

**LUMOS NETWORKS**  
**JOB NUMBER: R0XXXX-XXX**  
**ROUTE NAME: RT\_18\_FDH\_01 (C)**

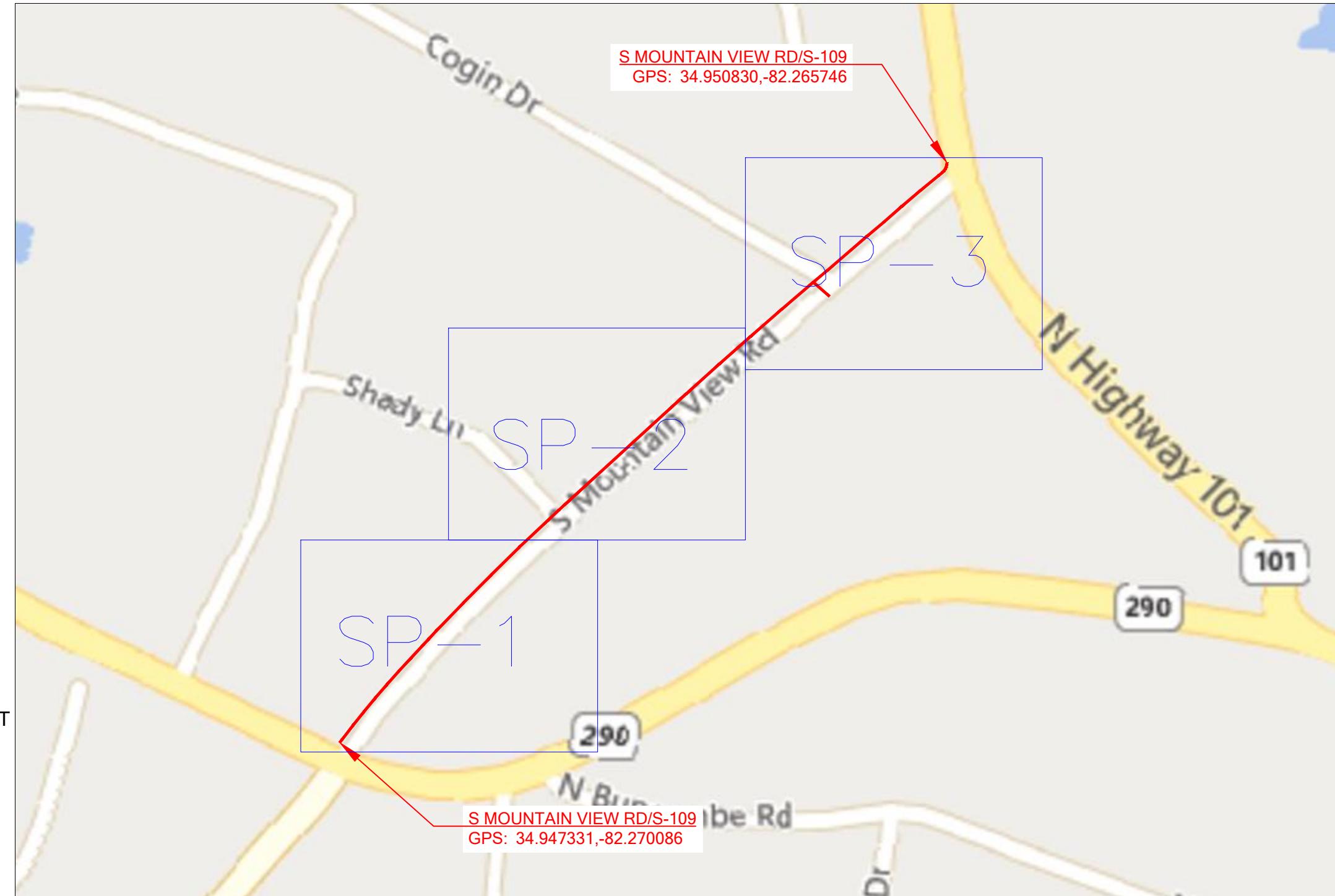
PERMIT DRAWING

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LUMOS PROPOSED FIBER OPTIC NETWORK PLACEMENT

CONSTRUCTION METHOD	FOOTAGE
UNDERGROUND	1872'
AERIAL	0'

TOTAL PROPOSED FOOTAGE = 1872'



PROJECT INFORMATION

SITE NAME:	RT_18_FDH_01
SITE ADDRESS:	1 FAIRVIEW PL
COUNTY:	GREENVILLE
APPROVER:	

SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	07/10/2024	PERMIT DRAWING	CENT

SHEET TITLE

LOCATION MAP



SHEET NUMBER

T-1

DRAWING SHEET

1 OF 14

LUMOS:

NAME: RONNY POSTON  
(CELL)903-948-3099  
NAME: PAUL JERKINS  
(CELL)803-413-8686

CENTILLION:

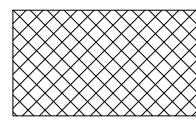
CRAIG BLACK - PROJECT MANAGER  
(CELL)720-597-5320

UTILITIES:

SC8II (I-888-72I-7877)

PERMITS:

GREENVILLE COUNTY - PERMIT NUMBER / DATE: TBD  
SCDOT - PERMIT NUMBER / DATE: TBD

LINETYPE LEGEND	
— EOP —	= EX. EDGE OF PAVEMENT
— C/L —	= EX. CENTER LINE
— R/W —	= EX. RIGHT OF WAY
— ESMT —	= EX. EASEMENT
—	= EX. PROPERTY LINE
—	= EX. BUILDING EDGE
— OHF — OHF —	= EX. OVERHEAD FIBER
— BFO — BFO —	= EX. BURIED FIBER
— EX_STRA —	= EX. BURIED FIBER
—○—○—○—	= EX. FENCE
— GR — GR —	= EX. GUARDRAIL
—   —   —	= RAILROAD
— OHF —————— 144 ——————	= PROP. OVERHEAD FIBER
— 144 ——————	= PROP. BURIED FIBER
— ORANGE ——————	= PROP. CONDUIT
— STRAND ——————	= PROP. STRAND
— ——————	= PROP. MULTIPORT TAIL
— SD ——————	= STORM DRAINAGE
— SS ——————	= SEWER LINE
— W ——————	= WATER LINE
— T ——————	= TELCO LINE
— TV ——————	= CABLE TV LINE
— E ——————	= ELECTRIC LINE
— TRAFF ——————	= TRAFFIC LINE
— G ——————	= GAS LINE
	= ALL ROADS HATCHED ARE COUNTY ROADS AND NOT FOR SCDOT PERMIT

SYMBOL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PROPOSED ANCHOR & GUY		PROPOSED TERMINAL SPLICE
	FOREIGN/EXISTING ANCHOR & GUY		FIRE HYDRANT
	MGNV		WATER VALVE / METER
	JOINT USE POLE		WATER MANHOLE
	POWER POLE		SEWER MANHOLE
	COMMUNICATION POLE		STORM MANHOLE
	STEEL POLE		STORM INLET / CATCH BASIN
	CATV POLE		GAS VALVE / METER
	PROPOSED POLE		ELECTRIC MANHOLE
	RISER		ELECTRIC HANDHOLE
	PROPOSED STORAGE LOOP		STREET LIGHT
	PROPOSED AERIAL SPLICE		BURIED TRANSFORMER
	PROPOSED BURIED SPLICE		TRAFFIC HANDHOLE
	PROPOSED AERIAL FIBER DIRECTION		TRAFFIC POLE / SIGNAL
	PROPOSED BURIED FIBER DIRECTION		TELCO MANHOLE
	PROPOSED HANDHOLE		TELCO HANDHOLE
	EXISTING HANDHOLE		TELCO PEDESTA:L
	PROPOSED PEDESTA:L		CABLE TV HANDHOLE
	EXISTING PEDESTA:L		CABLE TV PEDESTA:L
	PROPOSED FLOWER POT		PROPOSED 1x8 SPLITTER
	PROPOSED LCP CABINET		PROPOSED 1x4 SPLITTER
	EXISTING LCP CABINET	—	SIGN
—	CULVERT		FIBER MARKER



## GENERAL NOTES:

1. ALL WORK WILL COMPLY WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATORY AGENCIES, INCLUDING, BUT NOT LIMITED TO, OSHA, NESC, DOT, RPA, ETC. GENERAL NOTES WILL APPLY TO ALL DRAWINGS.
2. ALL TRAFFIC CONTROL DEVICES WILL BE IN PLACE PRIOR TO CONSTRUCTION. DEVICES NO LONGER NEEDED WILL BE REMOVED AS QUICKLY AS POSSIBLE.
3. PEDESTRIAN TRAFFIC AREAS MUST BE MAINTAINED AT ALL TIMES. PEDESTRIANS WILL NOT BE ROUTED ON TO PRIVATE PROPERTY.
4. NO MATERIALS OR EQUIPMENT WILL BE STORED OR ALLOWED TO STAND UNPROTECTED WHERE PEDESTRIAN OR VEHICULAR TRAFFIC IS PRESENT.
5. NO EQUIPMENT OR MATERIALS WILL BE STORED ON ROAD SURFACE DURING NON-WORK PERIODS.
6. NO EQUIPMENT OR MATERIALS MAY BE STORED ON THE SIDEWALK.
7. EXCAVATION MATERIAL WILL BE STORED AWAY FROM THE PAVED ROADWAY. ALL SPILLED MATERIAL WILL BE PICKED UP IMMEDIATELY.
8. MUNICIPAL ROAD SIGNS, DELINEATORS, GUARDRAILS, ETC. WILL NOT BE REMOVED WITHOUT PRIOR WRITTEN PERMISSION FROM THE APPROVING AUTHORITY.
9. ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH THE CITY, COUNTY, TOWNSHIP AND STATE SPECIFICATIONS AND STANDARDS.
10. GROUND RESTORATION/RIGHT-OF-WAY SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
11. ANY CONDUIT/INNERDUCT RUNNING LINES SHOWN ON PRINT ARE ESTIMATES ONLY. ACTUAL RUNNING LINES TO BE DETERMINED VIA TEST HOLES BY CONTRACTOR PRIOR TO TRENCHING OPERATION. MOST UNDERGROUND UTILITIES ARE NOT SHOWN ON PRINTS. CONTACT UTILITY COMPANIES FOR EXACT LOCATION.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO STREETS, CURBS, ROADS, HIGHWAYS, SHOULDERS, DITCHES, EMBANKMENTS, CULVERTS, STORM DRAINS, BRIDGES OR OTHER PUBLIC OR PRIVATE PROPERTY, REGARDLESS OF LOCATION OR CHARACTER, WHICH MAY BE CAUSED BY MOVING, HAULING OR OTHERWISE TRANSPORTING EQUIPMENT MATERIALS OR MEN TO OR FROM WORK OR ANY SITE THERE-OF, WHETHER BY HIM OR HIS CONTRACTOR OR SUBCONTRACTOR.
13. EXTREME CARE SHALL BE EXERCISED TO AVOID HITTING OR CAUSING DAMAGE TO AERIAL AND SUBSURFACE OBSTRUCTIONS, OWNERS OF STRUCTURES WILL BE NOTIFIED IN ADVANCE OF EXCAVATION WORK BY THE CONTRACTOR AND A REQUEST WILL BE MADE TO LOCATE THE AFFECTED PLANT.
14. ALL MATERIAL PLACED SHALL BE APPROVED BY A PROJECT MANAGER.
15. DEVIATIONS FROM THE ENGINEERED ROUTE REQUIRES A PROJECT MANAGER AND RIGHT-OF-WAY OWNER OR CARETAKER APPROVAL PRIOR TO CONSTRUCTION.
16. CABLE SHALL BE UNREELED AND REREELED IN FIGURE 8 FASHION AT BRIDGES, RAILROAD TRACKS, ROADS, STREETS, UTILITY CROSSINGS AND OTHER LOCATIONS TO PREVENT CUTTING OF THE CABLE UNLESS NOTED IN THE DESIGN.
17. WHERE PERMITS FROM STATE, COUNTY, TOWNSHIP, CITY, RAILROAD OR GOVERNMENTAL AGENCIES ARE REQUIRED, ALL WORK PERFORMED WILL COMPLY WITH THESE AGENCIES STANDARD SPECIFICATION.
18. THE CONTRACTOR SHALL NOTIFY BUILDING MANAGEMENT WHEN WORK WILL BEGIN ON BUILDING. CONTRACTOR TO COORDINATE ROOM ACCESS AND WORK START AND STOP TIMES WITH BUILDING MANAGEMENT.

## CONSTRUCTION NOTES:

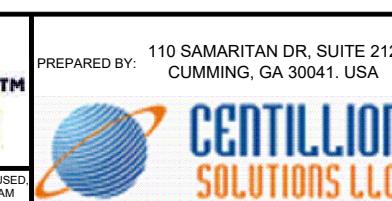
19. CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE DONE TO EXISTING STRUCTURE DURING THE COURSE OF PERFORMING THE JOB INDICATED ON THE PRINTS, REPAIR AND/OR REPLACEMENT OF DAMAGE TO BUILDING SHALL BE DONE SOLELY AT THE CONTRACTORS EXPENSE.
20. THE PROJECT MANAGER WILL RESERVE THE RIGHT TO INSPECT AT ANY TIME THE WORK BEING PERFORMED BY THE CONTRACTOR. IF STC/SNC DETERMINES THAT THE WORK IS NOT BEING PERFORMED TO MINIMUM QUALITY STANDARDS, THEN THE CONTRACTOR SHALL PROVIDE REWORK AT HIS OWN COST.
21. ANY CHANGE IN PROJECT SCOPE, INCLUDING BUT NOT LIMITED TO, CONDUIT LENGTH, CONDUIT PATH, AERIAL PATH ETC., MUST BE APPROVED BY THE PROJECT MANAGER.
22. ALL CORING/CONSTRUCTION THAT WILL CAUSE NOISE AND/OR VIBRATION SHALL BE DONE OUTSIDE NORMAL BUSINESS HOURS OR TO THE DISCRETION OF THE BUILDING MANAGEMENT.
23. THE CONTRACTOR SHALL PROTECT, SHORE, BRACE AND MAINTAIN ALL UNDERGROUND PIPES, CONDUITS, DRAINS AND OTHER UNDERGROUND CONSTRUCTION UNCOVERED OR OTHERWISE AFFECTED BY THE CONSTRUCTION WORK.
24. CERTAIN PIPE LINES, SEWERS, CULVERTS, DRAINS, CABLES AND OTHER EXISTING SUBSURFACE STRUCTURES IN THE VICINITY OF THE WORK TO BE DONE ARE INDICATED ON THE PLANS ACCORDING TO THE BEST INFORMATION AVAILABLE TO THE SURVEY CREW. DAMAGE TO SUBSURFACE STRUCTURES, OR DELAY TO THE CONTRACTOR DUE TO ENCOUNTERING STRUCTURES, CABLES OR PIPELINE NOT SHOWN OR IN LOCATIONS DIFFERENT FROM THOSE INDICATED ON THE PLANS SHALL NOT CONSTITUTE A CLAIM FOR EXTENSION OF WORK DELAYS.
25. THE REMOVAL AND STORAGE OF ALL SHRUBBERY TO BE REPLACED IS THE RESPONSIBILITY OF THE CONTRACTOR.

## GENERAL LAND CONSERVATION NOTES:

1. DURING CONSTRUCTION, ALL STORM SEWER INLETS SHALL BE PROTECTED BY SILT TRAPS MAINTAINED AND MODIFIED AS REQUIRED DURING CONSTRUCTION PROGRESS.
2. AT THE COMPLETION OF THE CONSTRUCTION PROJECT AND PRIOR TO RELEASE OF THE BOND, ALL TEMPORARY SILTATION AND EROSION CONTROLS SHALL BE REMOVED UPON THE APPROVAL OF PROJECT MANAGER AND ALL DENUDED AREAS SHALL BE STABILIZED WITH VEGETATION.
3. EXCAVATION MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF THE TRENCH.

## AERIAL CABLE PLACEMENT:

1. CONVENTIONAL AERIAL CONSTRUCTION TECHNIQUES WILL BE USED IN THE PLACEMENT OF FIBER OPTIC CABLE.
2. CABLE TENSION WILL BE MONITORED AND RECORDED AS THE CABLE IS PULLED THROUGH CABLE ROLLERS.
3. CABLE ROLLERS WILL BE SPACED AT A MAXIMUM INTERVAL OF THIRTY-FIVE FEET (35'). TYPE "B" ROLLERS WILL BE USED. CONTRACTORS ARE REQUIRED TO PROVIDE SUFFICIENT ROLLERS AND PULL-LINE TO PLACE AT LEAST FIVE KILOMETERS (5 KM) OF CABLE IN A SINGLE PULL.
4. AERIAL CABLE GUIDES WILL BE USED.
5. AERIAL STRAND WILL BE USED AND TENSIONED WITH A STRAND DYNAMOMETER.
6. STRAND WILL BE PLACED AS SPECIFIED ON ENGINEERING PLANS.
7. PRELASHING OF CABLE TO STRAND WILL NOT BE ALLOWED. CABLE WILL BE DOUBLE LASHED WITH 45 MIL STAINLESS LASHING WIRE.
8. ONLY NEW HARDWARE, i.e. LASHING WIRE, LASHING WIRE CLAMPS, ETC., WILL BE ACCEPTED.
9. LASHING WIRE CLAMPS SHALL BE PLACED 12" EACH FROM CENTER THROUGH BOLT, AND METAL STRAP WITH 1/4" SPACER SHALL BE PLACED 10" FROM CENTER THROUGH BOLT.
10. OVERLASHING OPERATIONS REQUIRE THE LOWERING OF EXISTING FIBER OPTIC CABLE SLACK COILS AND SPLICE CASES PRIOR TO OVERLASHING THE PROPOSED FIBER OPTIC CABLE (UNLESS OTHERWISE NOTED).
11. ALL UTILITY POLE HARDWARE MUST BE TIGHTENED BEFORE LASHING OPERATIONS.
12. LASHING WIRES SHALL BE TERMINATED IN A MANNER SO AS NOT TO CROSS ONE ANOTHER OR ANY OTHER SHARP OBJECTS, WHICH MIGHT CREATE FUTURE BREAKS IN THE WIRE. ENDS OF LASHING WIRE AND METAL STRAPS SHALL BE TRIMMED, TUCKED, AND KEPT NEAT.
13. FIBER OPTIC WARNING TAGS SHALL BE PLACED AT EVERY WORK POLE, MANHOLE, SLACK COIL, SPLICE CASE AND WHERE SO INDICATED BY PROJECT MANAGER.
14. COMPLY WITH NESC REGULATION PART 92 AND RUS BULLETIN 1751F-815 REQUIRING EIGHT OR MORE BONDS PER MILE.
15. ALL ANCHORS WILL BE IN PLACE PRIOR TO PLACING AND TENSIONING OF STRAND. TEMPORARY GUYING CAN BE USED IF AVAILABLE IF APPROVED BY SHENTEL PROJECT MANAGER, AND MUST BE MADE PERMANENT WITH APPROVED ANCHORS ASAP.



### PROJECT INFORMATION

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SITE ADDRESS:	1 FAIRVIEW PL
COUNTY:	GREENVILLE
APPROVER:	

### SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	07/10/2024	PERMIT DRAWING	CENT

SHEET TITLE

### GENERAL NOTES



GN-2

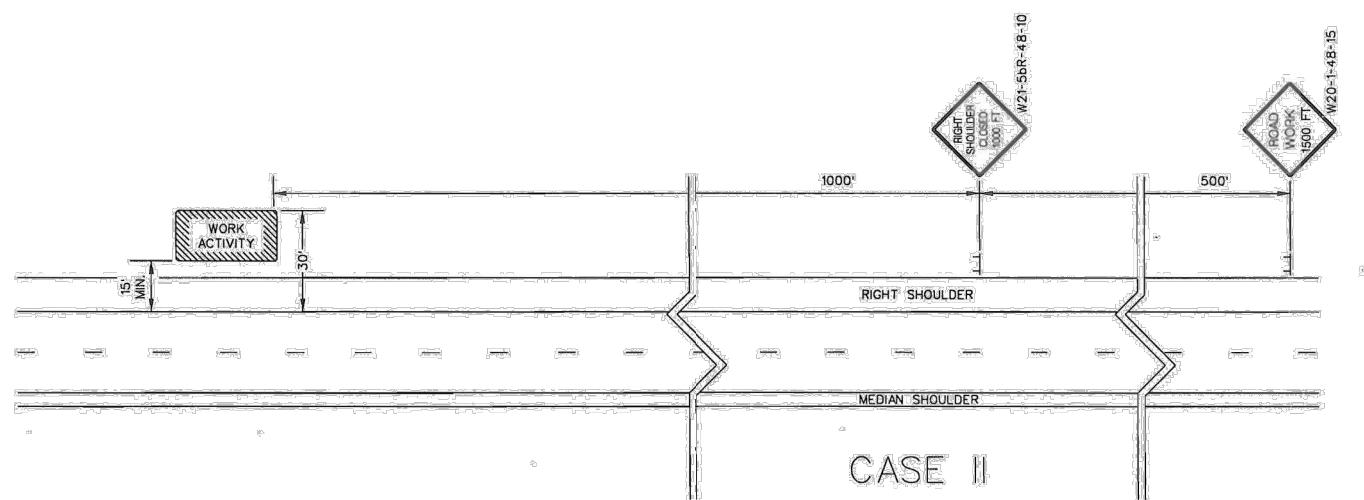
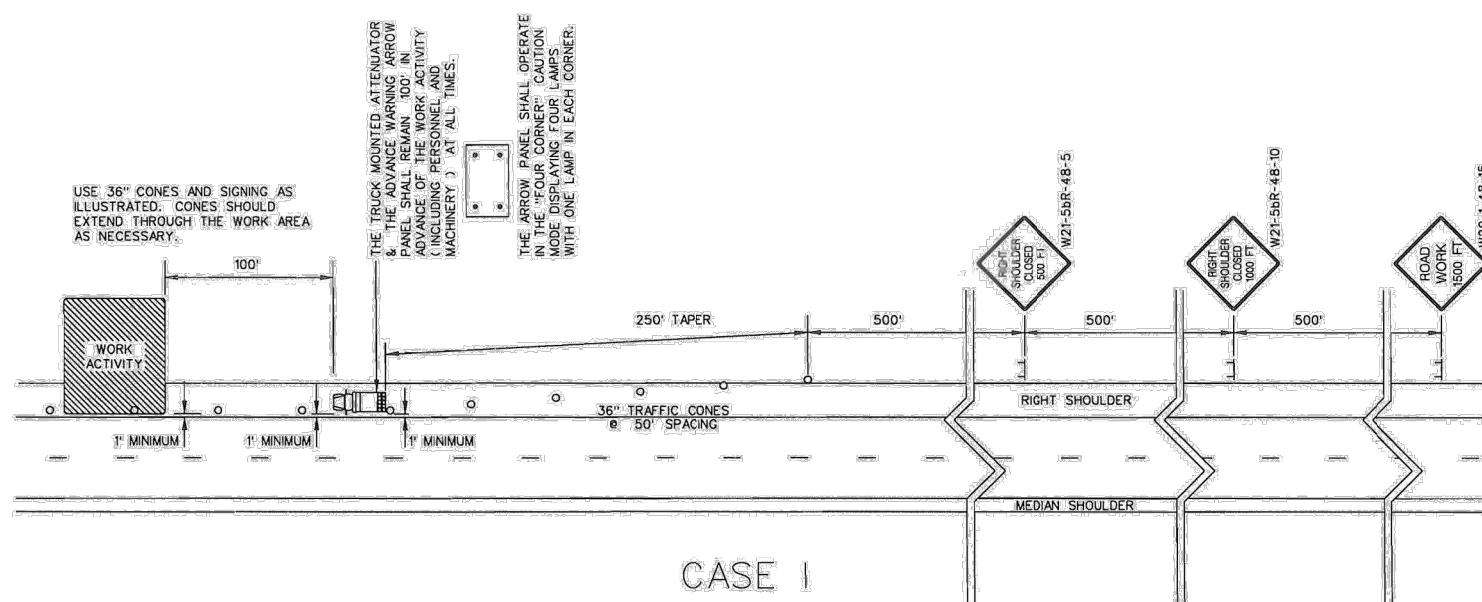
DRAWING SHEET  
3 OF 14

REFERENCES	
<b>WORK ZONE TRAFFIC CONTROL ENGINEER</b>	
<p><b>SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER WILLIE F. McCONNELL, JR.</b></p> <p><i>McConnell</i> SIGNATURE 8/2/12 DATE</p>	
6	
5	
4	
3	
2	
1	8-12-11 JCS GENERAL UPDATE
0	8-23-07 JCS DRAWING NO. UPDATE
#	DATE
CHK	DESCRIPTION
<b>SCDOT</b> <small>SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS OFFICE 955 PARK STREET ROOM 405 COLUMBIA, SC 29201</small>	
<b>STANDARD DRAWING</b>	
<b>RIGHT SHOULDER CLOSURE ( CASE I / CASE II ) PRIMARY ROUTES</b>	
610-205-00	
EFFECTIVE LETTING DATE: 3M, 2013 THIS DRAWING IS NOT TO SCALE	



#### GENERAL NOTES

- ALL SIGN LOCATIONS ARE TO BE MEASURED FROM THE WORK AREA. WORK LIMITS FOR THE PROJECT WILL BE DETERMINED BY THE ENGINEER AND AS INDICATED IN THE CONTRACT.
- INSTALL ADVANCE WARNING SIGNS MOUNTED ON PORTABLE SIGN SUPPORTS NO LESS THAN 4 FEET FROM THE NEAR EDGE OF THE SIGN TO THE NEAR EDGE OF AN ADJACENT TRAVEL LANE ON ROADWAYS WITH EARTH SHOULDERS AND NO LESS THAN 6 FEET FROM THE NEAR EDGE OF THE SIGN TO THE NEAR EDGE OF AN ADJACENT TRAVEL LANE ON ROADWAYS WITH PAVED SHOULDERS. WHEN CURB & GUTTER IS PRESENT, INSTALL THE SIGN NO LESS THAN 2 FEET FROM THE NEAR EDGE OF THE SIGN TO THE FACE OF THE CURB.
- SPACINGS INDICATED ARE FOR NORMAL CONDITIONS; ADJUSTMENTS MAY BE REQUIRED DUE TO HORIZONTAL AND/OR VERTICAL ALIGNMENTS OR OTHER SIGHT DISTANCE RESTRICTIONS.
- ALL SIGNS MOUNTED ON PORTABLE SIGN SUPPORTS SHALL HAVE A MINIMUM MOUNTING HEIGHT OF 5 FEET FROM THE GROUND TO THE BOTTOM OF THE SIGN. ALL SIGNS MOUNTED ON GROUND MOUNTED U-CHANNEL POSTS OR SQUARE STEEL TUBE POSTS SHALL HAVE A MINIMUM MOUNTING HEIGHT OF 7 FEET FROM THE GRADE ELEVATION OF THE NEAR EDGE OF THE ADJACENT TRAVEL LANE TO THE BOTTOM OF THE SIGN UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT. MOUNT ALL SIGNS STRAIGHT AND LEVEL AND WITH THE FACE OF THE SIGNS PERPENDICULAR TO THE SURFACE OF THE ROADWAY.
- REFLECTORIZE ORANGE ADVANCE WARNING SIGNS AND ANY ORANGE AREAS OF A MULTI-COLORED ADVANCE WARNING SIGN WITH A FLUORESCENT ORANGE COLORED PRISMATIC RETROREFLECTIVE SHEETING. REFLECTORIZE WHITE REGULATORY SIGNS AND ANY WHITE AREAS OF A MULTI-COLORED ADVANCE WARNING SIGN WITH A WHITE COLORED PRISMATIC RETROREFLECTIVE SHEETING.
- ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH ALL NCHRP REPORT 350 REQUIREMENTS AND SHALL REQUIRE APPROVAL BY THE DEPARTMENT. ONLY THOSE TRAFFIC CONTROL DEVICES INCLUDED ON THE "APPROVED PRODUCTS LIST FOR TRAFFIC CONTROL DEVICES IN WORK ZONES" ARE CONSIDERED ACCEPTABLE FOR USE. THIS LIST MAY BE ACCESSED ON THE DEPARTMENT'S WEB SITE AT: [www.scdot.org](http://www.scdot.org)
- THE CONTRACTOR SHALL PROVIDE AND UTILIZE ANY SPECIAL SIGN MOUNTING ASSEMBLIES AND HARDWARE THAT MAY BE NECESSARY FOR INSTALLING AND MOUNTING SIGNS IN AREAS OF CONCRETE MEDIAN BARRIER, BRIDGE PARAPET WALLS OR DOUBLE FACED GUARDRAIL.
- THE PRIMARY TRAFFIC CONTROL DEVICES UTILIZED FOR DAYTIME SHOULDER CLOSURES ARE 36" CONES. THE PRIMARY TRAFFIC CONTROL DEVICES UTILIZED FOR NIGHTTIME SHOULDER CLOSURES ARE PORTABLE PLASTIC DRUMS. DURING DAYTIME SHOULDER CLOSURES, 42" OVERSIZED CONES MAY BE SUBSTITUTED FOR 36" CONES. DURING NIGHTTIME SHOULDER CLOSURES, 42" OVERSIZED CONES ARE PROHIBITED FOR USE. IF THIS TRAFFIC CONTROL SETUP EXTENDS INTO THE HOURS OF DARKNESS, REPLACE ALL CONES, 36" OR 42" OVERSIZED, WITH PORTABLE PLASTIC DRUMS.
- THE 36" CONES UTILIZED DURING DAYLIGHT HOURS ARE NOT REQUIRED TO BE REFLECTORIZED. REFLECTORIZATE ALL 42" OVERSIZED CONES UTILIZED DURING DAYTIME SHOULDER CLOSURES WITH TYPE III FLEXIBLE PRISMATIC RETROREFLECTIVE SHEETING UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT. REFLECTORIZATE ALL PORTABLE PLASTIC DRUMS WITH TYPE III FLEXIBLE PRISMATIC RETROREFLECTIVE SHEETING UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.
- THE DEPARTMENT PROHIBITS CONDUCTING WORK ON PRIMARY AND SECONDARY ROUTES WITHIN 1' OF THE NEAR EDGE OF THE ADJACENT TRAVEL LANE UNDER A SHOULDER CLOSURE. ALL WORK THAT MAY REQUIRE THE PRESENCE OF EQUIPMENT, PERSONNEL, MATERIALS OR WORK VEHICLES WITHIN 1' OF THE NEAR EDGE OF THE ADJACENT TRAVEL LANE SHALL BE CONDUCTED UNDER A LANE CLOSURE.
- CASE I: WHENEVER ANY PORTION OF THE SHOULDER AREA WITHIN 15' BUT NOT CLOSER THAN 1' OF THE NEAR EDGE OF THE ADJACENT TRAVEL LANE MUST BE OCCUPIED BY EQUIPMENT, PERSONNEL, MATERIALS OR WORK VEHICLES TO CONDUCT THE WORK, INSTALL AND MAINTAIN THE SIGNING AND TRAFFIC CONTROL DEVICES AS ILLUSTRATED.
- CASE II: WHENEVER THE WORK IS CONDUCTED BEYOND 15' BUT WITHIN 30' OF THE NEAR EDGE OF THE ADJACENT TRAVEL LANE, INCLUDING THE PRESENCE OF EQUIPMENT, PERSONNEL, MATERIALS OR WORK VEHICLES, INSTALL AND MAINTAIN THE SIGNING AND TRAFFIC CONTROL AS ILLUSTRATED.
- CONDUCT THE WORK IN SUCH A MANNER THAT WILL NOT REQUIRE ENCRONGEMENT OF TRAFFIC CONTROL DEVICES, EQUIPMENT, PERSONNEL, MATERIALS OR ANY WORK RELATED VEHICLES WITHIN 1' OF THE NEAR EDGE OF THE ADJACENT TRAVEL LANE.
- PLACE THE TRUCK MOUNTED ATTENUATOR AT A LOCATION 100' IN ADVANCE OF THE WORK ACTIVITY AND NO CLOSER THAN 1' FROM THE NEAR EDGE OF THE ADJACENT TRAVEL LANE.
- FOR A CASE I SCENARIO IN THE RIGHT SHOULDER AREA, ADJUST THE TAPER AS NECESSARY TO FIT THE WIDTH OF THE SHOULDER WHILE MAINTAINING THE REQUIRED 250' TAPER LENGTH.
- IF WORK IS BEING CONDUCTED SIMULTANEOUSLY AT TWO DIFFERENT LOCATIONS AT THE SAME TIME UNDER CASE I SHOULDER CLOSURES, SEPARATE THE TWO LOCATIONS BY NO LESS THAN 1 MILE FROM THE END OF THE FIRST CASE I CLOSURE THAT A MOTORIST WILL ENCOUNTER TO THE BEGINNING OF THE TAPER OF THE SECOND CASE I CLOSURE. A MINIMUM SEPARATION DISTANCE OF ONE-HALF MILE IS RECOMMENDED BETWEEN SHOULDER CLOSURES WHEN ONE OR BOTH SHOULDER CLOSURES IS A CASE II CLOSURE.
- THE DEPARTMENT RESERVES THE RIGHT TO RESTRICT WORK OPERATIONS AND/OR WITHHOLD THE MONTHLY ESTIMATE IF THE TRAFFIC CONTROL IS NOT PROPERLY INSTALLED AND MAINTAINED AS DIRECTED BY THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, THE STANDARD DRAWINGS, THE PLANS AND/OR THE ENGINEER.
- THIS TYPICAL TRAFFIC CONTROL SETUP APPLIES TO THE INSTALLATION OF SHOULDER CLOSURES IN THE RIGHT SHOULDER AREAS OF PRIMARY AND SECONDARY ROADWAYS.



#### PORTABLE TRUCK MOUNTED ATTENUATOR

- UTILIZE A TRUCK MOUNTED ATTENUATOR ATTACHED TO THE REAR OF A TRUCK WITH A MINIMUM GROSS VEHICLE WEIGHT (GVM) OF 15,000 POUNDS (ACTUAL WEIGHT). IF THE ADDITION OF SUPPLEMENTAL WEIGHT TO THE VEHICLE AS BALLAST IS NECESSARY, CONTAIN THE MATERIAL WITHIN A STRUCTURE CONSTRUCTED OF STEEL. CONSTRUCT THIS STEEL STRUCTURE TO HAVE A MINIMUM OF FOUR SIDES AND A BOTTOM. A TOP IS OPTIONAL. BOLT THIS STRUCTURE TO THE FRAME OF THE TRUCK. UTILIZE A SUFFICIENT NUMBER OF FASTENERS FOR ATTACHMENT OF THE STEEL STRUCTURE TO THE FRAME OF THE TRUCK TO ENSURE THE STRUCTURE WILL NOT SEPARATE FROM THE FRAME OF THE TRUCK DURING AN IMPACT UPON THE ATTACHED TRUCK MOUNTED ATTENUATOR. UTILIZE EITHER DRY LOOSE SAND OR STEEL REINFORCED CONCRETE FOR BALLAST MATERIAL WITHIN THE STEEL STRUCTURE TO ACHIEVE THE NECESSARY WEIGHT. THE BALLAST MATERIAL SHALL REMAIN CONTAINED WITHIN THE CONFINES OF THE STEEL STRUCTURE AND SHALL NOT PROTRUDE FROM THE STEEL STRUCTURE IN ANY MANNER.
- LOCATE THE TRUCK MOUNTED ATTENUATOR 100 FEET IN ADVANCE OF THE WORK AREA UNLESS OTHERWISE SPECIFIED.
- PROVIDE, INSTALL AND MAINTAIN THE TRUCK MOUNTED ATTENUATOR AS SPECIFIED BY THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

ALL ADVANCE WARNING ARROW PANELS SHALL BE 48" X 96" WITH A MINIMUM LEGIBILITY DISTANCE OF 1 MILE. PLACEMENT OF AN ADVANCE WARNING ARROW PANEL MAY REQUIRE ADJUSTMENTS DUE TO HORIZONTAL AND/OR VERTICAL ALIGNMENT OR OTHER SIGHT DISTANCE RESTRICTIONS. THE PANEL FACE SHALL BE NONREFLECTIVE BLACK. ALL ADVANCE WARNING ARROW PANELS SHALL COMPLY WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION.

WHEN AN ADVANCE WARNING ARROW PANEL IS REQUIRED TO OPERATE IN THE CAUTION MODE, THE ADVANCE WARNING ARROW PANEL SHALL DISPLAY THE "FOUR CORNERS" CAUTION MODE, WITH ONE LAMP IN EACH CORNER. DISPLAY OF ANY OTHER TYPE OF CAUTION MODE OTHER THAN THE "FOUR CORNERS" CAUTION MODE SUCH AS THE "FLASHING BAR" OR THE "ALTERNATING DIAMOND" CAUTION MODES ARE UNACCEPTABLE AND PROHIBITED.

LEGEND  
○ 36" TRAFFIC CONES

HOURS OF OPERATION:			
WORKING HOURS MON-FRI: 9AM-4PM			



TRAFFIC CONTROL PLAN	
SHEET NUMBER	DRAWING SHEET
TC-1	4 OF 14

DRAWING 610-005-10 NOTES

1. SEE STANDARD DRAWING NO. 610-005-00 FOR ALL GENERAL NOTES AND REQUIREMENTS.

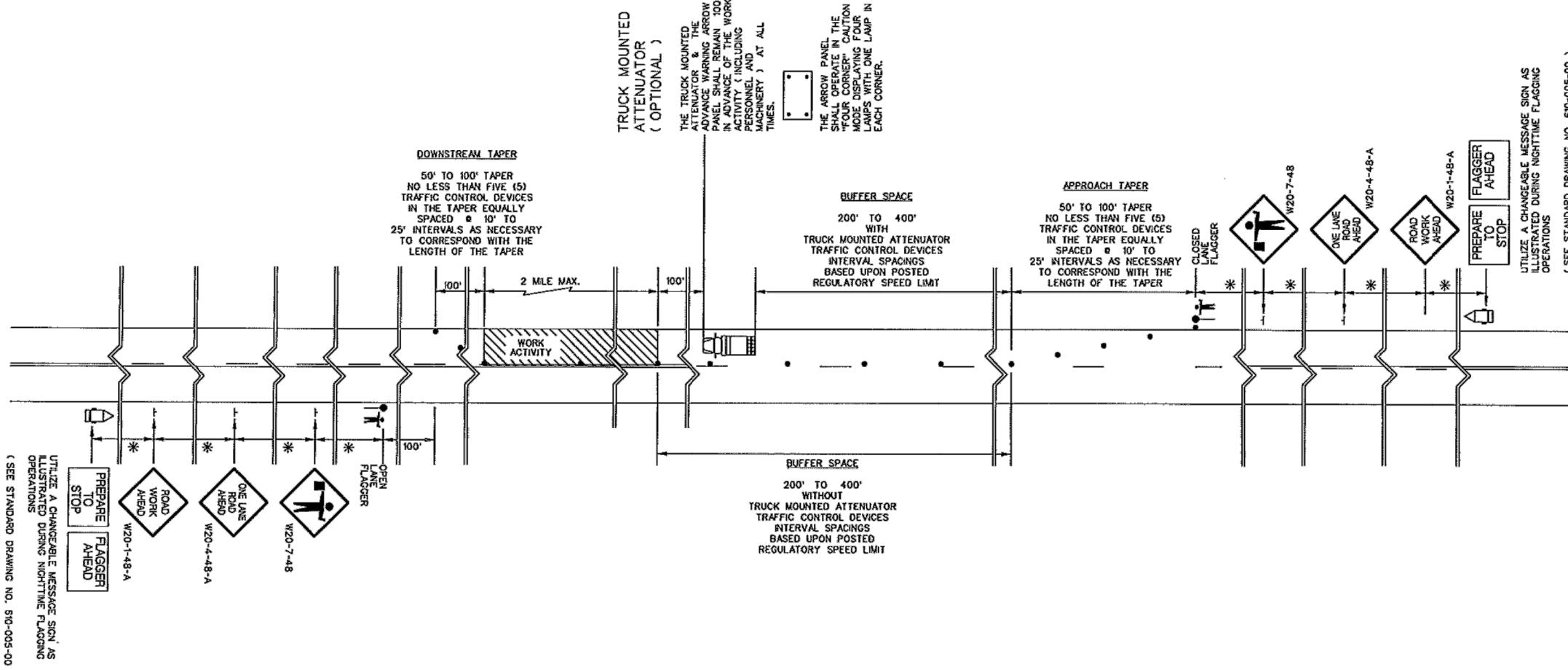


TABLE A

SIGN PLACEMENT INTERVALS	
SPEED LIMIT	*
# < 35 MPH	200
# LOW SPEED	
# 40 - 50 MPH	350
# INTERMEDIATE SPEED	
# 55 MPH	500
# HIGH SPEED	

# REGULATORY POSTED SPEED LIMIT PRIOR TO BEGINNING WORK

TABLE B

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

HIS DRAWING IS NOT TO SCALE

REFERENCES

WORK ZONE TRAFFIC CONTROL ENGINEER



*W.H. McConnell*  
SIGNATURE  
7/27/15  
DATE

6	
5	
4	
3	
2	
1	
0	1-15-15 JCS NEW DRAWING
#	DATE CHK DESCRIPTION



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

STANDARD DRAWING

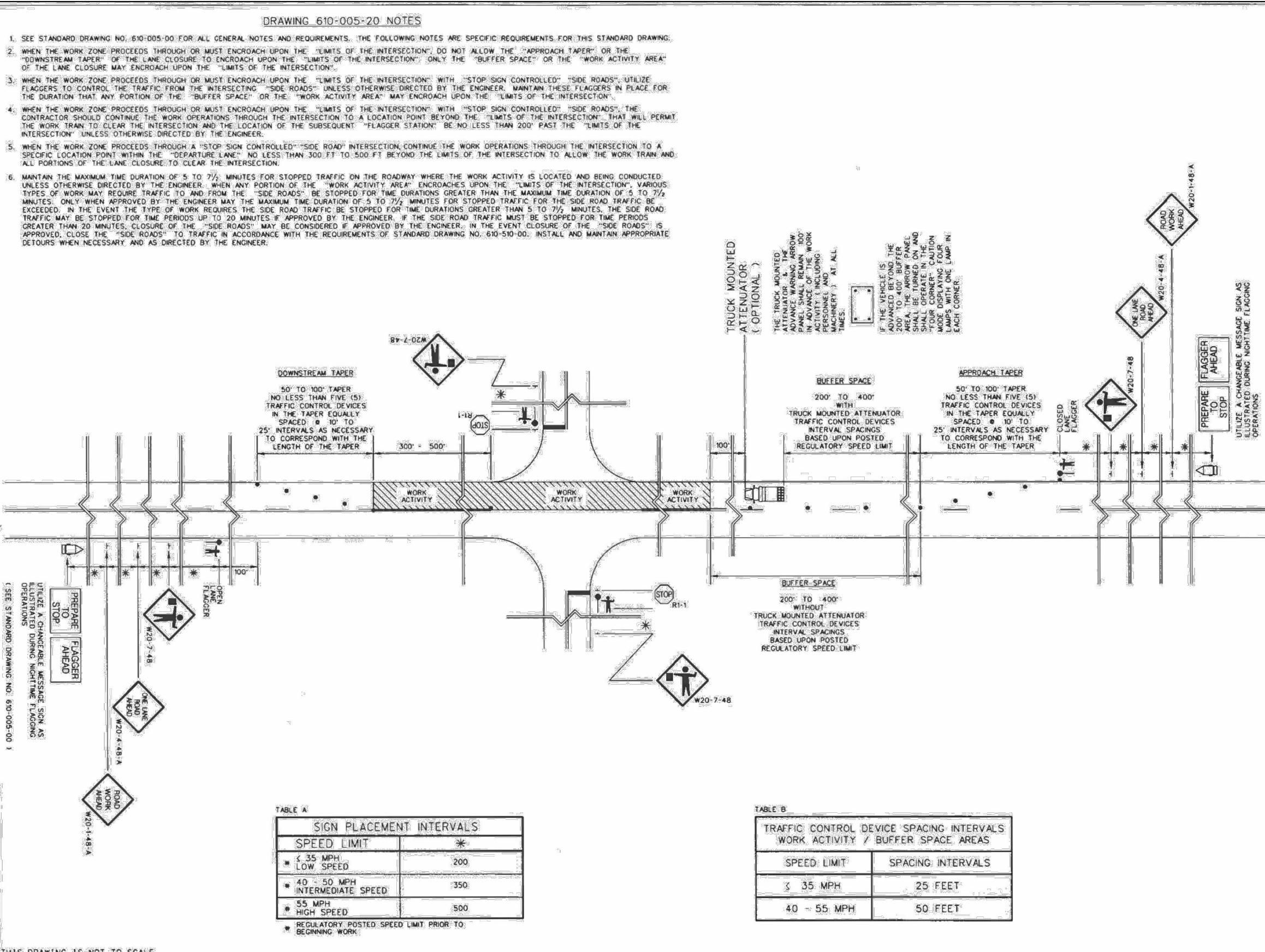
FLAGGING OPERATIONS  
TWO-LANE TWO-WAY  
ROADWAYS  
WITHOUT  
INTERSECTIONS

610-005-10

EFFECTIVE LETTING DATE JAN 2016



REFERENCES	
WORK ZONE TRAFFIC CONTROL ENGINEER	
 <i>W.E. McConnell</i> SIGNATURE 6/1/2018 DATE	
5 4 3 2 1 4-27-18 WEM REVISED WORK ACTIVITY DIMENSION AND NOTE 5 0 1-15-15 JCS NEW DRAWING # DATE CHK DESCRIPTION	
<b>SCDOT</b> SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS OFFICE 955 PARK STREET ROOM 405 COLUMBIA, SC 29201	
STANDARD DRAWING FLAGGING OPERATIONS WORK ZONES CONTINUING THROUGH STOP SIGN CONTROLLED SIDE ROADS 610-005-20	
EFFECTIVE LETTING DATE JAN 2019 THIS DRAWING IS NOT TO SCALE	



#### PROJECT INFORMATION

SITE NAME:	RT_18_FDH_01
SITE ADDRESS:	1 FAIRVIEW PL
COUNTY:	GREENVILLE
APPROVER:	

#### SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	07/10/2024	PERMIT DRAWING	CENT

#### HOURS OF OPERATION:

WORKING HOURS  
MON-FRI: 9AM-4PM



SHEET TITLE

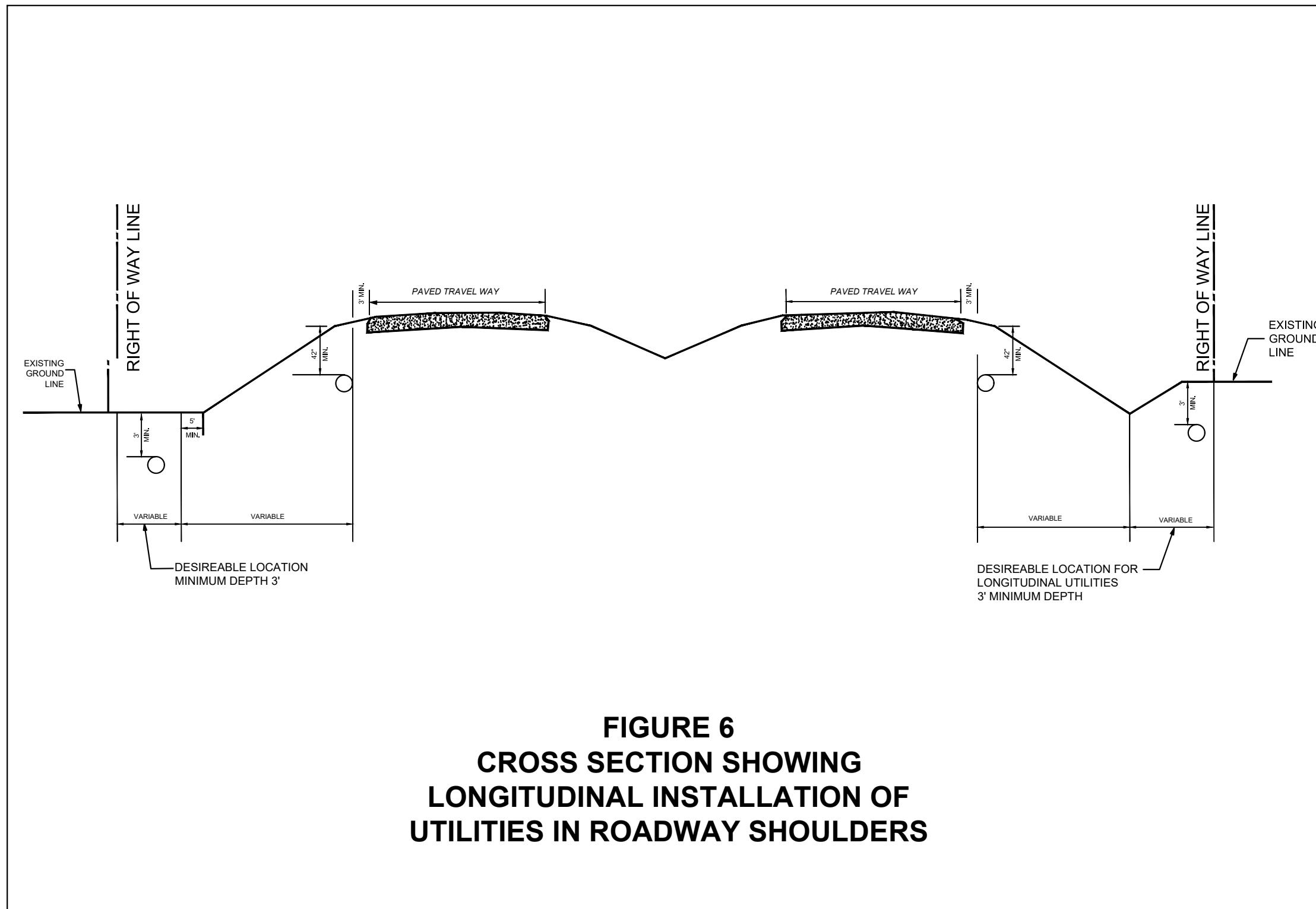
TRAFFIC CONTROL PLAN

SHEET NUMBER  
TC-3

DRAWING SHEET  
6 OF 14

## AppendixB: Pipelines

## Figure6-Longitudinal Installation of UtilitiesinRoadway Shoulders



**FIGURE 6**  
**CROSS SECTION SHOWING**  
**LONGITUDINAL INSTALLATION OF**  
**UTILITIES IN ROADWAY SHOULDERS**



SEE SHEET SP- 2

BORE LINE DEPTH TO BE  
A MINIMUM TRAVERSE OF  
60" AND LONGITUDINAL  
OF 48"

DIRECTIONAL BORE(WET)  
ALL BURIED ROUTES

ALL CABLE PLACED IN  
1.25" HDPE 2' OFF ROW

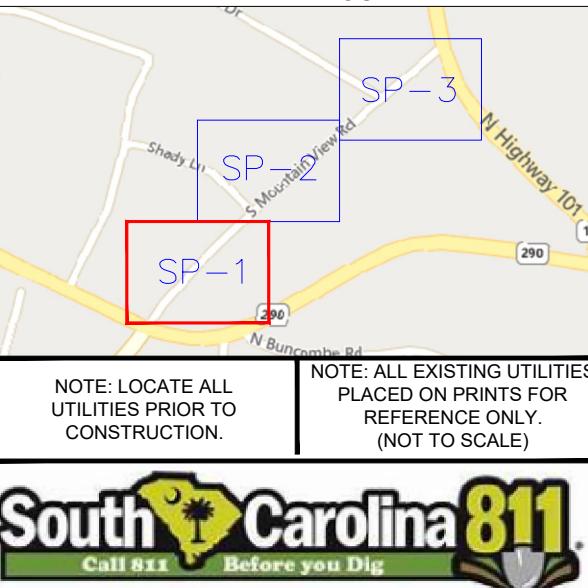
**NO ASPHALT CUTS  
SHOULD BE NEEDED FOR  
THIS ROAD CROSSING**

## CONSTRUCTION NOTES



SCDOT ROW FILE: 23.483  
SHEET # 24

## SHEET LAYOUT



**NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION**

TE: ALL EXISTING UTILITIES  
PLACED ON PRINTS FOR  
REFERENCE ONLY.  
(NOT TO SCALE)

The logo for South Carolina 811. It features the state of South Carolina in yellow and green, with a palm tree icon. The text "South Carolina 811" is written in a bold, sans-serif font. Below the state, the words "Call 811 Before you Dig" are displayed in a smaller, green, sans-serif font. A shovel icon is positioned at the bottom right.

SHEET TITLE

8 OF 14

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PREPARED BY: 110 SAMARITAN DR, SUITE 212  
CUMMING, GA 30041. USA

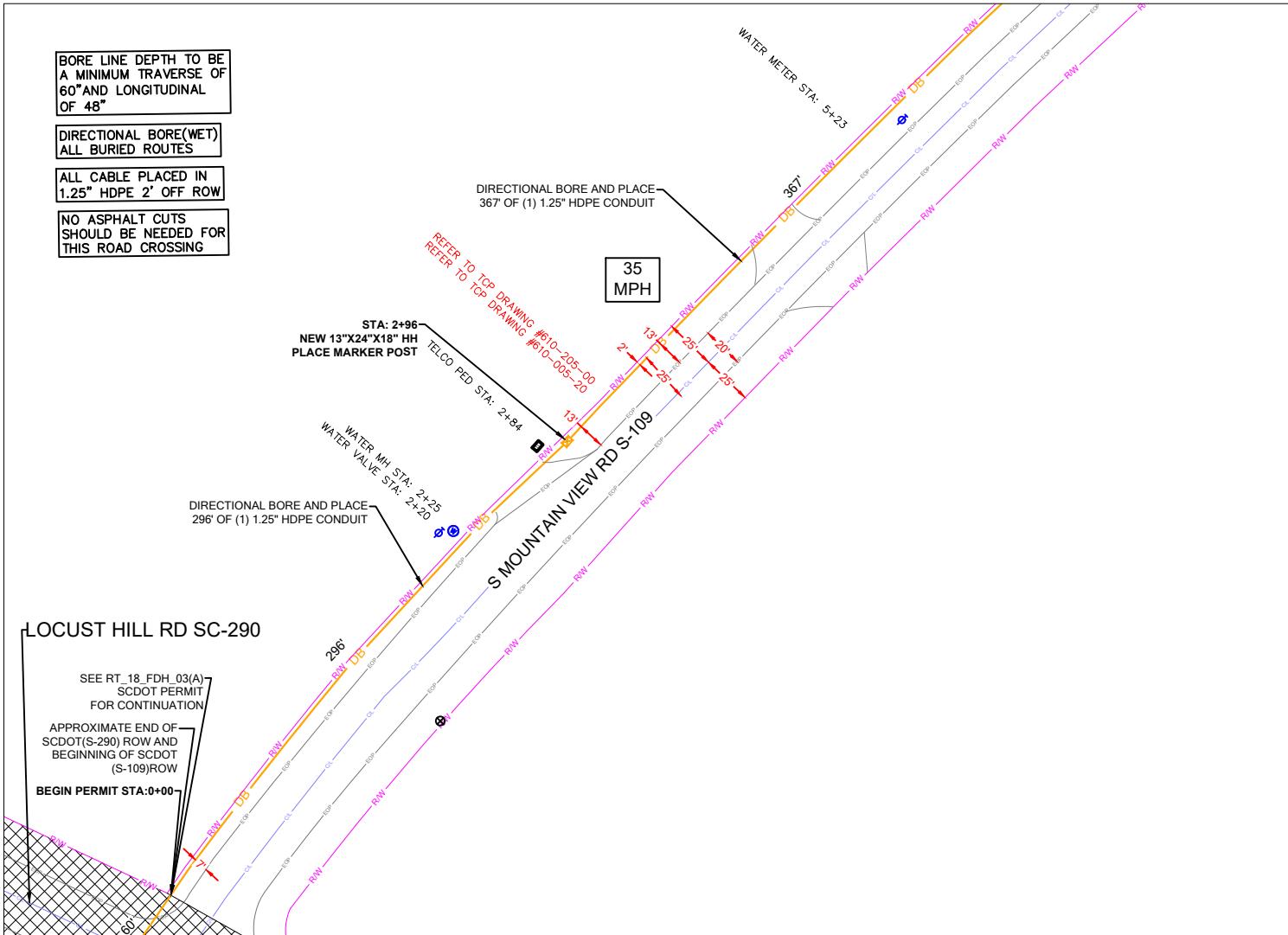
PREPARED BY: 110 SAMARITAN DR, SUITE 212  
CUMMING, GA 30041. USA

PROJECT INFORMATION		SUBMITTAL INFORMATION		
SITE NAME:	RT_18_FDH_01	REV	DATE	DESCRIPTION
SITE ADDRESS:	1 FAIRVIEW PL	0	07/10/2024	PERMIT DRAWING
COUNTY:	GREENVILLE			CENT
APPROVER:				
	0'      25'      50'			
				

---

## HOURS OF OPERATION:

---



**PROJECT INFORMATION**

SITE NAME: RT\_18\_FDH\_01

SITE ADDRESS: 1 FAIRVIEW PL

COUNTY: GREENVILLE

APPROVER:

**SUBMITTAL INFORMATION**

REV 0

DATE 07/10/2024

DESCRIPTION PERMIT DRAWING

INIT CENT

**HOURS OF OPERATION:**

WORKING HOURS  
MON-FRI: 9AM-4PM

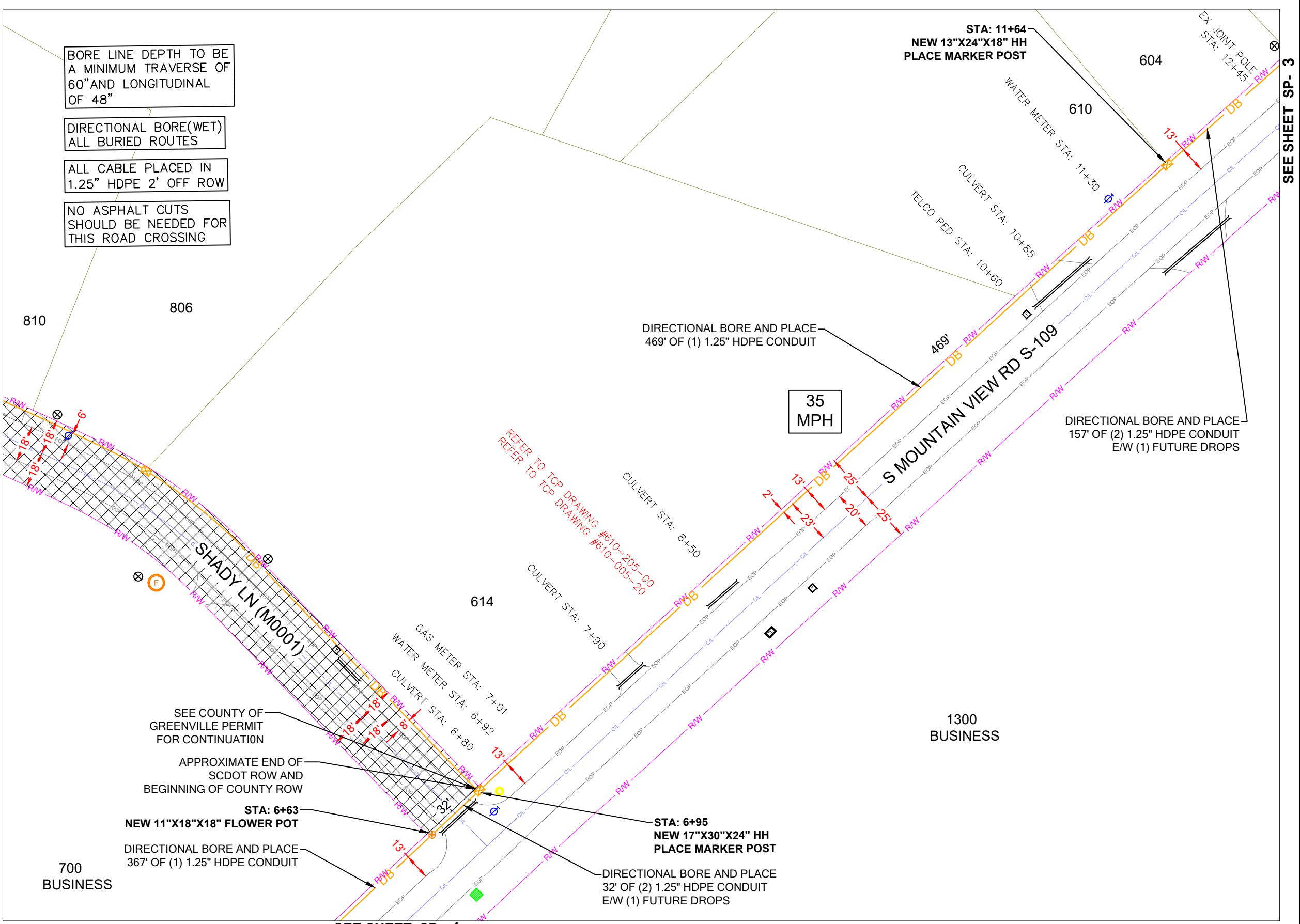


**SHEET TITLE**

**DETAILED VIEW**

**SP-1A**

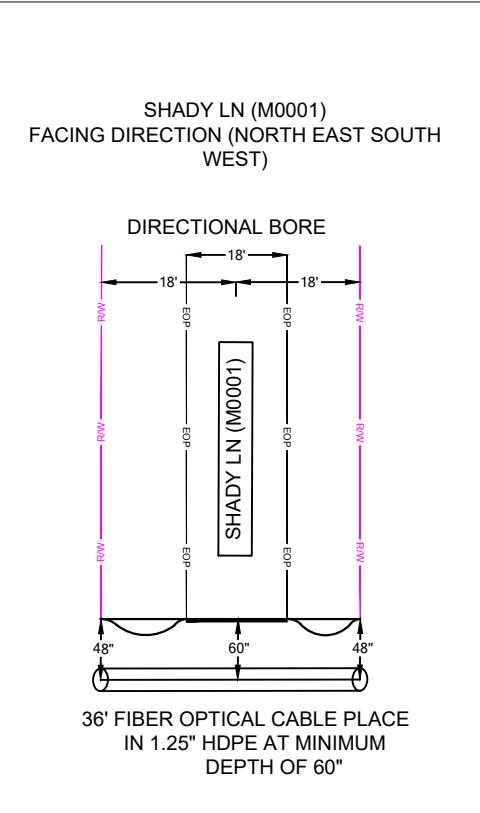
**9 OF 14**



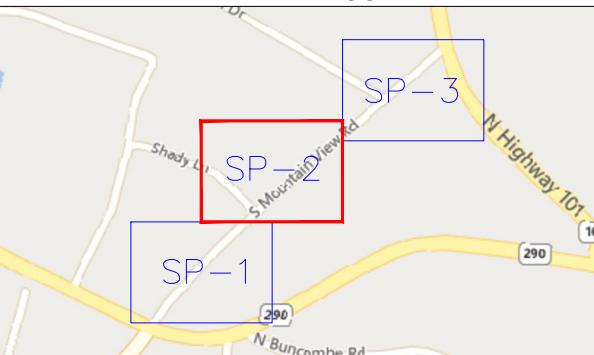
## CONSTRUCTION NOTES



SCDOT ROW FILE: 23.483  
SHEET # 24



## SHEET LAYOUT



**NOTE: LOCATE ALL  
UTILITIES PRIOR TO  
CONSTRUCTION**

TE: ALL EXISTING UTILITIES  
PLACED ON PRINTS FOR  
REFERENCE ONLY.  
(NOTE TO SCALE)



SHEET TITLE  
MIT DRAWING

Digitized by srujanika@gmail.com

10 OF 14

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PROJECT INFORMATION

SITE NAME: RT\_18\_FDH\_01

SITE ADDRESS:	1 FAIRVIEW PL
COUNTY:	GREENVILLE

COUNTY:	GREENVILLE
APPROVER:	

0' 25'

## SUBMITTAL INFORMATION

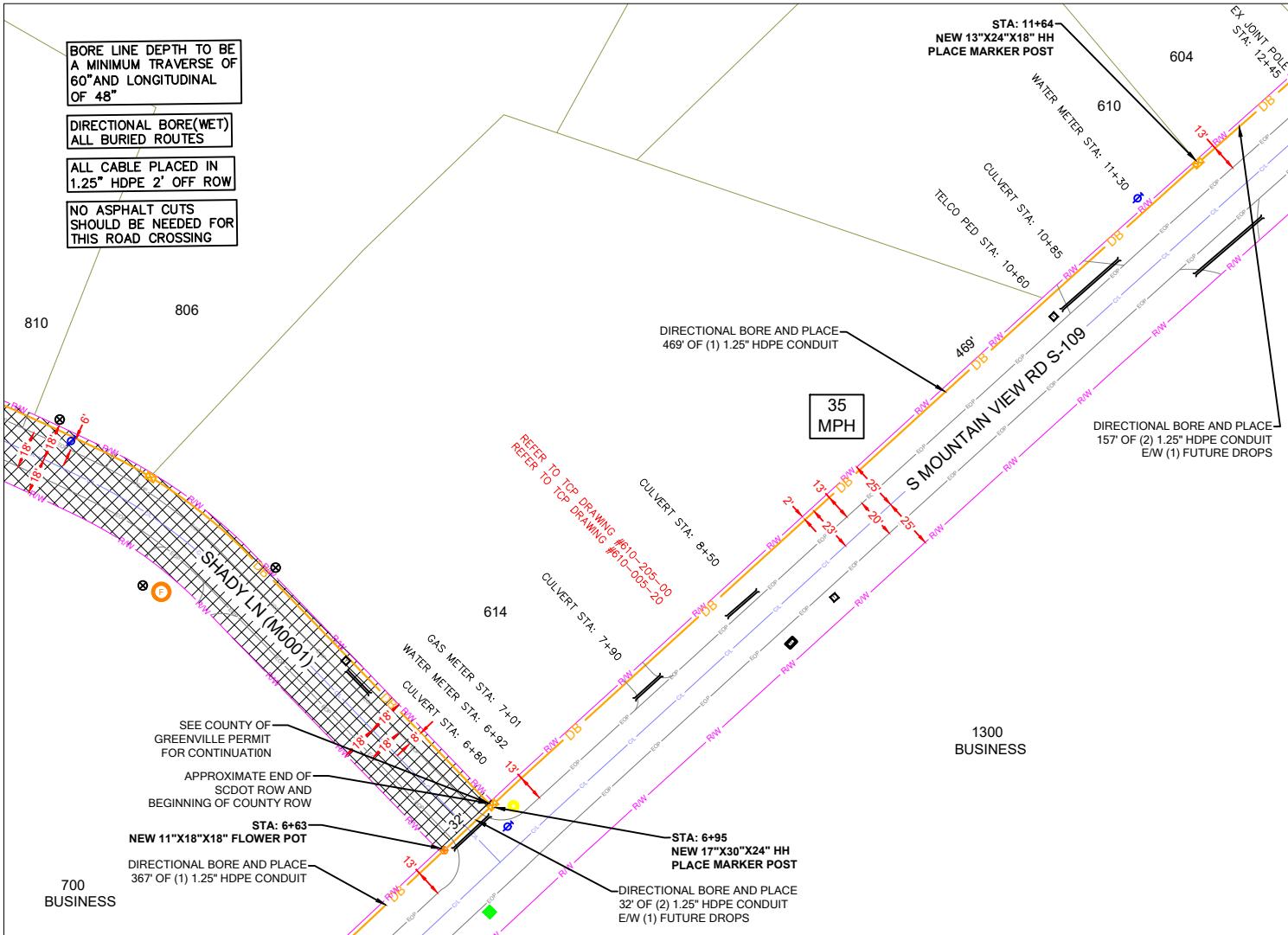
	REV	DATE	DESCRIPTION	
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0 07/10/2024 PERMIT DRAWING

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## **HOURS OF OPERATION:**

**WORKING HOURS  
MON-FRI: 9AM-4PM**



#### PROJECT INFORMATION

SITE NAME:	RT_18_FDH_01
SITE ADDRESS:	1 FAIRVIEW PL
COUNTY:	GREENVILLE
APPROVER:	

#### SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	07/10/2024	PERMIT DRAWING	CENT

#### HOURS OF OPERATION:

WORKING HOURS  
MON-FRI: 9AM-4PM



#### SHEET TITLE

#### DETAILED VIEW

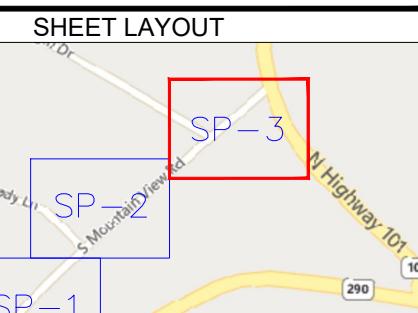
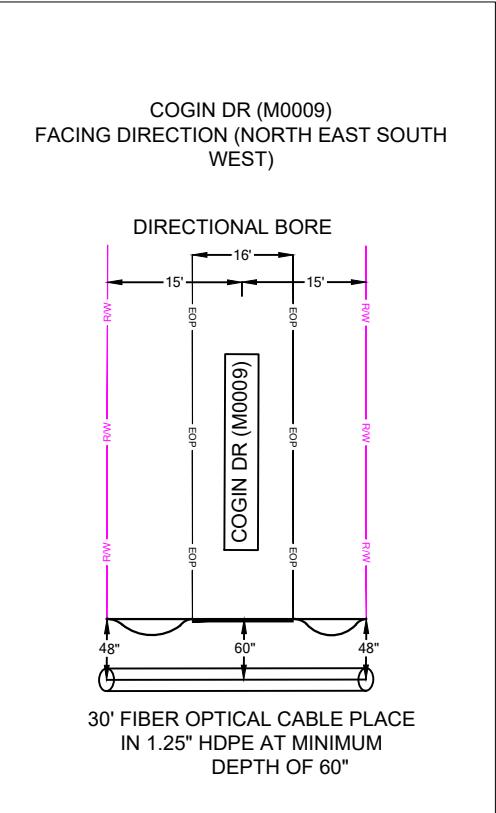
SHEET NUMBER  
SP-2A

DRAWING SHEET  
11 OF 14



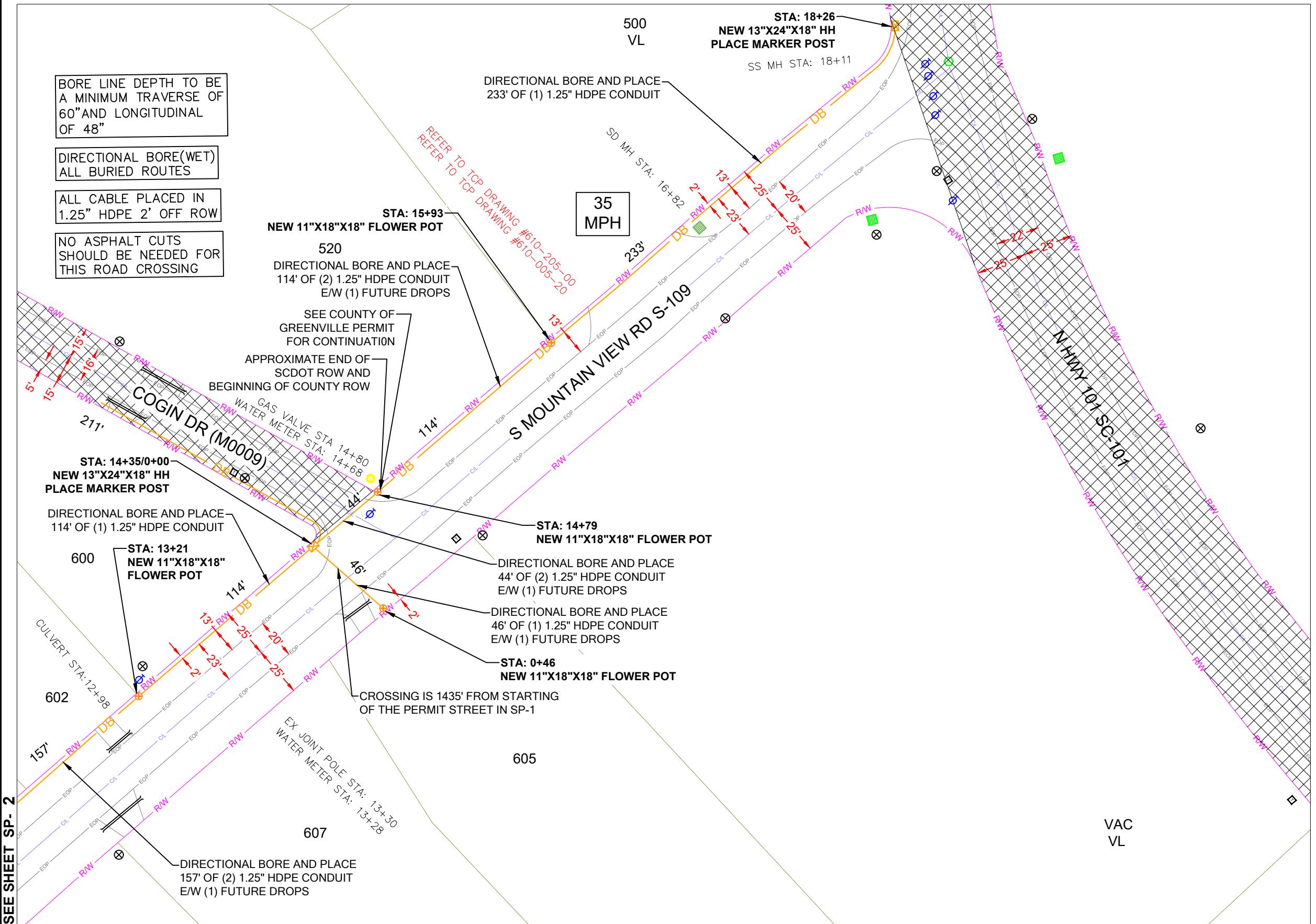
## CONSTRUCTION NOTES

SCDOT ROW FILE: 23.483  
SHEET # 25

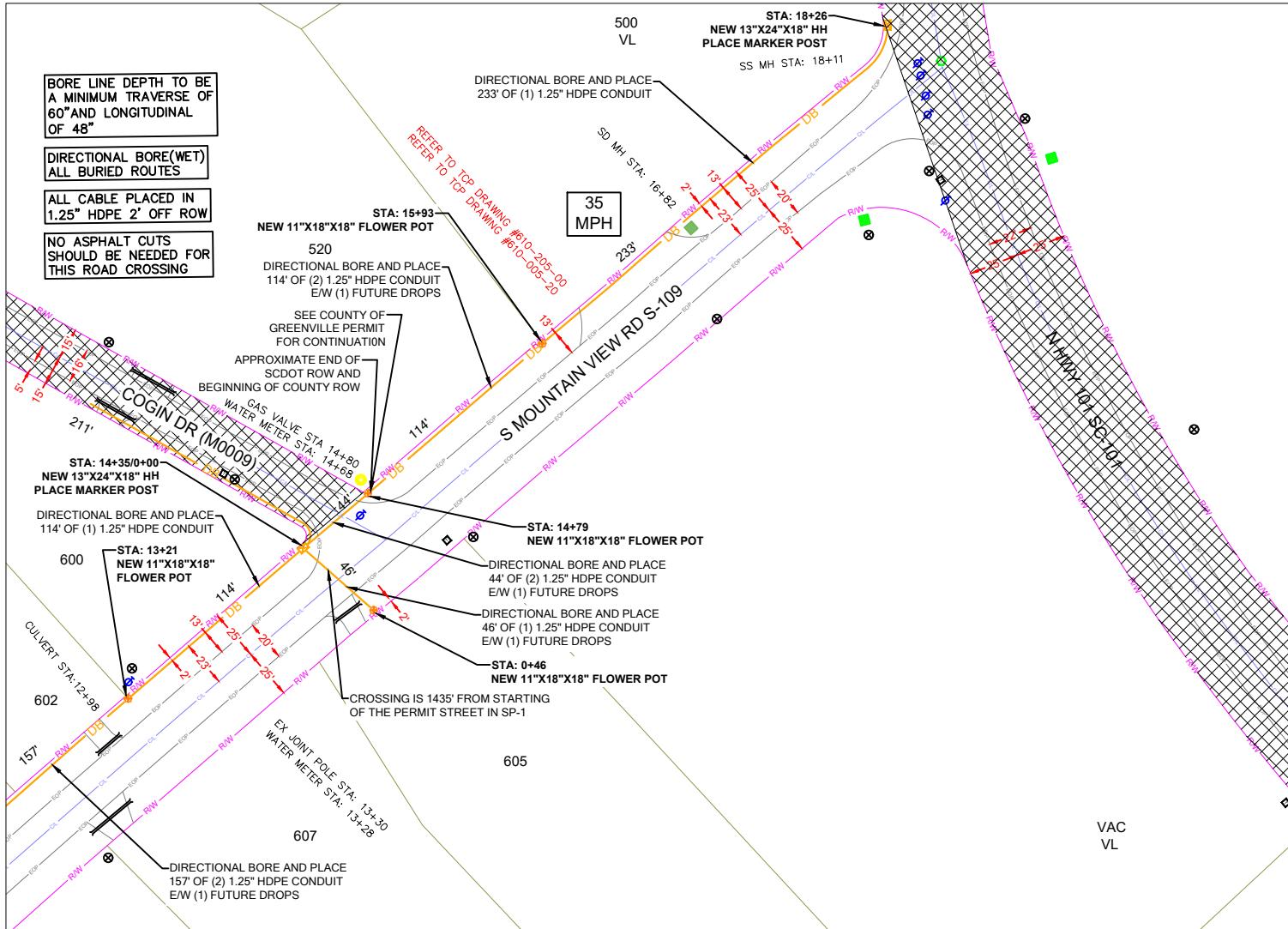


NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)



SITE NAME:	RT_18_FDH_01	REV	DATE	DESCRIPTION	INIT
SITE ADDRESS:	1 FAIRVIEW PL	0	07/10/2024	PERMIT DRAWING	CENT
COUNTY:	GREENVILLE				
APPROVER:					
	0'	25'	50'		
	SCALE: 1"=50'				



#### PROJECT INFORMATION

SITE NAME:	RT_18_FDH_01
SITE ADDRESS:	1 FAIRVIEW PL
COUNTY:	GREENVILLE
APPROVER:	

#### SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	07/10/2024	PERMIT DRAWING	CENT

#### HOURS OF OPERATION:

WORKING HOURS  
MON-FRI: 9AM-4PM



#### SHEET TITLE

#### DETAILED VIEW

SHEET NUMBER  
SP-3A

DRAWING SHEET  
13 OF 14

# STATE REFERENCE

S MOUNTAIN VIEW RD S-109 - DOCKET NUMBER: 23.483 - PAGE NUMBER: 24-25 OF 58

## PROJECT INFORMATION

SITE NAME: RT\_18\_FDH\_01

SITE ADDRESS: 1 FAIRVIEW PL

COUNTY: GREENVILLE

APPROVER:

## SUBMITTAL INFORMATION

REV: 0

DATE: 07/10/2024

DESCRIPTION: PERMIT DRAWING

INIT: CENT

## HOURS OF OPERATION:

WORKING HOURS  
MON-FRI: 9AM-4PM



SHEET TITLE:  
SCDOT ROW PLANS

SHEET NUMBER: S-REF  
DRAWING SHEET: 14 OF 14