

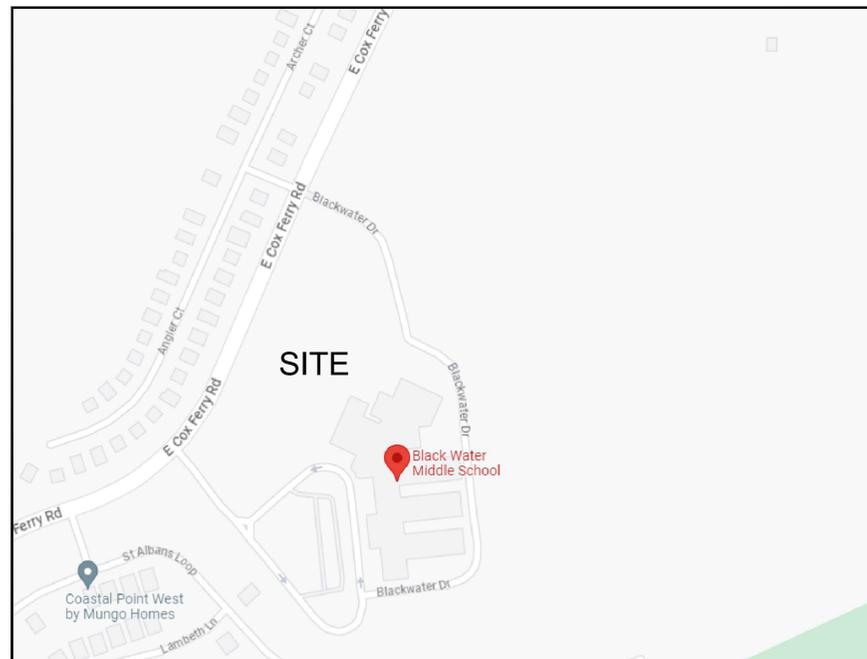
BLACKWATER MIDDLE SCHOOL NEW PARENT LOOP

PREPARED FOR
HORRY COUNTY SCHOOLS

PROJECT LOCATION
CONWAY, SOUTH CAROLINA

PROJ. # 4048200-231685.01

DATE: 5-8-2024



VICINITY MAP NOT TO SCALE

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HORRY COUNTY SCHOOLS
BLACKWATER MIDDLE
SCHOOL NEW PARENT LOOP
MYRTLE BEACH, SOUTH CAROLINA

REVISION

M&H NO: 4048200-231685.01
DATE: 5-8-2024
DESIGNED BY: JMM
DRAWN BY: ATF / JMM
CHECKED BY: KJB
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SHEET CONTENTS
COVER SHEET

SHEET NO.

G-001

SWPPP NOTES / OCRM STANDARD NOTES

SEQUENCE OF CONSTRUCTION

1. INSTALL CONSTRUCTION EXIT
2. INSTALL SILT FENCE AND SEDIMENT AND EROSION CONTROL
3. CONSTRUCT SITE
4. FINE GRADE AND STABILIZE SITE

SITE DATA:

- | | |
|--|--|
| 1. PIN: | 3660000016 |
| 2. TOTAL ACREAGE: | 29.84 ACRES +/- |
| 3. ACREAGE DISTURBED: | 3.25 ACRES +/- |
| 4. NEW IMPERVIOUS AREA: | 1.1 ACRES |
| 5. LIMITS OF GRADING: | WITHIN PROJECT LIMITS |
| 6. PHASING: | THESE PLANS REPRESENT A SINGLE PHASE |
| 7. CONSTRUCTION ACTIVITIES: | CLEARING, GRADING, CONSTRUCTION, GRASSING. |
| 8. RECEIVING WATERBODY: | Sterritt Swamp |
| 9. PREDOMINATE SOIL TYPE(S): | CENTENARY FINE SAND, LEON FINE SAND |
| 10. WETLAND DELINEATION: | NO WETLANDS ON SITE |
| 11. PROJECT TYPE: | SCHOOL |
| 12. ANTICIPATED START DATE: | JUNE 1, 2024 |
| 13. ANTICIPATED END DATE: | DECEMBER 1, 2024 |
| 14. CONSTRUCTION MATERIALS TO BE STORED ON SITE: | AS NEEDED FOR CONSTRUCTION |
| 15. WASTE MATERIALS TO BE STORED ON SITE: | LIMITED STORAGE ON SITE |
| 16. OTHER POLLUTANT SOURCES ON SITE: | NONE |
- LONG TERM MAINTENANCE OF DRAINAGE AND STORM WATER MANAGEMENT SYSTEM

1. ALL INFRASTRUCTURE TO BE MAINTAINED BY HORRY COUNTY SCHOOLS
2. AS-BUILT DRAWINGS WILL BE SUBMITTED TO HORRY COUNTY PRIOR TO FINAL INSPECTION.

GENERAL NOTES:

1. INSPECTIONS SHALL BE CONDUCTED BY QUALIFIED PERSONNEL (SWPPP PREPARER, THOSE UNDER THE DIRECT SUPERVISION OF THE SWPPP PREPARER, AND THOSE WHO ARE CERTIFIED CONSTRUCTION SITE INSPECTORS AS APPROVED BY DHEC.)
2. SEE DHEC / OCRM REGULATIONS FOR SWPPP INSPECTION REPORT REQUIREMENTS.
3. FOR SITE DISTURBING 10 ACRES OR MORE, MONTHLY REPORTS MUST BE SUBMITTED TO DHEC BY THE 28TH OF EACH MONTH FOLLOWING THE REPORTING PERIOD.
4. STABILIZATION MEASURES SHALL BE CONSTRUCTED AS SOON AS PRACTICAL AS CONSTRUCTION PROGRESSES ON DIFFERENT PORTIONS OF THE SITE.
5. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPAIRED OR REPLACED, AS NECESSARY.
6. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION.
7. 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.
8. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFF SITE SEDIMENTATION.
9. 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 THE PAVED SURFACES.
10. THE CONTRACTOR SHALL REMOVE MUD/SOIL FROM PAVEMENT AREA DAILY AS REQUIRED BY THE OWNER, ENGINEER, OR REGULATORY AGENCIES.
11. DELAYS OF GREATER THAN 14 DAYS PRIOR TO START OF ROUGH GRADING SHALL REQUIRE THAT STABILIZATION PROCEDURES BE INITIATED.
12. ACCEPTABLE METHODS OF STABILIZATION INCLUDE MULCHING AND TEMPORARY SEEDING.
13. NO SOLID MATERIALS (INCLUDING BUILDING MATERIALS, TRASH, AND OTHER DEBRIS) SHALL BE DISCHARGED TO THE WATERS OF SOUTH CAROLINA EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

1. 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.
2. 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 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.
3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE 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.
10. 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.
11. 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.
12. STANDARD NOTES REVISED DECEMBER 2012 12
13. 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.
14. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
15. 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.
16. 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.).
17. 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.
18. 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.
19. 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.
20. 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 COUNTY / DHEC HAS APPROVED OTHERWISE.

LONG TERM MAINTENANCE OF DRAINAGE AND STORM WATER MANAGEMENT SYSTEM

1. ALL INFRASTRUCTURE TO BE MAINTAINED BY HORRY COUNTY SCHOOLS.

PROJECT NOTES

HORIZONTAL DATUM: NAD 83
VERTICAL DATUM: NAVD 88
FLOOD ZONE: X

HCS DISTRICT NOTES

1. ALL IMPACTED AREAS INCLUDING BUT NOT LIMITED TO SITE ACCESS, DRAINAGE INSTALLATION, CONCRETE, DEMOLISHING, CONCRETE WASHOUT, AND STAGING AREAS AREA TO BE GRADED AND SODDED AT CONCLUSION OF ACTIVITIES.
2. SOD SHALL BE CENTIPEDE SOD WITH NO MESH BACKING.
3. ALL IRRIGATION LINES DAMAGED SHALL BE REPAIRED PER THE DISTRICT'S CURRENT SPECIFICATIONS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING ALL NEW SOD UNTIL THE ROOT IS ESTABLISHED AND THE GRASS HAS A HEALTHY GROWTH. A FINAL GRASSING INSPECTION IS REQUIRED.
5. THE SITE SHALL BE CLEANED OF ALL TRASH AND DEBRIS ON A DAILY BASIS.

INSPECTION NOTES

1. WEEKLY INSPECTIONS AND REPORTS BY THE CONTRACTOR SHALL BE KEPT ON SITE AND BE READILY AVAILABLE TO THE ENGINEER AND / OR HORRY COUNTY.
2. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED DAILY - ALL MUD SHALL BE REMOVED.
3. FINAL DRAINAGE ASBUILTS SHALL BE REQUIRED AND APPROVED BY HORRY COUNTY PRIOR TO THE ISSUANCE OF CERTIFICATE OF OCCUPANCY (CO).
4. THE LAND DISTURBANCE ACTIVITIES WILL BE ACCOMPLISHED PURSUANT TO TO THE SWPPP AND PLANS. HORRY COUNTY SHALL HAVE THE RIGHT TO ACCESS THE SITE AND CONDUCT INSPECTIONS.

GENERAL NOTES

1. UTILITY LOCATIONS SHOWN ON THESE PLANS ARE BASED ON HORIZONTAL LOCATIONS AT THE TIME OF SURVEY. NO S.U.E. OR VERTICAL LOCATIONS HAVE BEEN DONE AT THIS TIME. CONTRACTOR TO VERIFY LOCATIONS AND COORDINATE WITH UTILITY COMPANIES ON ANY RELOCATIONS NECESSARY. ANY UTILITY INFORMATION ON THESE PLANS AS IT RELATES TO EXISTENCE, LOCATION, OR ELEVATION, HAS BEEN TAKEN FROM INFORMATION SUPPLIED BY OTHERS. THE ENGINEER OR SURVEYOR HAS NOT VERIFIED THIS INFORMATION. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY AND COORDINATE ALL UTILITY INFORMATION AND TO CONTACT THE APPROPRIATE AGENCIES TO OBTAIN AN ACCURATE FIELD LOCATION OF ANY AND ALL UTILITIES THAT MAY BE IN THE VICINITY OF ANY PROPOSED WORK. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES, CONFLICTS WITH ANY PROPOSED WORK. THE ENGINEER SHALL BE ALLOWED TIME TO MAKE ANY NECESSARY DESIGN REVISIONS TO ELIMINATE CONFLICTS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE LOCATING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE COORDINATING AND LOCATING UTILITY LINES AND SERVICES WITH RESPECTIVE UTILITY COMPANIES.
4. ACCESS TO RESIDENCES AND BUSINESS SHALL BE MAINTAINED TO THE MAXIMUM EXTENT POSSIBLE DURING WORKING HOURS. FULL ACCESS SHALL BE PROVIDED AT THE END OF EACH WORK DAY.
5. MANHOLE COVERS AND VALVE BOXES SHALL BE ADJUSTED TO THE FINISHED GRADE. COST FOR THIS ITEM SHALL BE INCLUDED IN THE NEAREST RELATED BID ITEM.
6. ALL DRIVEWAYS ARE SUBJECT TO ADJUSTMENT BY THE ENGINEER.
7. PIPE LENGTHS THAT ARE SHOWN ON THE PLANS ARE ACTUAL LENGTHS CALCULATED ALONG THE PIPE SLOPE FROM CENTER OF BOX TO CENTER OF BOX. FIELD ADJUSTMENTS OF THE ACTUAL PIPE LENGTHS MAY BE NECESSARY. ALL EXPOSED PIPE ENDS SHALL HAVE FLARED AND SECTIONS.
8. ALL UNDERGROUND UTILITIES AND/OR CONDUITS AT PAVED AREAS MUST BE IN PLACE PRIOR TO PAVEMENT BASE CONSTRUCTION. CONTRACTOR SHALL INSURE COMPACTION IN THOSE AREAS.
9. THE CONTRACTOR SHALL ADHERE TO THE WEIGHT LIMITS PRESCRIBED ON COUNTY/ CITY / STATE MAINTAINED ROADS FOR HAULING EQUIPMENT AND/OR MATERIALS TO AND FROM THIS SITE. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGES TO THE STREETS AND/OR UTILITIES DUE TO NONCOMPLIANCE OF WEIGHT LIMIT REGULATIONS.
10. THE CONTRACTOR SHALL PROVIDE SIGNAGE FOR TRAFFIC CONTROL DURING CONSTRUCTION. ALL WORK IS INTERNAL TO THE PROJECT SITE - TRAFFIC CONTROL WILL BE FIELD ADJUSTED BY THE ENGINEER / INSPECTORS.
11. EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION) AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING AND THE HORRY COUNTY STANDARD DETAILS AND SPECIFICATIONS.
12. LIGHT FIXTURES SHALL BE FULL-CUTOFF AND MEET ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) CRITERIA. LIGHTING SHALL BE AIMED STRAIGHT DOWN. LIGHTING SHALL NOT PRODUCE ILLUMINATION THAT EXCEEDS 1 FOOTCANDLE BEYOND ANY RESIDENTIAL LOT LINE.
13. ALL PROPOSED SIGNAGE WILL NEED TO BE SUBMITTED SEPARATELY FOR REVIEW.
14. NO COVENANTS OR RESTRICTIONS THAT CONFLICT WITH ANY OF THE PROPOSED USES WERE FOUND BY THIS OFFICE.



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ABBREVIATIONS

HDPE	HIGH DENSITY POLYETHYLENE
BOT	BOTTOM
DIP	DUCTILE IRON PIPE
EL	ELEVATION
FG	FINISHED GRADE
FM	FORCE MAIN (SANITARY SEWER)
FR	FRAME
GI	GRATE INLET
IE	INVERT ELEVATION
LF	LINEAR FEET
MAX	MAXIMUM
MIN	MINIMUM
OC	ON CENTER
PC	POINT OF CURVE
PT	POINT OF TANGENT
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
RJP	RESTRAINED JOINT PIPE
R/W	RIGHT-OF-WAY
SD	STORM DRAINAGE
SDMH	STORM DRAINAGE MANHOLE
SF	SQUARE FEET
SGD	SUBGRADE DRAIN
SS	SANITARY SEWER
TC	TOP OF CURB
TG	TOP OF GUTTER
TP	TOP OF PAVEMENT
TW	TOP OF WALK
TYP	TYPICAL
W	WATER
W/	WITH
WV	WATER VALVE
Ø	DIAMETER

DESCRIPTION

RIGHT-OF-WAY LINE	---
PROPERTY LINE	---
CENTER LINE OF ROAD	---
TREE LINE	~~~~~
CONTOUR	8 + 5.6 44.47
SPOT ELEVATION	521.25 25.24
TREE PROTECTION	---
CLEARING LIMITS	CL CL CL
TREE	● 24 IN. PINE
TREE TO BE REMOVED	⊗ 12 IN OAK
ASPHALT PAVEMENT	=====
SANITARY SEWER PIPE	-----
FORCE MAIN	----- 4" FM -----
WATER PIPE	----- EX 10" W -----
SANITARY SEWER MH	●
WATER VALVE	⊗
FIRE HYDRANT	⊗
NATURAL GAS	--- NG ---
TELEPHONE	--- T --- T ---
UNDERGROUND TELEPHONE	--- UT --- UT ---
ELECTRICITY	--- E --- E ---
UNDERGROUND ELECTRICITY	--- UGE --- UGE ---
HOODED INLET	⌑
GRATE INLET TYPE	⌑
CONCRETE CURB & GUTTER	=====
STORM DRAINAGE PIPE	-----
STORM MANHOLE OR JUNCTION BOX	●

LEGEND

EXISTING

PROPOSED



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SCHOOL NEW PARENT LOOP
MYRTLE BEACH, SOUTH CAROLINA

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DRAWN BY: ###

CHECKED BY: ###

DO NOT SCALE DRAWINGS

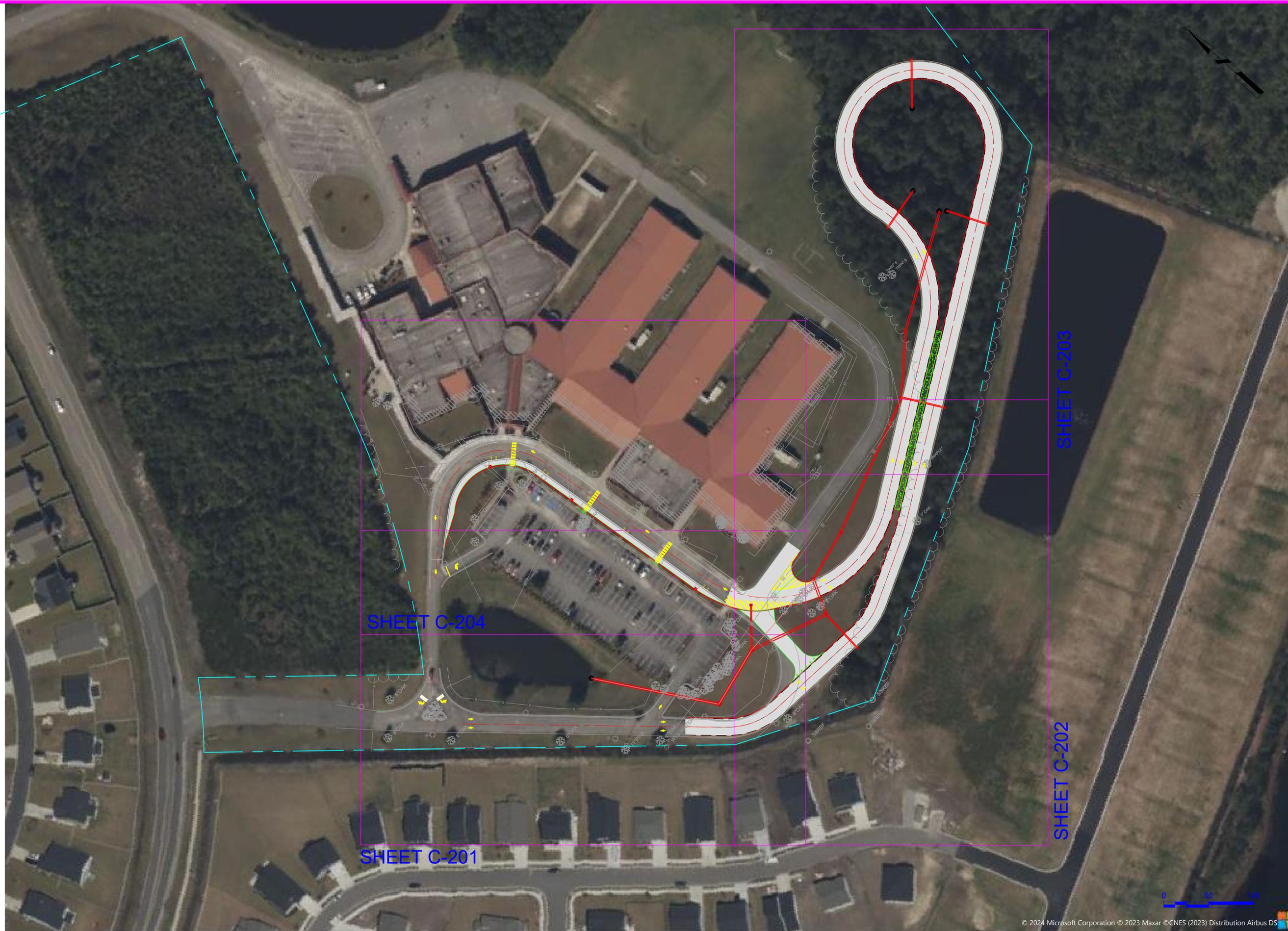
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INDEX AND NOTES

SHEET NO.

C-100

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BLACKWATER MIDDLE
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SHEET CONTENTS
OVERALL SITE PLAN

SHEET NO.

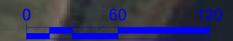
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SHEET C-201



DEMOLITION NOTES AND EROSION CONTROL NOTES:

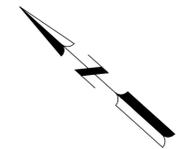
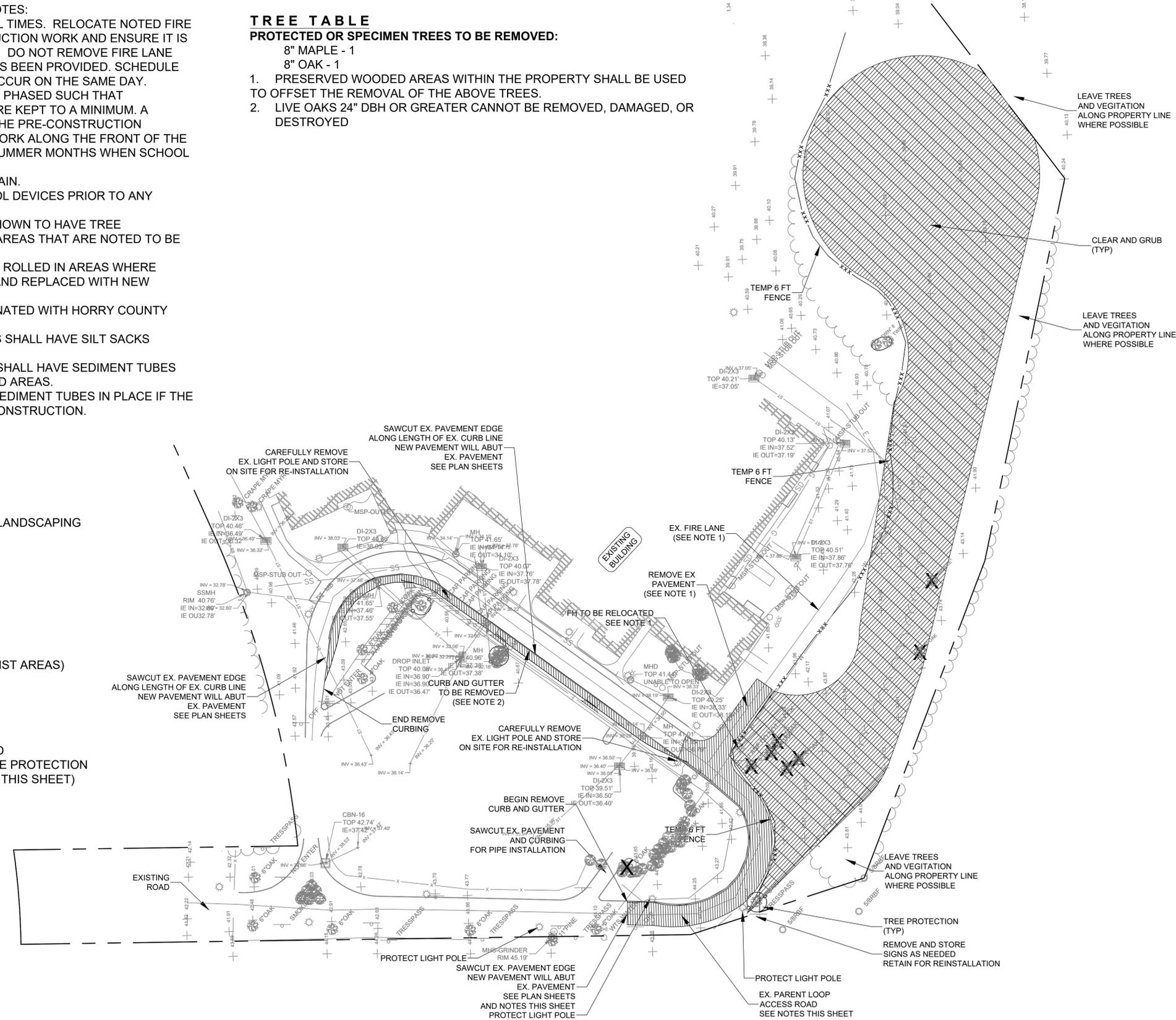
1. FIRE ACCESS MUST BE MAINTAINED AT ALL TIMES. RELOCATE NOTED FIRE HYDRANT PRIOR TO ANY OTHER CONSTRUCTION WORK AND ENSURE IT IS BACK IN SERVICE PRIOR TO OTHER WORK. DO NOT REMOVE FIRE LANE UNTIL ALTERNATE NEW WORK ACCESS HAS BEEN PROVIDED. SCHEDULE FIRE LANE REMOVAL AND REPAVING TO OCCUR ON THE SAME DAY.
2. DEMOLITION AND CONSTRUCTION WILL BE PHASED SUCH THAT DISRUPTIONS TO SCHOOL OPERATIONS ARE KEPT TO A MINIMUM. A PHASING PLAN SHALL BE DISCUSSED AT THE PRE-CONSTRUCTION MEETING. EXISTING PARENT LOOP AND WORK ALONG THE FRONT OF THE SCHOOL SHALL BE SCHEDULED DURING SUMMER MONTHS WHEN SCHOOL IS NOT IN SESSION.
3. ALL DRAINAGE STRUCTURES ARE TO REMAIN.
4. INSTALL SEDIMENT AND EROSION CONTROL DEVICES PRIOR TO ANY WORK.
5. DO NOT REMOVE ANY TREES THAT ARE SHOWN TO HAVE TREE PROTECTION - EVEN IF THEY ARE WITHIN AREAS THAT ARE NOTED TO BE CLEARED.
6. SUB-GRADE MUST BE TESTED AND PROOF ROLLED IN AREAS WHERE EXISTING PAVEMENT IS TO BE REMOVED AND REPLACED WITH NEW PAVEMENT SECTION.
7. STOCKPILE LOCATIONS MUST BE COORDINATED WITH HORRY COUNTY SCHOOLS.
8. ALL NEWLY CONSTRUCTED CATCH BASINS SHALL HAVE SILT SACKS DURING CONSTRUCTION.
9. ALL NEWLY CONSTRUCTED CURB INLETS SHALL HAVE SEDIMENT TUBES UNTIL STONE IS COMPACTED IN THE PAVED AREAS.
10. ALL EXISTING CURB INLETS SHALL HAVE SEDIMENT TUBES IN PLACE IF THE ADJACENT AREA IS DISTURBED DURING CONSTRUCTION.

**TREE TABLE
PROTECTED OR SPECIMEN TREES TO BE REMOVED:**

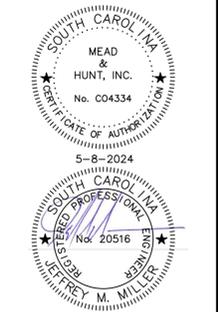
- 8" MAPLE - 1
 - 8" OAK - 1
1. PRESERVED WOODED AREAS WITHIN THE PROPERTY SHALL BE USED TO OFFSET THE REMOVAL OF THE ABOVE TREES.
 2. LIVE OAKS 24" DBH OR GREATER CANNOT BE REMOVED, DAMAGED, OR DESTROYED

DEMOLITION LEGEND

-  REMOVE PAVEMENT / BASE / LANDSCAPING CONCRETE, WALKS
-  REMOVE AND STORE ON SITE
-  CLEAR / GRUB
-  AREA TO BE GRASSED (ALL DIST AREAS) 1.52 AC +/-
-  TREE TO BE REMOVED
-  TREE PROTECTION REQUIRED (OTHER TREES WITHOUT TREE PROTECTION ARE TO REMAIN - SEE NOTES THIS SHEET)



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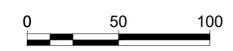


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**HORRY COUNTY SCHOOLS
 BLACKWATER MIDDLE
 SCHOOL NEW PARENT LOOP
 CONWAY, SOUTH CAROLINA**

REVISION: ----
 M&H NO.: 4048200-231685.01
 DATE: 5-8-2024
 DESIGNED BY: JMM
 DRAWN BY: ATF / JMM
 CHECKED BY: KJB
 DO NOT SCALE DRAWINGS

SHEET CONTENTS
DEMOLITION PLAN
 SHEET NO.



C-200

SEDIMENT AND EROSION CONTROL NOTES

1. INSTALL SEDIMENT AND EROSION CONTROL DEVICES PRIOR TO ANY WORK.
2. DO NOT REMOVE ANY TREES THAT ARE SHOWN TO HAVE TREE PROTECTION - EVEN IF THEY ARE WITHIN AREAS THAT ARE NOTED TO BE CLEARED.
3. STOCKPILE LOCATIONS MUST BE COORDINATED WITH Horry COUNTY SCHOOLS.
4. ALL NEWLY CONSTRUCTED CATCH BASINS SHALL HAVE SILT SACKS DURING CONSTRUCTION AND / OR SEDIMENT TUBES.
5. ALL NEWLY CONSTRUCTED CURB INLETS SHALL HAVE SEDIMENT TUBES UNTIL STONE IS COMPACTED IN THE PAVED AREAS.
6. ALL EXISTING CURB INLETS SHALL HAVE SEDIMENT TUBES IN PLACE IF THE ADJACENT AREA IS DISTURBED DURING CONSTRUCTION.



Mead & Hunt, Inc.
333 Wellness Drive
Myrtle Beach, SC 29579
phone: 843-839-1490
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Horry County Schools
Blackwater Middle School
New Parent Loop
Conway, South Carolina

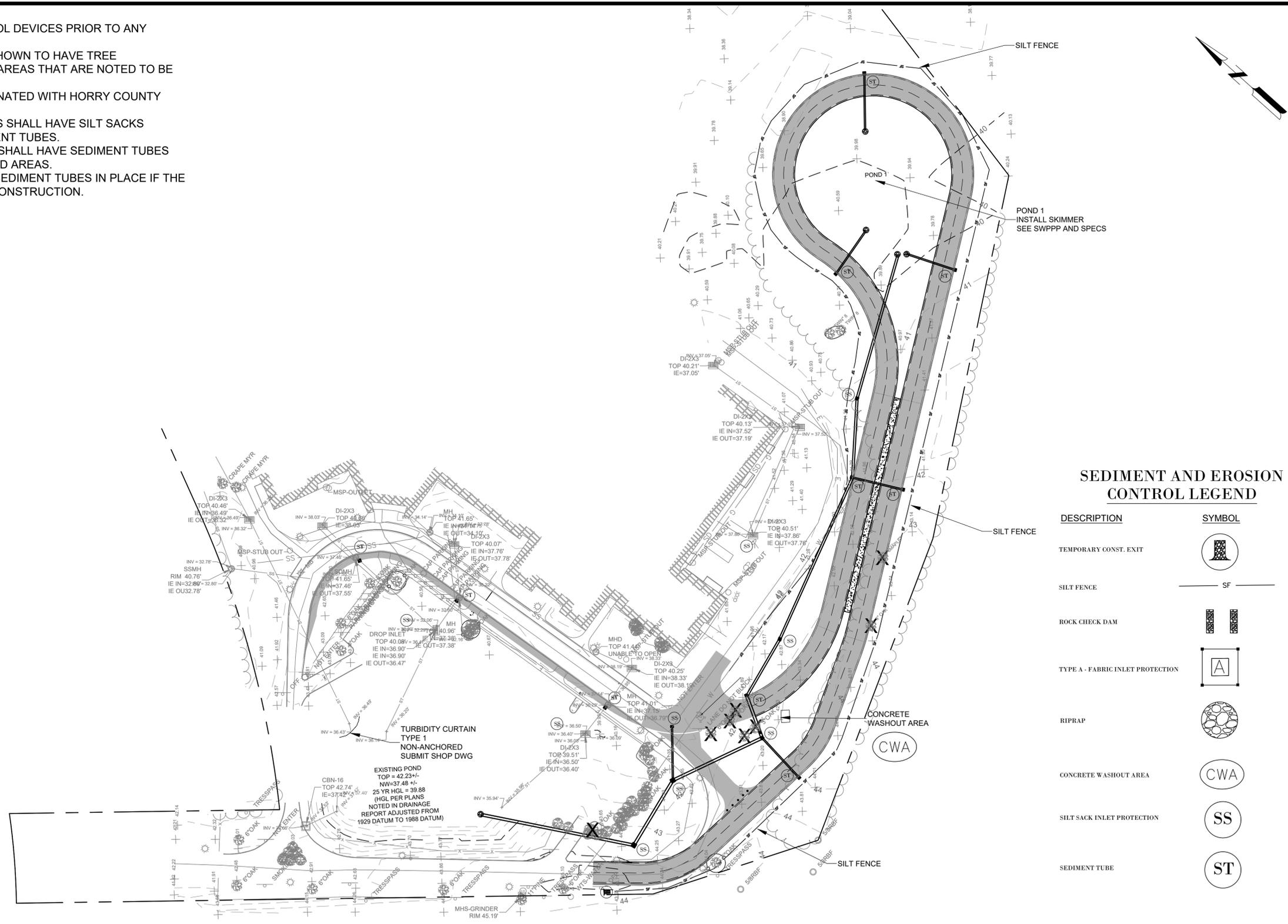
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SHEET CONTENTS
SEDIMENT AND EROSION CTRL PLAN

SHEET NO.

C-200A



SEDIMENT AND EROSION CONTROL LEGEND

DESCRIPTION	SYMBOL
TEMPORARY CONST. EXIT	[Symbol]
SILT FENCE	SF
ROCK CHECK DAM	[Symbol]
TYPE A - FABRIC INLET PROTECTION	[Symbol]
RIPRAP	[Symbol]
CONCRETE WASHOUT AREA	CWA
SILT SACK INLET PROTECTION	SS
SEDIMENT TUBE	ST



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**HORRY COUNTY SCHOOLS
BLACKWATER MIDDLE
SCHOOL NEW PARENT LOOP
CONWAY, SOUTH CAROLINA**

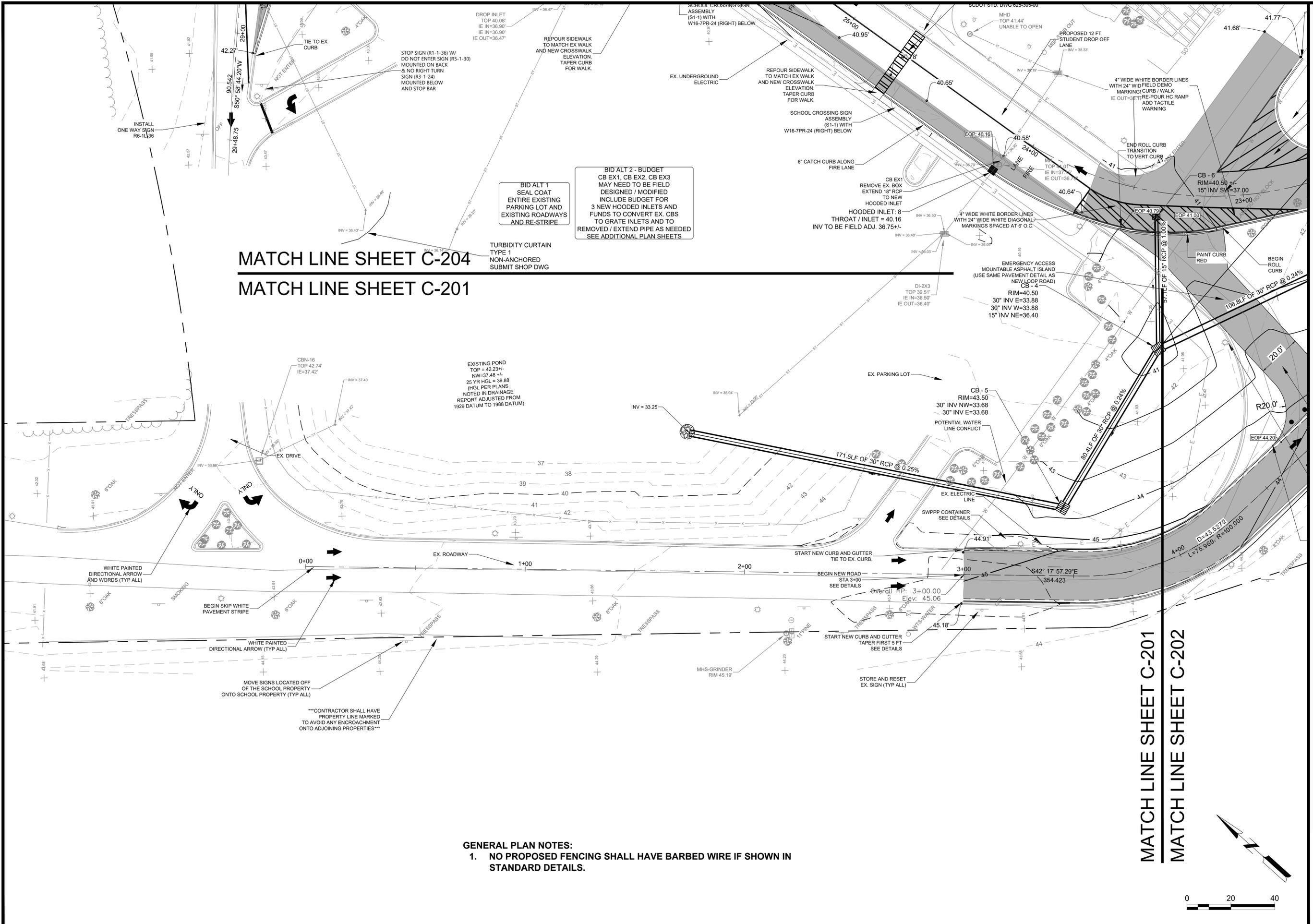
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SHEET CONTENTS
SITE PLAN

SHEET NO.

C-201



MATCH LINE SHEET C-204
MATCH LINE SHEET C-201

MATCH LINE SHEET C-201
MATCH LINE SHEET C-202

GENERAL PLAN NOTES:
1. NO PROPOSED FENCING SHALL HAVE BARBED WIRE IF SHOWN IN STANDARD DETAILS.





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**HORRY COUNTY SCHOOLS
BLACKWATER MIDDLE
SCHOOL NEW PARENT LOOP
CONWAY, SOUTH CAROLINA**

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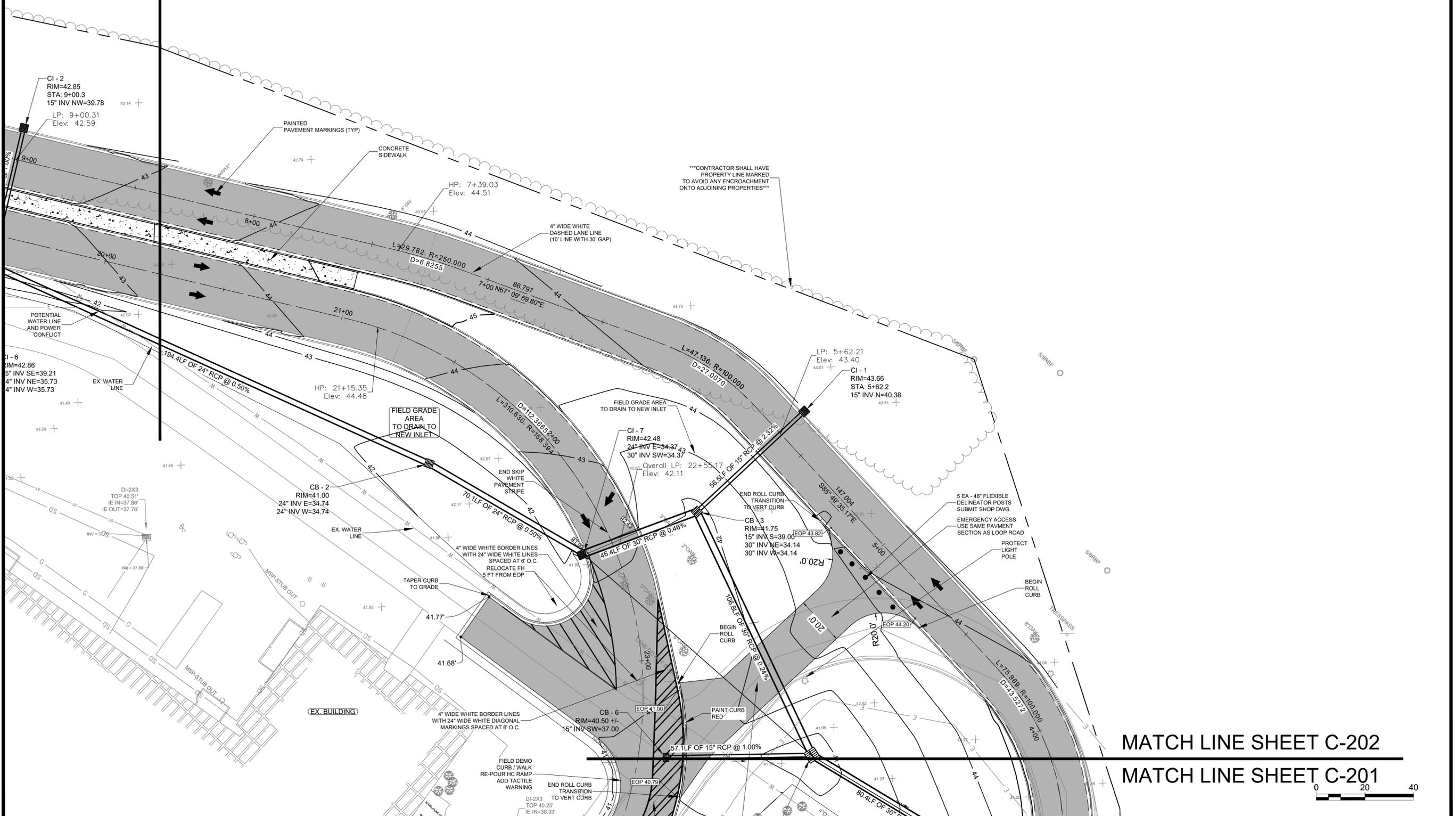
SHEET CONTENTS
SITE PLAN

SHEET NO.

C-202



MATCH LINE
SHEET C-203
MATCH LINE
SHEET C-202



CONTRACTOR SHALL HAVE PROPERTY LINE MARKED TO AVOID ANY ENCROACHMENT ONTO ADJOINING PROPERTIES

MATCH LINE SHEET C-202

MATCH LINE SHEET C-201



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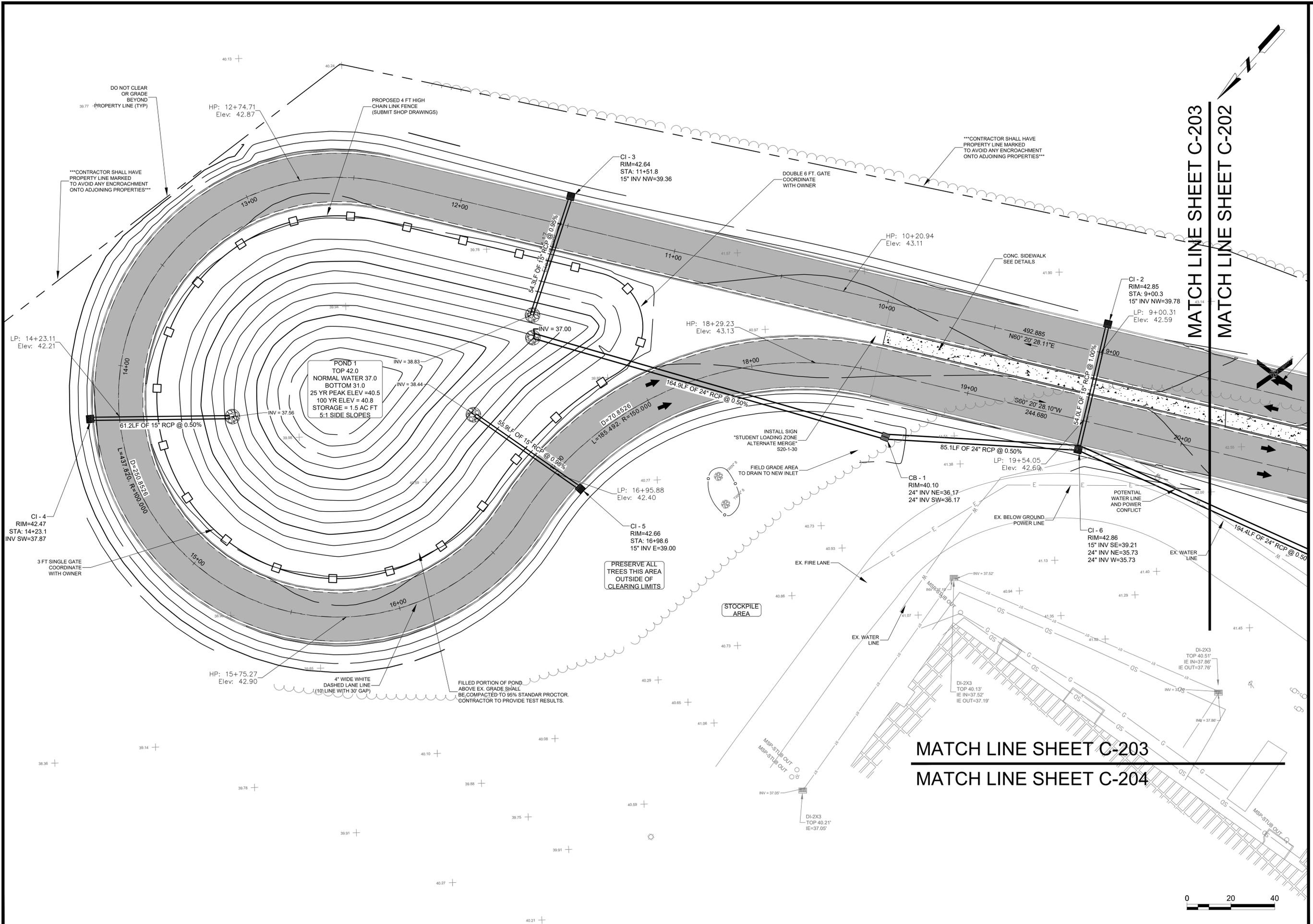
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SHEET CONTENTS
SITE PLAN

SHEET NO.

C-203



MATCH LINE SHEET C-203

MATCH LINE SHEET C-202

MATCH LINE SHEET C-203

MATCH LINE SHEET C-204



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**HORRY COUNTY SCHOOLS
BLACKWATER MIDDLE
SCHOOL NEW PARENT LOOP
CONWAY, SOUTH CAROLINA**

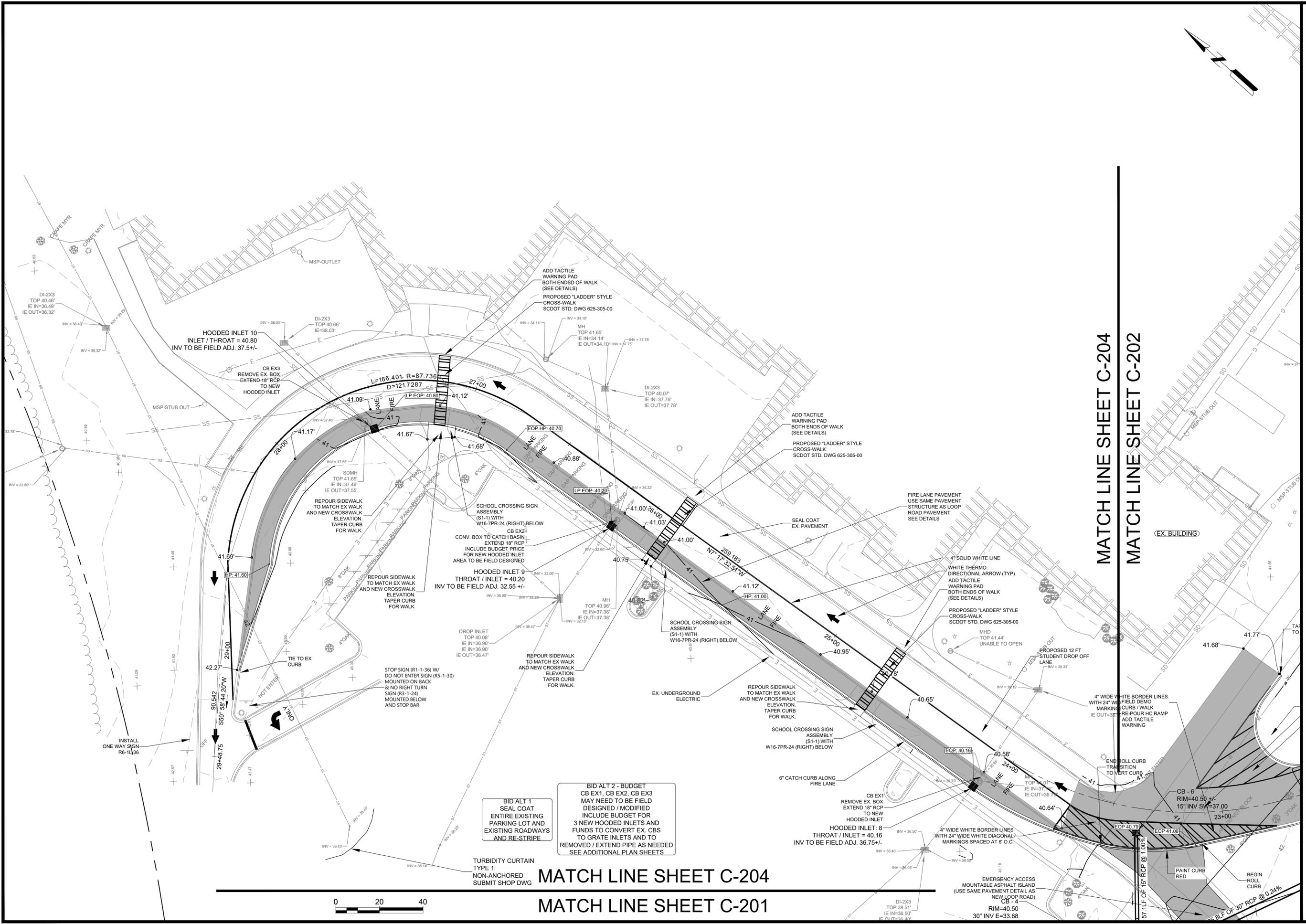
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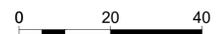
SHEET CONTENTS
SITE PLAN

SHEET NO.

C-204



MATCH LINE SHEET C-204
MATCH LINE SHEET C-201



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BLACKWATER MIDDLE
SCHOOL NEW PARENT LOOP
CONWAY, SOUTH CAROLINA**

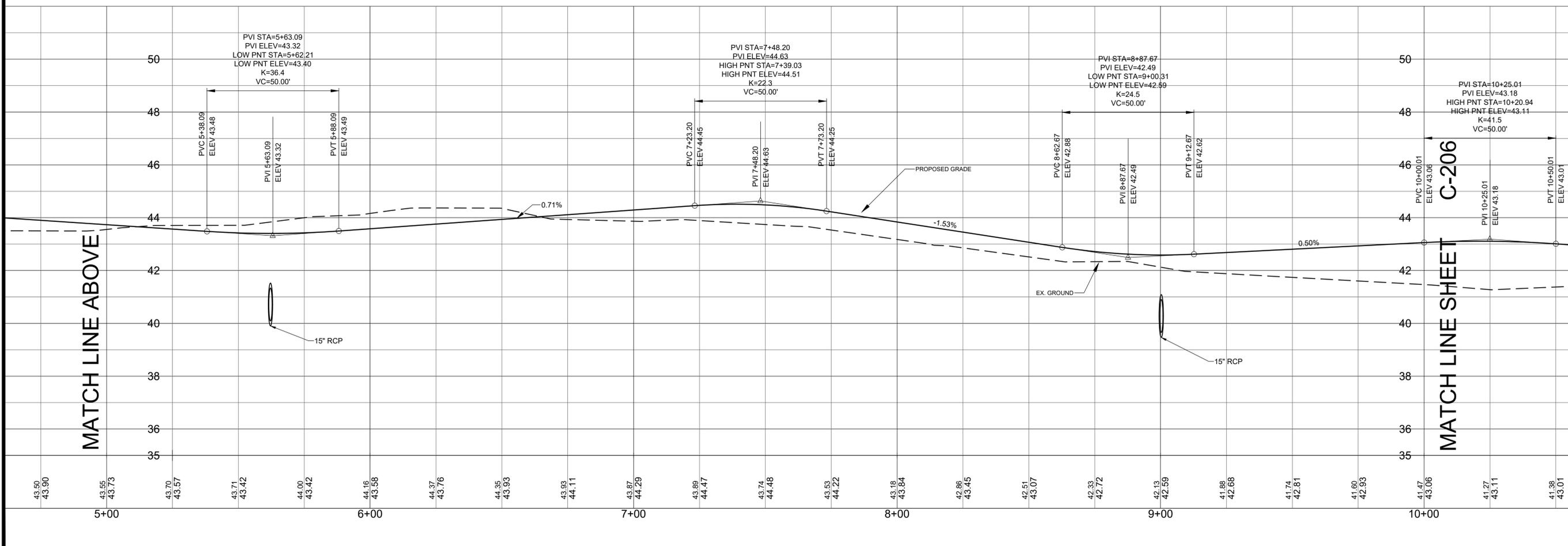
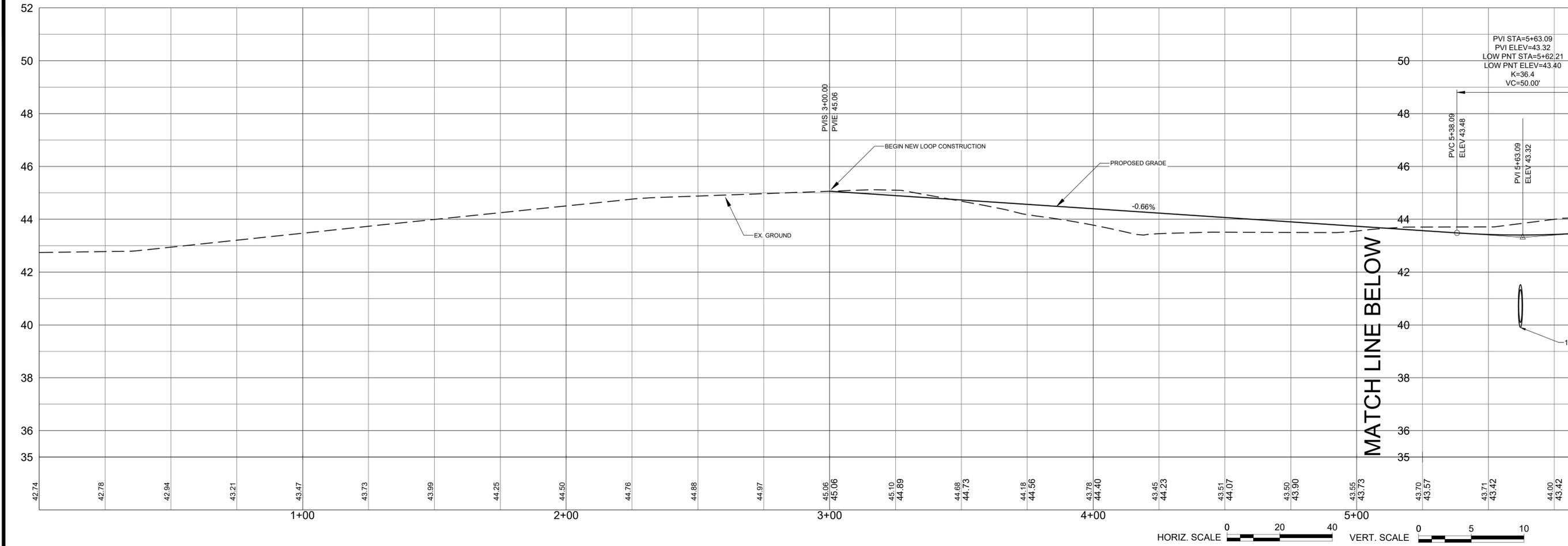
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SHEET CONTENTS
ROAD PROFILES

SHEET NO.

C-205



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BLACKWATER MIDDLE
SCHOOL NEW PARENT LOOP
CONWAY, SOUTH CAROLINA**

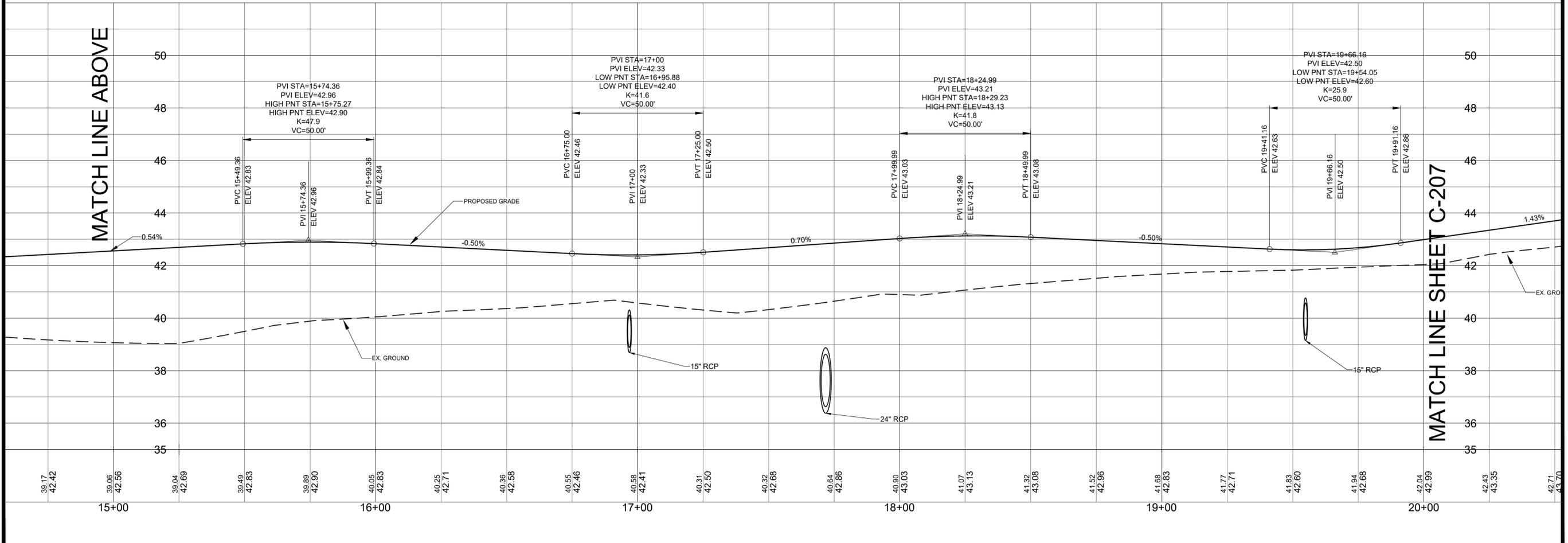
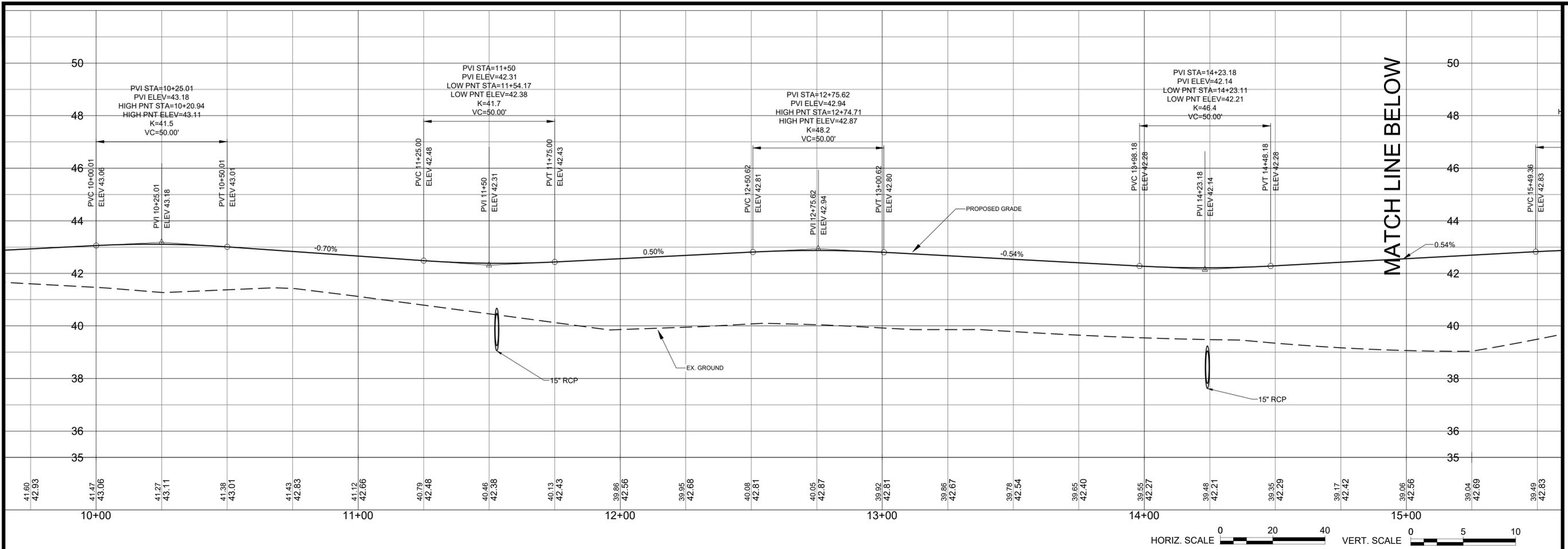
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SHEET CONTENTS
ROAD PROFILES

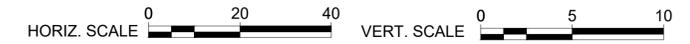
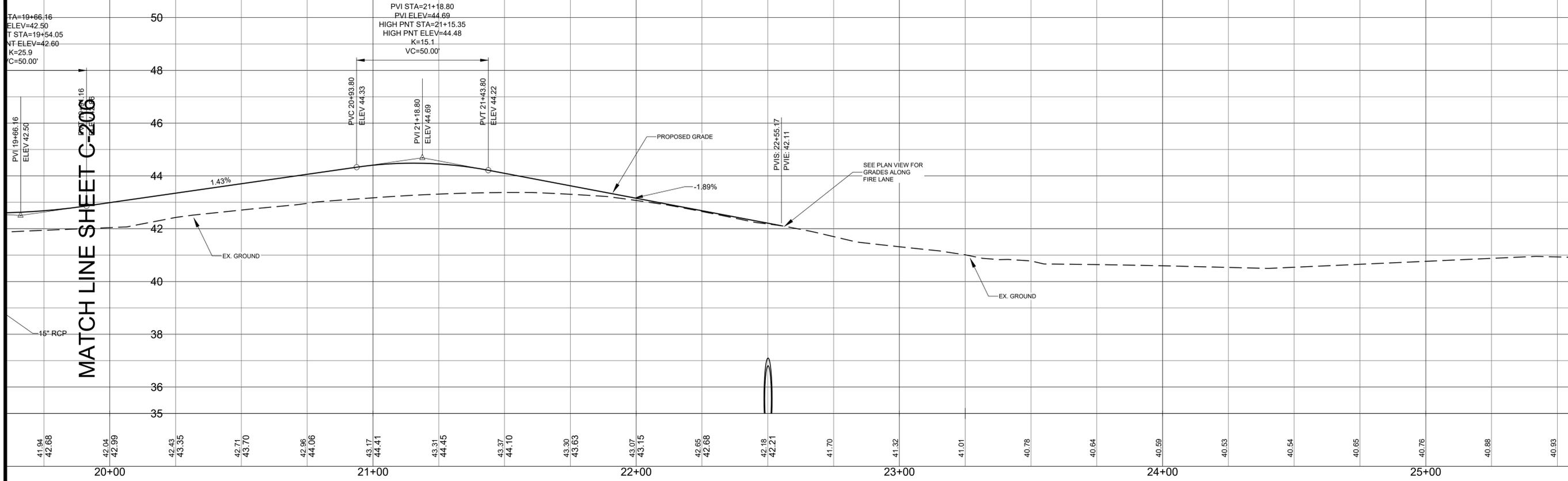
SHEET NO.

C-206



TA=19+66.16
 ELEV=42.50
 T STA=19+54.05
 HT ELEV=42.60
 K=25.9
 C=50.00'

MATCH LINE SHEET C-206



Mead & Hunt

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 333 Wellness Drive
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 phone: 843-839-1490
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SCHOOL NEW PARENT LOOP
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SHEET CONTENTS
 ROAD PROFILES

SHEET NO.

C-207



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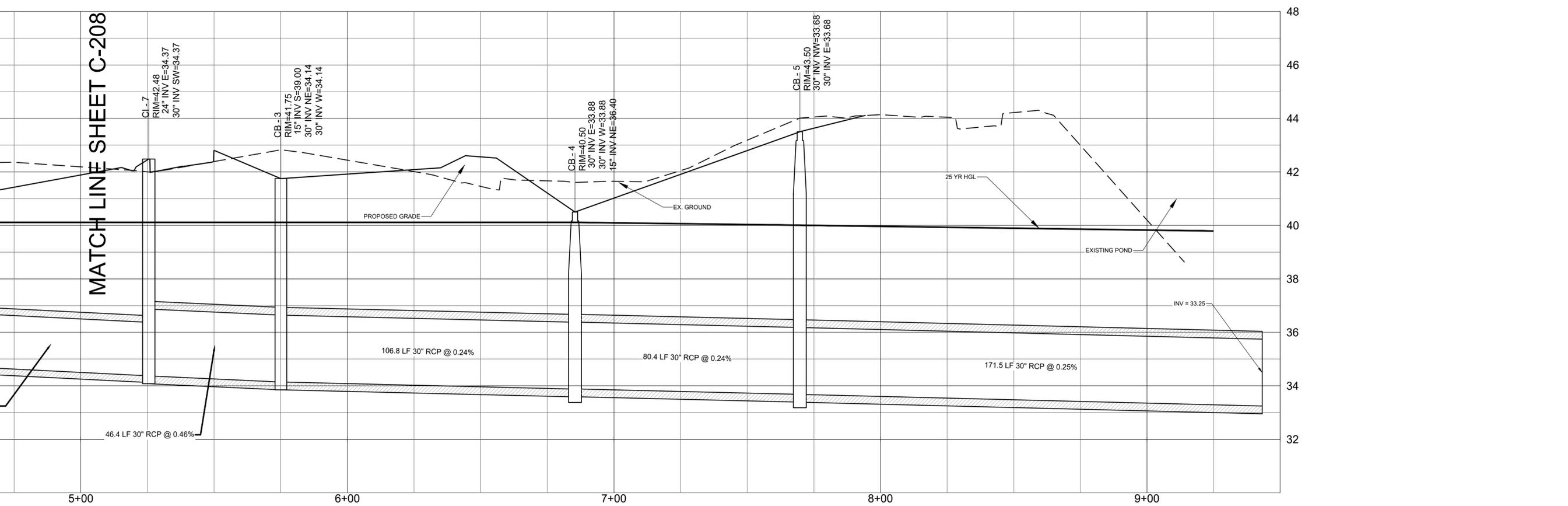
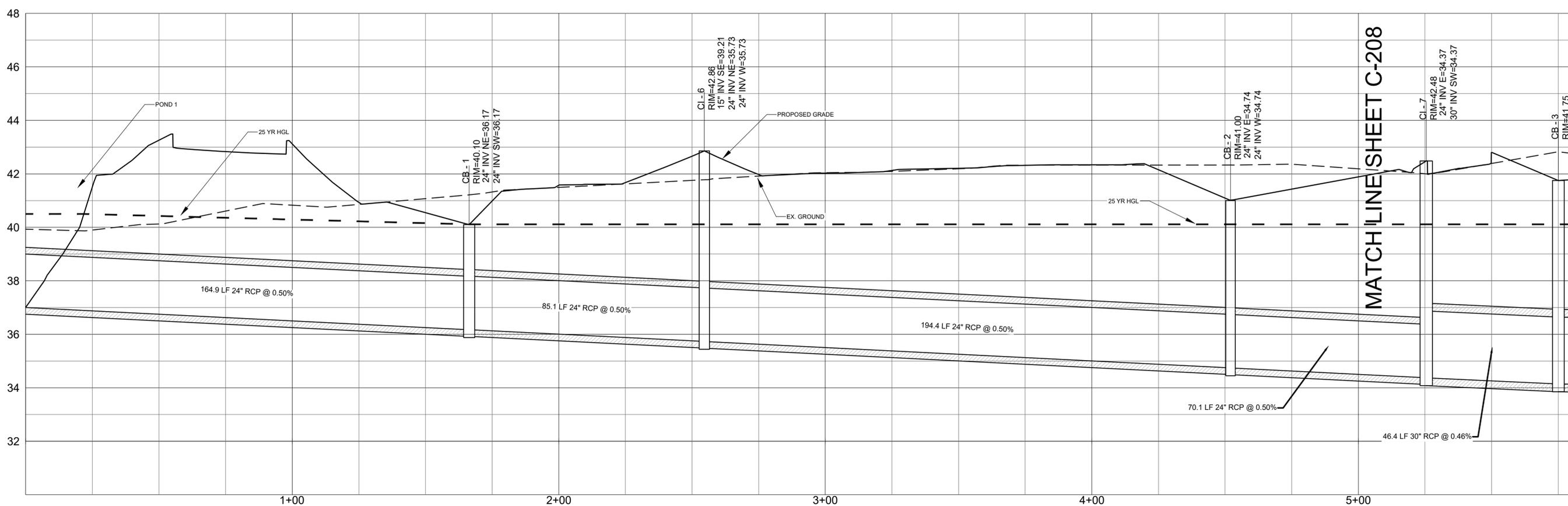
REVISION	DATE	BY

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SHEET CONTENTS
STORM PROFILES

SHEET NO.

C-208



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**HORRY COUNTY SCHOOLS
BLACKWATER MIDDLE
SCHOOL NEW PARENT LOOP
CONWAY, SOUTH CAROLINA**

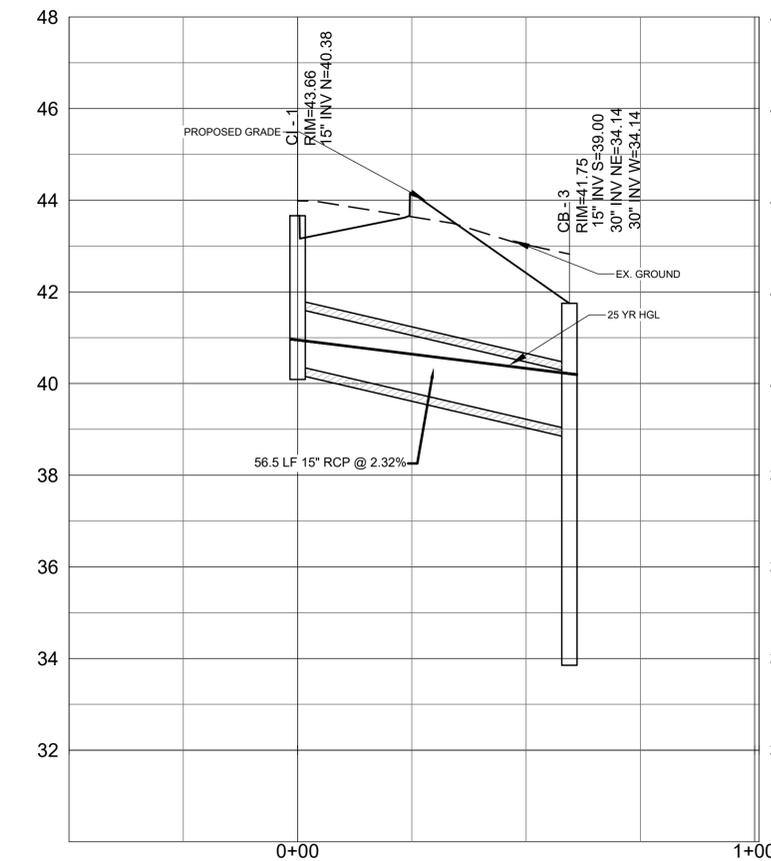
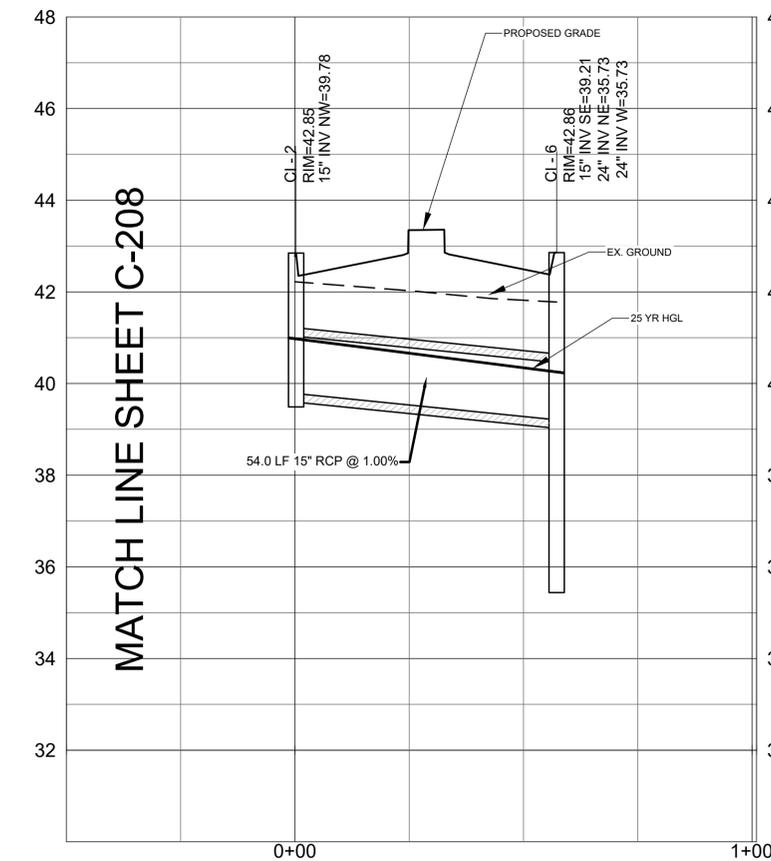
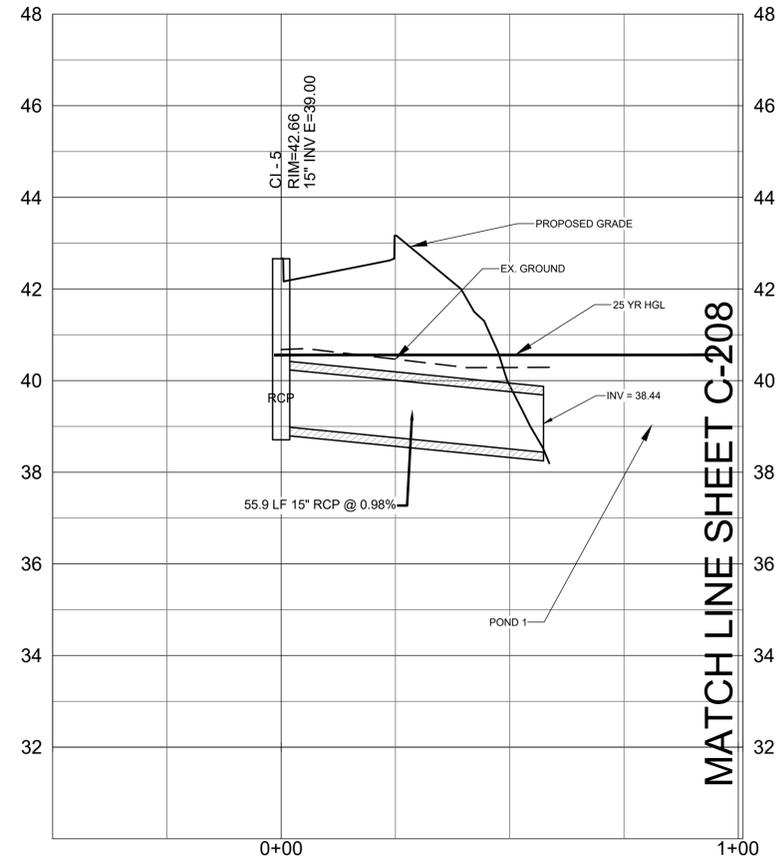
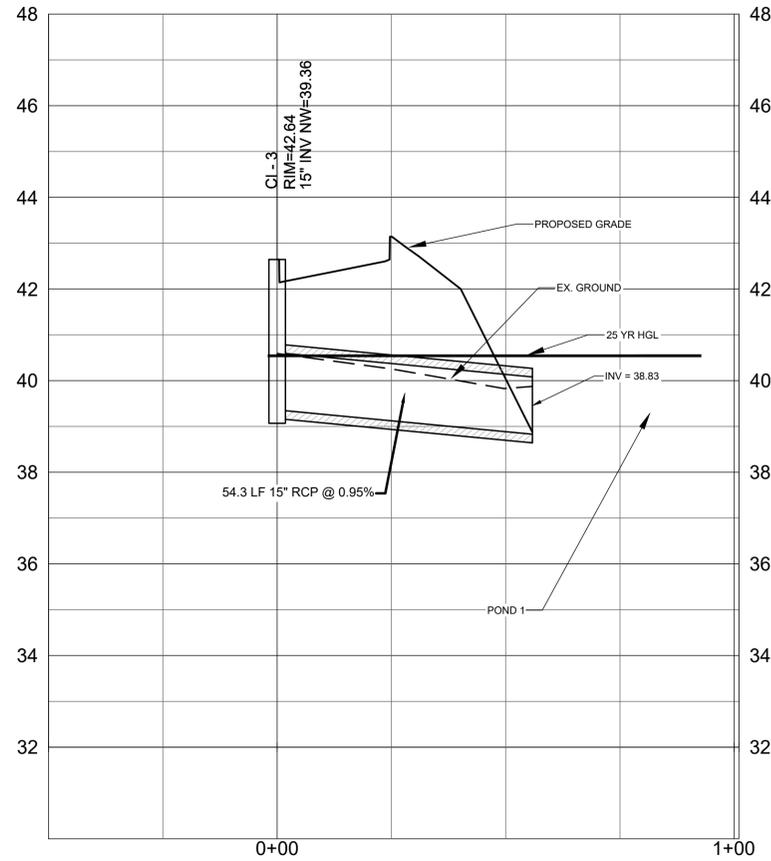
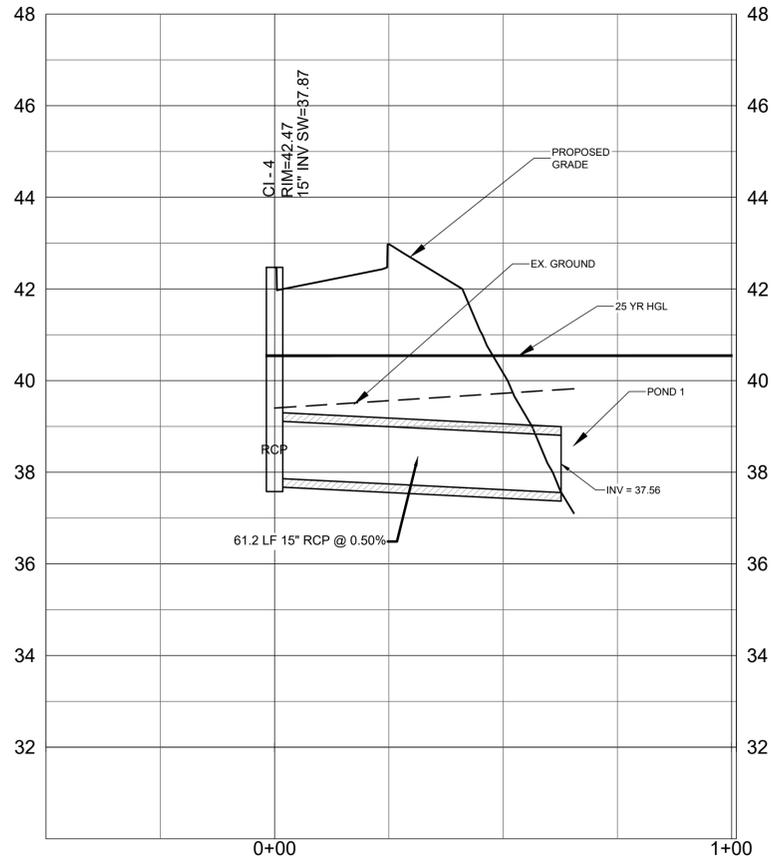
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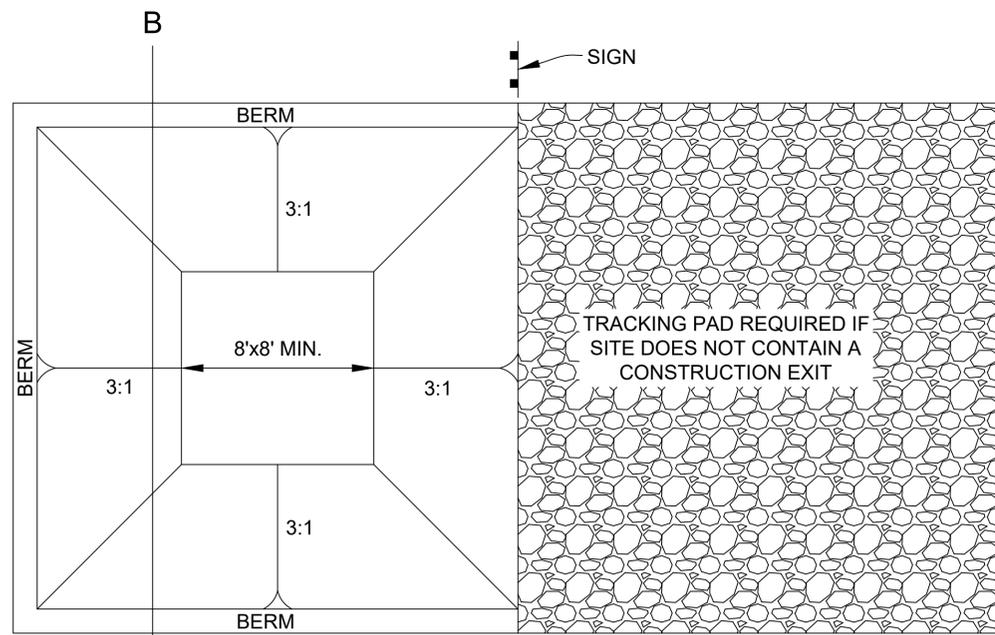
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SHEET CONTENTS
STORM PROFILES

SHEET NO.

C-209

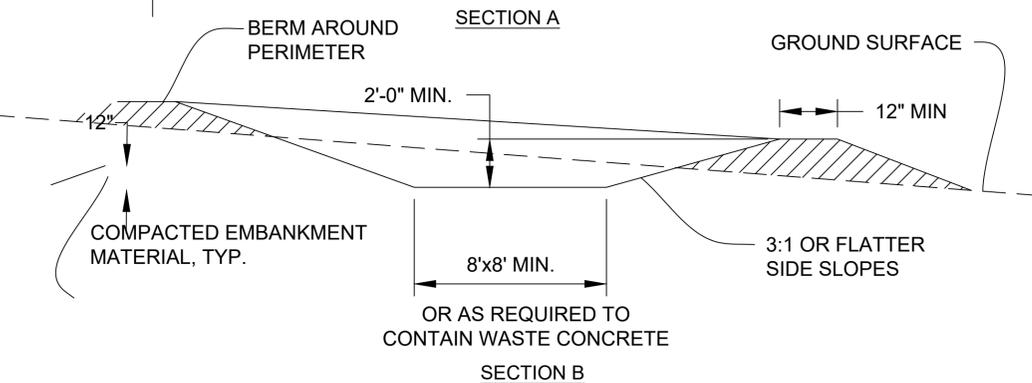




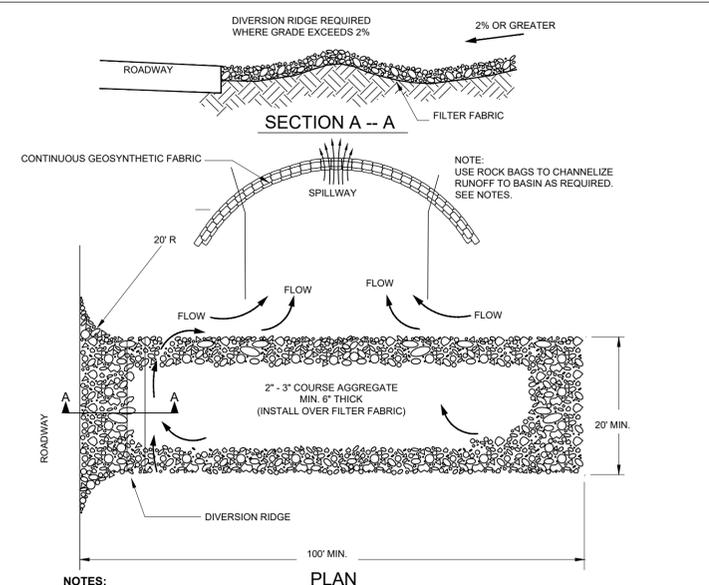
- WASHOUT AREA INSTALLATION NOTES**
- SEE PLAN VIEW FOR LOCATIONS OF CONCRETE WASHOUT AREA. (TO BE PLACED A MINIMUM OF 100' FROM DRAINAGEWAYS, BODIES OF WATER, AND INLETS.)
 - THE CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
 - SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.

- WASHOUT AREA MAINTENANCE NOTES**
- THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED OUT AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
 - AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE SITE.
 - WHEN THE CONCRETE WASHOUT AREA IS REMOVED, THE DISTURBED AREA SHALL BE SEEDED AND MULCHED OR OTHERWISE STABILIZED AS REQUIRED BY LOCAL CODE.
 - INSPECT WEEKLY, DURING AND AFTER ANY STORM EVENT.

TRACKING PAD REQUIRED IF SITE DOES NOT CONTAIN A CONSTRUCTION EXIT

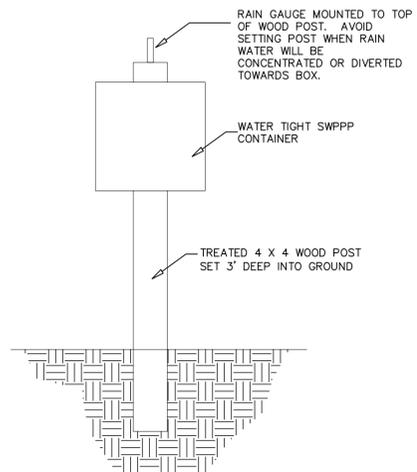


CWA CONCRETE WASH OUT AREA NOT TO SCALE

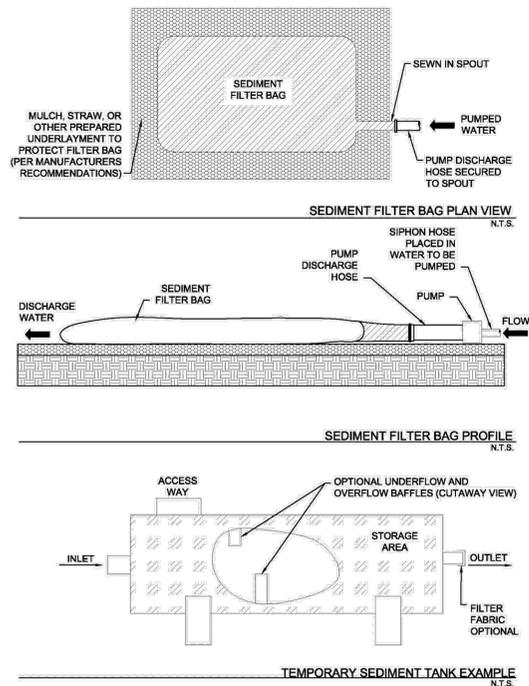


- NOTES:**
- THE EXIT SHALL BE MAINTAINED DAILY IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 - WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY CONSTRUCTION EXIT NOT TO SCALE



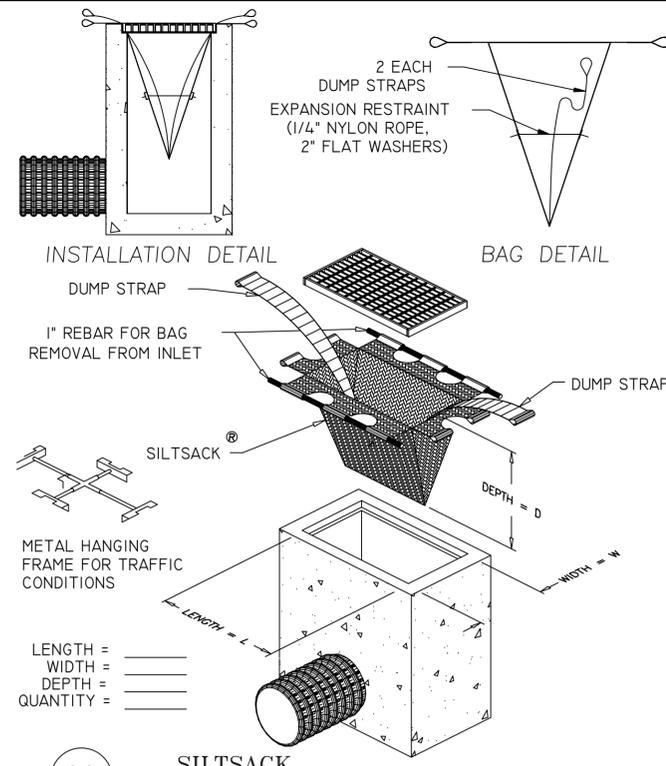
SWPPP CONTAINER & RAIN GAUGE NOT TO SCALE



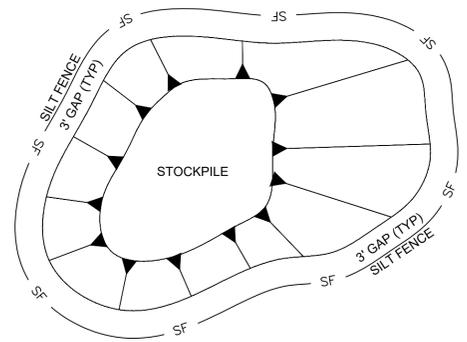
USE DEWATERING BAGS FOR DEWATERING OPERATIONS THAT DO NOT DISCHARGE TO SEDIMENT DAMS OR SEDIMENT BASINS. INSTALL THE DEWATERING BAG ON A MILD SLOPE TO ENSURE INCOMING WATER FLOWS DOWNHILL THROUGH THE DEWATERING BAG. SECURE THE HOSE TO BAG CONNECTION USING A HEAVY DUTY PIPE CLAMP, OR OTHER SUITABLE MEANS TO PREVENT LEAKAGE. PLACE THE DEWATERING BAG ON A HIGHLY PERMEABLE SURFACE SUCH AS AGGREGATE OR COARSE SAND TO MAXIMIZE WATER FLOW THROUGH THE ENTIRE SURFACE AREA OF THE BAG. MONITOR THE DEWATERING BAG AT ALL TIMES WHILE THE PUMP IS RUNNING.

TO PREVENT SEDIMENT RESUSPENSION, THE PUMP INTAKE SHOULD NOT BE PLACED ON THE GROUND. INSTEAD, THE INTAKE SHOULD BE FIXED ABOVE GROUND AT A HEIGHT TO MINIMIZE SEDIMENT RESUSPENSION

DEWATERING DETAIL NOT TO SCALE

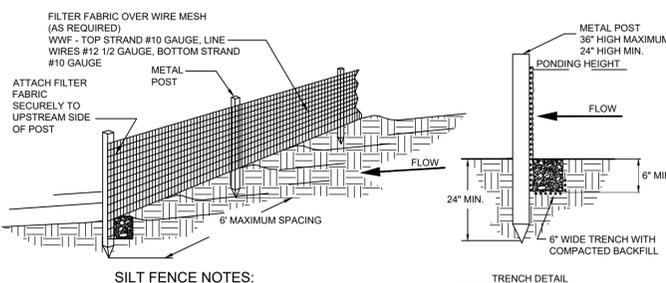


SS SILTSACK NOT TO SCALE



- NOTES:**
- SEE SITE PLAN FOR STOCKPILE LOCATION.
 - SOIL THAT IS STOCKPILED ON SITE SHALL BE ENCLOSED WITH A DOUBLE RUN OF SILT FENCE.
 - IF THE SOIL IS TO REMAIN MORE THAN 30 DAYS, IT SHALL BE SEEDED AND GRASSED.

STOCK PILE PROTECTION NOT TO SCALE



- SILT FENCE NOTES:**
- WOVEN WIRE FENCE SHALL BE REQUIRED AS A BACKING FOR FILTER FABRIC WITH AN ELONGATION AS DETERMINED BY ASTM D 1682, OF 50% OR GREATER. THE WIRE FENCE SHALL BE A MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
 - STEEL POST MUST BE USED. STEEL POST SHALL BE A MINIMUM OF 5' LONG WEIGH A MINIMUM OF 1.3 POUNDS/FOOT, AND HAVE PROJECTIONS FOR FASTENING THE WIRE OR THE FABRIC TO THE POST. STEEL POST SHALL ALSO HAVE A METAL PLATE SECURELY ATTACHED SUCH THAT WHEN THE POST IS DRIVEN TO THE PROPER DEPTH, THE PLATE WILL BE BELOW GROUND LEVEL FOR ADDITIONAL STABILITY. POSTS SHALL BE INSTALLED TO A DEPTH DIRECTED BY THE ENGINEER, WITH 1 TO 2 INCHES OF THE POST PROTRUDING ABOVE THE TOP OF THE WIRE FENCE OF FABRIC BEING IDEAL, BUT IN ANY CASE, NO MORE THAN 3' OF THE POST SHALL PROTRUDE ABOVE THE GROUND.
 - INSPECT AND MAINTAIN PER THE REQUIREMENTS OF THE SWPPP.

SILT FENCE NOT TO SCALE

Mead & Hunt
Mead & Hunt, Inc.
333 Wellness Drive
Myrtle Beach, SC 29579
phone: 843-839-1490
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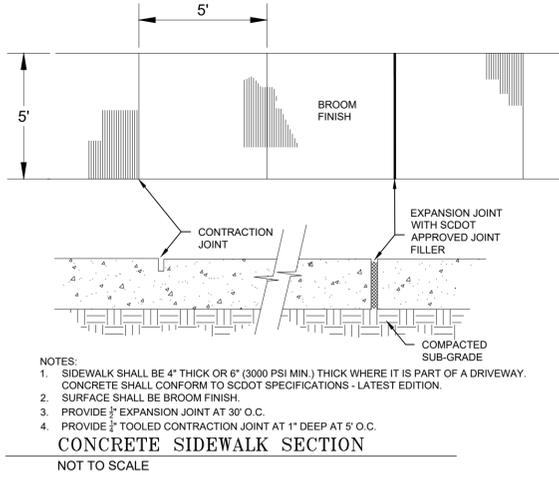
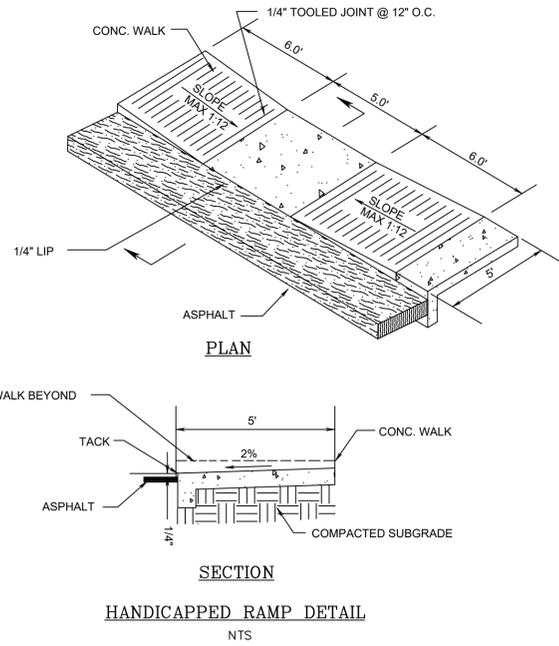
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HORRY COUNTY SCHOOLS
BLACKWATER MIDDLE SCHOOL
SCHOOL NEW PARENT LOOP
CONWAY, SOUTH CAROLINA

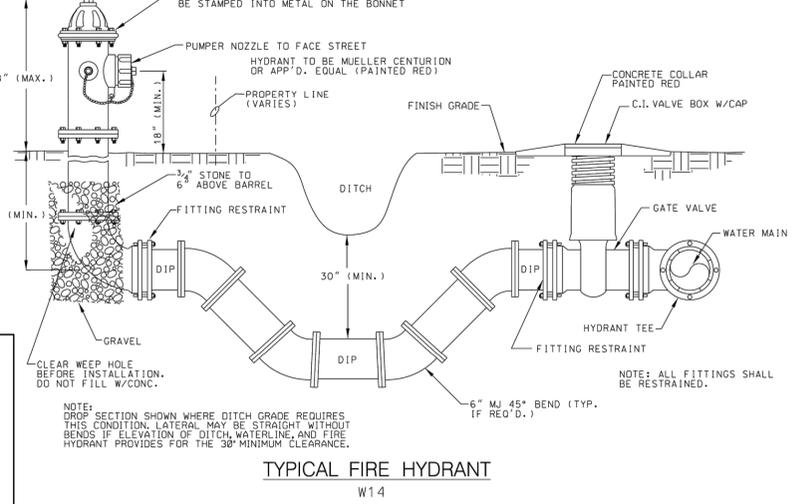
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SHEET CONTENTS
DETAILS
SHEET NO.

C-300

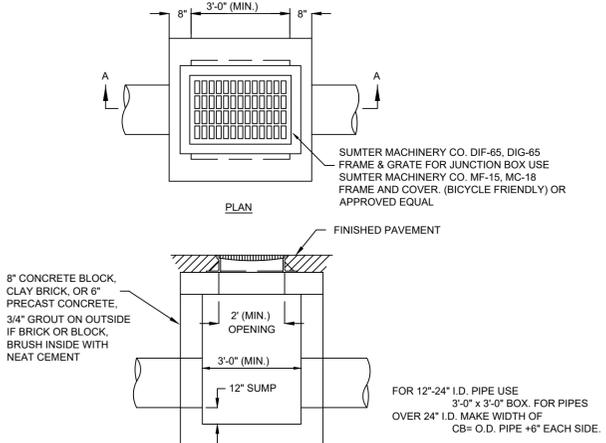


NOTES:
 1. SIDEWALK SHALL BE 4" THICK OR 6" (3000 PSI MIN.) THICK WHERE IT IS PART OF A DRIVEWAY.
 2. CONCRETE SHALL CONFORM TO SCDOT SPECIFICATIONS - LATEST EDITION.
 3. SURFACE SHALL BE BROOM FINISH.
 4. PROVIDE 1/2" EXPANSION JOINT AT 30' O.C.
 5. PROVIDE 1/2" TOOLED CONTRACTION JOINT AT 1' DEEP AT 5' O.C.
CONCRETE SIDEWALK SECTION
 NOT TO SCALE

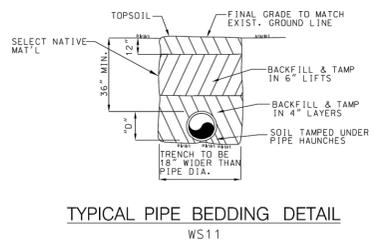


WATER OR SEWER
 GRAND STRAND
 WATER & SEWER AUTHORITY
 TYPICAL
 FIRE HYDRANT
 W14
 UPDATED: 8/13/01

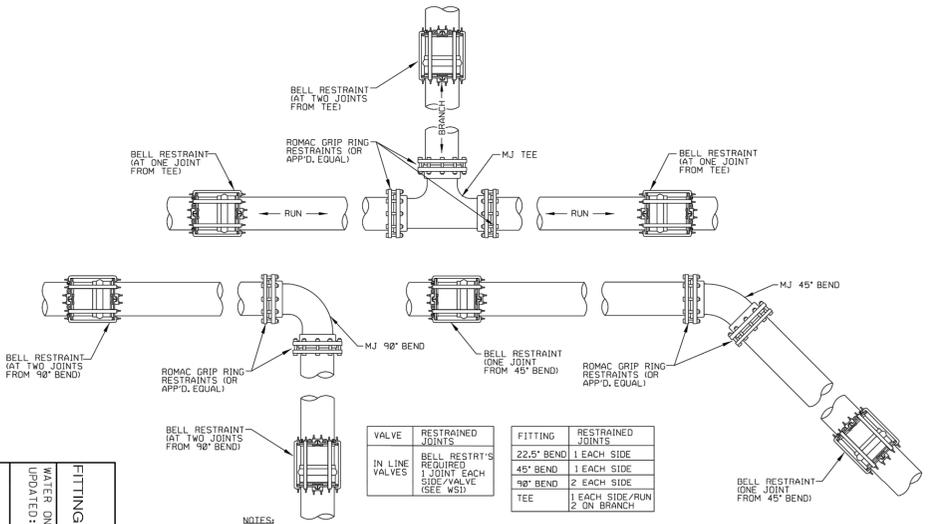
NOTE: ALL FITTINGS SHALL BE RESTRAINED.
 NOTE: DROP SECTION SHOWN WHERE DITCH GRADE REQUIRES THIS CONDITION. LATERAL MAY BE STRAIGHT WITHOUT BENDS IF ELEVATION OF DITCH, WATERLINE, AND FIRE HYDRANT PROVIDES FOR THE 30" MINIMUM CLEARANCE.
TYPICAL FIRE HYDRANT
 W14



CATCH BASIN / JUNCTION BOX
 NOT TO SCALE

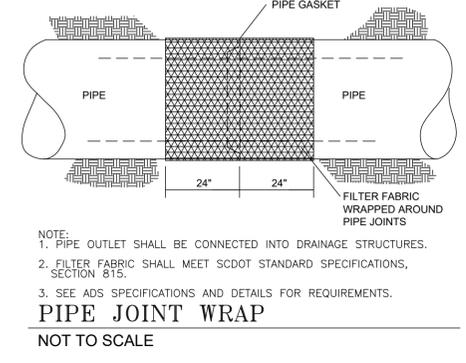


TYPICAL PIPE BEDDING DETAIL
 WS11

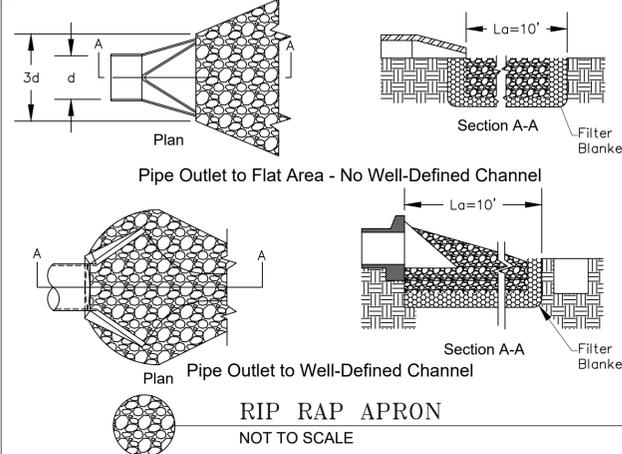


WATER OR SEWER
 GRAND STRAND
 WATER & SEWER AUTHORITY
 TYPICAL
 FITTING AND JOINT RESTRAINT
 WS3
 UPDATED: 12/26/08

NOTES:
 1. TABLE OF NO. OF RESTRAINTS REQUIRED ARE FOR SIZES THROUGH 12". FOR LARGER THAN 12" NO. REQUIRED IS TO BE DETERMINED BY GSWA.
 2. PER GSWA STANDARDS, MATERIAL APPROVAL THRU THE SUBMITTAL PROCESS ARE REQUIRED PRIOR TO ANY INSTALLATIONS.
 3. PIPE BELL RESTRAINTS ARE REQUIRED TO BE INSTALLED ON THE TWO JOINTS (MINIMUM) IMMEDIATELY FOLLOWING THE PE/MJ ADAPTERS ON EACH END OF HOPE PIPE.
TYPICAL FITTING AND JOINT RESTRAINT
 WS3

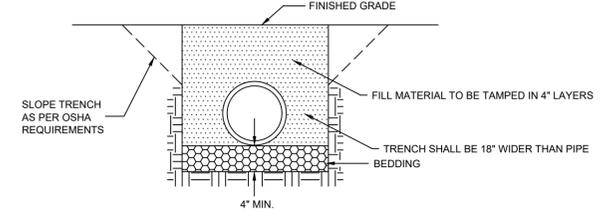


PIPE JOINT WRAP
 NOT TO SCALE



RIP RAP APRON
 NOT TO SCALE

NOTES:
 1. La IS THE LENGTH OF THE RIPRAP APRON.
 2. d = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
 3. IN A WELL-DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.
 4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.



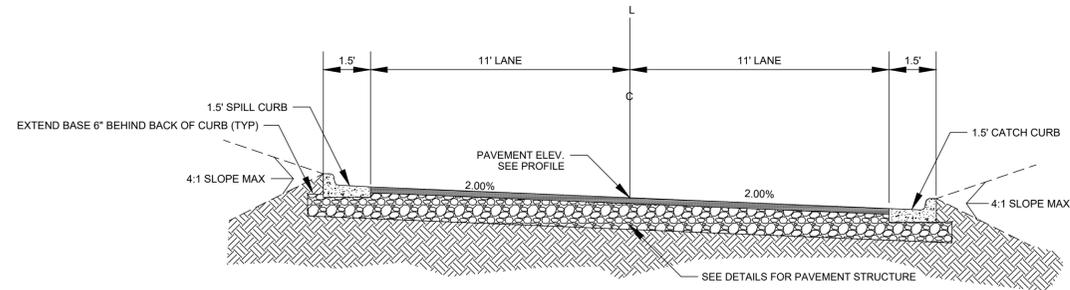
NOTES:
 1. BEDDING SHALL BE COMPACTED CRUSHED STONE (CLASS 1 MATERIAL) SHAPED TO THE BOTTOM OF THE PIPE.
 2. SELECT FILL SHALL BE NATIVE MATERIAL FREE OF LARGE ROCKS, DEBRIS OR ORGANICS AND PLACED IN 4" LOOSE LIFTS AND COMPACTED TO MIN. 90% OF THE SOILS STANDARD PROCTOR. SEE PAVEMENT OTHER DETAILS FOR COMPACTION UNDER WALKS AND PAVEMENT.
PIPE BEDDING
 NOT TO SCALE



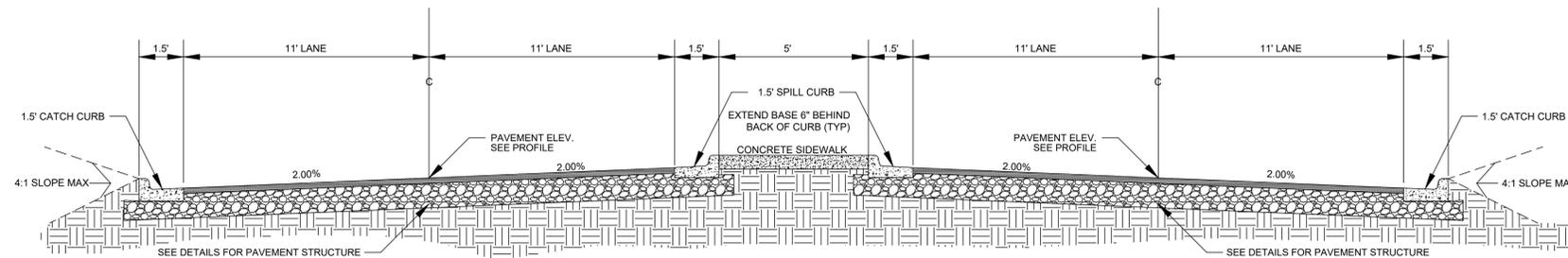
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**HORRY COUNTY SCHOOLS
 BLACKWATER MIDDLE
 SCHOOL NEW PARENT LOOP
 MYRTLE BEACH, SOUTH CAROLINA**

REVISION
 M&H NO: 4048200-231685.01
 DATE: #####
 DESIGNED BY: ###
 DRAWN BY: ###
 CHECKED BY: ###
 DO NOT SCALE DRAWINGS
 SHEET CONTENTS
 DETAILS
 SHEET NO.

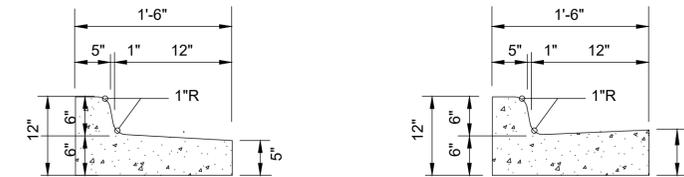


TYPICAL ROAD SECTION
STA: 3+00 TO 7+53 AND 10+00 TO 18+57 AND 21+00 TO 22+50
NOT TO SCALE

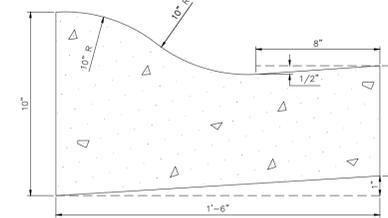


TYPICAL ROAD SECTION
STA: 7+53 TO 10+00 AND 18+57 TO 21+00
NOT TO SCALE

SEE PLAN VIEW FOR STATIONS 22+50 TO END OF PROJECT FOR GRADES



SECTION USED WHERE FLOW DIRECTION IS AWAY FROM CURB. SECTION USED WHERE FLOW DIRECTION IS TOWARDS CURB

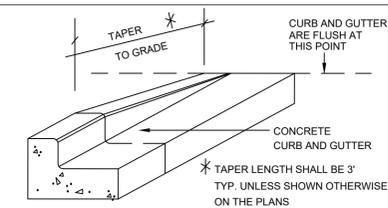


SECTION USED WHERE MOUNTABLE ROLL CURB IS USED

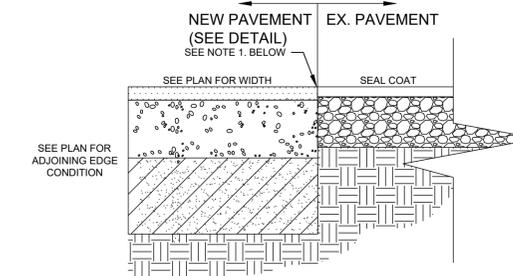
NOTES

- CONCRETE SHALL BE FIBER REINFORCED AND SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI. MAXIMUM AGGREGATE SIZE SHALL BE 1/2" DIAMETER.
- CONTROL JOINTS SHALL BE PLACED AT 8' O.C. MAX. EXPANSION JOINTS SHALL BE PLACED AT 32' O.C. MAX.

CURB AND GUTTER DETAILS
NOT TO SCALE



CONCRETE CURB TAPER
NOT TO SCALE



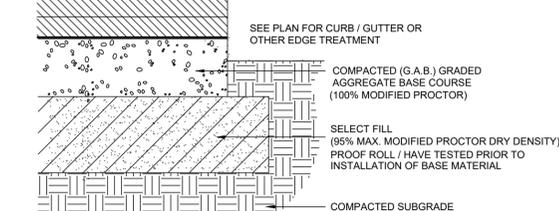
PAVEMENT SECTION BELOW FOR NEW PAVEMENT

NOTES

- NEATLY SAW CUT EXISTING PAVEMENT EDGE AND CREATE VERTICAL EDGE ALONG FACE OF EXISTING BASE MATERIAL FOR NEW PAVEMENT AND BASE TO ADJUT.
- CONTRACTOR IS RESPONSIBLE FOR 811 AND PRIVATE UTILITY LOCATES AND RESPONSIBLE FOR REPAIRS TO ANY DAMAGED UTILITIES
- DO NOT SEAL COAT EX. PAVEMENT UNTIL ALL PAVING OPERATIONS ARE COMPLETE AND APPROVED BY ENGINEER.

FIRE LANE PAVEMENT WIDENING
NOT TO SCALE

SURFACE COURSE (TYPE C) INSTALLED AND COMPACTED PER SOUTH CAROLINA DEPT. TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION 2007 EDITION.



PAVEMENT

1.5" TYPE C SURFACE COURSE / 1.5" TYPE C INTERMEDIATE COURSE / 6" GABC BASE COURSE

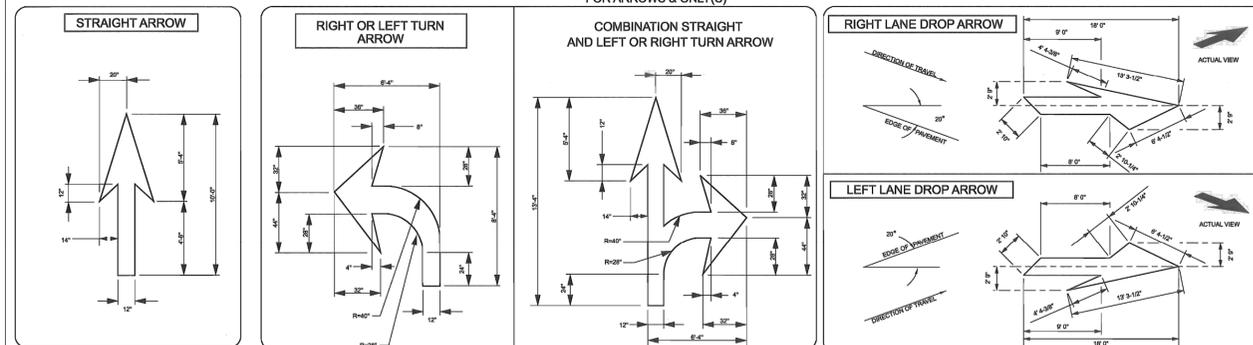
NOTES

- ALL MATERIALS SHALL MEET APPLICABLE STANDARDS SET FORTH IN THE SCOT CONSTRUCTION STANDARDS, 2007 EDITION.
- SUB-BASE SHALL BE FREE OF ALL ROCKS AND DEBRIS LARGER THAN 1" DIAMETER. CERTIFIED COMPACTION TESTS MUST BE SUBMITTED TO ENGINEER PRIOR TO APPLICATION OF BASE MATERIAL.
- SEE PROVIDED GEOTECHNICAL REPORT FOR APPROVED FILL MATERIALS.
- SUBGRADE SHALL BE GRADED AND SLOPED TOWARD DRAINAGE STRUCTURES AND DITCHES TO PREVENT THE ENTRAPMENT OF WATER WITHIN SUB-BASE AND BASE MATERIAL. SUBGRADE SHALL BE INSPECTED AND APPROVED BY OWNERS REPRESENTATIVE PRIOR TO THE INSTALLATION OF SUB-BASE.
- PAVEMENT SECTION PROVIDED BY TERRACON CONSULTANTS - GEOTECHNICAL ENGINEERING REPORT BLACKWATER MIDDLE SCHOOL PARENT LOOP, CONWAY, SOUTH CAROLINA - DATED JULY 31, 2023 - TERRACON PROJECT NUMBER ER235019.

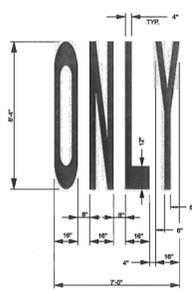
ASPHALT PAVEMENT SECTION
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STANDARD PAVEMENT MARKINGS

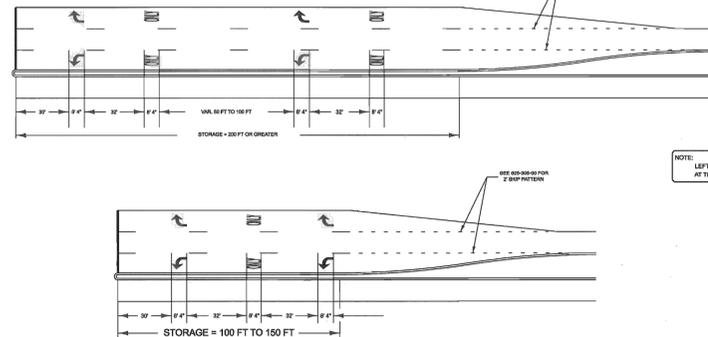
FOR ARROWS & ONLY(S)



"ONLY"



RIGHT OR LEFT TURN MARKINGS APPLICATION



NOTE: LEFT TURN ARROWS MAY BE OMITTED AT THE DISCRETION OF THE ENGINEER.

REFERENCES

SIGNING AND MARKING ENGINEER



1-20-09
DATE

#	DATE	CHK	DESCRIPTION
6			
5			
4			
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2			
1			

STANDARD DRAWING

FOR ARROWS & ONLY(S)

625-410-00
EFFECTIVE LETTING DATE: MAY 2009

Mead & Hunt

Mead & Hunt, Inc.
333 Wellness Drive
Myrtle Beach, SC 29579
phone: 843-839-1490
meadhunt.com



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HORRY COUNTY SCHOOLS
BLACKWATER MIDDLE
SCHOOL NEW PARENT LOOP
MYRTLE BEACH, SOUTH CAROLINA

REVISION

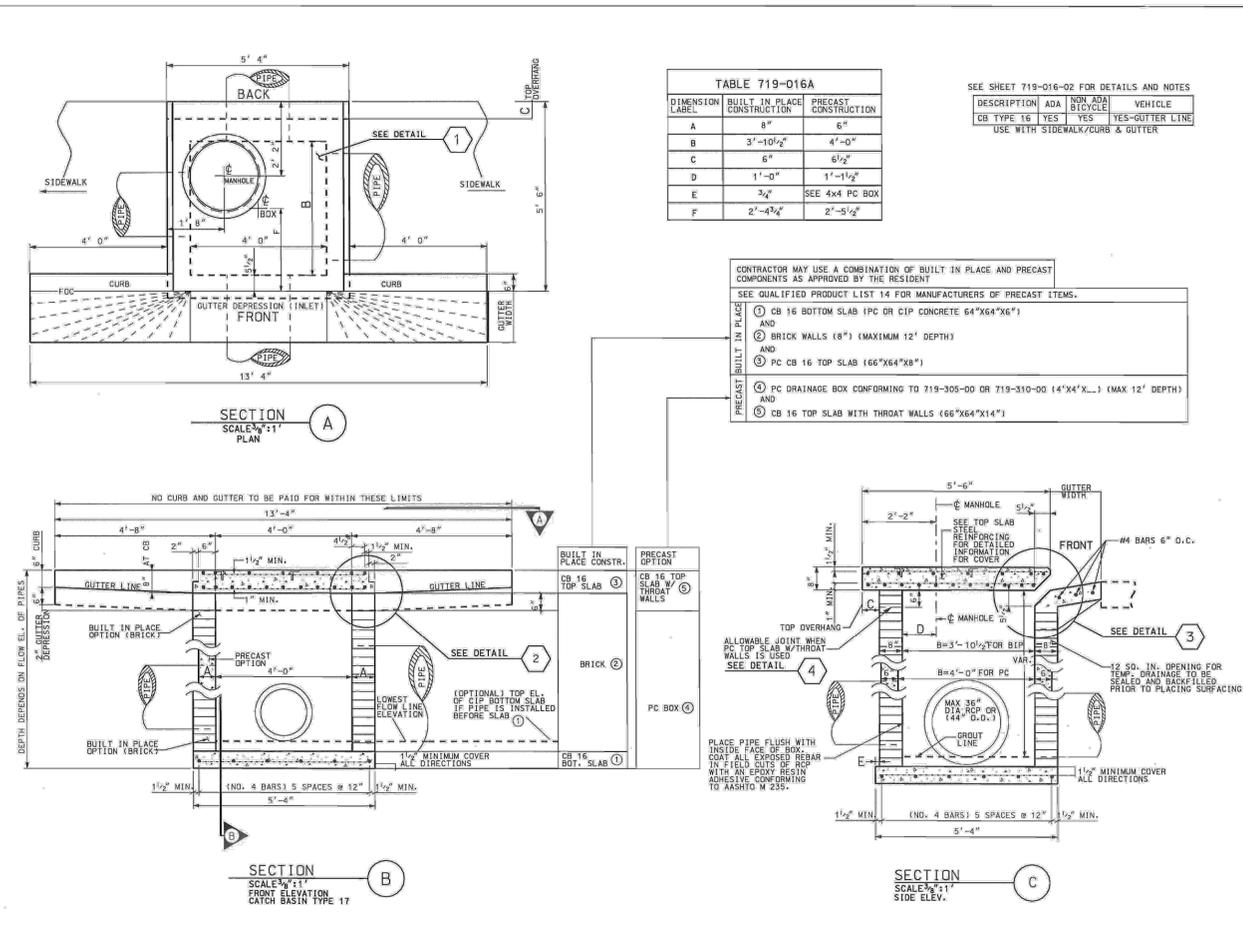
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DRAWN BY: ###
CHECKED BY: ###
DO NOT SCALE DRAWINGS

SHEET CONTENTS
DETAILS

SHEET NO.

C-302

REFERENCES	
NATIONAL DOCUMENTS	ASHTO M235
SOOT DOCUMENTS	QUALIFIED PRODUCT LIST 14
RELATED DRAWINGS & KEYWORDS	719-305-00, 719-310-00, 719-016-02
PRECONSTRUCTION SUPPORT ENGINEER	 SIGNATURE: <i>[Signature]</i> DATE: MARCH 3, 2008
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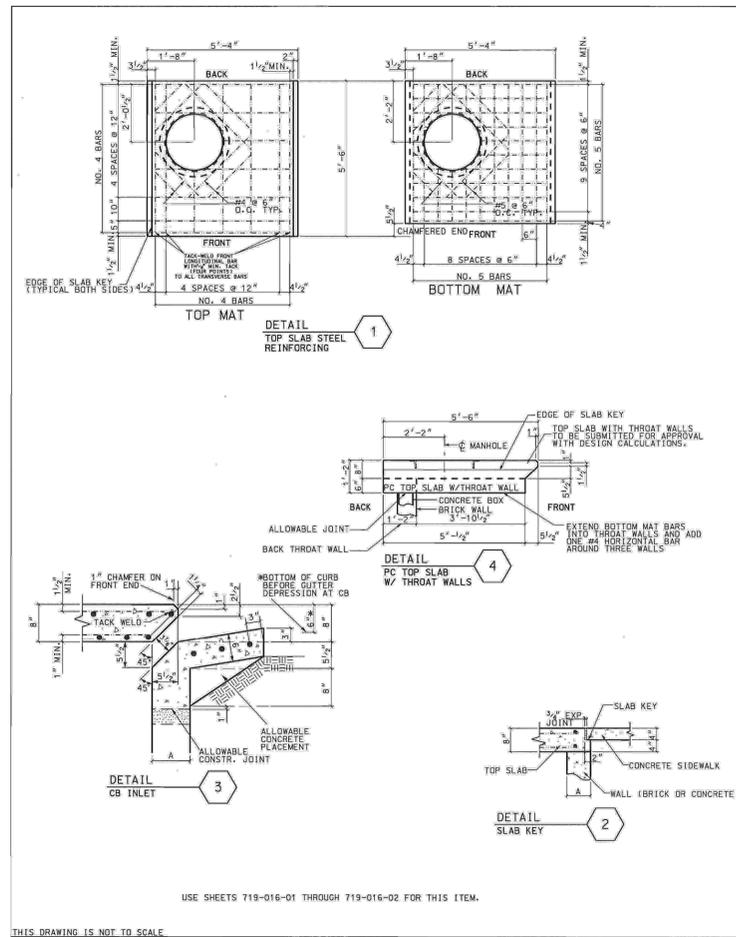


DIMENSION LABEL	BUILT IN PLACE CONSTRUCTION	PRECAST CONSTRUCTION
A	8"	6"
B	3'-10 1/2"	4'-0"
C	6"	6 1/2"
D	1'-0"	1'-1 1/2"
E	3/4"	SEE 4x4 PC BOX
F	2'-4 3/4"	2'-5 1/2"

DESCRIPTION	ADA	BICYCLES	VEHICLE
CB TYPE 16	YES	YES	YES-GUTTER LINE

USE WITH SIDEWALK/CURBS & GUTTER

- CONTRACTOR MAY USE A COMBINATION OF BUILT IN PLACE AND PRECAST COMPONENTS AS APPROVED BY THE RESIDENT
- SEE QUALIFIED PRODUCT LIST 14 FOR MANUFACTURERS OF PRECAST ITEMS.
- AND
- 1 CB 16 BOTTOM SLAB (PC OR CIP CONCRETE 64"x64"x6")
 - AND
 - 2 BRICK WALLS (8") (MAXIMUM 12' DEPTH)
 - AND
 - 3 PC CB 16 TOP SLAB (66"x64"x8")
 - AND
 - 4 PC DRAINAGE BOX CONFORMING TO 719-305-00 OR 719-310-00 (14"x4"x...) (MAX 12' DEPTH)
 - AND
 - 5 CB 16 TOP SLAB WITH THROAT WALLS (66"x64"x14")



- GENERAL NOTES:
- FOR BUILT-IN-PLACE CONSTRUCTION OF THE CATCH BASIN, EITHER BRICK MASONRY (WALLS ONLY) OR CIP CLASS 3000 CONCRETE MAY BE USED; FOR PRECAST CONSTRUCTION, A MINIMUM OF CLASS 4000P CONCRETE SHALL BE USED.
 - CONCRETE WALLS ARE TO BE 6" THICK WITH A MINIMUM REINFORCING STEEL AREA OF 0.20 SQUARE INCHES PER LINEAL FOOT, UNLESS NOTED. BRICK WALLS ARE TO BE 8" THICK. CONCRETE BRICK AND DIMENSIONS ARE TO BE SHOWN IN THE REINFORCING AND CONSTRUCTION DETAILS. THE INTERIOR SURFACE OF THE BRICK WALLS SHALL BE FINISHED WITH A TYPE OF CONSTRUCTION AS SHOWN FOR EXTERIOR.
 - THE BOTTOM SLAB OF THE BOX SHALL BE A MINIMUM OF 6" THICK REINFORCED CONCRETE (CLASS 3000 OR 4000P) WITH A REINFORCING STEEL AREA OF 0.20 SQUARE INCHES PER FOOT. WIRE MESH MAY BE USED IN LIEU OF STEEL BARS PROVIDED A MINIMUM OF 0.20 SQUARE INCHES PER FOOT IS MET.
 - MORTAR SHALL BE TYPE S OR M.
 - REINFORCING STEEL SHALL BE ASTM A-706, LOW-ALLOY STEEL, DEFORMED BARS FOR CONCRETE REINFORCEMENT, GRADE 60. WIRE MESH SHALL CONFORM TO ASHTO M 55 AND M 221.
 - SEE STANDARD DRAWING 719-350-00 FOR STEPS, WHICH ARE REQUIRED WHEN STRUCTURE DEPTH EXCEEDS 2'-6".
 - SEE STANDARD DRAWINGS 719-420-00 AND 719-425-00 FOR DETAILS OF MANHOLE CASTING AND COVER. MANHOLE SHALL BE LINED UP WITH THE INTERIOR OF THE BOX AS SHOWN.
 - SEE STANDARD DRAWING 719-310-00 FOR DETAIL OF MANHOLE CASTING AND COVER. MANHOLE SHALL BE LINED UP WITH THE INTERIOR OF THE BOX AS SHOWN.
 - LOCATION AND SIZE OF PIPES ARE SITE SPECIFIC. (SEE DRAINAGE PLANS). THE BOTTOM OF THE CATCH BASIN IS TO BE GRATED TO THE LOWEST FLOW LINE ELEVATION OF ALL PIPES. IF BOTTOM SLAB IS CAST IN PLACE WITH PIPES INSTALLED, BOTTOM SLAB THICKNESS MUST BE ACHIEVED BEYOND PIPE OUTSIDE DIAMETER.
 - THE CONTRACT UNIT PRICE FOR CATCH BASINS SHALL INCLUDE THE COST OF FURNISHING ALL MATERIALS (BUILT IN PLACE OR PRECAST) AND WORK NECESSARY TO THE CONSTRUCTION OF THE STRUCTURE COMPLETE IN PLACE AS SHOWN, INCLUDING THE CURB AND GUTTER, IN ACCORDANCE WITH THE SOOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION).
 - SPECIAL ATTENTION SHOULD BE GIVEN TO THE COMPACTION OF THE SOIL UNDER THE 6" OR 6 1/2" COVER OVERHANG ON THE BACK OF THE CATCH BASIN, AND UNDER ANY OPTIONAL PRECAST ITEMS USED.
 - THE SLOPE ON TOP OF CATCH BASIN IS TO MATCH ADJACENT SIDEWALK OR SOI1 TOWARD ROADWAY WHERE NO SIDEWALK IS PRESENT.
 - WHEN IT IS NECESSARY TO PLACE A CATCH BASIN IN A RADIUS, THE FACE OF THE CATCH BASIN TOP SHALL CONFORM TO THE HORIZONTAL CURVATURE OF THE ADJACENT CURB WHEN THE RADIUS IS 100 FEET OR LESS; OTHERWISE, THE TOP SHALL BE RECTANGULAR WITH SQUARE CORNERS. IN ALL CASES, THE BACK OF THE CATCH BASIN TOP SHOULD FOLLOW THE SAME ALIGNMENT AS ITS FACE.
 - SEE STANDARD DRAWING 719-310-00 OR 719-305-00 FOR MAXIMUM PIPE DIAMETERS. THE PIPE SIZES SHOWN ARE MAXIMUM FOR BRICK AND PRECAST BOXES WHEN PIPE ENTERS PERPENDICULAR AND AT THE CENTER OF THE BOX WALL. CONTRACTOR SHOULD CONFIRM THAT PIPE USED FITS APPROPRIATELY INTO BOX.

- PRECAST NOTES:
- SUPPLY PRECAST CONCRETE COMPONENTS FOR DRAINAGE ITEMS AT EACH LOCATION FROM A SINGLE SOURCE. PRECAST MANUFACTURER THAT HAS BEEN INSPECTED AND APPROVED BY THE MATERIALS AND RESEARCH ENGINEER. SUPPLY ALL INTERCHANGEABLE PRECAST PARTS ON ENTIRE PROJECT FROM A SINGLE SOURCE. MANUFACTURER LISTED ON QUALIFIED PRODUCT LIST 14 UNLESS APPROVED BY RESIDENT FROM MULTIPLE MANUFACTURERS SHOULD NOT BE INSTALLED IN INDIVIDUAL LOCATIONS.
 - THE USE OF PRECAST UNITS WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF OBTAINING SATISFACTORY INSTALLATIONS. SEE STANDARD DRAWINGS FOR PRECAST CONCRETE DRAINAGE BOX OR STRUCTURE FOR ADDITIONAL DETAILS AND SPECIAL PROVISIONS.
 - LIFT HOLES AND/OR DEVICES MAY BE PLACED AS NECESSARY. ALL LIFT HOLES SHALL BE GROUTED SHUT PRIOR TO COMPLETION OF THE INSTALLATION. ALL LIFTING METHODS MUST OSHA REGULATIONS.
 - PRECAST TOP SLAB TO BE MANUFACTURED WITH 1" CHAMFER OR RADIUS ON TOP OF FRONT END IN ORDER TO MORE CLOSELY MATCH TOP OF CURB RADIUS.
 - IF PRECAST THROAT IS USED, THE THROAT OPENING SHALL NOT OBSTRUCT THE MANHOLE OPENING.
 - THE CONTRACTOR SHALL USE A SINGLE SOURCE MANUFACTURER CHOSEN FROM THE LIST ON QUALIFIED PRODUCT LIST 14 FOR PRECAST ITEMS ON THIS DRAWING.
 - PRECAST MANUFACTURER SHALL FOLLOW QUALIFIED PRODUCT POLICY 14 BEFORE SUPPLYING THIS ITEM ON SOOT PROJECTS.
 - CONTRACTOR MAY SUBMIT DESIGN DRAWINGS AND CALCULATIONS FOR MODIFICATIONS TO THIS ITEM ON A PROJECT BY PROJECT BASIS. MODIFICATIONS TO THESE ITEMS WILL NOT BE LISTED ON ANY QUALIFIED PRODUCT LIST. SUBMIT ALL PROPOSALS FOR PROJECT SPECIFIC MODIFICATIONS TO THE RESIDENT ENGINEER FOR REVIEW BY THE ENGINEER OF RECORD.
 - JOINTS BETWEEN INSTALLED PIECES AND PRECAST ITEMS TO BE PLACED SHALL BE SEALED WITH A 1/2" GROUT LIFT OR AN APPROPRIATE PLASTIC PREFORMED GASKET (FROM QUALIFIED PRODUCT LIST 14).
 - TOP SLAB MUST BE IN LINE WITH BOTH THE ROAD SLOPE (SHOW ON ROAD PLANS) AND THE SIDEWALK SLOPE (TYPICALLY 50:1).
 - PRECAST CONCRETE CIRCULAR STRUCTURES (AS SHOWN ON 719-420-00) ARE REQUIRED FOR THE FOLLOWING APPLICATIONS UNLESS PROVIDED BY THE PLANS OR SPECIAL PROVISIONS:
 - (a) ON DRAINAGE STRUCTURES WITH A DEPTH EQUAL TO OR GREATER THAN 12 FEET.
 - (b) ON DRAINAGE STRUCTURES WHERE THE FLOW LINE ELEVATION OF THE INLET PIPE IS EQUAL TO OR HIGHER THAN THE INSIDE TOP (SOFFIT) OF THE OUTLET PIPE.
 - AS REQUIRED BY THE PROJECT PLANS.

STANDARD PC ITEMS CB 16
CB 16 BOTTOM SLAB (64" x 64" x 6")
CB 16 TOP SLAB (66" x 64" x 8")
CB 16 TOP SLAB WITH THROAT WALLS (66" x 64" x 14")

SEE ALSO 719-305-00 AND 719-310-00

REFERENCES	
NATIONAL DOCUMENTS	ASHTO M235, ASHTO M211, ASHTO M21
SOOT DOCUMENTS	QUALIFIED PRODUCT LIST 14
RELATED DRAWINGS & KEYWORDS	719-016-01 TO 719-016-02, 719-305-00, 719-310-00, 719-420-00, 719-425-00, 719-310-00, 719-310-00, 719-305-00
PRECONSTRUCTION SUPPORT ENGINEER	 SIGNATURE: <i>[Signature]</i> DATE: MARCH 3, 2008
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RELATED DRAWINGS & KEYWORDS	719-016-01 TO 719-016-02, 719-305-00, 719-310-00, 719-420-00, 719-425-00, 719-310-00, 719-310-00, 719-305-00
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