

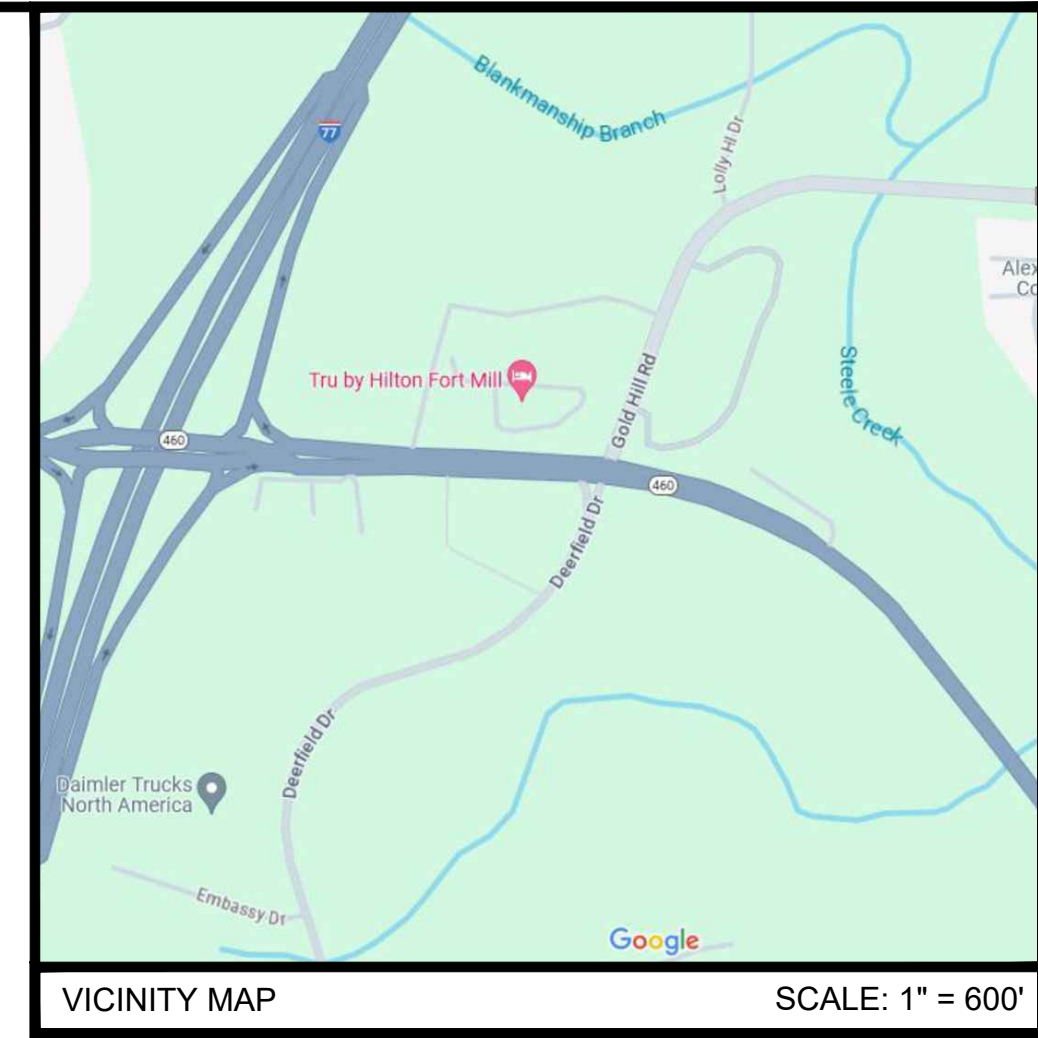
NOTE:  
ALL WORKMANSHIP AND MATERIAL ON THIS PROJECT TO CONFORM WITH SOUTH CAROLINA DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION), AND BOOK OF STANDARD DRAWINGS FOR ROAD CONSTRUCTION.

# GOLD HILL ROAD & SPRINGFIELD PKWY INTERSECTION IMPROVEMENTS

LOCATED IN  
YORK COUNTY, SC



SHEET NO.	SHEET NAME	ORIGINAL DATE	REVISED DATE
C0.0	COVER SHEET	1/19/2024	3/20/2024
C0.1	GENERAL NOTES	1/19/2024	3/20/2024
C0.2	ROADWAY TYPICAL SECTION - SHEET 1 OF 4	1/19/2024	
C0.3	ROADWAY TYPICAL SECTION - SHEET 2 OF 4	1/19/2024	
C0.4	ROADWAY TYPICAL SECTION - SHEET 3 OF 4	1/19/2024	
C0.5	ROADWAY TYPICAL SECTION - SHEET 4 OF 4	1/19/2024	
C1.0	STAKE OUT PLAN - SHEET 1 OF 3	1/19/2024	3/20/2024
C1.1	STAKE OUT PLAN - SHEET 2 OF 3	1/19/2024	3/20/2024
C1.2	STAKE OUT PLAN - SHEET 3 OF 3	1/19/2024	3/20/2024
C2.0	RIGHT-OF-WAY DATA	1/19/2024	
C2.1	OVERALL PROPERTY MAP	1/19/2024	
C2.2	PROPERTY MAP - SHEET 1 OF 3	1/19/2024	
C2.3	PROPERTY MAP - SHEET 2 OF 3	1/19/2024	
C2.4	PROPERTY MAP - SHEET 3 OF 3	1/19/2024	
C3.0	GOLD HILL ROAD - STA. 11+00 TO 20+00	1/19/2024	3/20/2024
C3.1	SPRINGFIELD PARKWAY - STA. 20+00 TO 28+00	1/19/2024	3/20/2024
C3.2	GOLD HILL ROAD NORTH - STA. 10+00 TO 19+05.87	1/19/2024	3/20/2024
C3.3	INTERSECTION DETAIL	1/19/2024	3/20/2024
C4.0	ROADWAY GRADING & STORM DRAINAGE PLAN - SHEET 1 OF 4	1/19/2024	3/20/2024
C4.1	ROADWAY GRADING & STORM DRAINAGE PLAN - SHEET 2 OF 4	1/19/2024	3/20/2024
C4.2	ROADWAY GRADING & STORM DRAINAGE PLAN - SHEET 3 OF 4	1/19/2024	3/20/2024
C4.3	ROADWAY GRADING & STORM DRAINAGE PLAN - SHEET 4 OF 4	1/19/2024	3/20/2024
C4.4	POST-DEVELOPMENT DRAINAGE AREA MAP - SHEET 1 OF 2	1/19/2024	
C4.5	POST-DEVELOPMENT DRAINAGE AREA MAP - SHEET 2 OF 2	1/19/2024	
C4.6	POST-DEVELOPMENT STORM SYSTEM PROFILES - SHEET 1 OF 2	1/19/2024	
C4.7	POST-DEVELOPMENT STORM SYSTEM PROFILES - SHEET 2 OF 2	1/19/2024	
C5.0	ROADWAY UTILITY PLAN - SHEET 1 OF 4	1/19/2024	3/20/2024
C5.1	ROADWAY UTILITY PLAN - SHEET 2 OF 4	1/19/2024	3/20/2024
C5.2	ROADWAY UTILITY PLAN - SHEET 3 OF 4	1/19/2024	3/20/2024
C5.3	ROADWAY UTILITY PLAN - SHEET 4 OF 4	1/19/2024	3/20/2024
C5.4	WATER DETAILS	3/20/2024	
C6.0	EROSION CONTROL PHASE 1 PLAN - SHEET 1 OF 4	3/20/2024	
C6.1	EROSION CONTROL PHASE 1 PLAN - SHEET 2 OF 4	3/20/2024	
C6.2	EROSION CONTROL PHASE 1 PLAN - SHEET 3 OF 4	3/20/2024	
C6.3	EROSION CONTROL PHASE 1 PLAN - SHEET 4 OF 4	3/20/2024	
C6.4	EROSION CONTROL PHASE 2 PLAN - SHEET 1 OF 4	1/19/2024	3/20/2024
C6.5	EROSION CONTROL PHASE 2 PLAN - SHEET 2 OF 4	1/19/2024	3/20/2024
C6.6	EROSION CONTROL PHASE 2 PLAN - SHEET 3 OF 4	1/19/2024	3/20/2024
C6.7	EROSION CONTROL PHASE 2 PLAN - SHEET 4 OF 4	1/19/2024	3/20/2024
C6.8	EROSION CONTROL DETAILS - SHEET 1 OF 2	1/19/2024	
C6.9	EROSION CONTROL DETAILS - SHEET 2 OF 2	1/19/2024	
C7.0	ROADWAY DETAILS - SHEET 1 OF 5	1/19/2024	
C7.1	ROADWAY DETAILS - SHEET 2 OF 5	1/19/2024	
C7.2	ROADWAY DETAILS - SHEET 3 OF 5	1/19/2024	
C7.3	ROADWAY DETAILS - SHEET 4 OF 5	1/19/2024	
C7.4	ROADWAY DETAILS - SHEET 5 OF 5	1/19/2024	
C8.0	TRAFFIC SIGNAL PLAN	2/5/2024	3/19/2024
S1.0	TOPOGRAPHIC SURVEY - SHEET 1 OF 6	10/9/2023	
S2.0	TOPOGRAPHIC SURVEY - SHEET 2 OF 6	10/9/2023	
S3.0	TOPOGRAPHIC SURVEY - SHEET 3 OF 6	10/9/2023	
S4.0	TOPOGRAPHIC SURVEY - SHEET 4 OF 6	10/9/2023	
S5.0	TOPOGRAPHIC SURVEY - SHEET 5 OF 6	10/9/2023	
S6.0	TOPOGRAPHIC SURVEY - SHEET 6 OF 6	10/9/2023	



**NPDES PERMIT INFORMATION**

**PROPOSED NPDES DISTURBED AREA = 3.15 ACRES**

**APPROXIMATE LOCATION OF ROADWAY IS:**

**LONGITUDE: 80° 57' 4" W**  
**LATITUDE: 35° 3' 39" N**

**RAILROAD INVOLVEMENT?**

**YES / NO**

**ENGINEERING FIRM:** ESP ASSOCIATES, INC.  
**ADDRESS:** 3475 LAKEMONT BLVD. FORT MILL, SC 29708  
**PHONE:** (803) 802-2440  
**CONTACT:** RYAN C. TURNER, P.E. RTURNER@ESPASSOCIATES.COM  
**EMAIL:**

**DEVELOPER:** FORT MILL SCHOOL DISTRICT  
**ADDRESS:** 2233 DEERFIELD DRIVE FORT MILL, SC 29715  
**OWNER:** (803) 548-2527  
**CONTACT:** JOSEPH ROMENICK ROMENICK@FORTMILLSCHOOLS.ORG  
**EMAIL:**

**REVIEW AGENCY:** SCDOT - DISTRICT 4  
**ADDRESS:** 1232 JA COCHRAN BYPASS, P.O. BOX 130 CHESTER, SC 29706  
**PHONE:** (803) 365-4280

**REVIEW AGENCY:** YORK COUNTY  
**ADDRESS:** 18 WEST LIBERTY STREET YORK, SC 29745  
**PHONE:** (803) 909-7200

- YORK COUNTY STANDARD NOTES:**
- FOLLOWING THE PRE-CONSTRUCTION CONFERENCE, CONTACT YORK COUNTY ENVIRONMENTAL COMPLIANCE AT (803) 909-7200 NOT LESS THAN 48 HOURS BEFORE COMMENCEMENT OF THE LAND-DISTURBING ACTIVITY. THE PERMITTEE SHALL ALSO CONTACT YORK COUNTY AFTER THE REMOVAL OF THE TEMPORARY SEDIMENT CONTROL MEASURES AND THE CONVERSION OF ANY BMPs REQUIRED TO BE CONVERTED INTO PERMANENT CONTROL MEASURES, ONCE THE SITE HAS BEEN FINALLY STABILIZED.
  - NO STAGE OF WORK, RELATED TO THE CONSTRUCTION OF STORMWATER MANAGEMENT FACILITIES, SHALL PROCEED TO THE NEXT SUBSEQUENT STAGE OF WORK, ACCORDING TO THE SEQUENCE SPECIFIED IN THE APPROVED C-SWPPP STAGED CONSTRUCTION AND INSPECTION CONTROL SCHEDULE UNTIL IT IS INSPECTED AND APPROVED BY YORK COUNTY.
  - THE PERMITTEE ENGAGED IN OR CONDUCTING THE LAND-DISTURBING ACTIVITY SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES AND FACILITIES DURING THE DEVELOPMENT OF A SITE, AS REQUIRED BY THE DEVELOPER, THE DEVELOPER'S DESIGNER, OR ANY HOMEOWNER'S ASSOCIATION, PROPERTY OWNER'S ASSOCIATION OR OTHER COMMON OWNER ENTITY ESTABLISHED FOR THE GOVERNANCE/ADMINISTRATION OF A SUBDIVISION OR COMMON PLAN OF DEVELOPMENT, EXCEPT FACILITIES AND MEASURES INSTALLED WITHIN ROAD OR STREET RIGHTS-OF-WAY OR EASEMENTS ACCEPTED FOR MAINTENANCE BY YORK COUNTY.
  - APPROVED PLANS REMAIN VALID FOR FIVE YEARS FROM THE DATE OF AN APPROVAL.

**SCDOT TRAFFIC CONTROL NOTE:**

**\*NO LANE CLOSURES SHALL OCCUR ON GOLD HILL ROAD (SC-460) BETWEEN 7-AM AND 6-PM; MONDAY THROUGH FRIDAY. ALL LANE CLOSURES SHALL COMPLY WITH SCDOT STANDARD TRAFFIC CONTROL DETAILS AND/OR SPECIFICATIONS.**

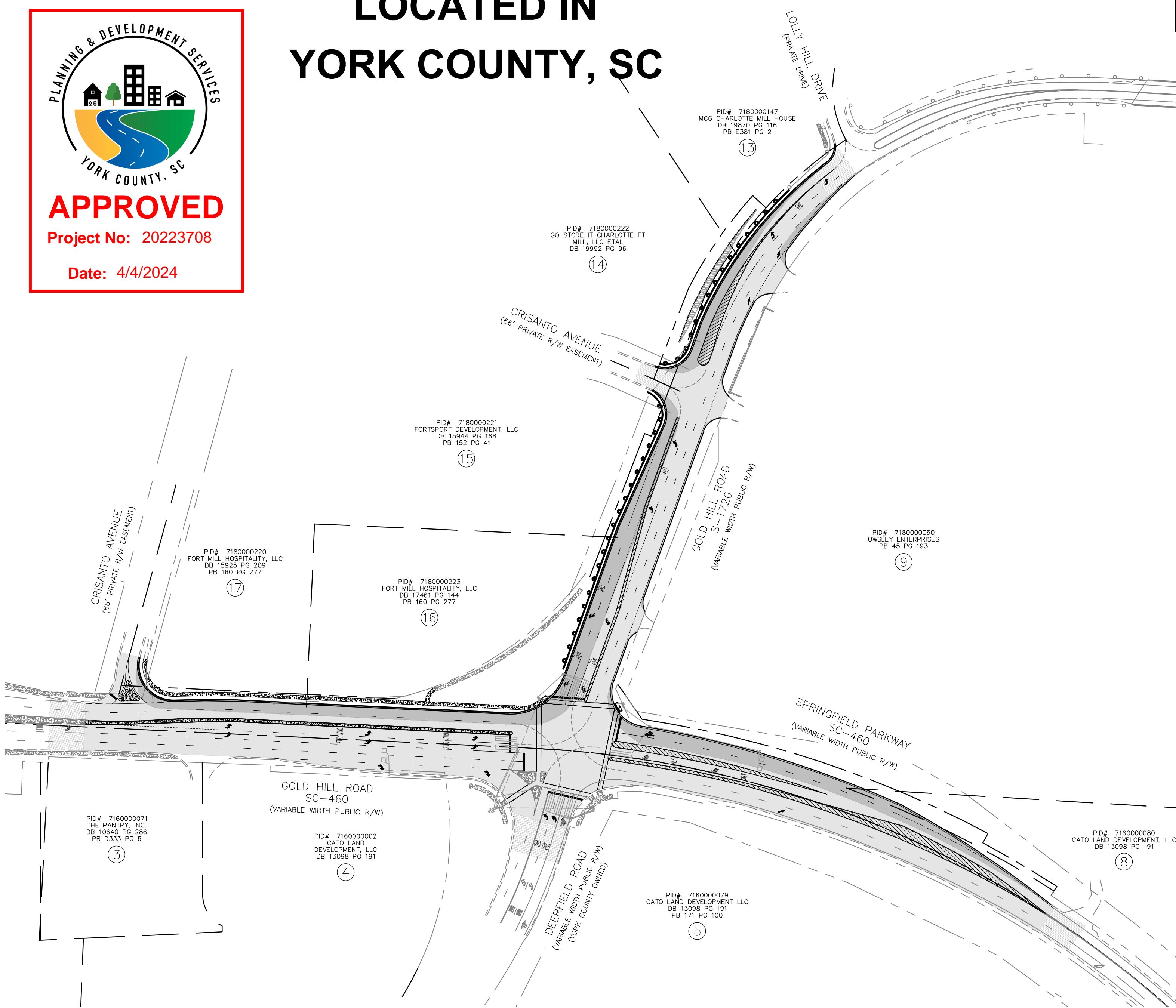
**APPLICANT'S CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

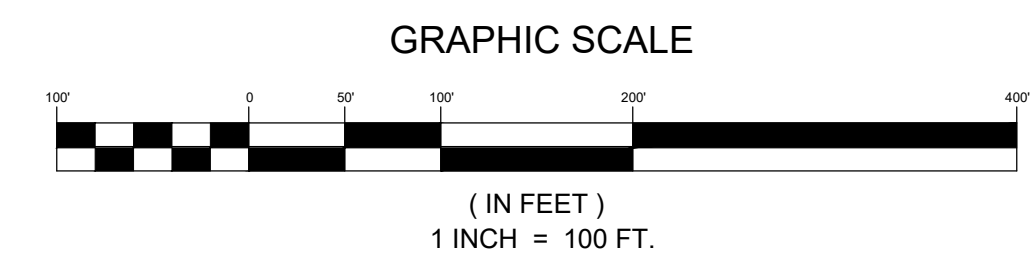
I hereby certify that, to the best of my knowledge, these plans contain all information required by Chapter 152 - Stormwater Management and Sediment Control of the York County Code of Ordinances and as referenced by this application. I hereby certify that all land disturbing activities including clearing, grading, construction and/or development will be done pursuant to this plan and agree to indemnify any person damaged by failure to comply with the approved plan. County and state authorities will be allowed to enter upon the project site at any reasonable time provided they present appropriate credentials.

**DESIGN PROFESSIONAL'S CERTIFICATION**

I have placed my signature and seal on the design documents submitted signifying that I accept responsibility for the design of the system. Further, I certify to the best of my knowledge and belief that the design is consistent with the requirements of Title 48, Chapter 14 of the Code of Laws of SC, 1976 as amended, pursuant to Regulation 72-300 et seq. (if applicable), and in accordance with the terms and conditions of SCR100000. I also certify that this plan is designed to contain sediment on the property concerned and to provide for the control of stormwater runoff from the property and that, to the best of my knowledge and belief, all the provisions are in accordance with Chapter 152 - Stormwater Management and Sediment Control of the York County Code of Ordinances.



	GOLD HILL RD & SPRINGFIELD PKWY	GOLD HILL RD NORTH	TOTAL
NET LENGTH OF ROADWAY	0.266 MILES	0.172 MILES	0.438 MILES
NET LENGTH OF BRIDGES	---	---	---
NET LENGTH OF PROJECT	0.266 MILES	0.172 MILES	0.438 MILES
LENGTH OF EXCEPTIONS	---	---	---
GROSS LENGTH OF PROJECT	0.266 MILES	0.172 MILES	0.438 MILES



**THIS SET IS CURRENT THROUGH SHEET DATE 3/20/2024**

ESP Associates, Inc.  
P.O. Box 7030  
Charlotte, NC 28241  
3475 Lakemont Blvd.  
Fort Mill, SC 29708  
704-583-4949 (NC)  
803-802-2440 (SC)  
www.espassociates.com

**ESP**

SOUTH CAROLINA  
REGISTERED PROFESSIONAL ENGINEER  
ESP ASSOCIATES, INC.  
No. 5839

SOUTH CAROLINA  
REGISTERED PROFESSIONAL ENGINEER  
No. 030911  
RYAN C. TURNER

NO.	DATE	REVISION	REVISION PER SCDOT AND YORK COUNTY COMMENTS
1.	3/20/2024		

**COVER SHEET**

**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS**

FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

**PROJECT INFORMATION**

PROJECT MANAGER: RCT  
 DESIGNED BY: DJH/CGB  
 DRAWN BY: DJH/CGB  
 PROJECT NUMBER: KT13.400  
 ORIGINAL DATE: 1/19/2024  
 SHEET: **C0.0**

811  
Know what's below.  
Call before you dig.

V:\KT13.400 - FMSD Edwards Campus - Office Road Improvements\KT13.05-COV.RWG.COVER SHEET.dwg

**GRADING NOTES:**

- 1. TOPOGRAPHIC INFORMATION OBTAINED FROM "TOPOGRAPHIC SURVEY: FMSD ELEMENTARY SCHOOL NO.12, MIDDLE SCHOOL NO.7 (EUBANKS)" PREPARED BY ESP ASSOCIATES, INC., DATED 10/09/2023.
2. THIS PROPERTY IS SUBJECT TO ANY AND ALL APPLICABLE DEED RESTRICTIONS, EASEMENTS, RIGHTS-OF-WAYS, UTILITIES AND COVENANTS WHICH ARE OF RECORD.
3. WORK AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE YORK COUNTY CODES OF ORDINANCE AND THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
4. CONTRACTOR IS RESPONSIBLE AT CONTRACTOR'S EXPENSE FOR ENSURING AND OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO CONSTRUCTION. THESE PERMITS MAY INCLUDE, BUT NOT LIMITED TO: GRADING, DEMOLITION, BLASTING, ZONING, BUILDING, DRIVEWAY, DETENTION, SUBDIVISION SPECIAL USE, WATER AND SEWER PERMITS AND APPROVALS.
5. GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION AND SUBJECT TO A FINE.
6. ANY GRADING PERFORMED BEYOND THE DENUDED LIMITS INDICATED ON THE CONSTRUCTION DOCUMENTS IS SUBJECT TO A FINE.
7. APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFFSITE GRADING, WRITTEN PERMISSION MUST BE OBTAINED FROM THE ADJACENT PROPERTY OWNER(S).
8. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR CONTACTING ALL APPROPRIATE UTILITIES AND ENSURING THAT UTILITIES ARE LOCATED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACCORDING TO SC STATE LAW. CONTRACTOR SHALL VERIFY LOCATION AND DEPTHS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
9. WHEN UNDERGROUND OBSTRUCTIONS NOT SHOWN ON THE CONSTRUCTION DRAWINGS (ROCK, PIPING, ETC.) ARE ENCOUNTERED, THE CONTRACTOR SHALL PROMPTLY REPORT THE CONFLICT TO THE OWNER'S ENGINEER. ALL CHANGES MUST BE APPROVED IN WRITING BY THE ENGINEER BEFORE CONSTRUCTION CAN PROCEED.
10. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ANY UTILITIES DAMAGED DURING CONSTRUCTION.
11. CLEARING AND GRUBBING SHALL BE PERFORMED WITHIN THE LIMITS SHOWN ON THE PLANS. ALL TIMBER, BRUSH ROOTS, STUMPS, TREES, OR OTHER VEGETATION CUT DURING THE CLEARING OPERATIONS SHALL BECOME THE CONTRACTOR'S RESPONSIBILITY TO DISPOSE OF PROPERLY. AND SHALL BE EITHER REMOVED FROM THE PROJECT SITE BY THE CONTRACTOR, OR SATISFACTORILY DISPOSED OF ON-SITE WITH APPROVAL FROM THE OWNER.
12. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR PROPER REMOVAL OF ALL CONSTRUCTION WASTE AND DEBRIS. ALL WASTE AND DEBRIS SHALL BE LEGALLY DISPOSED AT AN OFFSITE LOCATION.
13. ROAD SHOULDERS, SWALES, BACK-OF-CURBS, AND CUT/FILL BANKS SHALL BE COMPLETELY DRESSED BY THE CONTRACTOR AND SEEDED AS SOON AS POSSIBLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THESE AREAS UNTIL A PERMANENT STAND OF GRASS IS ESTABLISHED.
14. CUT AND FILL SLOPES OF ANY AREA SHALL NOT EXCEED THE RATIO OF 2:1, UNLESS NOTED OTHERWISE.
15. STREETS SHALL BE GRADED IN ACCORDANCE WITH THE LINES AND GRADE SET BY THE ENGINEER. BEFORE PLACING CURB AND GUTTER OR BASE ON THE GRADED SUBGRADE, THE SUBGRADE SHALL BE COMPACTED TO 100% PER ASTM D698 FOR A DEPTH OF TWELVE (12) INCHES, 95% GREATER THAN TWELVE (12) INCHES, AND THEN SHALL BE PROOF ROLLED IN THE PRESENCE OF THE ENGINEER. PLACES THAT ARE FOUND TO BE LOOSE, SOFT, OR COMPOSED OF UNSUITABLE MATERIALS, WHETHER IN THE SUBGRADE OR BELOW IT, MUST BE DUG OUT AND REFILLED WITH SUITABLE MATERIAL. ALL EMBANKMENTS OR FILLS SHALL BE MADE IN SIX-INCH VERTICAL LIFTS OF SUITABLE MATERIAL. THE FILL SHALL BE ROLLED WITH A SHEEPS-FOOT ROLLER AFTER EACH LIFT, FOLLOWED BY A WHEEL ROLLER, EACH WEIGHING NOT LESS THAN TEN (10) TONS.
16. THE STONE BASE SHALL BE COMPACTED TO 100% OF THE MAXIMUM DENSITY OBTAINABLE WITH THE MODIFIED PROCTOR TEST (AASHTO-T180) BY ROLLING WITH RING OR TAMPING ROLLER OR WITH A PNEUMATIC TIERED ROLLER WITH A MINIMUM WEIGHT OF TEN TONS. WHEN COMPLETED, THE BASE COURSE SHALL BE SMOOTH, HARD, DENSE, UNYIELDING AND WELL BONDED.
17. FILL EMBANKMENTS SHALL BE FORMED OF SUITABLE MATERIAL PLACED IN SUCCESSIVE LAYERS NOT TO EXCEED MORE THAN SIX (6) INCHES IN DEPTH FOR THE FULL WIDTH OF THE CROSS-SECTION, INCLUDING THE WIDTH OF THE SLOPE AREA. NO STUMPS, TREES, BRUSH, RUBBISH OR OTHER UNSUITABLE MATERIALS OR SUBSTANCES SHALL BE PLACED IN THE EMBANKMENT. EACH SUCCESSIVE SIX (6) INCH LAYER SHALL BE THOROUGHLY COMPACTED BY THE SHEEPS-FOOT TAMPING ROLLER, 10-TON POWER ROLLER, PNEUMATIC-TIERED ROLLER, OR OTHER METHODS APPROVED BY THE ENGINEER. EMBANKMENTS OVER AND AROUND ALL PIPE CULVERTS SHALL BE OF SELECT MATERIAL, PLACED AND THOROUGHLY TAMPED AND COMPACTED AS DIRECTED BY THE ENGINEER.
18. ALL BACKFILL SHALL BE OF LOW PLASTICITY, FREE FROM ROOTS, VEGETATIVE MATTER, WASTE, CONSTRUCTION MATERIAL, AND OTHER OBJECTIONABLE MATERIAL. SAID MATERIAL SHALL BE CAPABLE OF BEING COMPACTED BY MECHANICAL MEANS AND THE MATERIAL SHALL HAVE NO TENDENCY TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER THE TAMPING BLOWS OR PROOF ROLLING.
19. ALL PROPOSED GRADES SHOWN ON THESE PLANS ARE FINAL GRADES. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE APPROPRIATE SUBGRADE ELEVATIONS.
20. ON-SITE BURIAL PITS ARE NOT ALLOWED.
21. NO EQUIPMENT SHALL IMPEDE IN-USE TRAVEL LANES.

**CONSTRUCTION SEQUENCE:**

- PRE-CONSTRUCTION PHASE
1. RECEIVE NPDES COVERAGE FROM SCDHEC
2. SCHEDULE PRE-CONSTRUCTION MEETING WITH YORK COUNTY INSPECTOR (TO BE HELD ON-SITE IF MORE THAN 10 DISTURBED ACRES)
3. NOTIFY SCDHEC EGC REGIONAL OFFICE A MINIMUM OF 48 HOURS PRIOR TO BEGINNING LAND DISTURBANCE ACTIVITIES
4. CLEAR AND GRUB ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS
5. INSTALL PERIMETER CONTROLS (E.G., SILT FENCE)
GRADING OPERATION PHASE
6. CLEAR AND GRUB SITE (SEDIMENT AND EROSION CONTROL MEASURES FOR THESE AREAS MUST ALREADY BE INSTALLED)
7. REMOVE AND DEMOLISH STRUCTURES IN ACCORDANCE WITH GRADING & EROSION CONTROL PLAN
8. DILIGENTLY MAINTAIN EROSION CONTROL DEVICES DURING GRADING OPERATIONS, INSTALL DIVERSION DITCHES AND ROCK CHECK DAMS
9. AS AREAS ARE BROUGHT TO GRADE, DIVERSION DITCHES SHOULD BE CONTINUOUSLY MOVED UP THE SLOPE AS FILL INCREASES
10. AS AREAS ARE BROUGHT TO FINISHED GRADE, THEY SHALL BE SEEDED AND FERTILIZED AS SOON AS POSSIBLE
11. APPROVAL FROM THE EROSION CONTROL INSPECTOR MUST BE OBTAINED BEFORE PROCEEDING WITH UTILITY CONSTRUCTION PHASE
UTILITY CONSTRUCTION PHASE
12. INSTALL STORM DRAIN SYSTEM
13. INSTALL ROCK CHECK DAMS AND DIVERSION DITCHES DURING THE CONSTRUCTION OF THE DRAINAGE SYSTEMS
14. COMPLETE STORM DRAINAGE
15. BEGIN FINE GRADING, PAVING, ETC.
PROJECT COMPLETION PHASE
16. PERMANENTLY STABILIZE ALL DISTURBED AREAS
17. REQUEST APPROVAL TO REMOVE EROSION CONTROL MEASURES FROM INSPECTOR OR SWPPP PREPARER
18. SUBMIT A NOTICE OF TERMINATION TO SCDHEC ONCE TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES HAVE BEEN REMOVED AND THE SITE IS COMPLETELY STABILIZED.

**GENERAL CONSTRUCTION NOTES:**

- 1. THE ENGINEER MUST SPECIFICALLY AUTHORIZE CHANGES INVOLVING INCREASED COST OF THE PROJECT OR CHANGES IN ALIGNMENT. FORWARD INFORMATION ON ANY PROPOSED CHANGES IN ALIGNMENT TO THE ENGINEER AS SOON AS POSSIBLE.
2. WORK ON THIS PROJECT SHALL CONFORM TO THE MOST CURRENT SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION.
3. ALL TRAFFIC CONTROL SHALL CONFORM TO THE MOST CURRENT SCDOT STANDARDS AND SPECIFICATIONS.
4. SAW CUTTING OF THE EXISTING PAVEMENT, WHERE EXISTING PAVEMENT IS TO BE REMOVED OUTSIDE THE LIMITS OF THE NEW PAVEMENT, SHALL BE CUT TO A SMOOTH VERTICAL FACE.
5. NO LANE CLOSURES SHALL OCCUR ON GOLD HILL ROAD (SC-460) BETWEEN 7-AM AND 6-PM, MONDAY THROUGH FRIDAY. ALL LANE CLOSURES SHALL COMPLY WITH SCDOT STANDARD TRAFFIC CONTROL DETAILS AND/OR SPECIFICATIONS.

**SCDOT PROJECT CONTACTS**

Table with 3 columns: NAME, EMAIL, TELEPHONE. Rows include VIC EDWARDS, PE, SCDOT; DAVID GAMBLE, PE, SCDOT; BLAKE GILFILLAN, PE, SCDOT; AMY CASE, SCDOT.

**EXISTING CONDITIONS NOTES:**

- 1. CONTRACTOR TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO DEMOLITION.
2. ANY EXISTING UTILITIES WHICH HAVE LESS THAN 3 FEET OF COVER SHALL BE RELOCATED TO HAVE AT LEAST 3 FEET OF COVER.
3. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER FOR FINAL LOCATION OF UTILITIES.
4. EXISTING TOPOGRAPHICAL DATA OBTAINED FROM "TOPOGRAPHIC SURVEY FMSD ELEMENTARY SCHOOL NO. 12, MIDDLE SCHOOL NO. 7 (EUBANKS)" BY ESP ASSOCIATES, DATED OCTOBER 9, 2023.
5. BENCHMARK: #5 REBAR SC GRID COORDINATES NAD 83/2011 N:1,174,450.88' E:2,013,609.45' EL:534.21' (NAVD 88) BENCHMARK: RW DISC SC GRID COORDINATES NAD 83/2011 N:1,174,399.22' E:2,014,652.92' EL:598.90' (NAVD 88)

**DEMOLITION NOTES:**

- 1. ALL NECESSARY PERMITS FOR DEMOLITION SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO BEGINNING WORK. CONTRACTOR SHALL PROTECT ALL ADJACENT LANDS FROM DAMAGE DURING DEMOLITION WORK. ANY OFF-SITE AREAS DISTURBED SHALL BE RETURNED TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING CONDITION.
2. NO DEMOLITION EXPOSING SOILS PRIOR TO PRE-CONSTRUCTION MEETING.
3. DEMOLITION MATERIALS NOT SUITABLE FOR FILL MATERIAL SHALL BE LEGALLY DISPOSED OF OFF-SITE. ALL DEBRIS SHALL BE HAULED OFF-SITE TO A DISPOSAL AREA APPROVED BY THE STATE OF SOUTH CAROLINA FOR THE HANDLING OF DEMOTION DEBRIS.
4. ALL MATERIAL EXCEPT THAT BELONGING TO A PUBLIC OR PRIVATE UTILITY COMPANY SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY YORK COUNTY NATURAL GAS, THE TOWN OF FORT MILL, YORK ELECTRIC COOPERATIVE, AND DUKE POWER WHEN WATER, GAS, AND ELECTRIC METERS ARE READY FOR REMOVAL AND SHALL BE RESPONSIBLE FOR DISCONNECTING ALL UTILITIES IN COMPLIANCE WITH YORK COUNTY REQUIREMENTS.
5. ALL STRUCTURES NOT LABELED FOR DEMOLITION SHALL BE PROTECTED FROM DAMAGE DURING ALL PHASES OF CONSTRUCTION. ANY STRUCTURES THAT ARE TO REMAIN THAT ARE DAMAGED SHALL BE REPAIRED BY THE CONTRACTOR TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING CONDITION AT NO ADDITIONAL COST. THE OWNER AND ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF DAMAGE TO ANY EXISTING STRUCTURE.
6. CONSTRUCTION ENTRANCE AND PERIMETER EROSION CONTROL MEASURES, SUCH AS SILT FENCE, PER THE APPROVED EROSION CONTROL PLANS SHALL BE INSTALLED PRIOR TO DEMOLITION OPERATIONS.
7. NECESSARY BARRICADES, SUFFICIENT LIGHTS, SIGNS, AND OTHER TRAFFIC CONTROL METHODS AS MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC SHALL BE PROVIDED AND MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.

**EROSION CONTROL SEQUENCE:**

- 1. AS STORM DRAINAGE SYSTEMS ARE CONSTRUCTED, INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY AT EACH INLET. PROTECT EACH INLET OF STORM DRAINAGE SYSTEM UNTIL AREAS CONTRIBUTING TO EACH INLET ARE PERMANENTLY STABILIZED.
2. STABILIZE SITE AS AREAS ARE BROUGHT TO FINISHED GRADE.
3. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES.
4. COMPLETE STORM DRAINAGE SYSTEM.
5. BEGIN FINE GRADING, ROAD INSTALLATION, AND PAVING.
6. ALL INTERNAL STREETS ON SITE ARE TO REMAIN FREE OF SEDIMENT TO REDUCE THE POTENTIAL FOR TRACK-OUT ON TO PUBLIC STREETS.
7. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION), AND BOOK OF STANDARD DRAWINGS FOR ROAD CONSTRUCTION.
8. COORDINATE WITH EROSION CONTROL INSPECTOR PRIOR TO THE REMOVAL OF EROSION CONTROL MEASURES.



ESP Associates, Inc. P.O. Box 7030 Charlotte, NC 28241 3475 Lakemont Blvd. Fort Mill, SC 29708 704-583-4949 (NC) 803-802-2440 (SC) www.espasociates.com

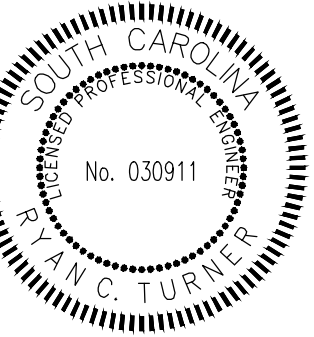


Table with 4 columns: NO., DATE, REVISION, COMMENTS. Row 1: 1, 3/20/2024, REVISED PER SCDOT AND YORK COUNTY COMMENTS.

**GENERAL NOTES**

**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS** YORK COUNTY, SC FORT MILL SCHOOL DISTRICT

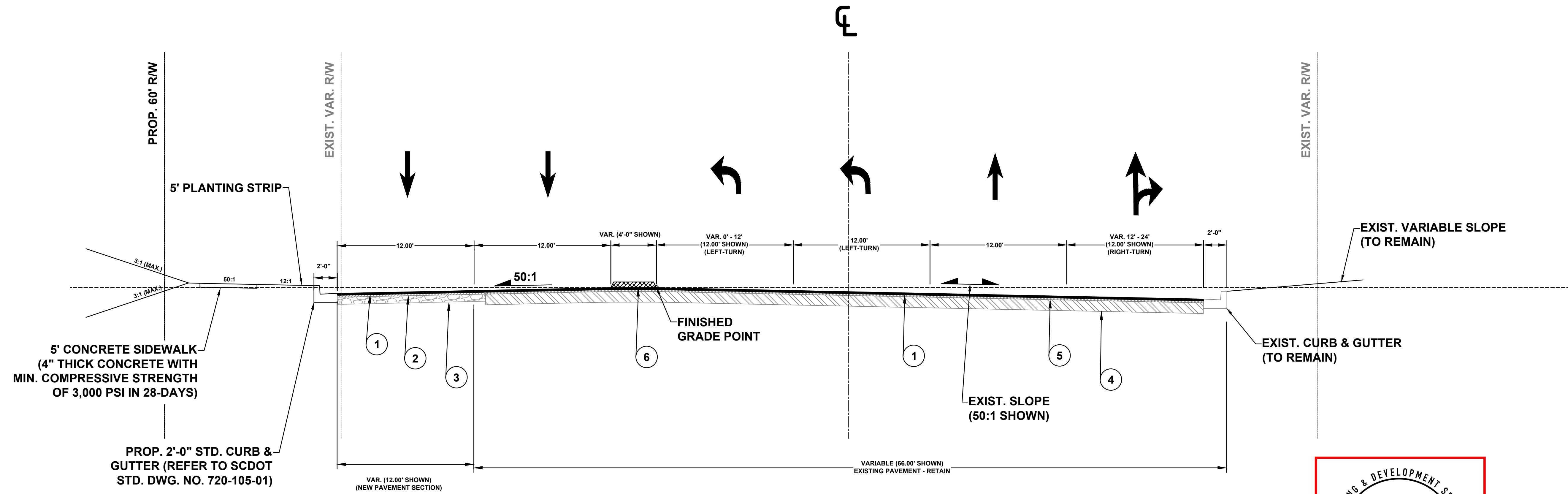
**PROJECT INFORMATION**

Table with 2 columns: FIELD, VALUE. Rows include PROJECT MANAGER: RCT; DESIGNED BY: DJH/CEB; DRAWN BY: DJH/CEB; PROJECT NUMBER: KT13.400; ORIGINAL DATE: 1/19/2024.

SHEET: C0.1



# TYPICAL SECTION OF IMPROVEMENT YORK COUNTY, SOUTH CAROLINA



## TYPICAL SECTION NO. 1

USE THIS SECTION ON  
GOLD HILL ROAD (SC-460)

STA. 13+89.56 (BEGIN IMPROVEMENTS) TO STA. 20+16.38 (INTERSECTION)

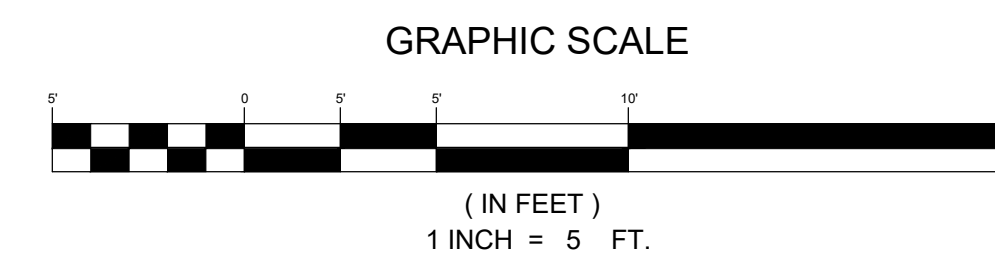


### LEGEND

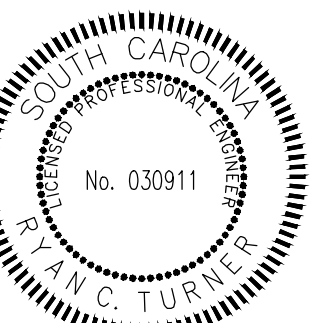
- |   |   |  |
|---|---|--|
| 1 | HOT MIX ASPHALT SURFACE COURSE, TYPE B (200 LBS. / S.Y.)<br>(REFER TO SCDOT STD. SPEC. SECTION 403) |  |
| 2 | HOT MIX ASPHALT SURFACE COURSE, TYPE B (200 LBS. / S.Y.)<br>(REFER TO SCDOT STD. SPEC. SECTION 403) |  |
| 3 | HOT MIX ASPHALT BASE COURSE, TYPE B (825 LBS. / S.Y.)<br>(REFER TO SCDOT STD. SPEC. SECTION 310)    |  |
| 4 | EXISTING ASPHALT  |  |
| 5 | VARIABLE MILLING  |  |
| 6 | RAISED CONCRETE MEDIAN<br>(REFER TO SCDOT STD. DWG. NO. 720-105-03 & 630-215-00)                    |  |

### NOTES:

- FOR SCDOT STANDARD DETAILS, REFER TO SHEETS C7.0 - C7.4.
- CONTRACTOR SHALL INSTALL CONCRETE ISLANDS, MEDIANS, SIDEWALK, CURB & GUTTER, AND ADA ACCESSIBLE RAMPS IN ACCORDANCE WITH SCDOT SPECIFICATION 720.
- ALL ASPHALT SURFACE COURSE OVERLAY SHALL BE INSTALLED IN ACCORDANCE SCDOT DIVISION 400.
- ALL DIMENSIONS ARE 90-DEGREES, UNLESS OTHERWISE NOTED.



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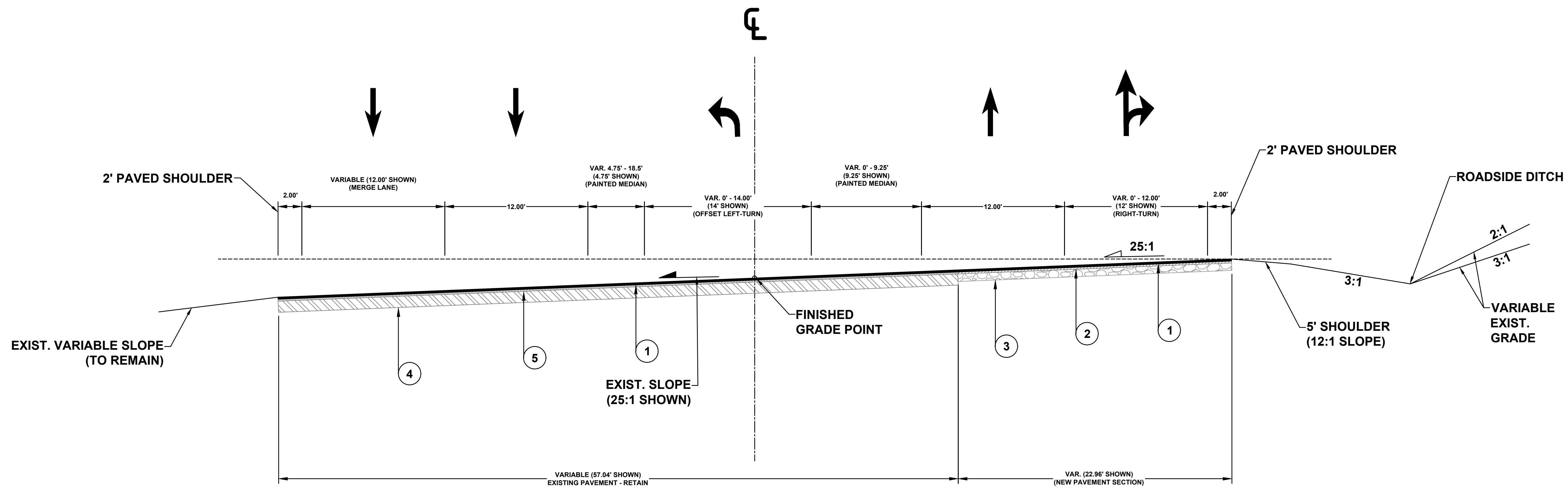


NO.	DATE	REVISION	BY

ROADWAY TYPICAL SECTION - SHEET 1 OF 4  
GOLD HILL ROAD & SPRINGFIELD PKWY.  
INTERSECTION IMPROVEMENTS  
FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

PROJECT INFORMATION	
PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	C0.2

# TYPICAL SECTION OF IMPROVEMENT YORK COUNTY, SOUTH CAROLINA



## TYPICAL SECTION NO. 2

USE THIS SECTION ON  
SPRINGFIELD PARKWAY (SC-460)  
STA. 21+22.10 (INTERSECTION) TO STA. 27+79.10 (END IMPROVEMENTS)

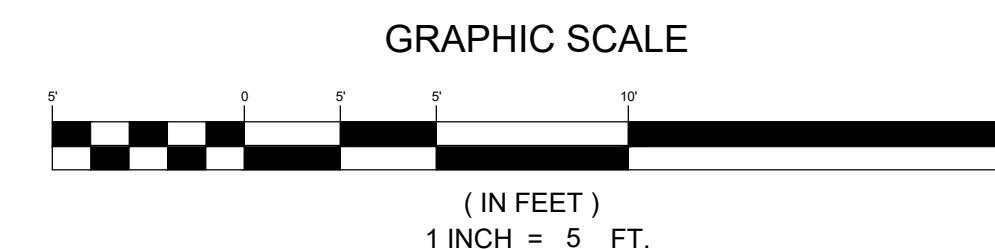


### LEGEND

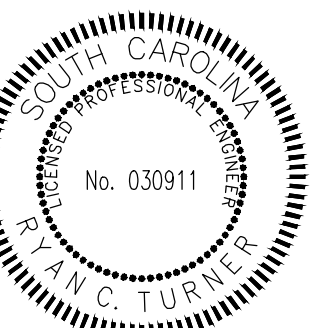
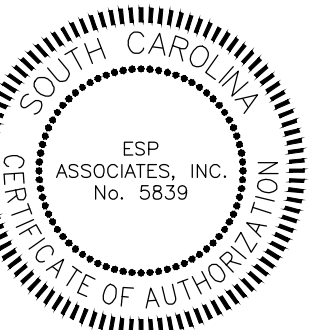
- 1 HOT MIX ASPHALT SURFACE COURSE, TYPE B (200 LBS. / S.Y.) (REFER TO SCDOT STD. SPEC. SECTION 403)
- 2 HOT MIX ASPHALT SURFACE COURSE, TYPE B (200 LBS. / S.Y.) (REFER TO SCDOT STD. SPEC. SECTION 403)
- 3 HOT MIX ASPHALT BASE COURSE, TYPE B (825 LBS. / S.Y.) (REFER TO SCDOT STD. SPEC. SECTION 310)
- 4 EXISTING ASPHALT
- 5 VARIABLE MILLING
- 6 RAISED CONCRETE MEDIAN (REFER TO SCDOT STD. DWG. NO. 720-105-03 & 630-215-00)

### NOTES:

- 1) FOR SCDOT STANDARD DETAILS, REFER TO SHEETS C7.0 - C7.4.
- 2) CONTRACTOR SHALL INSTALL CONCRETE ISLANDS, MEDIANS, SIDEWALK, CURB & GUTTER, AND ADA ACCESSIBLE RAMPS IN ACCORDANCE WITH SCDOT SPECIFICATION 720.
- 3) ALL ASPHALT SURFACE COURSE OVERLAY SHALL BE INSTALLED IN ACCORDANCE SCDOT DIVISION 400.
- 4) ALL DIMENSIONS ARE 90-DEGREES, UNLESS OTHERWISE NOTED.



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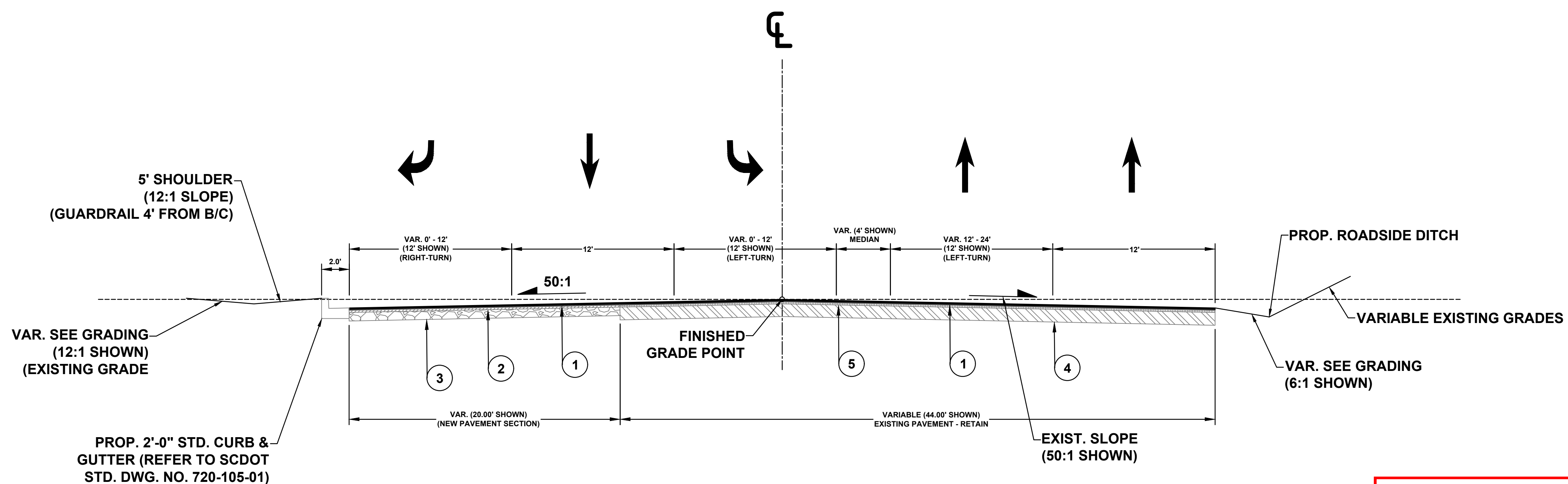


NO.	DATE	REVISION	BY

ROADWAY TYPICAL SECTION - SHEET 2 OF 4  
GOLD HILL ROAD & SPRINGFIELD PKWY.  
INTERSECTION IMPROVEMENTS  
FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

PROJECT INFORMATION	
PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C0.3</b>

# TYPICAL SECTION OF IMPROVEMENT YORK COUNTY, SOUTH CAROLINA



### TYPICAL SECTION NO. 3

USE THIS SECTION ON  
GOLD HILL ROAD NORTH  
STA. 10+00.00 (BEGIN GOLD HILL RD NORTH) TO STA. 17+38.00

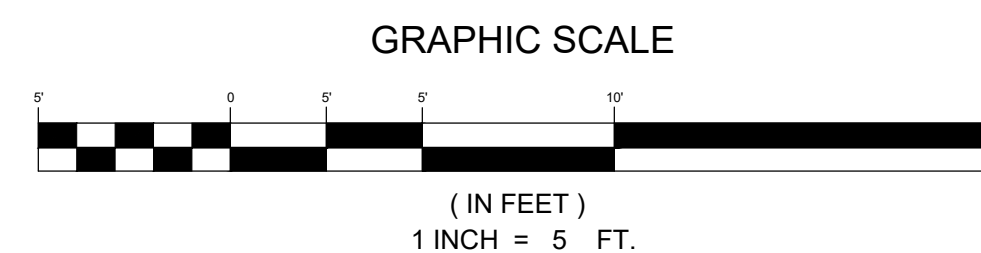


#### LEGEND

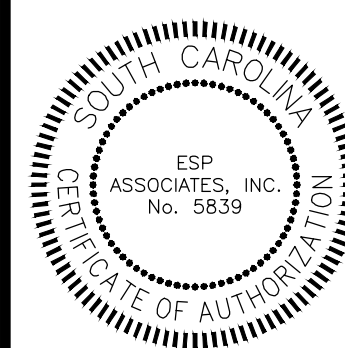
- |   |   |  |
|---|---|--|
| 1 | HOT MIX ASPHALT SURFACE COURSE, TYPE B (200 LBS. / S.Y.)<br>(REFER TO SCDOT STD. SPEC. SECTION 403) |  |
| 2 | HOT MIX ASPHALT SURFACE COURSE, TYPE B (200 LBS. / S.Y.)<br>(REFER TO SCDOT STD. SPEC. SECTION 403) |  |
| 3 | HOT MIX ASPHALT BASE COURSE, TYPE B (825 LBS. / S.Y.)<br>(REFER TO SCDOT STD. SPEC. SECTION 310)    |  |
| 4 | EXISTING ASPHALT  |  |
| 5 | VARIABLE MILLING  |  |
| 6 | RAISED CONCRETE MEDIAN<br>(REFER TO SCDOT STD. DWG. NO. 720-105-03 & 630-215-00)                    |  |

#### NOTES:

- FOR SCDOT STANDARD DETAILS, REFER TO SHEETS C7.0 - C7.4.
- CONTRACTOR SHALL INSTALL CONCRETE ISLANDS, MEDIANS, SIDEWALK, CURB & GUTTER, AND ADA ACCESSIBLE RAMPS IN ACCORDANCE WITH SCDOT SPECIFICATION 720.
- ALL ASPHALT SURFACE COURSE OVERLAY SHALL BE INSTALLED IN ACCORDANCE SCDOT DIVISION 400.
- ALL DIMENSIONS ARE 90-DEGREES, UNLESS OTHERWISE NOTED.



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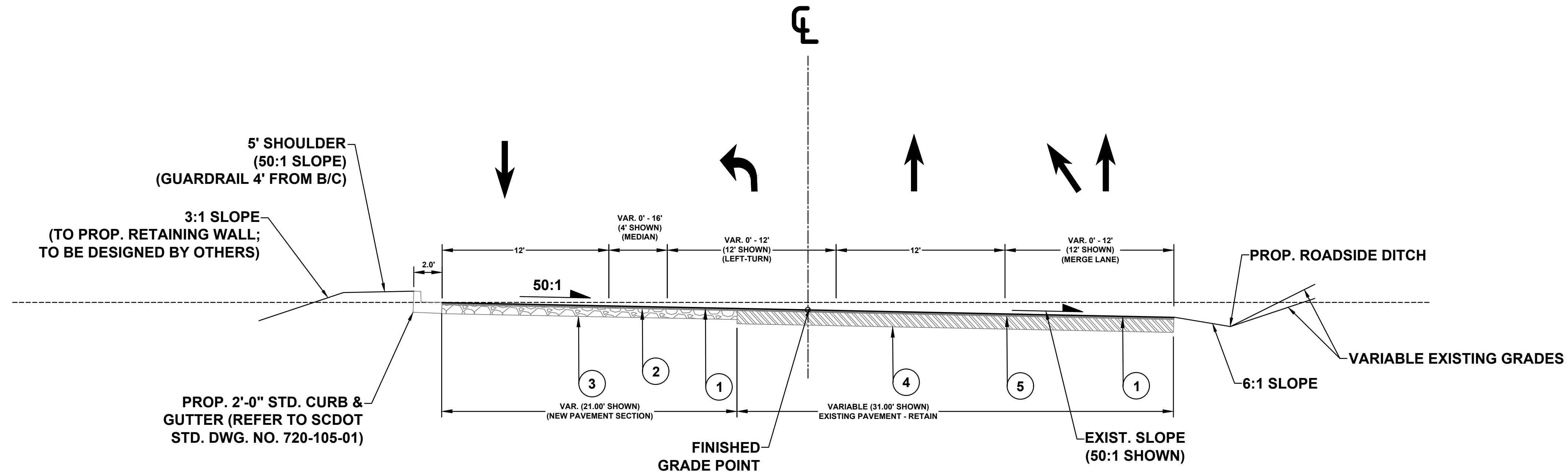


NO.	DATE	REVISION

**ROADWAY TYPICAL SECTION - SHEET 3 OF 4**  
**GOLD HILL ROAD & SPRINGFIELD PKWY.**  
**INTERSECTION IMPROVEMENTS**  
FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

PROJECT INFORMATION	
PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C0.4</b>

# TYPICAL SECTION OF IMPROVEMENT YORK COUNTY, SOUTH CAROLINA



## TYPICAL SECTION NO. 4

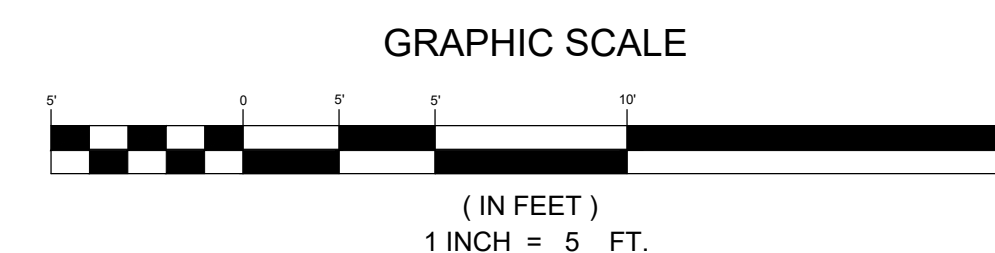
USE THIS SECTION ON  
GOLD HILL ROAD NORTH  
STA. 17+38.00 TO STA. 19+05.87 (END IMPROVEMENTS)

### LEGEND

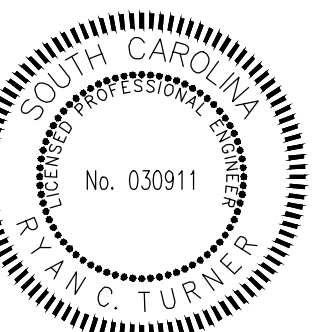
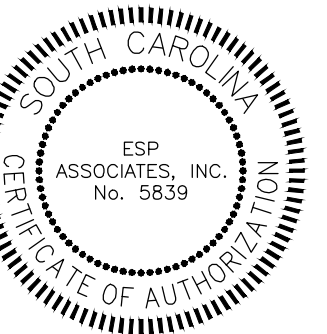
- |   |   |  |
|---|---|--|
| 1 | HOT MIX ASPHALT SURFACE COURSE, TYPE B (200 LBS. / S.Y.)<br>(REFER TO SCDOT STD. SPEC. SECTION 403) |  |
| 2 | HOT MIX ASPHALT SURFACE COURSE, TYPE B (200 LBS. / S.Y.)<br>(REFER TO SCDOT STD. SPEC. SECTION 403) |  |
| 3 | HOT MIX ASPHALT BASE COURSE, TYPE B (825 LBS. / S.Y.)<br>(REFER TO SCDOT STD. SPEC. SECTION 310)    |  |
| 4 | EXISTING ASPHALT  |  |
| 5 | VARIABLE MILLING  |  |
| 6 | RAISED CONCRETE MEDIAN<br>(REFER TO SCDOT STD. DWG. NO. 720-105-03 & 630-215-00)                    |  |

### NOTES:

- FOR SCDOT STANDARD DETAILS, REFER TO SHEETS C7.0 - C7.4.
- CONTRACTOR SHALL INSTALL CONCRETE ISLANDS, MEDIANS, SIDEWALK, CURB & GUTTER, AND ADA ACCESSIBLE RAMPS IN ACCORDANCE WITH SCDOT SPECIFICATION 720.
- ALL ASPHALT SURFACE COURSE OVERLAY SHALL BE INSTALLED IN ACCORDANCE SCDOT DIVISION 400.
- ALL DIMENSIONS ARE 90-DEGREES, UNLESS OTHERWISE NOTED.



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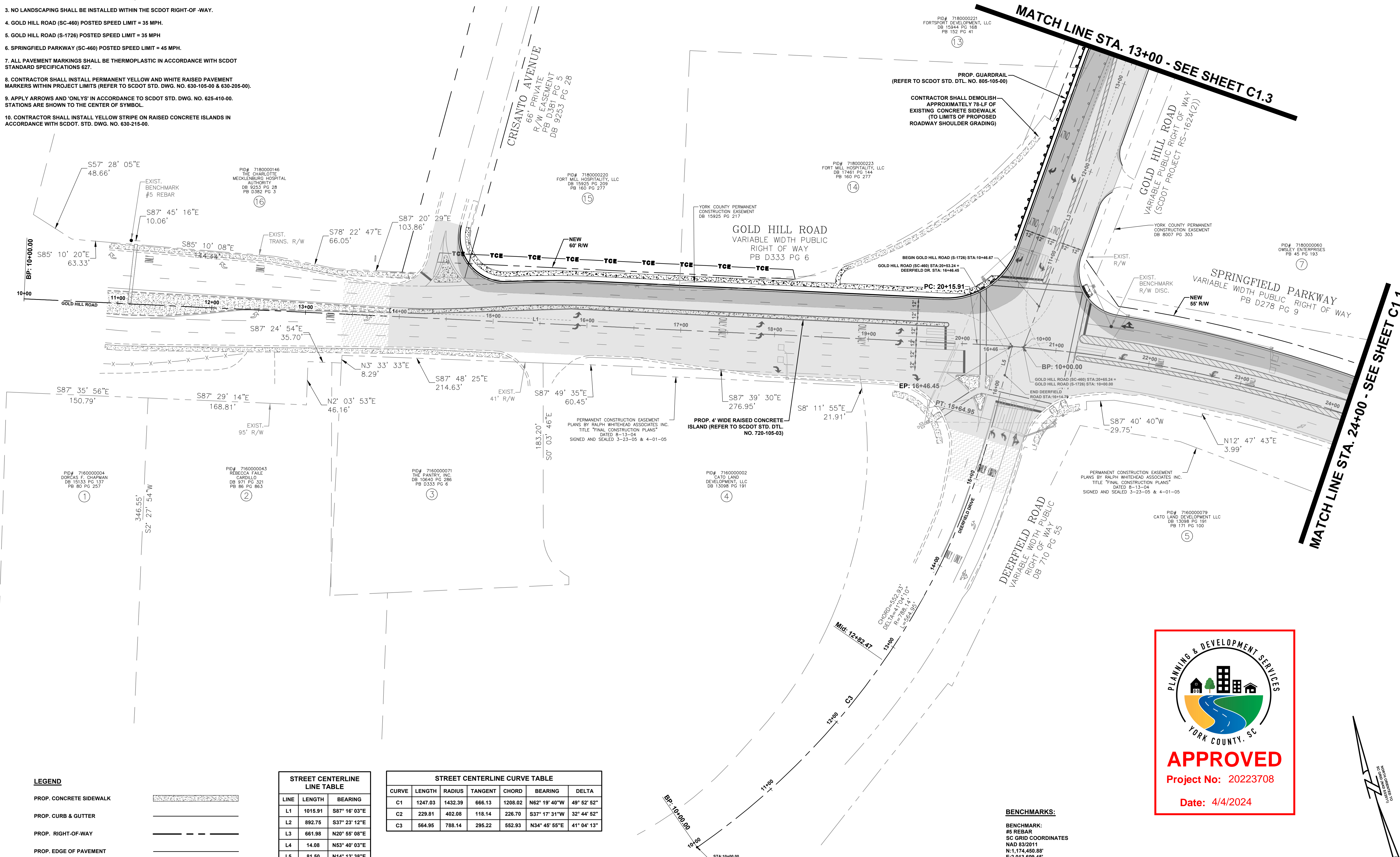
NO.	DATE	REVISION	BY

ROADWAY TYPICAL SECTION - SHEET 4 OF 4  
GOLD HILL ROAD & SPRINGFIELD PKWY.  
INTERSECTION IMPROVEMENTS  
FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

PROJECT INFORMATION	
PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C0.5</b>

**SCDOT NOTES**

- FULL DEPTH PAVEMENT SHALL BE INSTALLED WITHIN THE SCDOT RIGHT-OF-WAY. (SEE SHEET C2.0 FOR R/W OBTAINED AND SHEETS C2.1 - C2.4 FOR EXIST. & PROP. R/W LIMITS)
- FULL DEPTH PAVEMENT SECTION:  
200 LBS/SY - HOT MIX ASPHALT SURFACE COURSE, TYPE B  
200 LBS/SY - HOT MIX ASPHALT SURFACE COURSE, TYPE B  
825 LBS/SY - HOT MIX ASPHALT BASE COURSE, TYPE B
- NO LANDSCAPING SHALL BE INSTALLED WITHIN THE SCDOT RIGHT-OF-WAY.
- GOLD HILL ROAD (SC-460) POSTED SPEED LIMIT = 35 MPH.
- GOLD HILL ROAD (S-1726) POSTED SPEED LIMIT = 35 MPH
- SPRINGFIELD PARKWAY (SC-460) POSTED SPEED LIMIT = 45 MPH.
- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC IN ACCORDANCE WITH SCDOT STANDARD SPECIFICATIONS 627.
- CONTRACTOR SHALL INSTALL PERMANENT YELLOW AND WHITE RAISED PAVEMENT MARKERS WITHIN PROJECT LIMITS (REFER TO SCDOT STD. DWG. NO. 630-105-00 & 630-205-00).
- APPLY ARROWS AND 'ONLY'S' IN ACCORDANCE TO SCDOT STD. DWG. NO. 625-410-00. STATIONS ARE SHOWN TO THE CENTER OF SYMBOL.
- CONTRACTOR SHALL INSTALL YELLOW STRIPE ON RAISED CONCRETE ISLANDS IN ACCORDANCE WITH SCDOT. STD. DWG. NO. 630-215-00.



**LEGEND**

PROP. CONCRETE SIDEWALK	
PROP. CURB & GUTTER	
PROP. RIGHT-OF-WAY	
PROP. EDGE OF PAVEMENT	
PROP. PAVEMENT MARKING	
EXIST. EDGE OF PAVEMENT	
EXIST. BACK OF CURB	
EXIST. PAVEMENT MARKING	
EXIST. PAVEMENT (VAR. MILLING & OVERLAY)	
FULL DEPTH PAVEMENT	
ASPHALT MILLING TRANSITION	

**STREET CENTERLINE LINE TABLE**

LINE	LENGTH	BEARING
L1	1015.91	S87° 16' 03"E
L2	892.75	S37° 23' 12"E
L3	661.98	N20° 55' 08"E
L4	14.08	N53° 40' 03"E
L5	81.50	N14° 13' 38"E

**STREET CENTERLINE CURVE TABLE**

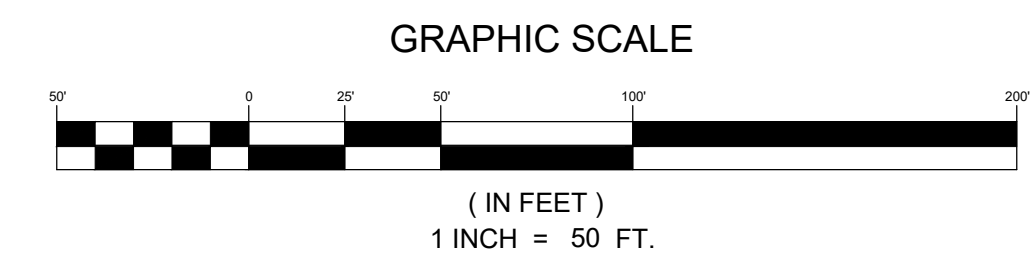
CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
C1	1247.03	1432.39	666.13	1208.02	N62° 19' 40"W	49° 52' 52"
C2	229.81	402.08	118.14	226.70	S37° 17' 31"W	32° 44' 52"
C3	564.95	788.14	295.22	552.93	N34° 45' 55"E	41° 04' 13"

**BENCHMARKS:**

**BENCHMARK: #5 REBAR**  
SC GRID COORDINATES  
NAD 83/2011  
N: 1,174,450.88  
E: 2,013,609.45  
EL: 634.21 (NAVD 88)

**BENCHMARK: R/W DISC**  
SC GRID COORDINATES  
NAD 83/2011  
N: 1,174,359.22  
E: 2,014,652.82  
EL: 598.90 (NAVD 88)

**BENCHMARK: 60 D NAIL**  
SC GRID COORDINATES  
NAD 83/2011  
N: 1,173,203.90  
E: 2,016,046.22  
EL: 566.09 (NAVD 88)



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www.espasociates.com

YORK COUNTY, SC  
R. W. TURLEY  
No. 030911

NO.	DATE	REVISION	REVISED PER SCDOT AND YORK COUNTY COMMENTS
1.	3/20/2024		

**STAKE OUT PLAN - SHEET 1 OF 3**

**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS**

FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

PROJECT INFORMATION

PROJECT MANAGER: RCT

DESIGNED BY: DJH/CGB

DRAWN BY: DJH/CGB

PROJECT NUMBER: KT13.400

ORIGINAL DATE: 1/19/2024

SHEET: **C1.0**

V:\113.400 - Ired exurban campus - utility road improvements - KT13-Sheet\KT13-03-STAKE OUT PLAN.dwg, STAKE OUT PLAN - SHEET 1 OF 3, flumer

MATCH LINE STA. 24+00 - SEE SHEET C1.0

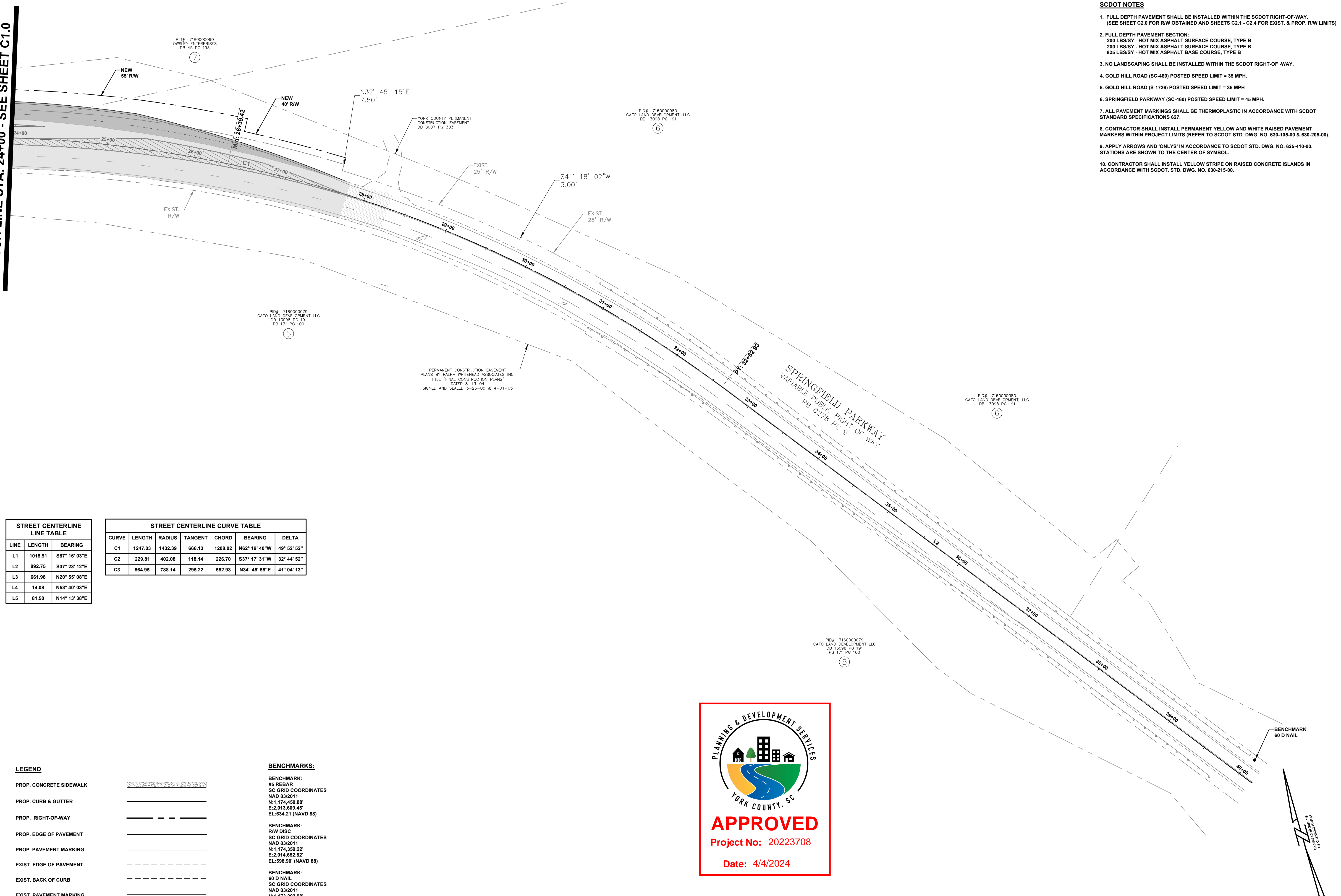
- SCDOT NOTES**
- FULL DEPTH PAVEMENT SHALL BE INSTALLED WITHIN THE SCDOT RIGHT-OF-WAY. (SEE SHEET C2.0 FOR RW OBTAINED AND SHEETS C2.1 - C2.4 FOR EXIST. & PROP. RW LIMITS)
  - FULL DEPTH PAVEMENT SECTION:  
200 LBS/SY - HOT MIX ASPHALT SURFACE COURSE, TYPE B  
200 LBS/SY - HOT MIX ASPHALT SURFACE COURSE, TYPE B  
825 LBS/SY - HOT MIX ASPHALT BASE COURSE, TYPE B
  - NO LANDSCAPING SHALL BE INSTALLED WITHIN THE SCDOT RIGHT-OF-WAY.
  - GOLD HILL ROAD (SC-460) POSTED SPEED LIMIT = 35 MPH.
  - GOLD HILL ROAD (S-1726) POSTED SPEED LIMIT = 35 MPH
  - SPRINGFIELD PARKWAY (SC-460) POSTED SPEED LIMIT = 45 MPH.
  - ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC IN ACCORDANCE WITH SCDOT STANDARD SPECIFICATIONS 627.
  - CONTRACTOR SHALL INSTALL PERMANENT YELLOW AND WHITE RAISED PAVEMENT MARKERS WITHIN PROJECT LIMITS (REFER TO SCDOT STD. DWG. NO. 630-105-00 & 630-205-00).
  - APPLY ARROWS AND 'ONLY'S' IN ACCORDANCE TO SCDOT STD. DWG. NO. 625-410-00. STATIONS ARE SHOWN TO THE CENTER OF SYMBOL.
  - CONTRACTOR SHALL INSTALL YELLOW STRIPE ON RAISED CONCRETE ISLANDS IN ACCORDANCE WITH SCDOT. STD. DWG. NO. 630-215-00.

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**ESP**

STATE OF SOUTH CAROLINA  
ESP ASSOCIATES, INC.  
No. 5839  
CERTIFICATE OF AUTHORIZATION

STATE OF SOUTH CAROLINA  
No. 030911  
R. W. AN C. TURLEY  
REGISTERED PROFESSIONAL ENGINEER



**STREET CENTERLINE LINE TABLE**

LINE	LENGTH	BEARING
L1	1015.91	S87° 16' 03"E
L2	892.75	S37° 23' 12"E
L3	661.98	N20° 55' 08"E
L4	14.08	N53° 40' 03"E
L5	81.50	N14° 13' 38"E

**STREET CENTERLINE CURVE TABLE**

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
C1	1247.03	1432.39	666.13	1208.02	N62° 19' 40"W	49° 52' 52"
C2	229.81	402.08	118.14	226.70	S37° 17' 31"W	32° 44' 52"
C3	564.95	788.14	295.22	552.93	N34° 45' 55"E	41° 04' 13"

**LEGEND**

- PROP. CONCRETE SIDEWALK
- PROP. CURB & GUTTER
- PROP. RIGHT-OF-WAY
- PROP. EDGE OF PAVEMENT
- PROP. PAVEMENT MARKING
- EXIST. EDGE OF PAVEMENT
- EXIST. BACK OF CURB
- EXIST. PAVEMENT MARKING
- EXIST. PAVEMENT (VAR. MILLING & OVERLAY)
- FULL DEPTH PAVEMENT
- ASPHALT MILLING TRANSITION

**BENCHMARKS:**

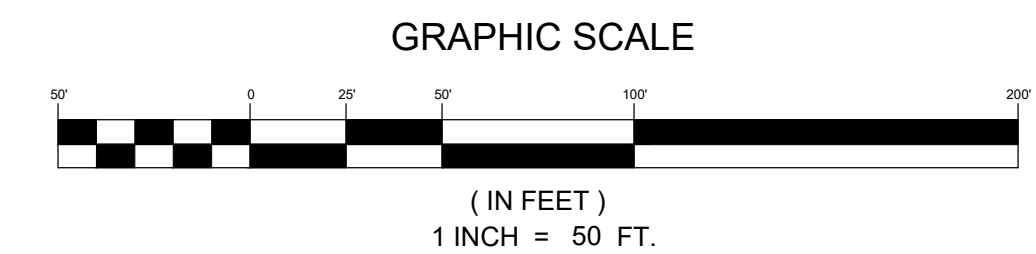
**BENCHMARK:**  
#6 REBAR  
SC GRID COORDINATES  
NAD 83/2011  
N:1,174,450.88"  
E:2,013,509.45"  
EL:534.21 (NAVD 88)

**BENCHMARK:**  
RW DISC  
SC GRID COORDINATES  
NAD 83/2011  
N:1,174,389.22"  
E:2,014,552.92"  
EL:598.90 (NAVD 88)

**BENCHMARK:**  
60 D NAIL  
SC GRID COORDINATES  
NAD 83/2011  
N:1,173,203.90"  
E:2,016,048.22"  
EL:566.09 (NAVD 88)

PLANNING & DEVELOPMENT SERVICES  
YORK COUNTY, SC

**APPROVED**  
Project No: 20223708  
Date: 4/4/2024



**811**  
Know what's below.  
Call before you dig.

NO.	DATE	REVISION	BY	RC	REVISION	REVISOR	REVISION PER SCDOT AND YORK COUNTY COMMENTS
1.	3/20/2024						

**STAKE OUT PLAN - SHEET 2 OF 3**  
**GOLD HILL ROAD & SPRINGFIELD PKWY.**  
**INTERSECTION IMPROVEMENTS**  
FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

**PROJECT INFORMATION**

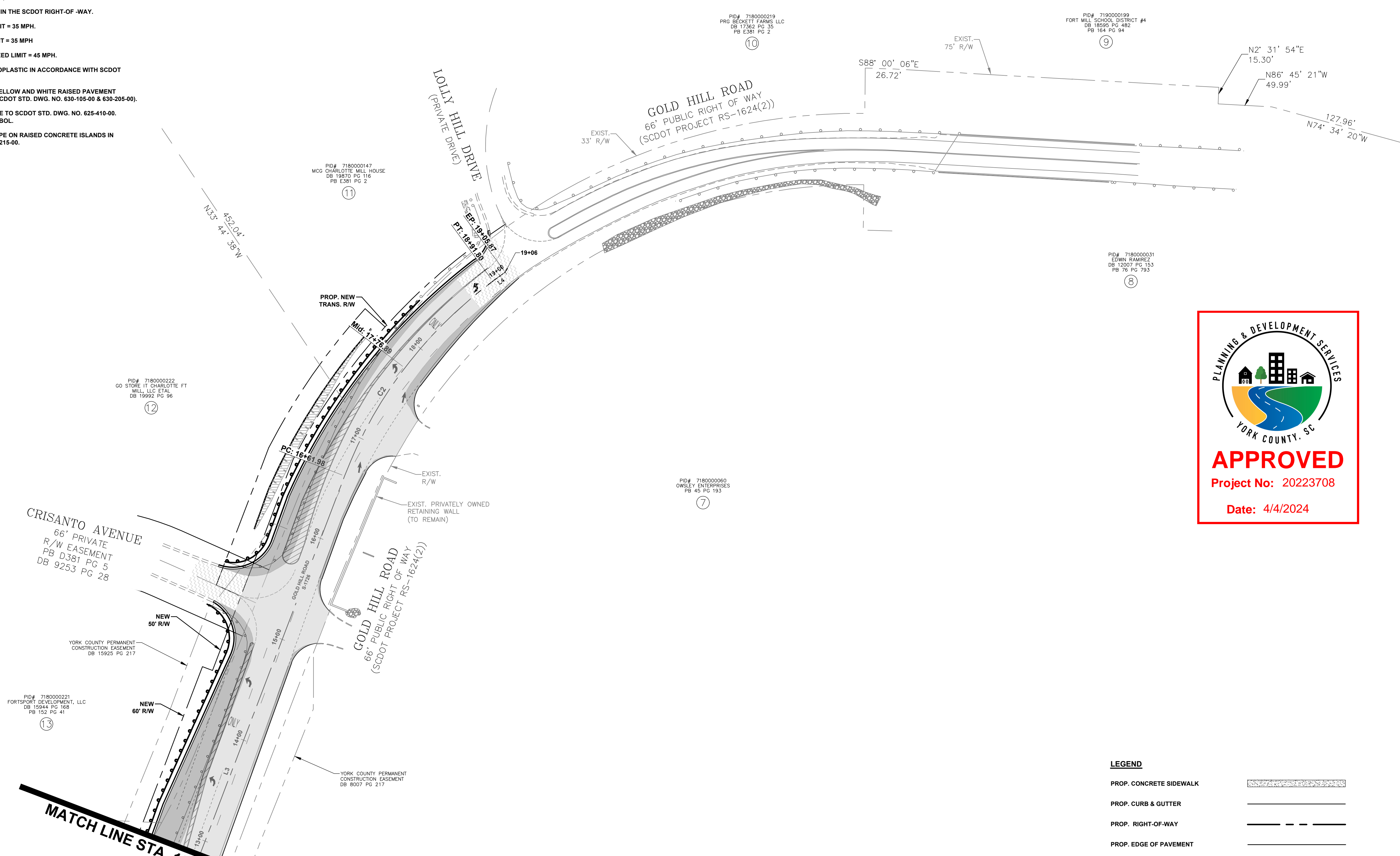
PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C1.1</b>

V:\113.400 - Road Enhancements - White road improvements - KT13-Sheet\KT13-03-STAKE OUT PLAN.dwg, STAKE OUT PLAN - SHEET 2 OF 3, rturner



**SCDOT NOTES**

- FULL DEPTH PAVEMENT SHALL BE INSTALLED WITHIN THE SCDOT RIGHT-OF-WAY. (SEE SHEET C2.0 FOR R/W OBTAINED AND SHEETS C2.1 - C2.4 FOR EXIST. & PROP. R/W LIMITS)
- FULL DEPTH PAVEMENT SECTION:  
200 LBS/SY - HOT MIX ASPHALT SURFACE COURSE, TYPE B  
200 LBS/SY - HOT MIX ASPHALT SURFACE COURSE, TYPE B  
825 LBS/SY - HOT MIX ASPHALT BASE COURSE, TYPE B
- NO LANDSCAPING SHALL BE INSTALLED WITHIN THE SCDOT RIGHT-OF-WAY.
- GOLD HILL ROAD (SC-460) POSTED SPEED LIMIT = 35 MPH.
- GOLD HILL ROAD (S-1726) POSTED SPEED LIMIT = 35 MPH
- SPRINGFIELD PARKWAY (SC-460) POSTED SPEED LIMIT = 45 MPH.
- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC IN ACCORDANCE WITH SCDOT STANDARD SPECIFICATIONS 627.
- CONTRACTOR SHALL INSTALL PERMANENT YELLOW AND WHITE RAISED PAVEMENT MARKERS WITHIN PROJECT LIMITS (REFER TO SCDOT STD. DWG. NO. 630-105-00 & 630-205-00).
- APPLY ARROWS AND 'ONLY'S' IN ACCORDANCE TO SCDOT STD. DWG. NO. 625-410-00. STATIONS ARE SHOWN TO THE CENTER OF SYMBOL.
- CONTRACTOR SHALL INSTALL YELLOW STRIPE ON RAISED CONCRETE ISLANDS IN ACCORDANCE WITH SCDOT. STD. DWG. NO. 630-215-00.



**MATCH LINE STA. 13+00 - SEE SHEET C1.0**

LINE	LENGTH	BEARING
L1	1015.91	S87° 16' 03"E
L2	892.75	S37° 23' 12"E
L3	661.98	N20° 55' 08"E
L4	14.08	N53° 40' 03"E
L5	81.50	N14° 13' 38"E

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
C1	1247.03	1432.39	666.13	1208.02	N62° 19' 40"W	49° 52' 52"
C2	229.81	402.08	118.14	226.70	S37° 17' 31"W	32° 44' 52"
C3	564.95	788.14	295.22	552.93	N34° 45' 55"E	41° 04' 13"

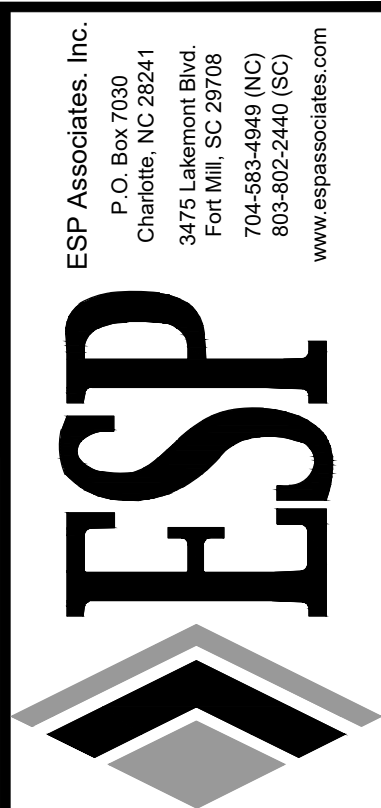
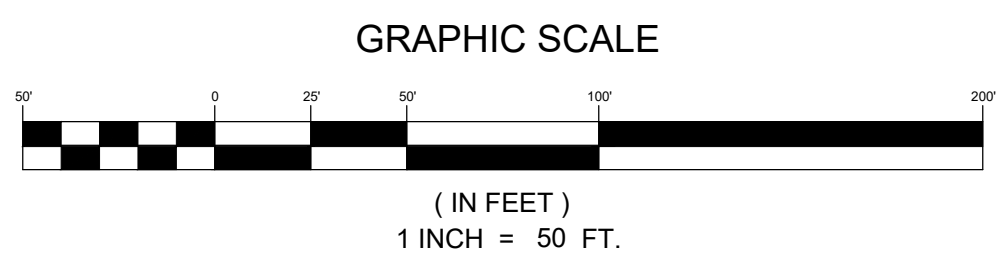
**BENCHMARKS:**  
 #5 REBAR  
 SC GRID COORDINATES  
 NAD 83/2011  
 N:1,174,450.88'  
 E:2,013,609.45'  
 EL:634.21 (NAVD 88)

BENCHMARK:  
 RW DISC  
 SC GRID COORDINATES  
 NAD 83/2011  
 N:1,174,359.22'  
 E:2,014,552.32'  
 EL:598.90' (NAVD 88)

BENCHMARK:  
 60 D NAIL  
 SC GRID COORDINATES  
 NAD 83/2011  
 N:1,173,203.30'  
 E:2,016,048.22'  
 EL:566.09' (NAVD 88)

**LEGEND**

PROP. CONCRETE SIDEWALK	
PROP. CURB & GUTTER	
PROP. RIGHT-OF-WAY	
PROP. EDGE OF PAVEMENT	
PROP. PAVEMENT MARKING	
EXIST. EDGE OF PAVEMENT	
EXIST. BACK OF CURB	
EXIST. PAVEMENT MARKING	
EXIST. PAVEMENT (VAR. MILLING & OVERLAY)	
FULL DEPTH PAVEMENT	
ASPHALT MILLING TRANSITION	



NO.	DATE	REVISION	BY	RC	REVISION PER SCDOT AND YORK COUNTY COMMENTS
1.	3/20/2024				

**STAKE OUT PLAN - SHEET 3 OF 3**  
**GOLD HILL ROAD & SPRINGFIELD PKWY.**  
**INTERSECTION IMPROVEMENTS**  
 FORT MILL SCHOOL DISTRICT  
 YORK COUNTY, SC

**PROJECT INFORMATION**

PROJECT MANAGER:	RC
DESIGNED BY:	DJH/CB
DRAWN BY:	DJH/CB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C1.2</b>



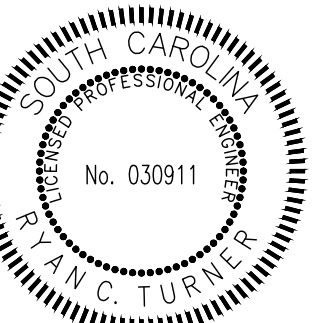
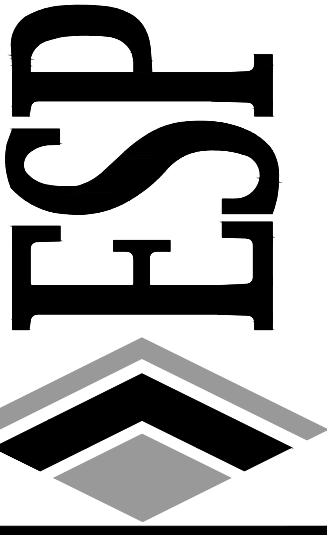
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# SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY DATA SHEET

## YORK COUNTY RIGHT-OF-WAY DATA SHEET

TRACT NO.	PROPERTY OWNER	TAX MAP REFERENCE	TOTAL TRACT ACRES	OBTAIN			REMAINDER (ACRES)	DATE ACQUIRED	TYPE OF INSTRUMENT	PERMANENT EASEMENT (ACRES)	TEMPORARY CONSTRUCTION EASEMENT (TCE) (ACRES)	OUTFALL DITCH PERMISSION (YES)	DRAINAGE STRUCTURE PERMISSION (YES)	EROSION CONTROL PERMISSION (YES)	ENTRANCE CONSTRUCTION PERMISSION (YES)	RETAINING WALL PERMISSION (YES)	REMARKS
				OUTFALL DITCH ACRES	RIGHT-OF-WAY (ACRES)	TOTAL											
1	DORCAS F. CHAPMAN	7160000004	1.377			0.000	1.377										DB 15133, PG 137, & PB 80, PG 257
2	REBECCA FAILE CARDILLOW	7160000043	1.534			0.000	1.534										DB 971, PG 321, & PB 86, PG 863
3	THE PANTRY, INC.	7160000071	1.298			0.000	1.298										DB 10640, PG 286, & PB D333, PG 6
4	CATO LAND DEVELOPMENT, LLC	7160000002	4.536			0.000	4.536										DB 13098, PG 191
5	CATO LAND DEVELOPMENT, LLC	7160000079	23.1			0.000	23.100										DB 13098, PG 191, & PB 171, PG 100
6	CATO LAND DEVELOPMENT, LLC	7160000080	8.845		0.108	0.108	8.737										DB 13098, PG 191
7	OWSLEY ENTERPRISES	7180000060	14.53		0.192	0.192	14.338										PB 45, PG 193
8	EDWIN RAMIREZ	7180000031	2.164			0.000	2.164										DB 12007, PG 153, & PB 76, PG 793
9	FORT MILL SCHOOL DISTRICT	7190000199	88.144			0.000	88.144										DB 18595, PG 482, & PB 164, PG 94
10	PRG BECKETT FARMS, LLC	7180000219	43.751			0.000	43.751										DB 17362, PG 35, & PB E381, PG 2
11	MCG CHARLOTTE MILL HOUSE	7180000147	21.272		0.042	0.042	21.230			0.040							DB 19870, PG 116, & PB E381, PG 2
12	GO STORE IT CHARLOTTE FT MILL	7180000222	5.828		0.077	0.077	5.751			0.126							DB 19992, PG 96
13	FORTSPORT DEVELOPMENT, LLC	7180000221	2.83		0.099	0.099	2.731										DB 15944, PG 168, & PB 152, PG 41
14	FORT MILL HOSPITALITY, LLC	7180000223	1.738		0.047	0.047	1.691			0.028							DB 17461, PG 144, & PB 160, PG 277
15	FORT MILL HOSPITALITY, LLC	7180000220	1.446		0.095	0.095	1.351			0.059							DB 15925, PG 209, & PB 160, PG 277
16	THE CHARLOTTE MECKLENBURG HOSPITAL AUTHORITY	7180000146	13.177			0.000	13.177										DB 9253, PG 28, & PB D382, PG 3

ESP Associates, Inc.  
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Fort Mill, SC 29708  
704-583-9449 (NC)  
803-802-2440 (SC)  
www.espasociates.com



NO.	DATE	REVISION

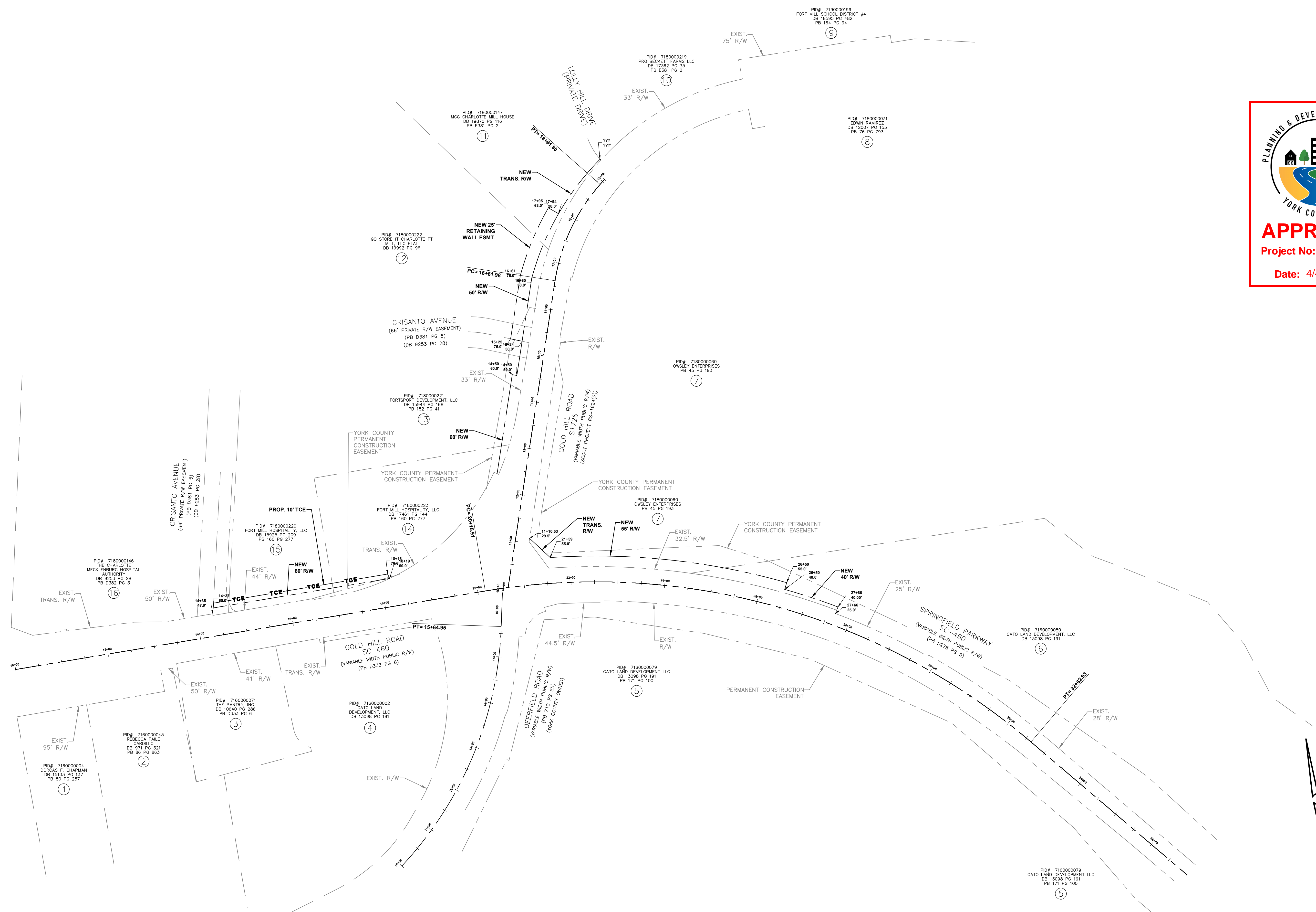
**RIGHT-OF-WAY DATA**  
**GOLD HILL ROAD & SPRINGFIELD PKWY.**  
**INTERSECTION IMPROVEMENTS**  
FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

PROJECT INFORMATION	
PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C2.0</b>

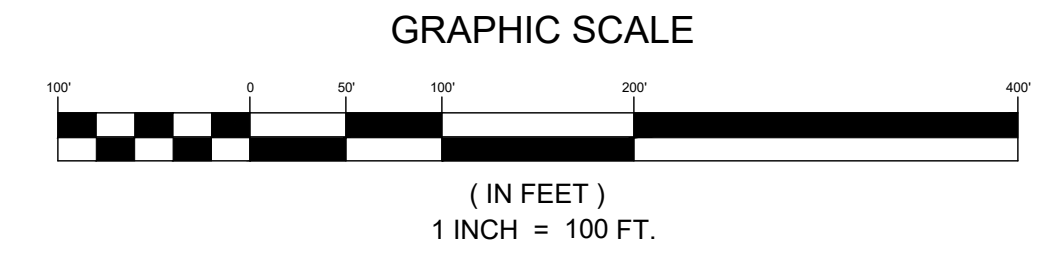


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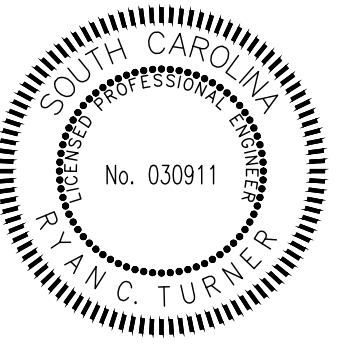
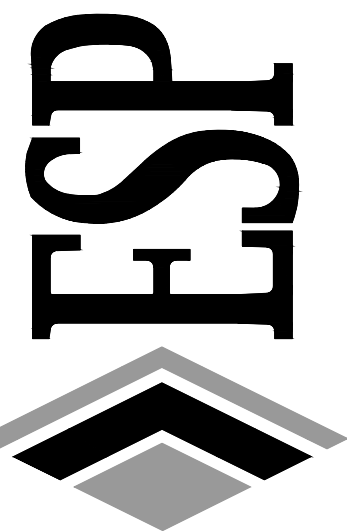
V:\KT13 400 - FINSD Edwards Campus\_Civil\Site Road Improvements\KT13\Sheet\KT13-02-PROP DATA.dwg, OVERALL PROPERTY MAP, NUMBER



- SCDOT NOTES**
- FULL DEPTH PAVEMENT SHALL BE INSTALLED WITHIN THE SCDOT RIGHT-OF-WAY.  
(SEE SHEET C2.0 FOR R/W OBTAINED AND SHEETS C2.1 - C2.4 FOR EXIST. & PROP. R/W LIMITS)
  - FULL DEPTH PAVEMENT SECTION:  
200 LBS/SY - HOT MIX ASPHALT SURFACE COURSE, TYPE B  
200 LBS/SY - HOT MIX ASPHALT SURFACE COURSE, TYPE B  
825 LBS/SY - HOT MIX ASPHALT BASE COURSE, TYPE B
  - NO LANDSCAPING SHALL BE INSTALLED WITHIN THE SCDOT RIGHT-OF-WAY.
  - GOLD HILL ROAD (SC-460) POSTED SPEED LIMIT = 35 MPH.
  - GOLD HILL ROAD (S-1726) POSTED SPEED LIMIT = 35 MPH
  - SPRINGFIELD PARKWAY (SC-460) POSTED SPEED LIMIT = 45 MPH.



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www.espassociates.com



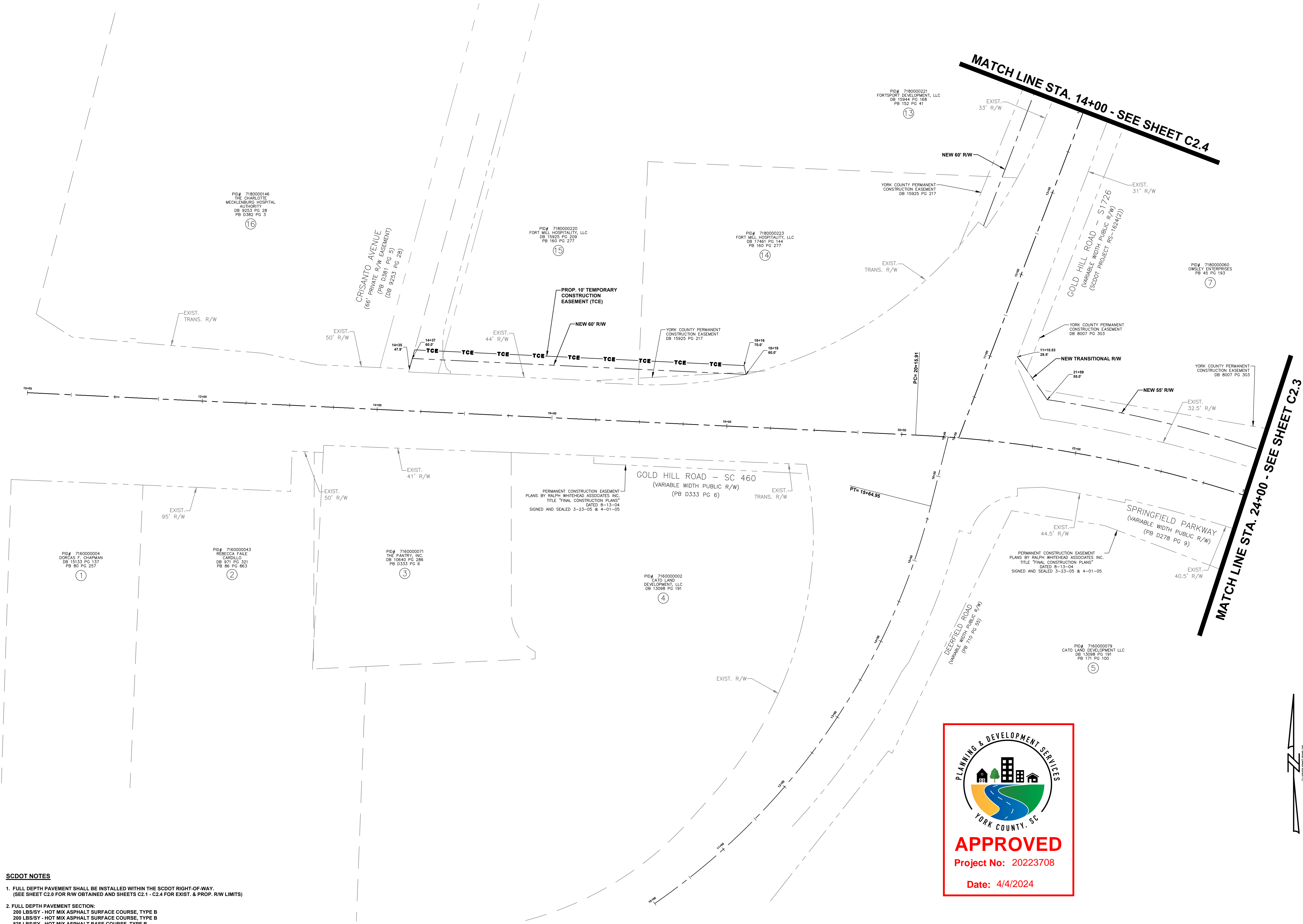
NO.	DATE	REVISION	BY

**OVERALL PROPERTY MAP**  
**GOLD HILL ROAD & SPRINGFIELD PKWY.**  
**INTERSECTION IMPROVEMENTS**  
FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

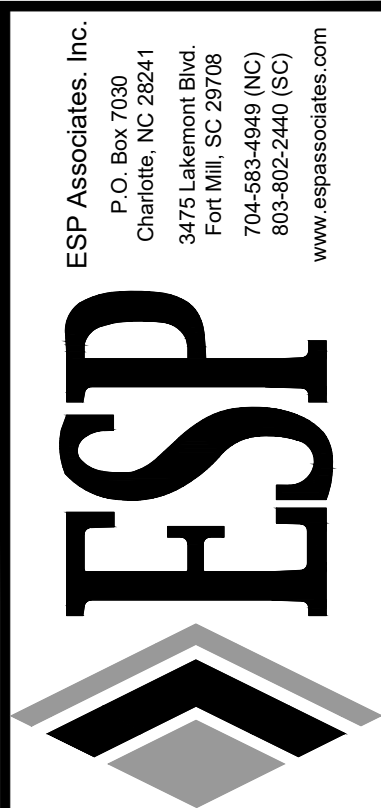
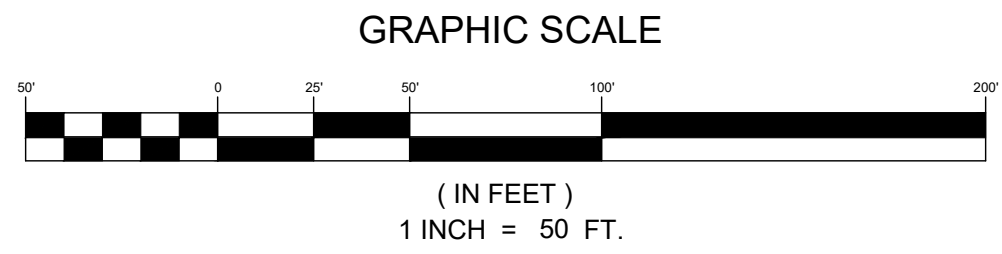
PROJECT INFORMATION	
PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C2.1</b>



V:\KT13\_400 - FMSD Edwards Campus\_Collins Road Improvements\KT13\_Sheets\KT13\_03-PROP DATA.dwg, PROPERTY MAP - SHEET 1 OF 3, .rnum



- SCDOT NOTES**
- FULL DEPTH PAVEMENT SHALL BE INSTALLED WITHIN THE SCDOT RIGHT-OF-WAY. (SEE SHEET C2.0 FOR R/W OBTAINED AND SHEETS C2.1 - C2.4 FOR EXIST. & PROP. R/W LIMITS)
  - FULL DEPTH PAVEMENT SECTION:  
200 LBS/SY - HOT MIX ASPHALT SURFACE COURSE, TYPE B  
200 LBS/SY - HOT MIX ASPHALT SURFACE COURSE, TYPE B  
825 LBS/SY - HOT MIX ASPHALT BASE COURSE, TYPE B
  - NO LANDSCAPING SHALL BE INSTALLED WITHIN THE SCDOT RIGHT-OF-WAY.
  - GOLD HILL ROAD (SC-460) POSTED SPEED LIMIT = 35 MPH.
  - GOLD HILL ROAD (S-1726) POSTED SPEED LIMIT = 35 MPH
  - SPRINGFIELD PARKWAY (SC-460) POSTED SPEED LIMIT = 45 MPH.



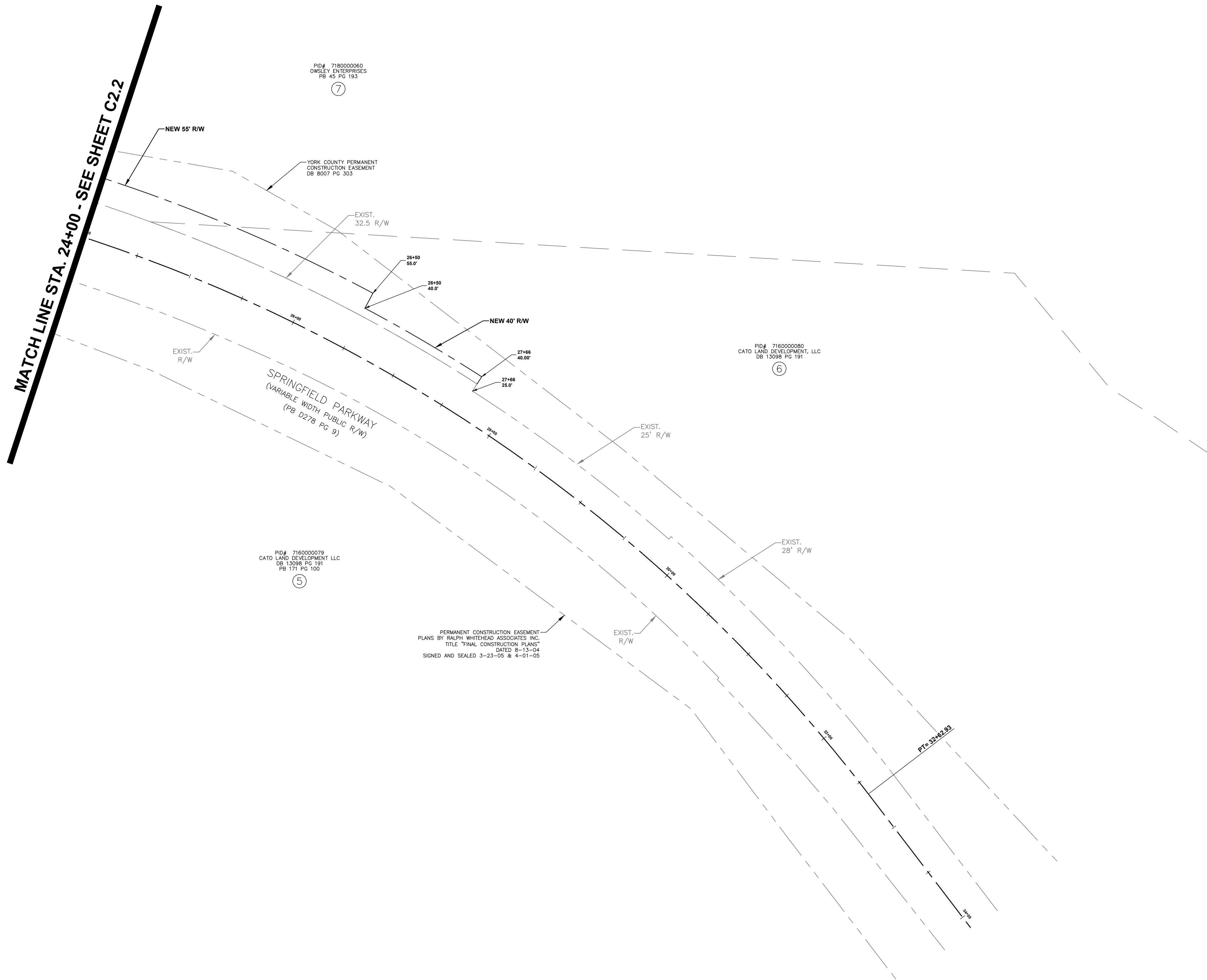
NO.	DATE	REVISION

**PROPERTY MAP - SHEET 1 OF 3**  
**GOLD HILL ROAD & SPRINGFIELD PKWY.**  
**INTERSECTION IMPROVEMENTS**  
 FORT MILL SCHOOL DISTRICT  
 YORK COUNTY, SC

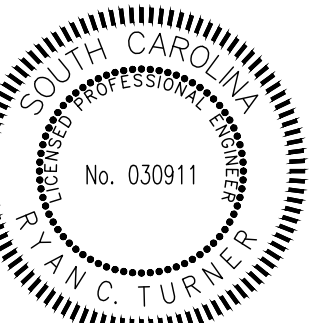
PROJECT INFORMATION	
PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C2.2</b>

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 www.espsa.com

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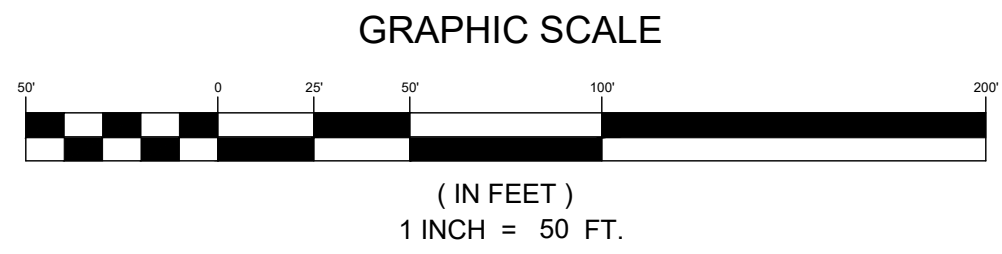


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NO.	DATE	REVISION	BY

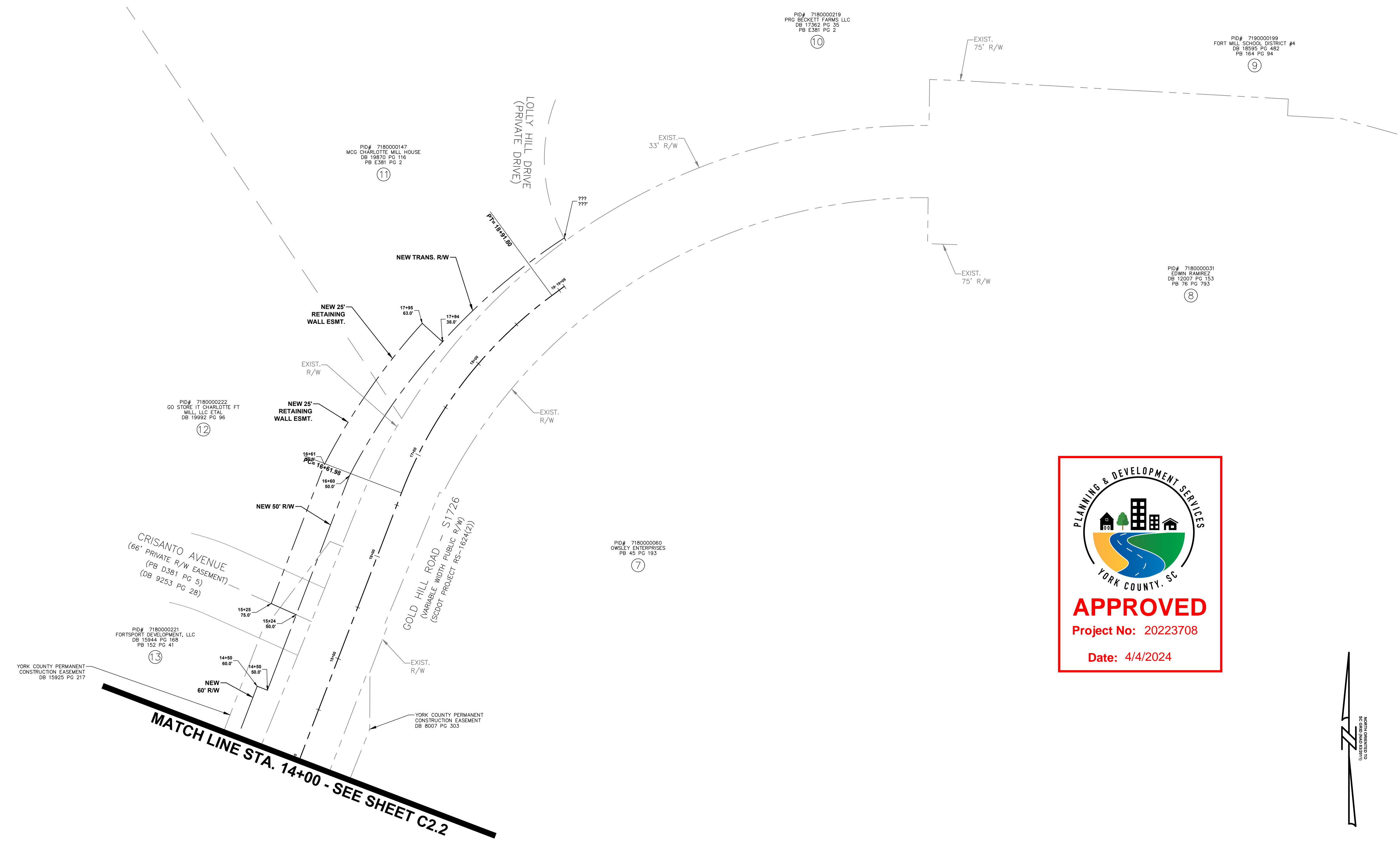
- SCDOT NOTES**
1. FULL DEPTH PAVEMENT SHALL BE INSTALLED WITHIN THE SCDOT RIGHT-OF-WAY. (SEE SHEET C2.0 FOR R/W OBTAINED AND SHEETS C2.1 - C2.4 FOR EXIST. & PROP. R/W LIMITS)
  2. FULL DEPTH PAVEMENT SECTION:  
200 LBS/SY - HOT MIX ASPHALT SURFACE COURSE, TYPE B  
200 LBS/SY - HOT MIX ASPHALT SURFACE COURSE, TYPE B  
825 LBS/SY - HOT MIX ASPHALT BASE COURSE, TYPE B
  3. NO LANDSCAPING SHALL BE INSTALLED WITHIN THE SCDOT RIGHT-OF-WAY.
  4. GOLD HILL ROAD (SC-460) POSTED SPEED LIMIT = 35 MPH.
  5. GOLD HILL ROAD (S-1726) POSTED SPEED LIMIT = 35 MPH
  6. SPRINGFIELD PARKWAY (SC-460) POSTED SPEED LIMIT = 45 MPH.



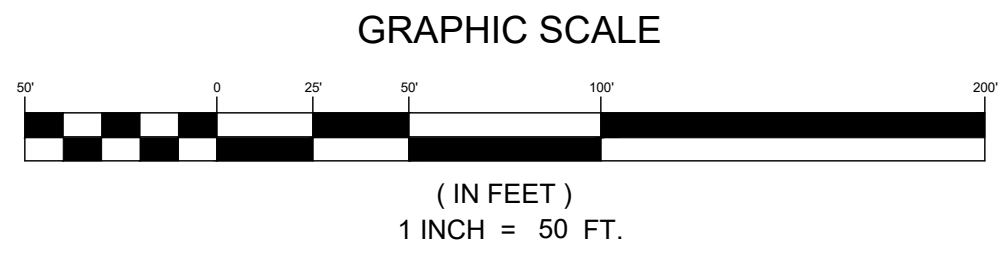
**PROPERTY MAP - SHEET 2 OF 3**  
**GOLD HILL ROAD & SPRINGFIELD PKWY.**  
**INTERSECTION IMPROVEMENTS**  
FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

PROJECT INFORMATION	
PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C2.3</b>

V:\KT13\_400 - FINSD Edwards Campus\_Civil\Site Road Improvements\KT13-Sheet\KT13-03-PROP DATA\map PROPERTY MAP - SHEET 3 OF 3.dwg



- SCDOT NOTES**
- FULL DEPTH PAVEMENT SHALL BE INSTALLED WITHIN THE SCDOT RIGHT-OF-WAY. (SEE SHEET C2.0 FOR R/W OBTAINED AND SHEETS C2.1 - C2.4 FOR EXIST. & PROP. R/W LIMITS)
  - FULL DEPTH PAVEMENT SECTION:  
 200 LBS/SY - HOT MIX ASPHALT SURFACE COURSE, TYPE B  
 200 LBS/SY - HOT MIX ASPHALT SURFACE COURSE, TYPE B  
 825 LBS/SY - HOT MIX ASPHALT BASE COURSE, TYPE B
  - NO LANDSCAPING SHALL BE INSTALLED WITHIN THE SCDOT RIGHT-OF-WAY.
  - GOLD HILL ROAD (SC-460) POSTED SPEED LIMIT = 35 MPH.
  - GOLD HILL ROAD (S-1726) POSTED SPEED LIMIT = 35 MPH
  - SPRINGFIELD PARKWAY (SC-460) POSTED SPEED LIMIT = 45 MPH.



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NO.	DATE	REVISION	BY

**PROPERTY MAP - SHEET 3 OF 3**

**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS**

FORT MILL SCHOOL DISTRICT YORK COUNTY, SC

PROJECT INFORMATION	
PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	C2.4



**APPROVED**

Project No: 20223708

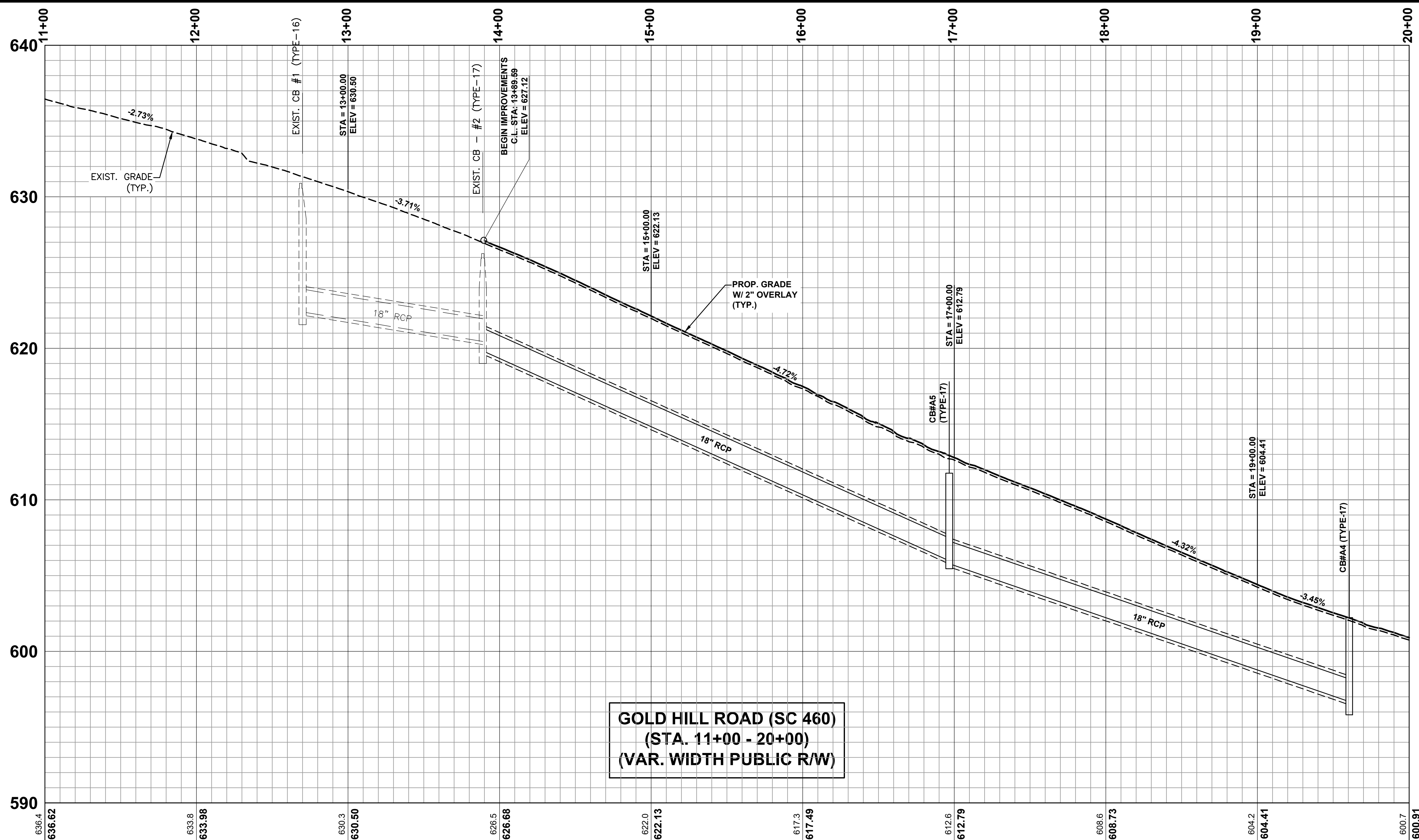
Date: 4/4/2024

LINE	LENGTH	BEARING
L1	1015.91	S87° 16' 03"E
L2	892.75	S37° 23' 12"E
L3	661.98	N20° 55' 08"E
L4	14.08	N53° 40' 03"E
L5	81.50	N14° 13' 38"E

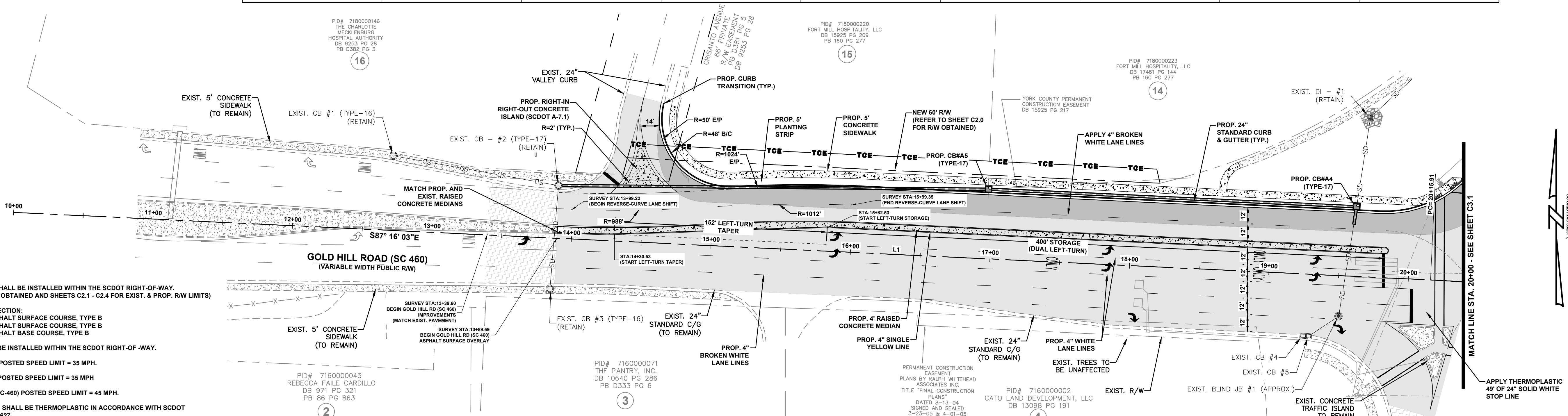
CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
C1	1247.03	1432.39	666.13	1208.02	N62° 19' 40"W	49° 52' 52"
C2	229.81	402.08	118.14	226.70	S37° 17' 31"W	32° 44' 52"
C3	664.95	788.14	295.22	552.93	N34° 45' 55"E	41° 04' 13"

**LEGEND**

- PROP. CONCRETE SIDEWALK
- PROP. CURB & GUTTER
- PROP. RIGHT-OF-WAY
- PROP. EDGE OF PAVEMENT
- PROP. PAVEMENT MARKING
- EXIST. EDGE OF PAVEMENT
- EXIST. BACK OF CURB
- EXIST. PAVEMENT MARKING
- EXIST. PAVEMENT (VAR. MILLING & OVERLAY)
- FULL DEPTH PAVEMENT
- ASPHALT MILLING TRANSITION

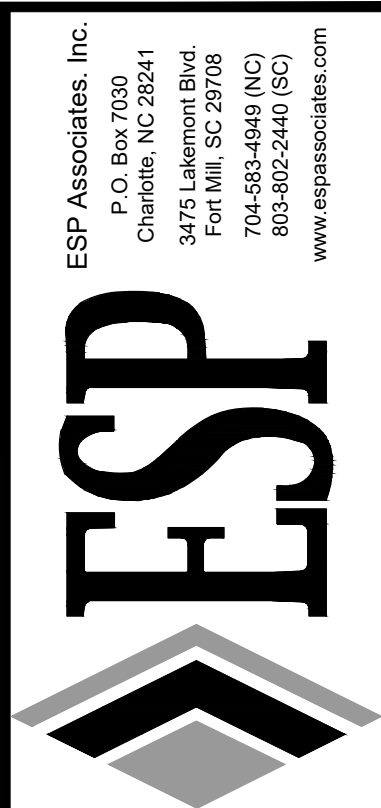
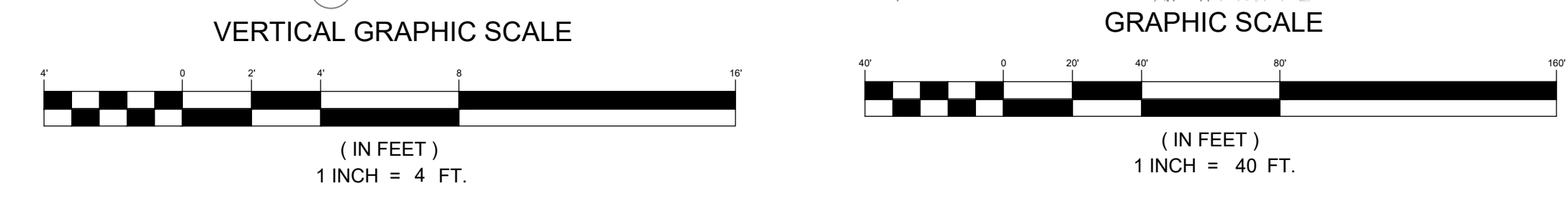


**GOLD HILL ROAD (SC 460)  
(STA. 11+00 - 20+00)  
(VAR. WIDTH PUBLIC R/W)**



- SCDOT NOTES**
- FULL DEPTH PAVEMENT SHALL BE INSTALLED WITHIN THE SCDOT RIGHT-OF-WAY. (SEE SHEET C2.0 FOR R/W OBTAINED AND SHEETS C2.1 - C2.4 FOR EXIST. & PROP. R/W LIMITS)
  - FULL DEPTH PAVEMENT SECTION:  
200 LBS/SY - HOT MIX ASPHALT SURFACE COURSE, TYPE B  
200 LBS/SY - HOT MIX ASPHALT SURFACE COURSE, TYPE B  
825 LBS/SY - HOT MIX ASPHALT BASE COURSE, TYPE B
  - NO LANDSCAPING SHALL BE INSTALLED WITHIN THE SCDOT RIGHT-OF-WAY.
  - GOLD HILL ROAD (SC-460) POSTED SPEED LIMIT = 35 MPH.
  - GOLD HILL ROAD (S-1726) POSTED SPEED LIMIT = 35 MPH
  - SPRINGFIELD PARKWAY (SC-460) POSTED SPEED LIMIT = 45 MPH.
  - ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC IN ACCORDANCE WITH SCDOT STANDARD SPECIFICATIONS 627.
  - CONTRACTOR SHALL INSTALL PERMANENT YELLOW AND WHITE RAISED PAVEMENT MARKERS WITHIN PROJECT LIMITS (REFER TO SCDOT STD. DWG. NO. 630-105-00 & 630-205-00).
  - APPLY ARROWS AND 'ONLY'S' IN ACCORDANCE TO SCDOT STD. DWG. NO. 625-410-00. STATIONS ARE SHOWN TO THE CENTER OF SYMBOL.
  - CONTRACTOR SHALL INSTALL YELLOW STRIPE ON RAISED CONCRETE ISLANDS IN ACCORDANCE WITH SCDOT. STD. DWG. NO. 630-215-00.

\*REFER TO TYPICAL SECTIONS FOR EXISTING & PROPOSED ROAD IMPROVEMENTS



NO.	DATE	REVISION	BY	RC	COMMENTS
1.	3/20/2024	REVISED PER SCDOT AND YORK COUNTY COMMENTS			

**GOLD HILL ROAD - STA. 11+00 TO 20+00**  
**GOLD HILL ROAD & SPRINGFIELD PKWY.**  
**INTERSECTION IMPROVEMENTS**  
 FORT MILL SCHOOL DISTRICT  
 YORK COUNTY, SC

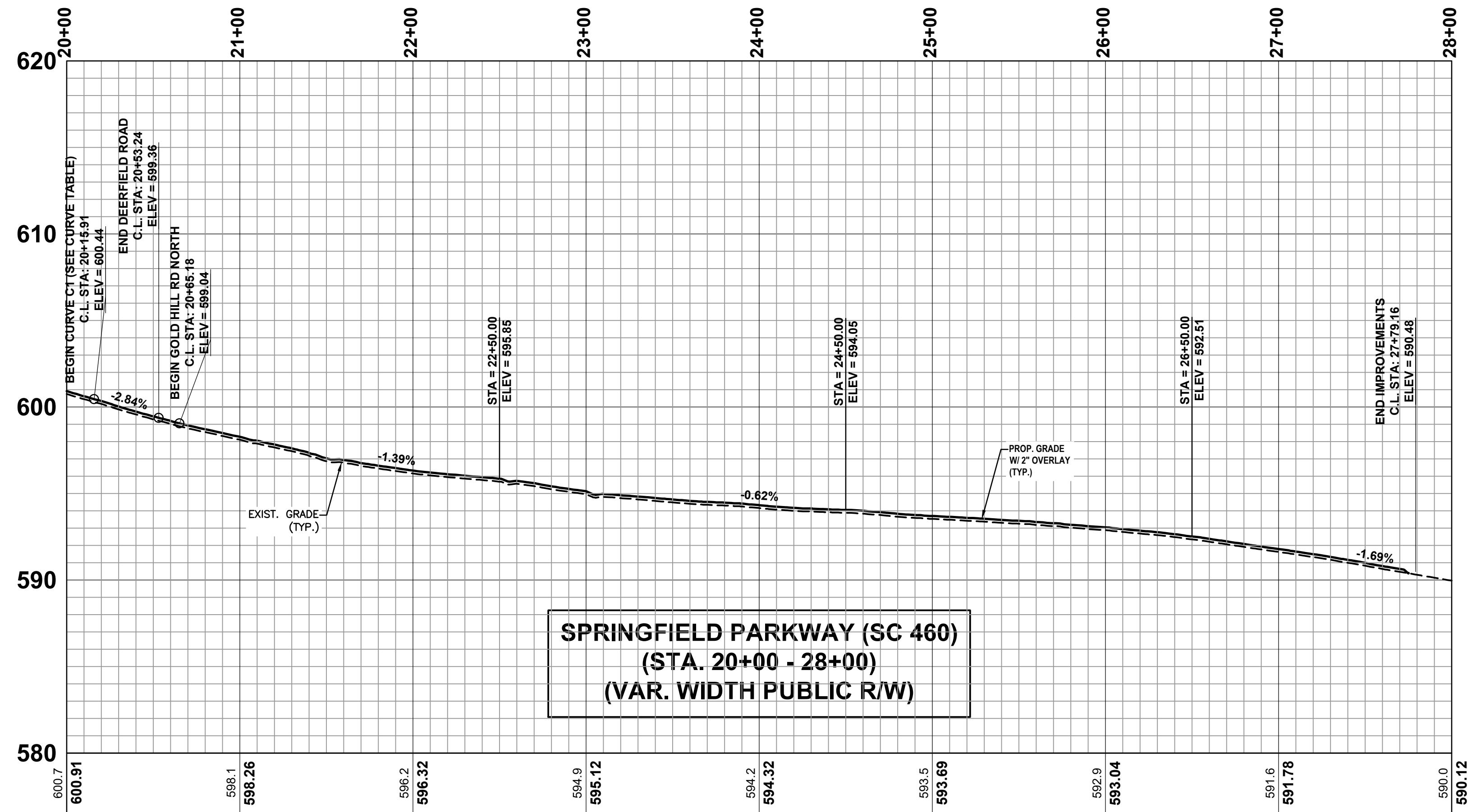
**PROJECT INFORMATION**

PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C3.0</b>



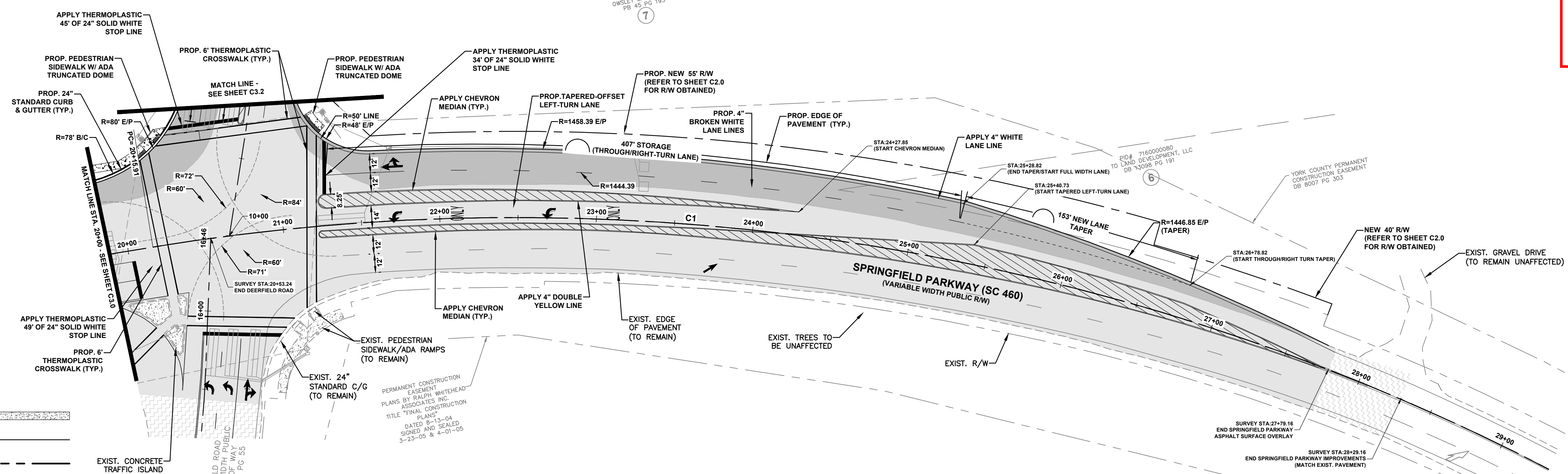
LINE	LENGTH	BEARING
L1	1015.91	S87° 16' 03"E
L2	892.75	S37° 23' 12"E
L3	661.98	N20° 55' 08"E
L4	14.08	N53° 40' 03"E
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C2	229.81	402.08	118.14	226.70	S37° 17' 31"W	32° 44' 52"
C3	664.95	788.14	295.22	552.93	N34° 45' 55"E	41° 04' 13"



**SCDOT NOTES**

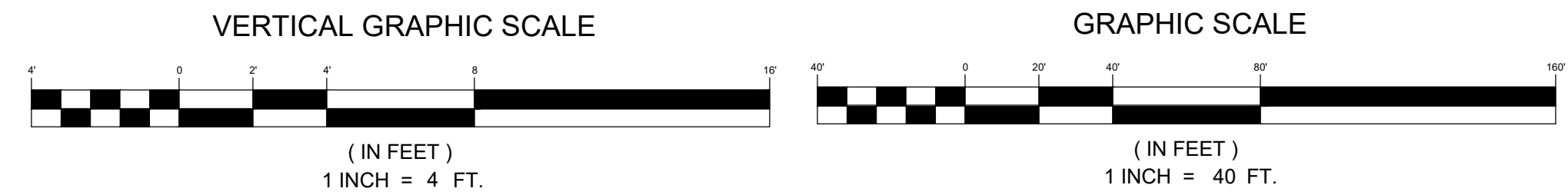
- FULL DEPTH PAVEMENT SHALL BE INSTALLED WITHIN THE SCDOT RIGHT-OF-WAY. (SEE SHEET C2.0 FOR R/W OBTAINED AND SHEETS C2.1 - C2.4 FOR EXIST. & PROP. R/W LIMITS)
- FULL DEPTH PAVEMENT SECTION:  
200 LBS/SY - HOT MIX ASPHALT SURFACE COURSE, TYPE B  
200 LBS/SY - HOT MIX ASPHALT SURFACE COURSE, TYPE B  
825 LBS/SY - HOT MIX ASPHALT BASE COURSE, TYPE B
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- GOLD HILL ROAD (SC-460) POSTED SPEED LIMIT = 35 MPH.
- GOLD HILL ROAD (S-1726) POSTED SPEED LIMIT = 35 MPH.
- SPRINGFIELD PARKWAY (SC-460) POSTED SPEED LIMIT = 45 MPH.
- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC IN ACCORDANCE WITH SCDOT STANDARD SPECIFICATIONS 627.
- CONTRACTOR SHALL INSTALL PERMANENT YELLOW AND WHITE RAISED PAVEMENT MARKERS WITHIN PROJECT LIMITS (REFER TO SCDOT STD. DWG. NO. 630-105-00 & 630-205-00).
- APPLY ARROWS AND 'ONLYS' IN ACCORDANCE TO SCDOT STD. DWG. NO. 625-410-00. STATIONS ARE SHOWN TO THE CENTER OF SYMBOL.
- CONTRACTOR SHALL INSTALL YELLOW STRIPE ON RAISED CONCRETE ISLANDS IN ACCORDANCE WITH SCDOT. STD. DWG. NO. 630-215-00.



**LEGEND**

PROP. CONCRETE SIDEWALK	
PROP. CURB & GUTTER	
PROP. RIGHT-OF-WAY	
PROP. EDGE OF PAVEMENT	
PROP. PAVEMENT MARKING	
EXIST. EDGE OF PAVEMENT	
EXIST. BACK OF CURB	
EXIST. PAVEMENT MARKING	
EXIST. PAVEMENT (VAR. MILLING & OVERLAY)	
FULL DEPTH PAVEMENT	
ASPHALT MILLING TRANSITION	

\*REFER TO TYPICAL SECTIONS FOR EXISTING & PROPOSED ROAD IMPROVEMENTS



ESP Associates, Inc.  
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704-583-4949 (NC)  
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www.espasociates.com

**ESP**

YORK COUNTY, SC  
ESP ASSOCIATES, INC.  
No. 5839

YORK COUNTY, SC  
No. 030911

NO.	DATE	REVISION	BY	RC
1.	3/20/2024	REVISED PER SCDOT AND YORK COUNTY COMMENTS		

**SPRINGFIELD PARKWAY - STA. 20+00 TO 28+00**

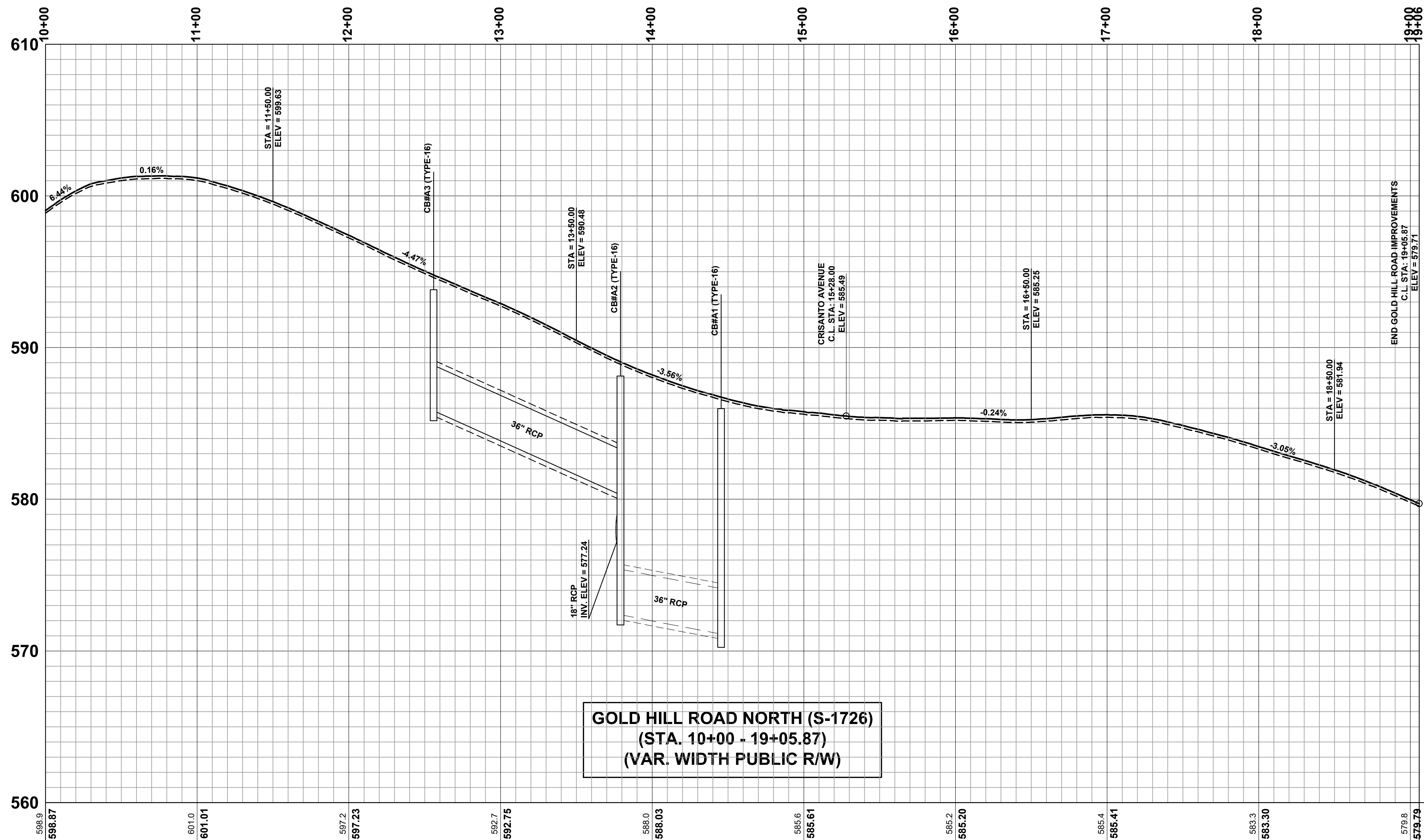
**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS**

FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

PROJECT INFORMATION  
PROJECT MANAGER: RCT  
DESIGNED BY: DJH/CEB  
DRAWN BY: DJH/CEB  
PROJECT NUMBER: KT13.400  
ORIGINAL DATE: 1/19/2024  
SHEET: **C3.1**

V:\113.400 - Road Enhancements - Urban Road Improvements - 113-05-RDPS.dwg, SPRINGFIELD PARKWAY - STA. 20+00 TO 28+00, Number





**GOLD HILL ROAD NORTH (S-1726)  
(STA. 10+00 - 19+05.87)  
(VAR. WIDTH PUBLIC R/W)**

- SCDOT NOTES**
- FULL DEPTH PAVEMENT SHALL BE INSTALLED WITHIN THE SCDOT RIGHT-OF-WAY. (SEE SHEET C2.0 FOR R/W OBTAINED AND SHEETS C2.1 - C2.4 FOR EXIST. & PROP. R/W LIMITS)
  - FULL DEPTH PAVEMENT SECTION:  
200 LBS/SY - HOT MIX ASPHALT SURFACE COURSE, TYPE B  
200 LBS/SY - HOT MIX ASPHALT SURFACE COURSE, TYPE B  
825 LBS/SY - HOT MIX ASPHALT BASE COURSE, TYPE B
  - NO LANDSCAPING SHALL BE INSTALLED WITHIN THE SCDOT RIGHT-OF-WAY.
  - GOLD HILL ROAD (S-1726) POSTED SPEED LIMIT = 35 MPH.
  - GOLD HILL ROAD (S-1726) POSTED SPEED LIMIT = 35 MPH
  - SPRINGFIELD PARKWAY (SC-460) POSTED SPEED LIMIT = 45 MPH.
  - ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC IN ACCORDANCE WITH SCDOT STANDARD SPECIFICATIONS 627.
  - CONTRACTOR SHALL INSTALL PERMANENT YELLOW AND WHITE RAISED PAVEMENT MARKERS WITHIN PROJECT LIMITS (REFER TO SCDOT STD. DWG. NO. 630-105-00 & 630-205-00).
  - APPLY ARROWS AND 'ONLIES' IN ACCORDANCE TO SCDOT STD. DWG. NO. 625-410-00. STATIONS ARE SHOWN TO THE CENTER OF SYMBOL.
  - CONTRACTOR SHALL INSTALL YELLOW STRIPE ON RAISED CONCRETE ISLANDS IN ACCORDANCE WITH SCDOT. STD. DWG. NO. 630-215-00.

**STREET CENTERLINE LINE TABLE**

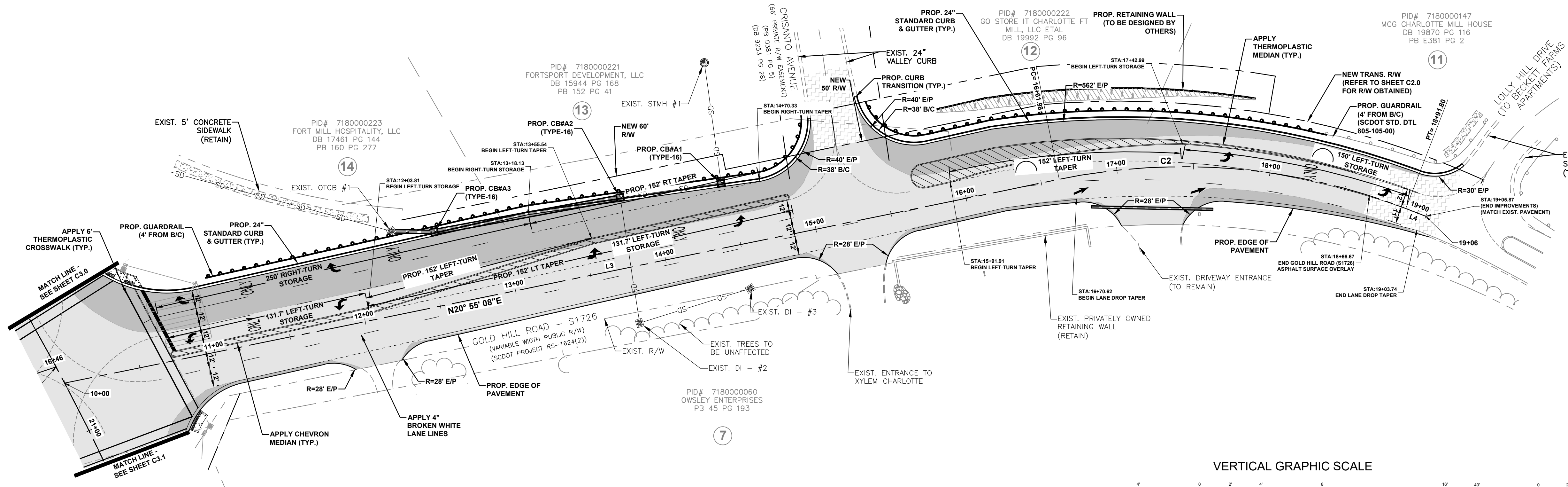
LINE	LENGTH	BEARING
L1	1015.91	S87° 16' 03"E
L2	892.75	S37° 23' 12"E
L3	661.98	N20° 55' 08"E
L4	14.08	N53° 40' 03"E
L5	81.50	N14° 13' 38"E

**STREET CENTERLINE CURVE TABLE**

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
C1	1247.03	1432.39	666.13	1208.02	N62° 19' 40"W	49° 52' 52"
C2	229.81	402.08	118.14	226.70	S37° 17' 31"W	32° 44' 52"
C3	564.95	788.14	295.22	552.93	N34° 45' 55"E	41° 04' 13"

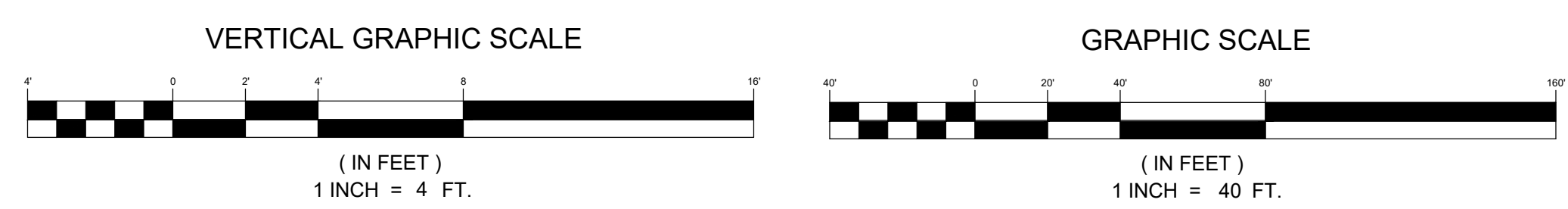
**PLANNING & DEVELOPMENT SERIES**  
YORK COUNTY, SC

**APPROVED**  
Project No: 20223708  
Date: 4/4/2024



**LEGEND**

PROP. CONCRETE SIDEWALK	[Symbol]
PROP. CURB & GUTTER	[Symbol]
PROP. RIGHT-OF-WAY	[Symbol]
PROP. EDGE OF PAVEMENT	[Symbol]
PROP. PAVEMENT MARKING	[Symbol]
EXIST. EDGE OF PAVEMENT	[Symbol]
EXIST. BACK OF CURB	[Symbol]
EXIST. PAVEMENT MARKING	[Symbol]
EXIST. PAVEMENT (VAR. MILLING & OVERLAY)	[Symbol]
FULL DEPTH PAVEMENT	[Symbol]
ASPHALT MILLING TRANSITION	[Symbol]



\*REFER TO TYPICAL SECTIONS FOR EXISTING & PROPOSED ROAD IMPROVEMENTS

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YORK COUNTY, SC  
No. 030911  
R. AN C. TURLEY

NO.	DATE	REVISION	BY	RC
1.	3/20/2024	REVISED PER SCDOT AND YORK COUNTY COMMENTS		

**GOLD HILL ROAD NORTH - STA. 10+00 TO 19+05.87**

**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS**  
FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

**PROJECT INFORMATION**

PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C3.2</b>

**811**  
Know what's below.  
Call before you dig.



PID# 7180000223  
FORT MILL HOSPITALITY, LLC  
DB 17461 PG 144  
PB 160 PG 277

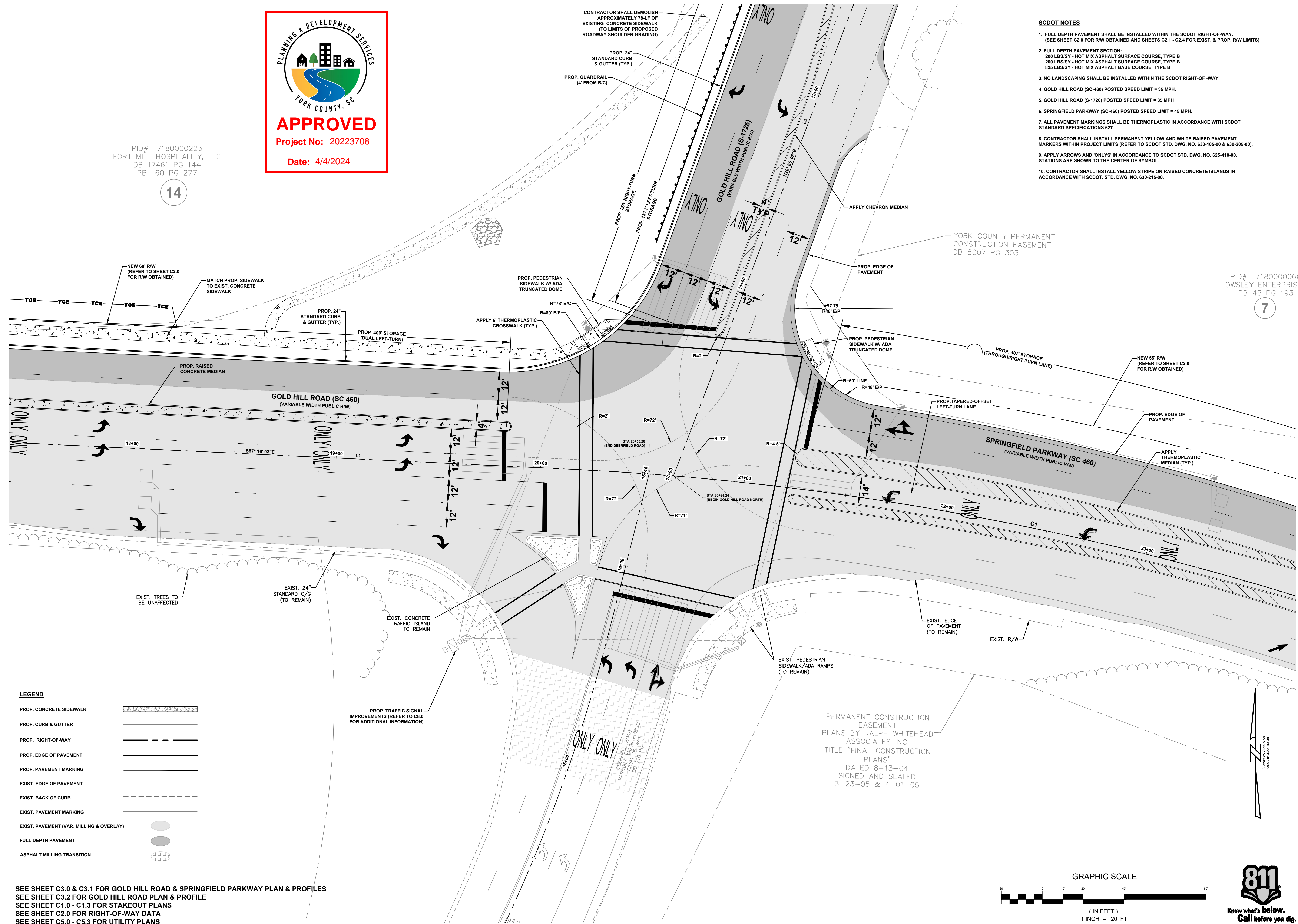
14

**SCDOT NOTES**

- FULL DEPTH PAVEMENT SHALL BE INSTALLED WITHIN THE SCDOT RIGHT-OF-WAY. (SEE SHEET C2.0 FOR RW OBTAINED AND SHEETS C2.1 - C2.4 FOR EXIST. & PROP. RW LIMITS)
- FULL DEPTH PAVEMENT SECTION:  
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PID# 7180000060  
OWSLEY ENTERPRISES  
PB 45 PG 193

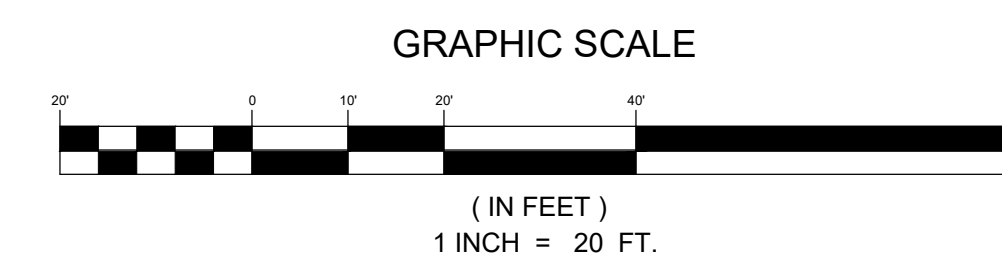
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**LEGEND**

- PROP. CONCRETE SIDEWALK
- PROP. CURB & GUTTER
- PROP. RIGHT-OF-WAY
- PROP. EDGE OF PAVEMENT
- PROP. PAVEMENT MARKING
- EXIST. EDGE OF PAVEMENT
- EXIST. BACK OF CURB
- EXIST. PAVEMENT MARKING
- EXIST. PAVEMENT (VAR. MILLING & OVERLAY)
- FULL DEPTH PAVEMENT
- ASPHALT MILLING TRANSITION

SEE SHEET C3.0 & C3.1 FOR GOLD HILL ROAD & SPRINGFIELD PARKWAY PLAN & PROFILES  
SEE SHEET C3.2 FOR GOLD HILL ROAD PLAN & PROFILE  
SEE SHEET C1.0 - C1.3 FOR STAKEOUT PLANS  
SEE SHEET C2.0 FOR RIGHT-OF-WAY DATA  
SEE SHEET C5.0 - C5.3 FOR UTILITY PLANS



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R. W. AN C. TURLEY  
No. 030911

NO.	DATE	REVISION	BY	RC	REVISION PER SCDOT AND YORK COUNTY COMMENTS
1.	3/20/2024				

**INTERSECTION DETAIL**  
**GOLD HILL ROAD & SPRINGFIELD PKWY.**  
**INTERSECTION IMPROVEMENTS**  
FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

PROJECT INFORMATION

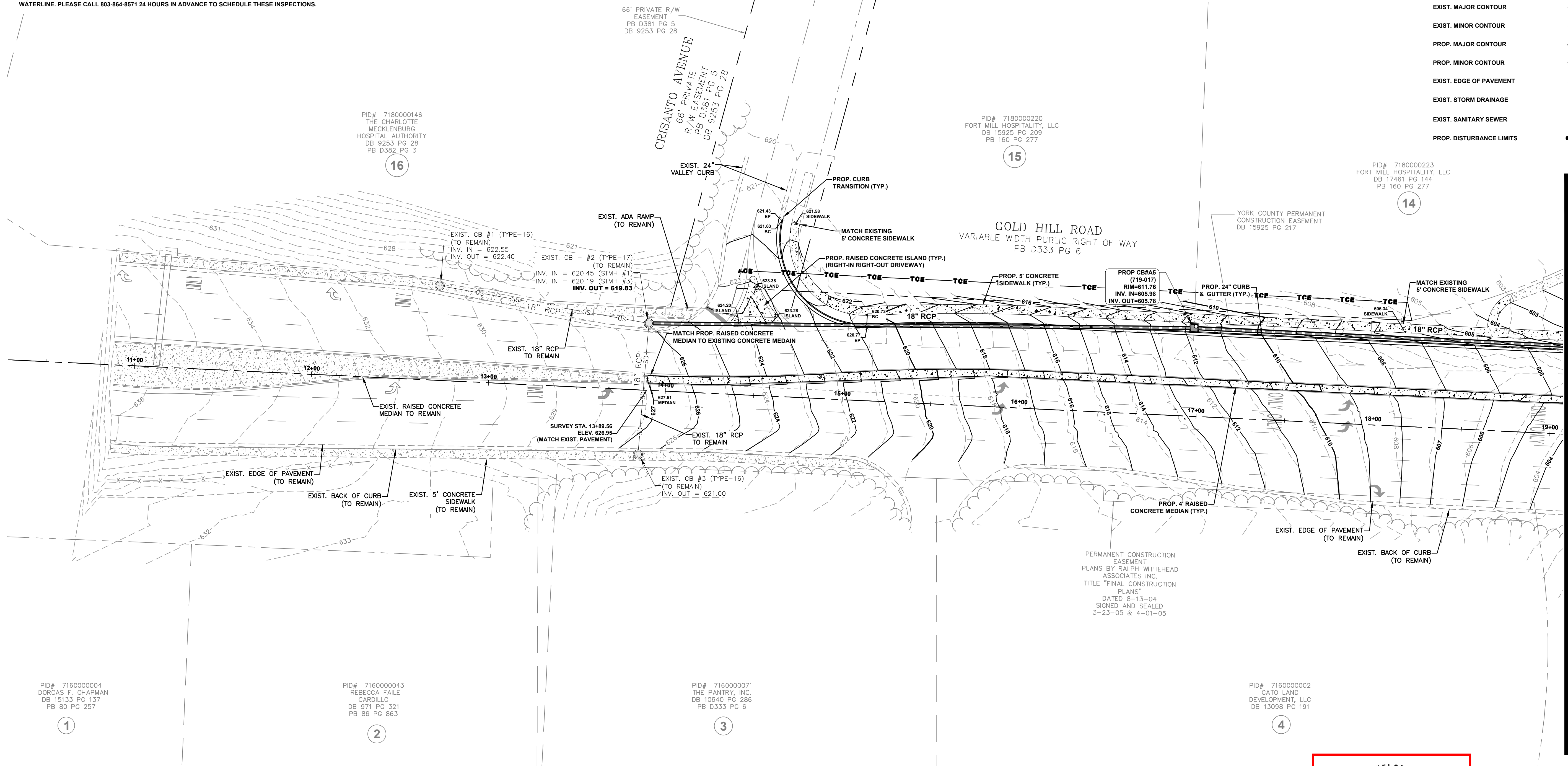
PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C3.3</b>

**YORK COUNTY UTILITY AND GRADING NOTES:**

CONTRACTOR TO FIELD VERIFY DEPTH OF THE EXISTING WATERLINE LOCATED WITHIN THE SCOPE OF THE WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE WATERLINE AND ASSOCIATED APPURTENANCES DURING ALL CONSTRUCTION ACTIVITIES. ANY DAMAGE WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, PER YORK COUNTY STANDARDS. ALL LINES MUST MAINTAIN A MINIMUM OF 3' OF COVER. ALL WATERLINE VALVES MUST BE BROUGHT UP TO BE FLUSH WITH FINISHED GRADE AND ANY VALVES THAT WILL BE UNDER THE PAVEMENT MUST HAVE HEAVY DUTY TRAFFIC RATED VALVE LIDS. A YORK COUNTY UTILITY INSPECTOR MUST BE ON SITE DURING THE FIELD VERIFICATION. FOR ANY GRADING OVER ANY YORK COUNTY UTILITIES AND DURING ANY WORK ON ANY PART OF THE EXISTING WATERLINE, PLEASE CALL 803-864-8571 24 HOURS IN ADVANCE TO SCHEDULE THESE INSPECTIONS.

**LEGEND**

- PROP. CONCRETE SIDEWALK
- PROP. CURB & GUTTER
- PROP. RIGHT-OF-WAY
- PROP. EDGE OF PAVEMENT
- EXIST. MAJOR CONTOUR
- EXIST. MINOR CONTOUR
- PROP. MAJOR CONTOUR
- PROP. MINOR CONTOUR
- EXIST. EDGE OF PAVEMENT
- EXIST. STORM DRAINAGE
- EXIST. SANITARY SEWER
- PROP. DISTURBANCE LIMITS



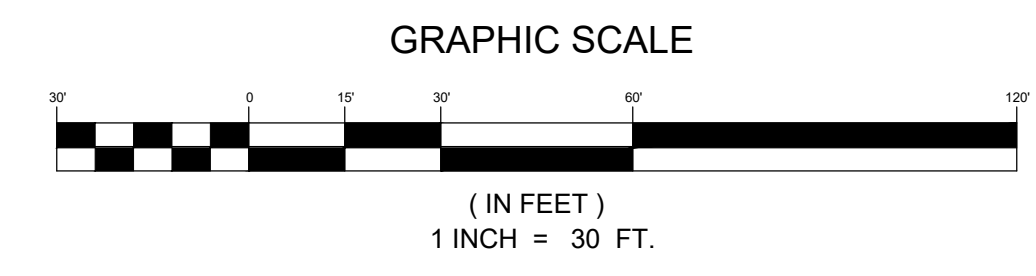
MATCH LINE STA. 19+00 - SEE SHEET 4.1

- GRADING NOTES:**
- TOPOGRAPHIC INFORMATION OBTAINED FROM "TOPOGRAPHIC SURVEY, FMSD ELEMENTARY SCHOOL NO. 12, MIDDLE SCHOOL NO. 7 (EUBANKS)" PREPARED BY ESP ASSOCIATES, INC., DATED 10/09/2023.
  - THIS PROPERTY IS SUBJECT TO ANY AND ALL APPLICABLE DEED RESTRICTIONS, EASEMENTS, RIGHTS-OF-WAYS, UTILITIES AND COVENANTS WHICH ARE OF RECORD.
  - WORK AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE YORK COUNTY CODES OF ORDINANCE AND THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
  - CONTRACTOR IS RESPONSIBLE AT CONTRACTOR'S EXPENSE FOR ENSURING AND OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO CONSTRUCTION. THESE PERMITS MAY INCLUDE, BUT NOT LIMITED TO: GRADING, DEMOLITION, BLASTING, ZONING, BUILDING, DRIVEWAY, DETENTION, SUBDIVISION SPECIAL USE, WATER AND SEWER PERMITS AND APPROVALS.
  - GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION AND SUBJECT TO A FINE.
  - ANY GRADING PERFORMED BEYOND THE DENUDED LIMITS INDICATED ON THE CONSTRUCTION DOCUMENTS IS SUBJECT TO A FINE.
  - APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFFSITE GRADING, WRITTEN PERMISSION MUST BE OBTAINED FROM THE ADJACENT PROPERTY OWNERS(S).
  - CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR CONTACTING ALL APPROPRIATE UTILITIES AND ENSURING THAT UTILITIES ARE LOCATED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACCORDING TO SC STATE LAW. CONTRACTOR SHALL VERIFY LOCATION AND DEPTHS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
  - WHEN UNDERGROUND OBSTRUCTIONS NOT SHOWN ON THE CONSTRUCTION DRAWINGS (ROCK, PIPING, ETC.), ARE ENCOUNTERED, THE CONTRACTOR SHALL PROMPTLY REPORT THE CONFLICT TO THE OWNER'S ENGINEER. ALL CHANGES MUST BE APPROVED IN WRITING BY THE ENGINEER BEFORE CONSTRUCTION CAN PROCEED.
  - CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ANY UTILITIES DAMAGED DURING CONSTRUCTION.

- CLEARING AND GRUBBING SHALL BE PERFORMED WITHIN THE LIMITS SHOWN ON THE PLANS. ALL TIMBER, BRUSH ROOTS, STUMPS, TREES, OR OTHER VEGETATION CUT DURING THE CLEARING OPERATIONS SHALL BECOME THE CONTRACTOR'S RESPONSIBILITY TO DISPOSE OF PROPERLY, AND SHALL BE EITHER REMOVED FROM THE PROJECT SITE BY THE CONTRACTOR, OR SATISFACTORILY DISPOSED OF ON-SITE WITH APPROVAL FROM THE OWNER.
- CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR PROPER REMOVAL OF ALL CONSTRUCTION WASTE AND DEBRIS. ALL WASTE AND DEBRIS SHALL BE LEGALLY DISPOSED AT AN OFFSITE LOCATION.
- ROAD SHOULDERS, SWALES, BACK-OF-CURBS, AND CUT/FILL BANKS SHALL BE COMPLETELY DRESSED BY THE CONTRACTOR AND SEEDED AS SOON AS POSSIBLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THESE AREAS UNTIL A PERMANENT STAND OF GRASS IS ESTABLISHED.
- CUT AND FILL SLOPES OF ANY AREA SHALL NOT EXCEED THE RATIO OF 2:1, UNLESS NOTED OTHERWISE.
- STREETS SHALL BE GRADED IN ACCORDANCE WITH THE LINES AND GRADE SET BY THE ENGINEER. BEFORE PLACING CURBS AND GUTTER OR BASE ON THE GRADED SUBGRADE, THE SUBGRADE SHALL BE COMPACTED TO 100% PER ASTM D699 FOR A DEPTH OF TWELVE (12) INCHES, 95% GREATER THAN TWELVE (12) INCHES, AND THEN SHALL BE PROOF ROLLED IN THE PRESENCE OF THE ENGINEER. PLACES THAT ARE FOUND TO BE LOOSE, SOFT, OR COMPOSED OF UNSUITABLE MATERIALS, WHETHER IN THE SUBGRADE OR BELOW IT, MUST BE DUG OUT AND REFILLED WITH SUITABLE MATERIAL. ALL EMBANKMENTS OR FILLS SHALL BE MADE IN SIX-INCH VERTICAL LIFTS OF SUITABLE MATERIAL. THE FILL SHALL BE ROLLED WITH A SHEEPS-FOOT ROLLER AFTER EACH LIFT, FOLLOWED BY A WHEEL ROLLER, EACH WEIGHING NOT LESS THAN TEN (10) TONS.
- THE STONE BASE SHALL BE COMPACTED TO 100% OF THE MAXIMUM DENSITY OBTAINABLE WITH THE MODIFIED PROCTOR TEST (AASHTO-T99) BY ROLLING WITH RING OR TAMPING ROLLER OR WITH A PNEUMATIC TIRE ROLLER WITH A MINIMUM WEIGHT OF TEN TONS. WHEN COMPLETED, THE BASE COURSE SHALL BE SMOOTH, HARD, DENSE, UNYIELDING AND WELL BONDED.
- FILL EMBANKMENTS SHALL BE FORMED OF SUITABLE MATERIAL PLACED IN SUCCESSIVE LAYERS NOT TO EXCEED MORE THAN SIX (6) INCHES IN DEPTH FOR THE FULL WIDTH OF THE CROSS-SECTION, INCLUDING THE WIDTH OF THE SLOPE AREA. NO STUMPS, TREES, BRUSH, RUBBISH OR OTHER UNSUITABLE MATERIALS OR SUBSTANCES SHALL BE PLACED IN THE EMBANKMENT. EACH SUCCESSIVE SIX (6) INCH LAYER SHALL BE THOROUGHLY COMPACTED BY THE SHEEPS-FOOT TAMPING ROLLER, 10-TON POWER ROLLER, PNEUMATIC-TIRE ROLLER, OR OTHER METHODS APPROVED BY THE ENGINEER. EMBANKMENTS OVER AND AROUND ALL PIPE CULVERTS SHALL BE OF SELECT MATERIAL, PLACED AND THOROUGHLY TAMPED AND COMPACTED AS DIRECTED BY THE ENGINEER.

- ALL BACKFILL SHALL BE OF LOW PLASTICITY, FREE FROM ROOTS, VEGETATIVE MATTER, WASTE, CONSTRUCTION MATERIAL, AND OTHER OBJECTIONABLE MATERIAL. SAID MATERIAL SHALL BE CAPABLE OF BEING COMPACTED BY MECHANICAL MEANS AND THE MATERIAL SHALL HAVE NO TENDENCY TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER THE TAMING BLOWS OR PROOF ROLLING.
  - ALL PROPOSED GRADES SHOWN ON THESE PLANS ARE FINAL GRADES. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE APPROPRIATE SUBGRADE ELEVATIONS.
  - ON-SITE BURIAL PITS ARE NOT ALLOWED.
  - NO EQUIPMENT SHALL IMPEDE IN-USE TRAVEL LANES
- STORM DRAINAGE NOTES:**
- RIM FOR JUNCTION BOXES (JB) = TOP CENTER OF MANHOLE COVER
  - JUNCTION STRUCTURES INSTALLED OUTSIDE OF PAVEMENT AND LANDSCAPED AREAS SHALL BE SET TWO (2) ABOVE FINAL GRADE.
  - ALL STORM DRAINAGE STRUCTURES AND PIPES SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH SCDOT STANDARD SPECIFICATIONS AND THE YORK COUNTY CODE OF ORDINANCES.
  - ALL STORM DRAINAGE SYSTEMS SHALL MEET SCDCHE STANDARDS FOR STORM WATER MANAGEMENT AND SEDIMENT REDUCTION.
  - CONTRACTOR SHALL INSPECT ALL EXISTING STORM DRAINAGE STRUCTURES. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS REQUIRED TO EXISTING STRUCTURES AND SHALL CLEAN EXISTING PIPES TO REMOVE ALL SILT AND DEBRIS.
  - CONTRACTOR SHALL VERIFY EXISTING GRADES PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY VARIATION FROM THE PLANS.
  - ALL STORM DRAIN PIPE WITHIN EXISTING AND PROPOSED PUBLIC STREET RIGHT-OF-WAYS SHALL BE REINFORCED CONCRETE PIPE (RCP) CLASS III, UNLESS OTHERWISE NOTED.
  - THE MINIMUM COVER FOR ALL STORM DRAIN PIPE WITHIN PAVEMENT SECTIONS IS TWO (2) FEET, UNLESS THE PIPE IS RCP CLASS IV, IN WHICH CASE IT SHALL HAVE A MINIMUM OF ONE (1) FOOT OF COVER.
  - RCP STORM DRAINAGE PIPE SHALL BE TONGUE AND GROOVE TYPE WITH FLEXIBLE MASTIC OR BUTYL SEALANT JOINTS, UNLESS OTHERWISE SPECIFICALLY NOTED ON THE CONSTRUCTION PLANS.

- ALL PIPES IN STORM DRAIN STRUCTURES SHALL BE FLUSH WITH THE INSIDE WALL.
- ANY STORM DRAIN STRUCTURES OVER THREE (3) FEET, SIX (6) INCHES IN HEIGHT SHALL HAVE STEPS IN ACCORDANCE WITH SCDOT STANDARD SPECIFICATIONS.
- ALL FRAMES, GRATES, RINGS, COVERS, ETC., MUST CONFORM TO SCDOT STANDARD SPECIFICATIONS. ALL CATCH BASINS (CB) SHALL HAVE TRAFFIC LOAD BEARING GRATES PER SCDOT SPECIFICATIONS.
- ALL TRENCH BACKFILL SHALL BE OF LOW PLASTICITY, FREE FROM ROOTS, VEGETATIVE MATTER, WASTE, CONSTRUCTION MATERIAL, OR OTHER OBJECTIONABLE MATERIAL. SAID MATERIAL SHALL BE CAPABLE OF BEING COMPACTED BY MECHANICAL MEANS AND SHALL HAVE NO TENDENCY TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER THE TAMING BLOWS OR PROOF ROLLING.
- MATERIALS DEEMED BY THE GEOTECHNICAL ENGINEER AS UNSUITABLE FOR BACKFILL PURPOSES SHALL BE REMOVED AND REPLACED WITH SELECT BACKFILL MATERIAL.
- BACKFILLING OF TRENCHES SHALL BE ACCOMPLISHED IMMEDIATELY AFTER THE PIPE IS LAID. THE FILL AROUND THE PIPE SHALL BE PLACED IN LAYERS NOT TO EXCEED EIGHT (8) INCHES, EACH LAYER SHALL BE THOROUGHLY COMPACTED TO 95% OF THE MAXIMUM DENSITY OBTAINABLE WITH THE STANDARD PROCTOR TEST (A DENSITY OF 100% STANDARD PROCTOR IS REQUIRED FOR THE TOP EIGHT (8) INCHES).
- COMPACTION REQUIREMENTS SHALL BE ATTAINED BY THE USE OF MECHANICAL COMPACTION METHODS. EACH LAYER OF BACKFILL SHALL BE PLACED LOOSE AND THOROUGHLY COMPACTED IN PLACE.
- UNDER NO CIRCUMSTANCES SHALL WATER BE PERMITTED TO RISE IN UNBACKFILLED TRENCHES AFTER THE PIPE HAS BEEN PLACED.



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ESP

SOUTH CAROLINA  
CERTIFICATE OF AUTHORIZATION  
ESP ASSOCIATES, INC.  
No. 5839

SOUTH CAROLINA  
REGISTERED PROFESSIONAL ENGINEER  
R. A. W. C. TURLEY  
No. 030911

NO.	DATE	REVISION	REVISION PER SCDOT AND YORK COUNTY COMMENTS
1.	3/20/2024		

ROADWAY GRADING & STORM DRAINAGE PLAN - SHEET 1 OF 4

GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS

YORK COUNTY, SC  
FORT MILL SCHOOL DISTRICT

PROJECT INFORMATION

PROJECT MANAGER: RCT

DESIGNED BY: DJH/CEB

DRAWN BY: DJH/CEB

PROJECT NUMBER: KT13.400

ORIGINAL DATE: 1/19/2024

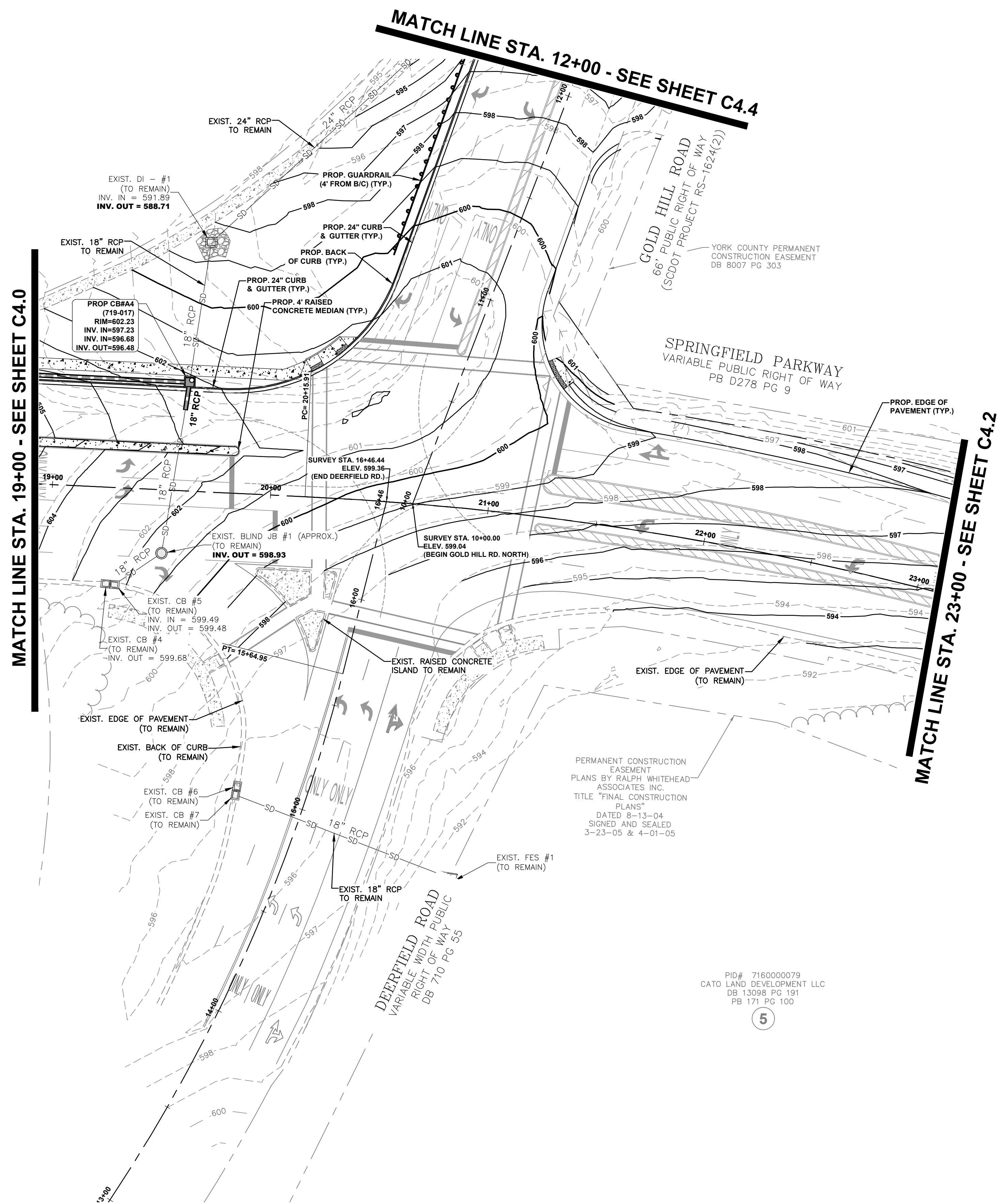
SHEET:

C4.0

V:\113.400 - final eubanks campus - utility road improvements - KT13.400 - ROADWAY GRADING & STORM DRAINAGE PLAN - SHEET 1 OF 4 - final

**YORK COUNTY UTILITY AND GRADING NOTES:**

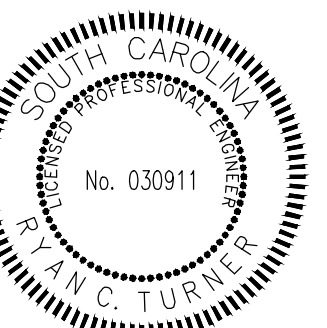
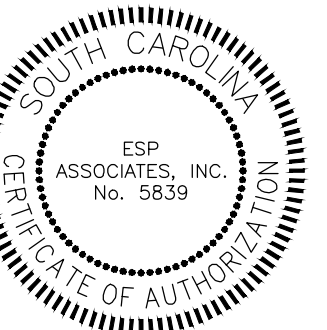
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**LEGEND**

- PROP. CONCRETE SIDEWALK
- PROP. CURB & GUTTER
- PROP. RIGHT-OF-WAY
- PROP. EDGE OF PAVEMENT
- EXIST. MAJOR CONTOUR
- EXIST. MINOR CONTOUR
- PROP. MAJOR CONTOUR
- PROP. MINOR CONTOUR
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- EXIST. STORM DRAINAGE
- EXIST. SANITARY SEWER
- PROP. DISTURBANCE LIMITS

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704-583-4949 (NC)  
803-802-2440 (SC)  
www.espasociates.com

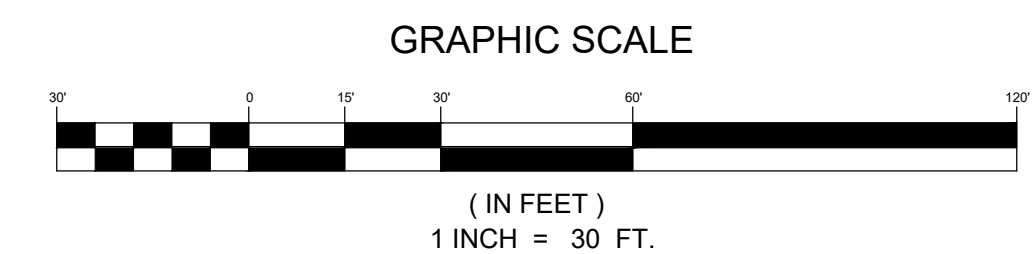


NO.	DATE	REVISION	BY	RC
1.	3/20/2024	REVISED PER SCDOT AND YORK COUNTY COMMENTS		

**ROADWAY GRADING & STORM DRAINAGE PLAN - SHEET 2 OF 4**  
**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS**  
YORK COUNTY, SC  
FORT MILL SCHOOL DISTRICT

**PROJECT INFORMATION**

PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C4.1</b>



PID# 7180000060  
OWSLEY ENTERPRISES  
PB 45 PG 193

7

MATCH LINE STA. 23+00 - SEE SHEET 4.1

SPRINGFIELD PARKWAY  
VARIABLE PUBLIC RIGHT OF WAY  
PB D278 PG 9

PID# 7160000080  
CATO LAND DEVELOPMENT, LLC  
DB 13098 PG 191

6

YORK COUNTY PERMANENT  
CONSTRUCTION EASEMENT  
DB 8007 PG 303

SURVEY STA. 26+78.83  
ELEV. 593.52  
(BEGIN NEW THROUGH AND RIGHT TURN LANE)

EXIST. GRAVEL DRIVEWAY  
(TO REMAIN)

SURVEY STA. 27+79.18  
ELEV. 590.31  
(END ROAD IMPROVEMENTS)

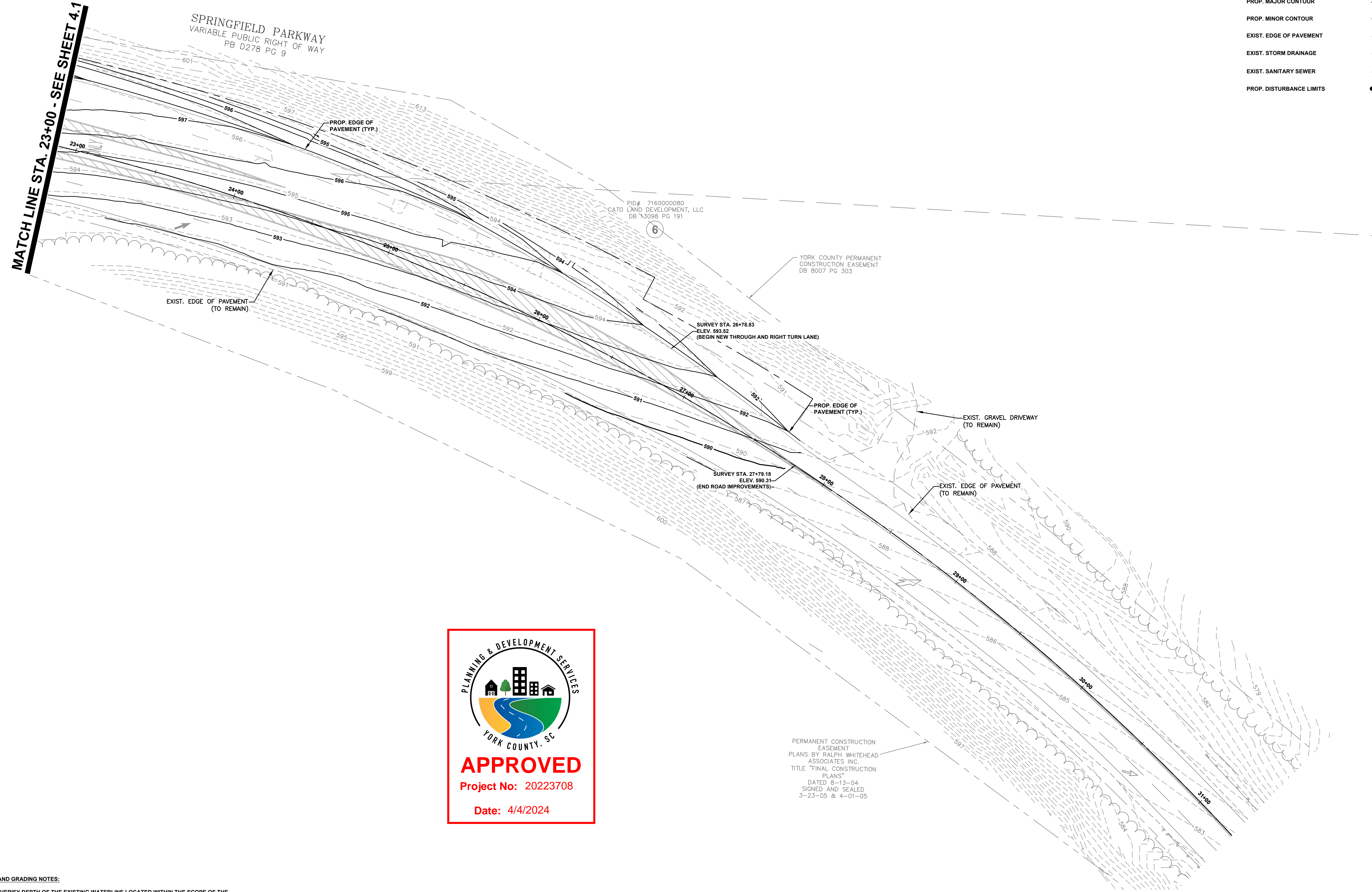
EXIST. EDGE OF PAVEMENT  
(TO REMAIN)



PERMANENT CONSTRUCTION  
EASEMENT  
PLANS BY: RALPH WHITEHEAD  
ASSOCIATES INC.  
TITLE "FINAL CONSTRUCTION  
PLANS"  
DATED 8-13-04  
SIGNED AND SEALED  
3-23-05 & 4-01-05

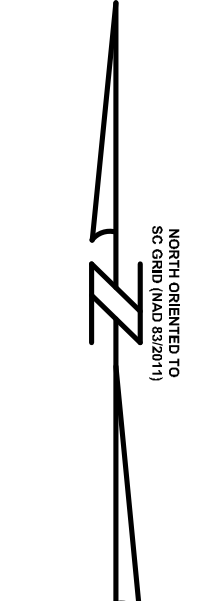
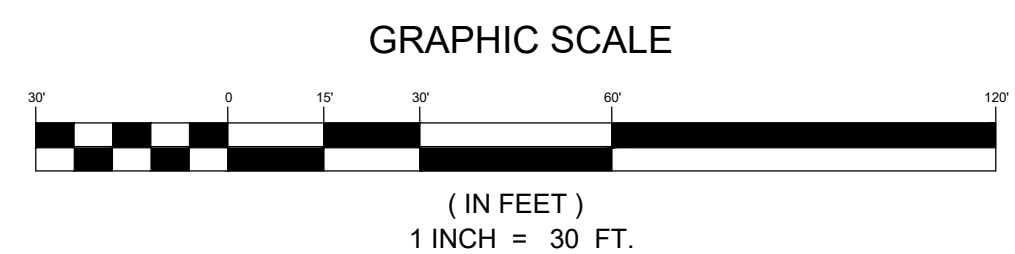
**LEGEND**

- PROP. CONCRETE SIDEWALK
- PROP. CURB & GUTTER
- PROP. RIGHT-OF-WAY
- PROP. EDGE OF PAVEMENT
- EXIST. MAJOR CONTOUR
- EXIST. MINOR CONTOUR
- PROP. MAJOR CONTOUR
- PROP. MINOR CONTOUR
- EXIST. EDGE OF PAVEMENT
- EXIST. STORM DRAINAGE
- EXIST. SANITARY SEWER
- PROP. DISTURBANCE LIMITS



**YORK COUNTY UTILITY AND GRADING NOTES:**

CONTRACTOR TO FIELD VERIFY DEPTH OF THE EXISTING WATERLINE LOCATED WITHIN THE SCOPE OF THE WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE WATERLINE AND ASSOCIATED APPURTENANCES DURING ALL CONSTRUCTION ACTIVITIES. ANY DAMAGE WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, PER YORK COUNTY STANDARDS. ALL LINES MUST MAINTAIN A MINIMUM OF 3' OF COVER. ALL WATERLINE VALVES MUST BE BROUGHT UP TO BE FLUSH WITH FINISHED GRADE AND ANY VALVES THAT WILL BE UNDER THE PAVEMENT MUST HAVE HEAVY DUTY TRAFFIC RATED VALVE LIDS. A YORK COUNTY UTILITY INSPECTOR MUST BE ON SITE DURING THE FIELD VERIFICATION. FOR ANY GRADING OVER ANY YORK COUNTY UTILITIES AND DURING ANY WORK ON ANY PART OF THE EXISTING WATERLINE. PLEASE CALL 803-864-8571 24 HOURS IN ADVANCE TO SCHEDULE THESE INSPECTIONS.



ESP Associates, Inc.  
P.O. Box 7030  
Charlotte, NC 28241  
3475 Lakemont Blvd.  
Fort Mill, SC 29708  
704-583-4949 (NC)  
803-802-2440 (SC)  
www.espasociates.com

**ESP**

YORK COUNTY, SOUTH CAROLINA  
ESP ASSOCIATES, INC.  
No. 5839  
CERTIFICATE OF AUTHORIZATION

YORK COUNTY, SOUTH CAROLINA  
No. 030911  
R. AN C. TURLEY

NO.	DATE	REVISION	BY	RC	REVISOR COMMENTS
1.	3/20/2024				REVISED PER SCDOT AND YORK COUNTY COMMENTS

**ROADWAY GRADING & STORM DRAINAGE PLAN - SHEET 3 OF 4**

**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS**  
FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

PROJECT INFORMATION

PROJECT MANAGER:	RC
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C4.2</b>

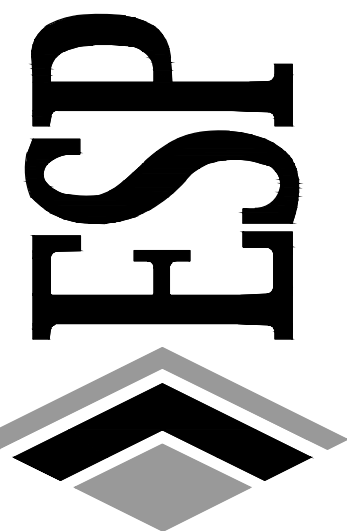
**YORK COUNTY UTILITY AND GRADING NOTES:**

CONTRACTOR TO FIELD VERIFY DEPTH OF THE EXISTING WATERLINE LOCATED WITHIN THE SCOPE OF THE WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE WATERLINE AND ASSOCIATED APPURTENANCES DURING ALL CONSTRUCTION ACTIVITIES. ANY DAMAGE WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. PER YORK COUNTY STANDARDS, ALL LINES MUST MAINTAIN A MINIMUM OF 3' OF COVER. ALL WATERLINE VALVES MUST BE BROUGHT UP TO BE FLUSH WITH FINISHED GRADE AND ANY VALVES THAT WILL BE UNDER THE PAVEMENT MUST HAVE HEAVY DUTY TRAFFIC RATED VALVE LIDS. A YORK COUNTY UTILITY INSPECTOR MUST BE ON SITE DURING THE FIELD VERIFICATION. FOR ANY GRADING OVER ANY YORK COUNTY UTILITIES AND DURING ANY WORK ON ANY PART OF THE EXISTING WATERLINE, PLEASE CALL 803-864-8571 24 HOURS IN ADVANCE TO SCHEDULE THESE INSPECTIONS.

**LEGEND**

- PROP. CONCRETE SIDEWALK
- PROP. CURB & GUTTER
- PROP. RIGHT-OF-WAY
- PROP. EDGE OF PAVEMENT
- EXIST. MAJOR CONTOUR
- EXIST. MINOR CONTOUR
- PROP. MAJOR CONTOUR
- PROP. MINOR CONTOUR
- EXIST. EDGE OF PAVEMENT
- EXIST. STORM DRAINAGE
- EXIST. SANITARY SEWER
- PROP. DISTURBANCE LIMITS

ESP Associates, Inc.  
P.O. Box 7030  
Charlotte, NC 28241  
3475 Lakemont Blvd.  
Fort Mill, SC 29708  
704-583-4949 (NC)  
803-802-2440 (SC)  
www.espsassociates.com

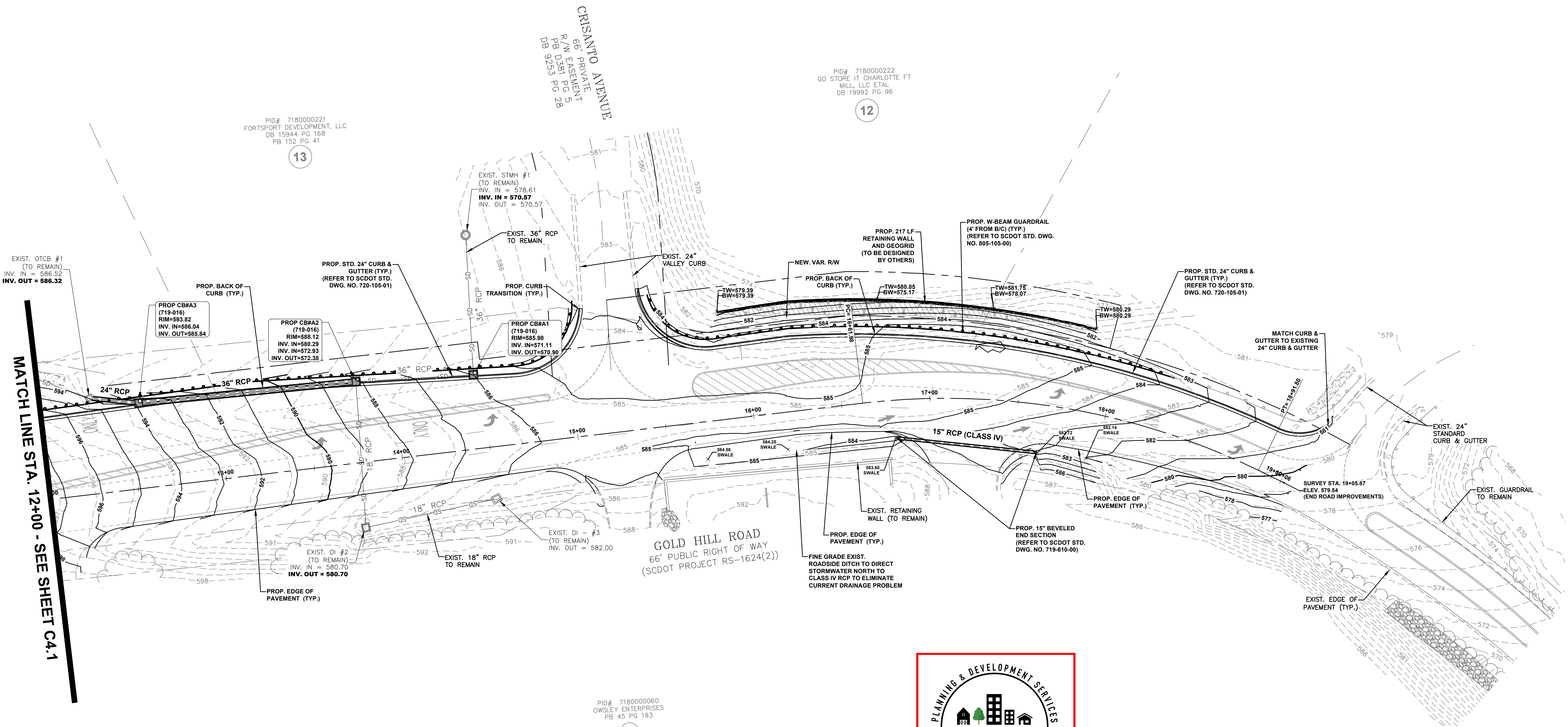


NO.	DATE	REVISION	BY	RC	COMMENTS
1.	3/20/2024	REVISED PER SCDOT AND YORK COUNTY COMMENTS			

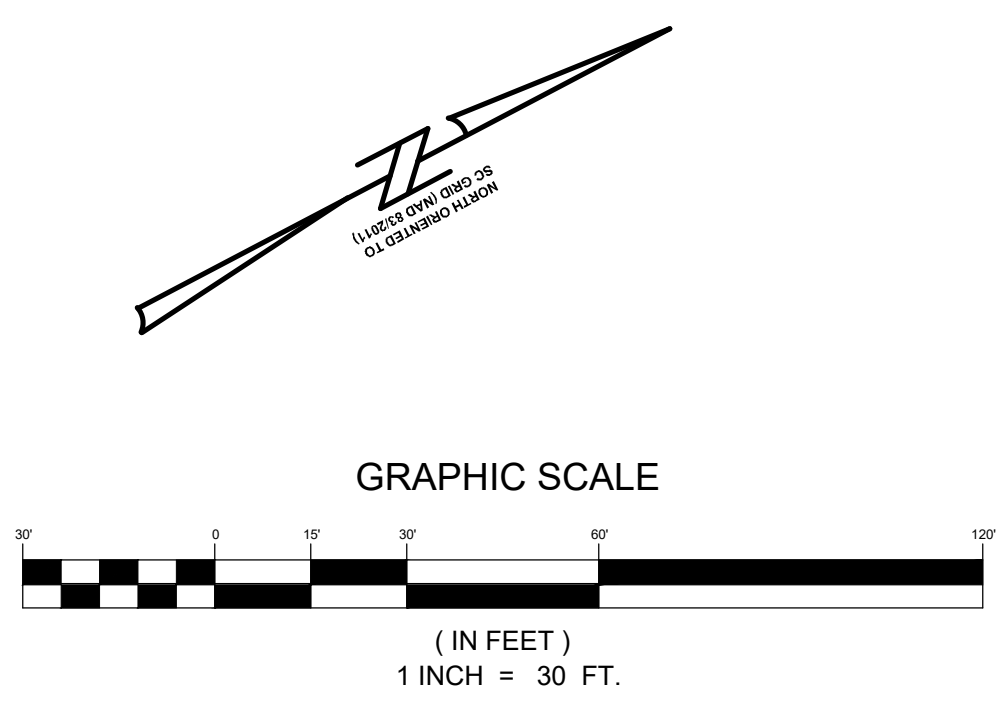
**ROADWAY GRADING & STORM DRAINAGE PLAN - SHEET 4 OF 4**  
**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS**  
YORK COUNTY, SC  
FORT MILL SCHOOL DISTRICT

PROJECT INFORMATION	
PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C4.3</b>

V:\113.400 - Roadway Grading & Storm Drainage Plans\113.400-GRADE & STORM DRAINAGE PLAN - SHEET 4 OF 4.dwg



**APPROVED**  
Project No: 20223708  
Date: 4/4/2024



PID# 7180000221  
FORTSPORT DEVELOPMENT, LLC  
DB 15944 PG 168  
PB 152 PG 41

CRISANTO AVENUE  
66' PRIVATE  
R/W EASEMENT  
PB D581 PG 5  
DB 9253 PG 28

PID# 7180000222  
GO STORE IT CHARLOTTE, FT  
MILL, LLC ET AL  
DB 19992 PG 96

PID# 7180000060  
OWBLEY ENTERPRISES  
PB 45 PG 193

EXIST. OTCB #1  
(TO REMAIN)  
INV. IN = 586.52  
INV. OUT = 586.32

PROP. CB#A3  
(719-016)  
RIM=593.82  
INV. IN=586.04  
INV. OUT=585.84

PROP. CB#A2  
(719-016)  
RIM=588.12  
INV. IN=580.29  
INV. IN=572.93  
INV. OUT=572.38

PROP. CB#A1  
(719-016)  
RIM=585.98  
INV. IN=571.11  
INV. OUT=570.90

EXIST. DI #2  
(TO REMAIN)  
INV. IN = 580.70  
INV. OUT = 580.70

EXIST. DI #3  
(TO REMAIN)  
INV. OUT = 582.00

**GOLD HILL ROAD**  
66' PUBLIC RIGHT OF WAY  
(SCDOT PROJECT RS-1624(2))

FINE GRADE EXIST.  
ROADSIDE DITCH TO DIRECT  
STORMWATER NORTH TO  
CLASS IV RCP TO ELIMINATE  
CURRENT DRAINAGE PROBLEM

PROP. 15" BEVELED  
END SECTION  
(REFER TO SCDOT STD.  
DWG. NO. 719-610-00)

PROP. STD. 24" CURB &  
GUTTER (TYP.)  
(REFER TO SCDOT STD.  
DWG. NO. 720-105-01)

PROP. W-BEAM GUARDRAIL  
(4' FROM B/C) (TYP.)  
(REFER TO SCDOT STD. DWG.  
NO. 805-105-00)

PROP. BACK OF  
CURB (TYP.)

NEW. VAR. RW

PROP. 217 LF  
RETAINING WALL  
AND GEOGRID  
(TO BE DESIGNED  
BY OTHERS)

EXIST. 24"  
VALLEY CURB

EXIST. STMH #1  
(TO REMAIN)  
INV. IN = 578.61  
INV. IN = 570.57  
INV. OUT = 570.57

EXIST. 36" RCP  
TO REMAIN

PROP. CURB  
TRANSITION (TYP.)

PROP. STD. 24" CURB &  
GUTTER (TYP.)  
(REFER TO SCDOT  
DWG. NO. 720-105-01)

PROP. BACK OF  
CURB (TYP.)

PROP. EDGE OF  
PAVEMENT (TYP.)

EXIST. EDGE OF  
PAVEMENT (TYP.)

EXIST. 24"  
STANDARD  
CURB & GUTTER

EXIST. GUARDRAIL  
TO REMAIN

SURVEY STA. 19+05.87  
ELEV. 573.54  
(END ROAD IMPROVEMENTS)

PROP. EDGE OF  
PAVEMENT (TYP.)

PROP. EDGE OF  
PAVEMENT (TYP.)

EXIST. EDGE OF  
PAVEMENT (TYP.)

EXIST. EDGE OF  
PAVEMENT (TYP.)

EXIST. EDGE OF  
PAVEMENT (TYP.)

EXIST. EDGE OF  
PAVEMENT (TYP.)

EXIST. EDGE OF  
PAVEMENT (TYP.)

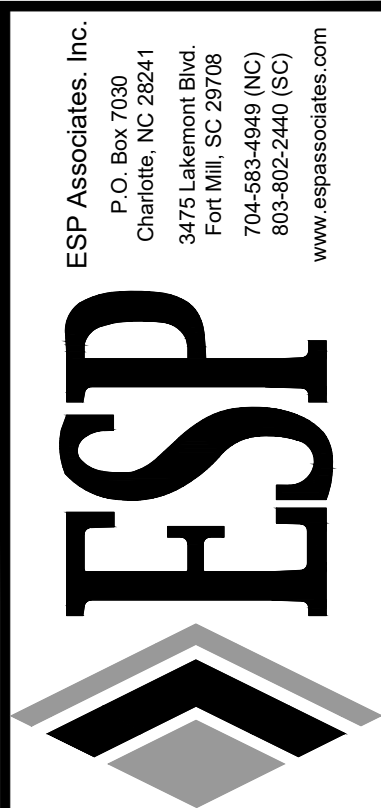
EXIST. EDGE OF  
PAVEMENT (TYP.)

EXIST. EDGE OF  
PAVEMENT (TYP.)

EXIST. EDGE OF  
PAVEMENT (TYP.)

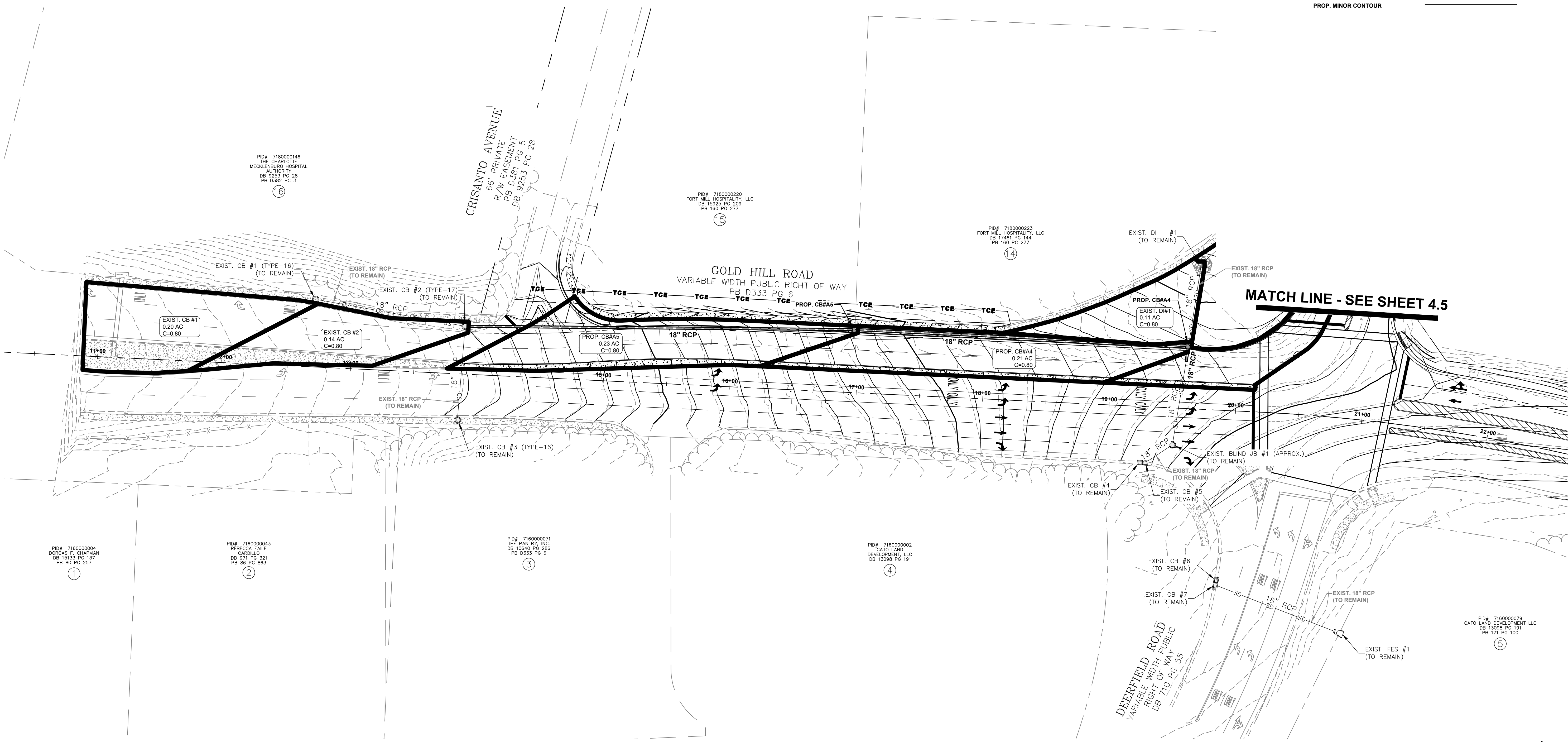
EXIST. EDGE OF  
PAVEMENT (TYP.)

EXIST. EDGE OF  
PAVEMENT (TYP.)



**LEGEND**

PROP. DRAINAGE AREA	
EXIST. MAJOR CONTOUR	
EXIST. MINOR CONTOUR	
PROP. MAJOR CONTOUR	
PROP. MINOR CONTOUR	



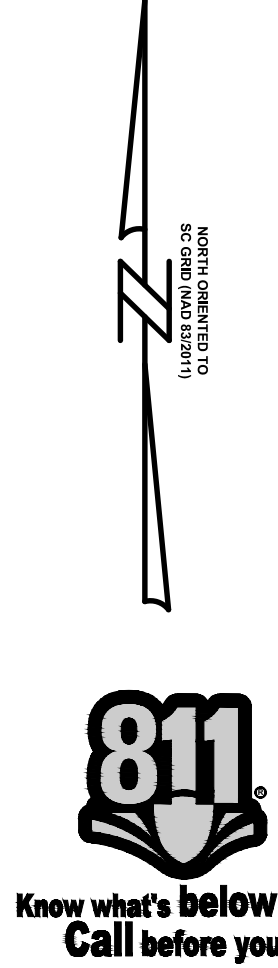
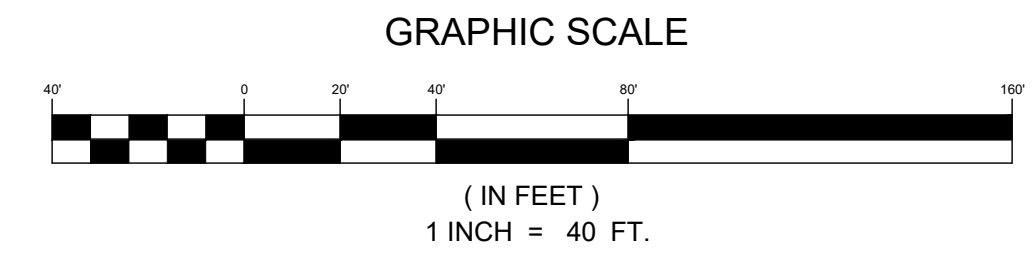
**10-YR STORM: SPREAD CALCULATIONS / INLET CAPACITY CHART**

PROJECT: KT13.400      DESIGNED BY: DJH/CBB      DATE: 1/19/2024      MAXIMUM ALLOWABLE SPREAD FOR STANDARD = 8'

LOCATION: YORK COUNTY, SC      CHECKED BY: RCT      DATE: 1/19/2024

RAINFALL INTENSITY: 4.00 IN/HR      REFERENCE: "SCDOT ROADWAY DESIGN MANUAL"

INLET #	DRAINAGE AREA	INLET 'C'	INLET TYPE	SURFACE 'Q'		SLOPE		INLET			BYPASS Q	To Inlet #	REMARKS	
				SUB.	TOTAL	LONG.	TRANS.	K	Q CAP	SPREAD				DEPTH
EXIST. CB#1	0.20	0.80	ON GRADE	0.64	0.64	3.50%	2.00%	32.0	0.65	4.82	0.10	0.00	EXIST. CB#2	TYPE-16 CATCH BASIN (TO REMAIN)
EXIST. CB#2	0.14	0.80	ON GRADE	0.45	0.47	4.00%	2.00%	33.0	0.53	4.19	0.08	0.00	CB#A5	TYPE-17 CATCH BASIN (TO REMAIN)
EXIST. CB#3	0.22	0.80	ON GRADE	0.70	0.70	4.00%	2.00%	33.0	0.68	4.87	0.10	0.02	EXIST. CB#2	TYPE-16 CATCH BASIN (TO REMAIN)
EXIST. CB#4&5	0.30	0.80	ON GRADE	0.96	0.96	3.50%	2.00%	32.0	0.84	5.61	0.11	0.12	CB#A4	DOUBLE (TO REMAIN)
CB#A1	0.05	0.80	ON GRADE	0.16	0.16	3.50%	2.00%	32.0	0.27	2.87	0.06	0.00		TYPE-16 CATCH BASIN
CB#A2	0.14	0.80	ON GRADE	0.45	0.48	3.50%	2.00%	32.0	0.54	4.34	0.09	0.00	CB#A1	TYPE-16 CATCH BASIN
CB#A3	0.22	0.80	ON GRADE	0.70	0.77	4.50%	2.00%	35.0	0.74	4.93	0.10	0.03	CB#A2	TYPE-16 CATCH BASIN
CB#A4	0.21	0.80	ON GRADE	0.67	0.83	3.50%	2.00%	32.0	0.76	5.32	0.11	0.07	CB#A3	TYPE-17 CATCH BASIN
CB#A5	0.23	0.80	ON GRADE	0.74	0.74	4.00%	2.00%	33.0	0.70	4.95	0.10	0.04	CB#A4	TYPE-17 CATCH BASIN



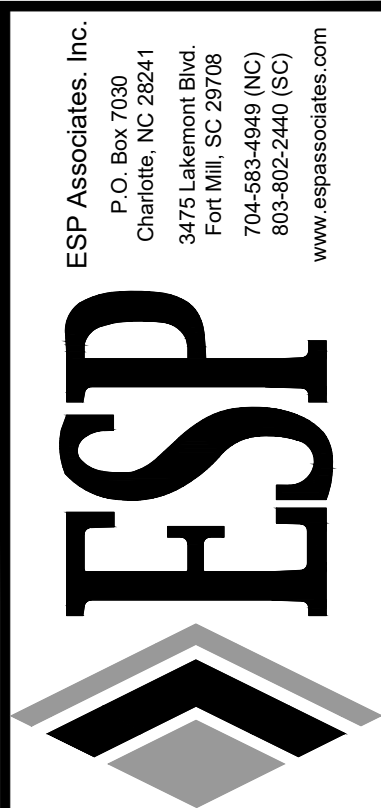
NO.	DATE	REVISION

**POST-DEVELOPMENT DRAINAGE AREA**  
**MAP - SHEET 1 OF 2**  
**GOLD HILL ROAD & SPRINGFIELD PKWY.**  
**INTERSECTION IMPROVEMENTS**  
 FORT MILL SCHOOL DISTRICT  
 YORK COUNTY, SC

**PROJECT INFORMATION**

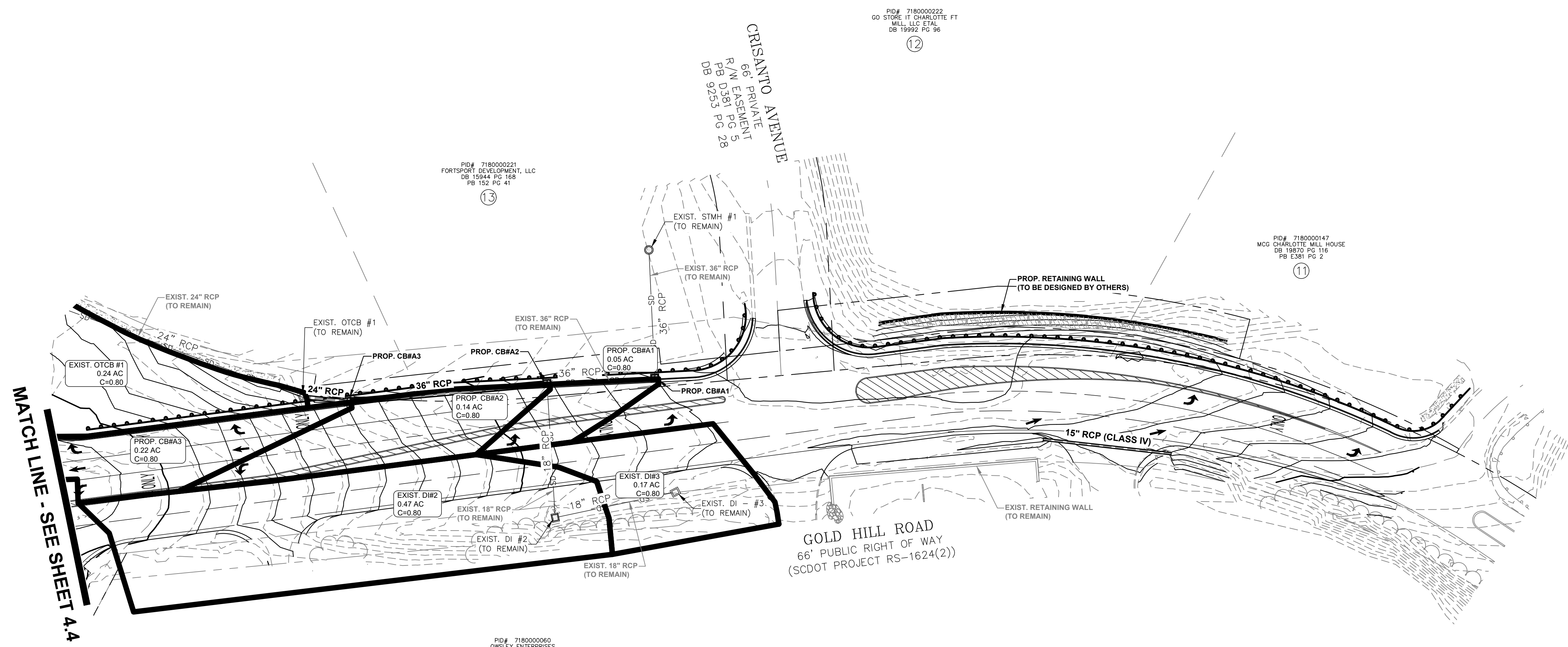
PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CBB
DRAWN BY:	DJH/CBB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C4.4</b>

V:\KT13.400 - FMSD - Eubanks\_Campbell\_Road\_Improvements\KT13.400-POST-DEVELOPMENT DRAINAGE AREA MAP - SHEET 1 OF 2.dwg



**LEGEND**

PROP. DRAINAGE AREA	
EXIST. MAJOR CONTOUR	
EXIST. MINOR CONTOUR	
PROP. MAJOR CONTOUR	
PROP. MINOR CONTOUR	



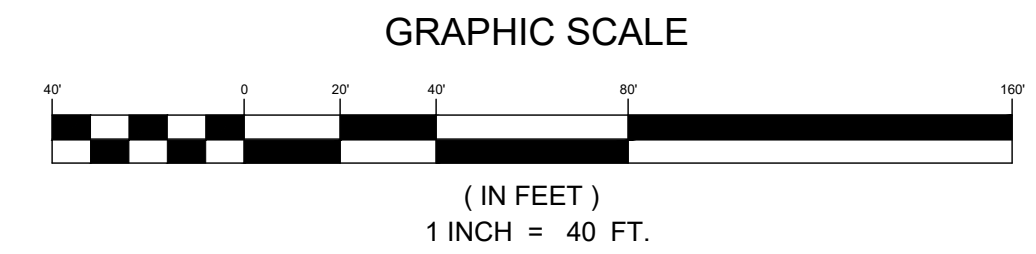
**10-YR STORM: SPREAD CALCULATIONS / INLET CAPACITY CHART**

PROJECT: KT13.400      DESIGNED BY: DJH/CEB      DATE: 1/19/2024      MAXIMUM ALLOWABLE SPREAD FOR STANDARD = 8'

LOCATION: YORK COUNTY, SC      CHECKED BY: RCT      DATE: 1/19/2024

RAINFALL INTENSITY: 4.00 IN/HR      REFERENCE: "SCDOT ROADWAY DESIGN MANUAL"

INLET #	DRAINAGE AREA	INLET 'C'	INLET TYPE	SURFACE 'Q'		SLOPE			INLET				BYPASS Q	To Inlet #	REMARKS
				SUB.	TOTAL	LONG.	TRANS.	K	Q CAP	SPREAD	DEPTH				
EXIST. CB#1	0.20	0.80	ON GRADE	0.64	0.64	3.50%	2.00%	32.0	0.65	4.82	0.10	0.00	EXIST. CB#2	TYPE-16 CATCH BASIN (TO REMAIN)	
EXIST. CB#2	0.14	0.80	ON GRADE	0.45	0.47	4.00%	2.00%	33.0	0.53	4.19	0.08	0.00	CB#A5	TYPE-17 CATCH BASIN (TO REMAIN)	
EXIST. CB#3	0.22	0.80	ON GRADE	0.70	0.70	4.00%	2.00%	33.0	0.68	4.87	0.10	0.02	EXIST. CB#2	TYPE-16 CATCH BASIN (TO REMAIN)	
EXIST. CB#4&5	0.30	0.80	ON GRADE	0.96	0.96	3.50%	2.00%	32.0	0.84	5.61	0.11	0.12	CB#A4	DOUBLE (TO REMAIN)	
CB#A1	0.05	0.80	ON GRADE	0.16	0.16	3.50%	2.00%	32.0	0.27	2.87	0.06	0.00	CB#A1	TYPE-16 CATCH BASIN	
CB#A2	0.14	0.80	ON GRADE	0.45	0.48	3.50%	2.00%	32.0	0.54	4.34	0.09	0.00	CB#A1	TYPE-16 CATCH BASIN	
CB#A3	0.22	0.80	ON GRADE	0.70	0.77	4.50%	2.00%	35.0	0.74	4.93	0.10	0.03	CB#A2	TYPE-16 CATCH BASIN	
CB#A4	0.21	0.80	ON GRADE	0.67	0.83	3.50%	2.00%	32.0	0.76	5.32	0.11	0.07	CB#A3	TYPE-17 CATCH BASIN	
CB#A5	0.23	0.80	ON GRADE	0.74	0.74	4.00%	2.00%	33.0	0.70	4.95	0.10	0.04	CB#A4	TYPE-17 CATCH BASIN	



NO.	DATE	REVISION

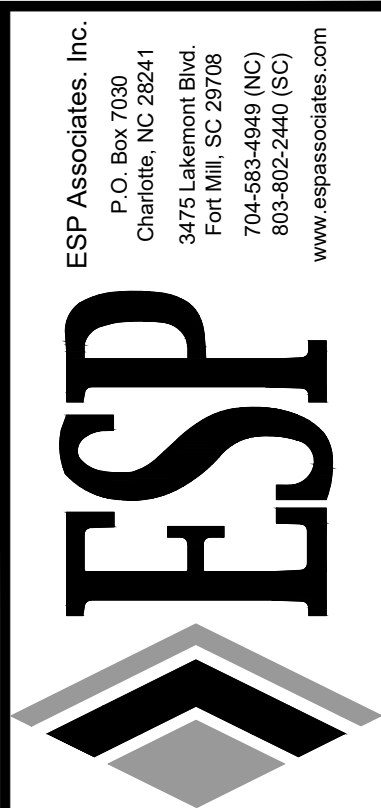
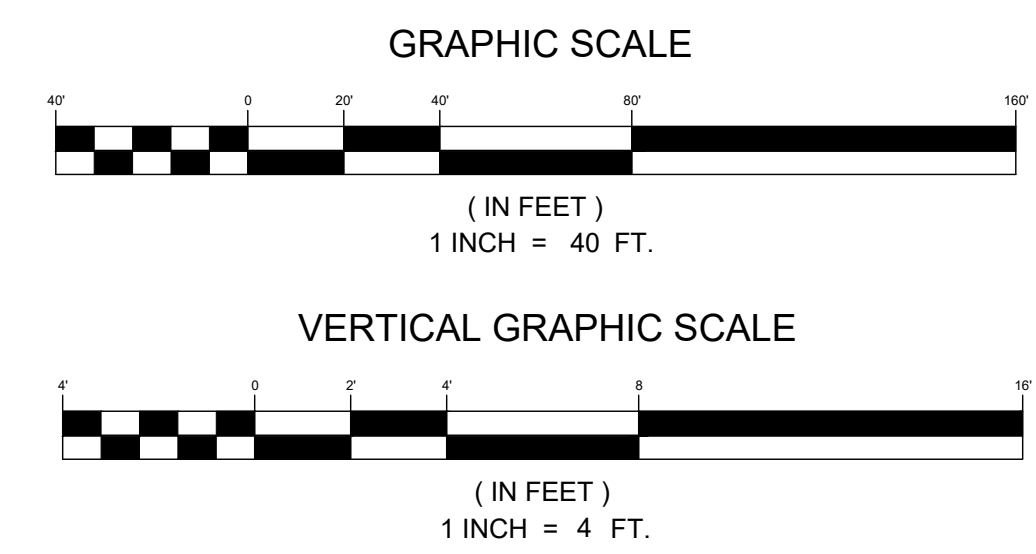
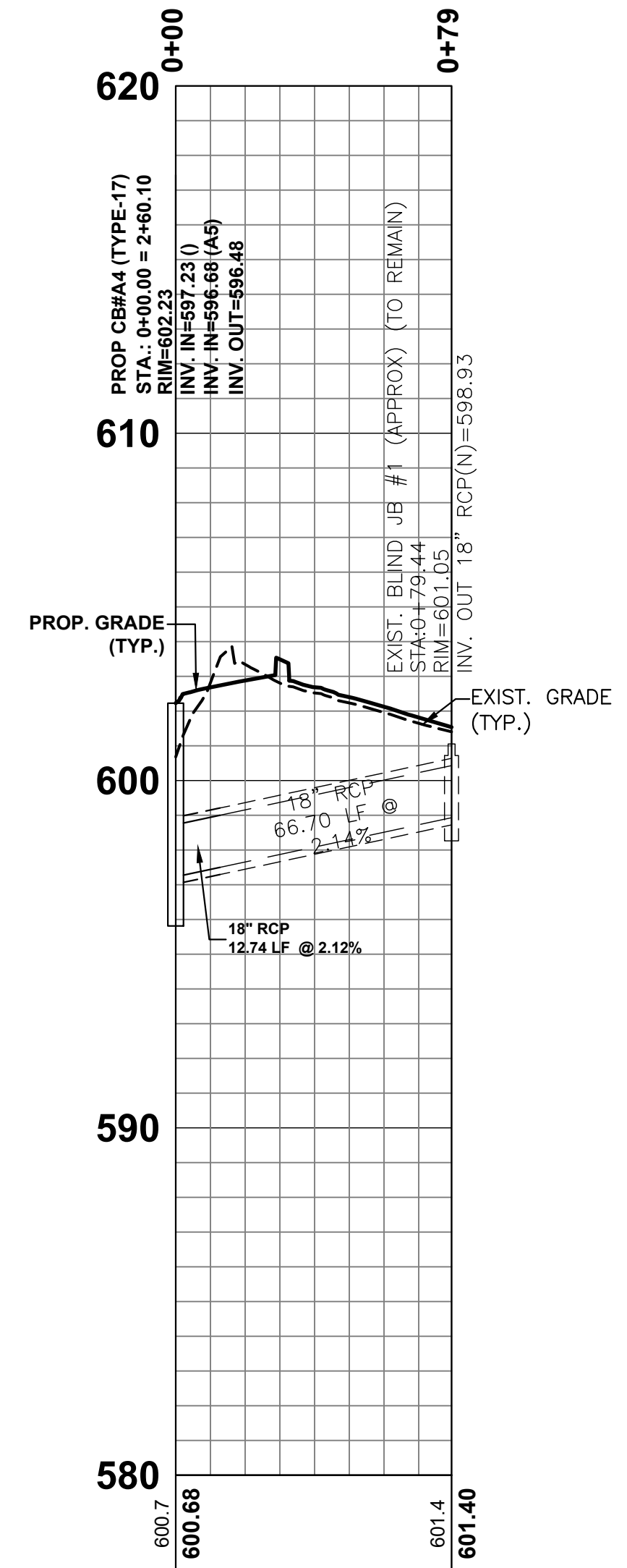
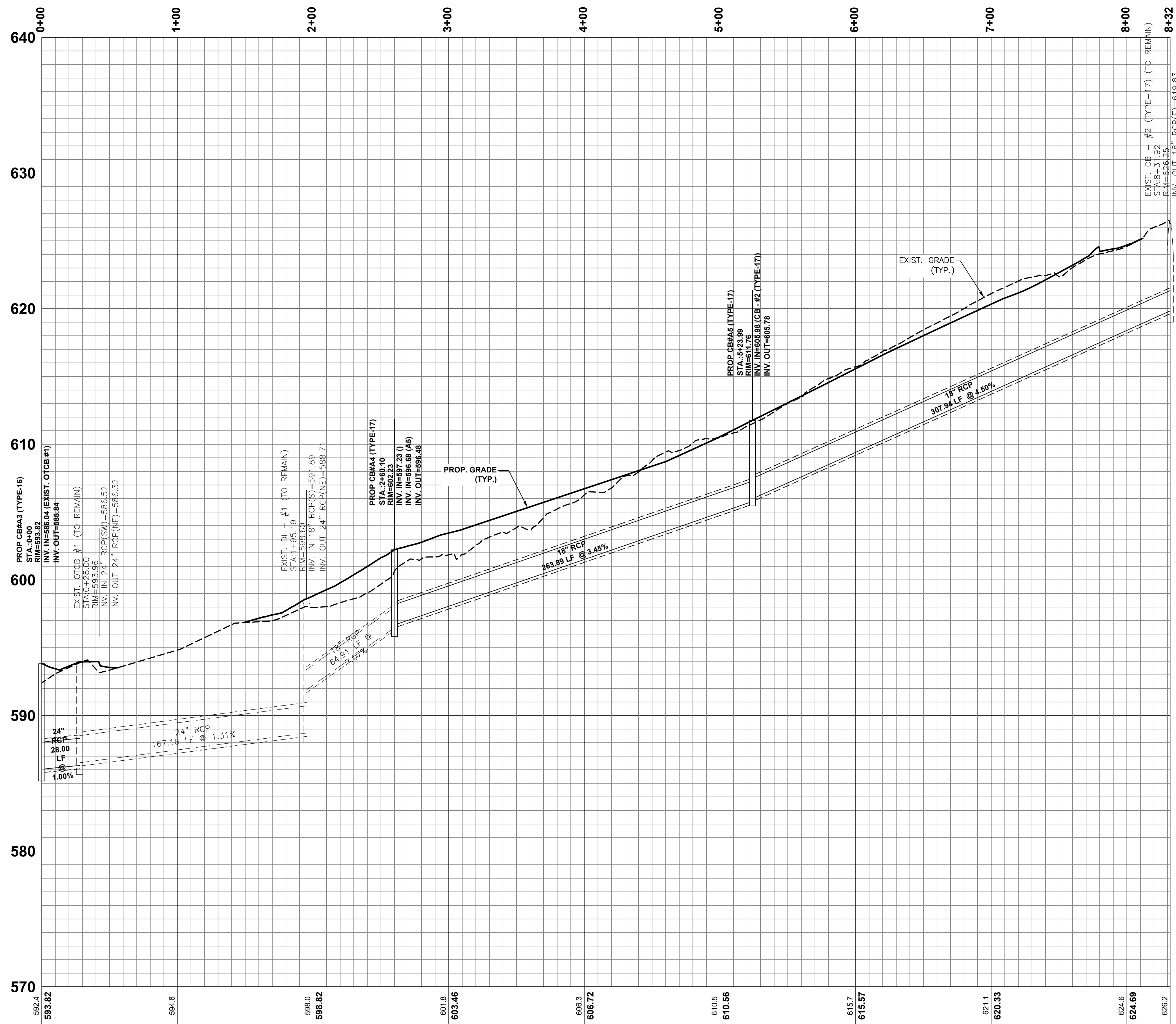
**POST-DEVELOPMENT DRAINAGE AREA**  
**MAP - SHEET 1 OF 2**  
**GOLD HILL ROAD & SPRINGFIELD PKWY.**  
**INTERSECTION IMPROVEMENTS**  
 YORK COUNTY, SC  
 FORT MILL SCHOOL DISTRICT

**PROJECT INFORMATION**

PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C4.5</b>

V:\KT13.400 - FMSD Edwards Campus Office Road Improvements\KT13.05-POST-DEV DA.dwg - POST-DEVELOPMENT DRAINAGE AREA MAP - SHEET 2 OF 2.dwg

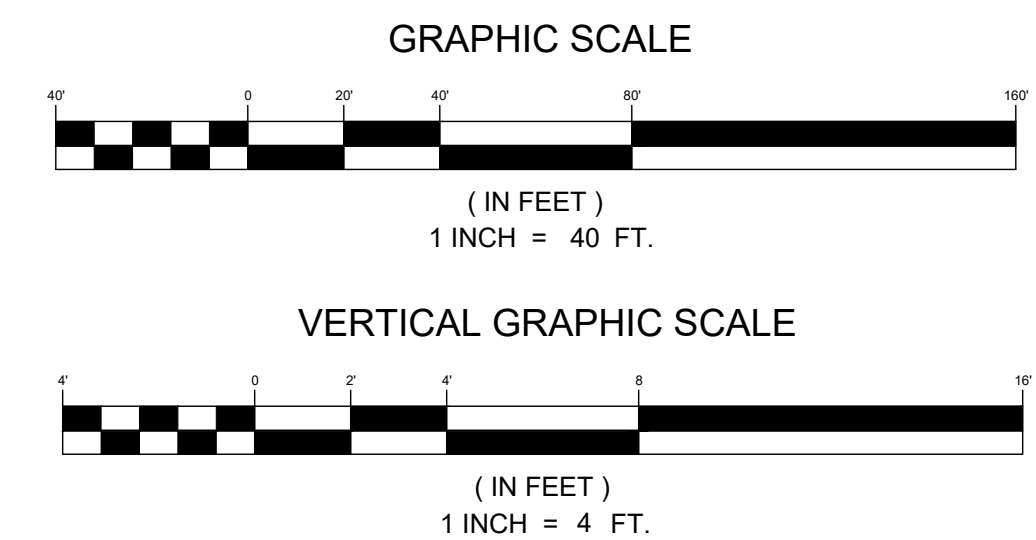
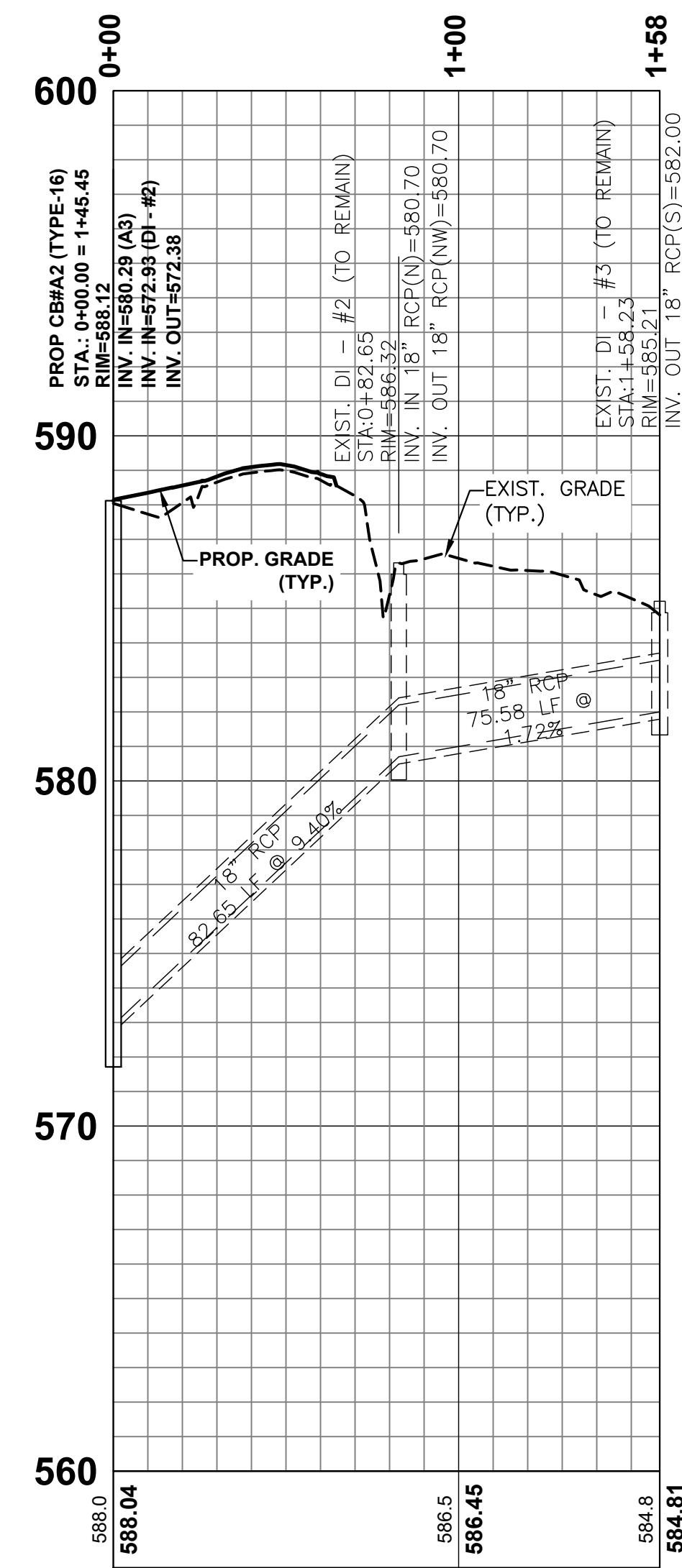
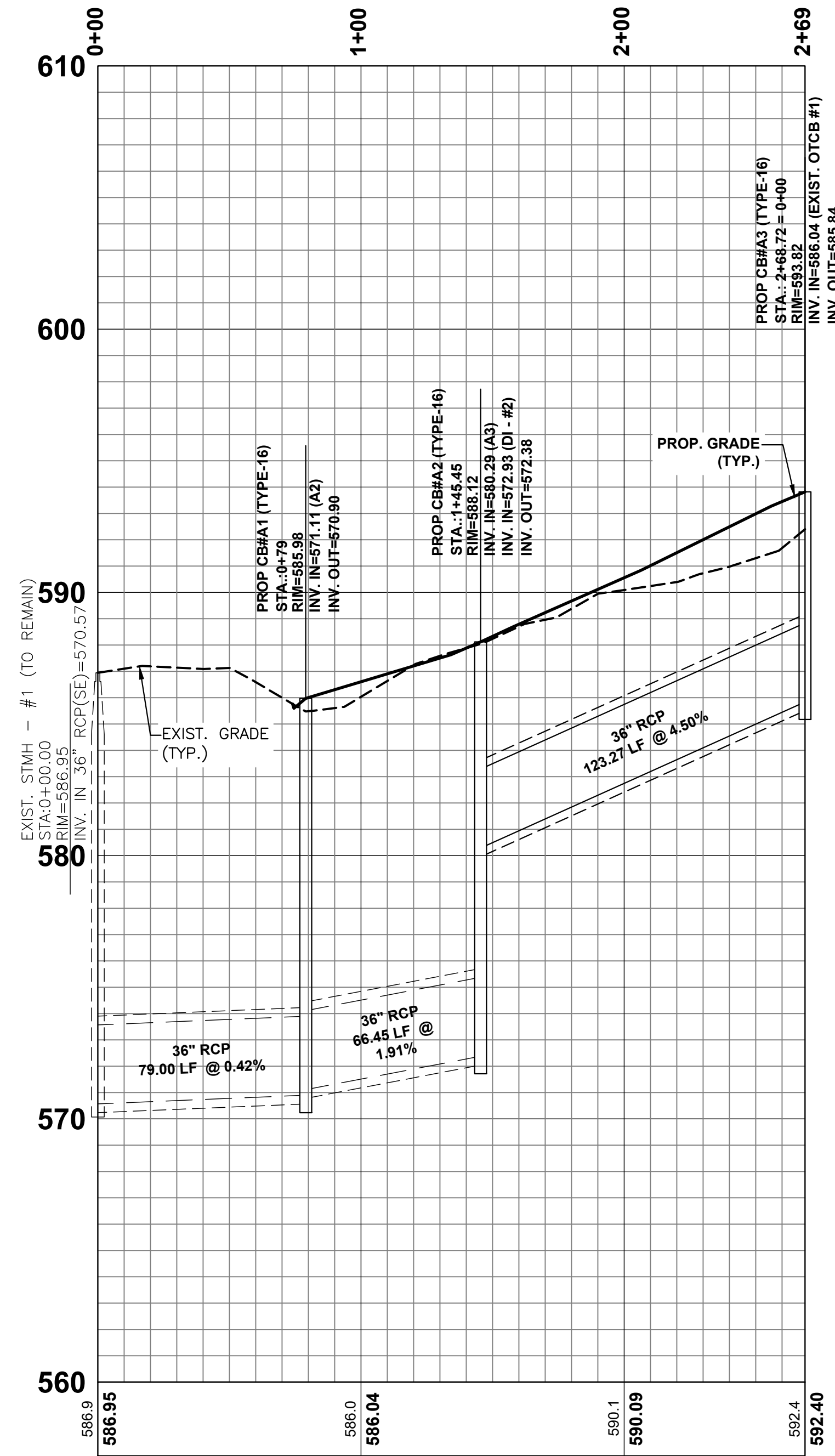




NO.	DATE	REVISION	BY

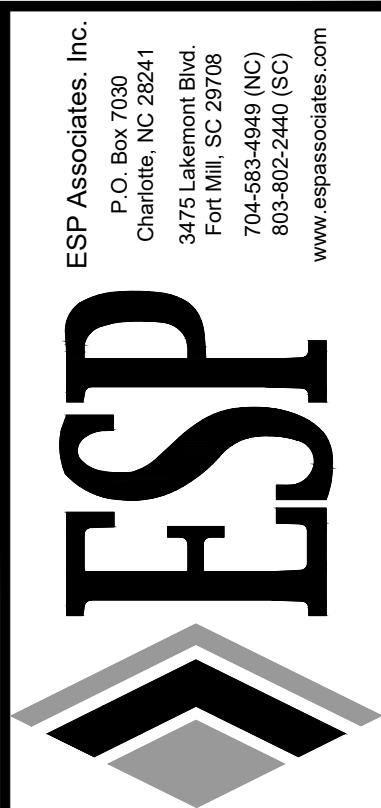
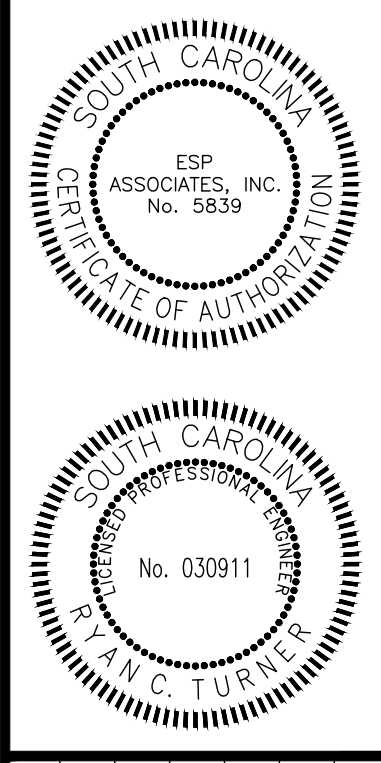
**POST-DEVELOPMENT STORM SYSTEM PROFILES - SHEET 1 OF 2**  
**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS**  
 FORT MILL SCHOOL DISTRICT YORK COUNTY, SC

PROJECT INFORMATION	
PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C4.6</b>

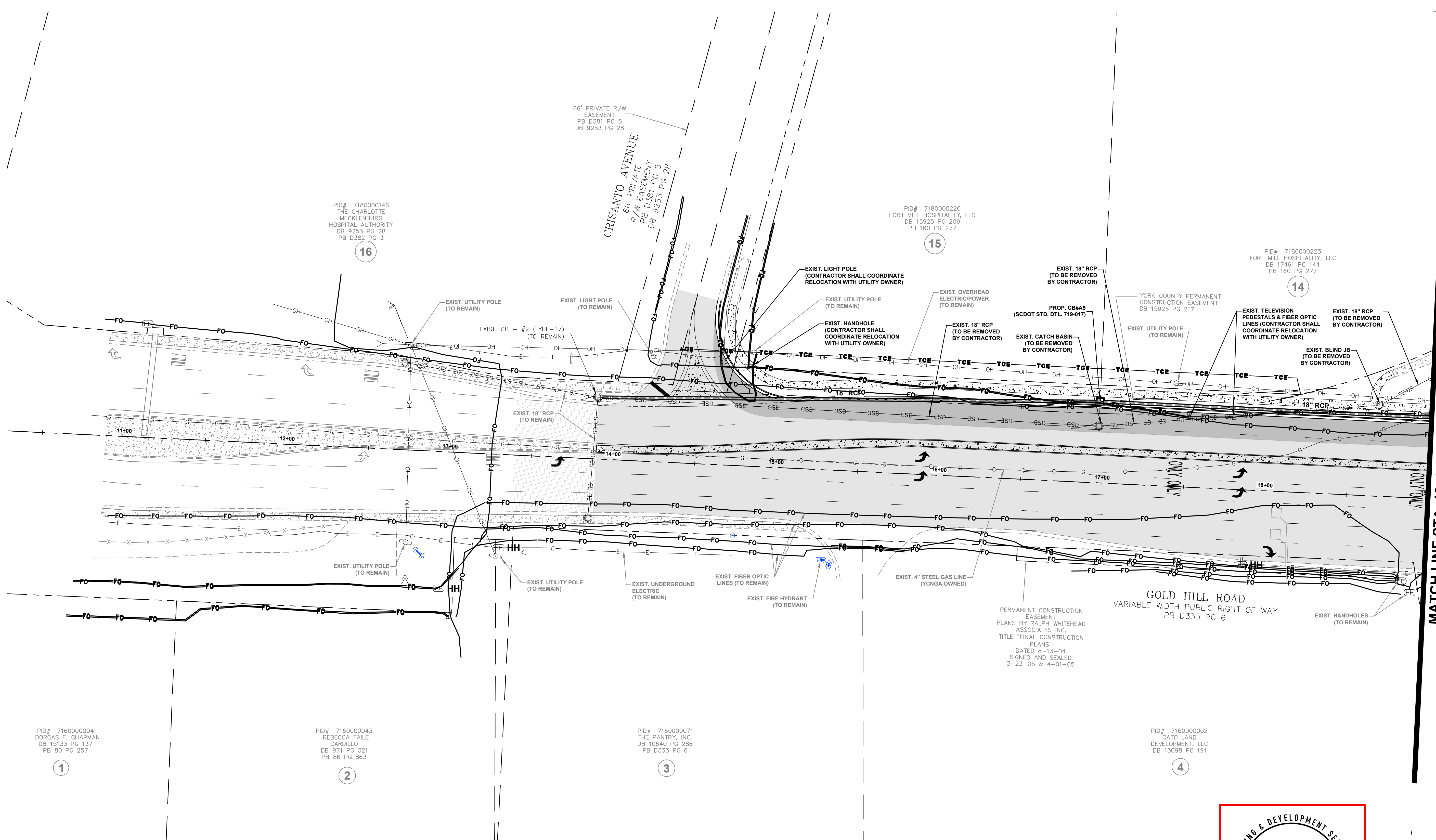


**POST-DEVELOPMENT STORM SYSTEM PROFILES - SHEET 2 OF 2**  
**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS**  
 FORT MILL SCHOOL DISTRICT YORK COUNTY, SC

PROJECT INFORMATION	
PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CGB
DRAWN BY:	DJH/CGB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C4.7</b>



V:\113.00 - final eubanks campus - utility road improvements\_KT13-05-UTL.dwg ROADWAY UTILITY PLAN - SHEET 1 OF 4, NUMBER



MATCH LINE STA. 19+00 - SEE SHEET C5.1

PID# 716000004  
DORCAS F. CHAPMAN  
DB 15133 PG 137  
PB 80 PG 257

PID# 7160000043  
REBECCA FAILE  
CARDILLO  
DB 971 PG 321  
PB 86 PG 863

PID# 7160000071  
THE PANTRY, INC.  
DB 10640 PG 286  
PB D333 PG 6

PID# 7160000002  
CATO LAND  
DEVELOPMENT, LLC  
DB 13098 PG 191

PID# 7180000146  
THE CHARLOTTE  
MECKLENBURG  
HOSPITAL AUTHORITY  
DB 9253 PG 28  
PB D382 PG 3

66' PRIVATE R/W  
EASEMENT  
PB D381 PG 5  
DB 9253 PG 28

66' PRIVATE  
R/W EASEMENT  
PB D381 PG 5  
DB 9253 PG 28

PID# 7180000220  
FORT MILL HOSPITALITY, LLC  
DB 15925 PG 209  
PB 160 PG 277

PID# 7180000223  
FORT MILL HOSPITALITY, LLC  
DB 17461 PG 144  
PB 160 PG 277

**YORK COUNTY UTILITY AND GRADING NOTES:**

CONTRACTOR TO FIELD VERIFY DEPTH OF THE EXISTING WATERLINE LOCATED WITHIN THE SCOPE OF THE WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE WATERLINE AND ASSOCIATED APPURTENANCES DURING ALL CONSTRUCTION ACTIVITIES. ANY DAMAGE WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. PER YORK COUNTY STANDARDS, ALL LINES MUST MAINTAIN A MINIMUM OF 3' OF COVER. ALL WATERLINE VALVES MUST BE BROUGHT UP TO BE FLUSH WITH FINISHED GRADE AND ANY VALVES THAT WILL BE UNDER THE PAVEMENT MUST HAVE HEAVY DUTY TRAFFIC RATED VALVE LIDS. A YORK COUNTY UTILITY INSPECTOR MUST BE ON SITE DURING THE FIELD VERIFICATION, FOR ANY GRADING OVER ANY YORK COUNTY UTILITIES AND DURING ANY WORK ON ANY PART OF THE EXISTING WATERLINE. PLEASE CALL 803-864-8571 24 HOURS IN ADVANCE TO SCHEDULE THESE INSPECTIONS.

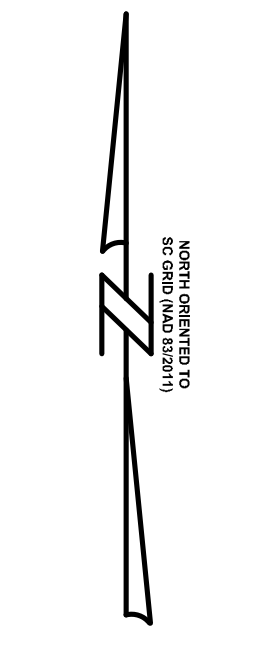
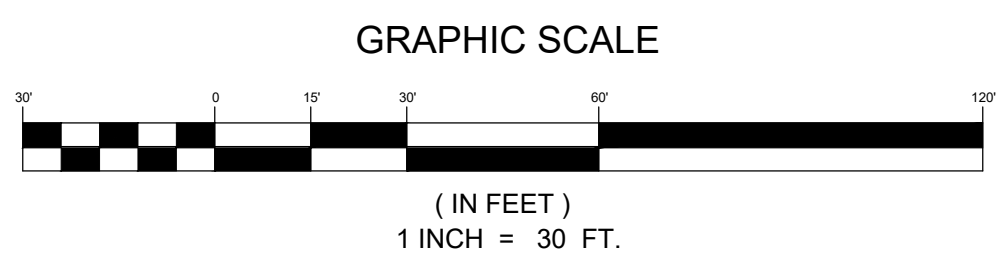
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  - EXISTING TOPOGRAPHICAL DATA OBTAINED FROM "TOPOGRAPHIC SURVEY FMSD ELEMENTARY SCHOOL NO. 12, MIDDLE SCHOOL NO. 7 (EUBANKS)" BY ESP ASSOCIATES, DATED OCTOBER 9, 2023.
  - BENCHMARK:  
IS REBAR  
SC GRID COORDINATES  
NAD 83/2011  
N:1,174,458.88'  
E:2,013,869.45'  
EL:834.21 (NAVD 88)
  - BENCHMARK:  
R/W DISC  
SC GRID COORDINATES  
NAD 83/2011  
N:1,174,359.22'  
E:2,014,652.82'  
EL:598.90' (NAVD 88)

**LEGEND**

UNDERGROUND ELECTRIC	—E—E—E—
UNDERGROUND GAS LINE	—G—G—G—
FIBER OPTIC LINE	—FO—FO—
WATERLINE	—W—W—W—
OVERHEAD UTILITIES	—OH—OH—
STORM DRAIN PIPE	—SD—SD—
FIRE HYDRANT	⊕
UTILITY POLE	⊙
TELEVISION PEDESTAL	⊕
LIGHT POLE	⊕
HANDHOLE	⊕
EXIST. PAVEMENT (VAR. MILLING & OVERLAY)	▒
FULL DEPTH PAVEMENT	▒
ASPHALT MILLING TRANSITION	▒



ESP Associates, Inc.  
P.O. Box 7030  
Charlotte, NC 28241  
3475 Lakemont Blvd.  
Fort Mill, SC 29708  
704-583-4949 (NC)  
803-802-2440 (SC)  
www.espassociates.com

ESP ASSOCIATES, INC.  
No. 5839

Alan C. Turley  
No. 030911

NO.	DATE	REVISION	BY	RC	COMMENTS
1.	3/20/2024	REVISED PER SCDOT AND YORK COUNTY COMMENTS			

ROADWAY UTILITY PLAN - SHEET 1 OF 4

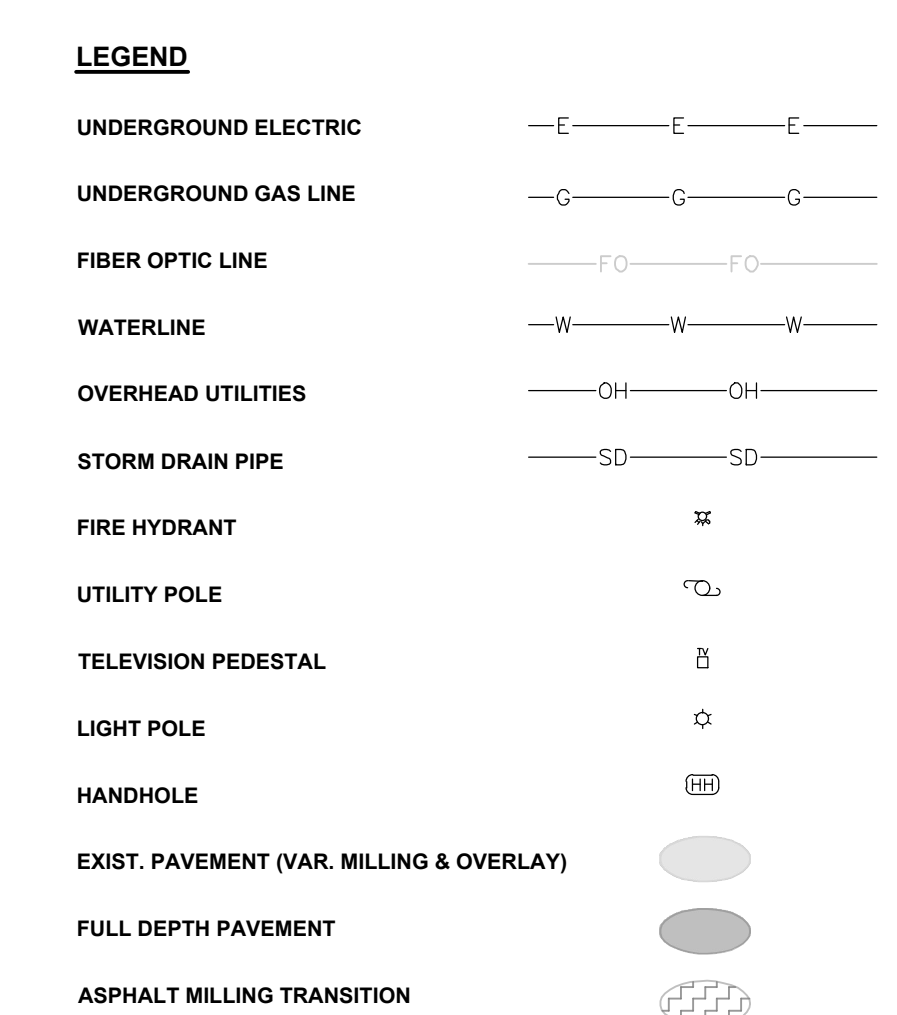
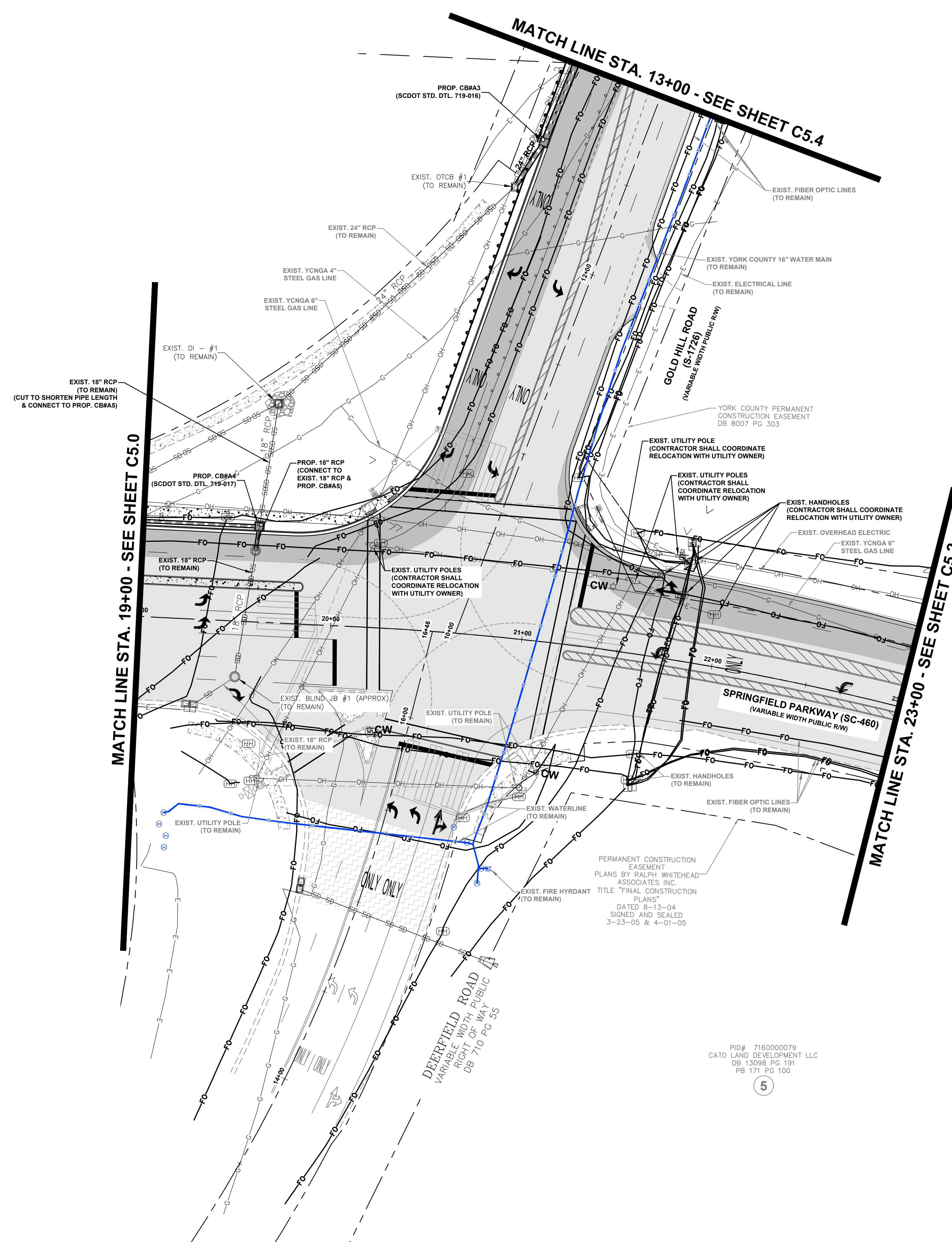
GOLD HILL ROAD & SPRINGFIELD PKWY.  
INTERSECTION IMPROVEMENTS

FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

PROJECT INFORMATION	
PROJECT MANAGER:	RC
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C5.0</b>



V:\113.00 - Roadway Utility Plan - Roadway Utility Plan - SHEET 2 OF 4 - 11/19/2024



- EXISTING CONDITIONS NOTES:**
- CONTRACTOR TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO DEMOLITION.
  - ANY EXISTING UTILITIES WHICH HAVE LESS THAN 3 FEET OF COVER SHALL BE RELOCATED TO HAVE AT LEAST 3 FEET OF COVER.
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  - BENCHMARK:
    - #5 REBAR
    - SC GRID COORDINATES
    - NAD 83/2011
    - N: 1,174,450.38'
    - E: 2,013,609.45'
    - EL: 634.21 (NAVD 88)
- BENCHMARK:
  - RW DISC
  - SC GRID COORDINATES
  - NAD 83/2011
  - N: 1,174,399.22'
  - E: 2,014,652.82'
  - EL: 598.90' (NAVD 88)

**YORK COUNTY UTILITY AND GRADING NOTES:**

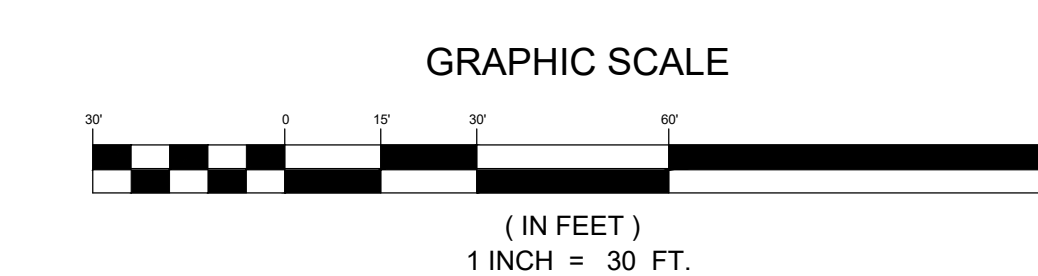
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PERMANENT CONSTRUCTION EASEMENT PLANS BY RALPH WHITEHEAD ASSOCIATES, INC. TITLE "FINAL CONSTRUCTION PLANS" DATED 8-13-04 SIGNED AND SEALED 3-23-05 & 4-01-05

PID# 7160000079  
CATO LAND DEVELOPMENT LLC  
DB 13098 PG 191  
PB 171 PG 100



ESP Associates, Inc.  
P.O. Box 7030  
Charlotte, NC 28241  
3475 Lakemont Blvd.  
Fort Mill, SC 29708  
704-583-4949 (NC)  
803-802-2440 (SC)  
www.espassociates.com

ESP ASSOCIATES, INC.  
No. 5839

R. A. N. C. TURLEY, INC.  
No. 030911

NO.	DATE	REVISION	BY	RC
1.	3/20/2024	REVISED PER SCDOT AND YORK COUNTY COMMENTS		

**ROADWAY UTILITY PLAN - SHEET 2 OF 4**

**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS**

FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

PROJECT INFORMATION

PROJECT MANAGER: RCT

DESIGNED BY: DJH/CEB

DRAWN BY: DJH/CEB

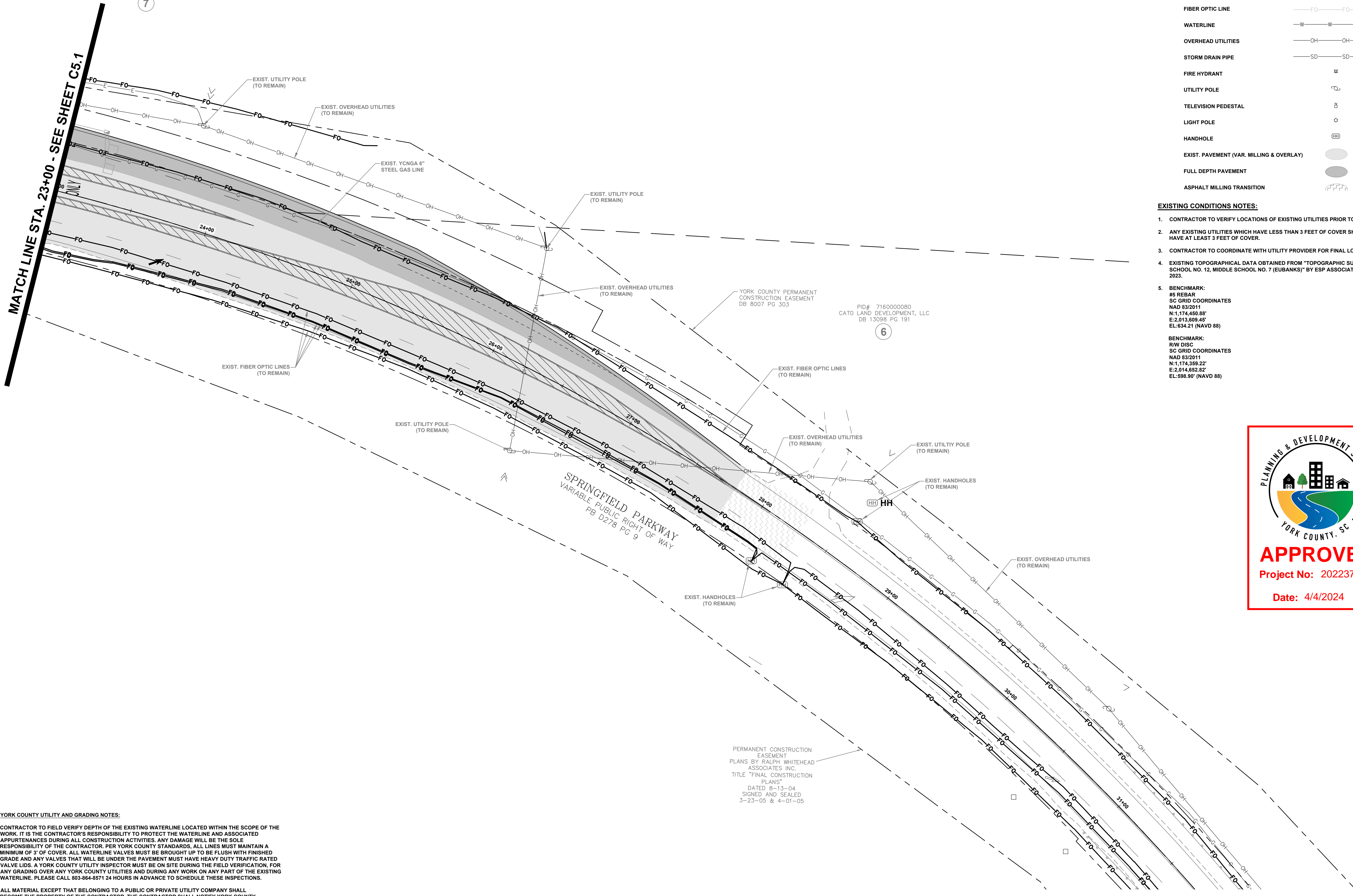
PROJECT NUMBER: KT13.400

ORIGINAL DATE: 1/19/2024

SHEET: **C5.1**

PID# 718000060  
OWSLEY ENTERPRISES  
PB 45 PG 193

MATCH LINE STA. 23+00 - SEE SHEET C5.1



**LEGEND**

UNDERGROUND ELECTRIC	—E—E—E—
UNDERGROUND GAS LINE	—G—G—G—
FIBER OPTIC LINE	—FO—FO—
WATERLINE	—W—W—W—
OVERHEAD UTILITIES	—OH—OH—
STORM DRAIN PIPE	—SD—SD—
FIRE HYDRANT	⊕
UTILITY POLE	⊙
TELEVISION PEDESTAL	⊕
LIGHT POLE	⊙
HANDHOLE	⊕
EXIST. PAVEMENT (VAR. MILLING & OVERLAY)	⊕
FULL DEPTH PAVEMENT	⊕
ASPHALT MILLING TRANSITION	⊕

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  - BENCHMARK:  
#6 REBAR  
SC GRID COORDINATES  
NAD 83/2011  
N:1,174,450.88'  
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EL:634.21 (NAVD 88)
- BENCHMARK:  
RW DISC  
SC GRID COORDINATES  
NAD 83/2011  
N:1,174,359.22'  
E:2,014,652.52'  
EL:598.90 (NAVD 88)

PID# 716000080  
CATO LAND DEVELOPMENT, LLC  
DB 13098 PG 191

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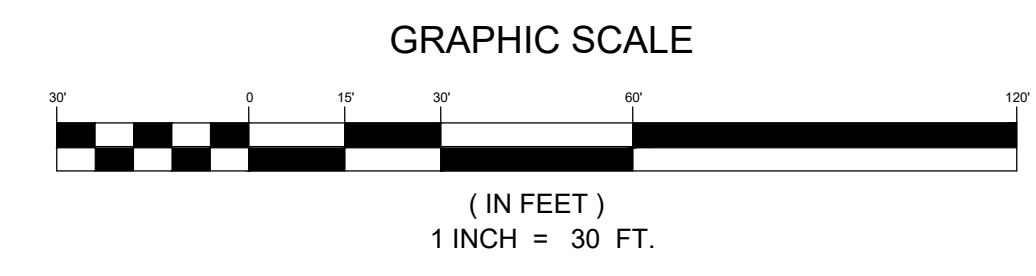


**YORK COUNTY UTILITY AND GRADING NOTES:**

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3475 Lakemont Blvd.  
Fort Mill, SC 29708  
704-583-4949 (NC)  
803-802-2440 (SC)  
www.espassociates.com

**ESP**

SOUTH CAROLINA  
ESP ASSOCIATES, INC.  
No. 5839  
CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA  
No. 030911  
R. AN C. TURLEY

NO.	DATE	REVISION	BY	RC	COMMENTS
1.	3/20/2024	REVISED PER SCDOT AND YORK COUNTY COMMENTS			

**ROADWAY UTILITY PLAN - SHEET 3 OF 4**

**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS**

FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

**PROJECT INFORMATION**

PROJECT MANAGER: RCT  
DESIGNED BY: DJH/CEB  
DRAWN BY: DJH/CEB  
PROJECT NUMBER: KT13.400  
ORIGINAL DATE: 1/19/2024

SHEET: **C5.2**

V:\113.400 - final eubanks campus - utility road improvements - KT13.400-UTIL.dwg ROADWAY UTILITY PLAN - SHEET 3 OF 4 - NUMBER

**LEGEND**

UNDERGROUND ELECTRIC	
UNDERGROUND GAS LINE	
FIBER OPTIC LINE	
WATERLINE	
OVERHEAD UTILITIES	
STORM DRAIN PIPE	
FIRE HYDRANT	
UTILITY POLE	
TELEVISION PEDESTAL	
LIGHT POLE	
HANDHOLE	
EXIST. PAVEMENT (VAR. MILLING & OVERLAY)	
FULL DEPTH PAVEMENT	
ASPHALT MILLING TRANSITION	

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#8 REBAR  
SC GRID COORDINATES  
NAD 83/2011  
N: 1,174,450.88'  
E: 2,013,609.45'  
EL: 634.21 (NAVD 88)

BENCHMARK:  
RW DISC  
SC GRID COORDINATES  
NAD 83/2011  
N: 1,174,359.22'  
E: 2,014,552.82'  
EL: 598.90' (NAVD 88)

PID# 718000222  
GO STORE IT CHARLOTTE FT  
MILL, LLC ETAL  
DB 19992 PG 96

CRISANTO AVENUE  
66' PRIVATE  
R/W EASEMENT  
PB D381 PG 5  
DB 9253 PG 28

PID# 718000221  
FORTSPORT DEVELOPMENT, LLC  
DB 15944 PG 168  
PB 152 PG 41

PID# 718000060  
OWSLEY ENTERPRISES  
PB 45 PG 193

**YORK COUNTY UTILITY AND GRADING NOTES:**

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V:\113.00 - final eubanks campus - utility road improvements\_KT13-Sheet\KT13-05-UTIL.dwg ROADWAY UTILITY PLAN - SHEET 4 OF 4, NUMBER

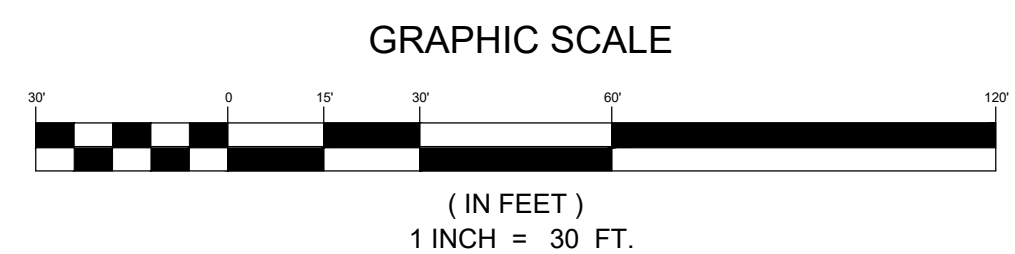
MATCH LINE STA. 13+00 -  
SEE SHEET C5.1

12

13

7

**APPROVED**  
Project No: 20223708  
Date: 4/4/2024



ESP Associates, Inc.  
P.O. Box 7030  
Charlotte, NC 28241  
3475 Lakemont Blvd.  
Fort Mill, SC 29708  
704-583-4949 (NC)  
803-802-2440 (SC)  
www.espassociates.com

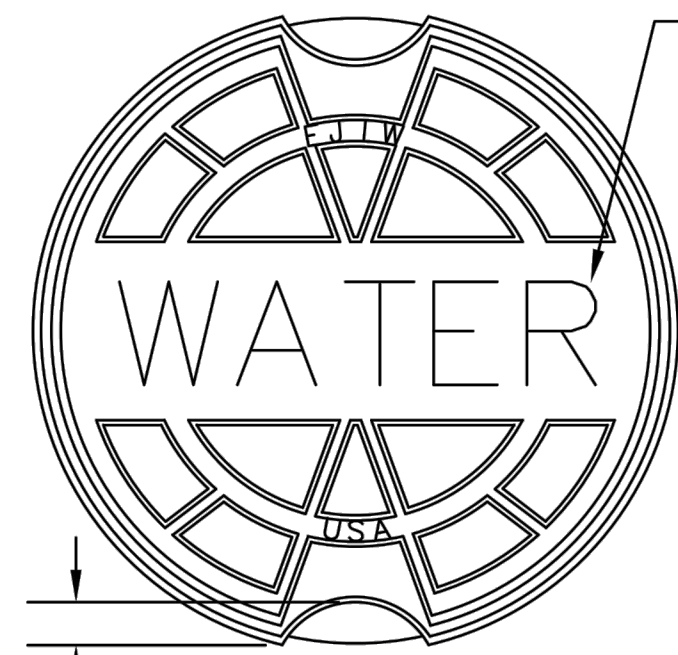


NO.	DATE	REVISION	BY	RC	COMMENTS
1.	3/20/2024	REVISED PER SCDOT AND YORK COUNTY COMMENTS			

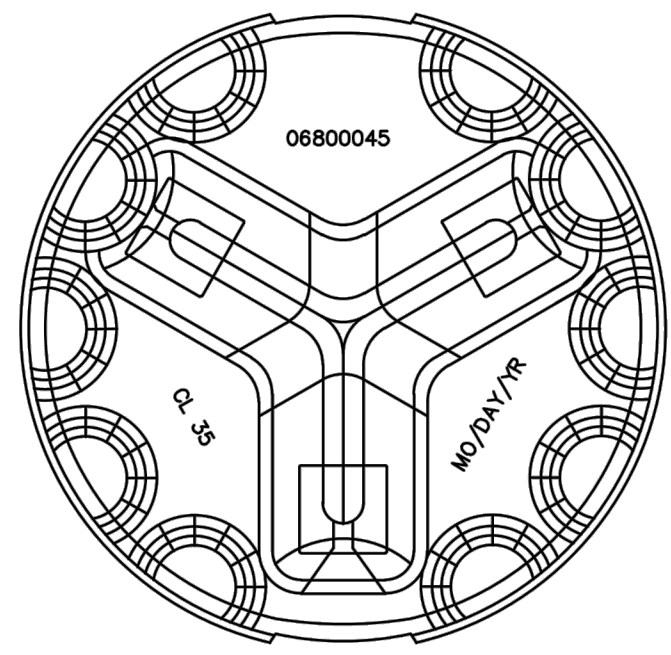
**ROADWAY UTILITY PLAN - SHEET 4 OF 4**  
**GOLD HILL ROAD & SPRINGFIELD PKWY.**  
**INTERSECTION IMPROVEMENTS**  
FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

**PROJECT INFORMATION**

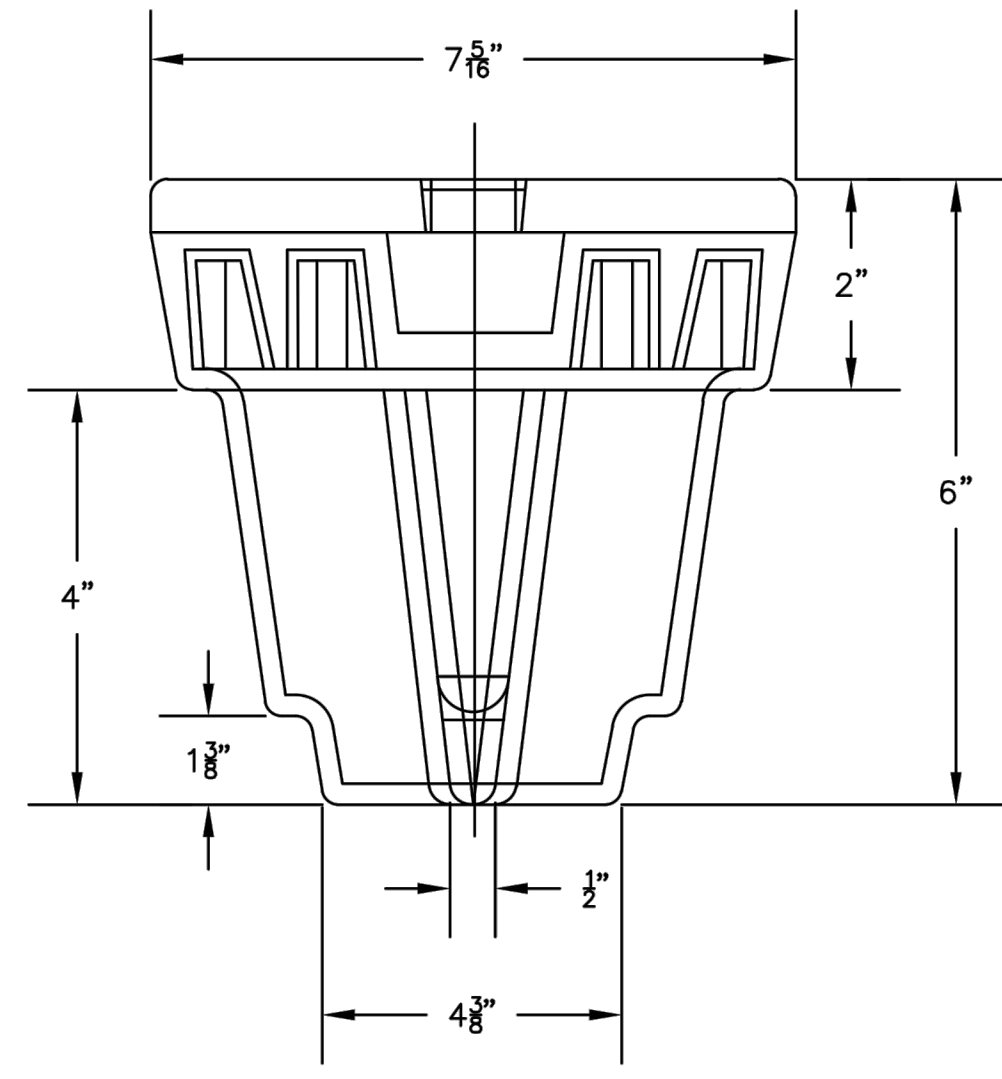
PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C5.3</b>



1" RAISED LETTERING



BOTTOM VIEW  
N.T.S.



SIDE VIEW  
N.T.S.

- NOTES:
- 5 1/2" DROP-LID WITH 4" SKIRT.
  - HEAVY-DUTY RATING ASTM A48 CL35.

REVISIONS		
NO.	DATE	DESCRIPTION

YORK COUNTY  
ENGINEERING  
STANDARDS

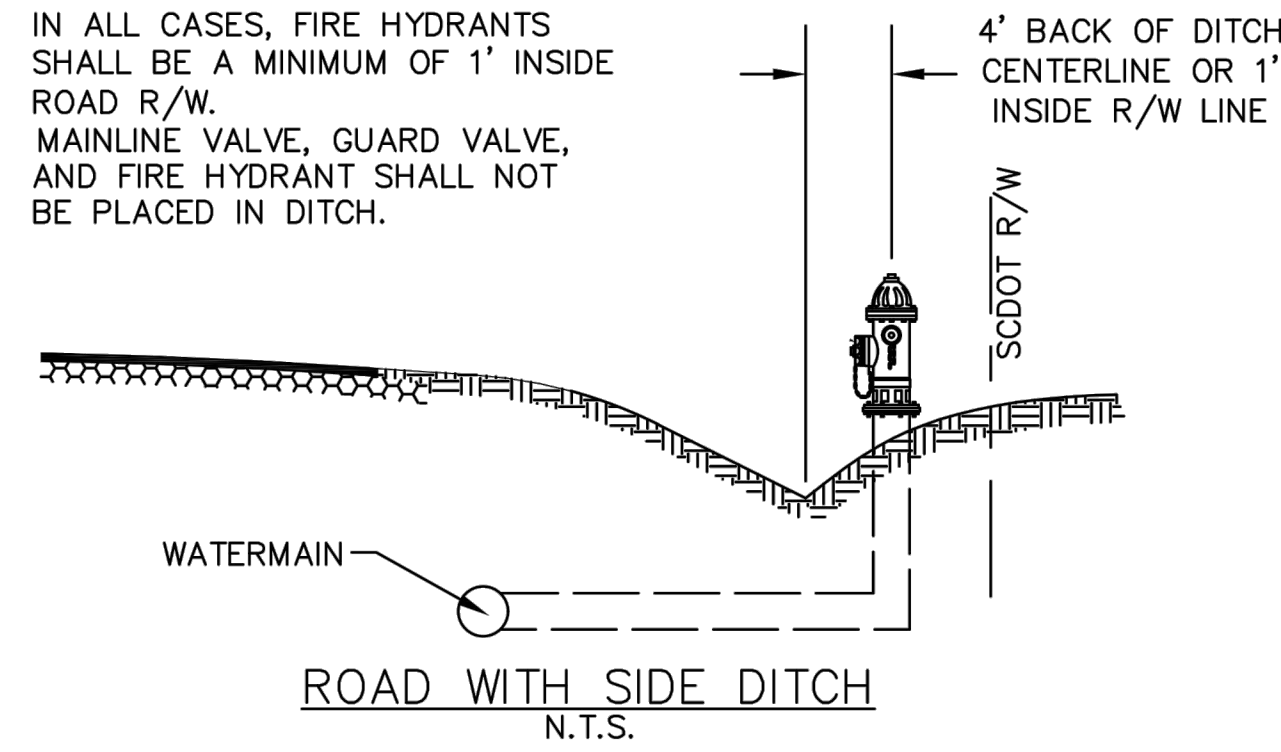


WATER VALVE  
HEAVY DUTY LID

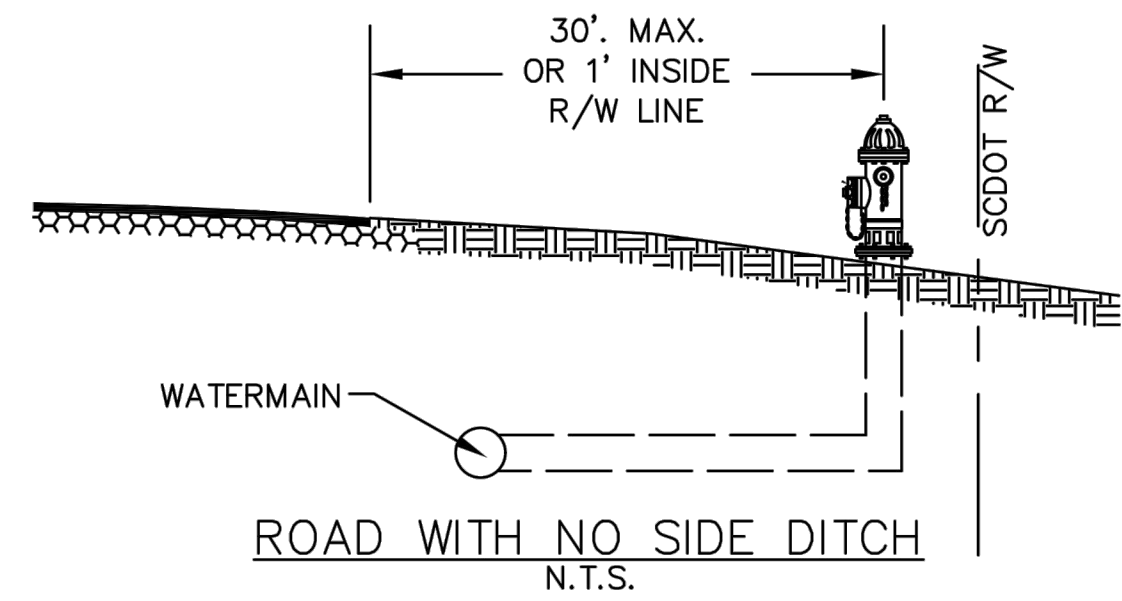
STD. NO.	11.03
DATE	09/06

NOTES:

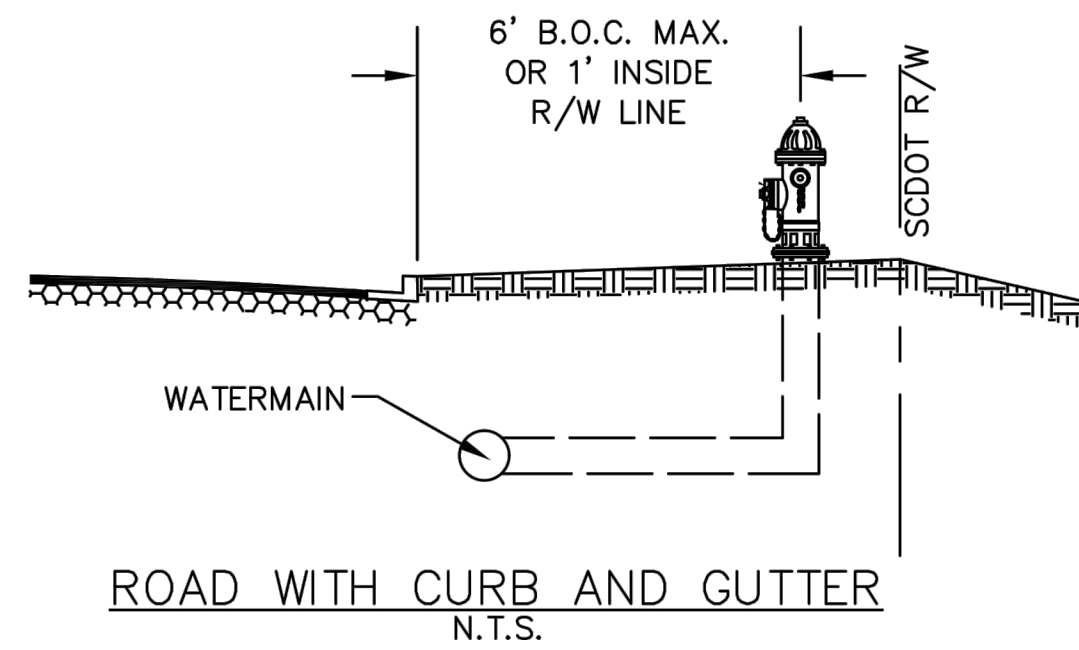
- IN ALL CASES, FIRE HYDRANTS SHALL BE A MINIMUM OF 1' INSIDE ROAD R/W.
- MAINLINE VALVE, GUARD VALVE, AND FIRE HYDRANT SHALL NOT BE PLACED IN DITCH.



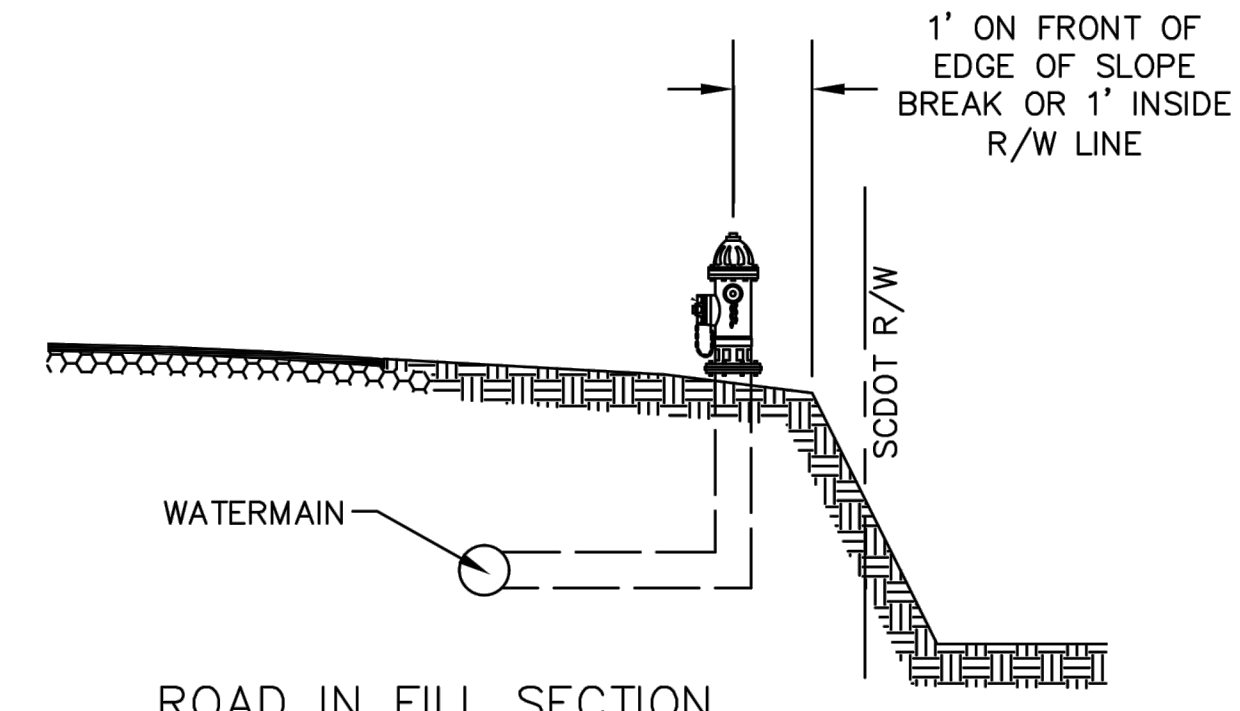
ROAD WITH SIDE DITCH  
N.T.S.



ROAD WITH NO SIDE DITCH  
N.T.S.



ROAD WITH CURB AND GUTTER  
N.T.S.



ROAD IN FILL SECTION  
N.T.S.

REVISIONS		
NO.	DATE	DESCRIPTION
1	8/19	STANDARDS UPDATE

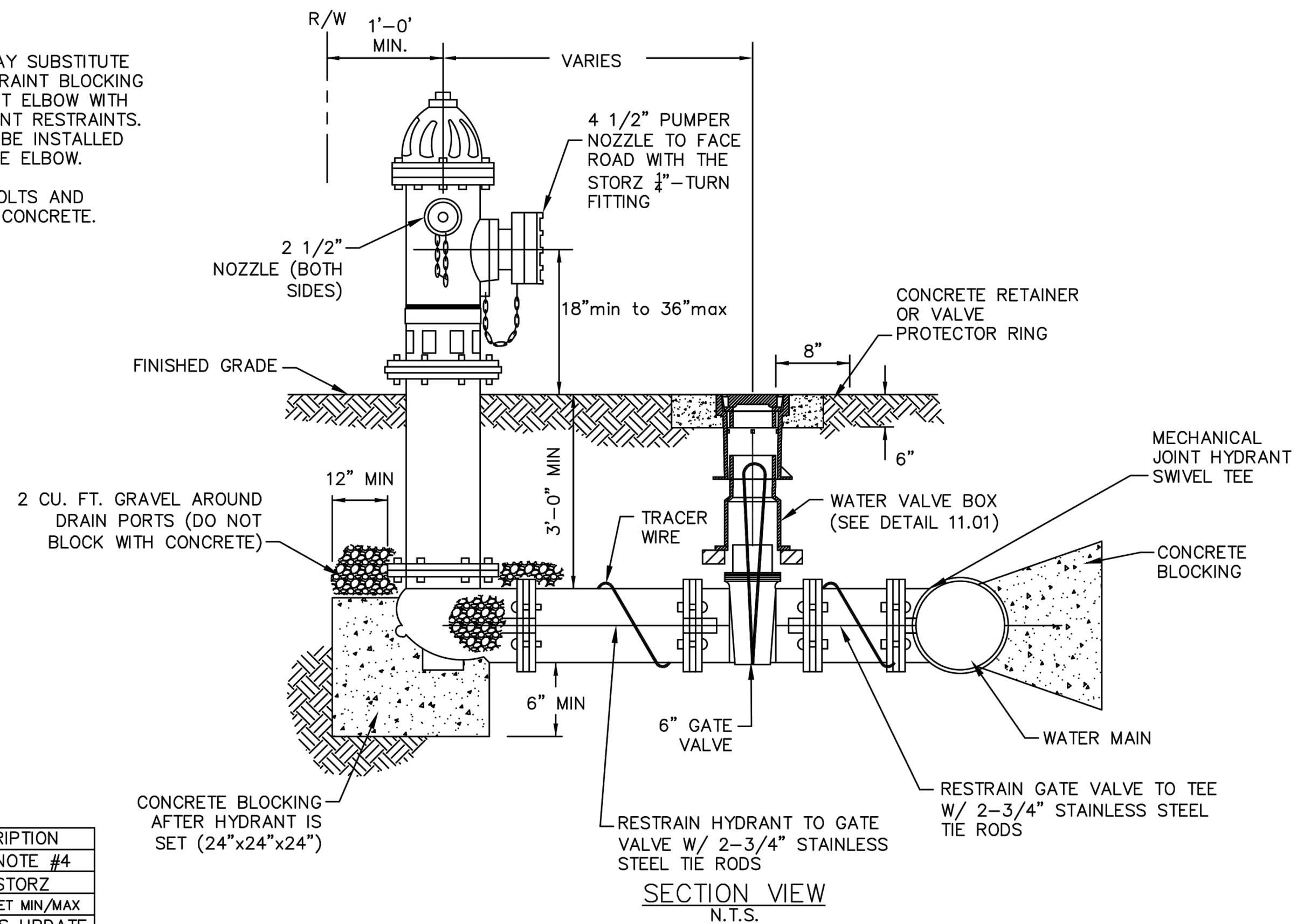
YORK COUNTY  
ENGINEERING  
STANDARDS

FIRE HYDRANT  
LOCATION WITHIN SCDOT R/W

STD. NO.	11.07
DATE	08/19

NOTES:

- CONTRACTOR MAY SUBSTITUTE CONCRETE RESTRAINT BLOCKING AT THE HYDRANT ELBOW WITH MECHANICAL JOINT RESTRAINTS. A BLOCK MUST BE INSTALLED TO SUPPORT THE ELBOW.
- PROTECT ALL BOLTS AND THREADS FROM CONCRETE.



SECTION VIEW  
N.T.S.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/09	ADDED NOTE #4
2	8/10	ADDED STORZ
3	10/14	PUMPER OUTLET MIN/MAX
4	8/19	STANDARDS UPDATE

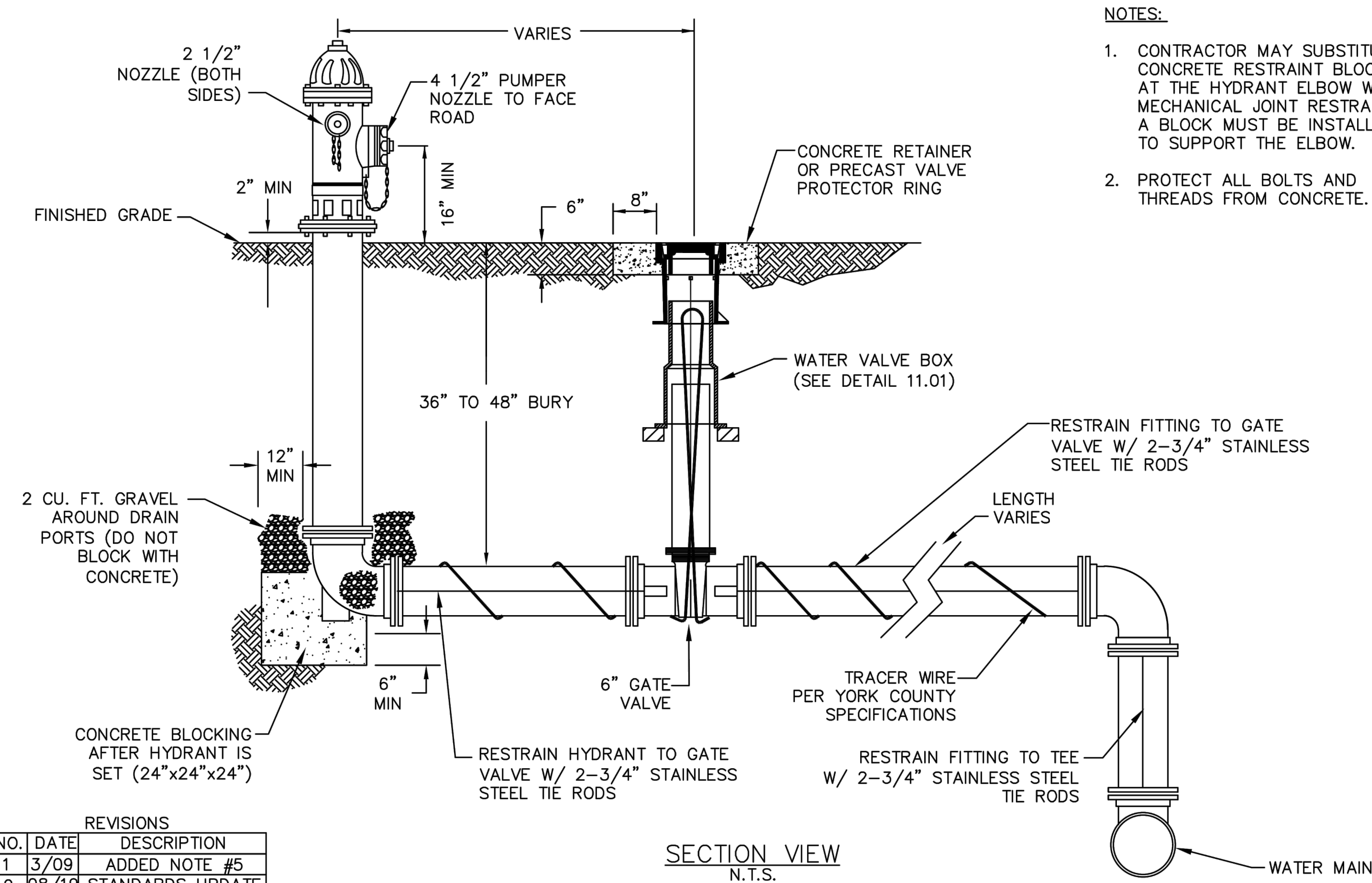
YORK COUNTY  
ENGINEERING  
STANDARDS

FIRE HYDRANT  
STANDARD DETAIL

STD. NO.	11.08
DATE	8/19

NOTES:

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- PROTECT ALL BOLTS AND THREADS FROM CONCRETE.



SECTION VIEW  
N.T.S.

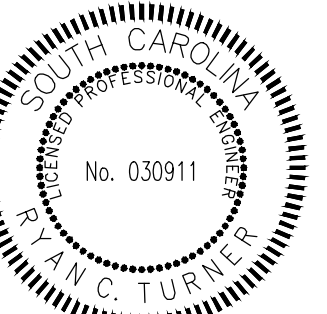
REVISIONS		
NO.	DATE	DESCRIPTION
1	3/09	ADDED NOTE #5
2	08/19	STANDARDS UPDATE

YORK COUNTY  
ENGINEERING  
STANDARDS

FIRE HYDRANT  
DEEP-BURY DETAIL

STD. NO.	11.09
DATE	08/19

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P.O. Box 7030  
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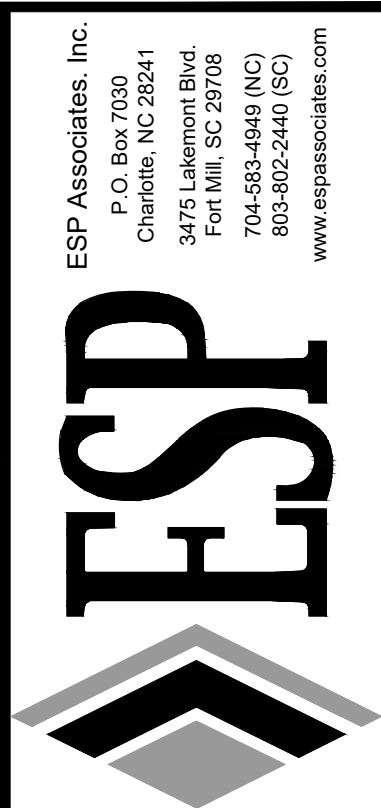
NO.	DATE	REVISION

WATER DETAILS  
GOLD HILL ROAD & SPRINGFIELD PKWY.  
INTERSECTION IMPROVEMENTS  
YORK COUNTY, SC  
FORT MILL SCHOOL DISTRICT

PROJECT INFORMATION	
PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	3/20/2024
SHEET:	C5.4



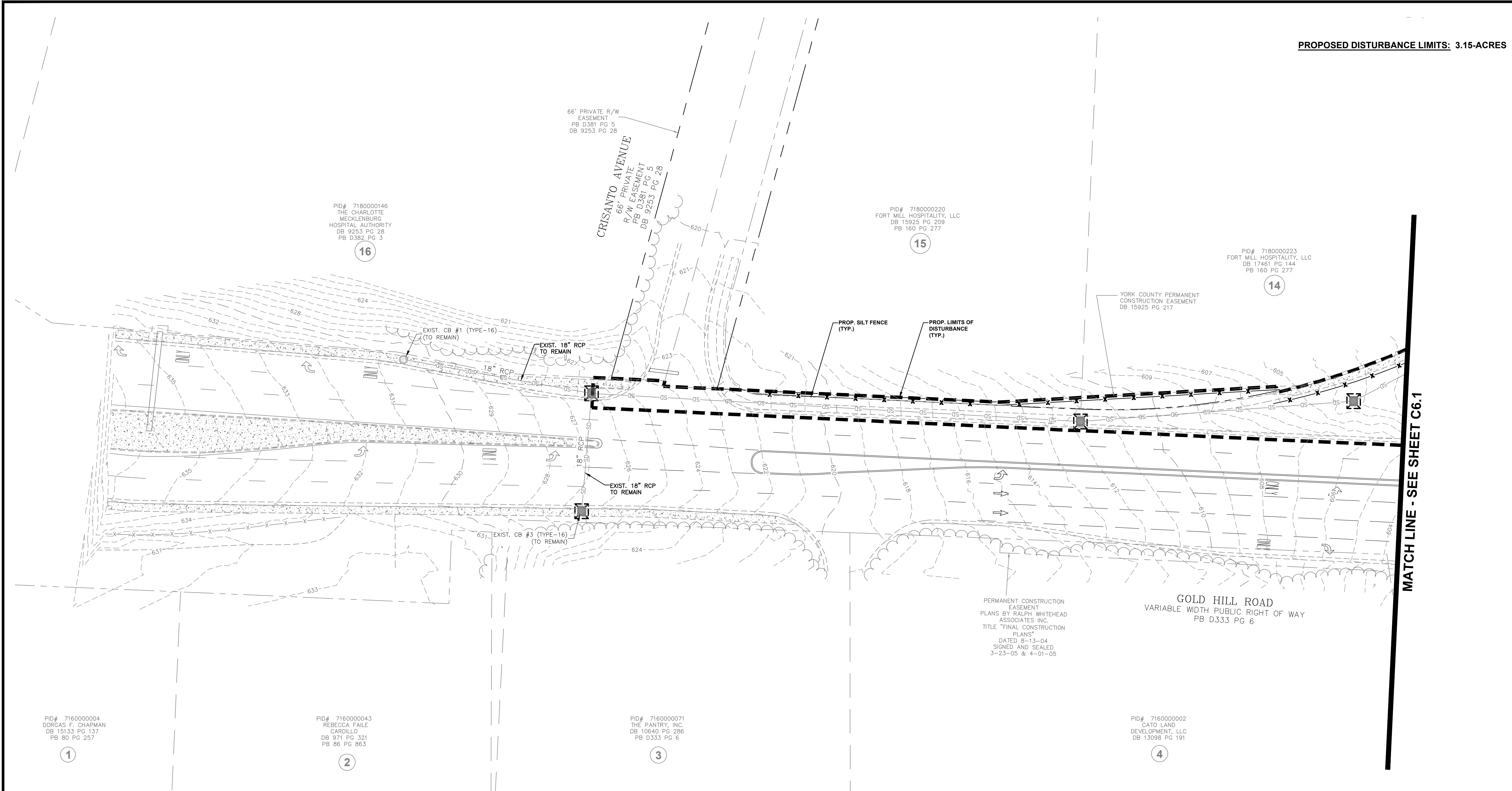
V:\KT13.400 - FMSD Edwards Campus - Office Road Improvements\KT13.400-WATER-DTLs.dwg, W10 WATER DETAILS.rvt



NO.	DATE	REVISION	BY

**EROSION CONTROL PHASE 1 PLAN - SHEET 1 OF 4**  
**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS**  
 FORT MILL SCHOOL DISTRICT YORK COUNTY, SC

PROJECT INFORMATION	
PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	3/20/2024
SHEET:	<b>C6.0</b>



PID# 7160000004  
DORCAS F. CHAPMAN  
DB 15133 PG 137  
PB 80 PG 257

PID# 7160000043  
REBECCA FAILE  
CARDILLO  
DB 971 PG 321  
PB 86 PG 863

PID# 7160000071  
THE PANTRY, INC.  
DB 10640 PG 286  
PB D333 PG 6

PID# 7160000002  
CATO LAND  
DEVELOPMENT, LLC  
DB 13098 PG 191

PID# 7180000146  
THE CHARLOTTE  
MECKLENBURG  
HOSPITAL AUTHORITY  
DB 9253 PG 28  
PB D382 PG 3

66' PRIVATE R/W  
EASEMENT  
PB D381 PG 5  
DB 9253 PG 28

66' PRIVATE  
R/W EASEMENT  
PB D381 PG 5  
DB 9253 PG 28

PID# 7180000220  
FORT MILL HOSPITALITY, LLC  
DB 15925 PG 209  
PB 160 PG 277

PID# 7180000223  
FORT MILL HOSPITALITY, LLC  
DB 17461 PG 144  
PB 160 PG 277

YORK COUNTY PERMANENT  
CONSTRUCTION EASEMENT  
DB 15925 PG 217

PERMANENT CONSTRUCTION  
EASEMENT  
PLANS BY RALPH WHITEHEAD  
ASSOCIATES INC.  
TITLE "FINAL CONSTRUCTION  
PLANS"  
DATED 8-13-04  
SIGNED AND SEALED  
3-23-05 & 4-01-05

GOLD HILL ROAD  
VARIABLE WIDTH PUBLIC RIGHT OF WAY  
PB D333 PG 6

**LEGEND**

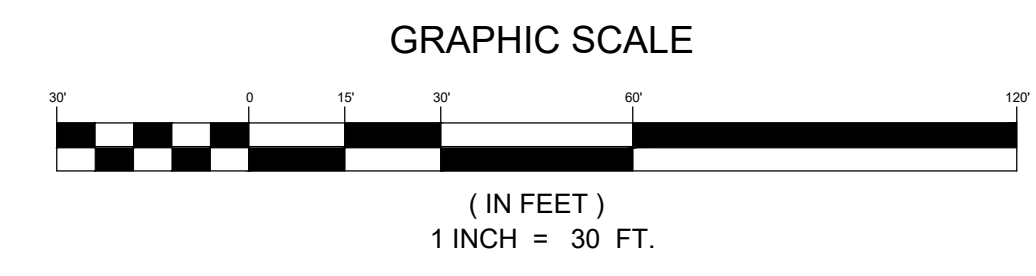
- EXIST. MAJOR CONTOUR
- EXIST. MINOR CONTOUR
- PROP. MAJOR CONTOUR
- PROP. MINOR CONTOUR
- PROP. DISTURBANCE LIMITS
- PROP. DRAINAGE AREA
- TEMP. SILT FENCE (SCDOT STD. DWG. NO. 815-605-00)
- PROP. TREE PROTECTION FENCE
- PROP. ROCK CHECK DAM
- PROP. ROCK SILT FENCE OUTLET
- TEMP. HARDWARE, FABRIC AND STONE INLET PROTECTION (SCDOT STD. DWG. NO. 815-002-00)
- TEMP. INLET PROTECTION (SCDOT STD. DWG. NO. 815-005-00)
- PROP. EROSION CONTROL BLANKET

**DEMOLITION NOTES:**

1. ALL NECESSARY PERMITS FOR DEMOLITION SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO BEGINNING WORK. CONTRACTOR SHALL PROTECT ALL ADJACENT LANDS FROM DAMAGE DURING DEMOLITION WORK. ANY OFF-SITE AREAS DISTURBED SHALL BE RETURNED TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING CONDITION.
2. NO DEMOLITION EXPOSING SOILS PRIOR TO PRE-CONSTRUCTION MEETING.
3. DEMOLITION MATERIALS NOT SUITABLE FOR FILL MATERIAL SHALL BE LEGALLY DISPOSED OF OFF-SITE. ALL DEBRIS SHALL BE HAULED OFF-SITE TO A DISPOSAL AREA APPROVED BY THE STATE OF SOUTH CAROLINA FOR THE HANDLING OF DEMOTION DEBRIS.
4. ALL MATERIAL EXCEPT THAT BELONGING TO A PUBLIC OR PRIVATE UTILITY COMPANY SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY YORK COUNTY NATURAL GAS, THE TOWN OF FORT MILL, YORK ELECTRIC COOPERATIVE, AND DUKE POWER WHEN WATER, GAS, AND ELECTRIC METERS ARE READY FOR REMOVAL AND SHALL BE RESPONSIBLE FOR DISCONNECTING ALL UTILITIES IN COMPLIANCE WITH YORK COUNTY REQUIREMENTS.
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6. CONSTRUCTION ENTRANCE AND PERIMETER EROSION CONTROL MEASURES, SUCH AS SILT FENCE, PER THE APPROVED EROSION CONTROL PLANS SHALL BE INSTALLED PRIOR TO DEMOLITION OPERATIONS.
7. NECESSARY BARRICADES, SUFFICIENT LIGHTS, SIGNS, AND OTHER TRAFFIC CONTROL METHODS AS MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC SHALL BE PROVIDED AND MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.




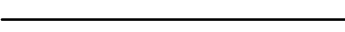









**EROSION CONTROL SEQUENCE:**

1. AS STORM DRAINAGE SYSTEMS ARE CONSTRUCTED, INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY AT EACH INLET. PROTECT EACH INLET OF STORM DRAINAGE SYSTEM UNTIL AREAS CONTRIBUTING TO EACH INLET ARE PERMANENTLY STABILIZED.
2. STABILIZE SITE AS AREAS ARE BROUGHT TO FINISHED GRADE.
3. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES.
4. COMPLETE STORM DRAINAGE SYSTEM.
5. BEGIN FINE GRADING, ROAD INSTALLATION, AND PAVING.
6. ALL INTERNAL STREETS ON SITE ARE TO REMAIN FREE OF SEDIMENT TO REDUCE THE POTENTIAL FOR TRACK-OUT ON TO PUBLIC STREETS.
7. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION), AND BOOK OF STANDARD DRAWINGS FOR ROAD CONSTRUCTION.
8. COORDINATE WITH EROSION CONTROL INSPECTOR PRIOR TO THE REMOVAL OF EROSION CONTROL MEASURES.





**LEGEND**

- EXIST. MAJOR CONTOUR 
- EXIST. MINOR CONTOUR 
- PROP. MAJOR CONTOUR 
- PROP. MINOR CONTOUR 
- PROP. DISTURBANCE LIMITS 
- PROP. DRAINAGE AREA 
- TEMP. SILT FENCE (SCDOT STD. DWG. NO. 815-605-00) 
- PROP. TREE PROTECTION FENCE 
- PROP. ROCK CHECK DAM 
- PROP. ROCK SILT FENCE OUTLET 
- TEMP. HARDWARE, FABRIC AND STONE INLET PROTECTION (SCDOT STD. DWG. NO. 815-002-00) 
- TEMP. INLET PROTECTION (SCDOT STD. DWG. NO. 815-005-00) 
- PROP. EROSION CONTROL BLANKET 

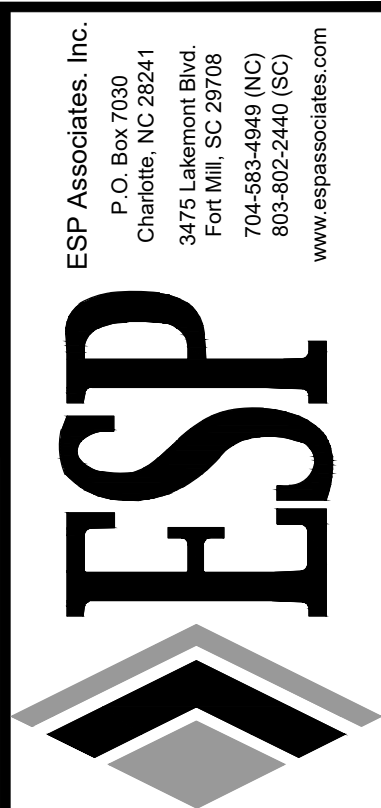
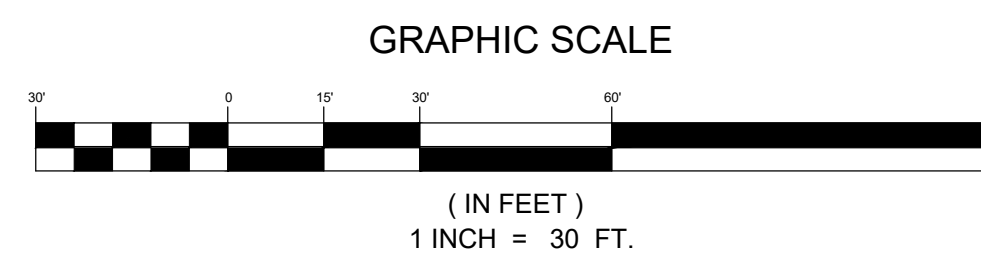
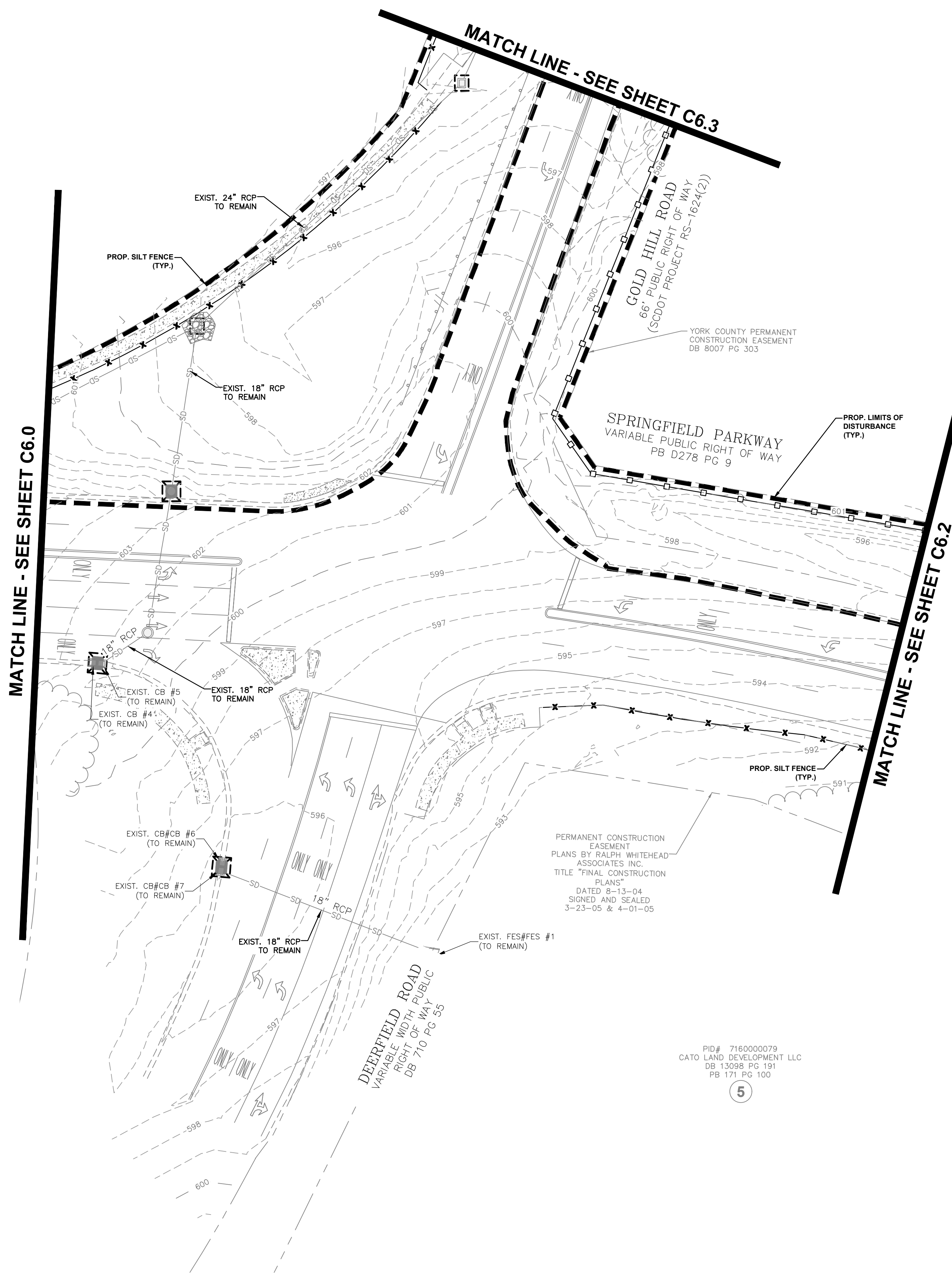
PROPOSED DISTURBANCE LIMITS: 3.15-ACRES

**DEMOLITION NOTES:**

1. ALL NECESSARY PERMITS FOR DEMOLITION SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO BEGINNING WORK. CONTRACTOR SHALL PROTECT ALL ADJACENT LANDS FROM DAMAGE DURING DEMOLITION WORK. ANY OFF-SITE AREAS DISTURBED SHALL BE RETURNED TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING CONDITION.
2. NO DEMOLITION EXPOSING SOILS PRIOR TO PRE-CONSTRUCTION MEETING.
3. DEMOLITION MATERIALS NOT SUITABLE FOR FILL MATERIAL SHALL BE LEGALLY DISPOSED OF OFF-SITE. ALL DEBRIS SHALL BE HAULED OFF-SITE TO A DISPOSAL AREA APPROVED BY THE STATE OF SOUTH CAROLINA FOR THE HANDLING OF DEMOTION DEBRIS.
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7. NECESSARY BARRICADES, SUFFICIENT LIGHTS, SIGNS, AND OTHER TRAFFIC CONTROL METHODS AS MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC SHALL BE PROVIDED AND MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.

**EROSION CONTROL SEQUENCE:**

1. AS STORM DRAINAGE SYSTEMS ARE CONSTRUCTED, INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY AT EACH INLET. PROTECT EACH INLET OF STORM DRAINAGE SYSTEM UNTIL AREAS CONTRIBUTING TO EACH INLET ARE PERMANENTLY STABILIZED.
2. STABILIZE SITE AS AREAS ARE BROUGHT TO FINISHED GRADE.
3. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES.
4. COMPLETE STORM DRAINAGE SYSTEM.
5. BEGIN FINE GRADING, ROAD INSTALLATION, AND PAVING.
6. ALL INTERNAL STREETS ON SITE ARE TO REMAIN FREE OF SEDIMENT TO REDUCE THE POTENTIAL FOR TRACK-OUT ON TO PUBLIC STREETS.
7. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION), AND BOOK OF STANDARD DRAWINGS FOR ROAD CONSTRUCTION.
8. COORDINATE WITH EROSION CONTROL INSPECTOR PRIOR TO THE REMOVAL OF EROSION CONTROL MEASURES.



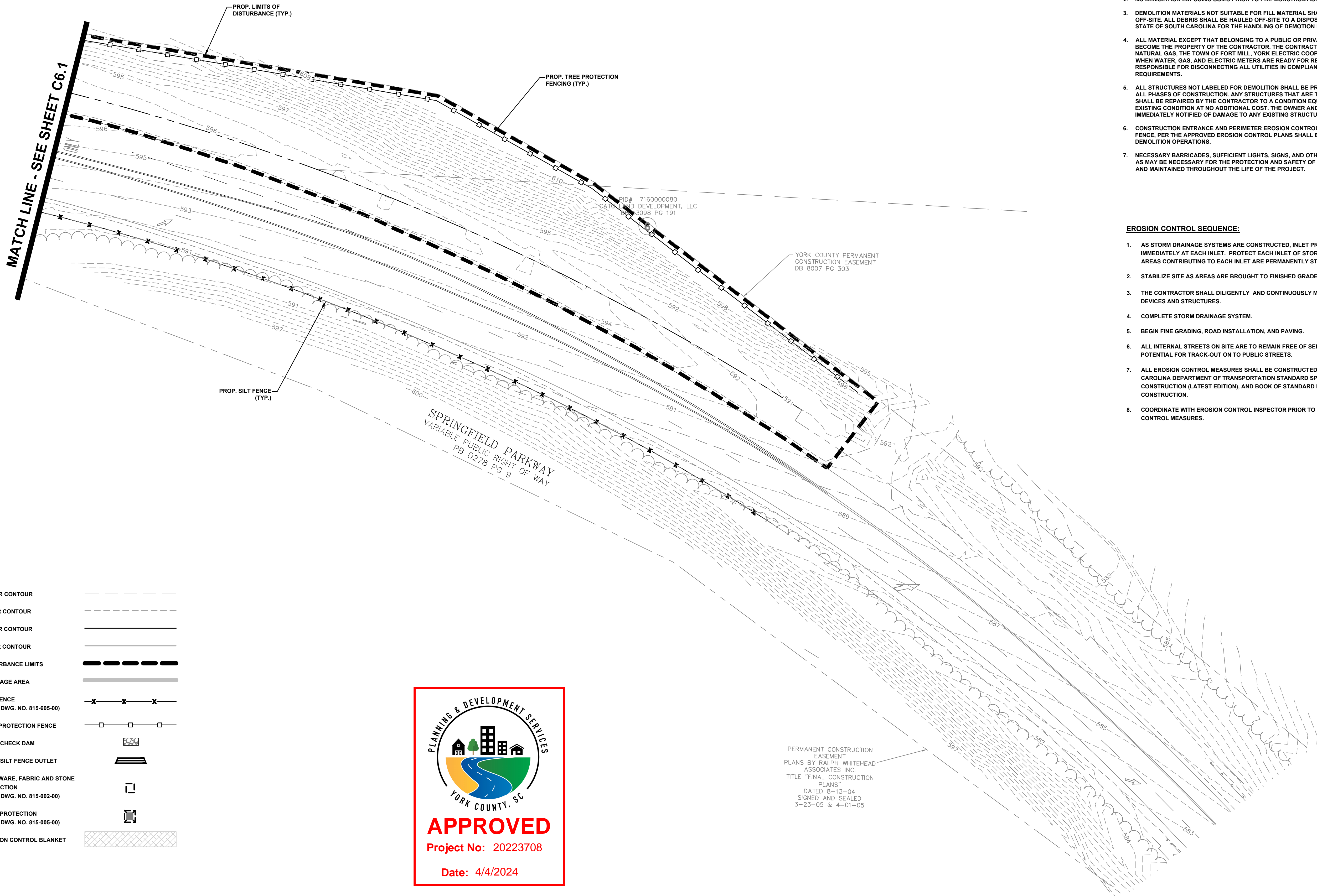
NO.	DATE	REVISION	BY

**EROSION CONTROL PHASE 1 PLAN - SHEET 2 OF 4**  
**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS**  
 FORT MILL SCHOOL DISTRICT YORK COUNTY, SC

PROJECT INFORMATION	
PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	3/20/2024
SHEET:	<b>C6.1</b>

V:\KT13.400 - FMSD Edwards Campus - Road Improvements\KT13.05-EC-PH1.dwg, EROSION CONTROL PLAN - SHEET 2 OF 4, numer

PID# 716000060  
OWSLEY ENTERPRISES  
PB 45 PG 193  
7



**LEGEND**

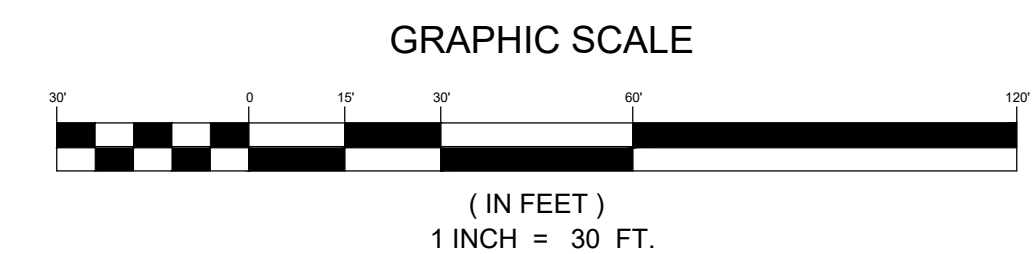
EXIST. MAJOR CONTOUR	
EXIST. MINOR CONTOUR	
PROP. MAJOR CONTOUR	
PROP. MINOR CONTOUR	
PROP. DISTURBANCE LIMITS	
PROP. DRAINAGE AREA	
TEMP. SILT FENCE (SCDOT STD. DWG. NO. 815-605-00)	
PROP. TREE PROTECTION FENCE	
PROP. ROCK CHECK DAM	
PROP. ROCK SILT FENCE OUTLET	
TEMP. HARDWARE, FABRIC AND STONE INLET PROTECTION (SCDOT STD. DWG. NO. 815-002-00)	
TEMP. INLET PROTECTION (SCDOT STD. DWG. NO. 815-005-00)	
PROP. EROSION CONTROL BLANKET	



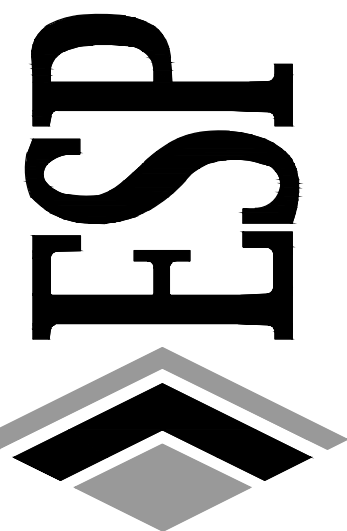
PERMANENT CONSTRUCTION EASEMENT PLANS BY RALPH WHITEHEAD ASSOCIATES INC. TITLE "FINAL CONSTRUCTION PLANS" DATED 8-13-04 SIGNED AND SEALED 3-23-05 & 4-01-05

- DEMOLITION NOTES:**
1. ALL NECESSARY PERMITS FOR DEMOLITION SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO BEGINNING WORK. CONTRACTOR SHALL PROTECT ALL ADJACENT LANDS FROM DAMAGE DURING DEMOLITION WORK. ANY OFF-SITE AREAS DISTURBED SHALL BE RETURNED TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING CONDITION.
  2. NO DEMOLITION EXPOSING SOILS PRIOR TO PRE-CONSTRUCTION MEETING.
  3. DEMOLITION MATERIALS NOT SUITABLE FOR FILL MATERIAL SHALL BE LEGALLY DISPOSED OF OFF-SITE. ALL DEBRIS SHALL BE HAULED OFF-SITE TO A DISPOSAL AREA APPROVED BY THE STATE OF SOUTH CAROLINA FOR THE HANDLING OF DEMOTION DEBRIS.
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  8. COORDINATE WITH EROSION CONTROL INSPECTOR PRIOR TO THE REMOVAL OF EROSION CONTROL MEASURES.



ESP Associates, Inc.  
P.O. Box 7030  
Charlotte, NC 28241  
3475 Lakemont Blvd.  
Fort Mill, SC 29708  
704-583-4949 (NC)  
803-802-2440 (SC)  
www.espasociates.com



NO.	DATE	REVISION

**EROSION CONTROL PHASE 1 PLAN - SHEET 3 OF 4**  
**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS**  
FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

**PROJECT INFORMATION**

PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	3/20/2024
SHEET:	<b>C6.2</b>

V:\KT13.400 - FMSD Edwards Campus Road Improvements\KT13.405-EC-PH1.dwg, EROSION CONTROL PLAN - SHEET 3 OF 4, Number

PROPOSED DISTURBANCE LIMITS: 3.15-ACRES

**LEGEND**

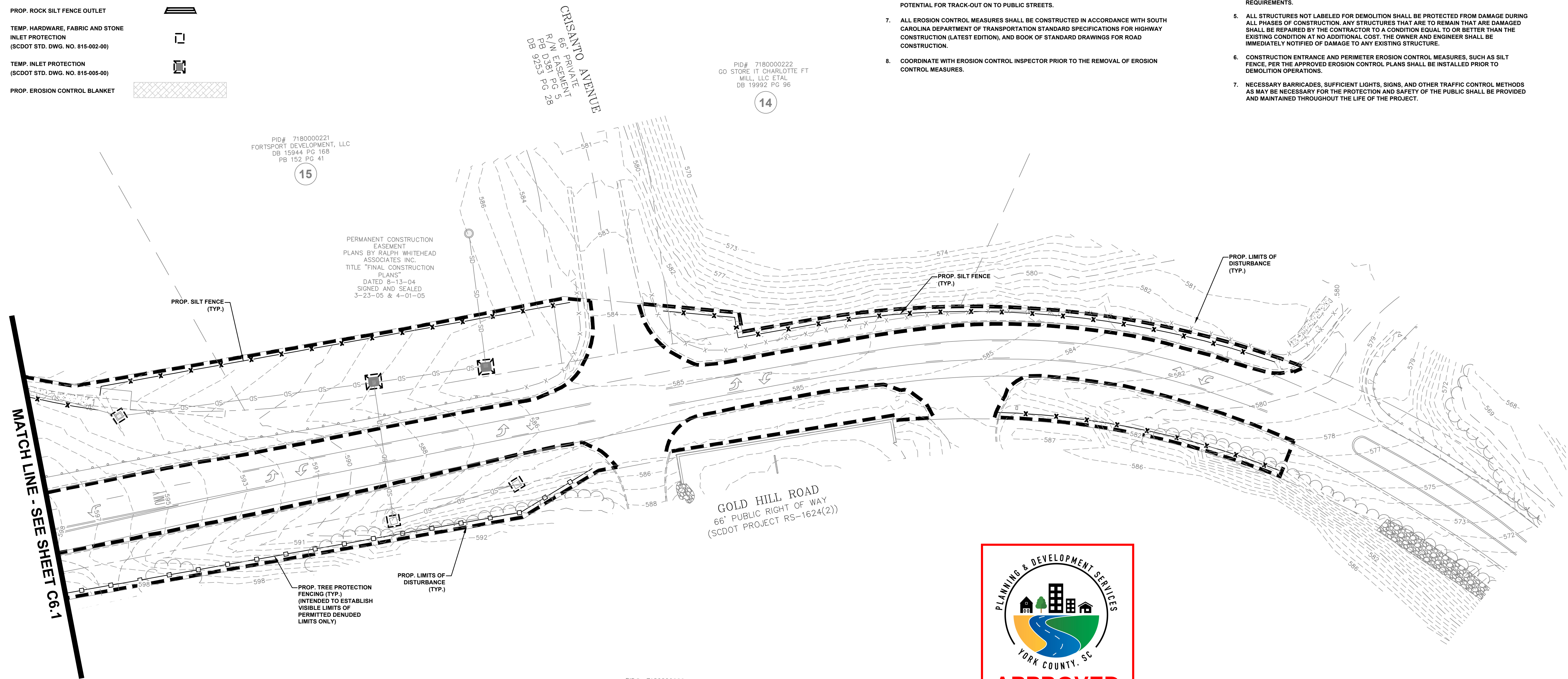
- EXIST. MAJOR CONTOUR
- EXIST. MINOR CONTOUR
- PROP. MAJOR CONTOUR
- PROP. MINOR CONTOUR
- PROP. DISTURBANCE LIMITS
- PROP. DRAINAGE AREA
- TEMP. SILT FENCE (SCDOT STD. DWG. NO. 815-605-00)
- PROP. TREE PROTECTION FENCE
- PROP. ROCK CHECK DAM
- PROP. ROCK SILT FENCE OUTLET
- TEMP. HARDWARE, FABRIC AND STONE INLET PROTECTION (SCDOT STD. DWG. NO. 815-002-00)
- TEMP. INLET PROTECTION (SCDOT STD. DWG. NO. 815-005-00)
- PROP. EROSION CONTROL BLANKET

**EROSION CONTROL SEQUENCE:**

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8. COORDINATE WITH EROSION CONTROL INSPECTOR PRIOR TO THE REMOVAL OF EROSION CONTROL MEASURES.

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PID# 7180000221  
FORTSPORT DEVELOPMENT, LLC  
DB 15944 PG 168  
PB 152 PG 41

15

PERMANENT CONSTRUCTION EASEMENT  
PLANS BY RALPH WHITEHEAD  
ASSOCIATES INC.  
TITLE "FINAL CONSTRUCTION  
PLANS"  
DATED 8-13-04  
SIGNED AND SEALED  
3-23-05 & 4-01-05

CRISIANO AVENUE  
66' PRIVATE  
R/W EASEMENT  
R/W DB 81 PG 28  
DB 9253 PG 28

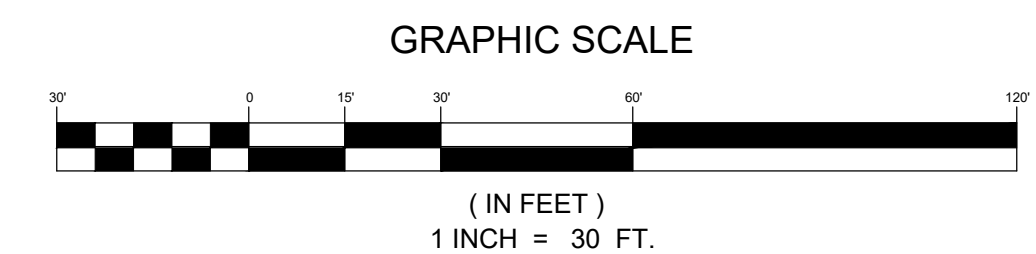
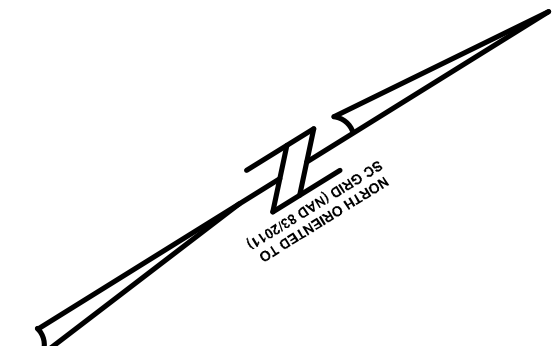
PID# 7180000222  
GO STORE IT CHARLOTTE FT  
MILL, LLC ETAL  
DB 19992 PG 96

14

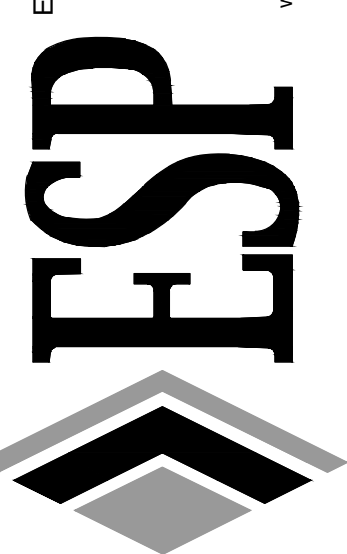
GOLD HILL ROAD  
66' PUBLIC RIGHT OF WAY  
(SCDOT PROJECT RS-1624(2))

PID# 7180000060  
OWSLEY ENTERPRISES  
PB 45 PG 193

9



ESP Associates, Inc.  
P.O. Box 7030  
Charlotte, NC 28241  
3475 Lakemont Blvd.  
Fort Mill, SC 29708  
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803-802-2440 (SC)  
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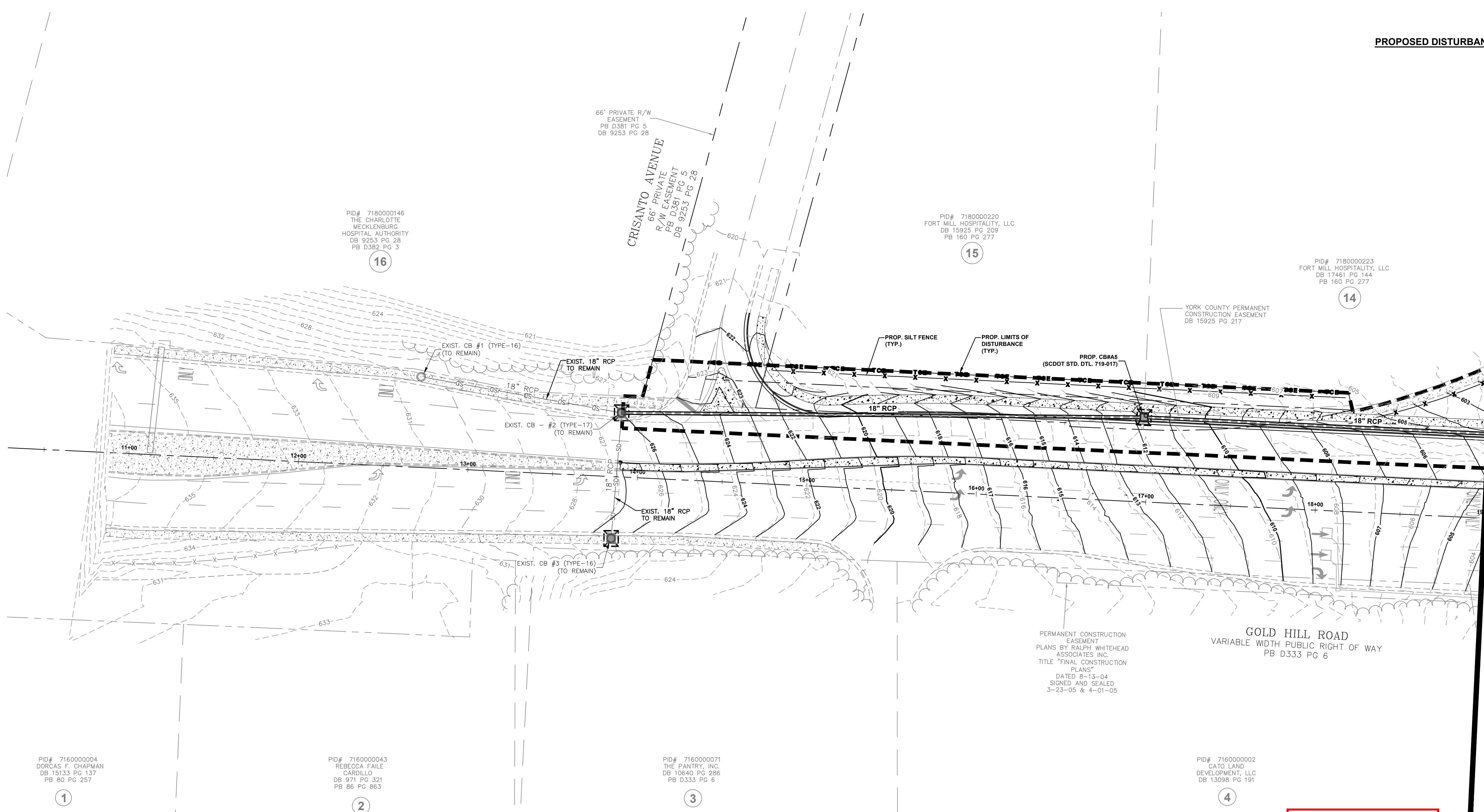


NO.	DATE	REVISION

**EROSION CONTROL PHASE 1 PLAN - SHEET 4 OF 4**  
**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS**  
FORT MILL SCHOOL DISTRICT YORK COUNTY, SC

PROJECT INFORMATION	
PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	3/20/2024
SHEET:	<b>C6.3</b>

V:\KT13.400 - FMSD Edwards Campus - Office Road Improvements\KT13.05-EC-PH1.dwg, EROSION CONTROL PLAN - SHEET 4 OF 4, I:\nume



MATCH LINE - SEE SHEET C6.1

PID# 7160000004  
DORCAS F. CHAPMAN  
DB 15133 PG 137  
PB 80 PG 257

PID# 7160000043  
REBECCA FAILE  
CARDILLO  
DB 971 PG 321  
PB 86 PG 863

PID# 7160000071  
THE PANTRY, INC.  
DB 10640 PG 286  
PB D333 PG 6

PID# 7160000002  
CATO LAND  
DEVELOPMENT, LLC  
DB 13098 PG 191

PID# 7180000146  
THE CHARLOTTE  
MECKLENBURG  
HOSPITAL AUTHORITY  
DB 9253 PG 28  
PB D382 PG 3

PID# 7180000220  
FORT MILL HOSPITALITY, LLC  
DB 15925 PG 209  
PB 160 PG 277

PID# 7180000223  
FORT MILL HOSPITALITY, LLC  
DB 17461 PG 144  
PB 160 PG 277

PERMANENT CONSTRUCTION  
EASEMENT  
PLANS BY RALPH WHITEHEAD  
ASSOCIATES INC.  
TITLE "FINAL CONSTRUCTION  
PLANS"  
DATED 8-13-04  
SIGNED AND SEALED  
3-23-05 & 4-01-05

GOLD HILL ROAD  
VARIABLE WIDTH PUBLIC RIGHT OF WAY  
PB D333 PG 6

**LEGEND**

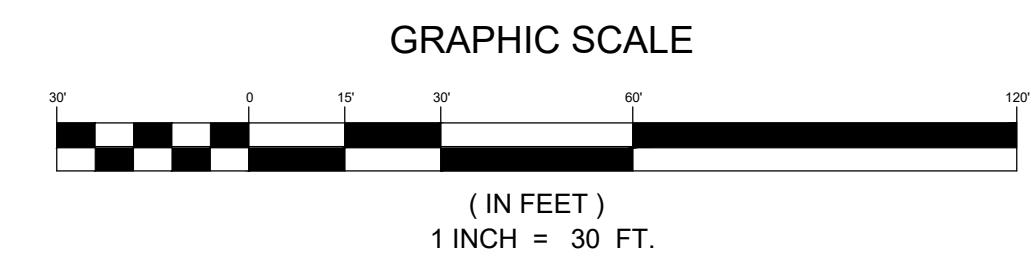
- EXIST. MAJOR CONTOUR
- EXIST. MINOR CONTOUR
- PROP. MAJOR CONTOUR
- PROP. MINOR CONTOUR
- PROP. DISTURBANCE LIMITS
- PROP. DRAINAGE AREA
- TEMP. SILT FENCE (SCDOT STD. DWG. NO. 815-605-00)
- PROP. TREE PROTECTION FENCE
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- PROP. ROCK SILT FENCE OUTLET
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- TEMP. INLET PROTECTION (SCDOT STD. DWG. NO. 815-005-00)
- PROP. EROSION CONTROL BLANKET

**DEMOLITION NOTES:**

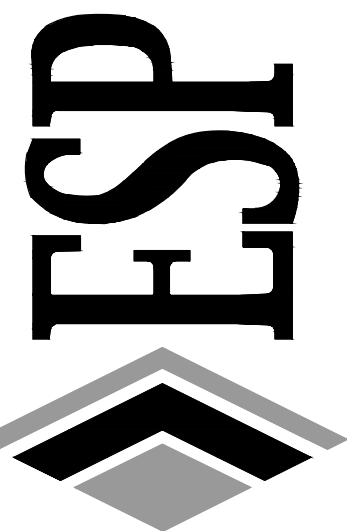
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2. NO DEMOLITION EXPOSING SOILS PRIOR TO PRE-CONSTRUCTION MEETING.
3. DEMOLITION MATERIALS NOT SUITABLE FOR FILL MATERIAL SHALL BE LEGALLY DISPOSED OF OFF-SITE. ALL DEBRIS SHALL BE HAULED OFF-SITE TO A DISPOSAL AREA APPROVED BY THE STATE OF SOUTH CAROLINA FOR THE HANDLING OF DEMOTION DEBRIS.
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8. COORDINATE WITH EROSION CONTROL INSPECTOR PRIOR TO THE REMOVAL OF EROSION CONTROL MEASURES.



ESP Associates, Inc.  
P.O. Box 7030  
Charlotte, NC 28241  
3475 Lakemont Blvd.  
Fort Mill, SC 29708  
704-583-4949 (NC)  
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www.espasociates.com



NO.	DATE	REVISION	BY	RC
1.	3/20/2024	REVISED PER SCDOT AND YORK COUNTY COMMENTS		

**EROSION CONTROL PHASE 2 PLAN - SHEET 1 OF 4**  
**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS**  
FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

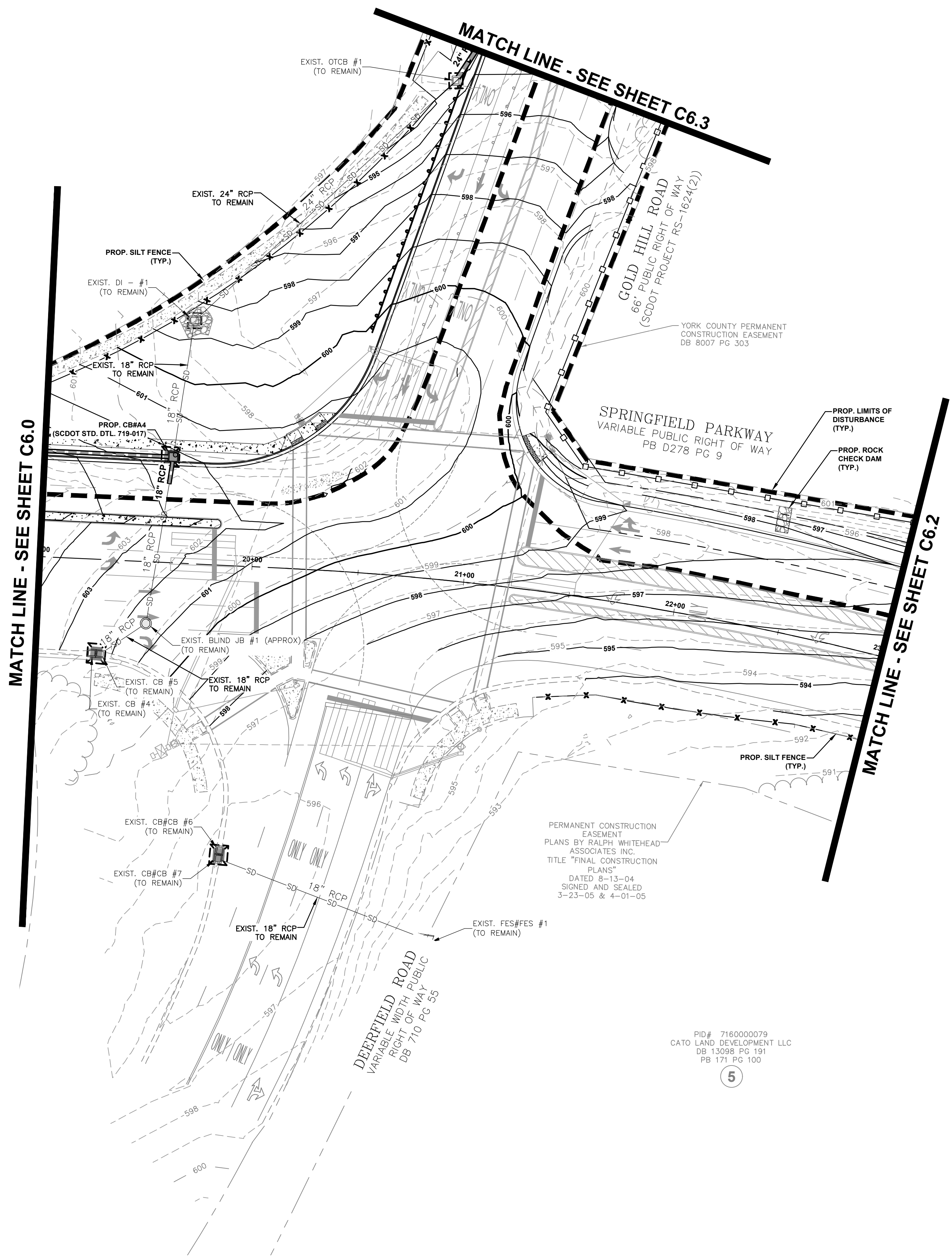
PROJECT INFORMATION

PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C6.4</b>

**LEGEND**

- EXIST. MAJOR CONTOUR
- EXIST. MINOR CONTOUR
- PROP. MAJOR CONTOUR
- PROP. MINOR CONTOUR
- PROP. DISTURBANCE LIMITS
- PROP. DRAINAGE AREA
- TEMP. SILT FENCE (SCDOT STD. DWG. NO. 815-605-00)
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- TEMP. INLET PROTECTION (SCDOT STD. DWG. NO. 815-005-00)
- PROP. EROSION CONTROL BLANKET

PROPOSED DISTURBANCE LIMITS: 3.15-ACRES

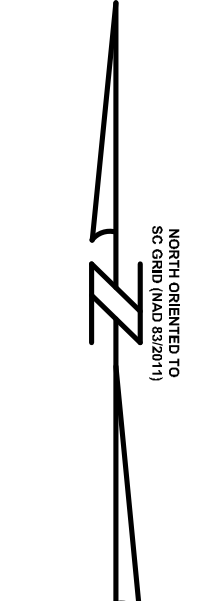
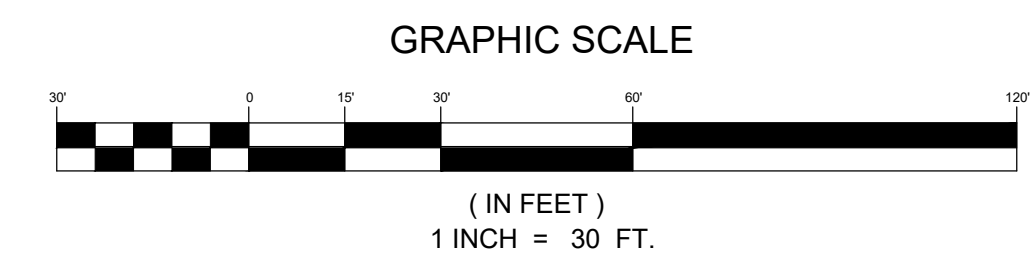


**DEMOLITION NOTES:**

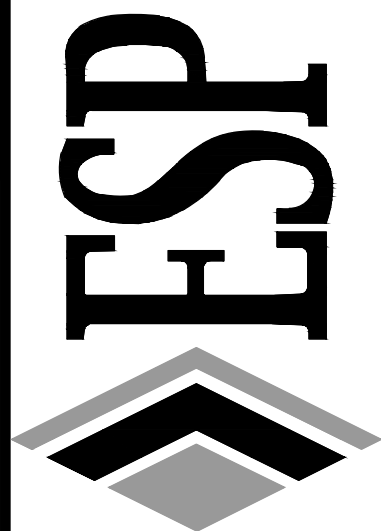
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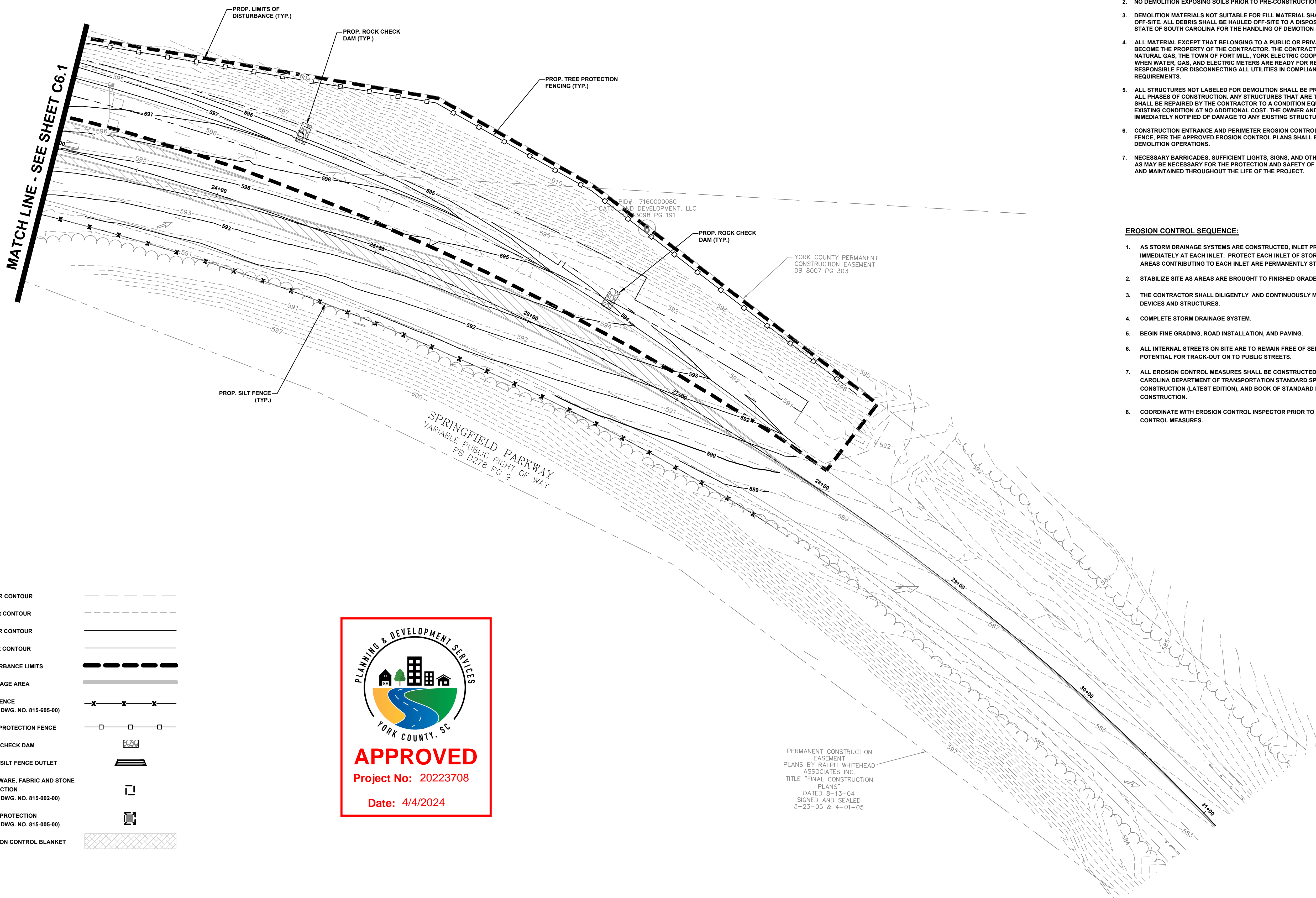
**EROSION CONTROL PHASE 2 PLAN - SHEET 2 OF 4**  
**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS**  
FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

PROJECT INFORMATION

PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C6.5</b>

V:\113.400 - Road Enhancements\campus\_updates\offsite\_road\_improvements\KT13-05-EC.dwg, EROSION CONTROL PLAN - SHEET 2 OF 4, number

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**7**



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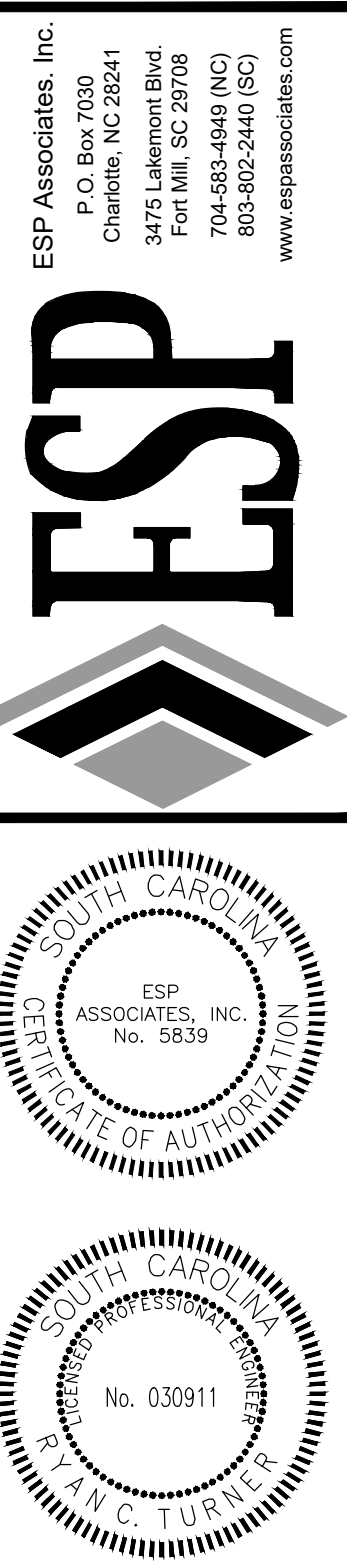
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PROP. EROSION CONTROL BLANKET	



PERMANENT CONSTRUCTION EASEMENT PLANS BY RALPH WHITEHEAD ASSOCIATES INC. TITLE "FINAL CONSTRUCTION PLANS" DATED 8-13-04 SIGNED AND SEALED 3-23-05 & 4-01-05

- DEMOLITION NOTES:**
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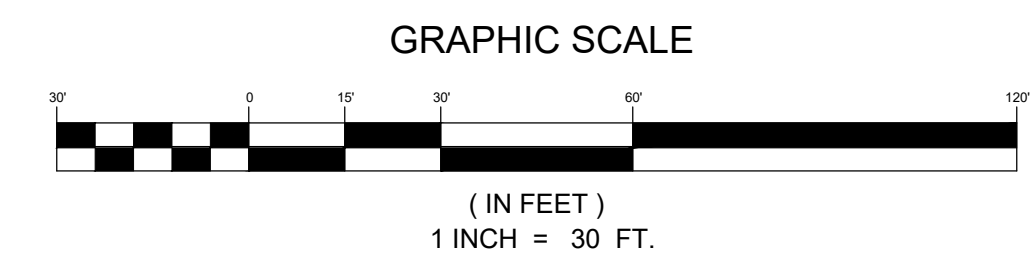


NO.	DATE	REVISION	BY	RC
1.	3/20/2024	REVISED PER SCDOT AND YORK COUNTY COMMENTS		

**EROSION CONTROL PHASE 2 PLAN - SHEET 3 OF 4**  
**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS**  
FORT MILL SCHOOL DISTRICT YORK COUNTY, SC

**PROJECT INFORMATION**

PROJECT MANAGER:	RC
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C6.6</b>



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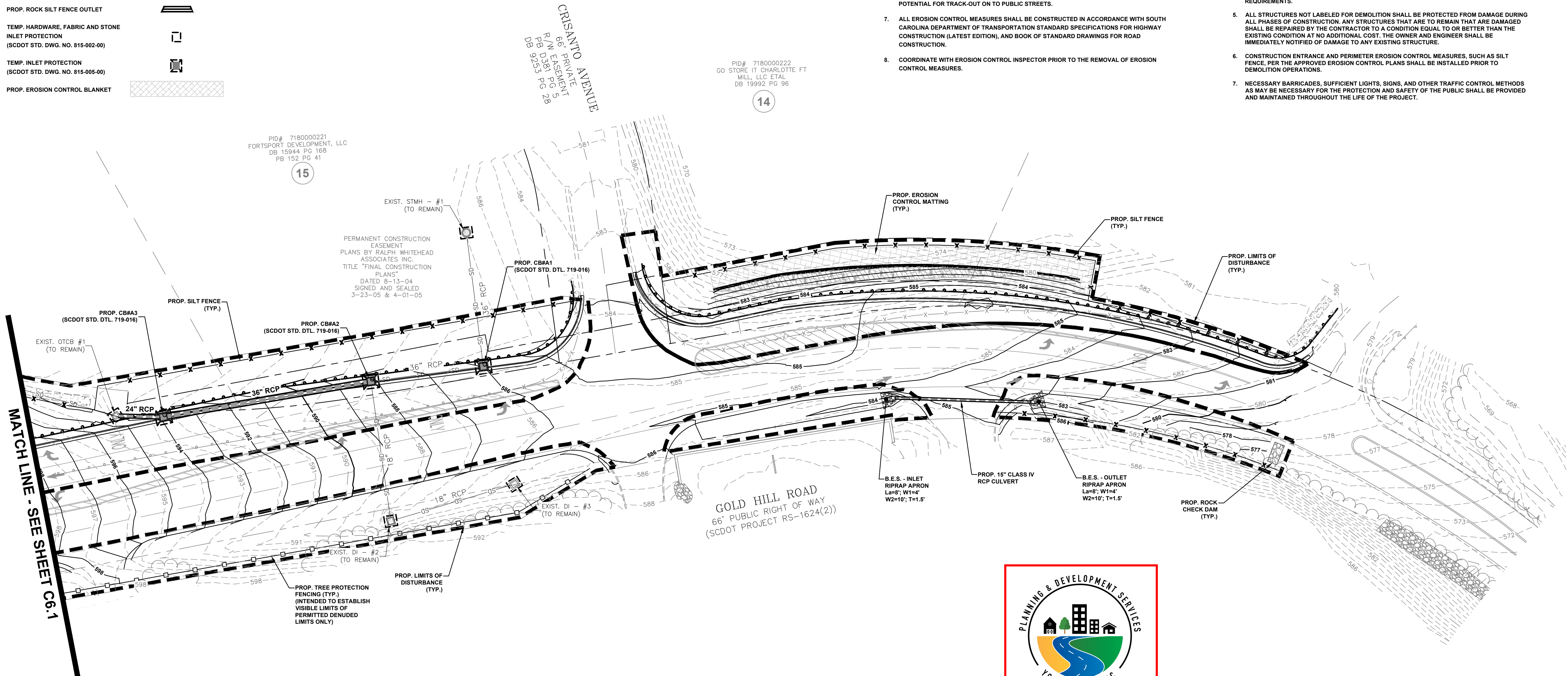
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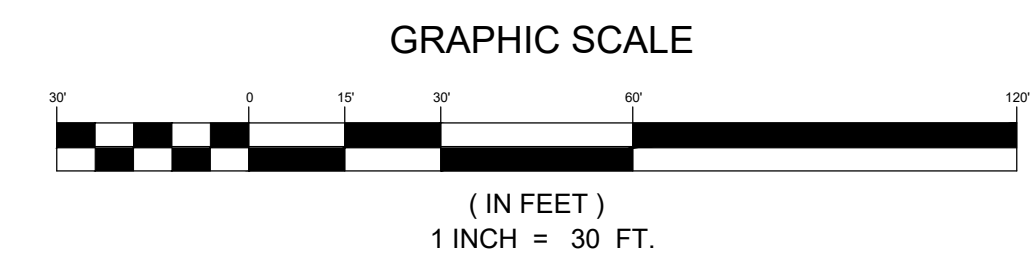
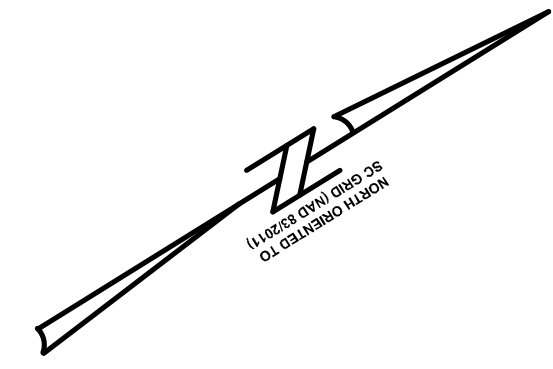


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MILL, LLC ETAL  
DB 19992 PG 96

PID# 7180000221  
FORTSPORT DEVELOPMENT, LLC  
DB 15944 PG 168  
PB 152 PG 41

PERMANENT CONSTRUCTION  
EASEMENT  
PLANS BY RALPH WHITEHEAD  
ASSOCIATES INC.  
TITLE "FINAL CONSTRUCTION  
PLANS"  
DATED 8-13-04  
SIGNED AND SEALED  
3-23-05 & 4-01-05

GOLD HILL ROAD  
66' PUBLIC RIGHT OF WAY  
(SCDOT PROJECT RS-1624(2))



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www.espasociates.com

CERTIFICATE OF AUTHORIZATION  
ESP ASSOCIATES, INC.  
No. 5839

CERTIFICATE OF AUTHORIZATION  
No. 030911

NO.	DATE	REVISION	REVISION PER SCDOT AND YORK COUNTY COMMENTS
1.	3/20/2024		

**EROSION CONTROL PHASE 2 PLAN - SHEET 4 OF 4**  
**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS**  
FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

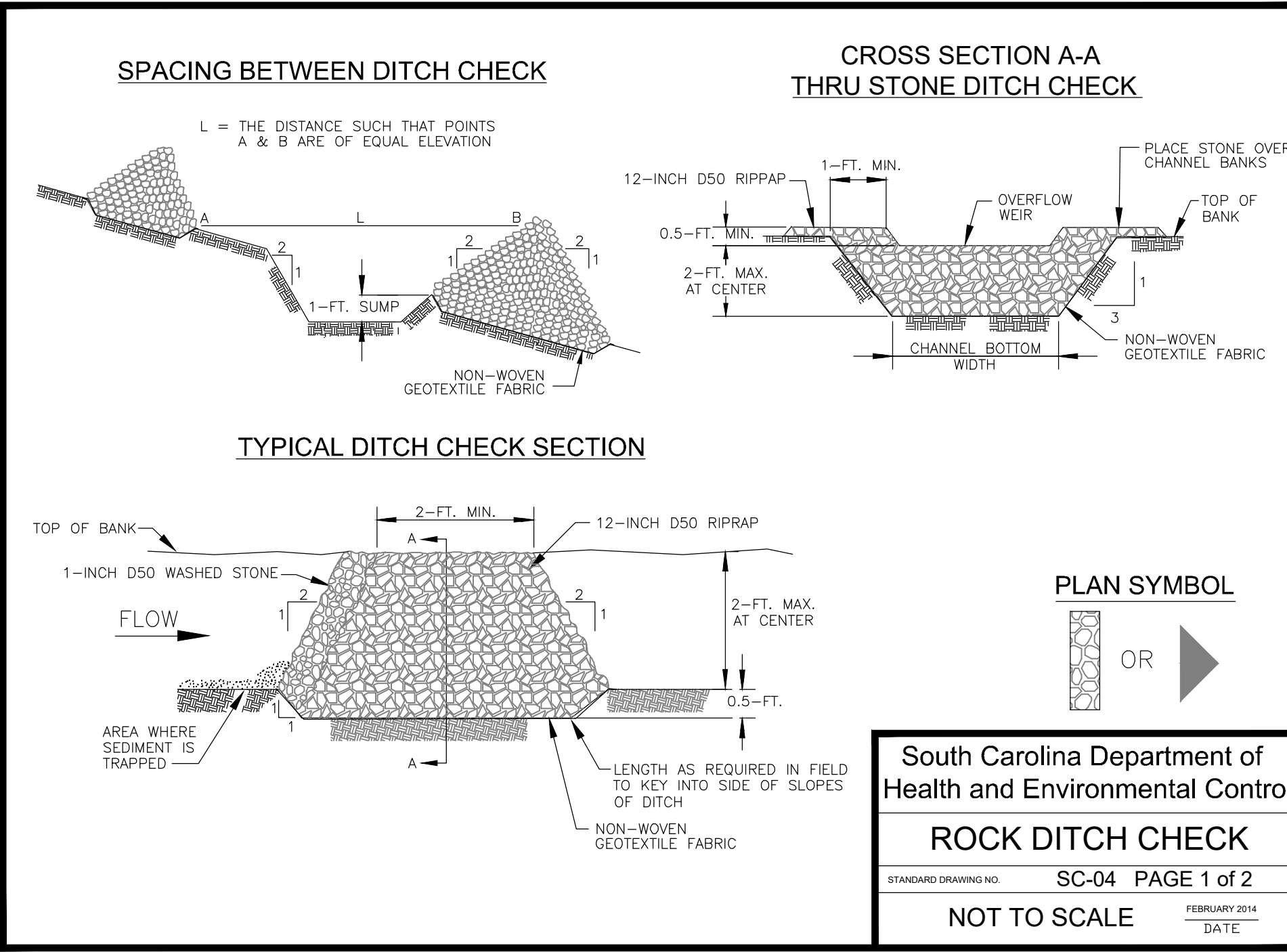
PROJECT INFORMATION

PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	<b>C6.7</b>

V:\113.400 - Road Enhancements - Utilities Road Improvements\_KT13\Sheet\KT13-05-EC.dwg, EROSION CONTROL PLAN - SHEET 4 OF 4, Number







### ROCK DITCH CHECK - GENERAL NOTES

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

### ROCK DITCH CHECK - INSPECTION & MAINTENANCE

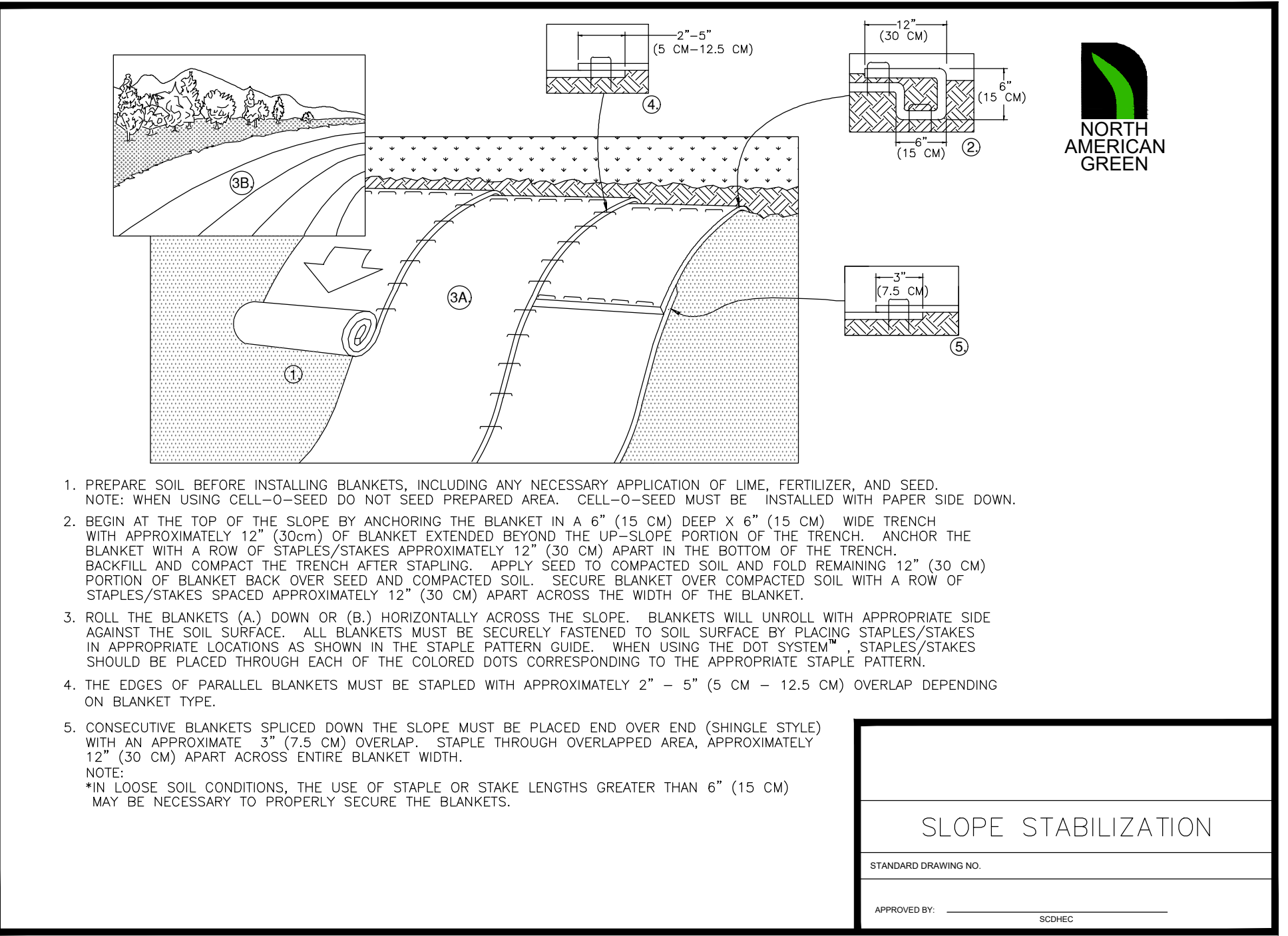
- The key to functional rock ditch check is weekly inspections, routine maintenance, and regular sediment removal.
- Regular inspections of rock ditch checks shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall event that produces 1/2-inch or more of precipitation.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

South Carolina Department of Health and Environmental Control

**ROCK DITCH CHECK**

STANDARD DRAWING NO. SC-04 PAGE 2 of 2

GENERAL NOTES FEBRUARY 2014 DATE



### TEMPORARY SEEDING

- LIME**  
LIME IS NOT REQUIRED FOR TEMPORARY SEEDING UNLESS A SOIL TEST SHOWS THAT THE SOIL PH IS BELOW 5.0. IT MAY BE DESIRABLE TO APPLY LIME DURING THE TEMPORARY SEEDING OPERATION TO BENEFIT THE LONG-TERM PERMANENT SEEDING. APPLY A MINIMUM OF 1.5 TONS TO LIME/ACRE (70 POUNDS PER 1,000 SQUARE FEET) IF IT IS TO BE USED.
- FERTILIZER**  
APPLY A MINIMUM OF 500 POUNDS PER ACRE OF 10-10-10 FERTILIZER (11.5 POUNDS PER 1,000 SQUARE FEET) OF EQUIVALENT DURING TEMPORARY SEEDING UNLESS A SOIL TEST INDICATES A DIFFERENT REQUIREMENT. INCORPORATE FERTILIZER AND LIME (IF USED) INTO THE TOP 4-6 INCHES OF THE SOIL BY DISKING OR OTHER MEANS WHERE CONDITIONS ALLOW.
- MULCHING**  
APPLY THE STRAW MULCH BY HAND OR MACHINE AT THE RATE OF 1.5-2 TONS PER ACRE (90 POUNDS PER 1,000 SQUARE FEET). FREQUENT INSPECTIONS ARE NECESSARY TO CHECK THAT CONDITIONS FOR GROWTH ARE GOOD. TYPICAL MULCH APPLICATIONS INCLUDE STRAW, WOOD FIBER, HYDROMULCHES, BFM, AND FGM. USE HYDROMULCHES WITH A MINIMUM BLEND OF 70% WOOD FIBERS.
- IRRIGATION**  
SEEDED AREAS SHOULD BE KEPT ADEQUATELY MOIST. IRRIGATE THE SEEDED AREA IF NORMAL RAINFALL IS NOT ADEQUATE FOR THE GERMINATION AND GROWTH OF SEEDLINGS. WATER SEEDED AREAS AT CONTROLLED RATES THAT ARE LESS THAN THE RATE AT WHICH THE SOIL CAN ABSORB WATER TO PREVENT RUNOFF. RUNOFF OF IRRIGATION WATER WASTES WATER AND CAN CAUSE EROSION.
- RE-SEEDING**  
RE-SEED AREA WHERE SEEDING DOES NOT GROW QUICKLY, THICK ENOUGH, OR ADEQUATELY TO PREVENT EROSION. BASE SEED SELECTION ON THE REQUIREMENTS OF LOCAL SPECIFICATIONS.
- INSPECTION AND MAINTENANCE**  
INSPECT EVERY 7 CALENDAR DAYS. COVER SEEDED AREA WITH MULCH TO PROVIDE PROTECTION. FREQUENT INSPECTIONS ARE NECESSARY TO CHECK THAT CONDITIONS FOR GROWTH ARE GOOD. SUPPLY TEMPORARY SEEDING WITH ADEQUATE MOISTURE. SUPPLY WATER AS NEEDED, ESPECIALLY IN ABNORMALLY DRY OR HOT WEATHER OR ON ADVERSE SITES. CONTROL WATER APPLICATION RATES TO PREVENT RUNOFF.

Species	lbs./ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Browntop	40												
Millet (Alone)	10												
Browntop Millet (Mix)	10												
Rye Grain (Alone)	56												
Rye Grain (Mix)	10												
Rye Grass (Alone)	50												
Rye Grass (Mix)	8												

Species	lbs./ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Weeping Lovegrass (Alone)	4												
Weeping Lovegrass (Mix)	2												

South Carolina Department of Health and Environmental Control

**TEMPORARY SEEDING**

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

### PERMANENT SEEDING

- LIME**  
UNLESS A SPECIFIC SOIL TEST INDICATES OTHERWISE, APPLY 1.5 TONS OF GROUND COURSE, TEXTURED AGRICULTURAL LIMESTONE PER ACRE (70 POUNDS PER 1,000 SQUARE FEET).
- FERTILIZER**  
APPLY A MINIMUM OF 500 POUNDS PER ACRE OF 10-10-10 FERTILIZER (23 POUNDS PER 1,000 SQUARE FEET) OF EQUIVALENT DURING PERMANENT SEEDING UNLESS A SOIL TEST INDICATES A DIFFERENT REQUIREMENT. INCORPORATE FERTILIZER AND LIME (IF USED) INTO THE TOP 4-6 INCHES OF THE SOIL BY DISKING OR OTHER MEANS WHERE CONDITIONS ALLOW. DO NOT MIX THE LIME AND THE FERTILIZER PRIOR TO THE FIELD APPLICATION.
- MULCHING**  
APPLY THE STRAW MULCH BY HAND OR MACHINE AT THE RATE OF 2 TONS PER ACRE (90 POUNDS PER 1,000 SQUARE FEET). FREQUENT INSPECTIONS ARE NECESSARY TO CHECK THAT CONDITIONS FOR GROWTH ARE GOOD. APPLY THE MULCH EVENLY IN SUCH A MANNER THAT IT PROVIDES A MINIMUM OF 75% COVERAGE. TYPICAL MULCH APPLICATIONS INCLUDE STRAW, WOOD FIBER, HYDROMULCHES, BFM, AND FGM. USE HYDROMULCHES WITH A MINIMUM BLEND OF 70% WOOD FIBERS.
- IRRIGATION**  
KEEP PERMANENT SEEDED AREAS ADEQUATELY MOIST, ESPECIALLY LATE IN THE SPECIFIC GROWING SEASON. IRRIGATE THE SEEDED AREA IF NORMAL RAINFALL IS NOT ADEQUATE FOR THE GERMINATION AND GROWTH OF SEEDLINGS. WATER SEEDED AREAS AT CONTROLLED RATES THAT ARE LESS THAN THE RATE AT WHICH THE SOIL CAN ABSORB WATER TO PREVENT RUNOFF. RUNOFF OF IRRIGATION WATER WASTES WATER AND CAN CAUSE EROSION.
- RE-SEEDING**  
RE-SEED AREA WHERE SEEDING DOES NOT GROW QUICKLY, THICK ENOUGH, OR ADEQUATELY TO PREVENT EROSION. BASE SEED SELECTION ON THE REQUIREMENTS OF LOCAL SPECIFICATIONS.
- INSPECTION AND MAINTENANCE**  
INSPECT EVERY 7 CALENDAR DAYS. COVER SEEDED AREA WITH MULCH TO PROVIDE PROTECTION. FREQUENT INSPECTIONS ARE NECESSARY TO CHECK THAT CONDITIONS FOR GROWTH ARE GOOD. SUPPLY TEMPORARY SEEDING WITH ADEQUATE MOISTURE. SUPPLY WATER AS NEEDED, ESPECIALLY IN ABNORMALLY DRY OR HOT WEATHER OR ON ADVERSE SITES. CONTROL WATER APPLICATION RATES TO PREVENT RUNOFF.

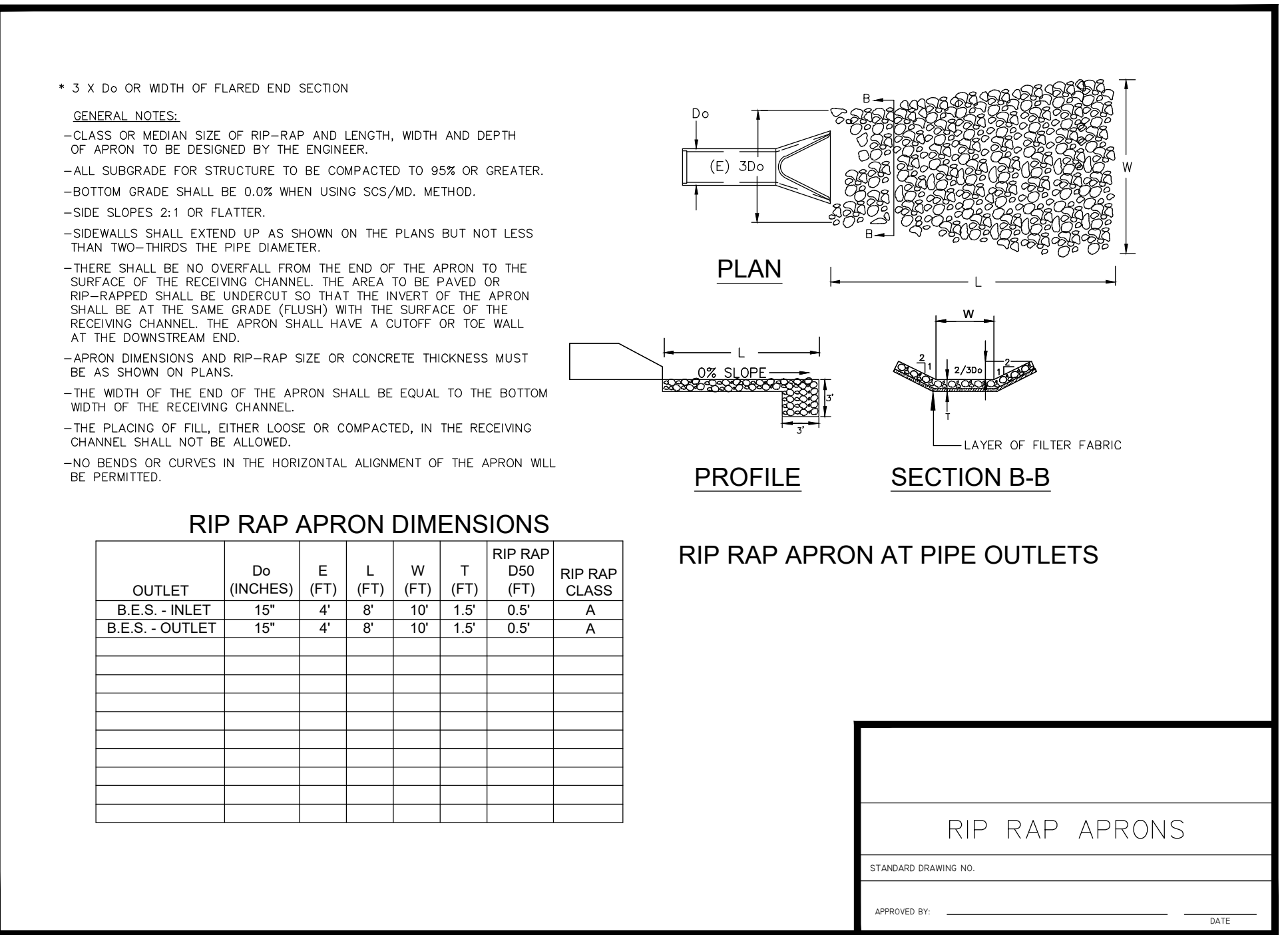
Species	Lbs/Ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Bahia Grass (Alone)	40												
Bahia Grass (Mix)	30												
Bermuda Grass (Alone)	8-12												
Bermuda Grass (dotted) (Mix)	4-6												
Fescue, Tall (KY31) (Alone)	40												
Fescue, Tall (KY31) (Mix)	20												
Serenoa Lespedeza (Scarified) (Alone)	40												
Serenoa Lespedeza (Scarified) (Mix) (Inoculate with FI Inoculant)	2												
Ladino Clover (mix only) (Inoculate with AB Inoculant)	2												

Species	lbs./ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Weeping Lovegrass (Alone)	4												
Weeping Lovegrass (Mix)	2												
Crownvetch (Mix) (Inoculate with Type M Inoculant)	8-10												

South Carolina Department of Health and Environmental Control

**PERMANENT SEEDING**

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



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 803-802-2440 (SC)  
 www.espassociates.com

ESP ASSOCIATES, INC.  
 No. 5839

No. 030911

NO.	REVISION	DATE	BY	REASON
1.		3/20/2024		REVISED PER SCDOT AND YORK COUNTY COMMENTS

**EROSION CONTROL DETAILS - SHEET 2 OF 2**

**GOLD HILL ROAD & SPRINGFIELD PKWY. INTERSECTION IMPROVEMENTS**

FORT MILL SCHOOL DISTRICT YORK COUNTY, SC

PROJECT INFORMATION

PROJECT MANAGER: RCT

DESIGNED BY: DJH/CEB

DRAWN BY: DJH/CEB

PROJECT NUMBER: KT13.400

ORIGINAL DATE: 1/19/2024

SHEET: **C6.9**

Know what's below.  
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REFERENCES

SIGNING AND MARKING ENGINEER

CLAYTON J. SELLERS

NO. 29076

DESIGN OFFICE

DESIGN & STANDARD OFFICE

505 PINE STREET

ROOM 400

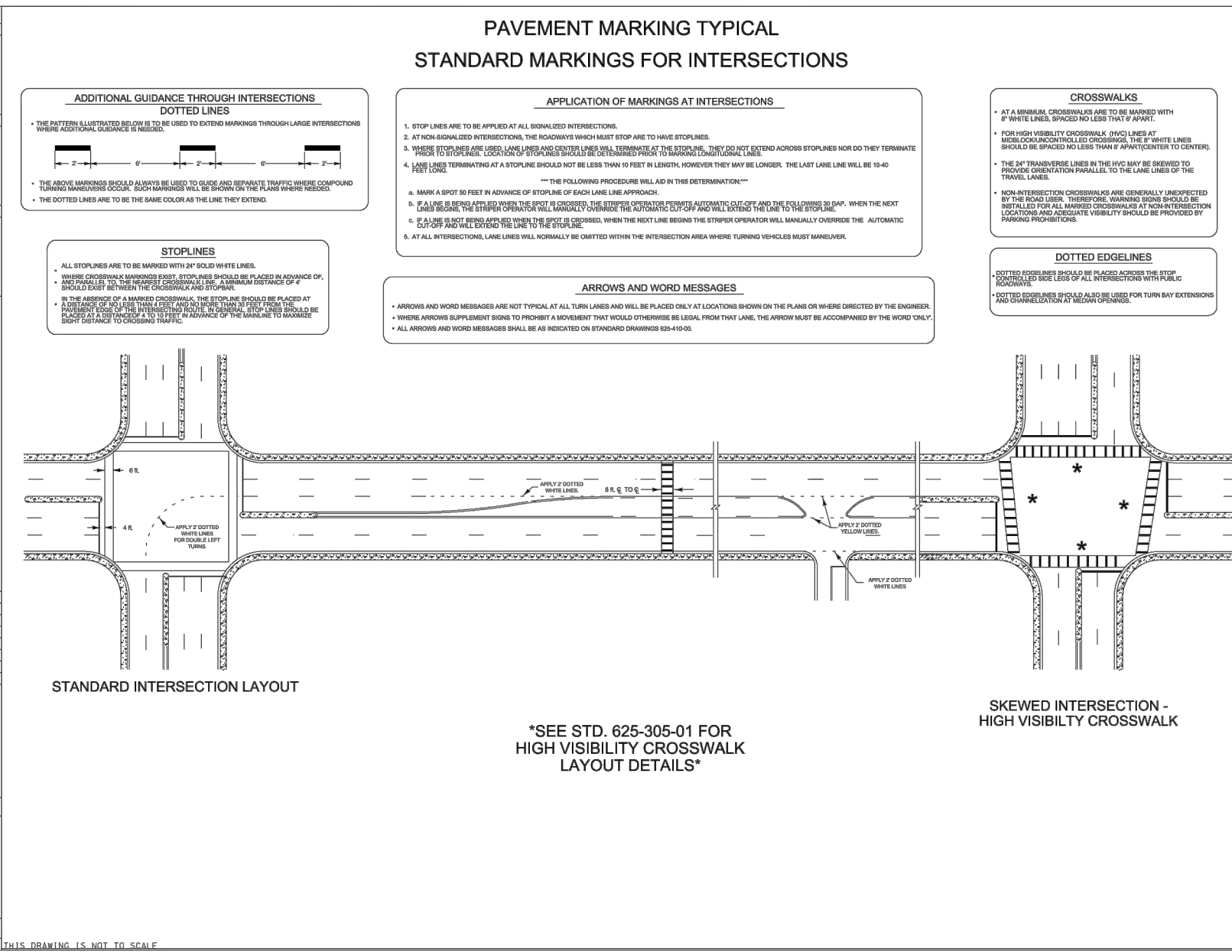
COLUMBIA, SC 29201

STANDARD DRAWING

STANDARD MARKINGS FOR INTERSECTIONS

625-305-00

DATE: 11/19/2024



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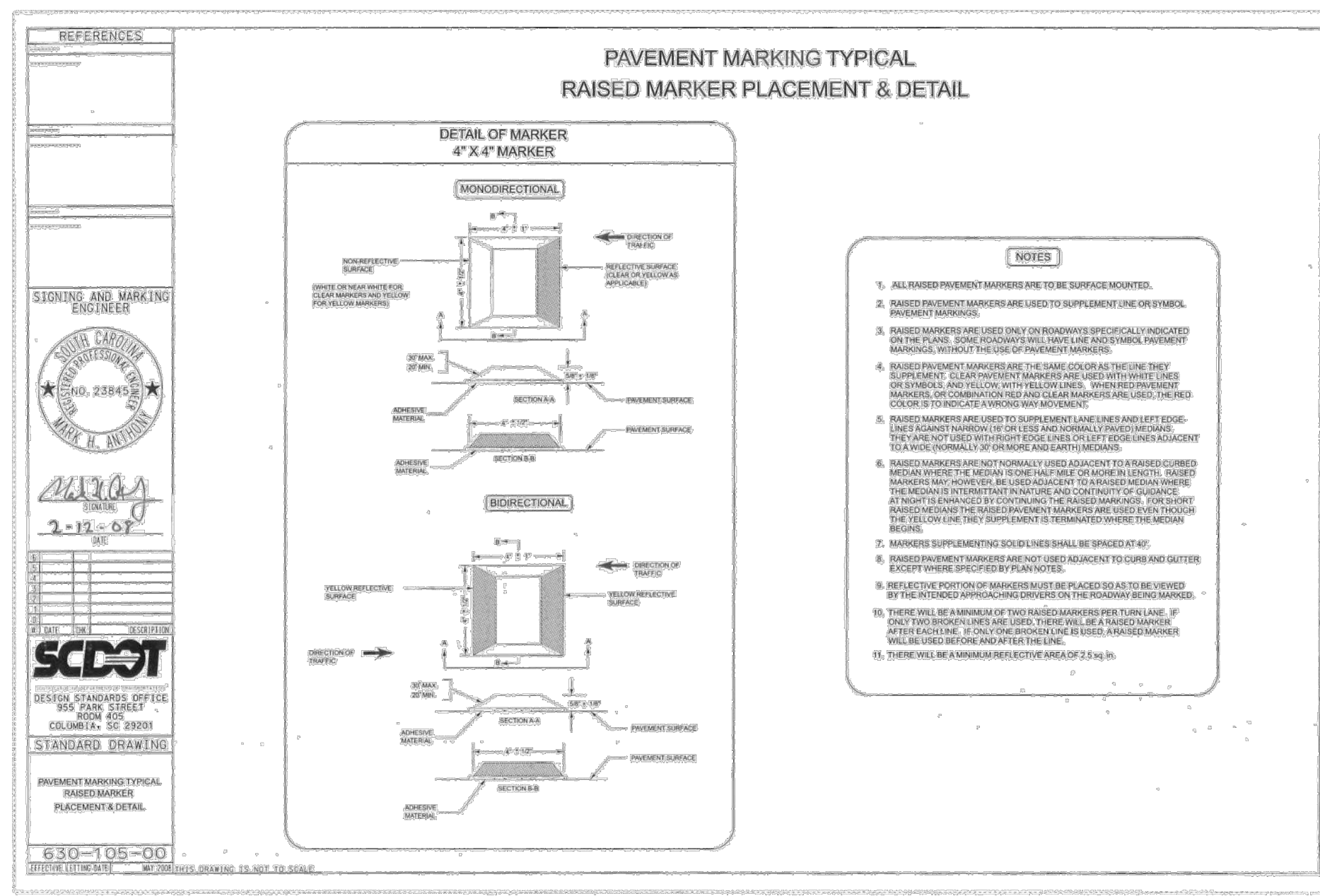
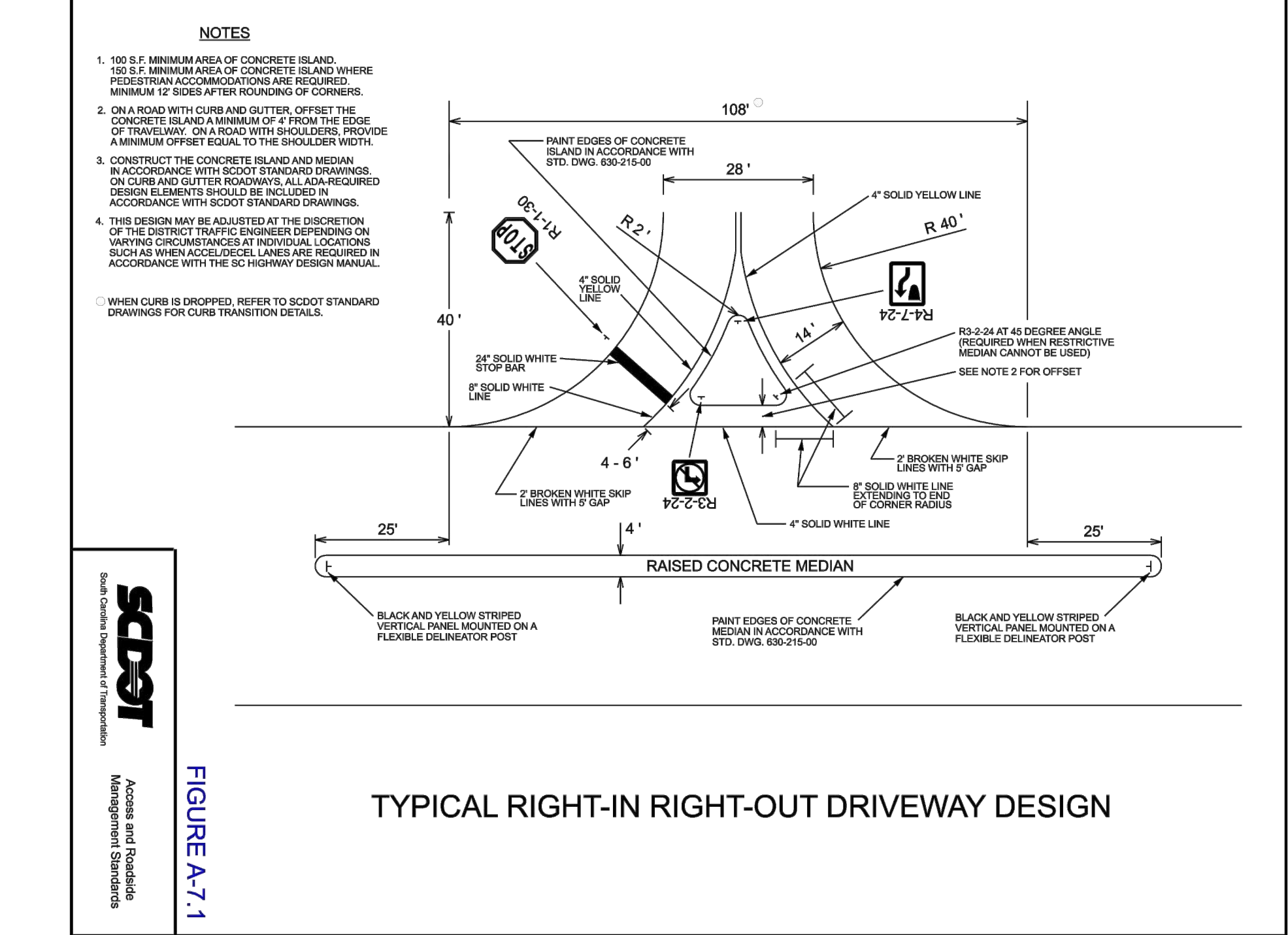
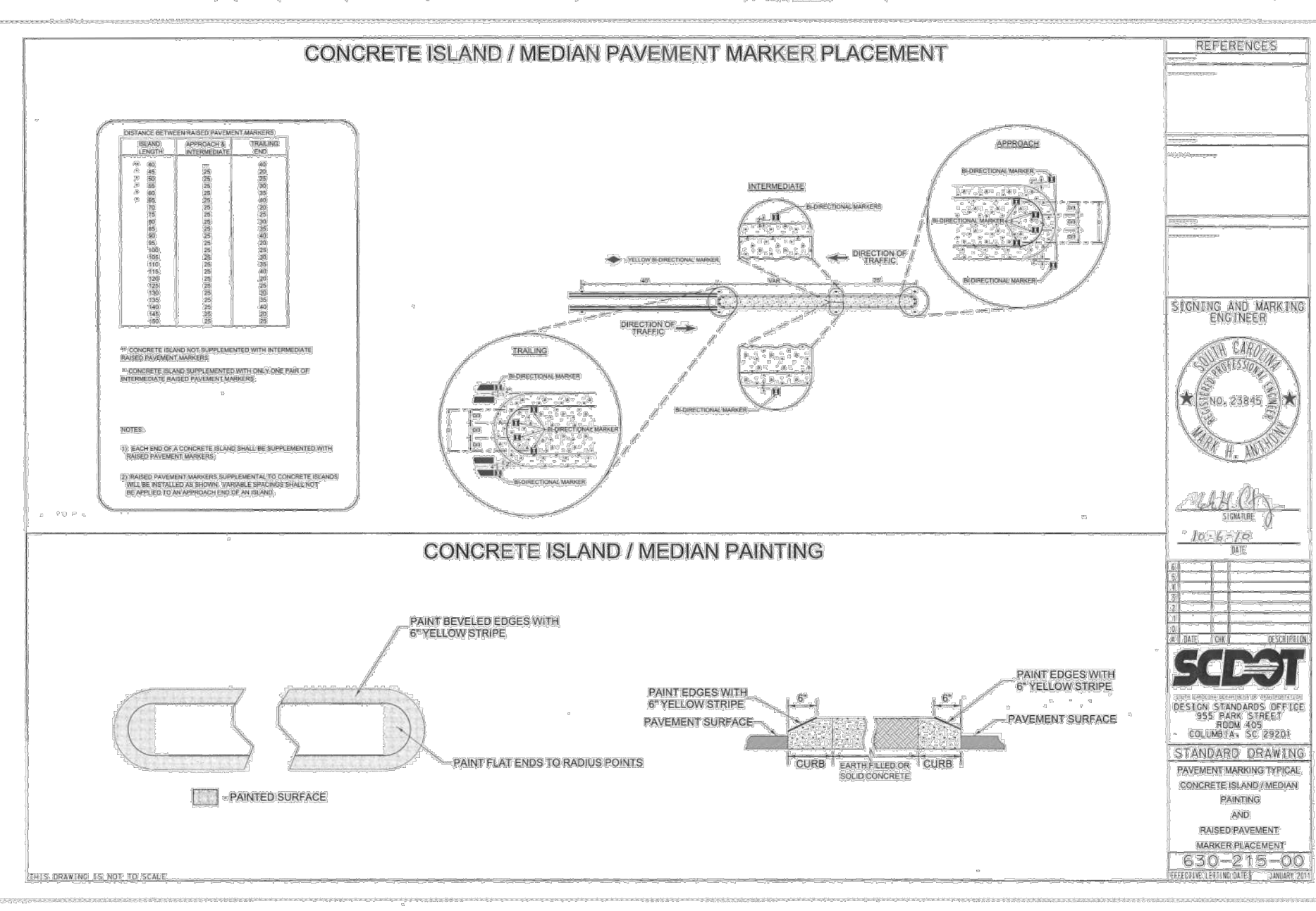
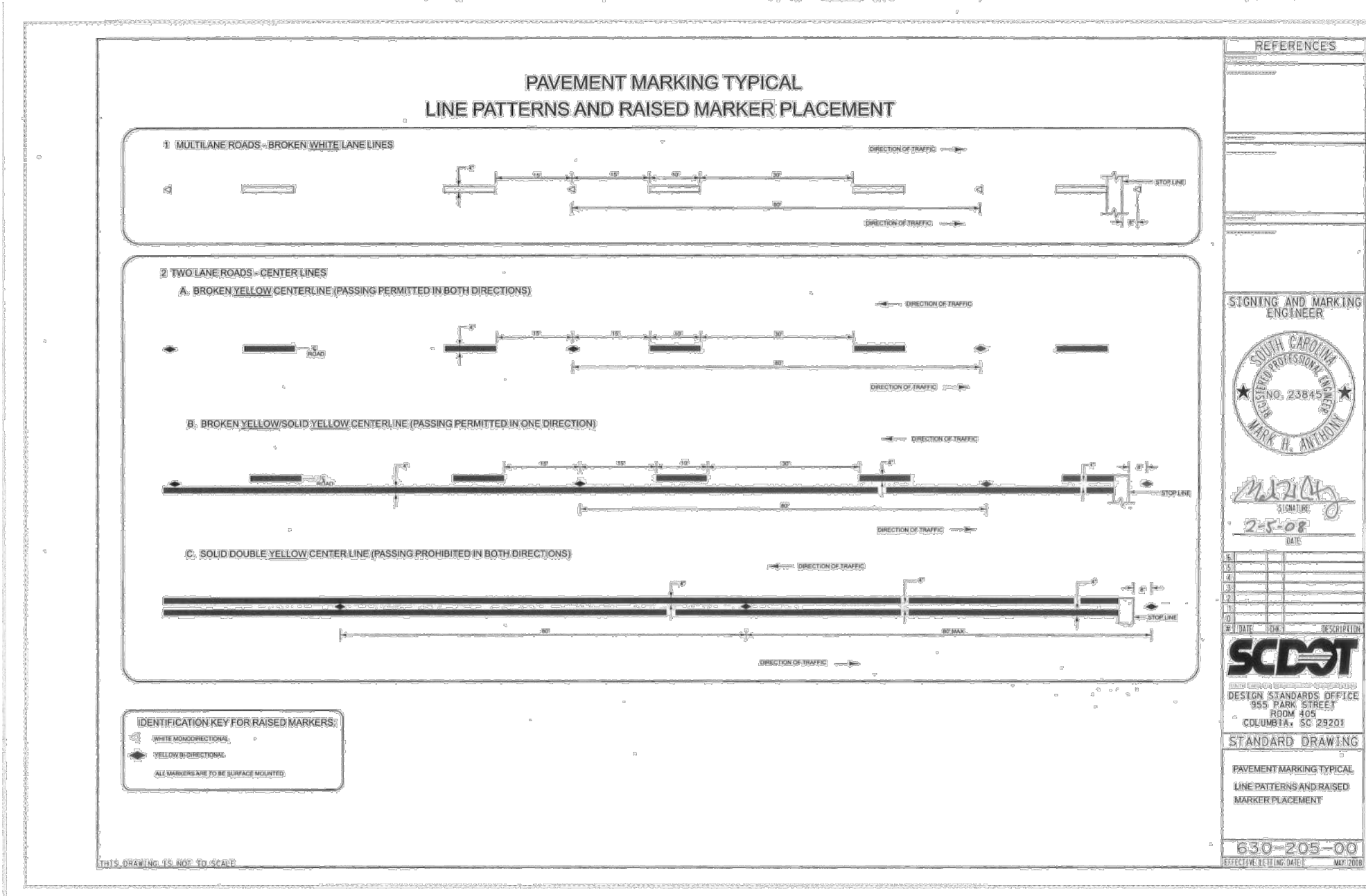
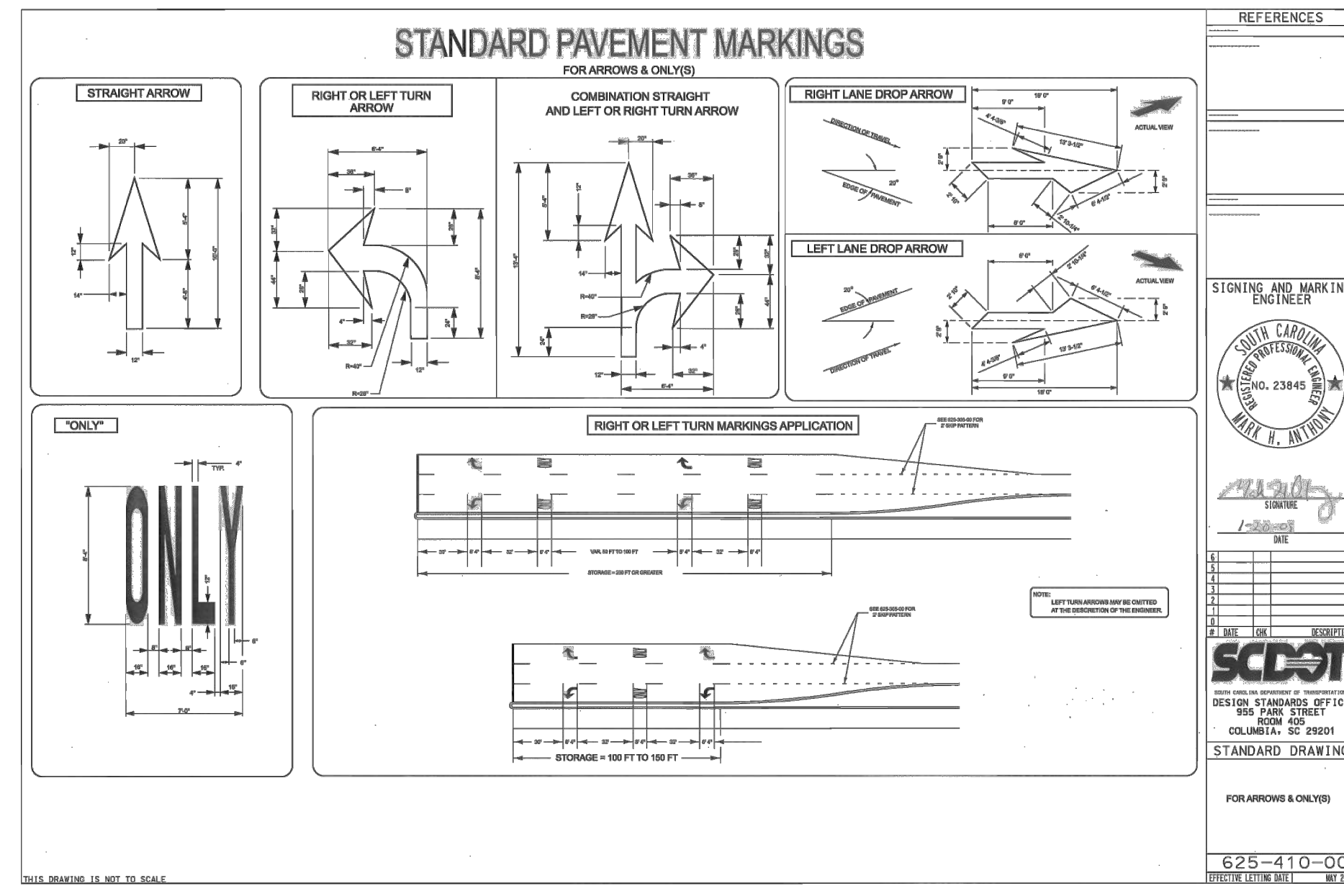
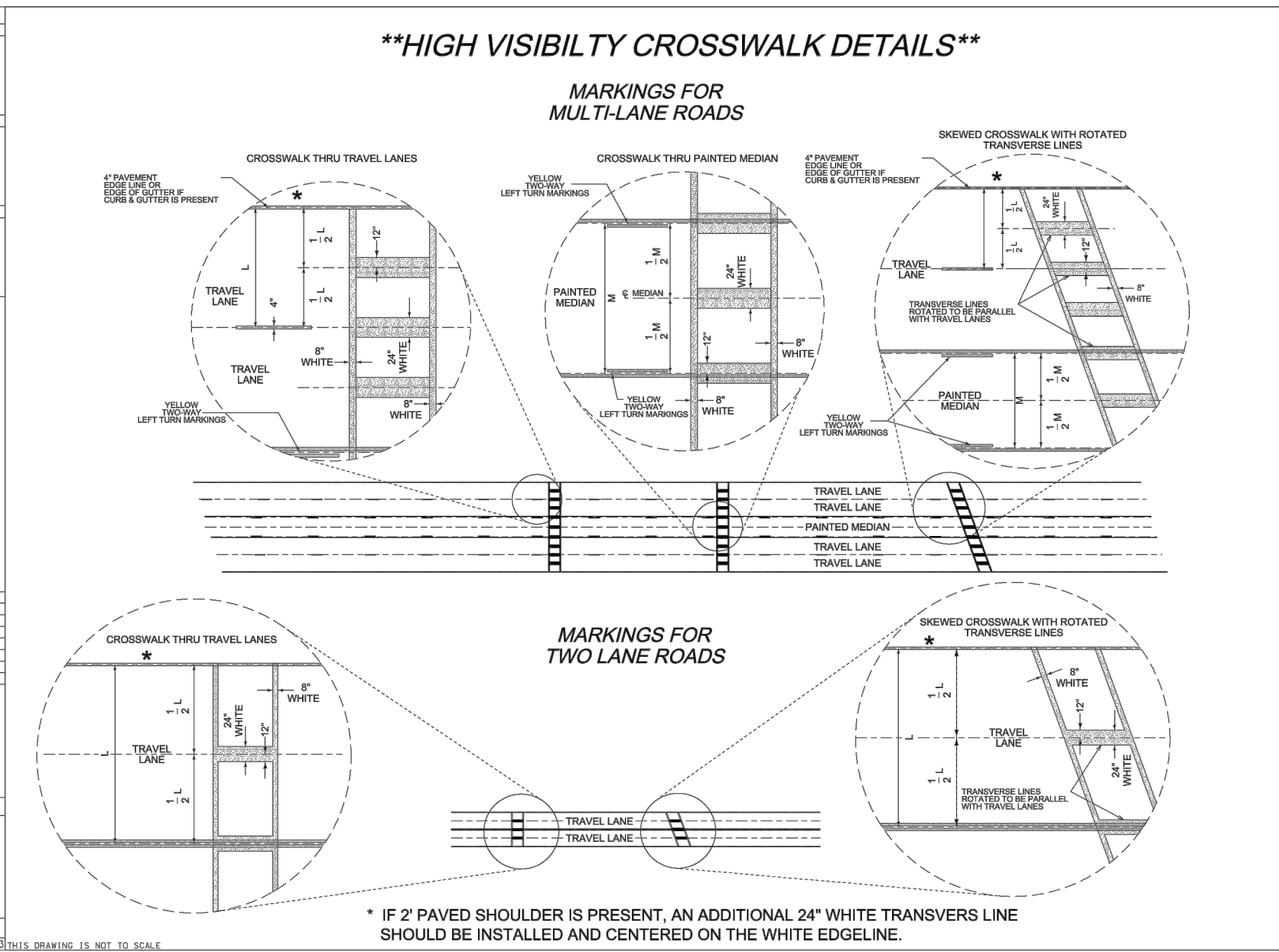
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STANDARD DRAWING

STANDARD MARKINGS FOR INTERSECTIONS

625-305-01

DATE: 11/19/2024



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**ESP**

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CERTIFICATE OF AUTHORIZATION  
ESP ASSOCIATES, INC.  
No. 5839

SOUTH CAROLINA  
REGISTERED PROFESSIONAL ENGINEER  
R. AN C. TURLEY  
No. 030911

BY \_\_\_\_\_

DATE \_\_\_\_\_

REVISION \_\_\_\_\_

NO. \_\_\_\_\_

PROJECT INFORMATION

PROJECT MANAGER: RCT

DESIGNED BY: DJH/CEB

DRAWN BY: DJH/CEB

PROJECT NUMBER: KT13.400

ORIGINAL DATE: 1/19/2024

SHEET: **C7.0**

ROADWAY DETAILS - SHEET 1 OF 5  
GOLD HILL ROAD & SPRINGFIELD PKWY.  
INTERSECTION IMPROVEMENTS  
FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

**REFERENCES**  
WORK SHEET: 719-017-R6  
DATE: 04/20/2024

**PRECONSTRUCTION SUPPORT ENGINEER**  
SOUTH CAROLINA PROFESSIONAL ENGINEER  
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M. W. SILVERSTEIN

**SCDOT**  
DESIGN STANDARDS OFFICE  
100 PARK STREET  
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**STANDARD DRAWING**  
TYPE 5  
CATCH BASIN FROM CATCH BASIN TYPE 5 & 6

**719-017-R6**  
WORK SHEET: 719-017-R6  
DATE: 04/20/2024

**REFERENCES**  
WORK SHEET: 719-017-O1  
DATE: 04/20/2024

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**STANDARD DRAWING**  
TYPE 11  
CATCH BASIN FROM CATCH BASIN TYPE 11

**TABLE 719-017A**

DESCRIPTION	MIN. THICKNESS	VEHICLE
CONCRETE	4"	HS-20
ASPHALT	2"	HS-20

**719-017-O1**  
WORK SHEET: 719-017-O1  
DATE: 04/20/2024

**REFERENCES**  
WORK SHEET: 719-016-O1  
DATE: 04/20/2024

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**STANDARD DRAWING**  
TYPE 16  
CATCH BASIN FROM CATCH BASIN TYPE 16

**TABLE 719-016A**

DESCRIPTION	MIN. THICKNESS	VEHICLE
CONCRETE	4"	HS-20
ASPHALT	2"	HS-20

**719-016-O1**  
WORK SHEET: 719-016-O1  
DATE: 04/20/2024

**REFERENCES**  
WORK SHEET: 719-610-00  
DATE: 04/20/2024

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SOUTH CAROLINA PROFESSIONAL ENGINEER  
NO. 21242  
J. W. KENNELL

**SCDOT**  
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**STANDARD DRAWING**  
TYPE 16  
CATCH BASIN FROM CATCH BASIN TYPE 16

**CHART 719-610B**

CLASS	DEPTH	LENGTH
A	0.75	1.50
B	0.75	1.50
C	1.50	3.00

**719-610-00**  
WORK SHEET: 719-610-00  
DATE: 04/20/2024

**REFERENCES**  
WORK SHEET: 719-017-O2  
DATE: 04/20/2024

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**STANDARD DRAWING**  
TYPE 19  
CATCH BASIN FROM CATCH BASIN TYPE 19

**719-017-O2**  
WORK SHEET: 719-017-O2  
DATE: 04/20/2024

**REFERENCES**  
WORK SHEET: 719-016-O2  
DATE: 04/20/2024

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SOUTH CAROLINA PROFESSIONAL ENGINEER  
NO. 8858  
M. W. SILVERSTEIN

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**STANDARD DRAWING**  
TYPE 16  
CATCH BASIN FROM CATCH BASIN TYPE 16

**TABLE 719-016B**

DESCRIPTION	MIN. THICKNESS	VEHICLE
CONCRETE	4"	HS-20
ASPHALT	2"	HS-20

**719-016-O2**  
WORK SHEET: 719-016-O2  
DATE: 04/20/2024

**REFERENCES**  
WORK SHEET: 719-017-R5  
DATE: 04/20/2024

**PRECONSTRUCTION SUPPORT ENGINEER**  
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**STANDARD DRAWING**  
TYPE 17  
CATCH BASIN FROM CATCH BASIN TYPE 5 & 6

**719-017-R5**  
WORK SHEET: 719-017-R5  
DATE: 04/20/2024

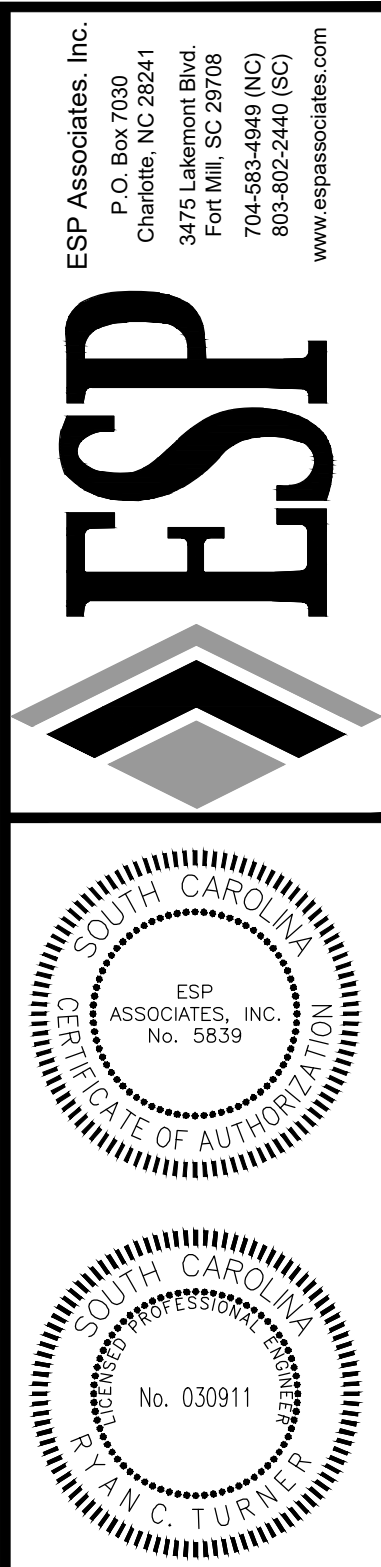
**REFERENCES**  
WORK SHEET: 719-016-O3  
DATE: 04/20/2024

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**STANDARD DRAWING**  
TYPE 16B  
CATCH BASIN FROM CATCH BASIN TYPE 16B

**719-016-O3**  
WORK SHEET: 719-016-O3  
DATE: 04/20/2024



NO.	DATE	REVISION

**ROADWAY DETAILS - SHEET 2 OF 5**  
**GOLD HILL ROAD & SPRINGFIELD PKWY.**  
**INTERSECTION IMPROVEMENTS**  
FORT MILL SCHOOL DISTRICT  
YORK COUNTY, SC

**PROJECT INFORMATION**

PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13.400
ORIGINAL DATE:	1/19/2024
SHEET:	C7.1





**REFERENCES**

SECTION DOCUMENTS  
SECTION 05 20 00 - CONCRETE  
SECTION 05 20 01 - CURB & GUTTER

PRECISION PROJECT ENGINEER  
SOUTH CAROLINA  
NO. 8869  
ALEXANDER INVESTMENTS, LLC

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ANDREW KENNELL

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HEAVY DUTY  
CASTING

719-505-03  
DESIGN SHEET

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CASTING

719-505-04  
DESIGN SHEET

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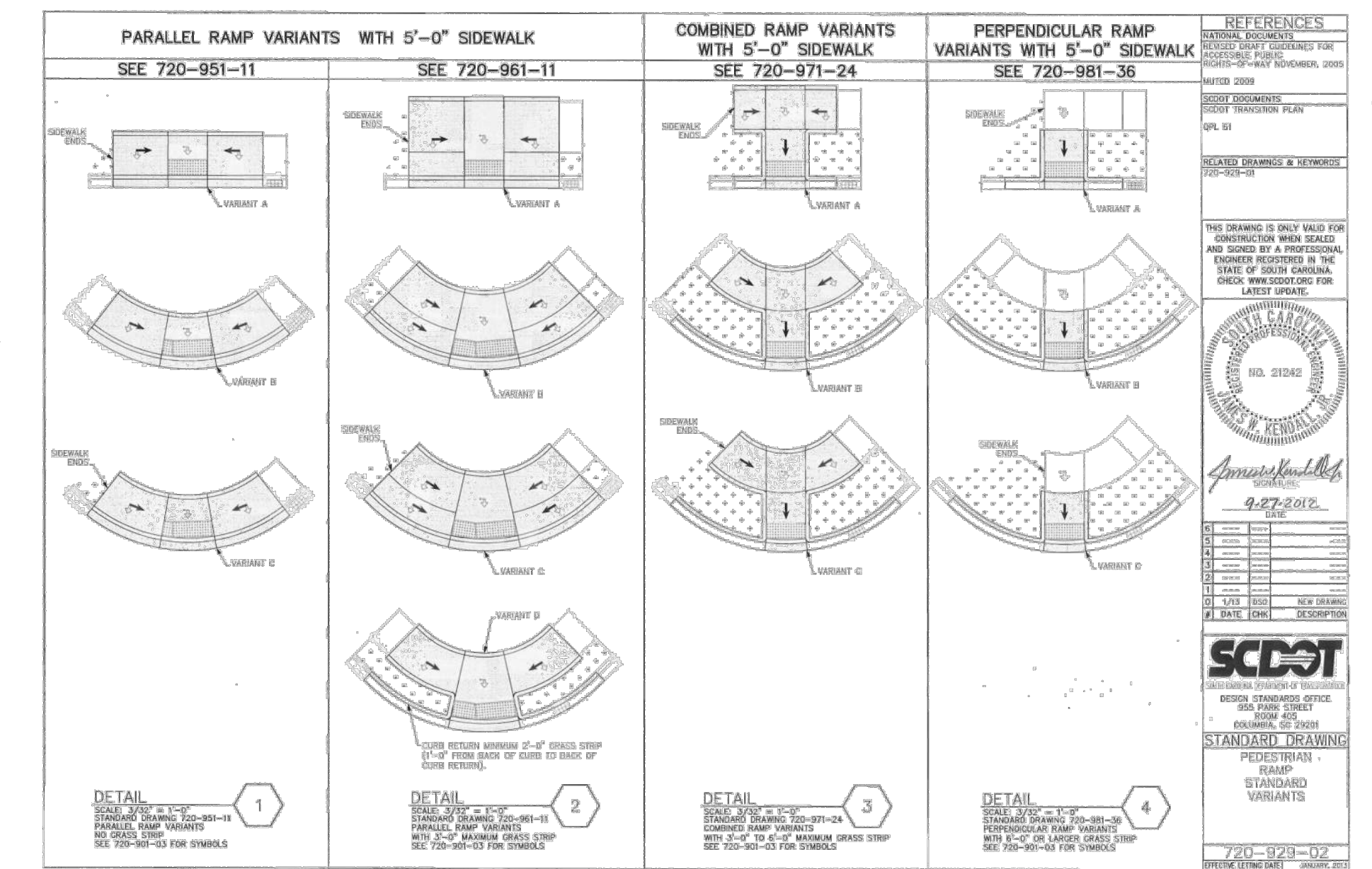
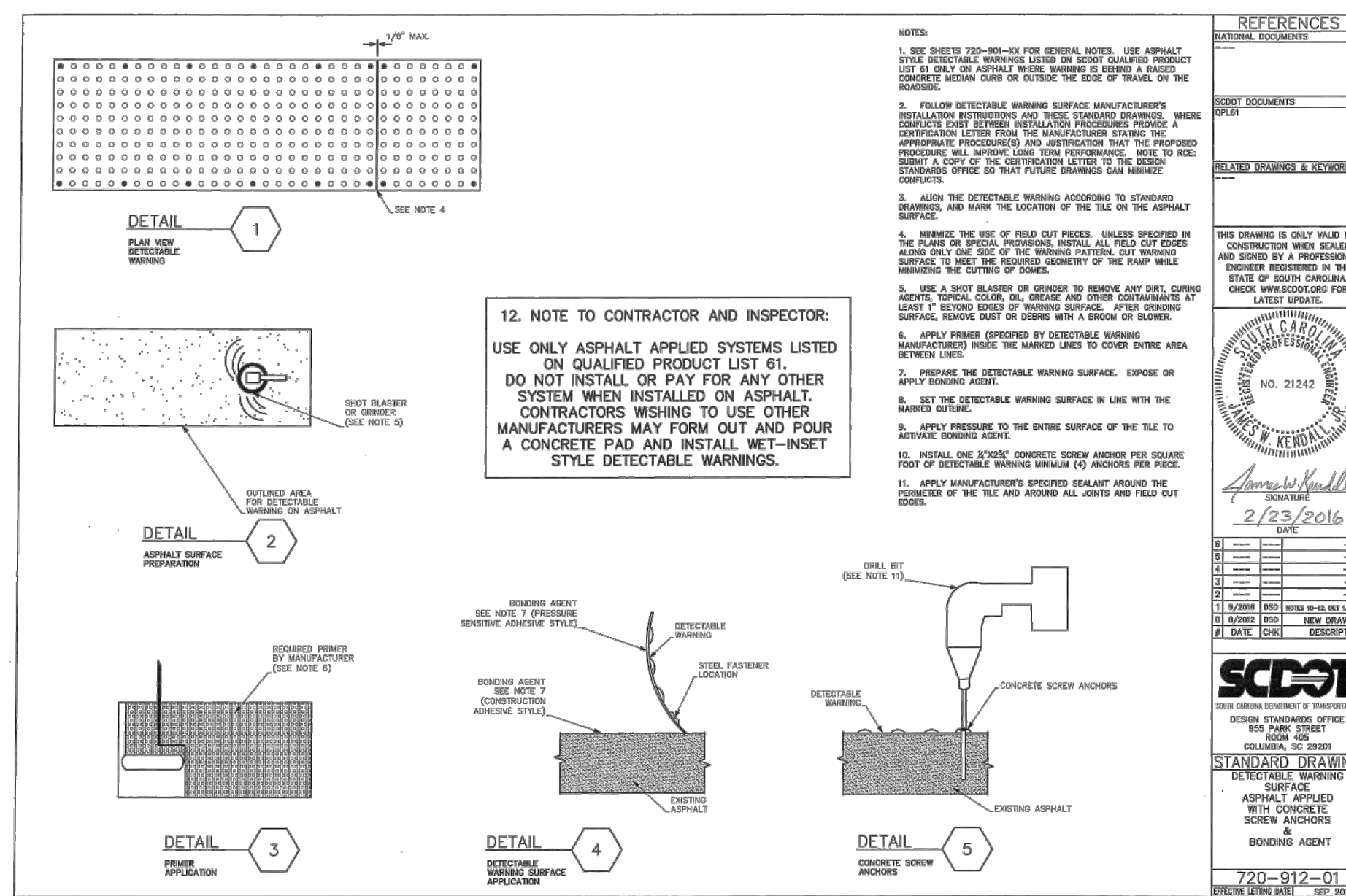
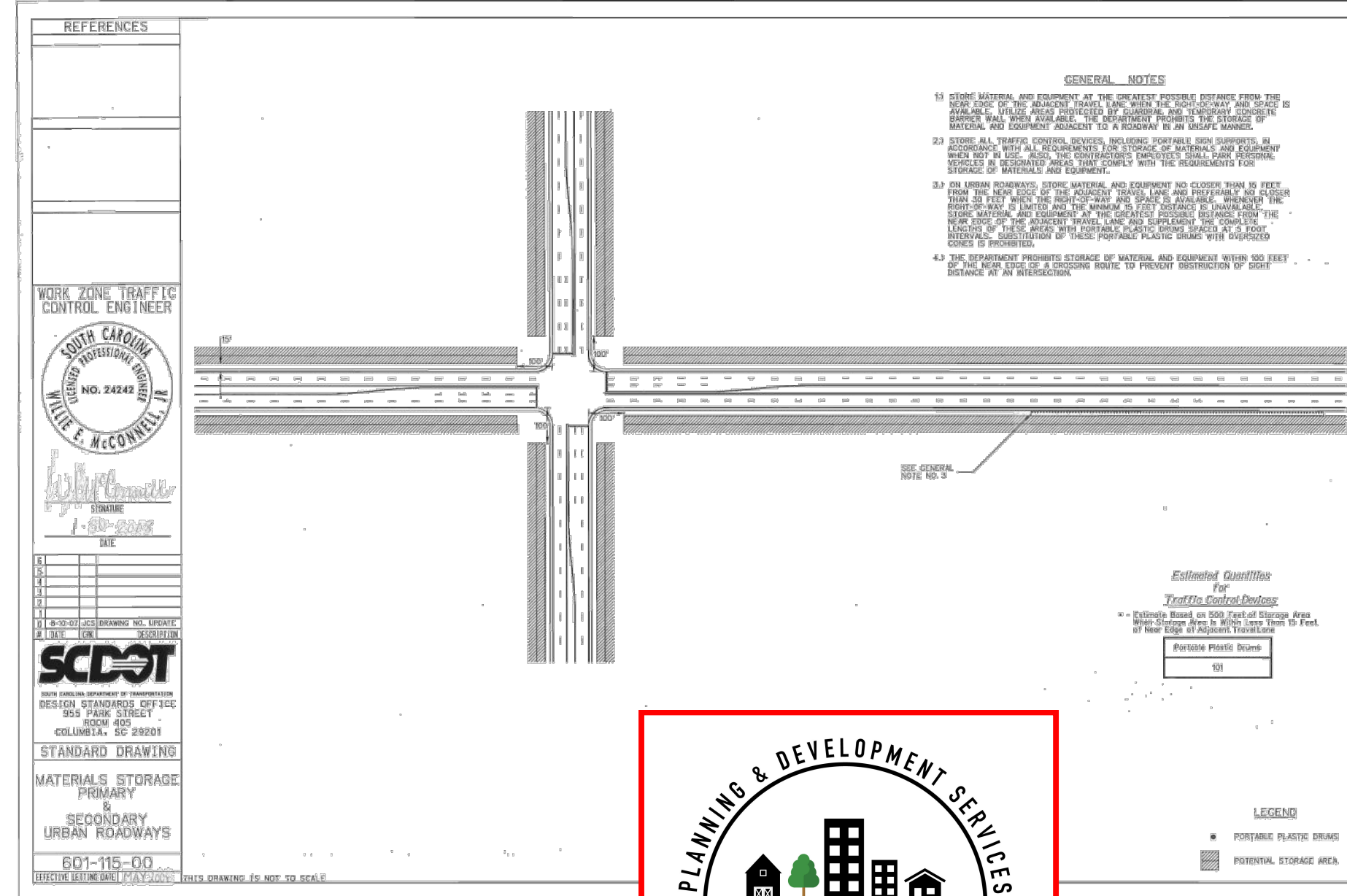
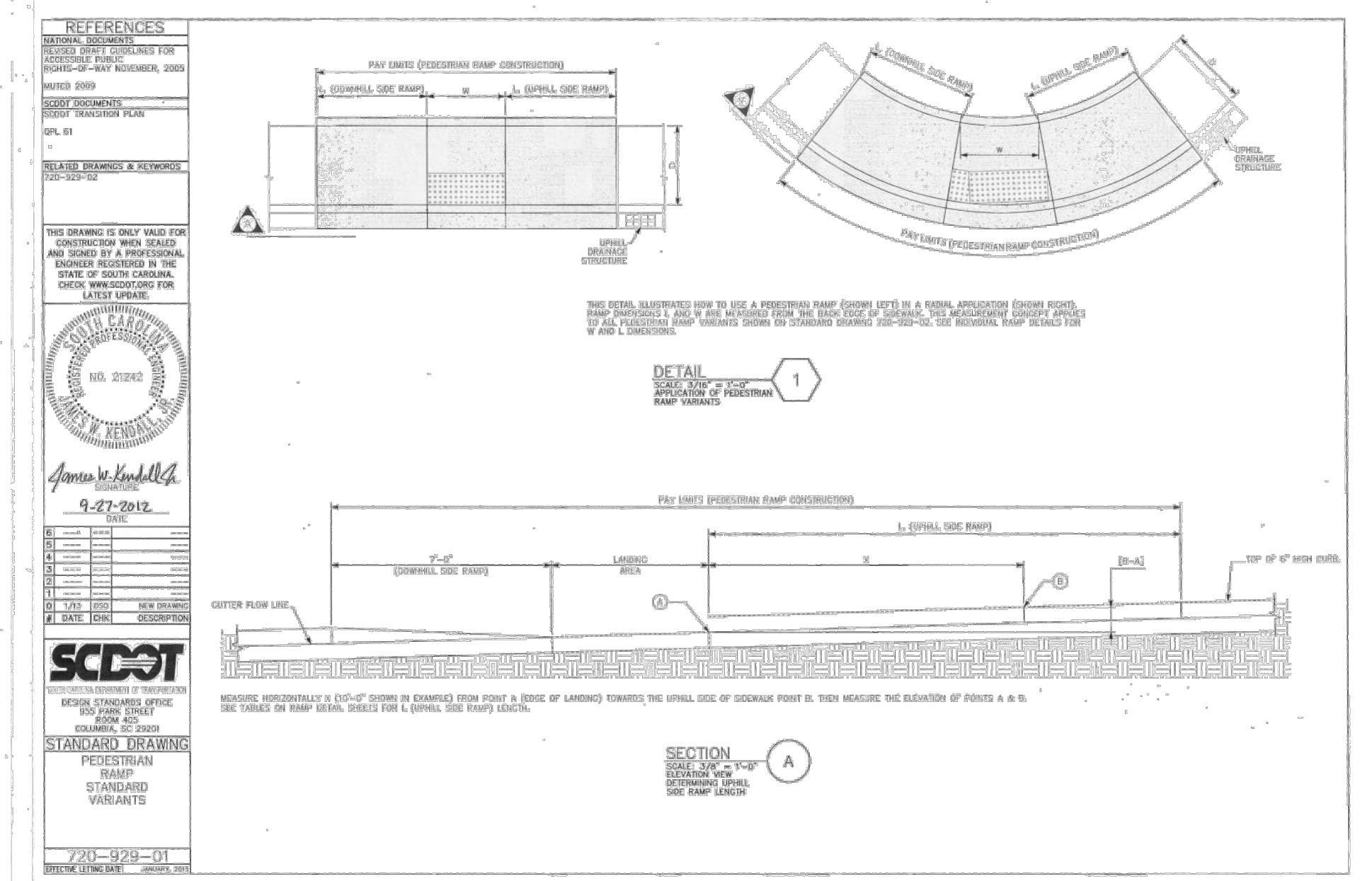
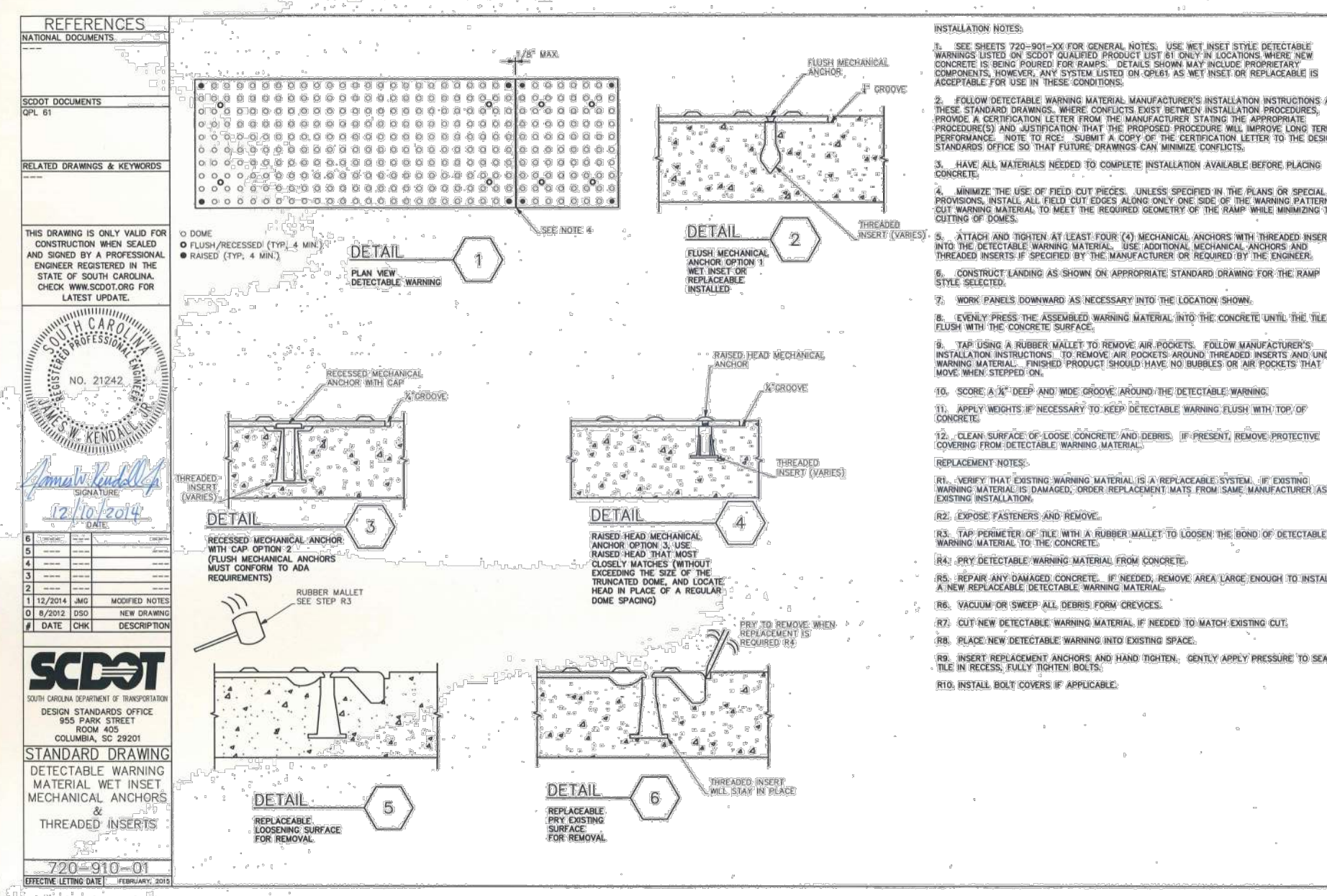
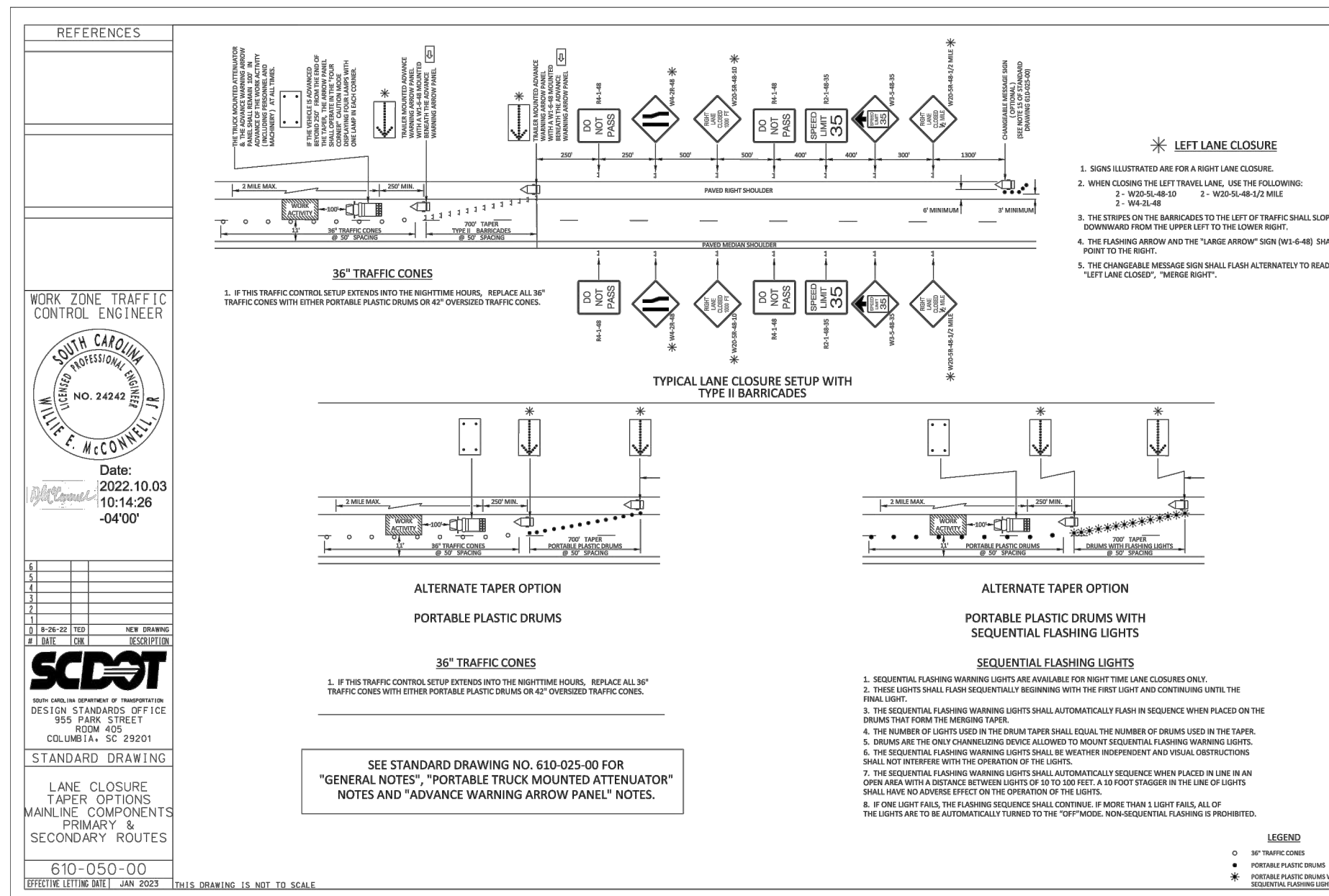
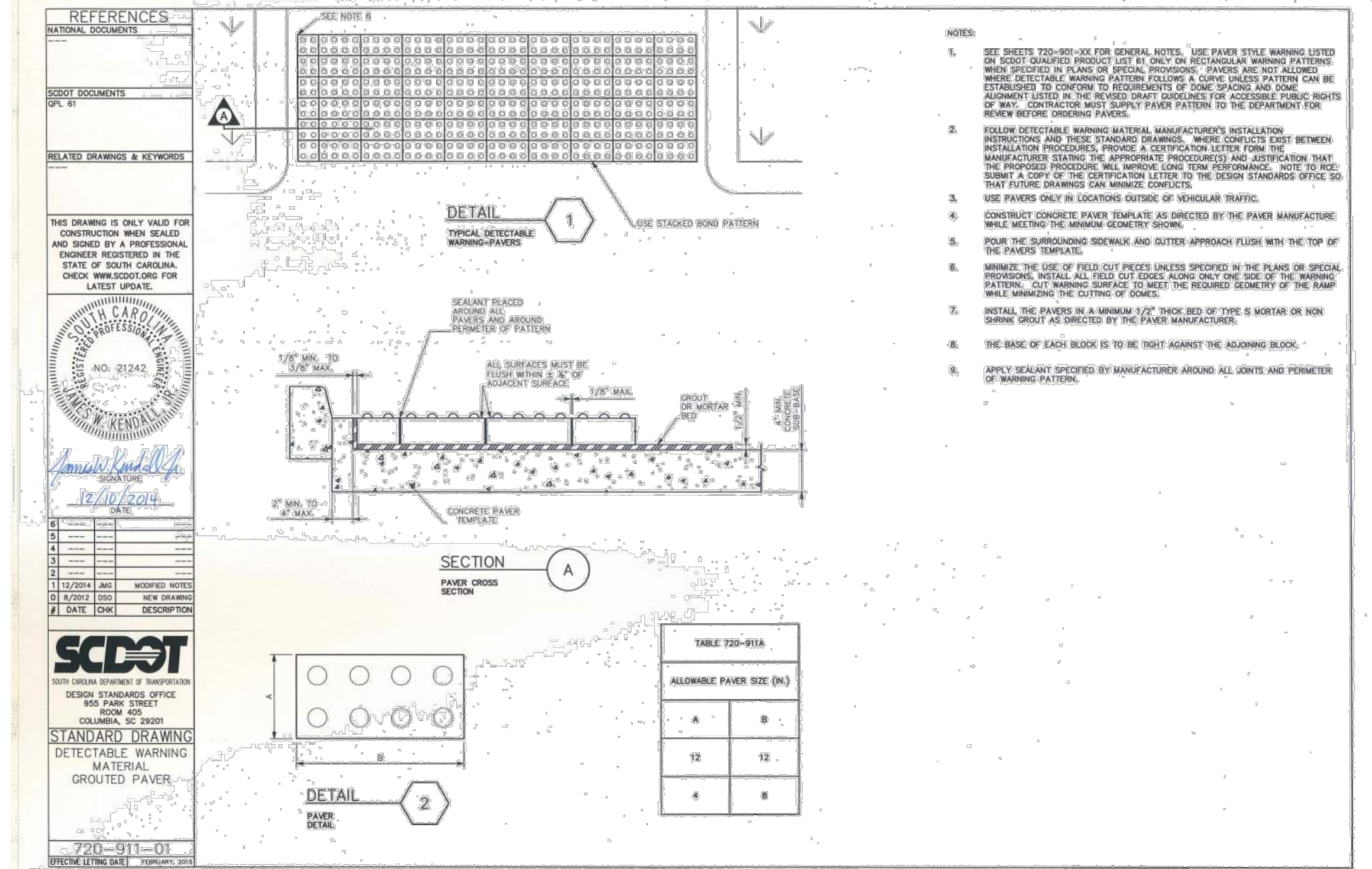
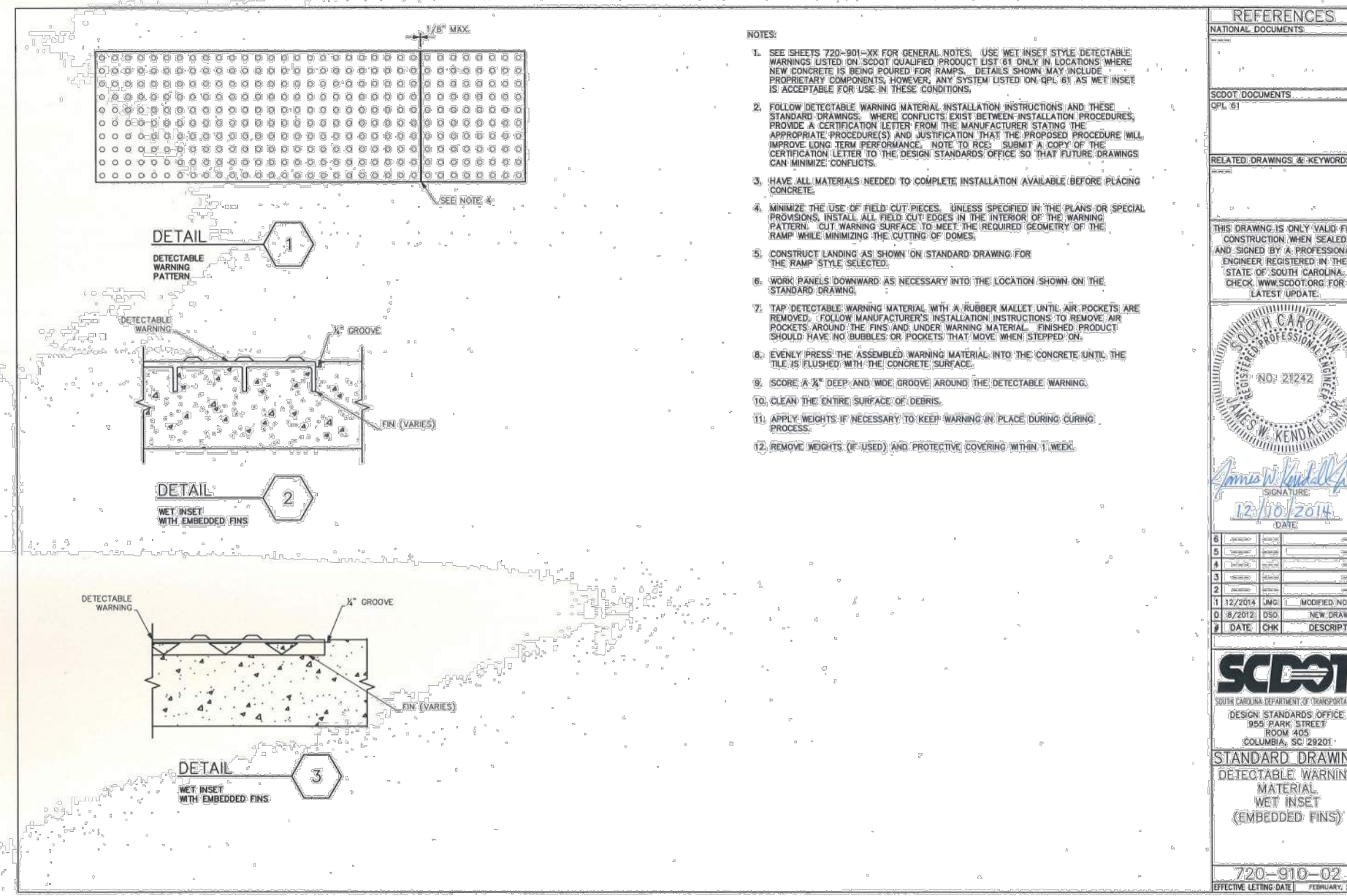
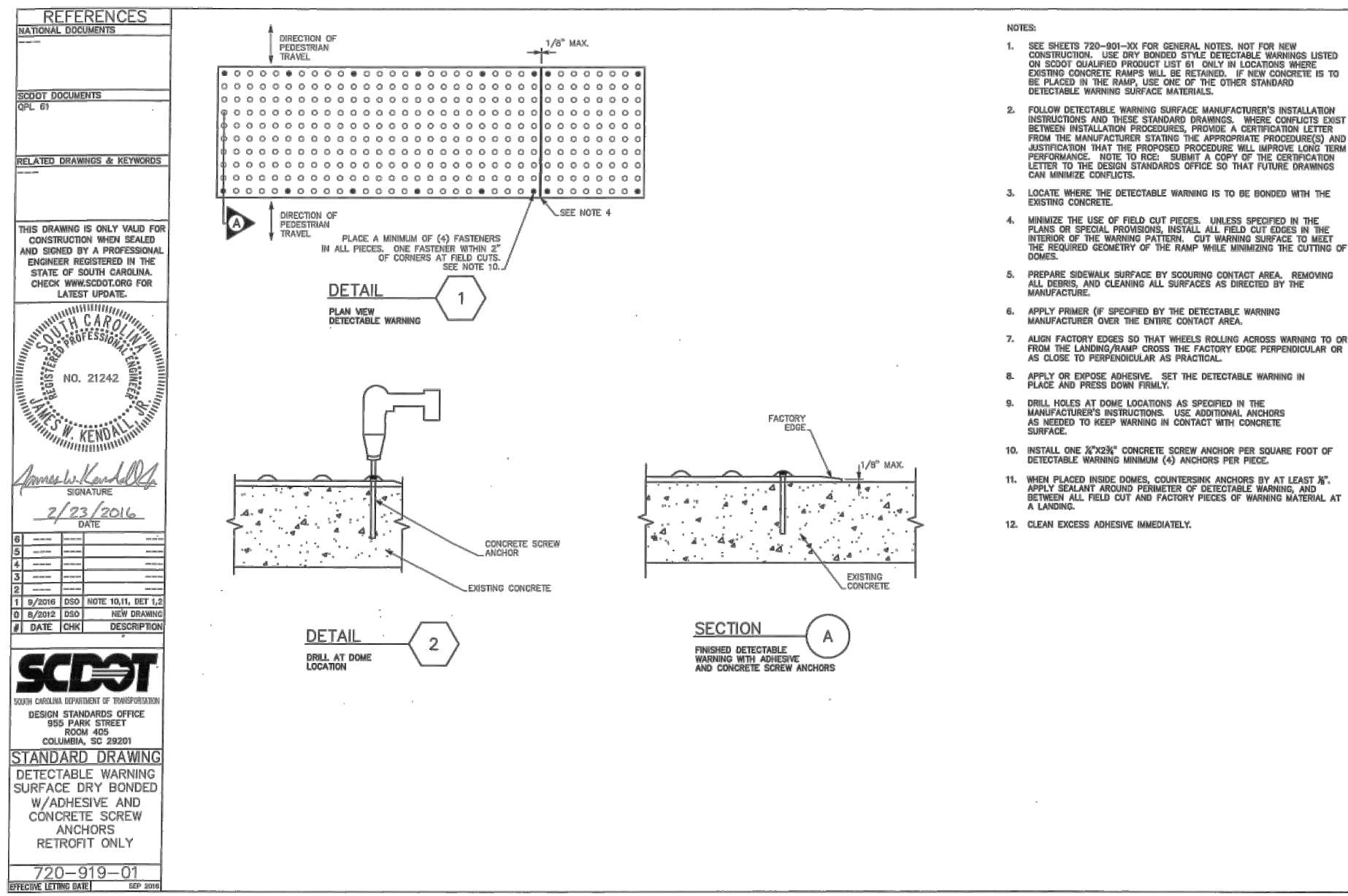
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MANHOLES  
HEAVY DUTY  
CASTING

720-105-01  
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 YORK COUNTY, SC  
**APPROVED**  
 Project No: 20223708  
 Date: 4/4/2024

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SOUTH CAROLINA  
 CERTIFICATE OF AUTHORIZATION  
 No. 5839

SOUTH CAROLINA  
 PROFESSIONAL ENGINEER  
 No. 030911  
 R. A. N. C. TURLIE

NO.	DATE	REVISION

**ROADWAY DETAILS - SHEET 5 OF 5**  
**GOLD HILL ROAD & SPRINGFIELD PKWY.**  
**INTERSECTION IMPROVEMENTS**  
 FORT MILL SCHOOL DISTRICT  
 YORK COUNTY, SC

PROJECT INFORMATION

PROJECT MANAGER:	RCT
DESIGNED BY:	DJH/CEB
DRAWN BY:	DJH/CEB
PROJECT NUMBER:	KT13400
ORIGINAL DATE:	1/19/2024
SHEET:	C7.4

  
**811**  
 Know what's below.  
 Call before you dig.

V:\KT13\_400 - FMSD Edwards Campus\_Online Road Improvements\KT13-OS-ROAD-DTL-5.dwg, ROADWAY DETAILS - SHEET 5 OF 5.rvt

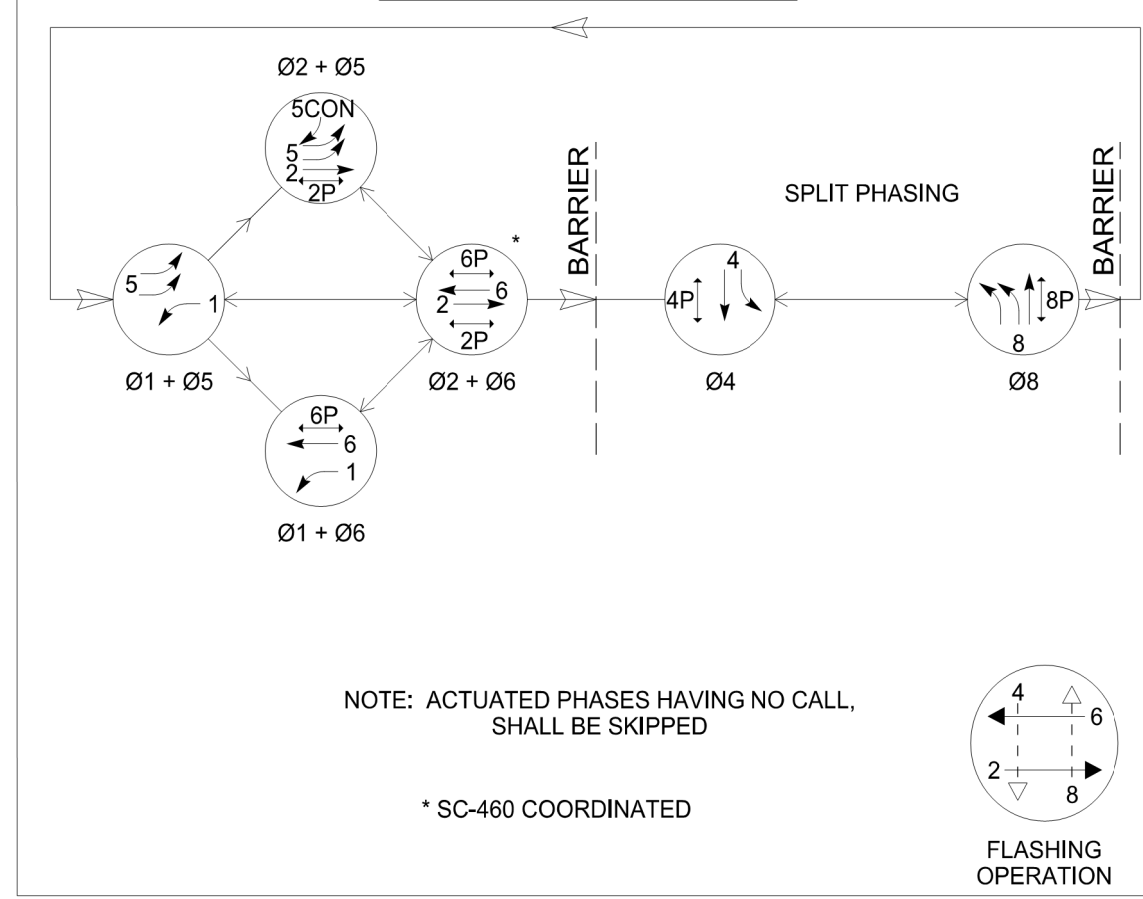
### SIGNAL EQUIPMENT

ONE (1) 8-PHASE FULLY ACTUATED STANDARD 2070 CONTROLLER WITH FLASHER, SIGNAL MONITOR UNIT, AND BASE-MOUNTED 332A CABINET.  
6 ORACLE, (2)-CHANNEL VEHICLE DETECTOR UNITS

HEAD NUMBER	1,2F	2	4A	4	4,5CON	5	6	8A	8	2P	4P	6P	8P
LENS	←R	R	←R	R	R	←R	R	←R	R	←R	R	←R	R
SIZE	12"	12"	12"	12"	12"	12"	12"	12"	12"	16"	16"	16"	16"
QUANTITY	1	2	1	1	2	2	2	2	2	2	2	2	2

OLA: Ø1 + Ø2 (FYA)      OLC:      OLB:      OLD:      CABINET:      EXT.      PROP.      VEHICLE SIGNALS:      EXT.      PROP.      METAL STRAIN POLES:      EXT.      PROP.      SPLICE BOXES:      EXT.      PROP.      INDUCTANCE LOOPS:      EXT.      PROP.      SIGNS:      EXT.      PROP.      PEDESTRIAN SIGNALS:      EXT.      PROP.      W/ACTUATION & SIGN      EXT.      PROP.      PEDESTRIAN POLE/BASE:      EXT.      PROP.

### NEMA PHASING



### VEHICLE DETECTOR INSTALLATION CHART

PHASE/ LOOP LTR#	DETECTOR		WIRED TO PHASE(S)	LOCK	NON-LOCK	PULSE	OPERATION DELAY SEC	EXT SEC	SPECIAL FEATURES TIME OF DAY-TOD, SWITCHING, etc.	LOOP DESIGN		
	AMP NO.	CHAN NO.								SIZE X	NO. OF TURNS	DIST. FROM Ø
1A			1	X	X	X	15	-	Quadrupole	6' X 30'	2-4-2	-3'
			6	X	X	X	3	-				
2A			2	X	-	X	-	-	Loop	6' X 6'	5	200'
2B			2	X	-	X	-	-	Loop	6' X 6'	5	200'
4A			4	X	X	X	3	-	Quadrupole	6' X 30'	2-4-2	-3'
4B			4	X	X	X	-	-	Quadrupole	6' X 30'	5	-3'
4C			4	X	X	X	10	-	Quadrupole	6' X 30'	2-4-2	-3'
5A			5	X	X	X	3	-	Quadrupole	6' X 30'	2-4-2	-3'
5B			5	X	X	X	-	-	Quadrupole	6' X 30'	2-4-2	-3'
6A			6	X	-	X	-	-	Loop	6' X 6'	5	200'
6B			6	X	-	X	-	-	Loop	6' X 6'	5	200'
8A			8	X	X	X	3	-	Quadrupole	6' X 30'	2-4-2	-3'
8B			8	X	X	X	-	-	Quadrupole	6' X 30'	2-4-2	-3'
8C			8	X	X	X	10	-	Quadrupole	6' X 30'	2-4-2	-3'



### TABLE OF OPERATIONS

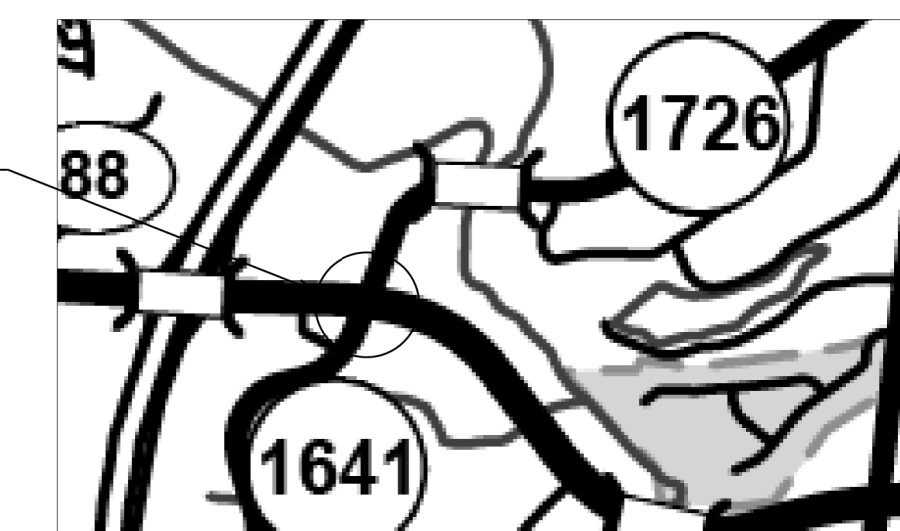
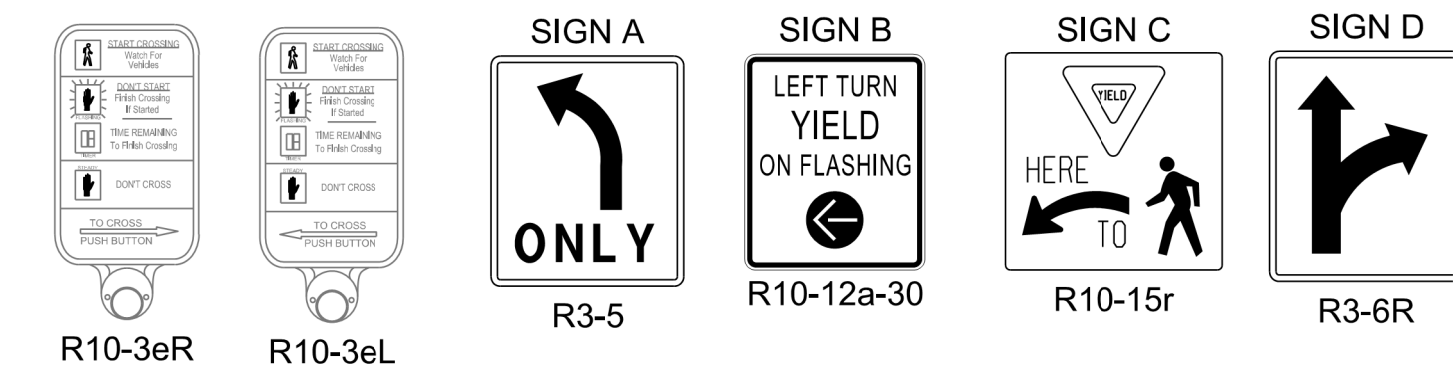
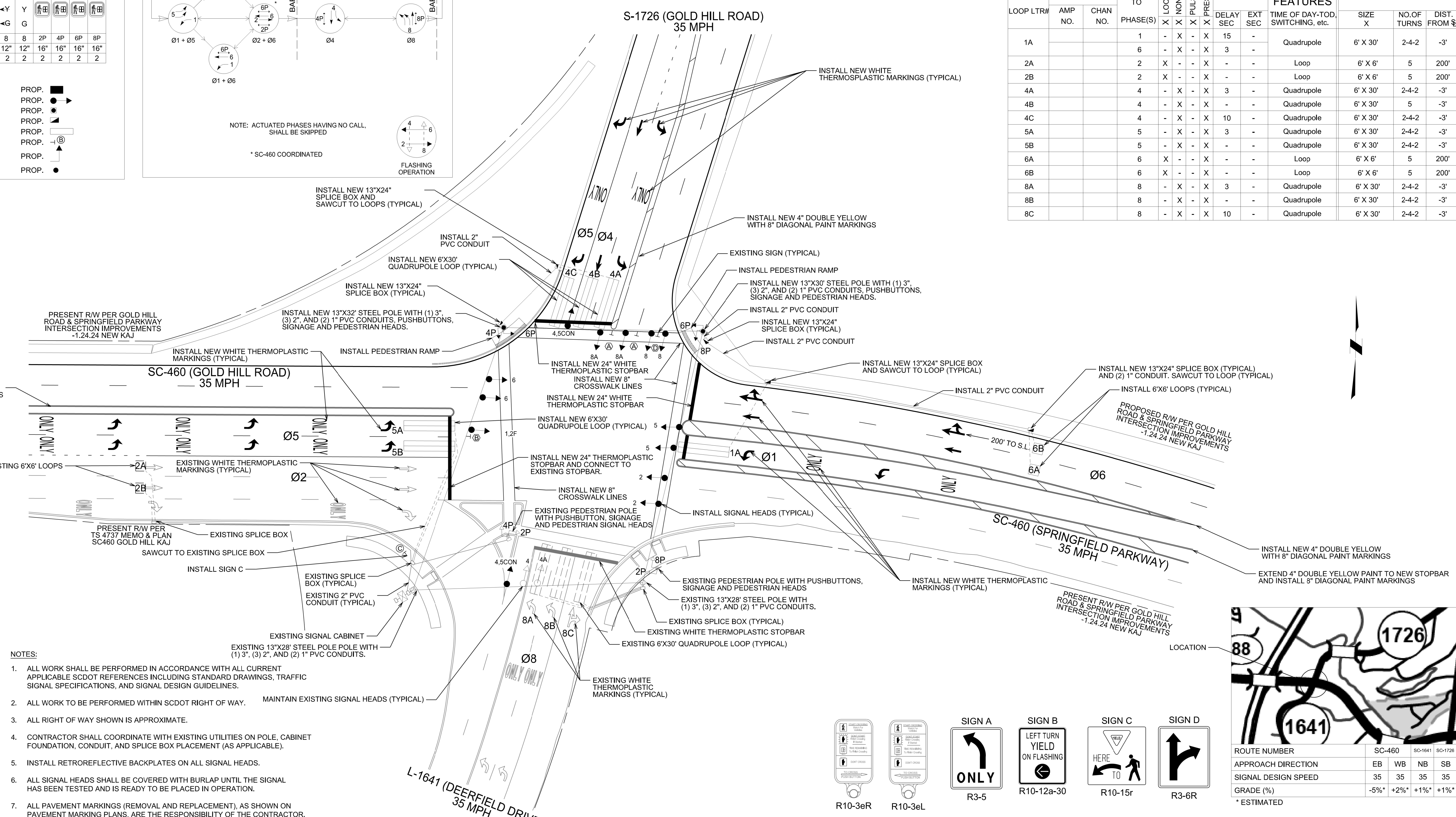
TABLE OF OPERATION	PHASE IN OPERATION								FLASH
	Ø1 + Ø5	Ø1 + Ø6	Ø2 + Ø5	Ø2 + Ø6	Ø4	Ø8	F	A	
1, 2F	←G	←G	←FY	←FY	←R	←R	←Y		
2	R	R	G	G	R	R	Y		
4A	←R	←R	←R	←R	←G	←R	←R		
4	R	R	R	R	G	R	R		
4, 5CON	R	G	R	G	R	G	R		
5	←G	←R	←G	←R	←R	←R	←Y		
6	R	G	R	G	R	R	Y		
8A	←R	←R	←R	←R	←R	←G	R		
8	R	R	R	R	R	G	R		
2P	DW	DW	W	W	DW	DW	DRK		
4P	DW	DW	DW	DW	W	DW	DRK		
6P	DW	W	DW	W	DW	DW	DRK		
8P	DW	DW	DW	DW	W	DRK			

### NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL CURRENT APPLICABLE SCDOT REFERENCES INCLUDING STANDARD DRAWINGS, TRAFFIC SIGNAL SPECIFICATIONS, AND SIGNAL DESIGN GUIDELINES.
- ALL WORK TO BE PERFORMED WITHIN SCDOT RIGHT OF WAY. MAINTAIN EXISTING SIGNAL HEADS (TYPICAL).
- ALL RIGHT OF WAY SHOWN IS APPROXIMATE.
- CONTRACTOR SHALL COORDINATE WITH EXISTING UTILITIES ON POLE, CABINET FOUNDATION, CONDUIT, AND SPLICE BOX PLACEMENT (AS APPLICABLE).
- INSTALL RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS.
- ALL SIGNAL HEADS SHALL BE COVERED WITH BURLAP UNTIL THE SIGNAL HAS BEEN TESTED AND IS READY TO BE PLACED IN OPERATION.
- ALL PAVEMENT MARKINGS (REMOVAL AND REPLACEMENT), AS SHOWN ON PAVEMENT MARKING PLANS, ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL INSTALLATION AND REMOVAL SHALL BE PER SCDOT STANDARDS.
- CONTACT SCDOT DISTRICT 4 SIGNAL SHOP TO SCHEDULE PRELIMINARY INSPECTION AT SPECIFIC "MILESTONES" DURING SIGNAL CONSTRUCTION. MEETINGS SHALL BE SCHEDULED AT LEAST 24 HOURS IN ADVANCE. MILESTONES ARE (AS APPLICABLE):  
1) MEETING WITH SIGNAL CONTRACTOR BEFORE ANY WORK COMMENCES.  
2) INSTALLATION OF CONDUITS, CABLES, AND POLES.  
3) INSTALLATION OF SIGNAL HEADS.  
4) INSTALLATION OF VEHICLE DETECTOR LOOPS.  
5) SIGNAL BEING PLACED IN OPERATION.
- SIGNAL TIMINGS TO BE FIELD OPTIMIZED WHEN CONSTRUCTION COMPLETE.
- CONTRACTOR TO PASS SPAN WIRE 12" OVER ADJACENT MESSENGER CABLE BUT BELOW POWERLINE WHEN INSTALLING NEW METAL STRAIN POLES.

### SIGNAL TIMINGS

INTERVAL	PHASE							
	1	2	4	5	6	8		
WALK	-	7	7	-	7	7		
DON'T WALK	-	22	28	-	28	33		
MIN INITIAL	8	15	8	8	15	8		
MAX INITIAL	-	24	-	-	24	-		
ADD/VEH	-	1.5	-	-	1.5	-		
VEH EXT	3.0	6.0	3.0	3.0	6.0	3.0		
TIM BFR REDUC	-	-	-	-	-	-		
TIME TO REDUC	-	-	-	-	-	-		
MIN GAP	3.0	2.5	3.0	3.0	2.5	3.0		
MAX LIMIT	20	45	30	20	45	30		
MAXIMUM 2	-	-	-	-	-	-		
YELLOW	3.0	4.1	3.5	3.0	4.1	3.5		
RED CLEAR	3.6	3.6	3.7	3.9	3.6	3.7		
MIN RECALL	-	MIN	-	-	MIN	-		
LOCK CALLS	-	X	-	-	X	-		
DUAL ENTRY	-	-	-	-	-	-		
ENABLE SIMUL GAP	ON	ON	ON	ON	ON	ON		



ROUTE NUMBER	SC-460	SC-1641	SC-1726
APPROACH DIRECTION	EB	WB	NB SB
SIGNAL DESIGN SPEED	35	35	35 35
GRADE (%)	-5%*	+2%*	+1%* +1%*

\* ESTIMATED

Prepared For: **TRAFFIC SIGNAL PLAN**  
SC-460 (Gold Hill Road / Springfield Parkway) at S-1726 (Gold Hill Road) / L-1641 (Deerfield Drive)

District 4 York County Fort Mill, SC  
Plan Date: March 2024 Reviewed By: Zachary Esposito  
Prepared By: Kyla Jones DRMP Project Number: 23372

Prepared By: **DRMP INC.**  
8210 UNIVERSITY EXECUTIVE PARK DR., SUITE 220  
CHARLOTTE, NC 28262  
(704) 549-4260

0 30' 60'

Rev. No. By Date Description of Revision

CERTIFICATE OF AUTHORIZATION DRMP INC. NO. 2620

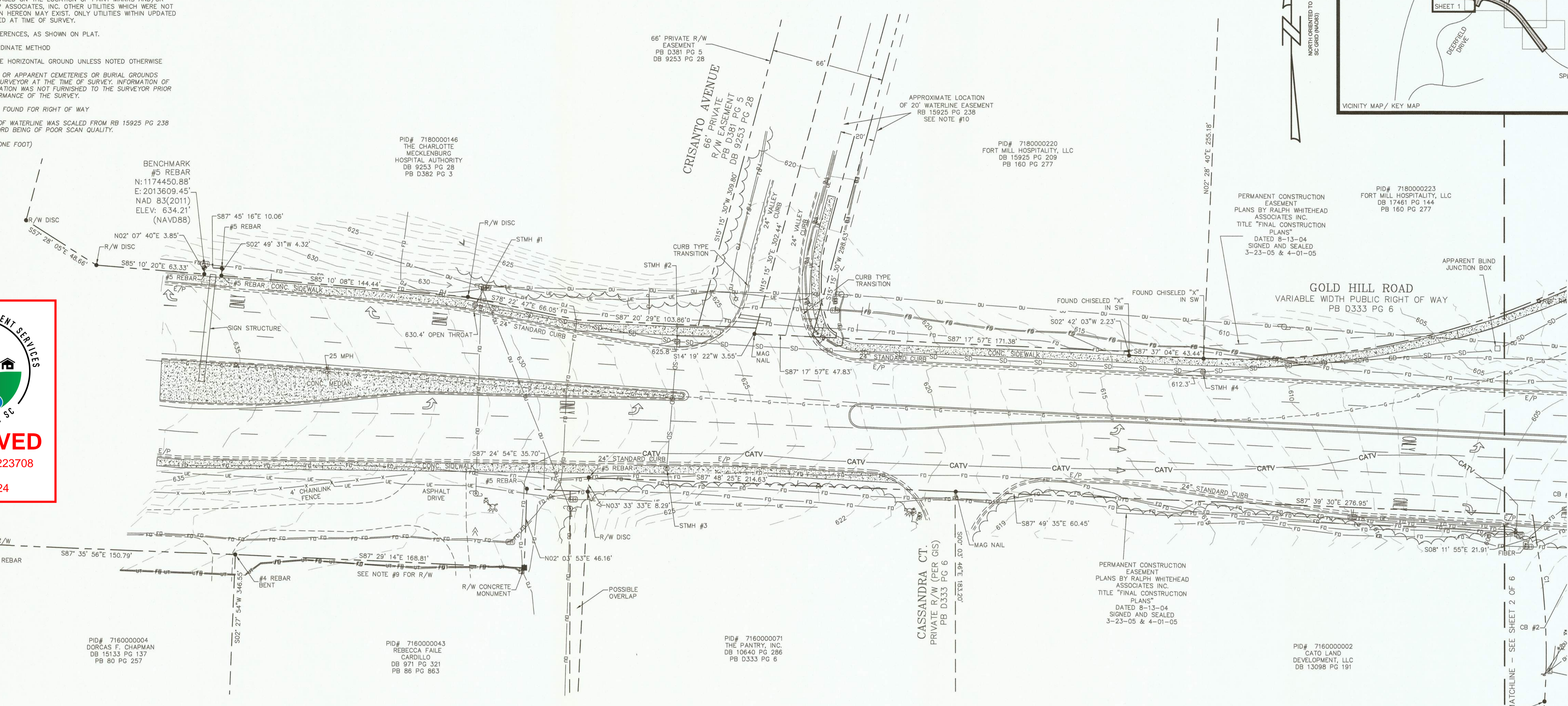
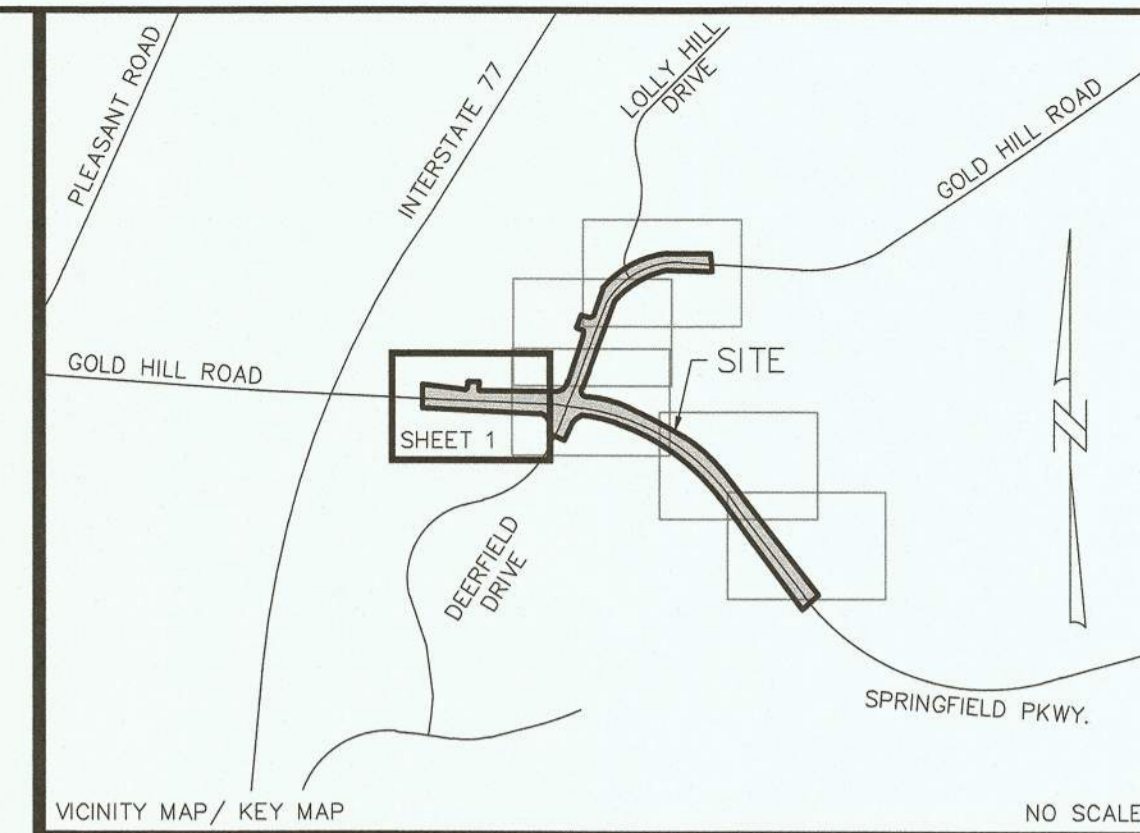
**FOR REVIEW ONLY**

SIGNATURE DATE

TEAMS ID: TS-4734

**GENERAL NOTES:**

- HORIZONTAL CONTROL ESTABLISHED WITH GPS USING SCGS VRS NETWORK. HORIZONTAL DATUM— SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM SCSPCS(NAD 83/2011)
- FIELDWORK COMPLETED: 09/20/23
- A PORTION OF THIS PROPERTY IS GRAPHICALLY LOCATED IN FLOOD ZONE "AE". AREAS DETERMINED TO BE INSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS PER FEMA FIRM MAP, COMMUNITY PANEL 45091C0204F AND 45091C0212F, EFFECTIVE DATE MAY 16, 2017.
- UNDERGROUND UTILITIES BASED ON THE LOCATION OF PAINT MARKS AND/OR PIN FLAGS PLACED BY ESP ASSOCIATES, INC. OTHER UTILITIES WHICH WERE NOT OBSERVED AND NOT SHOWN HEREON MAY EXIST. ONLY UTILITIES WITHIN UPDATED TOPO AREA WERE OBSERVED AT TIME OF SURVEY.
- SUBJECT TRACT DEED REFERENCES, AS SHOWN ON PLAT.
- AREA COMPUTED BY COORDINATE METHOD
- ALL DISTANCES SHOWN ARE HORIZONTAL GROUND UNLESS NOTED OTHERWISE
- NO EVIDENCE OF OBVIOUS OR APPARENT CEMETERIES OR BURIAL GROUNDS WERE OBSERVED BY THE SURVEYOR AT THE TIME OF SURVEY. INFORMATION OF THEIR EXISTENCE AND LOCATION WAS NOT FURNISHED TO THE SURVEYOR PRIOR TO OR DURING THE PERFORMANCE OF THE SURVEY.
- NO DEED OF CONVEYANCE FOUND FOR RIGHT OF WAY
- APPROXIMATE LOCATION OF WATERLINE WAS SCALED FROM RB 15925 PG 238 DUE TO EXHIBIT ON RECORD BEING OF POOR SCAN QUALITY.
- CONTOUR INTERVALS 1' (ONE FOOT)



CURVE #	LENGTH	RADIUS	DELTA	BEARING	CHORD
C1	87.51'	375.00'	013°22'13"	S02°23'09"E	87.31'
C2	170.55'	455.35'	021°27'34"	S15°01'46"W	169.55'
C3	161.28'	828.00'	011°09'38"	S21°00'37"W	161.03'
C4	72.65'	56.71'	073°23'48"	S52°16'15"W	67.78'
C5	94.73'	1400.36'	003°52'34"	S79°09'55"E	94.72'
C6	281.33'	1480.00'	010°53'29"	S71°50'29"E	280.91'
C7	55.40'	1255.00'	002°31'46"	S65°07'51"E	55.40'
C8	450.09'	1275.51'	020°13'05"	S53°40'27"E	447.76'
C9	1750.38'	1460.30'	068°40'38"	N71°43'32"W	1647.46'
C10	1683.47'	1404.48'	068°40'38"	S71°43'32"E	1584.48'
C11	288.46'	1460.39'	011°19'02"	N43°02'27"W	287.99'
C12	217.39'	1457.39'	008°32'47"	N52°58'21"W	217.19'
C13	323.19'	1441.32'	012°50'52"	N63°37'07"W	322.52'
C14	302.29'	1432.39'	012°05'30"	S75°44'24"E	301.73'
C15	39.29'	487.87'	004°36'49"	N28°56'56"E	39.27'
C16	196.02'	487.87'	023°01'14"	N42°39'39"E	194.70'
C17	311.78'	487.87'	036°36'58"	N72°24'20"E	306.51'
C18	353.88'	555.83'	036°28'42"	N72°24'27"E	347.93'
C19	222.55'	554.29'	023°00'16"	N42°39'36"E	221.06'
C20	88.17'	553.87'	009°07'16"	N26°41'43"E	88.08'

CURVE #	LENGTH	RADIUS	DELTA	BEARING	CHORD
C21	70.53'	614.08'	006°34'50"	N25°25'30"E	70.49'
C22	67.86'	613.79'	006°20'06"	N31°55'50"E	67.83'
C23	448.41'	460.00'	055°51'10"	N64°27'23"E	430.87'
C28	133.17'	150.69'	050°38'11"	N04°11'24"W	128.88'

OPEN THROAT CATCH BASIN #2  
RIM = 588.28  
INV IN 36" RCP(S) = 581.35  
INV IN 18" RCP(E) = 572.93  
INV OUT 36" RCP(N) = 572.38

OPEN THROAT CATCH BASIN #2  
RIM = 585.92  
INV IN 36" RCP(S) = 571.11  
INV OUT 36" RCP(W) = 570.90

CATCH BASIN #1  
RIM = 602.31  
INV OUT 15" RCP (E) = 599.68

CATCH BASIN #2  
RIM = 602.24  
INV IN 15" RCP (W) = 599.48  
INV IN 18" RCP(S) = 591.89  
INV OUT 24" RCP(NE) = 599.48

CATCH BASIN #3  
RIM = 593.00  
INV OUT 18" RCP (S) = 590.79

CATCH BASIN #4  
RIM = 595.00  
INV IN 18" RCP (N) = 590.78  
INV OUT 18" RCP (SE) = 590.55

FES #1  
RIM = 590.17

STMH #1  
RIM = 630.90'  
INV IN 18" RCP(W) = 622.55  
INV OUT 18" RCP(E) = 622.40

STMH #2  
RIM = 626.66  
INV IN 18" RCP(E) = 619.83  
INV IN 18" RCP(W) = 620.45  
INV IN 18" RCP(S) = 620.19

STMH #3  
RIM = 626.98  
INV IN 18" RCP(N) = 621.00

STMH #4  
RIM = 612.28  
INV IN 18" RCP(W) = 602.50  
INV OUT 18" RCP(E) = 602.40

STMH #5  
RIM = 603.48  
INV IN 18" RCP(S) = 597.50  
INV OUT 18" RCP(N) = 597.12

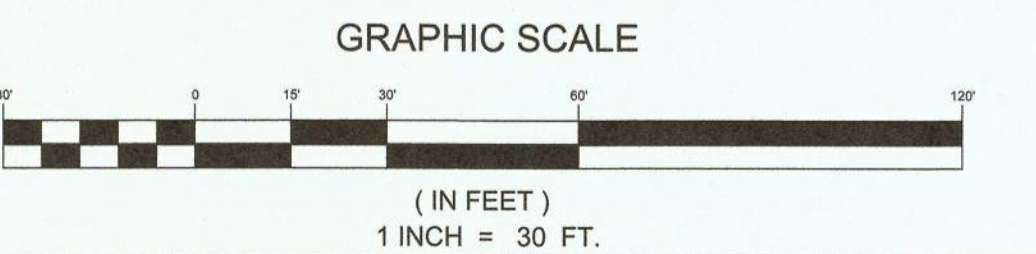
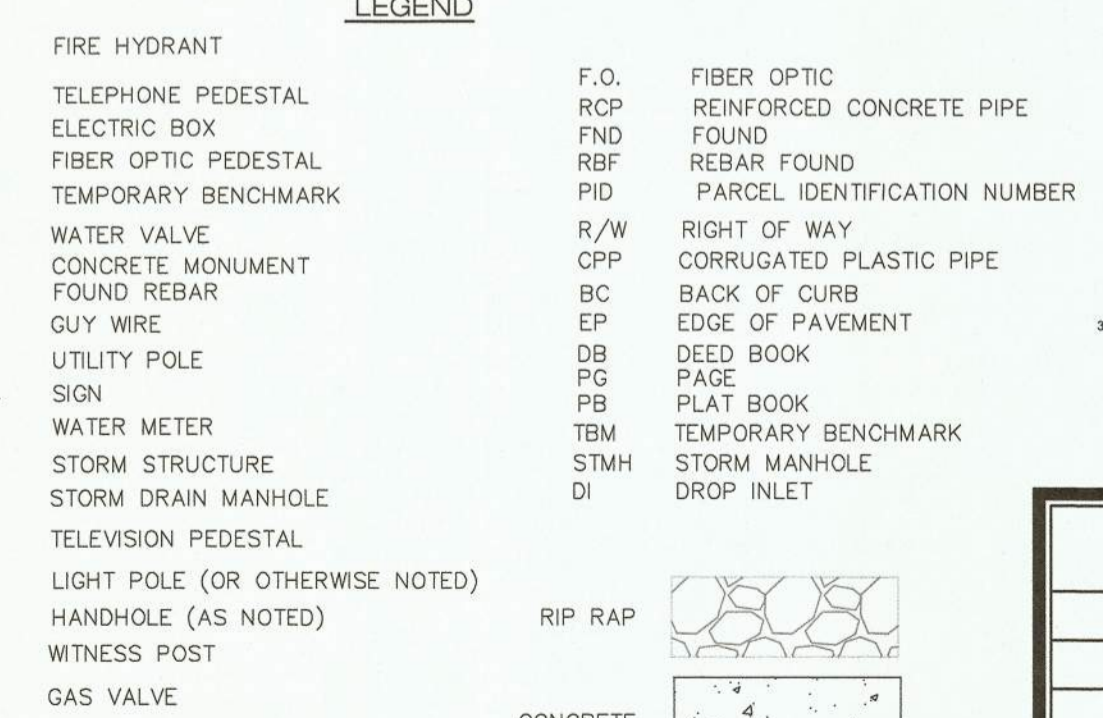
STMH #6  
RIM = 587.66  
INV IN 36" RCP(E) = 570.57  
INV IN 24" RCP(SW) = 578.61  
INV OUT 36" RCP(W) = 570.57

DI #1  
RIM = 597.19  
INV IN 18" RCP(S) = 588.99  
INV IN 18" RCP(S) = 591.89  
INV OUT 24" RCP(NE) = 588.71

DI #2  
RIM = 586.32  
INV IN 18" RCP(N) = 580.70  
INV OUT 18" RCP(W) = 580.70

DI #3  
RIM = 584.34  
INV OUT 18" RCP(S) = 582.00

OPEN THROAT CATCH BASIN #1  
RIM = 603.48  
INV IN 18" RCP(S) = 597.50  
INV OUT 18" RCP(N) = 597.12



NO.	DATE	REVISION	BY

TOPOGRAPHIC SURVEY  
FMSD ELEMENTARY SCHOOL NO. 12  
MIDDLE SCHOOL NO. 7 (EUBANKS)

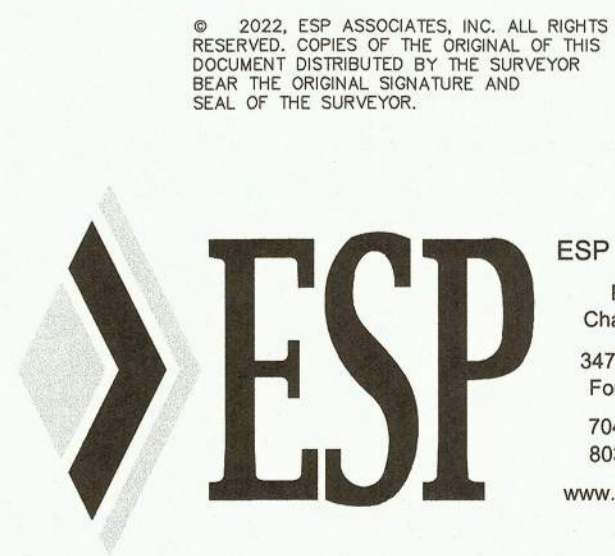
FORT MILL TOWNSHIP  
YORK COUNTY, SOUTH CAROLINA

CLIENT:  
**JUMPER CARTER SEASE ARCHITECTS**  
412 MEETING STREET  
COLUMBIA, SC 29169

PROJECT NO: 23-0814.KT13  
SCALE: 1"=30'  
DATE: SEPTEMBER 14, 2023  
DRAWN BY: GEJ/GAT  
CHECKED BY: JES  
DATE SURVEYED: SEPTEMBER 08, 2023  
DRAWING NO: 23-0814.KT13 (TOPO)  
FMSD.DWG

**1.0**

SHEET 1 OF 6



I HEREBY STATE THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREIN WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS AS SPECIFIED THEREIN.

JAMES E. SAFRIT SCPLS NO. 27459 DATE: 09-21-23



**GENERAL NOTES:**

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PERMANENT CONSTRUCTION EASEMENT PLANS BY RALPH WHITEHEAD ASSOCIATES INC. TITLE "FINAL CONSTRUCTION PLANS" DATED 8-13-04 SIGNED AND SEALED 3-23-05 & 4-01-05

PID# 7180000223 FORT MILL HOSPITALITY, LLC DB 17461 PG 144 PB 160 PG 277

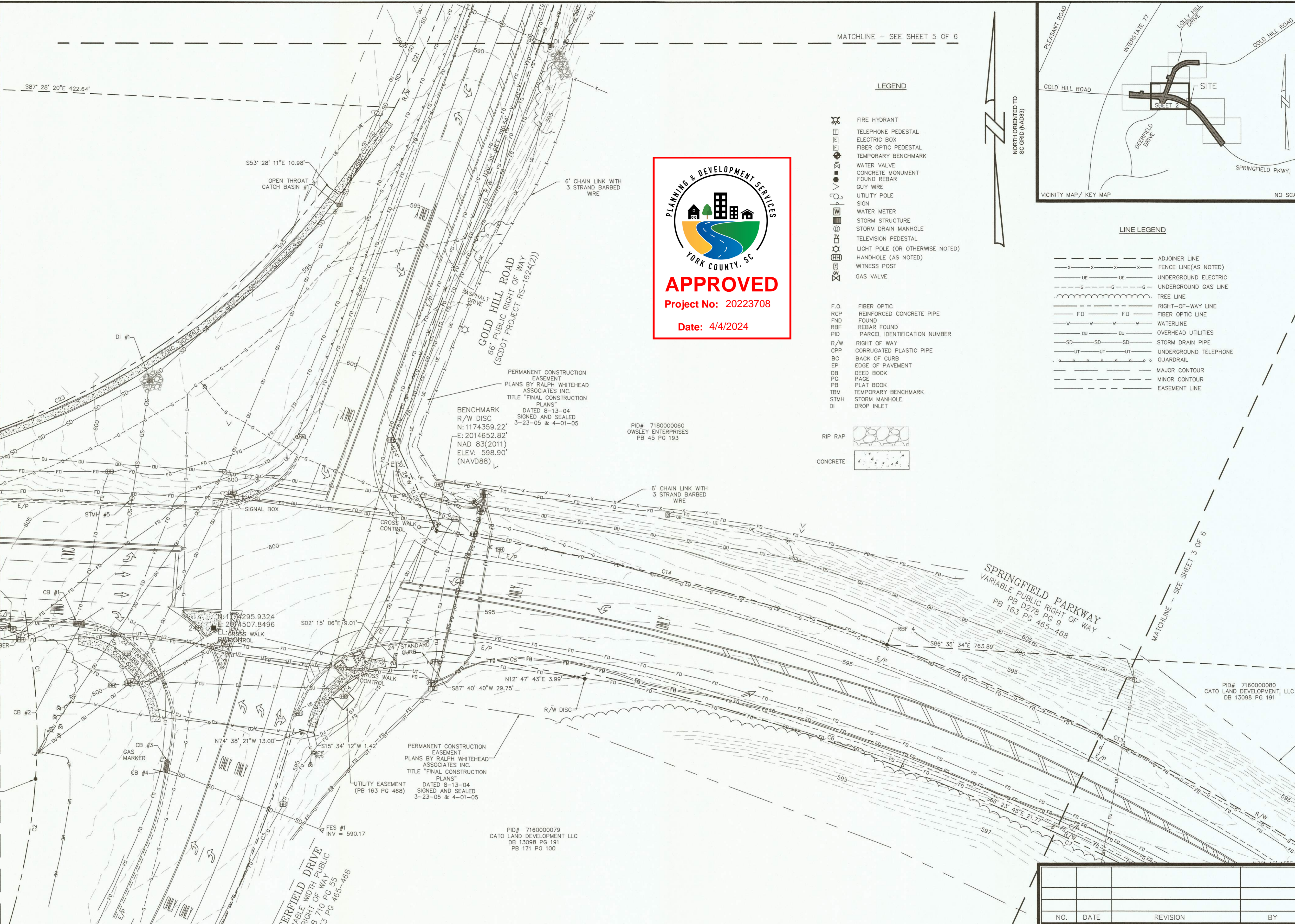
APPARENT BLIND JUNCTION BOX

GOLD HILL ROAD VARIABLE WIDTH PUBLIC RIGHT OF WAY PB D333 PG 6

PID# 7160000002 CATO LAND DEVELOPMENT, LLC DB 13098 PG 191

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 www.espassociates.com



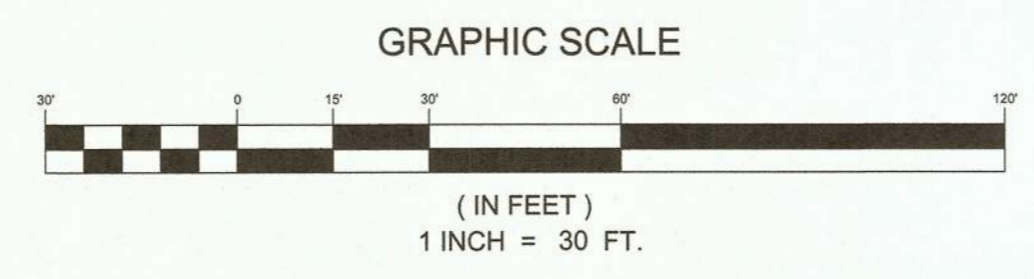
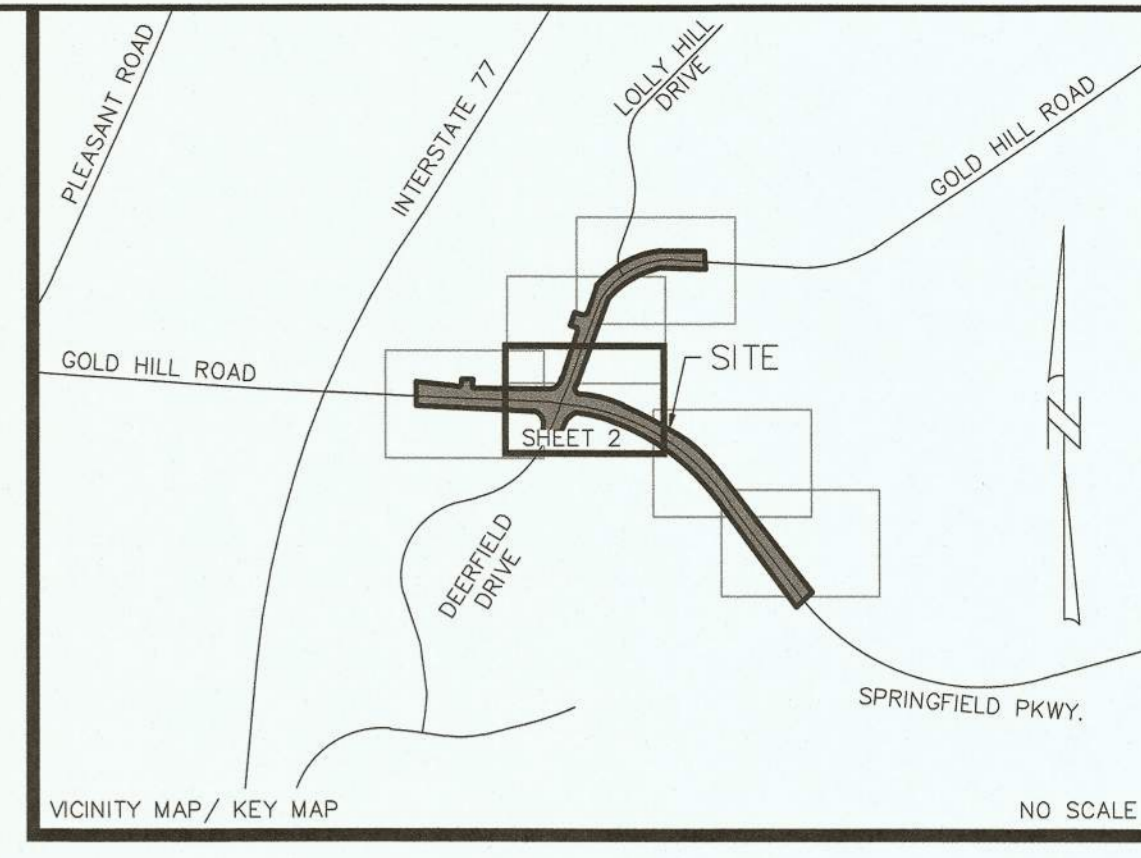
MATCHLINE - SEE SHEET 5 OF 6

**LEGEND**

- FIRE HYDRANT
  - TELEPHONE PEDESTAL
  - ELECTRIC BOX
  - FIBER OPTIC PEDESTAL
  - TEMPORARY BENCHMARK
  - WATER VALVE
  - CONCRETE MONUMENT
  - FOUND REBAR
  - GUY WIRE
  - UTILITY POLE
  - SIGN
  - WATER METER
  - STORM STRUCTURE
  - STORM DRAIN MANHOLE
  - TELEVISION PEDESTAL
  - LIGHT POLE (OR OTHERWISE NOTED)
  - HANDHOLE (AS NOTED)
  - WITNESS POST
  - GAS VALVE
- 
- F.O. FIBER OPTIC
  - RCP REINFORCED CONCRETE PIPE
  - FND FOUND
  - RFB REBAR FOUND
  - PID PARCEL IDENTIFICATION NUMBER
  - R/W RIGHT OF WAY
  - CPP CORRUGATED PLASTIC PIPE
  - BC BACK OF CURB
  - EP EDGE OF PAVEMENT
  - DB DEED BOOK
  - PG PAGE
  - PB PLAT BOOK
  - TBM TEMPORARY BENCHMARK
  - STMH STORM MANHOLE
  - DI DROP INLET
- 
- RIP RAP
  - CONCRETE

**LINE LEGEND**

- ADJOINER LINE
- FENCE LINE (AS NOTED)
- UNDERGROUND ELECTRIC
- UNDERGROUND GAS LINE
- TREE LINE
- RIGHT-OF-WAY LINE
- FIBER OPTIC LINE
- WATERLINE
- OVERHEAD UTILITIES
- STORM DRAIN PIPE
- UNDERGROUND TELEPHONE
- GUARDRAIL
- MAJOR CONTOUR
- MINOR CONTOUR
- EASEMENT LINE



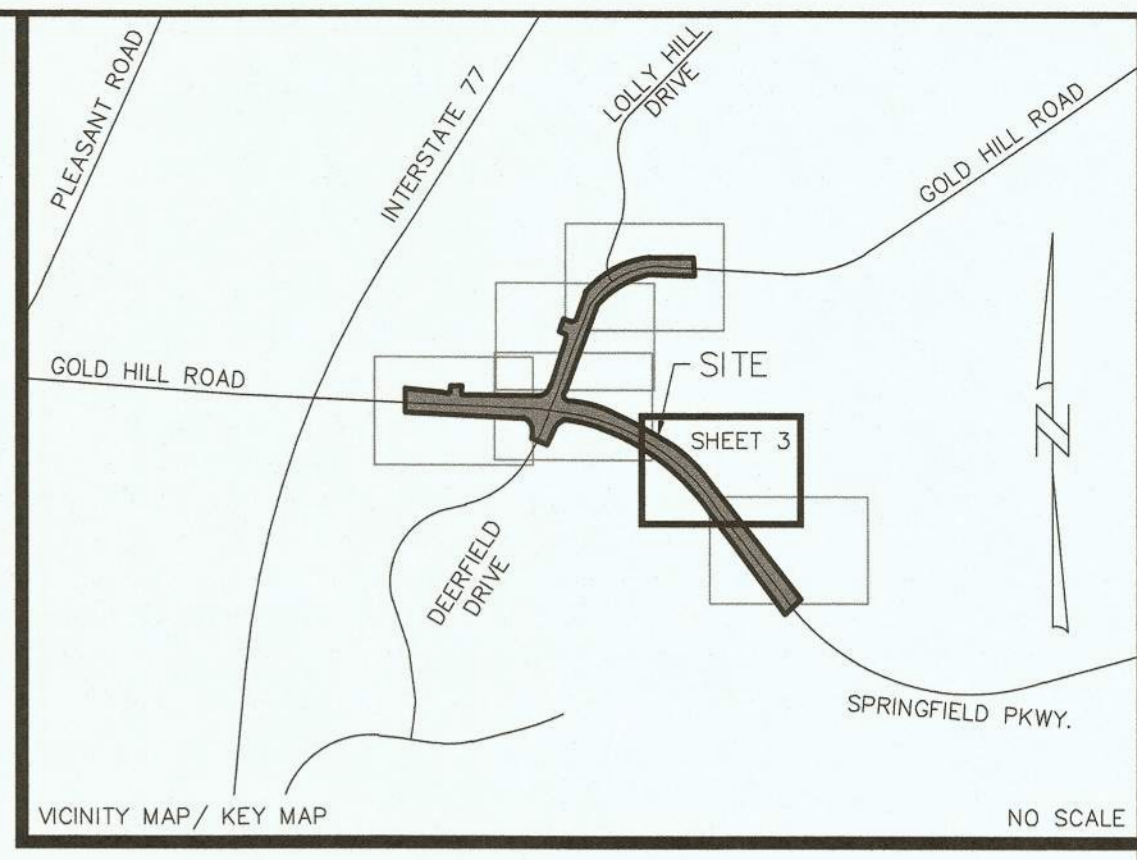
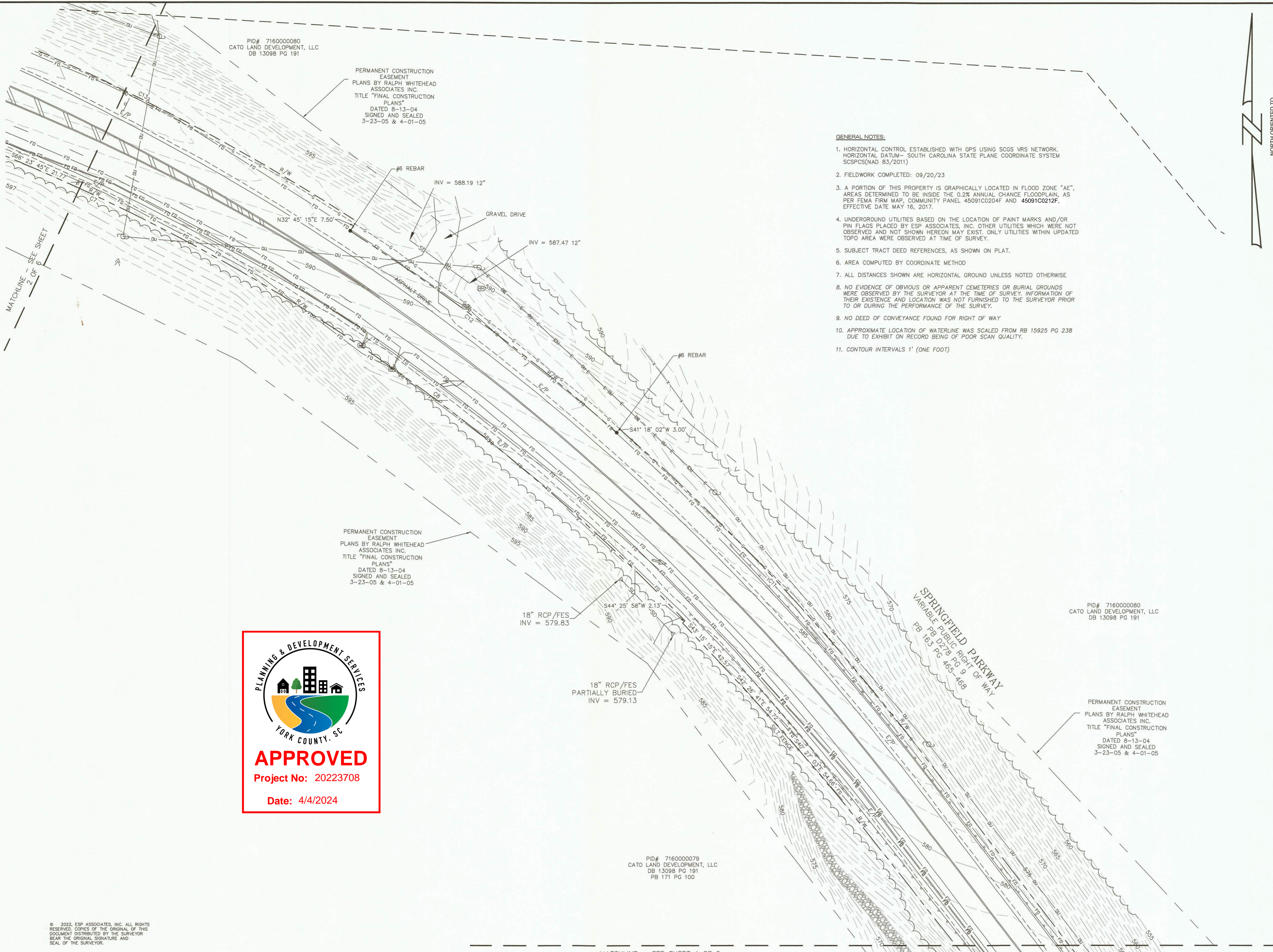
JAMES E. SAFRIT SCLS NO. 27459 DATE 10-31-23



NO.	DATE	REVISION	BY

TOPOGRAPHIC SURVEY FMSD ELEMENTARY SCHOOL NO. 12 MIDDLE SCHOOL NO. 7 (EUBANKS)	PROJECT NO 23-0814.KT13 SCALE 1"=30' DATE SEPTEMBER 25, 2023 DRAWN BY GEJ/GAT
FORT MILL TOWNSHIP YORK COUNTY, SOUTH CAROLINA	CHECKED BY JES DATE SURVEYED SEPTEMBER 09, 2023 DRAWING NO 23-0814.KT13 (TOPO) FMSD.DWG
CLIENT: <b>JUMPER CARTER SEASE ARCHITECTS</b> 412 MEETING STREET COLUMBIA, SC 29169	<b>2.0</b> SHEET 2 OF 8

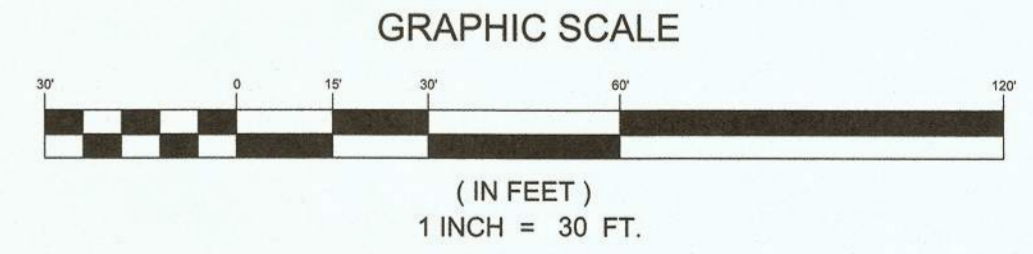


- GENERAL NOTES:**
- HORIZONTAL CONTROL ESTABLISHED WITH GPS USING SCGS VRS NETWORK. HORIZONTAL DATUM - SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM SCSPCS(NAD 83/2011)
  - FIELDWORK COMPLETED: 09/20/23
  - A PORTION OF THIS PROPERTY IS GRAPHICALLY LOCATED IN FLOOD ZONE "AE". AREAS DETERMINED TO BE INSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS PER FEMA FIRM MAP, COMMUNITY PANEL 45091C0204F AND 45091C0212F. EFFECTIVE DATE MAY 16, 2017.
  - UNDERGROUND UTILITIES BASED ON THE LOCATION OF PAINT MARKS AND/OR PIN FLAGS PLACED BY ESP ASSOCIATES, INC. OTHER UTILITIES WHICH WERE NOT OBSERVED AND NOT SHOWN HEREON MAY EXIST. ONLY UTILITIES WITHIN UPDATED TOPO AREA WERE OBSERVED AT TIME OF SURVEY.
  - SUBJECT TRACT DEED REFERENCES, AS SHOWN ON PLAT.
  - AREA COMPUTED BY COORDINATE METHOD
  - ALL DISTANCES SHOWN ARE HORIZONTAL GROUND UNLESS NOTED OTHERWISE
  - NO EVIDENCE OF OBVIOUS OR APPARENT CEMETERIES OR BURIAL GROUNDS WERE OBSERVED BY THE SURVEYOR AT THE TIME OF SURVEY. INFORMATION OF THEIR EXISTENCE AND LOCATION WAS NOT FURNISHED TO THE SURVEYOR PRIOR TO OR DURING THE PERFORMANCE OF THE SURVEY.
  - NO DEED OF CONVEYANCE FOUND FOR RIGHT OF WAY
  - APPROXIMATE LOCATION OF WATERLINE WAS SCALED FROM RB 15925 PG 238 DUE TO EXHIBIT ON RECORD BEING OF POOR SCAN QUALITY.
  - CONTOUR INTERVALS 1' (ONE FOOT)

- LINE LEGEND**
- ADJOINER LINE
  - FENCE LINE (AS NOTED)
  - UNDERGROUND ELECTRIC
  - UNDERGROUND GAS LINE
  - TREE LINE
  - RIGHT-OF-WAY LINE
  - FIBER OPTIC LINE
  - WATERLINE
  - OVERHEAD UTILITIES
  - STORM DRAIN PIPE
  - UNDERGROUND TELEPHONE
  - GUARDRAIL
  - MAJOR CONTOUR
  - MINOR CONTOUR
  - EASEMENT LINE

- LEGEND**
- FIRE HYDRANT
  - TELEPHONE PEDESTAL
  - ELECTRIC BOX
  - FIBER OPTIC PEDESTAL
  - TEMPORARY BENCHMARK
  - WATER VALVE
  - CONCRETE MONUMENT
  - FOUND REBAR
  - GUY WIRE
  - UTILITY POLE
  - SIGN
  - WATER METER
  - STORM STRUCTURE
  - STORM DRAIN MANHOLE
  - TELEVISION PEDESTAL
  - LIGHT POLE (OR OTHERWISE NOTED)
  - HANDHOLE (AS NOTED)
  - WITNESS POST
  - GAS VALVE

- F.O. FIBER OPTIC
  - RCP REINFORCED CONCRETE PIPE
  - FND FOUND
  - RBF REBAR FOUND
  - PID PARCEL IDENTIFICATION NUMBER
  - R/W RIGHT OF WAY
  - CPP CORRUGATED PLASTIC PIPE
  - BC BACK OF CURB
  - EP EDGE OF PAVEMENT
  - DB DEED BOOK
  - PG PAGE
  - PB PLAT BOOK
  - TBM TEMPORARY BENCHMARK
  - STMH STORM MANHOLE
  - DI DROP INLET
- RIP RAP  
CONCRETE



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MATCHLINE - SEE SHEET 4 OF 6

I HEREBY STATE THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREIN WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS AS SPECIFIED THEREIN.



NO.	DATE	REVISION	BY
<b>TOPOGRAPHIC SURVEY</b> <b>FMSD ELEMENTARY SCHOOL NO. 12</b> <b>MIDDLE SCHOOL NO. 7 (EUBANKS)</b>			
PROJECT NO: 23-0814.KT13 SCALE: 1"=30' DATE: SEPTEMBER 25, 2023 DRAWN BY: GEJ/GAT CHECKED BY: JES DATE SURVEYED: SEPTEMBER 09, 2023 DRAWING NO: 23-0814.KT13 (TOPO) FMSD.DWG			<b>3.0</b> <small>SHEET 3 OF 6</small>
CLIENT: <b>JUMPER CARTER</b> <b>SEASE ARCHITECTS</b> 412 MEETING STREET COLUMBIA, SC 29169			



**GENERAL NOTES:**

- HORIZONTAL CONTROL ESTABLISHED WITH GPS USING SCGS VRS NETWORK. HORIZONTAL DATUM - SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM SCSPCS(NAD 83/2011)
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- CONTOUR INTERVALS 1' (ONE FOOT)

PERMANENT CONSTRUCTION EASEMENT PLANS BY RALPH WHITEHEAD ASSOCIATES INC. TITLE "FINAL CONSTRUCTION PLANS" DATED 8-13-04 SIGNED AND SEALED 3-23-05 & 4-01-05

PERMANENT CONSTRUCTION EASEMENT PLANS BY RALPH WHITEHEAD ASSOCIATES INC. TITLE "FINAL CONSTRUCTION PLANS" DATED 8-13-04 SIGNED AND SEALED 3-23-05 & 4-01-05

PID# 7160000080 CATO LAND DEVELOPMENT, LLC DB 13098 PG 191

PERMANENT CONSTRUCTION EASEMENT PLANS BY RALPH WHITEHEAD ASSOCIATES INC. TITLE "FINAL CONSTRUCTION PLANS" DATED 8-13-04 SIGNED AND SEALED 3-23-05 & 4-01-05

PID# 7160000079 CATO LAND DEVELOPMENT, LLC DB 13098 PG 191 PB 171 PG 100

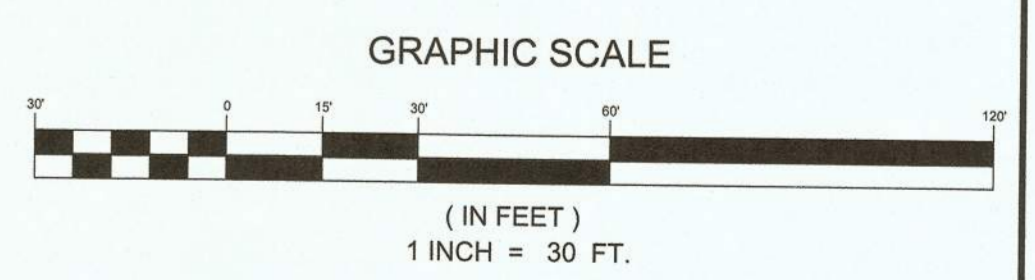
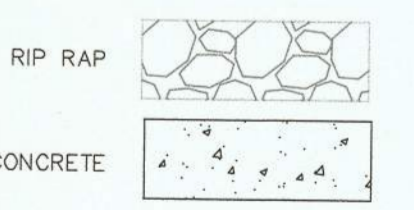
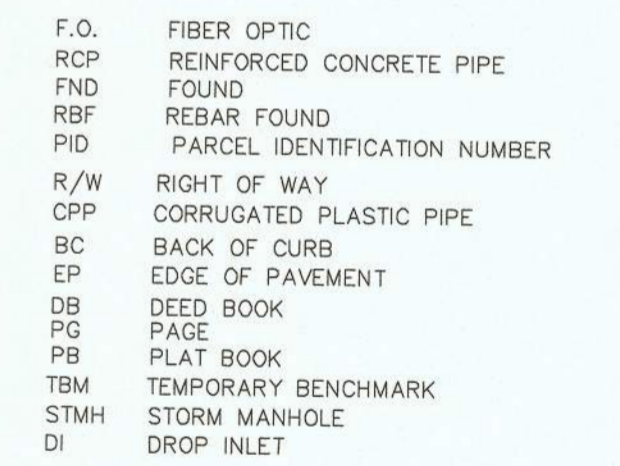
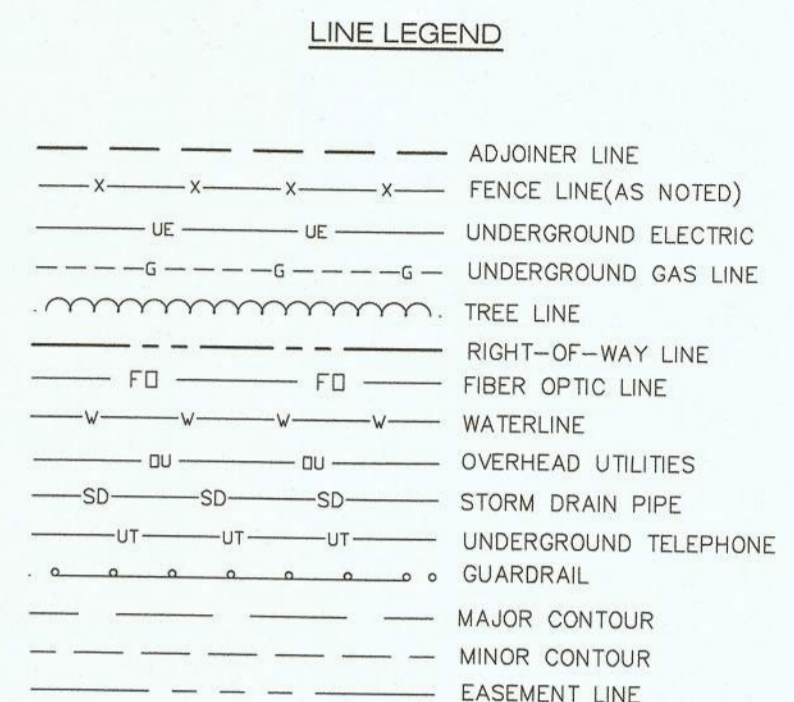
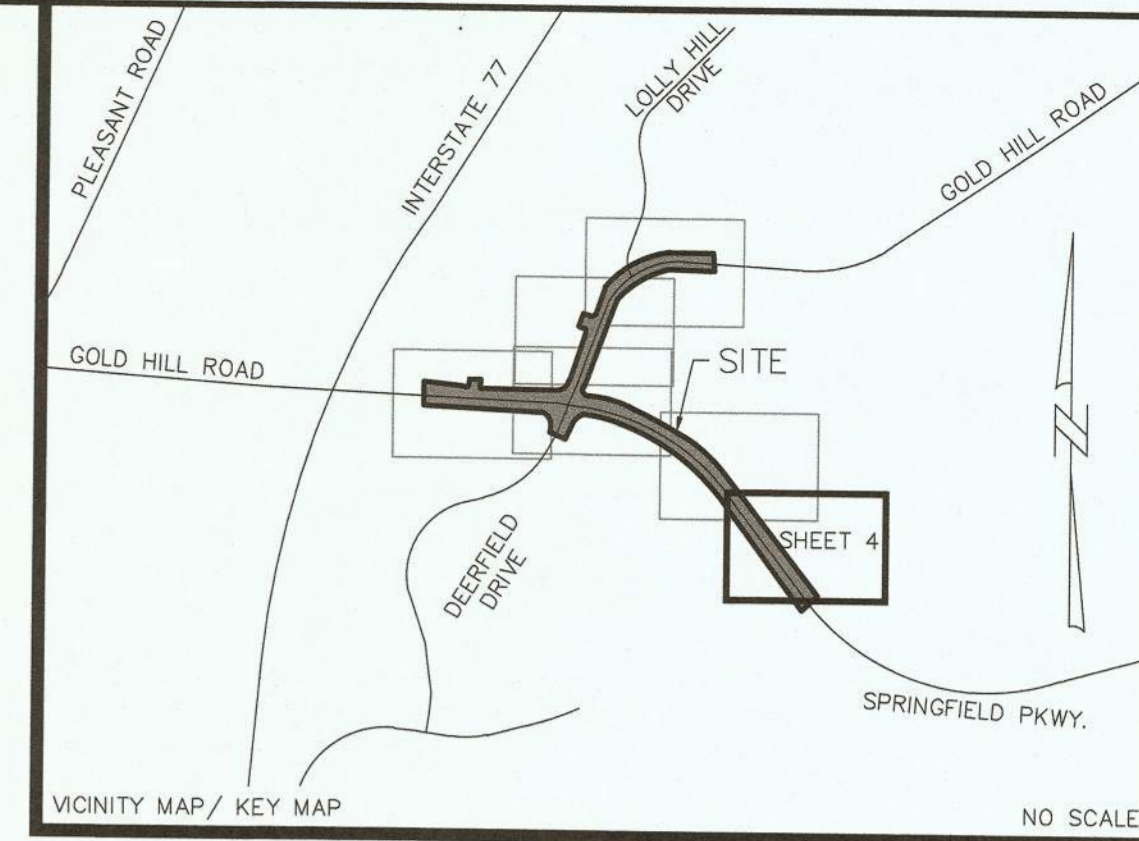
8' X 8' BOX CULVERT INV = 535.51

PERMANENT CONSTRUCTION EASEMENT PLANS BY RALPH WHITEHEAD ASSOCIATES INC. TITLE "FINAL CONSTRUCTION PLANS" DATED 8-13-04 SIGNED AND SEALED 3-23-05 & 4-01-05

PID# 7160000082 CATO LAND DEVELOPMENT, LLC DB 13098 PG 205 PB 171 PG 100

BENCHMARK  
60 D NAIL  
N: 1173203.90'  
E: 2016048.22'  
NAD 83(2011)  
ELEV: 566.09'  
(NAVD88)

NORTH ORIENTED TO SC GRID (NAD83)



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**ESP** Associates, Inc.  
P.O. Box 7030  
Charlotte, NC 28241  
3475 Lakemont Blvd.  
Fort Mill, SC 29708  
704-883-4949 (NC)  
803-802-2440 (SC)  
www.espsociates.com



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JAMES E. SAFRIT SCPLS NO. 27459 DATE 10-31-23



NO.	DATE	REVISION	BY
<p>TOPOGRAPHIC SURVEY FMSD ELEMENTARY SCHOOL NO. 12 MIDDLE SCHOOL NO. 7 (EUBANKS) FORT MILL TOWNSHIP YORK COUNTY, SOUTH CAROLINA</p>			
<p>CLIENT: <b>JUMPER CARTER</b> <b>SEASE ARCHITECTS</b> 412 MEETING STREET COLUMBIA, SC 29169</p>			<p>PROJECT NO. 23-0814.KT1.3 SCALE 1"=30' DATE SURVEYED SEPTEMBER 25, 2023 DRAWN BY GEJ/GAT CHECKED BY JES DATE SURVEYED SEPTEMBER 09, 2023 DRAWING NO. 23-0814.KT1.3 (TOPO) FMSD.DWG</p>
			4.0
SHEET 4 OF 6			

- GENERAL NOTES:**
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  - CONTOUR INTERVALS 1' (ONE FOOT)

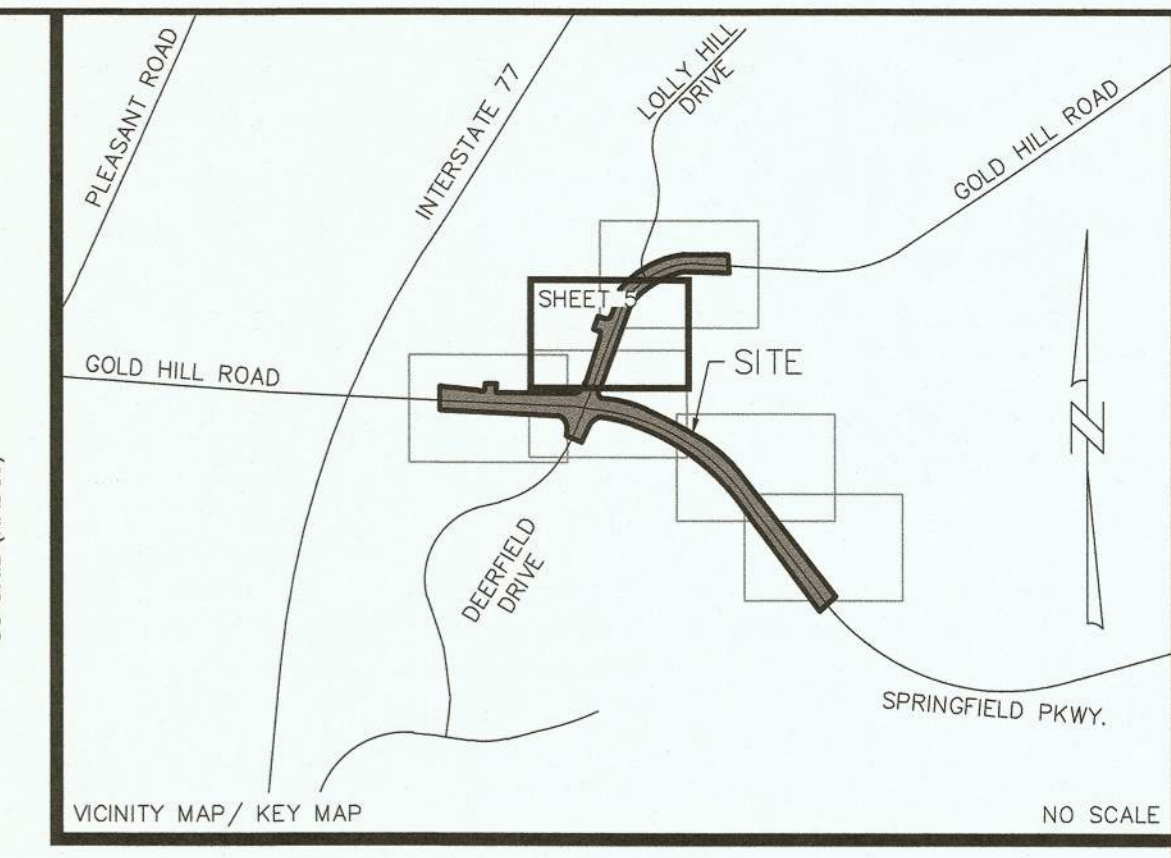
PID# 718000222  
GO STORE IT CHARLOTTE FT  
MILL, LLC ETAL  
DB 19992 PG 96

PID# 718000221  
FORTSPORT DEVELOPMENT, LLC  
DB 15944 PG 168  
PB 152 PG 41

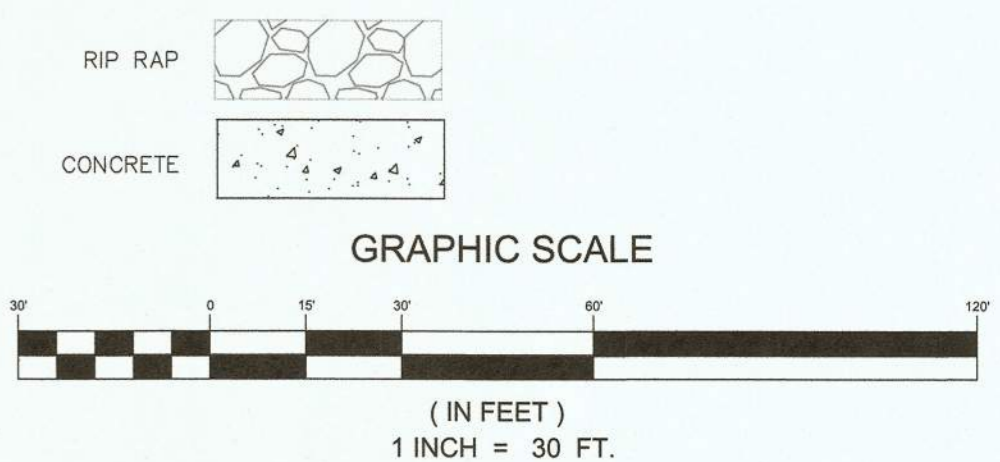
PERMANENT CONSTRUCTION EASEMENT PLANS BY RALPH WHITEHEAD ASSOCIATES INC. TITLE "FINAL CONSTRUCTION PLANS" DATED 8-13-04 SIGNED AND SEALED 3-23-05 & 4-01-05

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PID# 718000060  
OWSLEY ENTERPRISES  
PB 45 PG 193



- LINE LEGEND**
- ADJOINER LINE
  - x-x-x-x-x- FENCE LINE (AS NOTED)
  - UE --- UNDERGROUND ELECTRIC
  - g-g-g-g-g- UNDERGROUND GAS LINE
  - ~ ~ ~ ~ ~ TREE LINE
  - R-O-W- RIGHT-OF-WAY LINE
  - F-O- FIBER OPTIC LINE
  - W- WATERLINE
  - O-U- OVERHEAD UTILITIES
  - S-D- STORM DRAIN PIPE
  - U-T- UNDERGROUND TELEPHONE
  - G- GUARDRAIL
  - C- MAJOR CONTOUR
  - M- MINOR CONTOUR
  - E- EASEMENT LINE
- LEGEND**
- [Symbol] FIRE HYDRANT
  - [Symbol] TELEPHONE PEDESTAL
  - [Symbol] ELECTRIC BOX
  - [Symbol] FIBER OPTIC PEDESTAL
  - [Symbol] TEMPORARY BENCHMARK
  - [Symbol] WATER VALVE
  - [Symbol] CONCRETE MONUMENT
  - [Symbol] FOUND REBAR
  - [Symbol] GUY WIRE
  - [Symbol] UTILITY POLE
  - [Symbol] SIGN
  - [Symbol] WATER METER
  - [Symbol] STORM STRUCTURE
  - [Symbol] STORM DRAIN MANHOLE
  - [Symbol] TELEVISION PEDESTAL
  - [Symbol] LIGHT POLE (OR OTHERWISE NOTED)
  - [Symbol] HANDHOLE (AS NOTED)
  - [Symbol] WITNESS POST
  - [Symbol] GAS VALVE
- F.O. FIBER OPTIC  
RCP REINFORCED CONCRETE PIPE  
FND FOUND  
RFB REBAR FOUND  
PID PARCEL IDENTIFICATION NUMBER  
R/W RIGHT OF WAY  
CPP CORRUGATED PLASTIC PIPE  
BC BACK OF CURB  
EP EDGE OF PAVEMENT  
DB DEED BOOK  
PG PAGE  
PB PLAT BOOK  
TBM TEMPORARY BENCHMARK  
STMH STORM MANHOLE  
DI DROP INLET



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JAMES E. SAFRIT SCPLS NO. 27459 DATE 10-31-23



NO.	DATE	REVISION	BY

TOPOGRAPHIC SURVEY  
FMSD ELEMENTARY SCHOOL NO. 12  
MIDDLE SCHOOL NO. 7 (EUBANKS)

FORT MILL TOWNSHIP  
YORK COUNTY, SOUTH CAROLINA

CLIENT:  
**JUMPER CARTER SEASE ARCHITECTS**  
412 MEETING STREET  
COLUMBIA, SC 29169

PROJECT NO. 23-0814.KT13  
SCALE 1"=30'  
DATE SEPTEMBER 25, 2023  
DRAWN BY GEJ/GAT  
CHECKED BY JES  
DATE SURVEYED SEPTEMBER 09, 2023  
DRAWING NO. 23-0814.KT13 (TOPO) FMSD.DWG

**5.0**

SHEET 5 OF 8

**GENERAL NOTES:**

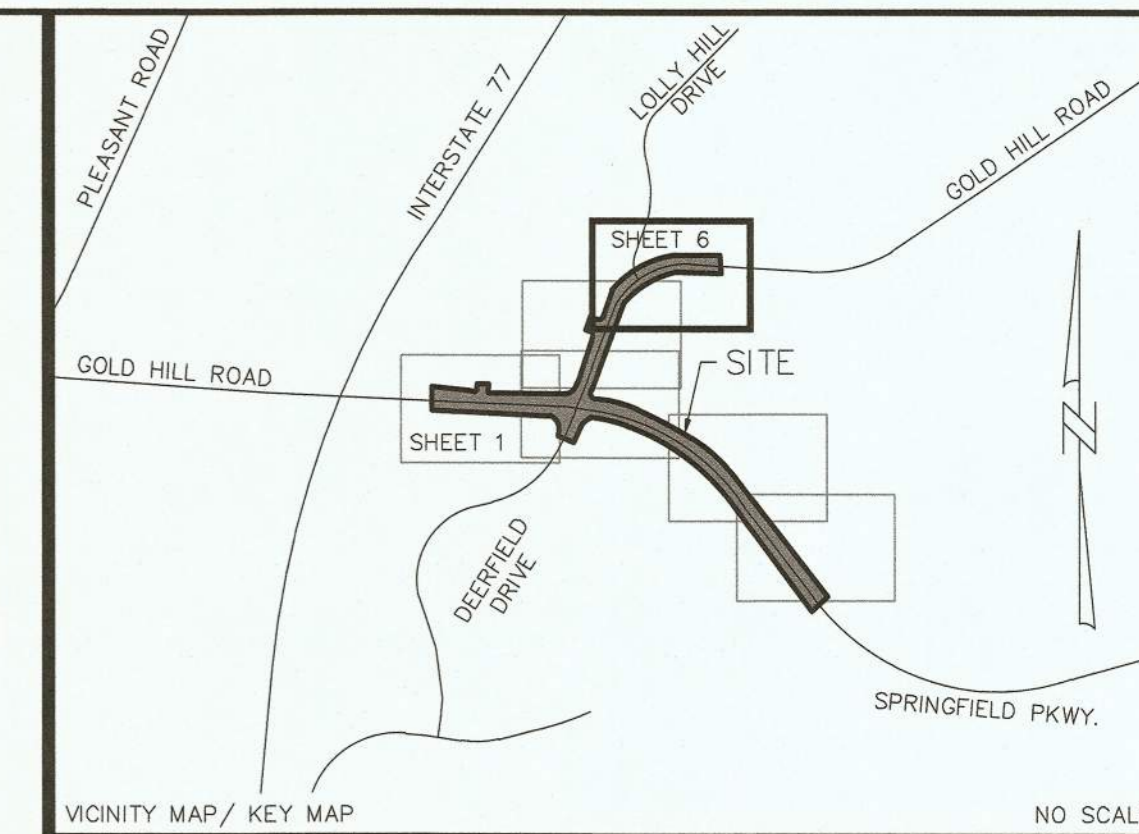
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**LINE LEGEND**

- ADJOINER LINE
- x-x-x-x-x- FENCE LINE(AS NOTED)
- ue-ue-ue- UNDERGROUND ELECTRIC
- g-g-g-g-g- UNDERGROUND GAS LINE
- ~~~~~ TREE LINE
- fd-fd-fd- RIGHT-OF-WAY LINE
- fd-fd-fd- FIBER OPTIC LINE
- v-v-v-v-v- WATERLINE
- du-du-du- OVERHEAD UTILITIES
- sd-sd-sd- STORM DRAIN PIPE
- ut-ut-ut- UNDERGROUND TELEPHONE
- GUARDRAIL
- MAJOR CONTOUR
- MINOR CONTOUR
- EASEMENT LINE

**LEGEND**

- FIRE HYDRANT
- TELEPHONE PEDESTAL
- ELECTRIC BOX
- FIBER OPTIC PEDESTAL
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- WATER VALVE
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- PG PAGE
- PB PLAT BOOK
- TBM TEMPORARY BENCHMARK
- STMH STORM MANHOLE
- DI DROP INLET
- RIP RAP
- CONCRETE



PID# 7180000219  
PRG BECKETT FARMS LLC  
DB 17362 PG 35  
PB E381 PG 2

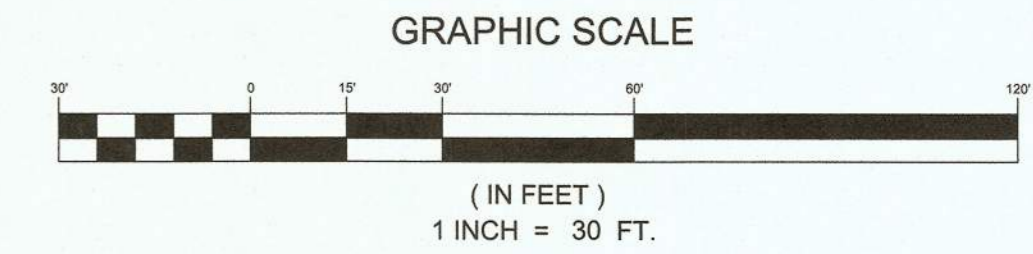
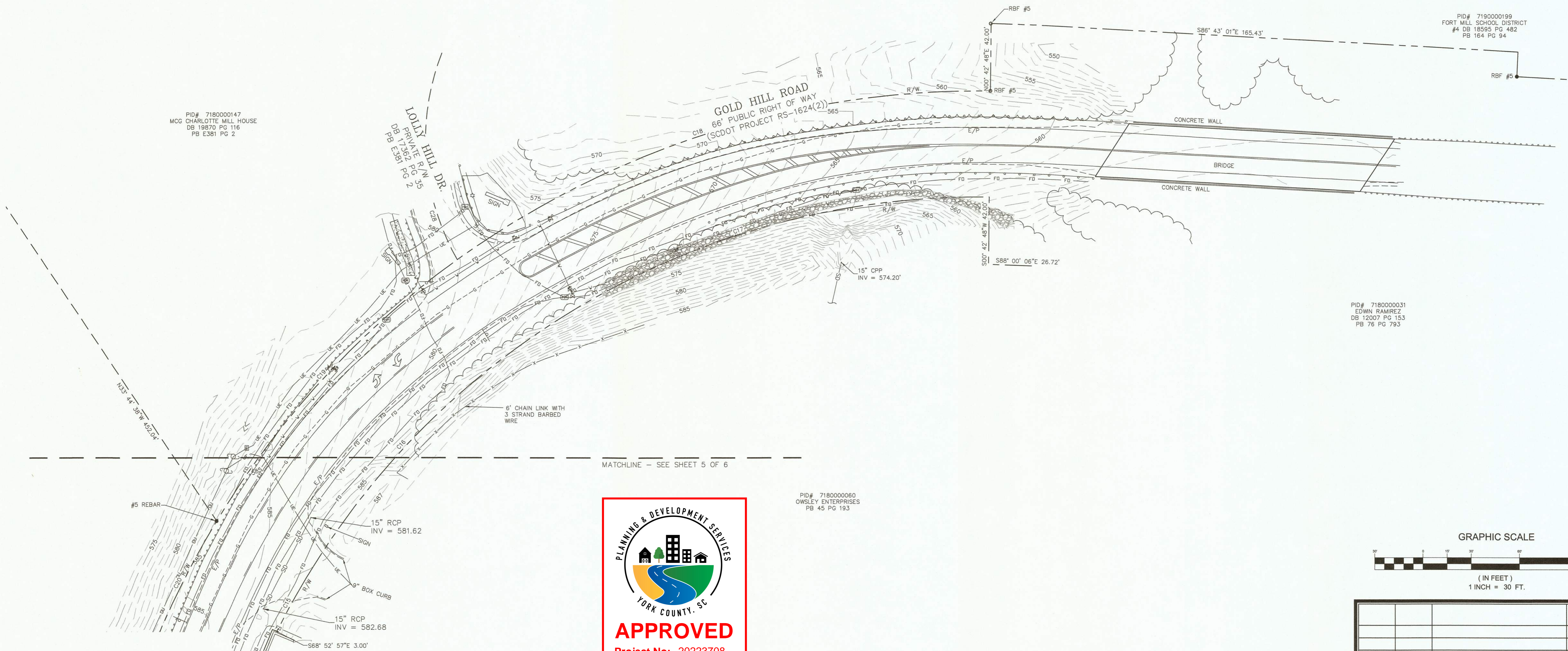
PID# 7190000199  
FORT MILL SCHOOL DISTRICT  
#4 DB 18595 PG 482  
PB 164 PG 84

PID# 7180000147  
MCG CHARLOTTE MILL HOUSE  
DB 19870 PG 116  
PB E381 PG 2

LOLLY HILL DR.  
PRIVATE R/W 35'  
DB E381 PG 2

PID# 7180000060  
OWSLEY ENTERPRISES  
PB 45 PG 193

PID# 7180000031  
EDWIN RAMIREZ  
DB 12007 PG 153  
PB 76 PG 793



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JAMES E. SAFRIT SOPLS NO. 27459 DATE 10-31-23

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DATE SURVEYED: SEPTEMBER 25, 2023  
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CHECKED BY: JES  
DATE SURVEYED: SEPTEMBER 09, 2023  
DRAWING NO: 23-0814.KT13 (TOPO) FMSD.DWG  
SHEET 6 OF 8

FORT MILL TOWNSHIP  
YORK COUNTY, SOUTH CAROLINA

CLIENT:  
**JUMPER CARTER**  
SEASE ARCHITECTS  
412 MEETING STREET  
COLUMBIA, SC 29169

