3P	13	3P	15	W4-1-30	1	3P	13	3P	15
R4-4-2	2	3P	14	3P	16	W1-2-36	1	3P	14	3P	16	W5-4-48	2	3P	14	3P	16
R5-1-30	1	3P	12	3P	14	W1-3-30	1	3P	13	3P	15	W10-1-36	1	3P	13	3P	15
R5-1-36	2	3P	13	3P	15	W1-3-36	1	3P	14	3P	16						
R5-1a-36	2	3P	12	3P	14	W1-4-30	1	3P	13	3P	15						
R5-10a-30	1	3P	13	3P	15	W1-4-36	1	3P	14	3P	16						
R5-1-36	1	3P	10	3P	12	W1-5L-30	1	3P	13	3P	15						
R5-4-36	2	3P	12	3P	14	W1-6-48	2	3P	12	3P	14						
R5-4-2	2	3P	12	3P	14	W1-7-48	2	3P	12	3P	14						

NOTE:
POST LENGTHS SHOWN IN THIS CHART ARE GENERAL AND SHOULD BE USED FOR BID PURPOSES ONLY. CONTRACTOR IS REQUIRED TO VERIFY FIELD CONDITIONS TO DETERMINE EXACT LENGTHS OF POSTS NEEDED.

DELINEATOR POSTS SHALL BE 3/4" U-SECTION POST 7 1/2" LONG.