

LUMOS NETWORKS  
 JOB NUMBER: R01963-017  
 ROUTE NAME: RT\_18\_FDH\_10

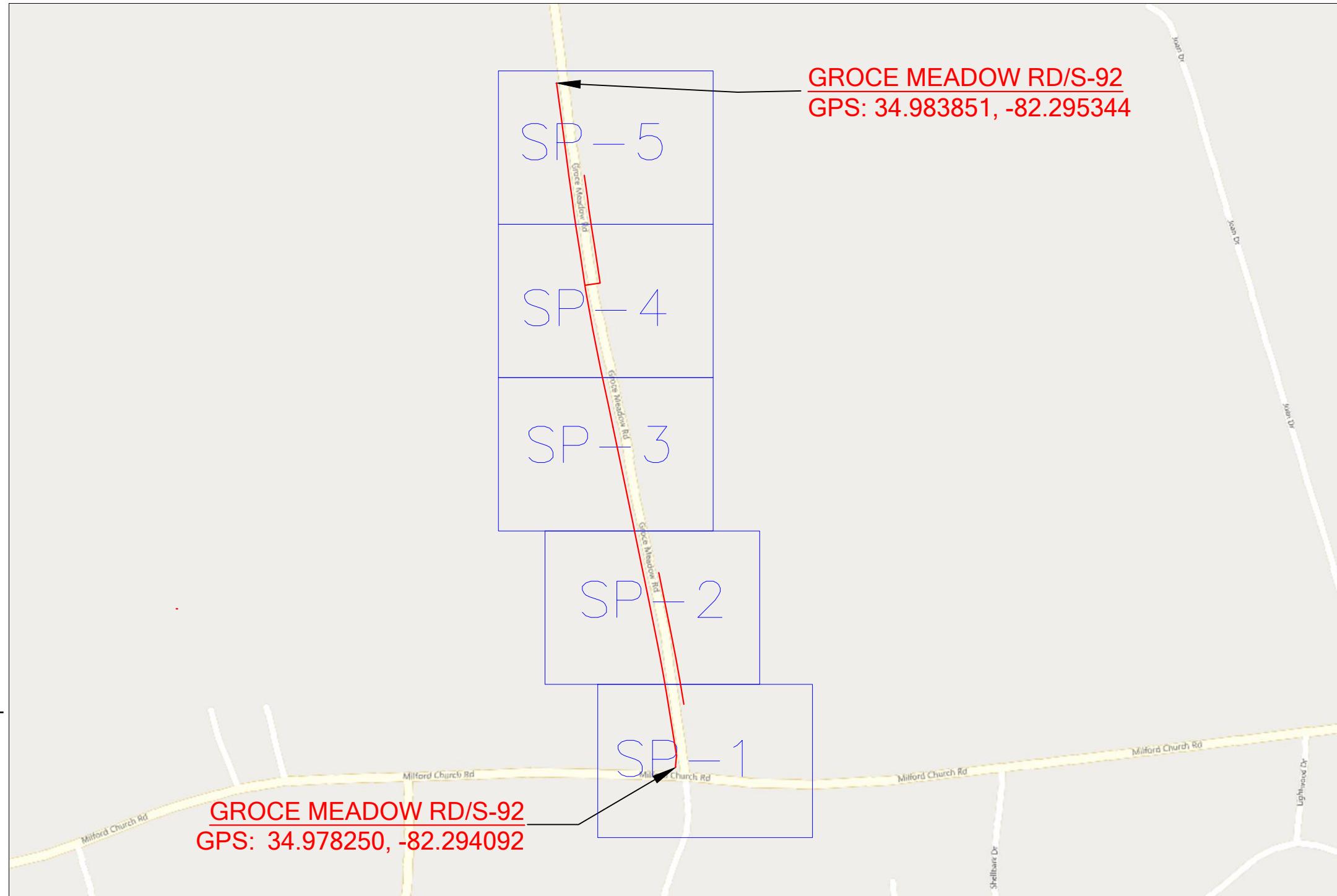
PERMIT DRAWING

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LUMOS PROPOSED FIBER OPTIC NETWORK PLACEMENT

CONSTRUCTION METHOD	FOOTAGE
UNDERGROUND	3077'
AERIAL	0'

TOTAL PROPOSED FOOTAGE = 3077'



PROJECT INFORMATION

SITE NAME:	RT_18_FDH_10
SITE ADDRESS:	152 N RUTHERFORD RD
COUNTY:	GREENVILLE
APPROVER:	

SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	04/29/2024	PERMIT DRAWING	CENT



SHEET TITLE  
 LOCATION MAP

SHEET NUMBER  
 T-1

DRAWING SHEET  
 1 OF 17

**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. STRAND	= EX. BURIED FIBER
-O-O-O-	= EX. FENCE
GR GR	= EX. GUARDRAIL
	= RAILROAD
	= PROPOSED OVERHEAD FIBER
144	= PROPOSED BURIED FIBER
	= PROPOSED CONDUIT
STRAND	= PROPOSED STRAND
	= PROPOSED 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			
	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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COUNTY:	GREENVILLE
APPROVER:	

### SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
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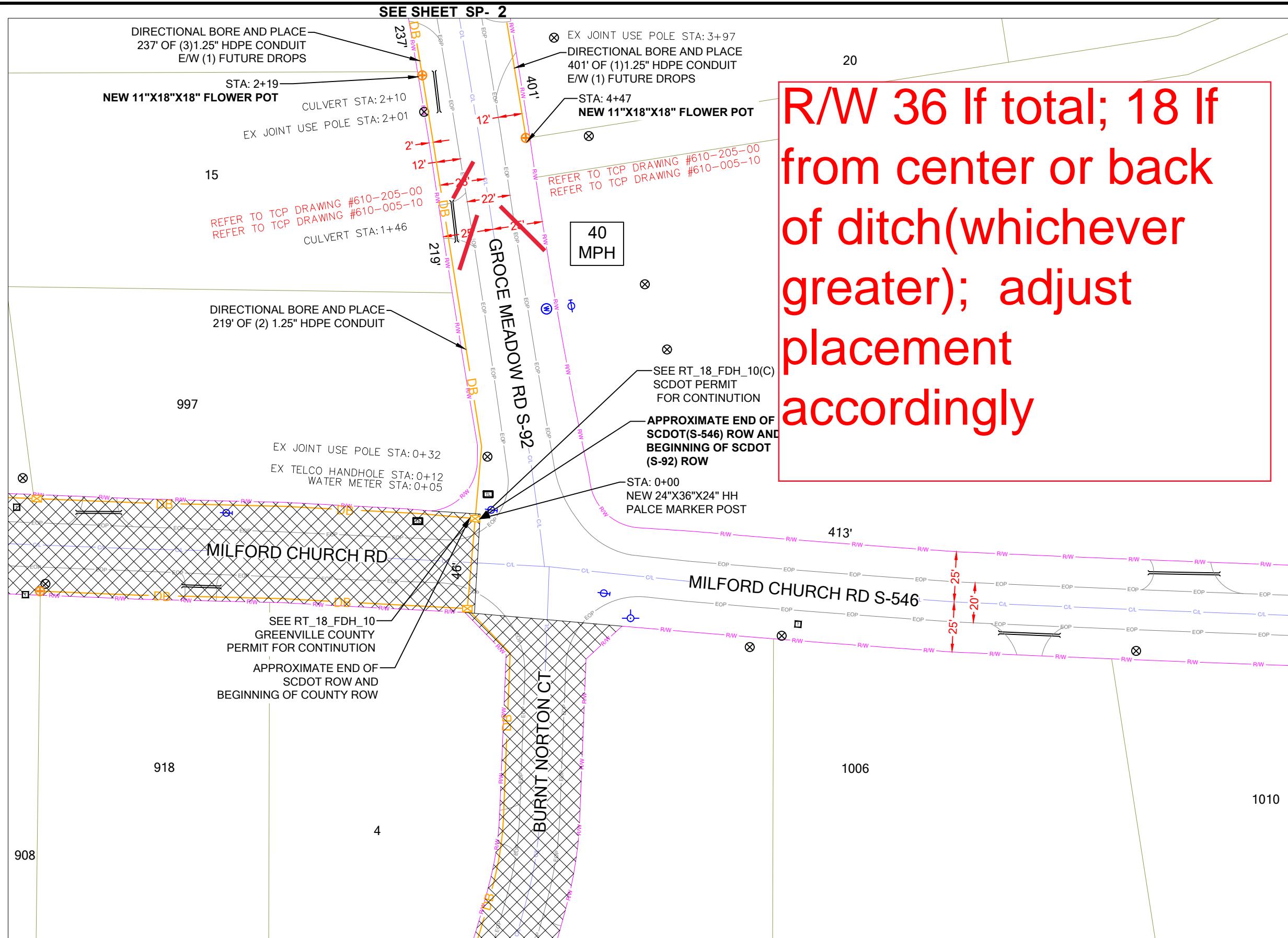


## PERMIT NOTES

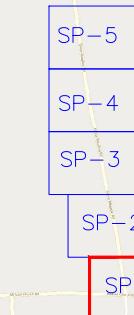


SCDOT ROW FILE: NOT FOUND  
SHEET #

R/W 36 If total; 18 If from center or back of ditch(whichever greater); adjust placement accordingly



## SHEET LAYOUT

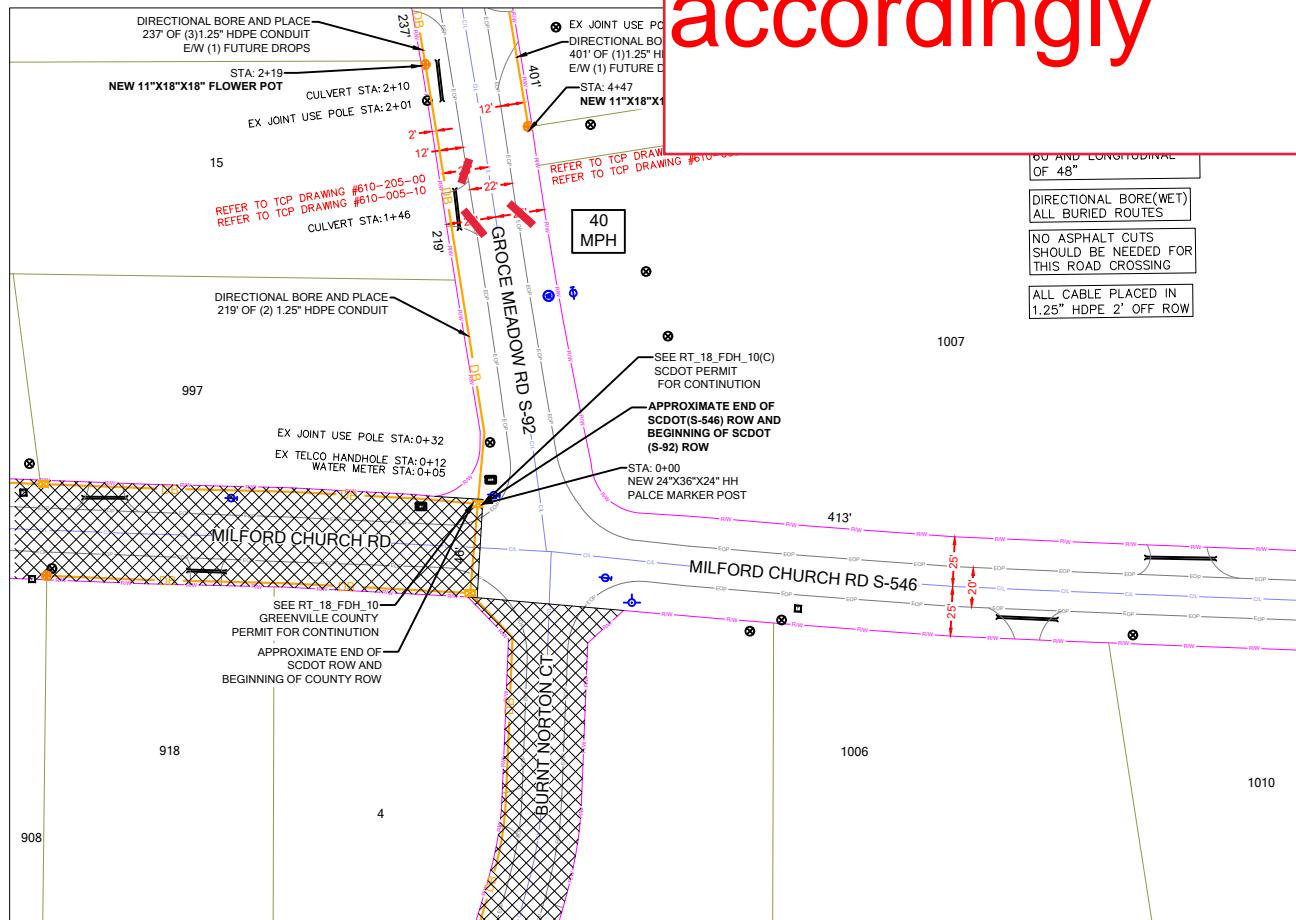


NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

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



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APPROVER:	

SUBMITTAL INFORMATION

	REV	DATE	DESCRIPTION
	0	04/29/2024	PERMIT DRAWING

#### **4 HOURS OF OPERATION**

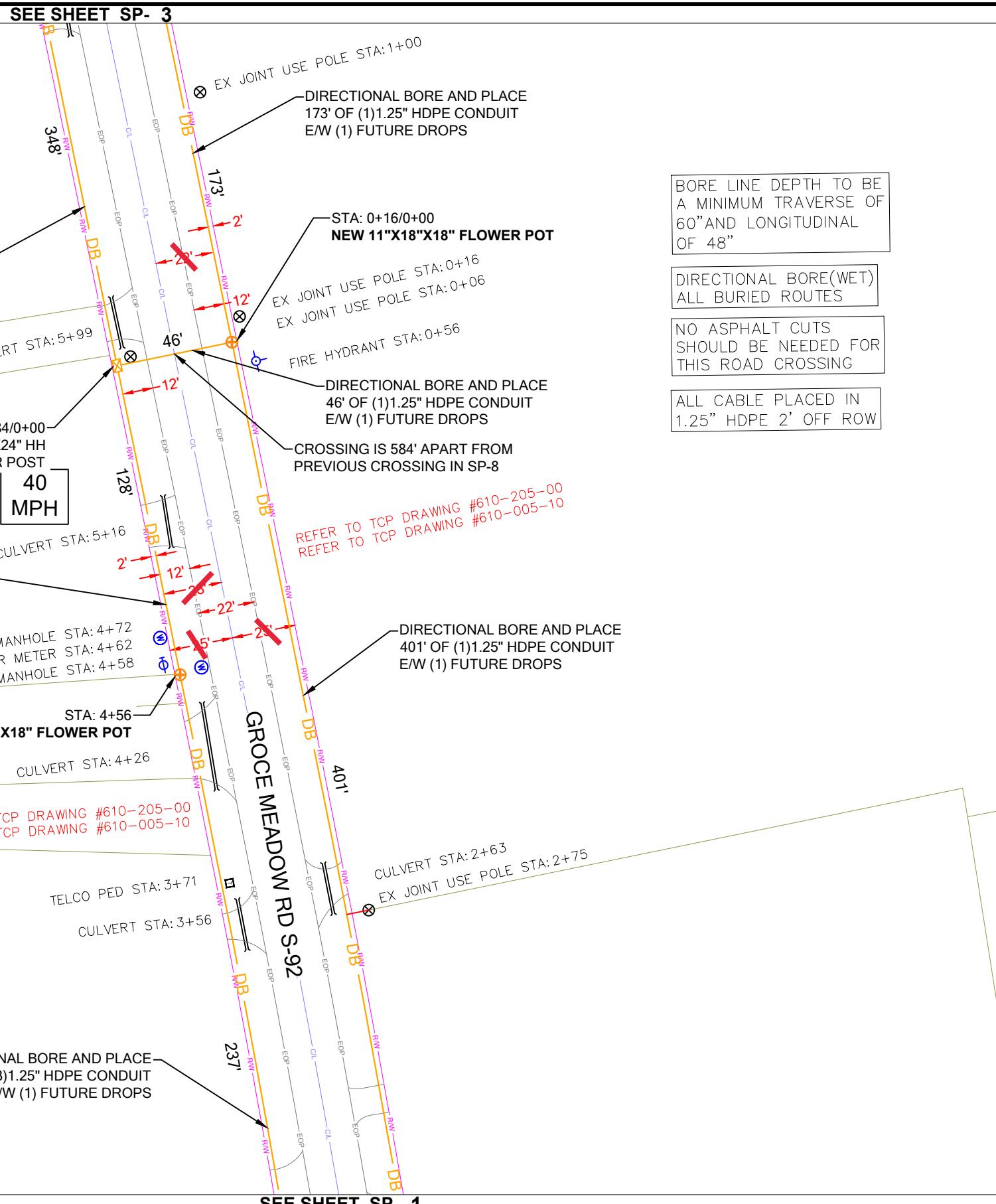


SHEET TITLE  
DETAILED VIEW

SHEET NUMBER  
**SP-1A**

DRAWING SHEET  
8 OF 17

R/W 36 If total; 18 If from center or back of ditch(whichever greater); adjust placement accordingly

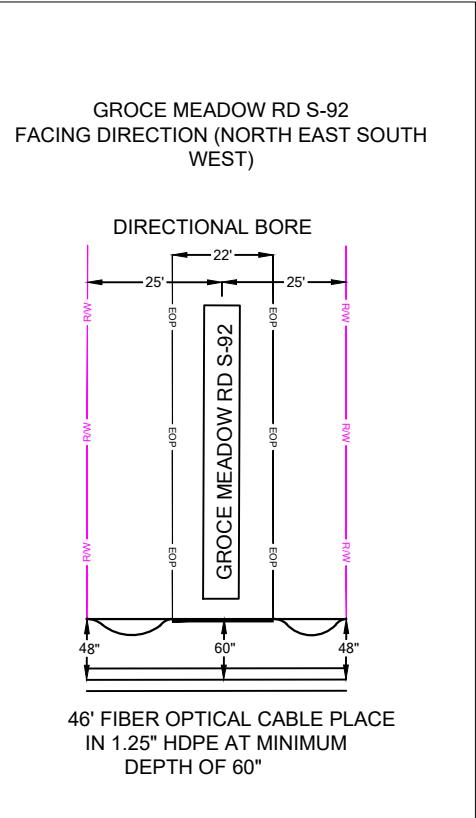


PROJECT INFORMATION				SUBMITTAL INFORMATION				HOURS OF OPERATION:			
SITE NAME:	RT_18_FDH_10	REV		DATE		DESCRIPTION		INIT			
SITE ADDRESS:	152 N RUTHERFORD RD	0	04/29/2024		PERMIT DRAWING		CENT				
COUNTY:	GREENVILLE										
APPROVER:											
		0'	25'	50'							
		SCALE: 1"=50'									

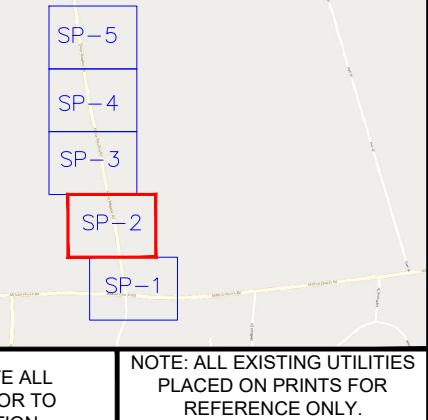
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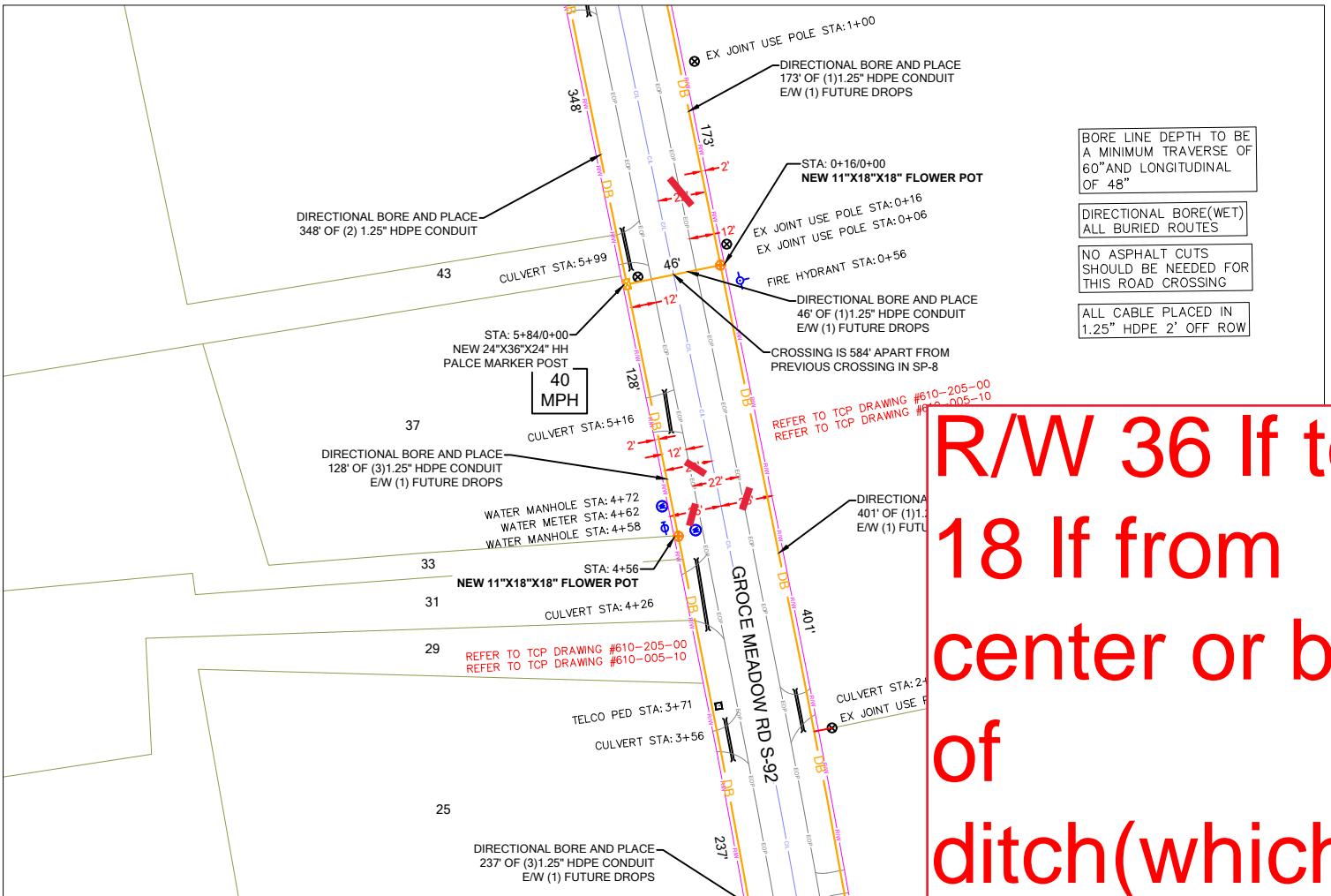


## SHEET LAYOUT



SHEET TITLE

PERMIT DRAWING



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center or back  
of  
ditch(whichever  
greater); adjust  
placement  
accordingly



## SEE SHEET SP- 4

DIRECTIONAL BORE AND PLACE  
434' OF (2) 1.25" HDPE CONDUIT

EX JOINT USE POLE STA: 11+35

TELCO PED STA: 11+14

434'

CULVERT STA: 10+70

STA: 10+39  
NEW 24"X36"X24" HH  
PALCE MARKER POST

DIRECTIONAL BORE AND PLACE  
107' OF (3)1.25" HDPE CONDUIT  
E/W (1) FUTURE DROPS

EX TELCO HANHOLE STA: 9+58

CULVERT STA: 9+46

WATER MANHOLE STA: 9+34

EX JOINT USE POLE STA: 9+27

EX TELCO HANHOLE STA: 9+22

STA: 9+32

NEW 11"X18"X18" FLOWER POT

REFER TO TCP DRAWING #610-205-00  
REFER TO TCP DRAWING #610-005-10

40 MPH

CULVERT STA: 8+42

DIRECTIONAL BORE AND PLACE  
348' OF (2) 1.25" HDPE CONDUIT

WATER METER STA: 7+58

WATER MANHOLE STA: 7+56

EX JOINT USE POLE STA: 7+47

TELCO PED STA: 7+39

CULVERT STA: 7+27

47

SEE SHEET SP- 2

51

30

56

57

61

75

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

DIRECTIONAL BORE(WET)  
ALL BURIED ROUTES

NO ASPHALT CUTS

ALL CABLE PLACED IN  
1.25" HDPE 2' OFF ROW

R/W 36 If total; 18 If  
from center or back of  
ditch(whichever  
greater); adjust  
placement  
accordingly

## PERMIT NOTES



SCDOT ROW FILE: NOT FOUND  
SHEET #

## SHEET LAYOUT

SP-5

SP-4

SP-3

SP-2

SP-1

NOTE: LOCATE ALL  
UTILITIES PRIOR TO  
CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES  
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SHEET TITLE

PERMIT DRAWING

SHEET NUMBER

DRAWING SHEET

SP-3

11 OF 17

## PROJECT INFORMATION

SITE NAME: RT\_18\_FDH\_10

SITE ADDRESS: 152 N RUTHERFORD RD

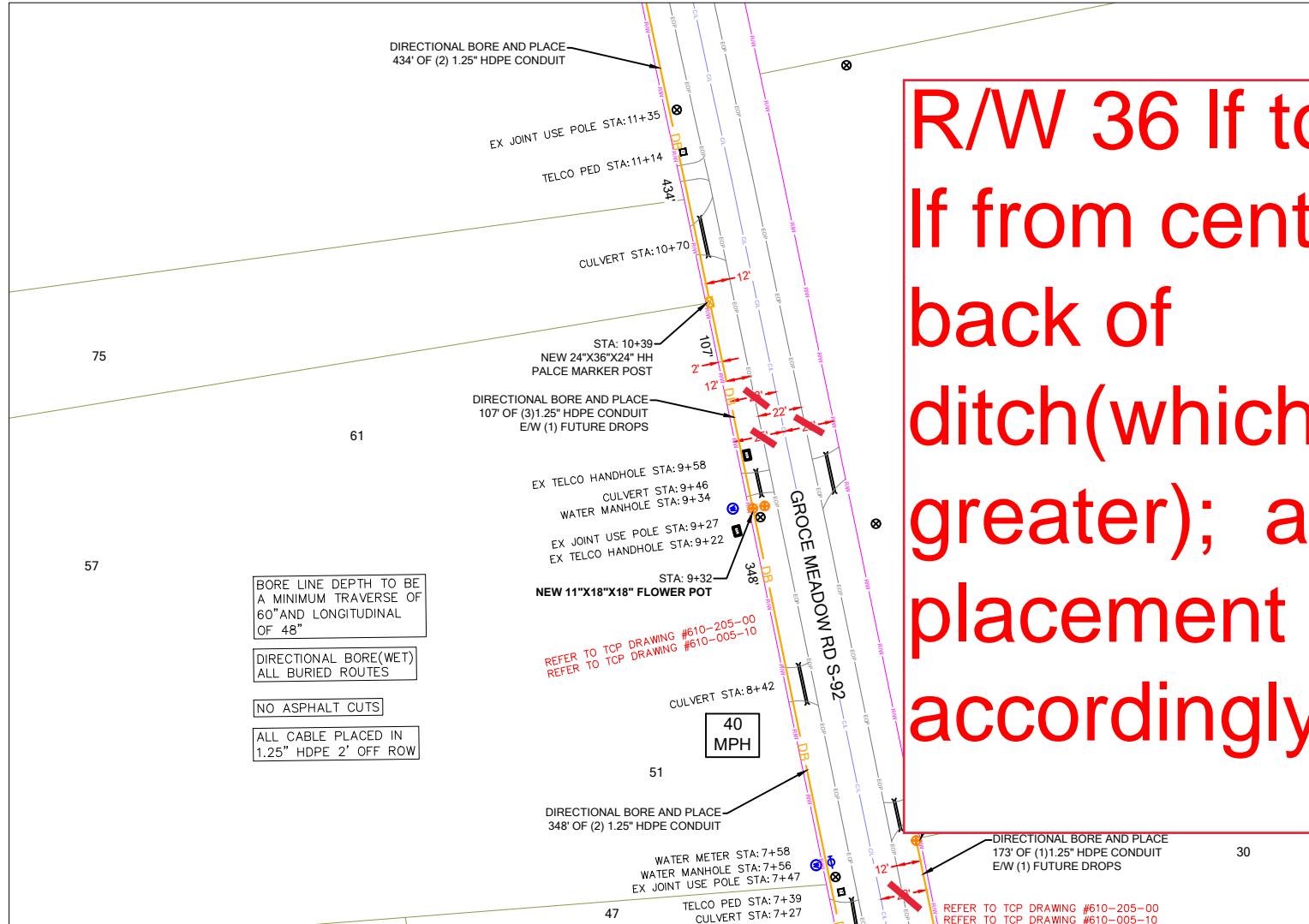
COUNTY: GREENVILLE

APPROVER:

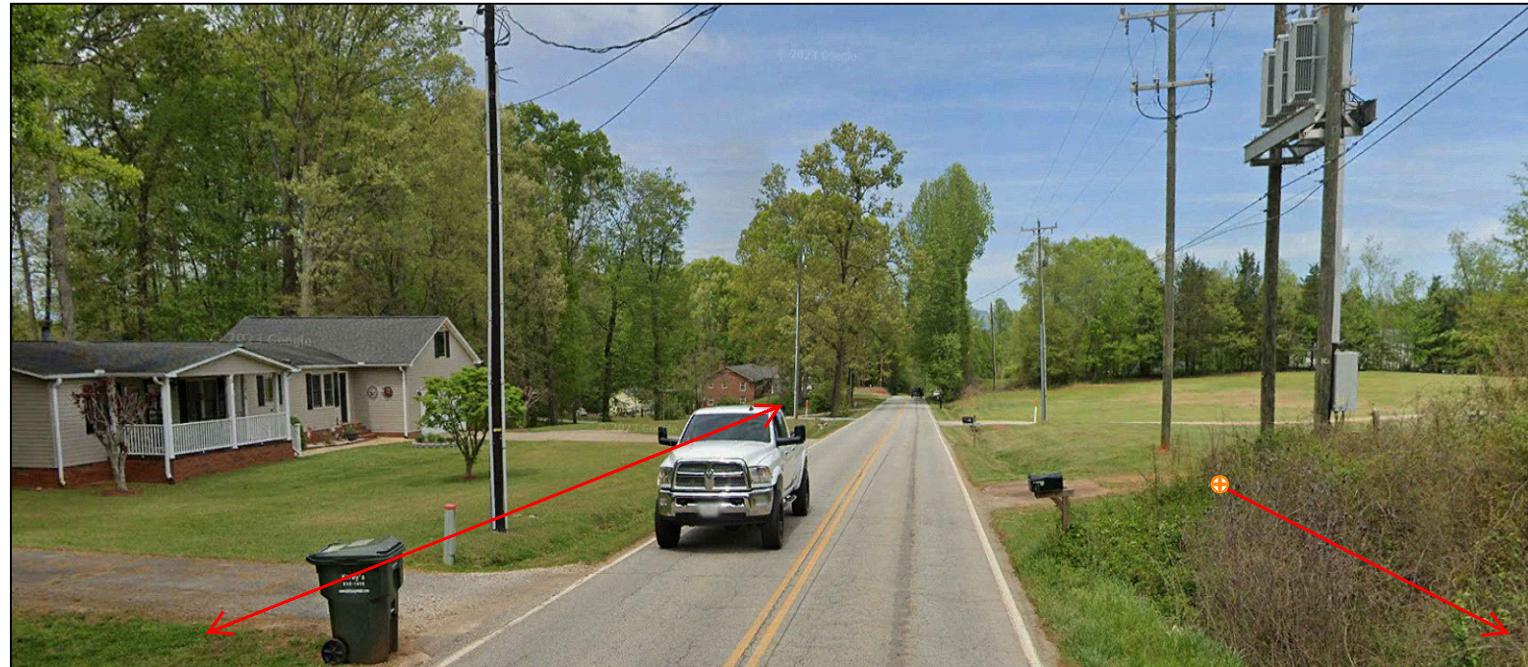
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0 04/29/2024 PERMIT DRAWING CENT



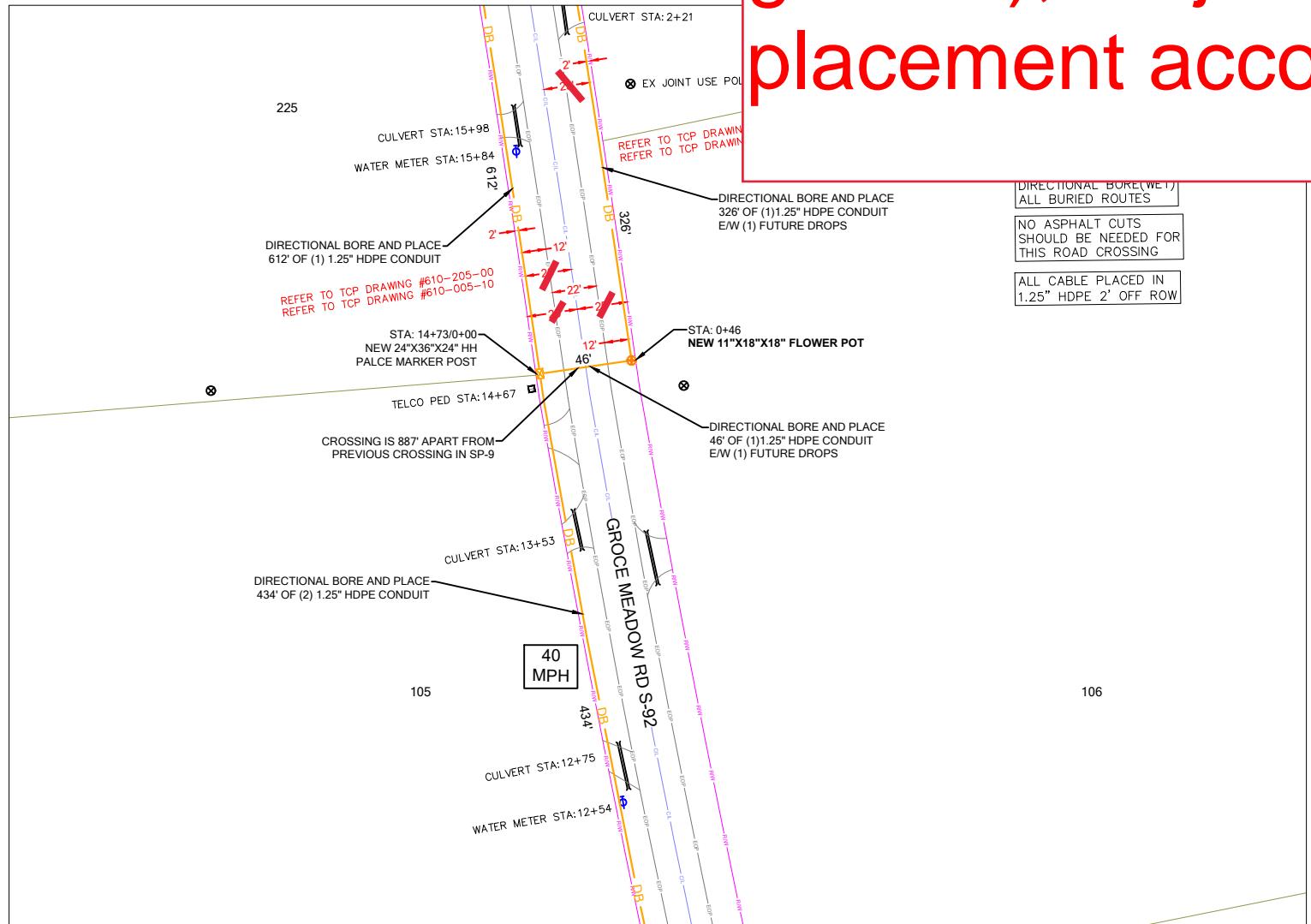
R/W 36 If total; 18  
If from center or  
back of  
ditch(whichever  
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SUBMITTAL INFORMATION				HOURS OF OPERATION:		N	DETAILED VIEW		
SITE NAME:	REV	DATE	DESCRIPTION	INIT	WORKING HOURS MON-FRI: 9AM-4PM		SP-3A	DRAWING SHEET 12 OF 17	
SITE ADDRESS:	0	04/29/2024	PERMIT DRAWING	CENT					
COUNTY:									
APPROVER:									



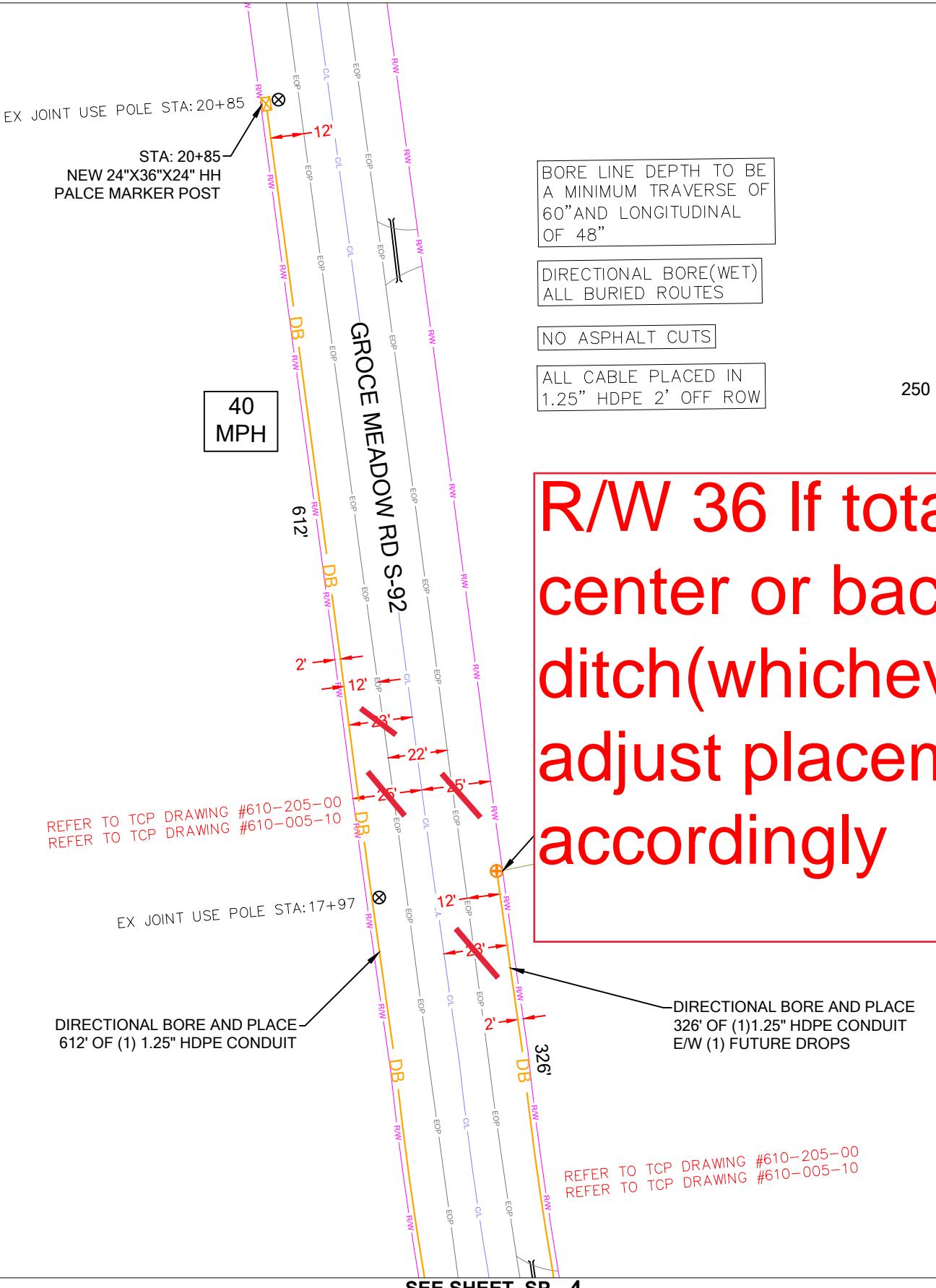
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# PERMIT NOTES

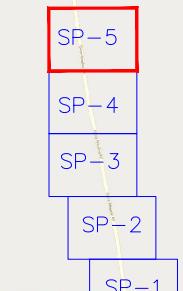


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SHEET LAYOUT



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SHEET TITLE  
PERMIT DRAWING

DRAWING SHEET  
15 OF 17

**Lumos™**



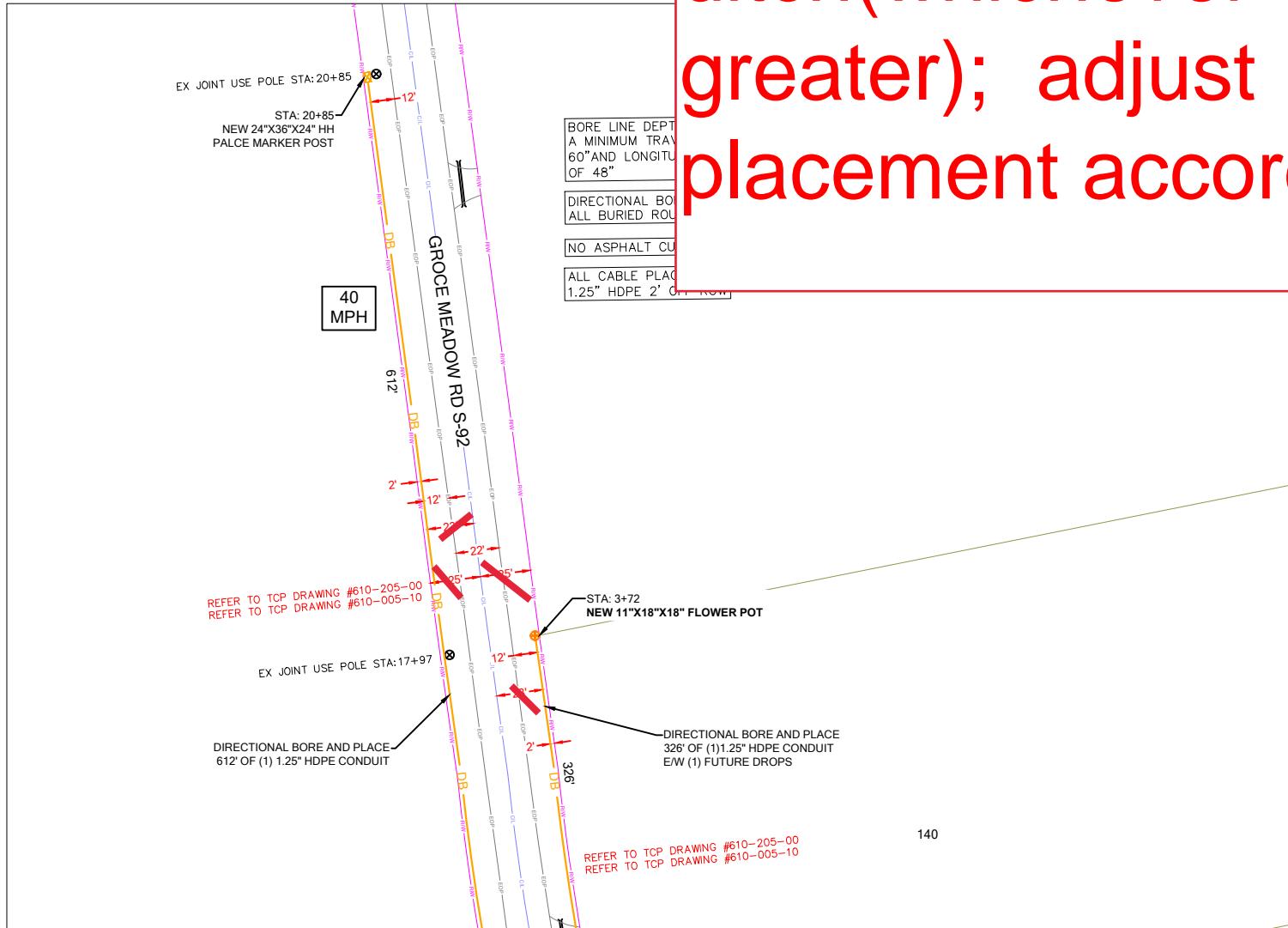
PREPARED BY: 110 SAMARITAN DR, SUITE 212  
CUMMING, GA 30041, USA

CENTILLION  
CONSULTING LLC

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TE 212 USA	PROJECT INFORMATION		SUBMITTAL INFORMATION			
	SITE NAME:	RT_18_FDH_10	REV	DATE	DESCRIPTION	INIT
	SITE ADDRESS:	152 N RUTHERFORD RD	0	04/29/2024	PERMIT DRAWING	CENT
	COUNTY:	GREENVILLE				
	APPROVER:					
	0'      25'      50'					
						

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# STATE REFERENCE

GROCE MEADOW RD S-92 - DOCKET NUMBER: NOT FOUND - PAGE NUMBER: N/A

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## HOURS OF OPERATION:

WORKING HOURS  
MON-FRI: 9AM-4PM



SHEET TITLE

SCDOT ROW PLANS

SHEET NUMBER  
S-REF

DRAWING SHEET  
17 OF 17