

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION BUREAU OF ENGINEERING

BEDFORD COUNTY

S.R. 130 BRIDGES OVER BRANCH
AT LM'S 4.77, 5.45, 9.83
AND BRIDGE OVER SUGAR CREEK, LM 8.30

STATE HIGHWAY NO. 130 F.A.H.S. NO. N/A

TENN.	YEAR 2015	SHEET NO. U1-1
FED. AID PROJ. NO.	BR-STP-130(20)	
STATE PROJ. NO.	02014-3212-94	
BEDFORD CO.		S.R. 130

Index Of Sheets	
SHEET NAME	SHEET NUMBER
UTILITIES INDEX, UTILITIES OWNERS, AND UTILITY SHEETS	U1-1 - U1-6
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WATER RELOCATION SHEETS BEDFORD COUNTY UTILITY DISTRICT	U3-1 - U3-11
GAS RELOCATION SHEETS BEDFORD COUNTY UTILITY DISTRICT	U4-1 - U4-8

UTILITY OWNERS AND CONTACTS:

<p>WATER & GAS: BEDFORD COUNTY UTILITY DISTRICT 214 BETHANY LANE SHELBYVILLE, TN 37162 PHONE: (931) 684-1667 WILLIE WEST Email: distmgr@bcud.net</p>	<p>ELECTRIC: DUCK RIVER ELECTRIC MEMBERSHIP 1411 MADISON STREET SHELBYVILLE, TN 37160 PHONE: (931) 680-5850 FAX: (931) 680-5898 JEFF GRAVES Email: jgraves@drenc.com</p>
<p>GAS: SPECTRA ENERGY (East Tennessee Natural Gas) 555 MARRIOT DRIVE, SUITE 600 NASHVILLE, TN 37214 PHONE: (615) 872-5182 CONTACT: ERIC McNEELY Email: emcneely@spectraenergy.com</p>	<p>TELEPHONE: AT&T 116 SOUTH CANNON AVENUE MURFREESBORO, TN 37129 PHONE: (615) 848-2082 CONTACT: KENNETH KORNEGAY, CELL (615) 631-7221</p>

STANDARD LEGEND

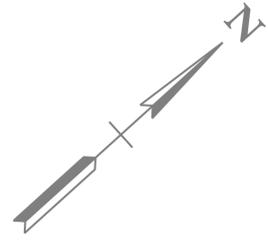
EXISTING UTILITIES			
POWER/CABLE	— P/C —	POWER POLE	⊕
TELEPHONE	— T —	TELEPHONE POLE	⊕
WATER	— W —		
CABLE TV	— C —		
SANITARY SEWER	— SA —	POWER/TELEPHONE POLE	⊕
UNDERGROUND TELEPHONE	— T (UG) —		
GAS	— G —	MANHOLE	⊕
FORCE MAIN SEWER	— FMS —		
UNDERGROUND POWER	— P (UG) —	WATER METER	□ W.M.
		WATER VALVE	□ W.V.
		LIGHT POLE	○-○
PROPOSED UTILITIES			
POWER/CABLE	— P/C —	POWER POLE	● P
UNDERGROUND POWER	— P (UG) —	TELEPHONE POLE	● T
TELEPHONE	— T —		
WATER	— W —		
CABLE TV	— C —		
UNDERGROUND TELEPHONE	— T (UG) —		
GAS	— G —		
FORCE MAIN SEWER	— FMS —	WATER METER	■ W.M.

SPECIAL NOTES

SOME UTILITIES CAN BE LOCATED BY CALLING THE
TENNESSEE ONE CALL SYSTEM, INC.
AT 1-800-351-1111

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	BR-STP-130(20)	U1-2

LM 4.77 02014-2212-94
 END PROJ. NO. BR-STP-130(20) CONST.
 STA. 254+00.00 N 387190.9993
 E 1803673.8576



①
 DAVID D. WOMACK, JR.

245

250

255

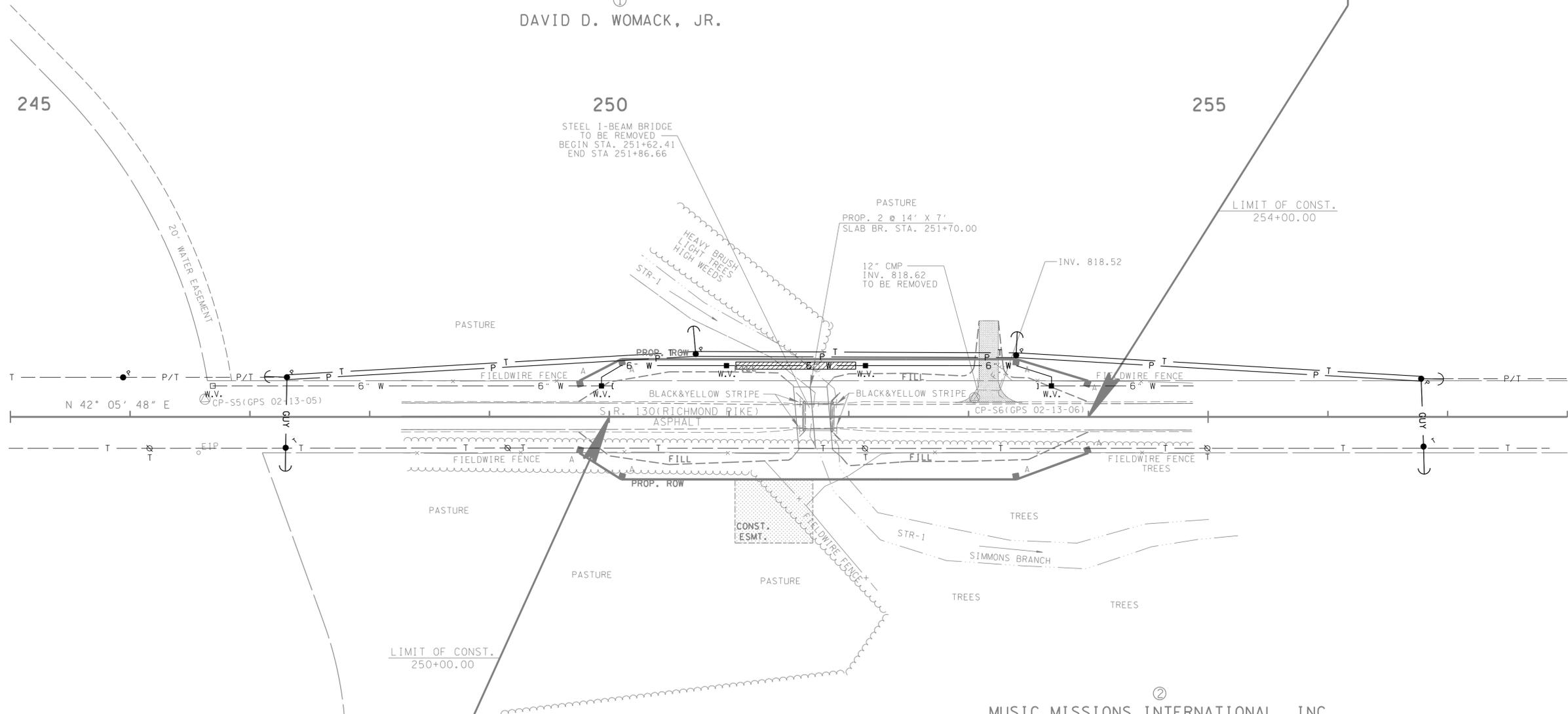
STEEL I-BEAM BRIDGE
 TO BE REMOVED
 BEGIN STA. 251+62.41
 END STA 251+86.66

PASTURE
 PROP. 2 @ 14' X 7'
 SLAB BR. STA. 251+70.00

12" CMP
 INV. 818.62
 TO BE REMOVED

INV. 818.52

LIMIT OF CONST.
 254+00.00



N 42° 05' 48" E

CP-S5(GPS 02-13-05)

CP-S6(GPS 02-13-06)

LIMIT OF CONST.
 250+00.00

LM 4.77 02014-2212-94
 BEGIN PROJ. NO. BR-STP-130(20) CONST.
 STA. 250+00.00 N 386894.1931
 E 1803405.7046

②
 MUSIC MISSIONS INTERNATIONAL, INC.

SEALED BY

COORDINATES ARE NAD/83(1995),
 ARE DATUM ADJUSTED BY THE
 FACTOR OF 1.000060 AND TIED TO
 THE TGRN. ALL ELEVATIONS ARE
 REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

**UTILITY
 LAYOUT**
 STA. 245+00 TO STA. 258+00
 SCALE: 1"= 50'

L.M. 4.77

\$\$\$\$SYTIME\$\$\$\$
 \$\$\$DONSPEC\$\$\$\$

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	BR-STP-130(20)	U1-6

REV. 03/03/15: ADDED NOTE TO CONTRACTOR FOR EXISTING ROCK WALL. ADDED FIELD ENT. AT STA. 518+10, FOR TRACT NO. 16. ADJUSTED PROPOSED BRIDGE.



PROPOSED BRIDGE: 112' OF 1 SPANS WITH PRESTRESSED BULB TEE BEAMS (63") WITH COMPOSITE CONCRETE DECK SLAB.

NOTE TO CONTRACTOR:
DO NOT DISTURB THE EXISTING ROCK WALL ALONG DAVIS BRANCH THAT IS PAST THE PROPOSED SLOPE LINE.

LM 9.83 02014-2212-94
END PROJ. NO. BR-STP-130(20) CONST.

STA. 521+75.00 N 408752.2704
E 1817916.3078

11
MICKY J. AND JILL L. REESE

13
RALPH W. AND SANDRA BARNES

16
RALPH W. AND SANDRA BARNES

12
HAROLD K. AND ALICE K. SMITH

14
DIANE D. WILLIS

15
DIANE D. WILLIS

17
BOBBY L. PARKER, JR. AND LINDA K. PARKER

LM 9.83 02014-2212-94
BEGIN PROJ. NO. BR-STP-130(20) CONST.

STA. 514+75.00 N 408555.6993
E 1817847.1075

L.M. 9.83

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY LAYOUT

STA. 513+00 TO STA. 526+00

SCALE: 1" = 50'

SYTIME SPEC

ELECTRIC UTILITY INDEX	
SHEET NAME	SHEET NUMBER
ESTIMATED QUANTITIES & SHEET INDEX	U2-1
ESTIMATED QUANTITIES & SHEET INDEX	U2-2
RELOCATION STA. 244+00 TO 257+30	U2-3
RELOCATION STA. 279+80 TO 293+60	U2-4
HWY 130 RELOCATION STA. 432+70 TO 446+10	U2-5
SNELL ROAD RELOCATION STA. 20+00 TO 26+00	-
DIXON ROAD RELOCATION STA. 17+16.46 TO 11+10	-
SNELL ROAD RELOCATION STA. 26+00 TO 32+00	U2-6
RELOCATION STA. 512+00 TO 525+70	U2-7
PROFILE STA. 244+00 TO 257+30	U2-8
PROFILE STA. 279+80 TO 293+60	U2-9
HWY 130 PROFILE STA. 432+70 TO 446.10	U2-10
SNELL ROAD PROFILE STA. 20+00 TO 32+00	U2-11
DIXON ROAD PROFILE STA. 17+16.46 TO 11+10	U2-12
PROFILE STA. 512+00 TO 525+70	U2-13

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	02014-3212-94	U2-1

*DUCK RIVER ELECTRIC
MEMBERSHIP CORPORATION*

*BEDFORD COUNTY, TENNESSEE
ELECTRIC UTILITY RELOCATION*

FEDERAL PROJECT NUMBER BR-STP-130(20)

STATE PROJECT NUMBER 02014-3212-94

PIN NUMBER 115673.00

*S.R. 130 BRIDGES OVER BRANCH AT LM'S 4.77, 5.45,
9.83 AND BRIDGE OVER SUGAR CREEK, LM 8.30*

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY RELOCATION
DUCK RIVER ELECTRIC
MEMBERSHIP CORPORATIVE
ELECTRIC UTILITY RELOCATION
STAKING SERVICES COMPANY
SHEET INDEX, DESCRIPTION
AND GENERAL INFORMATION
SCALE 1" = 50'

PLAN VIEW LEGEND

- - | - NEW 1Ø CONDUCTOR
- - | | - NEW 3Ø CONDUCTOR
- | — EXISTING 1Ø CONDUCTOR
- | | — EXISTING 3Ø CONDUCTOR
- - G - - NEW OVERHEAD GUY
- G — EXISTING OVERHEAD GUY
- ← - - - - NEW ANCHOR
- ← — — — EXISTING ANCHOR
- NEW POLE
- REMOVAL POLE
- ⊗ POLE CHANGE OUT
- N100' NEW CONDUCTOR
- (100') REMOVAL CONDUCTOR

ELECTRIC UTILITY CONTACT INFORMATION:

DUCK RIVER ELECTRIC MEMBERSHIP CORPORATION
1411 MADISON STREET
SHELBYVILLE, TN 37162
PHONE: (931) 684-4621

DESIGNED BY STAKING SERVICES COMPANY FOR UC EMC
BRADLEY C YOUNG
PHONE: (256) 998-1898

TDOT ELECTRICAL ITEM NUMBERS

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	02014-3212-94	U2-2

ESTIMATED UTILITY QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	QTY	% UTILITY	% PROJECT
790-02.04	POLE 35FT CLASS 5 WOOD	EACH	6	46%	54%
790-03.03	POLE 40FT CLASS 4 WOOD	EACH	4	46%	54%
790-04.04	POLE 45FT CLASS 4 WOOD	EACH	10	46%	54%
790-05.02	POLE 50FT CLASS 2 WOOD	EACH	10	46%	54%
790-06.02	POLE 55FT CLASS 2 WOOD	EACH	3	46%	54%
790-22.01	1Ø SGL PRIMARY SUPPORT 25KV	EACH	1	46%	54%
790-22.02	1Ø DBL PRIMARY SUPPORT 25KV	EACH	1	46%	54%
790-22.13	1Ø DEAD END 25 KV	EACH	1	46%	54%
790-22.14	1Ø DEAD END TAP 25 KV	EACH	1	46%	54%
790-22.15	1Ø DEAD END TAP W/ EXTENSION 25 KV	EACH	5	46%	54%
790-22.17	1Ø DDE FEED THROUGH 25 KV	EACH	1	46%	54%
790-26.01	3Ø CROSSARM 25KV	EACH	9	46%	54%
790-26.03	3Ø CROSSARM SGL LRG COND 25KV	EACH	1	46%	54%
790-26.10	3Ø VERTICAL TANGENT 25KV	EACH	1	46%	54%
790-26.12	3Ø CROSSARM DBL SM ANGLE 25KV	EACH	4	46%	54%
790-26.15	3Ø XARM DBL 10FT LRG COND SM ANGLE 25KV	EACH	2	46%	54%
790-26.21	3Ø VERTICAL DDE ANGLE 25KV	EACH	1	46%	54%
790-26.26	3Ø CROSSARM DEAD END 25KV	EACH	1	46%	54%
790-26.27	3Ø CROSSARM DBL DDE 25KV	EACH	2	46%	54%
790-26.29	3Ø DDE UNBALANCED LOAD 25KV	EACH	2	46%	54%
790-26.30	3Ø CROSSARM DBL-DDE-INV ARM 25KV	EACH	2	46%	54%
790-30.03	SECONDARY ASSEMBLIES DEADEND	EACH	2	46%	54%
790-32.01	DOWN GUY - THROUGH BOLT TYPE	EACH	36	46%	54%
790-32.07	OH GUY - THROUGH BOLT TYPE	EACH	8	46%	54%

ESTIMATED UTILITY QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	QTY	% UTILITY	% PROJECT
790-33.02	EXPANDING TYPE ANCHOR 10,000LB-12,000LB	EACH	6	46%	54%
790-33.04	SCREW TYPE ANCHOR 10,000LB-12,000LB	EACH	12	46%	54%
790-33.14	3/4IN TWIN EYE	EACH	8	46%	54%
790-33.15	1IN TRIPLE EYE	EACH	1	46%	54%
790-40.01	OH COND 4 7/1 ACSR SWANATE	L.F.	12266	46%	54%
790-40.03	OH COND 1/0 6/1 ACSR RAVEN	L.F.	2340	46%	54%
790-40.05	OH COND 3/0 6/1 ACSR PIGEON	L.F.	781	46%	54%
790-40.09	OH COND 336.4 18/1 ACSR MERLIN	L.F.	2343	46%	54%
790-40.73	OH PRI COND 2 6/1 ACSR SPARROW	L.F.	780	46%	54%
790-46.03	1Ø TRANSFORMER CONV W/XARM MTD FUSE & LA (15 KVA)	EACH	3	46%	54%
790-59.02	HOOK STICK SWITCH VERTICAL - SINGLE 25KV	EACH	6	46%	54%
790-61.01	1Ø FUSE CUTOFF XARM MOUNT 25KV	EACH	3	46%	54%
790-65.05	LIGHTNING ARRESTER ARM MTD 18KV	EACH	6	46%	54%
790-68.10	MISCELLANEOUS ASSEMBLIES	EACH	9	46%	54%
790-68.13	SGL PHASE MOUNTING BRACKET - FIBERGLASS	EACH	1	46%	54%
790-69.08	GROUND - GROUND ROD	EACH	20	46%	54%
790-69.12	GROUND ASSEMBLY GROUND PLATE TYPE	EACH	6	46%	54%
790-98.01	REMOVE WIRE	L.F.	18325	46%	54%
790-98.02	REMOVE POLES	EACH	19	46%	54%
790-98.03	REMOVE FRAMING/ASSOCIATED APPARATUS	EACH	84	46%	54%
790-98.20	TREE AND BRUSH REMOVAL OFF ROW	L.S.	1	46%	54%

DESCRIPTION FOOT NOTE:

790-33.15	1IN TRIPLE EYE	THIS ITEM IS A 1 1/4IN TRIPLE EYE / 300 SQ IN BUST ANC
790-59.02	HOOK STICK SWITCH VERTICAL - SINGLE 25KV	MOUNT SWITCHES HORIZONTAL ON CROSSAMS (INVERTED BRACES. THE CROSSARMS ARE CALLED FOR ON ITEM #790-26.30.
790-68.10	MISCELLANEOUS ASSEMBLIES	MISCELLANEOUS ASSEMBLIES CONSIST OF (4) VM5-2, (3) VM5-4A & (2) VM5-5

SEALED BY



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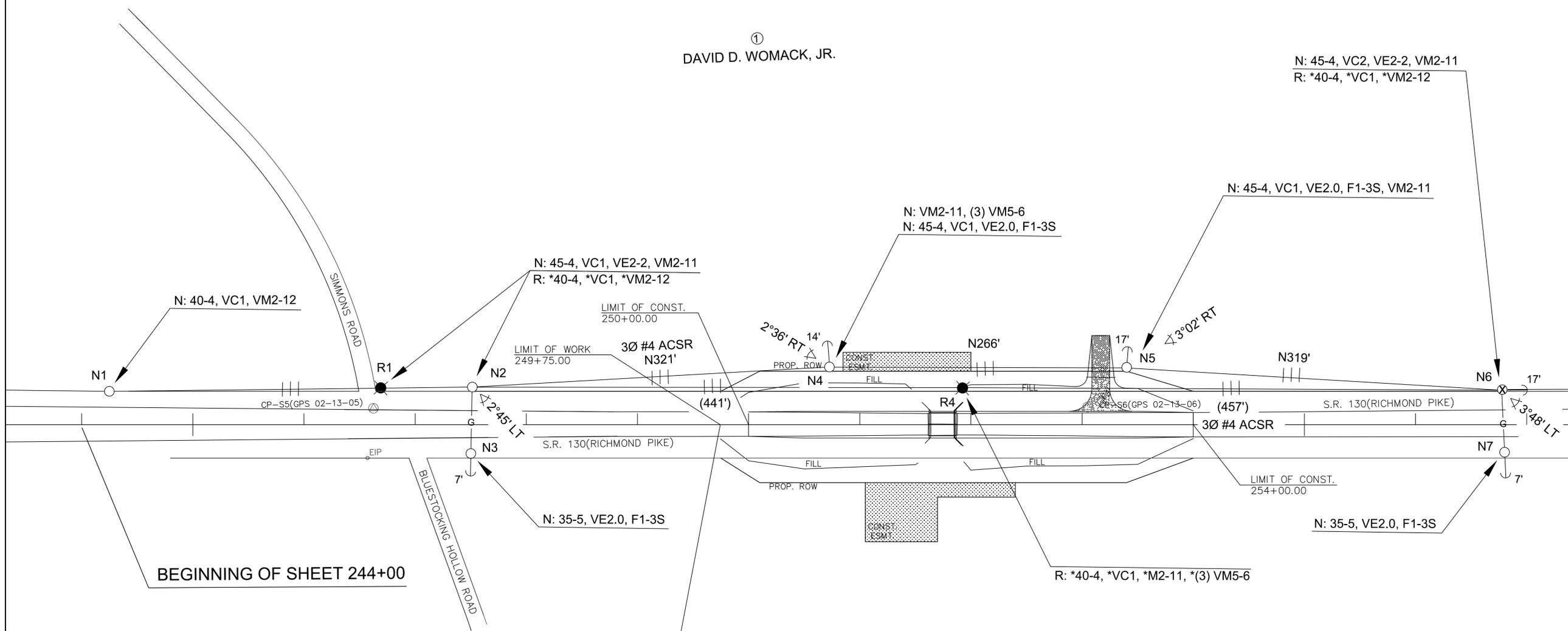
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY RELOCATION
DUCK RIVER ELECTRIC
MEMBERSHIP CORPORATIVE
ELECTRIC UTILITY RELOCATION
STAKING SERVICES COMPANY
SHEET INDEX, DESCRIPTION
AND GENERAL INFORMATION
SCALE 1" = 50'

ROW NOTES:

- POLE N2 TO N5: CUT TREES, SIDE TRIM TREES AND CUT SHRUBBERY AS NEEDED FOR POWER LINE CLEARANCE. RIGHT-OF-WAY CLEARING IS 20 FT FROM CENTERLINE OF LINE ROUTE. REMOVE ALL DEBRIS.
- POLE N3 AND N7: CUT TREES AND SHRUBBERY FOR INSTALLATION OF POLES AND ANCHORS. REMOVE ALL DEBRIS.
- REFER TO DREMCO ROW ACQUISITION FOR RIGHT OF ENTRY

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	02014-3212-94	U2-3



①
DAVID D. WOMACK, JR.

②
MUSIC MISSIONS INTERNATIONAL, INC.

STA. 257+30 (SEE NEXT BRIDGE ON SHEET U2-4 @ STA. 279+80)

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY RELOCATION
DUCK RIVER ELECTRIC
MEMBERSHIP CORPORATIVE
ELECTRIC UTILITY RELOCATION
TDOT S.R. 130 (RICHMOND PIKE)
STRUCTURE N1 TO N6
STATION 244+00 TO 257+30
SCALE 1" = 100'

BEGIN PROJ. NO. BR-STP-130(20) R.O.W.
STA. 249+75.00
N 386875.2342
E 1803388.5759

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
S5	386653.6021	1803168.5568	828.19	246+62.50	14.68' (LT)
S6	387131.0619	1803598.4063	821.06	253+04.94	15.81' (LT)

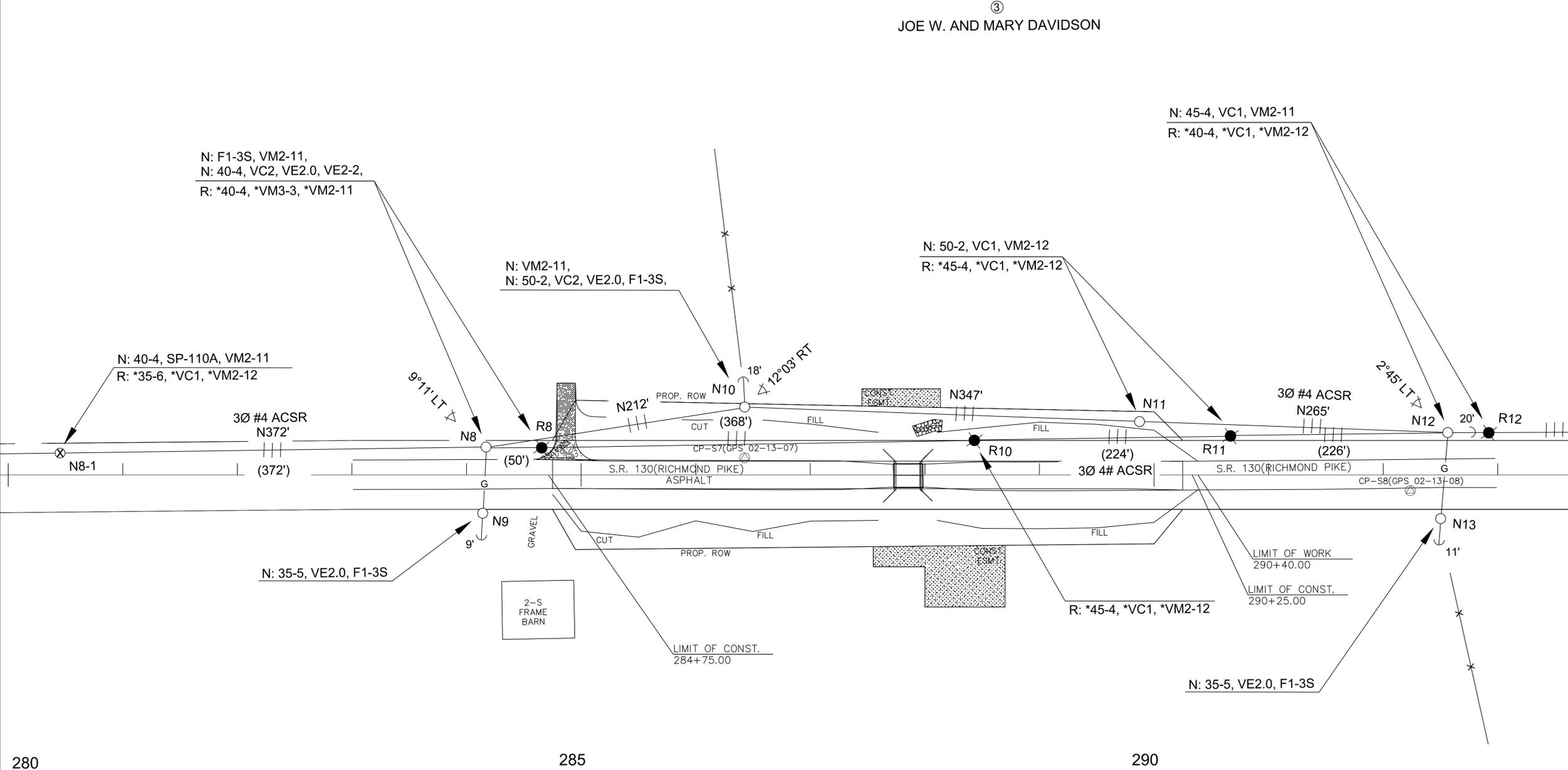
L.M. 4.77

ROW NOTES:
 - POLE N8 TO N10: CUT TREES, SIDE TRIM TREES AND CUT SHRUBBERY AS NEEDED FOR POWER LINE CLEARANCE. RIGHT-OF-WAY CLEARING IS 20 FT FROM CENTERLINE OF LINE ROUTE. REMOVE ALL DEBRIS.
 - POLE N9: CUT TREES AND SHRUBBERY FOR INSTALLATION OF POLE AND ANCHOR. REMOVE ALL DEBRIS.
 - REFER TO DREMC ROW ACQUISITION FOR RIGHT OF ENTRY

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	02014-3212-94	U2-4

STA. 279+80 (SEE NEXT BRIDGE ON SHEET U2-3 @ STA. 257+30)

STA. 293+60 (SEE NEXT BRIDGE ON SHEET U2-5 @ STA. 432+70)



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY RELOCATION
DUCK RIVER ELECTRIC
MEMBERSHIP CORPORATIVE
ELECTRIC UTILITY RELOCATION
TDOT S.R. 130 (RICHMOND PIKE)
STRUCTURE N8-1 TO N12
STATION 279+80 TO 293+60
SCALE 1" = 100'

④
JOE W. AND MARY DAVIDSON

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
S7	389767.5977	1805635.2587	816.80	286+42.80	14.82' (LT)
S8	390224.1958	1805995.4768	817.10	292+23.68	13.71' (RT)

L.M. 5.45

8/2/2015 6:26:47 PM C:\SSC\new\SSC-Base_B\DATE_Signed\2004_8-3-15.dwg

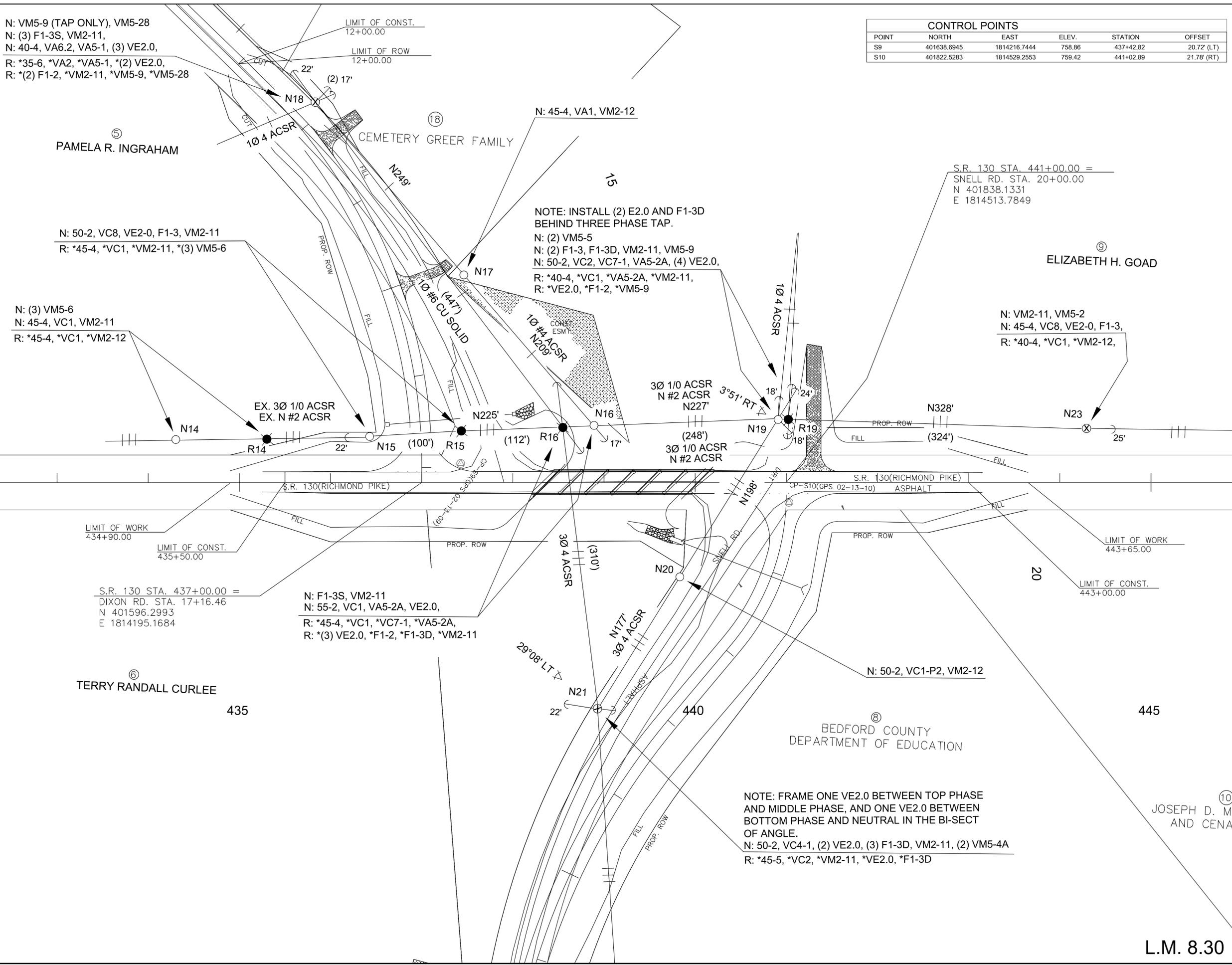
N: VM5-9 (TAP ONLY), VM5-28
 N: (3) F1-3S, VM2-11,
 N: 40-4, VA6.2, VA5-1, (3) VE2.0,
 R: *35-6, *VA2, *VA5-1, *(2) VE2.0,
 R: *(2) F1-2, *VM2-11, *VM5-9, *VM5-28

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
S9	401638.6945	1814216.7444	758.86	437+42.82	20.72' (LT)
S10	401822.5283	1814529.2553	759.42	441+02.89	21.78' (RT)

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	02014-3212-94	U2-5

STA. 432+70 (SEE NEXT BRIDGE ON SHEET U2-4 @ STA. 293+60)

STA. 446+10 (SEE NEXT BRIDGE ON SHEET U2-7 @ STA. 512+00)



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STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

UTILITY RELOCATION
 DUCK RIVER ELECTRIC
 MEMBERSHIP CORPORATIVE
 ELECTRIC UTILITY RELOCATION
 TDOT S.R. 130 (RICHMOND PIKE)
 STRUCTURE N14 TO N23
 HWY 130 STATION 432+70 TO 446+10
 SNELL ROAD STATION 20+00 TO 26+00
 DIXON ROAD STATION 17+16.46 TO 11+10
 SCALE 1" = 100'

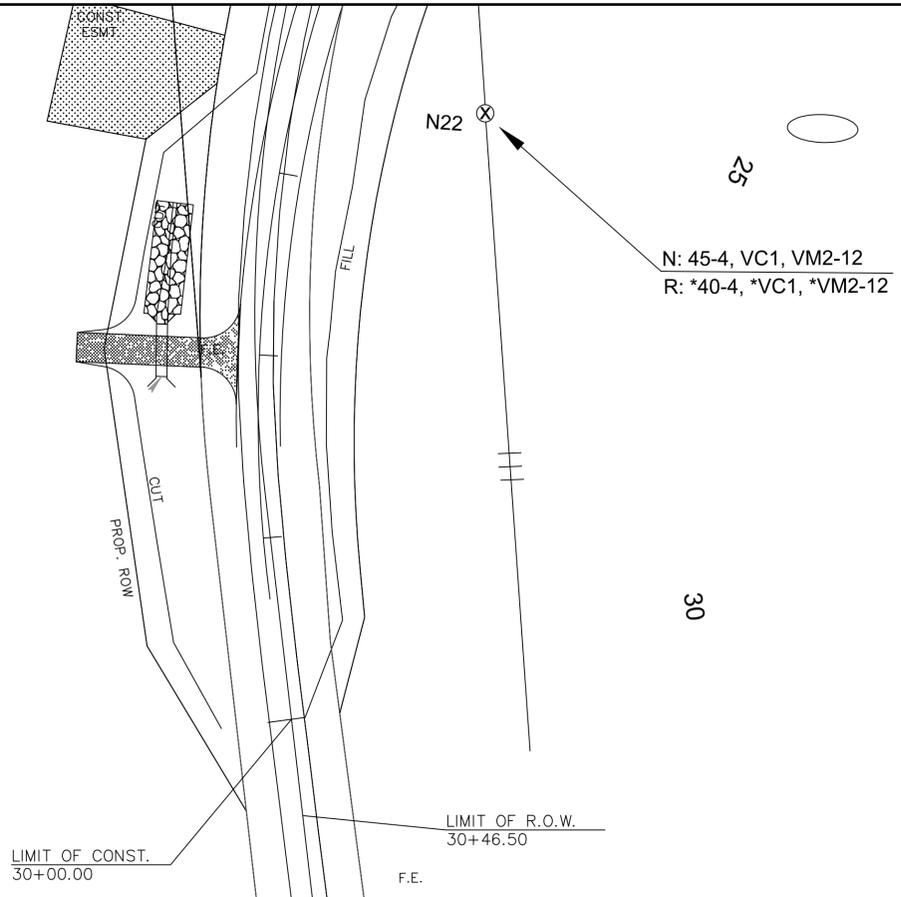
L.M. 8.30

MATCHLINE STA. 26+00 SEE SHEET NO. U2-6

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	02014-3212-94	U2-6

⑥ TERRY RANDALL CURLEE



③ BEDFORD COUNTY DEPARTMENT OF EDUCATION

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

UTILITY RELOCATION
 DUCK RIVER ELECTRIC
 MEMBERSHIP CORPORATIVE
 ELECTRIC UTILITY RELOCATION
 SNELL ROAD
 RELOCATION STATION 26+00 TO 32+00
 SCALE 1" = 100'

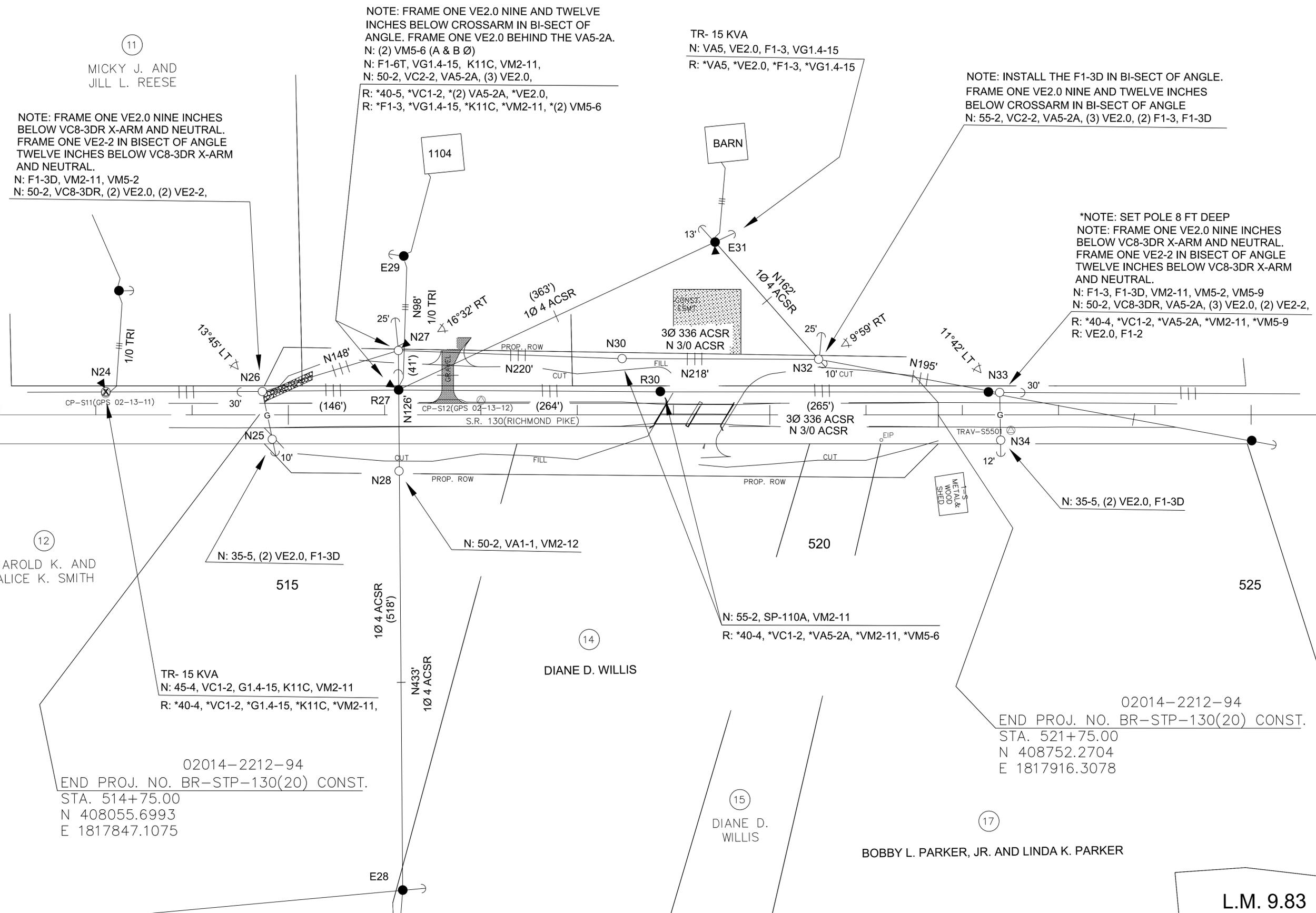
L.M. 8.30

ROW NOTES:
 - POLE N7 TO N32 & N32 TO E30: CUT TREES, SIDE TRIM TREES AND CUT SHRUBBERY AS NEEDED FOR POWER LINE CLEARANCE. RIGHT-OF-WAY CLEARING IS 20 FT FROM CENTERLINE OF LINE ROUTE. REMOVE ALL DEBRIS.
 - POLE N34: CUT TREES AND SHRUBBERY FOR INSTALLATION OF POLE AND ANCHOR. REMOVE ALL DEBRIS.
 - REFER TO DREMC ROW ACQUISITION FOR RIGHT OF ENTRY

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
S11	407893.9090	1817808.9127	751.79	513+10.23	22.01' (LT)
S12	408281.3563	1817854.3515	737.58	517+00.27	15.10' (LT)

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	02014-3212-94	U2-7

STA. 512+00 (SEE NEXT BRIDGE ON SHEET U2-5 @ STA. 446+10)



STATION 525+70

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY RELOCATION
DUCK RIVER ELECTRIC
MEMBERSHIP CORPORATIVE
ELECTRIC UTILITY RELOCATION
TDOT S.R. 130 (RICHMOND PIKE)
STRUCTURE N24 TO N33
STATION 512+00 TO 525+70
SCALE 1" = 100'

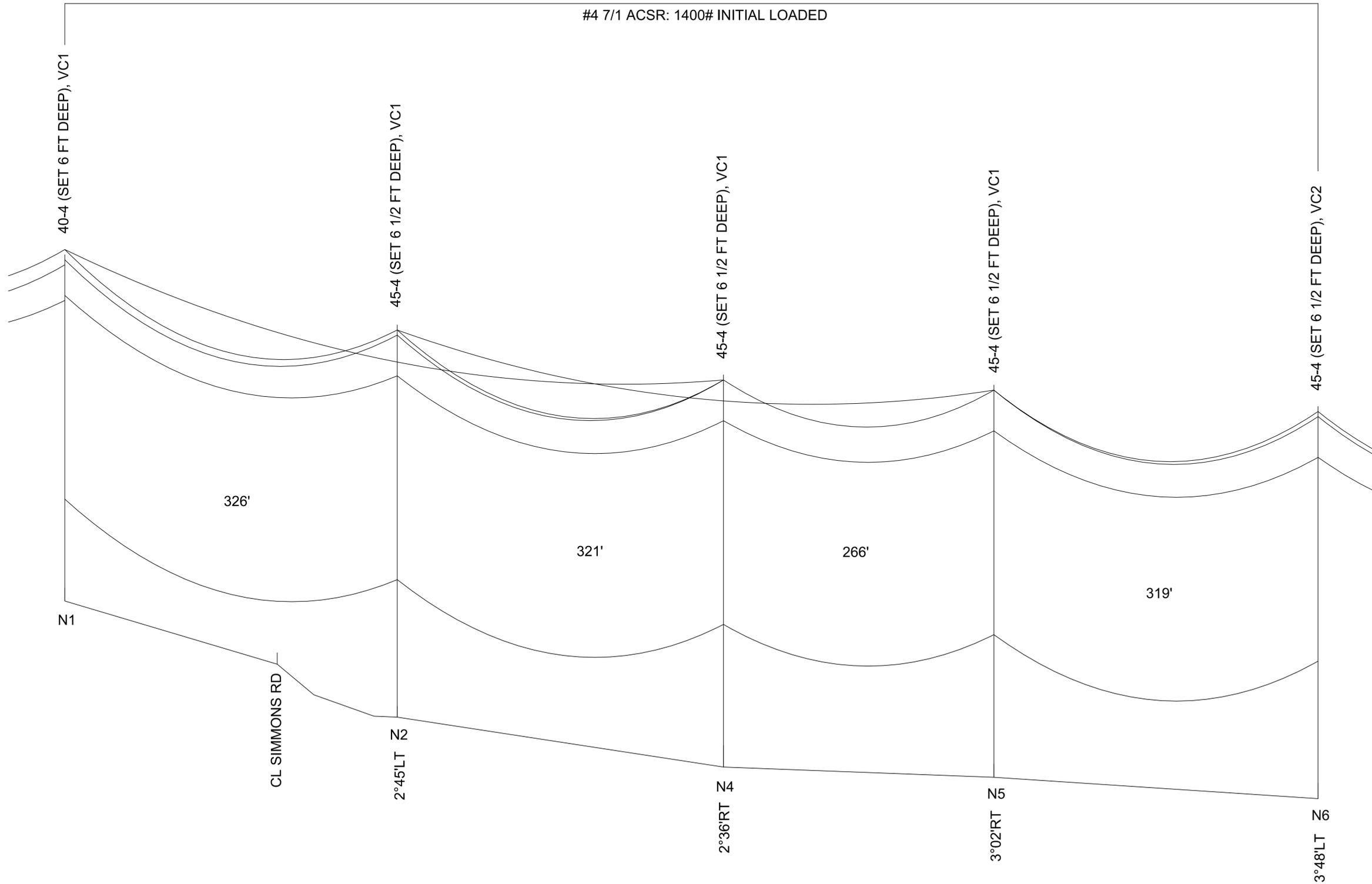
L.M. 9.83

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PROFILE STRUCTURE N1 TO N6

STRUCTURE N1 TO N6
 RULING SPAN: 305 FT.
 MEDIUM LOADING ZONE

#4 7/1 ACSR: 1400# INITIAL LOADED



4 7/1 ACSR DISTRIBUTION CONDUCTOR AT 0 DEG. F., INITIAL SAG
 4 7/1 ACSR DISTRIBUTION PHASE CONDUCTOR AT 167 DEG. F., FINAL SAG
 4 7/1 ACSR NEUTRAL CONDUCTOR AT 120 DEG. F., INITIAL SAG
 4 7/1 ACSR 20 FT. NEUTRAL GROUND CLEARANCE CURVE

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	02014-3212-94	U2-8

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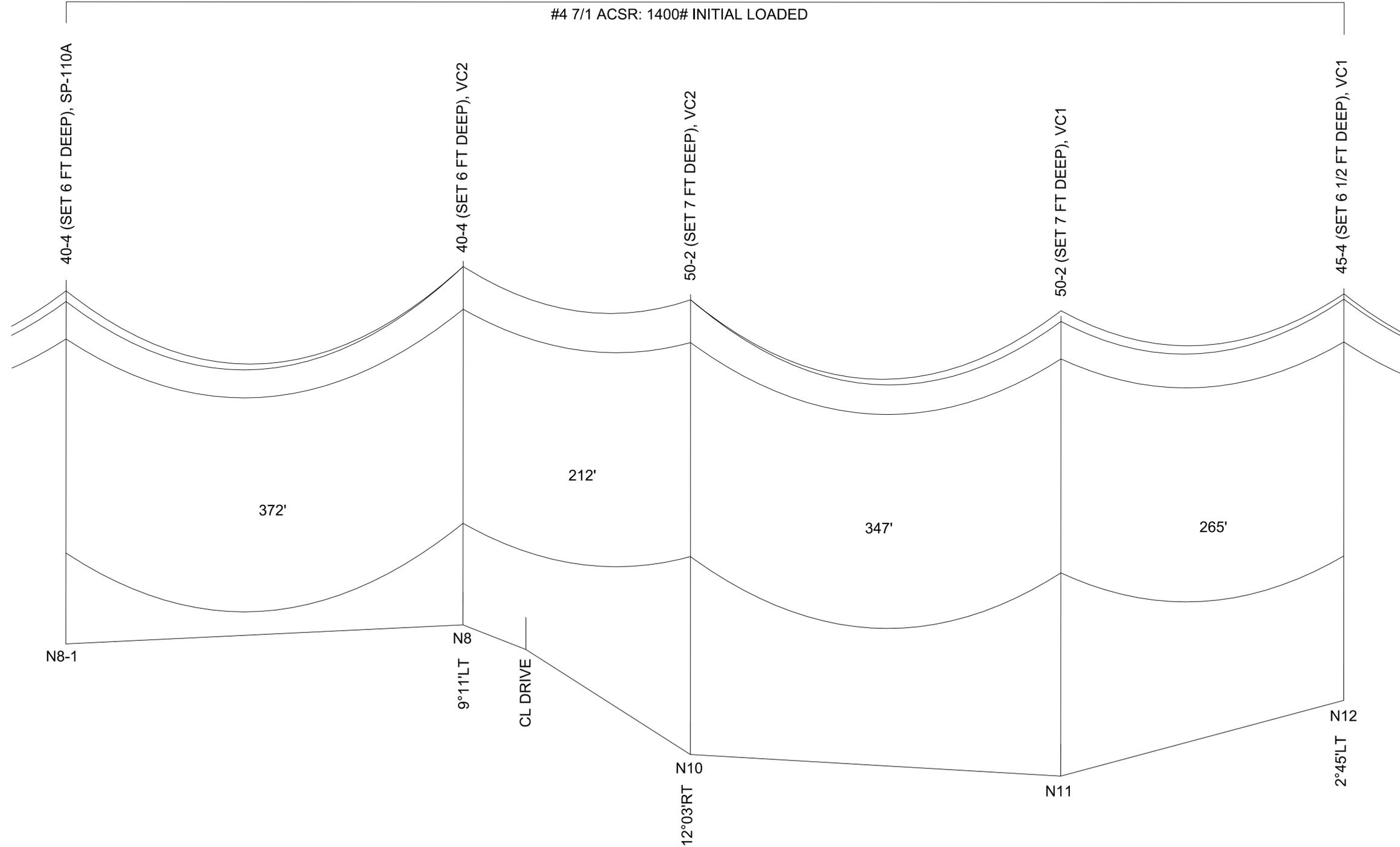
COORDINATES ARE NAD/83(1995),
 ARE DATA ADJUSTED BY THE FACTOR
 OF 1.000060 AND TIED TO THE TGRN
 ALL ELEVATIONS ARE REFERENCED
 TO THE NAVD 1988.

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

UTILITY RELOCATION
 DUCK RIVER ELECTRIC
 MEMBERSHIP CORPORATIVE
 ELECTRIC UTILITY RELOCATION
 TDOT S.R. 130 (RICHMOND PIKE)
 PROFILE STR. N1 TO N6
 STATION 244+00 TO 257+30

PROFILE STRUCTURE N8-1 TO N12

STRUCTURE N8-1 TO N12
 RULING SPAN: 291 FT.
 MEDIUM LOADING ZONE



- 4 7/1 ACSR DISTRIBUTION CONDUCTOR AT 0 DEG. F., INITIAL SAG
- 4 7/1 ACSR DISTRIBUTION PHASE CONDUCTOR AT 167 DEG. F., FINAL SAG
- 4 7/1 ACSR NEUTRAL CONDUCTOR AT 120 DEG. F., INITIAL SAG
- 4 7/1 ACSR 20 FT. NEUTRAL GROUND CLEARANCE CURVE

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	02014-3212-94	U2-9

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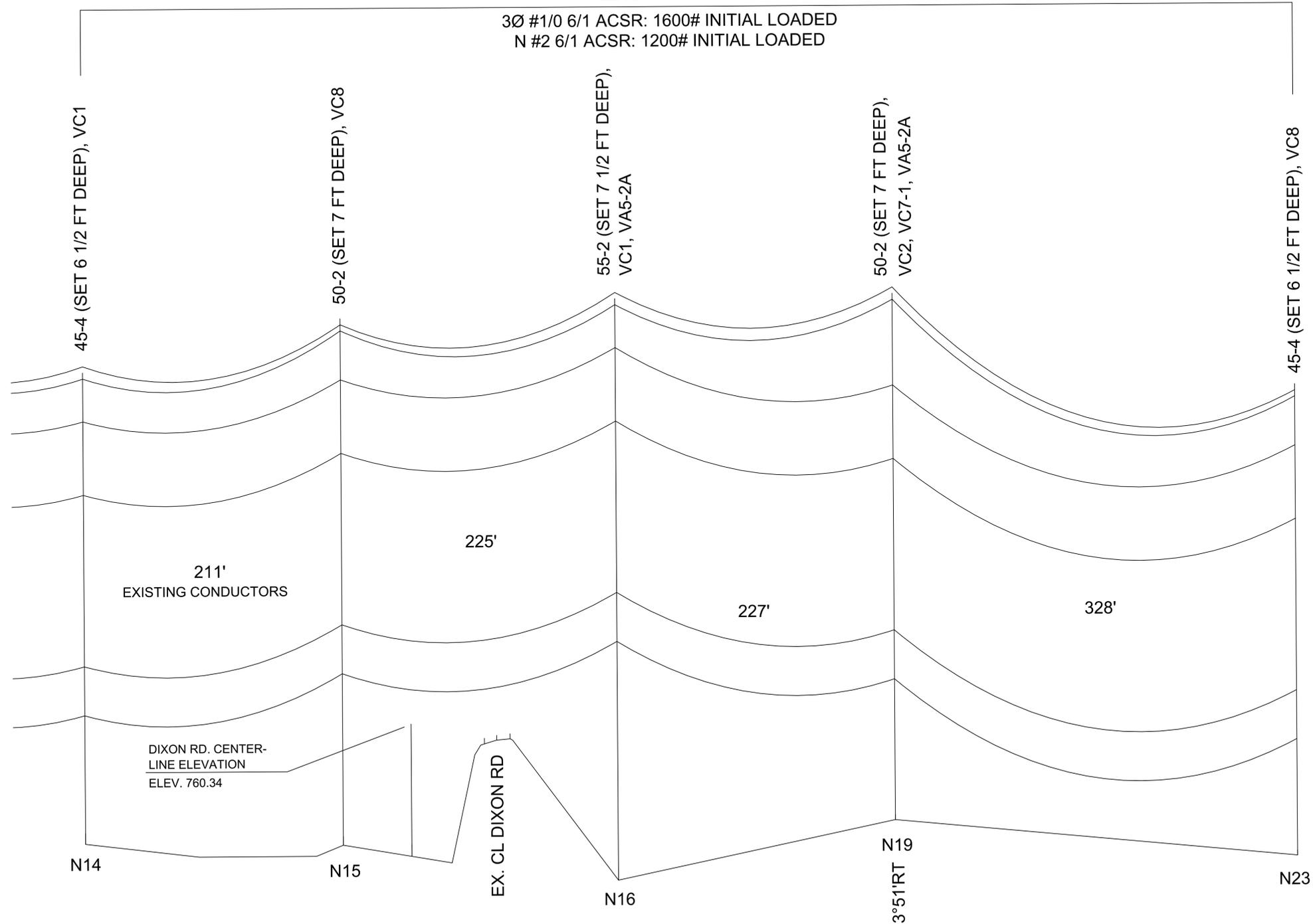
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

UTILITY RELOCATION
 DUCK RIVER ELECTRIC
 MEMBERSHIP CORPORATIVE
 ELECTRIC UTILITY RELOCATION
 TDOT S.R. 130 (RICHMOND PIKE)
 PROFILE STR. N8-1 TO N12
 STATION 279+80 to 293+60

PROFILE STRUCTURE N14 TO N23

STRUCTURE N14 TO N23
 RULING SPAN: 274 FT.
 MEDIUM LOADING ZONE

3Ø #1/0 6/1 ACSR: 1600# INITIAL LOADED
 N #2 6/1 ACSR: 1200# INITIAL LOADED



EXISTING CONDUCTOR
 1/0 - 6/1 ACSR DISTRIBUTION PHASE CONDUCTOR AT 167 DEG. F., FINAL SAG
 2 - 6/1 ACSR NEUTRAL CONDUCTOR AT 120 DEG. F., INITIAL SAG
 COMMUNICATION CURVE BASED ON NEUTRAL CONDUCTOR AT 120 DEG. F., FINAL SAG
 2 - 6/1 ACSR 20 FT. NEUTRAL GROUND CLEARANCE CURVE
 COMMUNICATION 18 FT. GROUND CLEARANCE CURVE

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	02014-3212-94	U2-10

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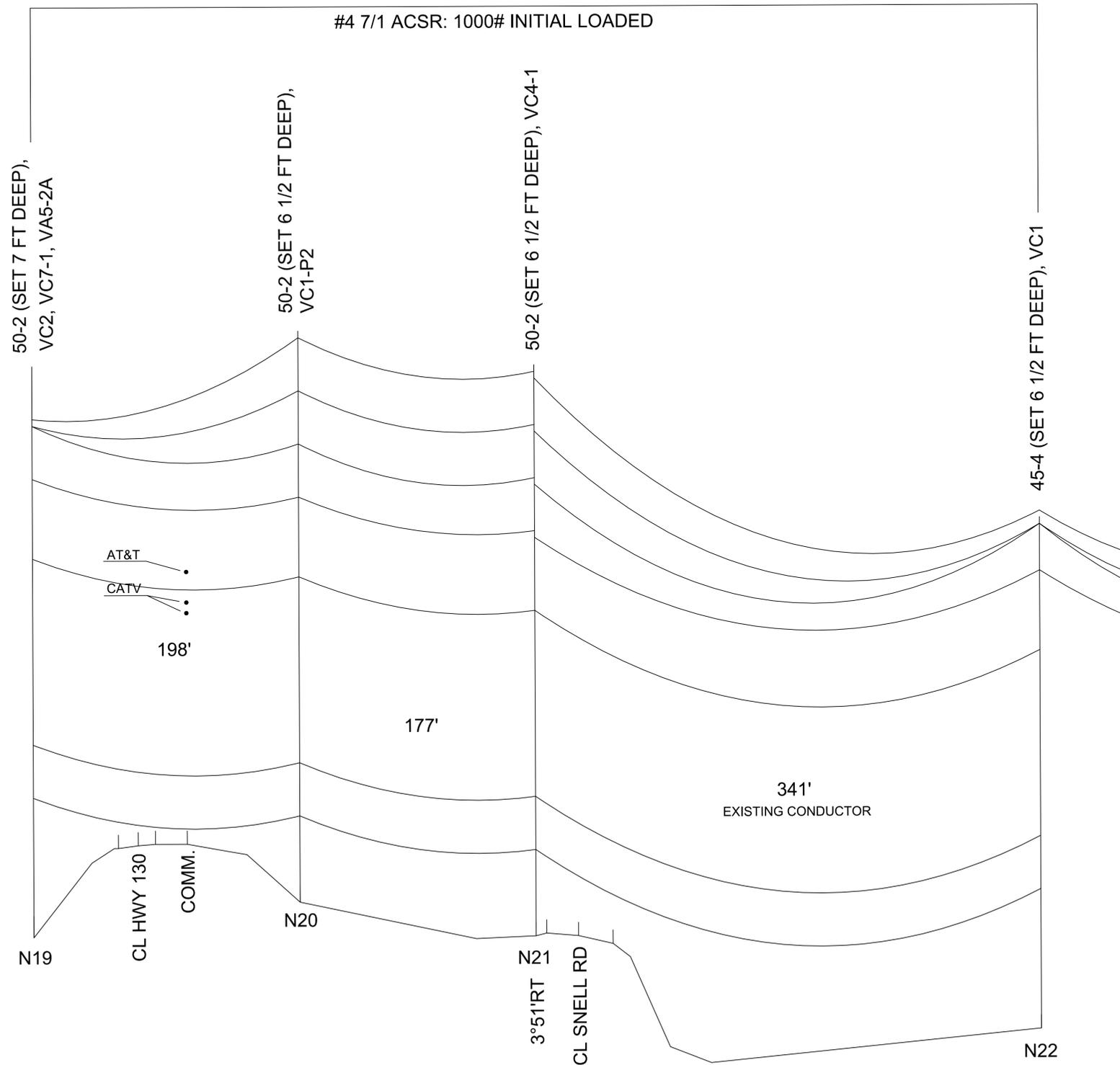
COORDINATES ARE NAD/83(1995), ARE DATA ADJUSTED BY THE FACTOR OF 1.000060 AND TIED TO THE TGRN ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

UTILITY RELOCATION
 DUCK RIVER ELECTRIC
 MEMBERSHIP CORPORATIVE
 ELECTRIC UTILITY RELOCATION
 TDOT S.R. 130 (RICHMOND PIKE)
 PROFILE STR. N14 TO N23
 STATION APPROX. 432+70 TO 446+10

PROFILE STRUCTURE N19 TO N22

STRUCTURE N19 TO N22
RULING SPAN: 188 FT.
MEDIUM LOADING ZONE



EXISTING CONDUCTOR
4 7/1 ACSR DISTRIBUTION PHASE CONDUCTOR AT 167 DEG. F., FINAL SAG
4 7/1 ACSR NEUTRAL CONDUCTOR AT 120 DEG. F., INITIAL SAG
COMMUNICATION CURVE BASED ON NEUTRAL CONDUCTOR AT 120 DEG. F., FINAL SAG
4 7/1 ACSR 20 FT. NEUTRAL GROUND CLEARANCE CURVE
COMMUNICATION 18 FT. GROUND CLEARANCE CURVE

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	02014-3212-94	U2-11

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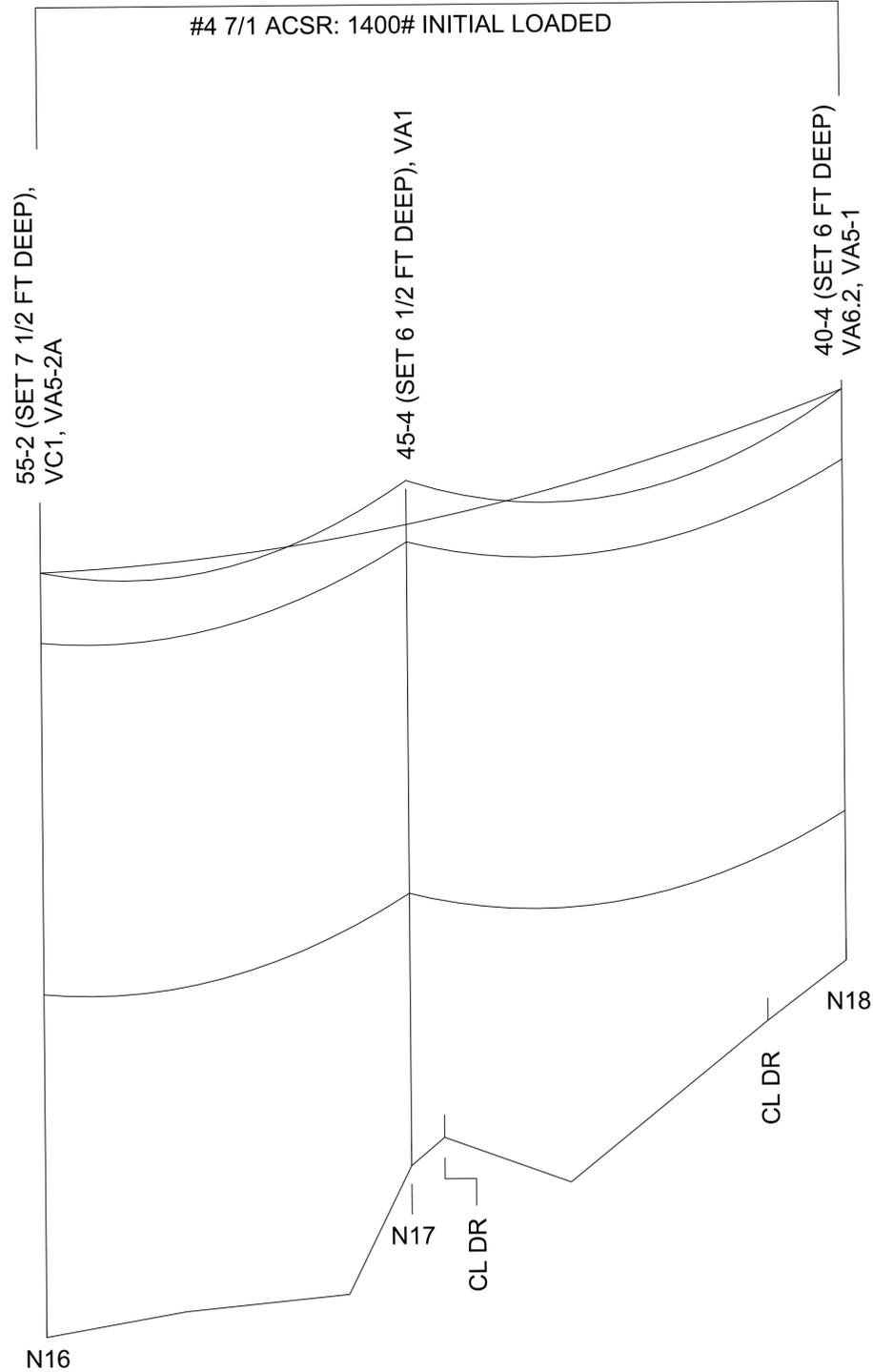
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY RELOCATION
DUCK RIVER ELECTRIC
MEMBERSHIP CORPORATIVE
ELECTRIC UTILITY RELOCATION
SNELL ROAD
PROFILE STR. N19 TO N22
RELOCATION STATION 20+00 TO 32+00

PROFILE STRUCTURE N16 TO N18

STRUCTURE N16 TO N18
 RULING SPAN: 238 FT.
 MEDIUM LOADING ZONE



4 7/1 ACSR DISTRIBUTION CONDUCTOR AT 0 DEG. F., INITIAL SAG
 4 7/1 ACSR DISTRIBUTION PHASE CONDUCTOR AT 167 DEG. F., FINAL SAG
 4 7/1 ACSR NEUTRAL CONDUCTOR AT 120 DEG. F., INITIAL SAG
 4 7/1 ACSR 20 FT. NEUTRAL GROUND CLEARANCE CURVE

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	02014-3212-94	U2-12

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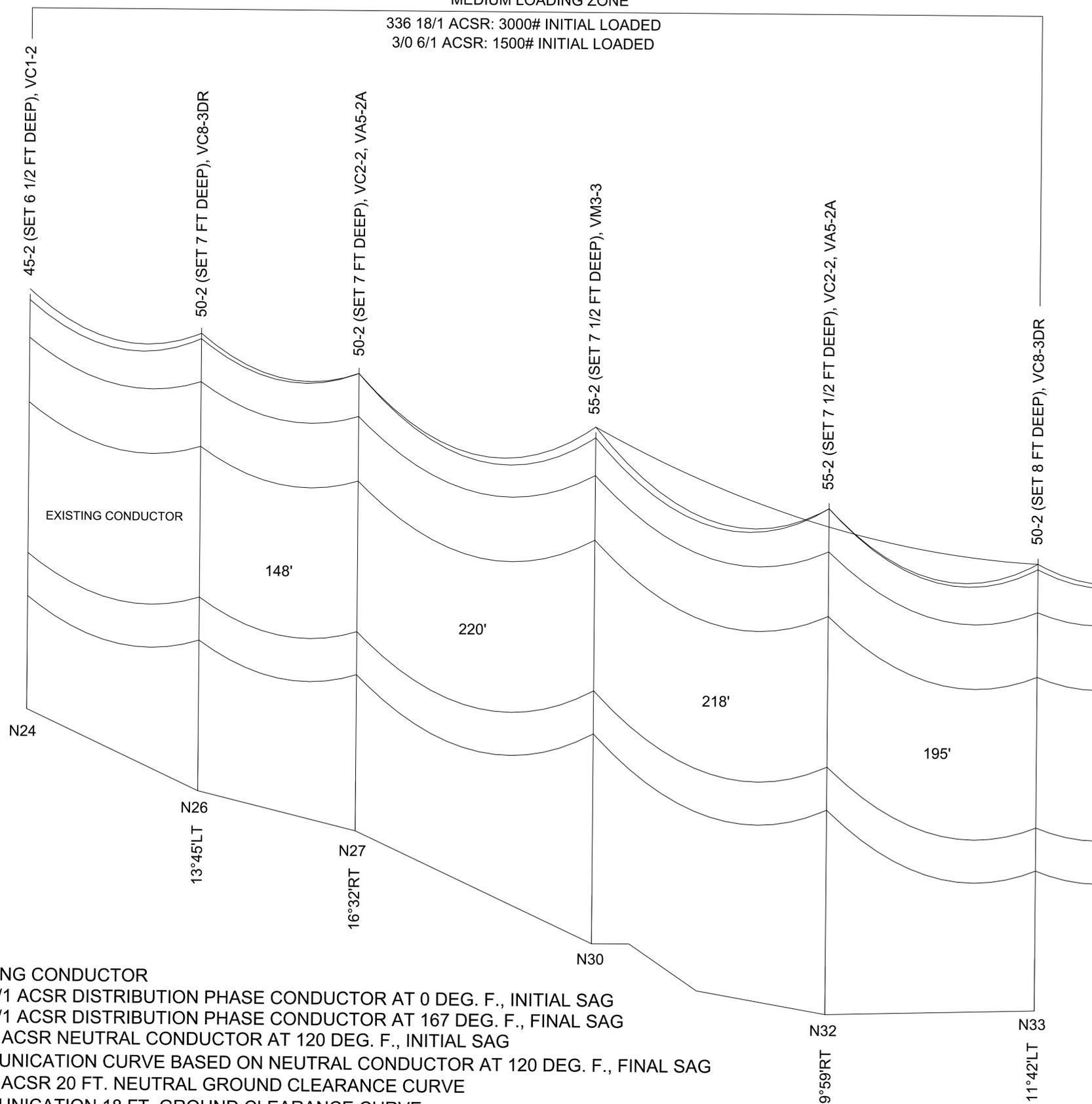
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

UTILITY RELOCATION
 DUCK RIVER ELECTRIC
 MEMBERSHIP CORPORATIVE
 ELECTRIC UTILITY RELOCATION
 DIXON ROAD
 PROFILE STR. N16 TO N18
 RELOCATION STATION 17+16.46 TO 11+10

PROFILE STRUCTURE N24 TO N33

STRUCTURE N24 TO N33
RULING SPAN: 201 FT.
MEDIUM LOADING ZONE

336 18/1 ACSR: 3000# INITIAL LOADED
3/0 6/1 ACSR: 1500# INITIAL LOADED



EXISTING CONDUCTOR
336 18/1 ACSR DISTRIBUTION PHASE CONDUCTOR AT 0 DEG. F., INITIAL SAG
336 18/1 ACSR DISTRIBUTION PHASE CONDUCTOR AT 167 DEG. F., FINAL SAG
3/0 6/1 ACSR NEUTRAL CONDUCTOR AT 120 DEG. F., INITIAL SAG
COMMUNICATION CURVE BASED ON NEUTRAL CONDUCTOR AT 120 DEG. F., FINAL SAG
3/0 6/1 ACSR 20 FT. NEUTRAL GROUND CLEARANCE CURVE
COMMUNICATION 18 FT. GROUND CLEARANCE CURVE

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	02014-3212-94	U2-13

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY RELOCATION
DUCK RIVER ELECTRIC
MEMBERSHIP CORPORATIVE
ELECTRIC UTILITY RELOCATION
TDOT S.R. 130 (RICHMOND PIKE)
PROFILE STR. N24 TO N33
STATION 512+00 TO 525+70

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	02014-3212-94	U3-1

TABULATION OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT	PERCENT STATE	PERCENT UTILITY
795-03.05	6" PVC WATER LINE	3,400	L.F.	100%	0%
795-01.06	8" DIP SLIP JOINT WATER LINE	800	L.F.	100%	0%
795-08.03	4" GATE VALVE ASSEMBLY	4	EACH	100%	0%
795-08.04	6" GATE VALVE ASSEMBLY	16	EACH	100%	0%
795-08.05	8" GATE VALVE ASSEMBLY	5	EACH	100%	0%
795-07.03	6"x6" TAPPING SLEEVE AND VALVE	10	EACH	100%	0%
795-05.77	BORE/JACK 12IN STEEL CASING PIPE-ROCK	250	L.F.	100%	0%
795-05.79	BORE/JACK 16IN STEEL CASING PIPE-ROCK	100	L.F.	100%	0%
795-05.18	SDR 9 HDD 8" HDPE CASING PIPE-ROCK	500	L.F.	100%	0%
795-05.19	SDR 7 HDD 10" HDPE CASING PIPE-ROCK	150	L.F.	100%	0%
795-09.01	3/4" WATER SERVICE METER ASSEMBLY	6	EACH	100%	0%
795-09.14	3/4" HDPE SERVICE PIPE	300	L.F.	100%	0%
795-09.27	2" PVC CASING FOR SERVICE PIPE-ROCK	200	L.F.	100%	0%
795-11.01	BLOW-OFF ASSEMBLY	3	EACH	100%	0%
795-11.02	FIRE HYDRANT ASSEMBLY	2	EACH	100%	0%
795-13.01	DI FITTINGS	4,000	LBS	100%	0%
795-14.05	CONCRETE ENCASMENT	100	L.F.	100%	0%
795-14.08	RESTORE ASPHALT	50	S.Y.	100%	0%
795-09-15	1" HDPE SERVICE PIPE	250	L.F.	100%	0%

GENERAL NOTES:

- THE CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL EXISTING UTILITIES WITHIN THE VICINITY OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES BY THE CONTRACTOR OR HIS SUBS AS A RESULT OF CONSTRUCTION ACTIVITIES, SHALL BE REPAIRED OR REPLACED IN-KIND BY THE CONTRACTOR AT HIS OWN EXPENSE.
- ANY EXCAVATION OF A STREAM CHANNEL AREA SHALL BE SEPARATED FROM FLOWING WATER, AND ACCOMPLISHED DURING LOW FLOW CONDITIONS. THIS SHALL BE ACCOMPLISHED BY THE USE OF FLUMES, LINED DIVERSION CHANNEL WITH SAND BAG BERM, DIVERSION PIPE WITH SAND BAG DAM AT PIPE INLET, OR IN SOME CASES COFFERDAMS. PLEASE REFER TO THE TDOT STANDARD DRAWING FOR "TEMPORARY DIVERSION CHANNELS" (EC-STR-31).
- THE LOCATION OF THE PROPOSED WATER LINES SHOWN ON THESE PLANS WAS DETERMINED BY CONSTRUCTION PLANS AND INFORMATION PROVIDED BY OTHERS. THE CONTRACTOR IS MADE AWARE THAT SOME FIELD ADJUSTMENT MAY BE NECESSARY. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY THE OWNER IN WRITING PRIOR TO THE WORK BEING PERFORMED. COST FOR SUCH ADJUSTMENT SHALL BE APPROVED BY T.D.O.T.
- THE CONTRACTOR SHALL BE REQUIRED TO REVIEW THESE PLANS AND VERIFY ALL MEASUREMENTS. ANY ERRORS OR OBVIOUS OMISSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE IMMEDIATELY. ANY EXPENSE INCURRED AS A RESULT OF FAILING TO NOTIFY THE OWNER'S REPRESENTATIVE SHALL BE BORNE SOLELY BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE REQUIRED TO INSTALL EROSION CONTROL DEVICES SUCH AS SILTATION FENCING, SEDIMENT TUBES AND CHECK DAMS AS NECESSARY SO AS TO PREVENT THE CLOGGING OF CULVERTS DOWN STREAM AND THE DISPLACEMENT OF CONSTRUCTION DEBRIS ONTO PUBLIC ROADS AND ADJACENT PROPERTIES.
- CONTRACTOR SHALL INSTALL THE SERVICE LINE AND/OR SERVICE LINE CASING AT A DEPTH THAT WILL PROVIDE A MINIMUM OF 36" COVER WHEN THE PROPOSED ROADWAY IMPROVEMENTS ARE COMPLETE. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR THE NEW SERVICE LINE DURING HIGHWAY CONSTRUCTION.
- THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE HIS EFFORTS WITH HIGHWAY CONTRACTOR.
- THE CONTRACTOR SHALL TAKE NOTE OF THE DRIVEWAY AND ROAD CROSS-SECTIONS.
- PLEASE NOTE EVEN THOUGH AN ITEM IS INCLUDED IN THE TECHNICAL SPECIFICATIONS OR SHOWN ON THE PLANS, IF IT IS NOT BOTH COVERED HERE IN AND SPECIFICALLY ITEMIZED IN THE ITEM NUMBERS AND ITEM DESCRIPTION, PAYMENT FOR IT SHALL NOT BE SEPARATELY MADE. SUCH WORK SHALL BE CONSIDERED A NECESSARY PART OF OR INCIDENTAL TO ITS RELATED WORK TO PROVIDE A COMPLETE AND OPERABLE PROJECT AS APPROVED BY THE OWNER.
- IN THE EVENT OF ANY CONFLICTS, ALL WORK SHALL BE PERFORMED IN ACCORDANCE TO THE STANDARD SPECIFICATIONS OF THE BEDFORD COUNTY UTILITY DISTRICT.
- ALL WATER LINES AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST APPROVED SPECIFICATIONS OF THE BEDFORD COUNTY UTILITY DISTRICT.
- CONSTRUCTION SHALL NOT BEGIN UNTIL THESE PLANS HAVE BEEN APPROVED BY THE BEDFORD COUNTY UTILITY DISTRICT AND THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION.
- THE CONTRACTOR SHALL CONTACT THE BEDFORD COUNTY UTILITY DISTRICT PRIOR TO BEGINNING CONSTRUCTION SO THAT THE DISTRICT CAN INSPECT THE TIE-IN TO THE EXISTING LINE AND THE INSTALLATION OF THE PROPOSED LINE.
- THE PROPOSED WATER LINE SHALL BE CLASS 200 PVC UNLESS OTHERWISE NOTED. DETECTION WIRE SHALL BE INSTALLED WITH THE PVC WATER LINE IN ACCORDANCE WITH THE DISTRICT'S STANDARD SPECIFICATIONS.
- ALL FITTINGS, VALVES, HYDRANTS SERVICE ASSEMBLIES, ETC., SHALL CONFORM TO DISTRICT STANDARDS AND SHALL BE APPROVED BY THE DISTRICT PRIOR TO INSTALLATION. MECHANICAL JOINT RESTRAINTS, SUCH AS MEGALUG OR AN ENGINEER APPROVED EQUAL, SHALL BE REQUIRED AT ALL FITTINGS, VALVES, AND HYDRANTS. ADDITIONAL PAYMENT FOR MECHANICAL JOINT RESTRAINTS SHALL NOT BE ALLOWED, BUT SHALL BE CONSIDERED INCIDENTAL TO THE WORK.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES OR OTHER PROPERTIES (INCLUDING BUT NOT LIMITED TO PAVEMENTS) RESULTING FROM THIS CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE BEDFORD COUNTY UTILITY DISTRICT.
- THE NEW WATER LINE, INCLUDING ALL APPURTENANCES, SHALL BE DISINFECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE BEDFORD COUNTY UTILITY DISTRICT AND THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION PRIOR TO BEING PLACED INTO SERVICE.
- ANY AND ALL EASEMENTS REQUIRED FOR THE CONSTRUCTION OF THE WATER LINE AND APPURTENANCES AS SHOWN HEREON SHALL BE OBTAINED BY THE BEDFORD COUNTY UTILITY DISTRICT PRIOR TO THE START OF CONSTRUCTION.
- WATER LINE CONSTRUCTION ACROSS ALL CREEKS SHALL COMPLY WITH THE TERMS AND CONDITIONS OF "GENERAL PERMIT FOR UTILITY LINE CROSSINGS" EFFECTIVE AS OF JULY 01, 2010 AS ISSUED BY THE DIVISION OF WATER POLLUTION CONTROL OF THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE BEDFORD COUNTY UTILITY DISTRICT OF ALL MATERIALS PROPOSED TO BE USED FOR THIS PROJECT FOR APPROVAL OF USE.
- THE BEDFORD COUNTY UTILITY DISTRICT SHALL PROVIDE THE METER FOR THE 3/4" WATER SERVICE METER ASSEMBLY.
- THE CONTRACTOR SHALL UTILIZE 1" HDPE SERVICE PIPE TO CONNECT NEW 3/4" WATER SERVICE METER ASSEMBLY TO EXISTING SERVICE LINE ON CUSTOMERS' SIDE OF THE WATER METER ON PARCEL 16 ON SHEET U3--6. FITTINGS REQUIRED TO CONNECT 1" HDPE SERVICE PIPE TO EXISTING 1" PVC SERVICE PIPE SHALL BE CONSIDERED INCIDENTAL TO THE WORK, AND ADDITIONAL PAYMENT SHALL NOT BE ALLOWED.
- COMPACT FITTINGS PER ANSI A21.53/AWWA C153 SHALL BE ALLOWED PER ENGINEER'S APPROVAL.

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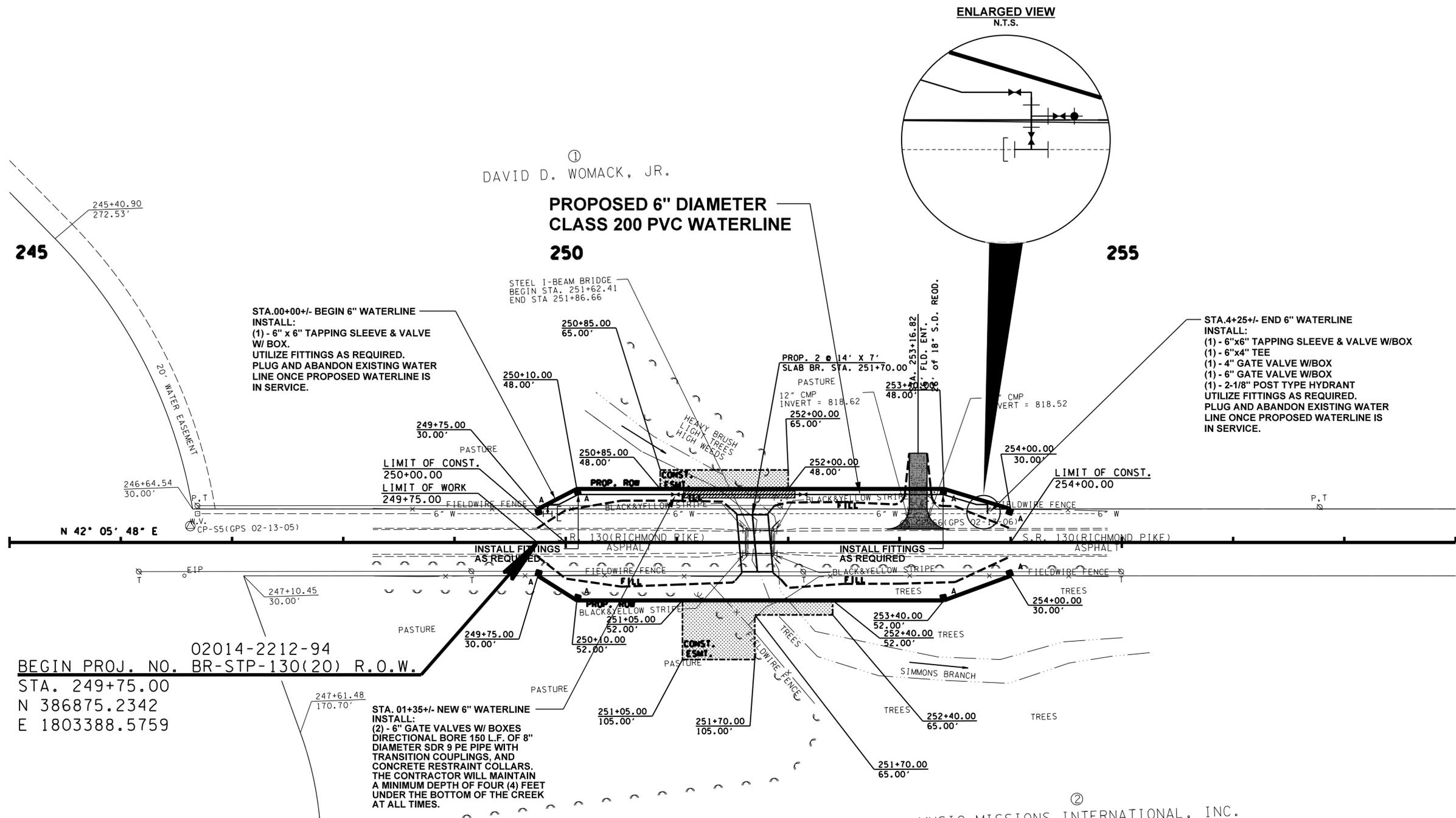


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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**TABULATED
QUANTITIES
AND NOTES**

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	02014-3212-94	U3-2



①
DAVID D. WOMACK, JR.

**PROPOSED 6" DIAMETER
CLASS 200 PVC WATERLINE**

ENLARGED VIEW
N.T.S.

255

245

STA.00+00+/- BEGIN 6" WATERLINE
INSTALL:
(1) - 6" x 6" TAPPING SLEEVE & VALVE
W/ BOX.
UTILIZE FITTINGS AS REQUIRED.
PLUG AND ABANDON EXISTING WATER
LINE ONCE PROPOSED WATERLINE IS
IN SERVICE.

STA.4+25+/- END 6" WATERLINE
INSTALL:
(1) - 6"x6" TAPPING SLEEVE & VALVE W/BOX
(1) - 6"x4" TEE
(1) - 4" GATE VALVE W/BOX
(1) - 6" GATE VALVE W/BOX
(1) - 2-1/8" POST TYPE HYDRANT
UTILIZE FITTINGS AS REQUIRED.
PLUG AND ABANDON EXISTING WATER
LINE ONCE PROPOSED WATERLINE IS
IN SERVICE.

STA. 01+35+/- NEW 6" WATERLINE
INSTALL:
(2) - 6" GATE VALVES W/ BOXES
DIRECTIONAL BORE 150 L.F. OF 8"
DIAMETER SDR 9 PE PIPE WITH
TRANSITION COUPLINGS, AND
CONCRETE RESTRAINT COLLARS.
THE CONTRACTOR WILL MAINTAIN
A MINIMUM DEPTH OF FOUR (4) FEET
UNDER THE BOTTOM OF THE CREEK
AT ALL TIMES.

②
MUSIC MISSIONS INTERNATIONAL, INC.

02014-2212-94
BEGIN PROJ. NO. BR-STP-130(20) R.O.W.
STA. 249+75.00
N 386875.2342
E 1803388.5759

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
S5	386653.6021	1803168.5568	828.19	246+62.50	14.68' (LT)
S6	387131.0619	1803598.4063	821.06	253+04.94	15.81' (LT)

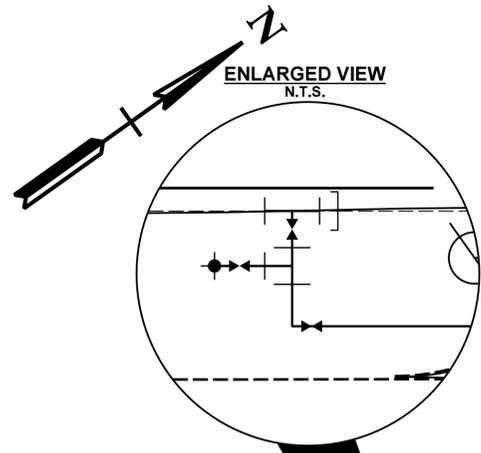
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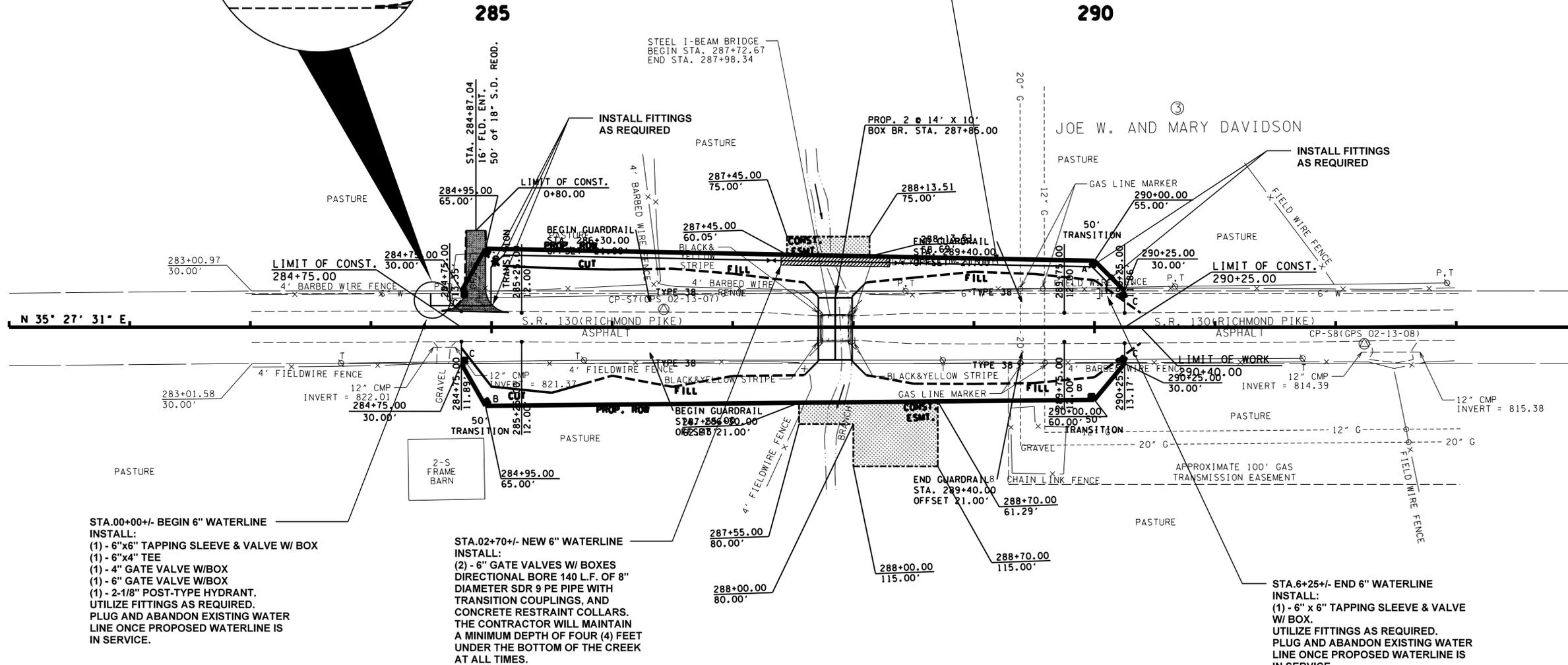
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**PROPOSED
WATER LINE**
S.R. 130
STA. 245+00 TO STA. 258+00
SCALE: 1"=50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	02014-3212-94	U3-3



PROPOSED 6" DIAMETER CLASS 200 PVC WATERLINE



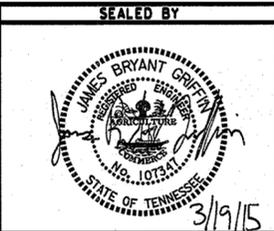
STA.00+00+/- BEGIN 6" WATERLINE
INSTALL:
(1) - 6"x6" TAPPING SLEEVE & VALVE W/ BOX
(1) - 6"x4" TEE
(1) - 4" GATE VALVE W/BOX
(1) - 6" GATE VALVE W/BOX
(1) - 2-1/8" POST-TYPE HYDRANT.
UTILIZE FITTINGS AS REQUIRED.
PLUG AND ABANDON EXISTING WATER LINE ONCE PROPOSED WATERLINE IS IN SERVICE.

STA.02+70+/- NEW 6" WATERLINE
INSTALL:
(2) - 6" GATE VALVES W/ BOXES
DIRECTIONAL BORE 140 L.F. OF 8" DIAMETER SDR 9 PE PIPE WITH TRANSITION COUPLINGS, AND CONCRETE RESTRAINT COLLARS. THE CONTRACTOR WILL MAINTAIN A MINIMUM DEPTH OF FOUR (4) FEET UNDER THE BOTTOM OF THE CREEK AT ALL TIMES.

STA.6+25+/- END 6" WATERLINE
INSTALL:
(1) - 6" x 6" TAPPING SLEEVE & VALVE W/ BOX.
UTILIZE FITTINGS AS REQUIRED.
PLUG AND ABANDON EXISTING WATER LINE ONCE PROPOSED WATERLINE IS IN SERVICE.

4

JOE W. AND MARY DAVIDSON



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED WATER LINE
S.R. 130
STA.281+00 TO STA.294+00
SCALE: 1"=50'

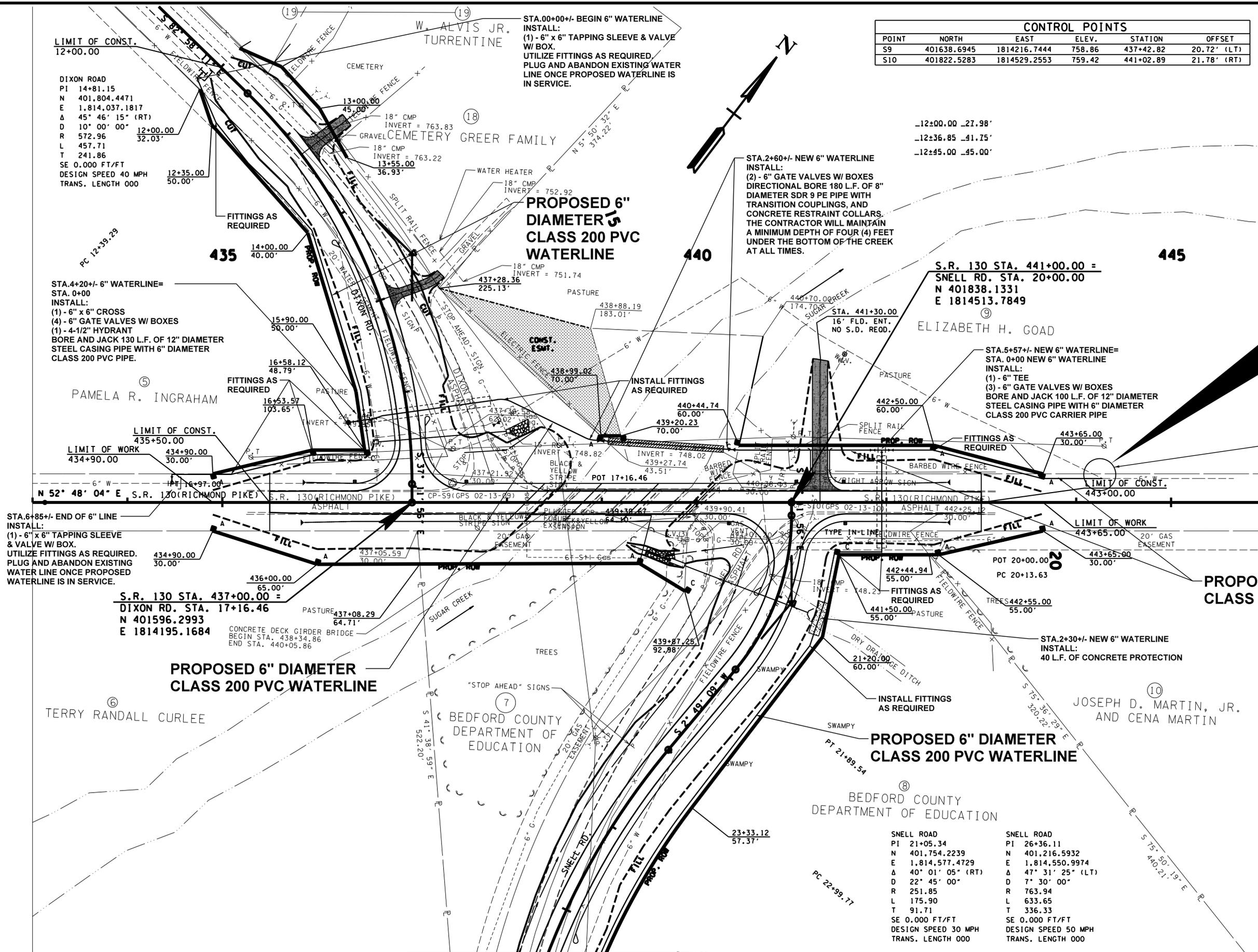
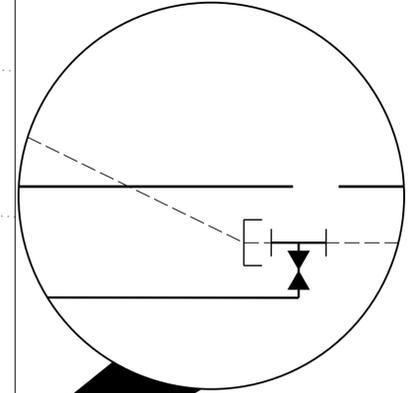
L.M. 5.45

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
S7	389767.5977	1805635.2587	816.80	286+42.80	14.82' (LT)
S8	390224.1958	1805995.4768	817.10	292+23.68	13.71' (RT)

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
S9	401638.6945	1814216.7444	758.86	437+42.82	20.72' (LT)
S10	401822.5283	1814529.2553	759.42	441+02.89	21.78' (RT)

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	02014-3212-94	U3-4

ENLARGED VIEW
N.T.S.



STA.7+95+/- END 6" WATERLINE
INSTALL:
(1) - 6" x 6" TAPPING SLEEVE & VALVE W/ BOX.
UTILIZE FITTINGS AS REQUIRED.
PLUG AND ABANDON EXISTING WATER LINE ONCE PROPOSED WATERLINE IS IN SERVICE.

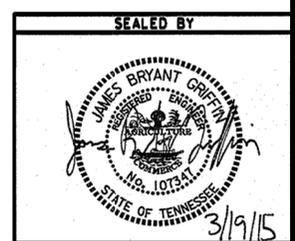
PROPOSED 6" DIAMETER CLASS 200 PVC WATERLINE

PROPOSED 6" DIAMETER CLASS 200 PVC WATERLINE

PROPOSED 6" DIAMETER CLASS 200 PVC WATERLINE

SNELL ROAD PI 21+05.34 N 401,754.2239 E 1,814,577.4729 Δ 40° 01' 05" (RT) D 22° 45' 00" R 251.85 L 175.90 T 91.71 SE 0.000 FT/FT DESIGN SPEED 30 MPH TRANS. LENGTH 000	SNELL ROAD PI 26+36.11 N 401,216.5932 E 1,814,550.9974 Δ 47° 31' 25" (LT) D 7° 30' 00" R 763.94 L 633.65 T 336.33 SE 0.000 FT/FT DESIGN SPEED 50 MPH TRANS. LENGTH 000
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MATCH LINE STA. 25+50 SEE SHEET NO. 7

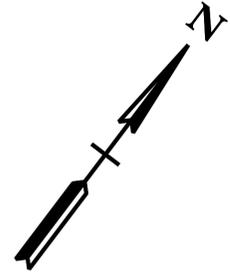


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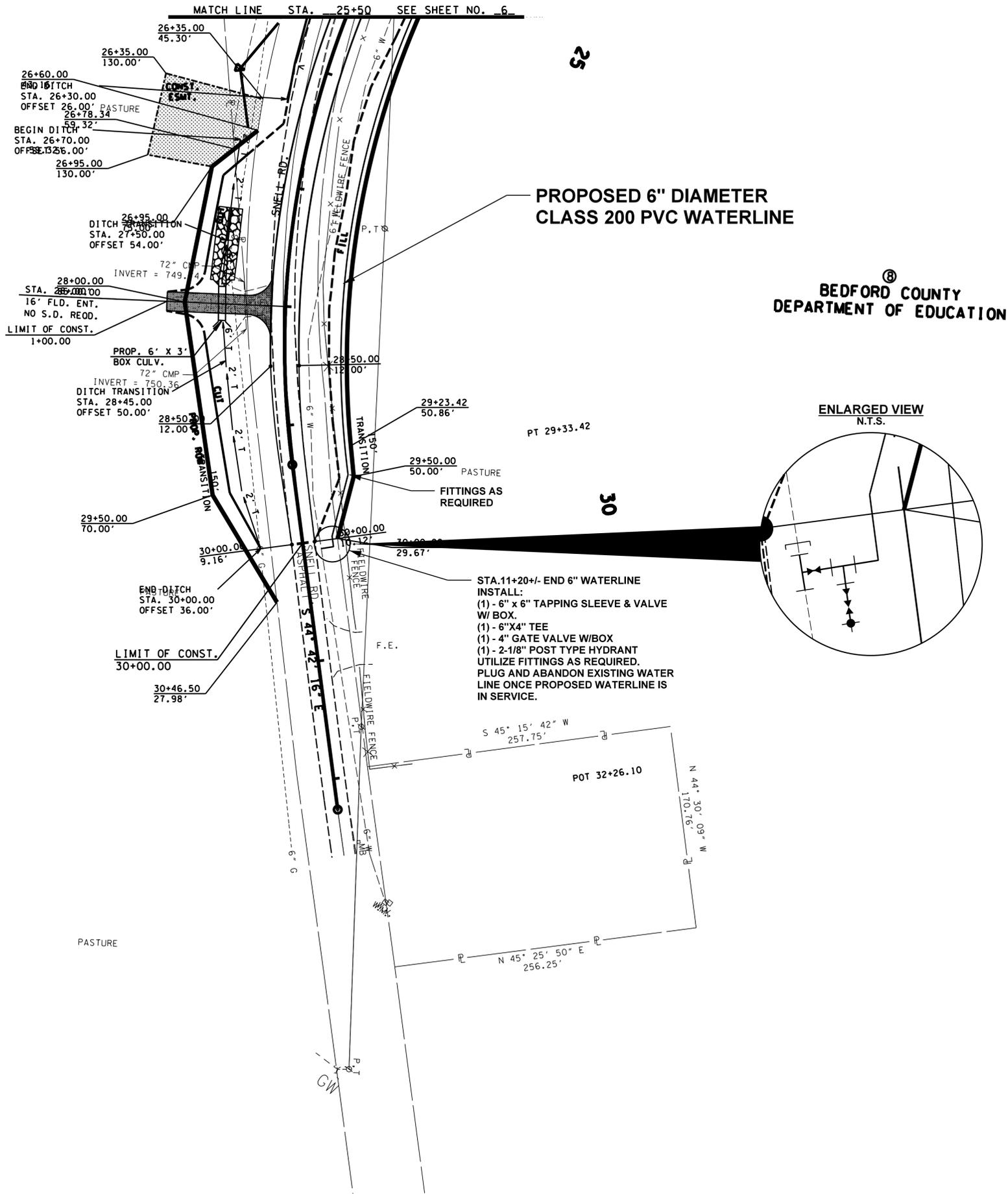
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED WATER LINE
S.R. 130
STA. 433+00 TO STA. 446+00
SCALE: 1"=50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	02014-3212-94	J3-5



TERRY RANDALL CURLEE



BEDFORD COUNTY
 DEPARTMENT OF EDUCATION

ENLARGED VIEW
 N.T.S.

STA. 11+20+/- END 6" WATERLINE
 INSTALL:
 (1) - 6" x 6" TAPPING SLEEVE & VALVE
 W/ BOX.
 (1) - 6" x 4" TEE
 (1) - 4" GATE VALVE W/ BOX
 (1) - 2-1/8" POST TYPE HYDRANT
 UTILIZE FITTINGS AS REQUIRED.
 PLUG AND ABANDON EXISTING WATER
 LINE ONCE PROPOSED WATERLINE IS
 IN SERVICE.

7/30/2015 11:47:32 AM
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3/19/15

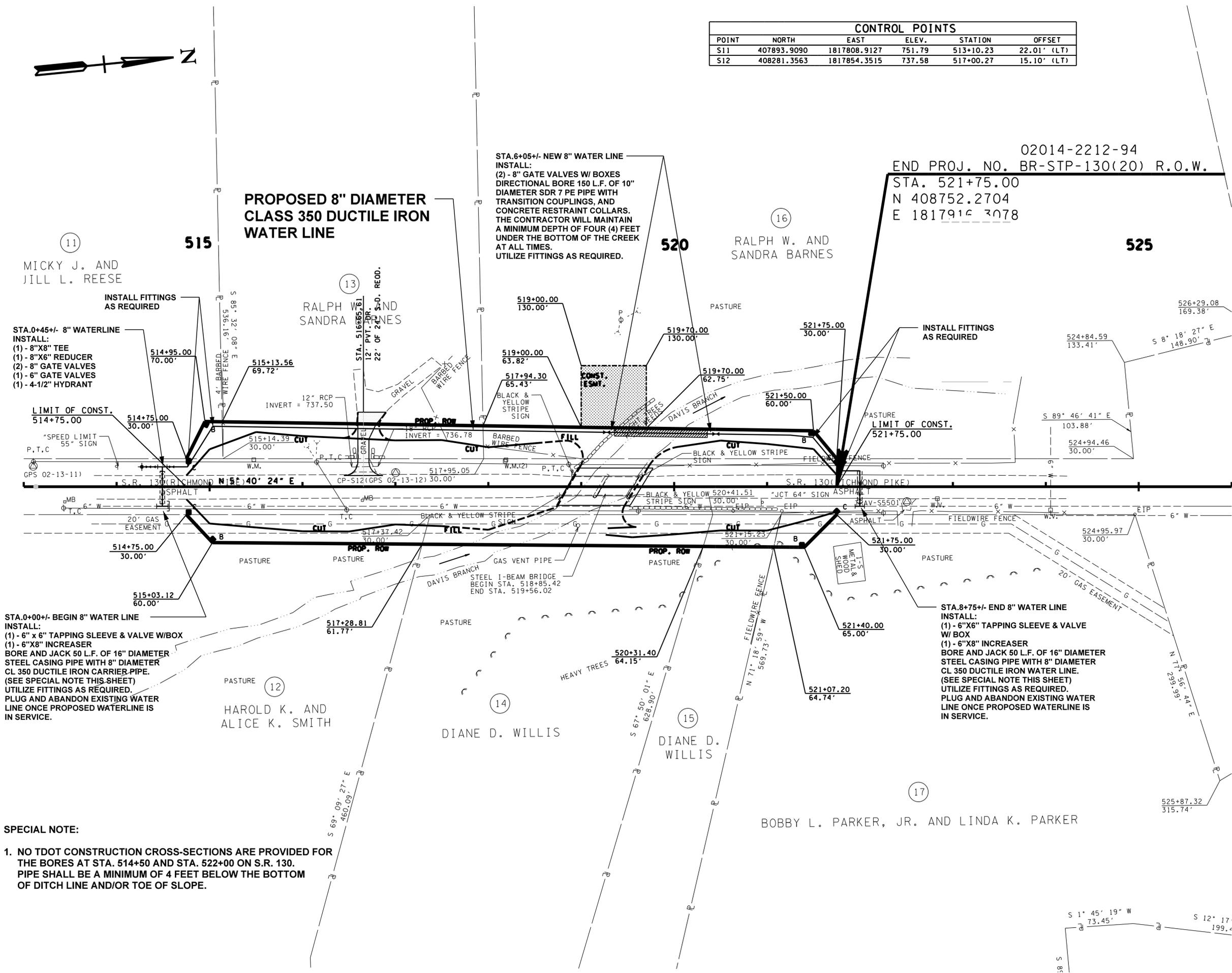
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STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

**PROPOSED
 WATER LINE**
 SNEEL ROAD
 STA. 25+50 TO STA. 32+00
 SCALE: 1" = .50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	02014-3212-94	J3-6

CONTROL POINTS				
POINT	NORTH	EAST	ELEV.	STATION
S11	407893.9090	1817808.9127	751.79	513+10.23
S12	408281.3563	1817854.3515	737.58	517+00.27
				22.01' (LT)
				15.10' (LT)



STA.0+45+/- 8" WATERLINE
INSTALL:
(1) - 8"x8" TEE
(1) - 8"x6" REDUCER
(2) - 8" GATE VALVES
(1) - 6" GATE VALVES
(1) - 4-1/2" HYDRANT

STA.0+00+/- BEGIN 8" WATER LINE
INSTALL:
(1) - 6" x 6" TAPPING SLEEVE & VALVE W/BOX
(1) - 6"x8" INCREASER
BORE AND JACK 50 L.F. OF 16" DIAMETER
STEEL CASING PIPE WITH 8" DIAMETER
CL 350 DUCTILE IRON CARRIER PIPE.
(SEE SPECIAL NOTE THIS SHEET)
UTILIZE FITTINGS AS REQUIRED.
PLUG AND ABANDON EXISTING WATER
LINE ONCE PROPOSED WATERLINE IS
IN SERVICE.

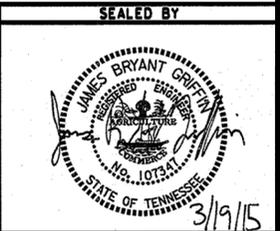
STA.6+05+/- NEW 8" WATER LINE
INSTALL:
(2) - 8" GATE VALVES W/ BOXES
DIRECTIONAL BORE 150 L.F. OF 10"
DIAMETER SDR 7 PE PIPE WITH
TRANSITION COUPLINGS, AND
CONCRETE RESTRAINT COLLARS.
THE CONTRACTOR WILL MAINTAIN
A MINIMUM DEPTH OF FOUR (4) FEET
UNDER THE BOTTOM OF THE CREEK
AT ALL TIMES.
UTILIZE FITTINGS AS REQUIRED.

02014-2212-94
END PROJ. NO. BR-STP-130(20) R.O.W.
STA. 521+75.00
N 408752.2704
E 1817916.3078

STA.8+75+/- END 8" WATER LINE
INSTALL:
(1) - 6"x6" TAPPING SLEEVE & VALVE
W/ BOX
(1) - 6"x8" INCREASER
BORE AND JACK 50 L.F. OF 16" DIAMETER
STEEL CASING PIPE WITH 8" DIAMETER
CL 350 DUCTILE IRON WATER LINE.
(SEE SPECIAL NOTE THIS SHEET)
UTILIZE FITTINGS AS REQUIRED.
PLUG AND ABANDON EXISTING WATER
LINE ONCE PROPOSED WATERLINE IS
IN SERVICE.

SPECIAL NOTE:

1. NO TDOT CONSTRUCTION CROSS-SECTIONS ARE PROVIDED FOR THE BORES AT STA. 514+50 AND STA. 522+00 ON S.R. 130. PIPE SHALL BE A MINIMUM OF 4 FEET BELOW THE BOTTOM OF DITCH LINE AND/OR TOE OF SLOPE.

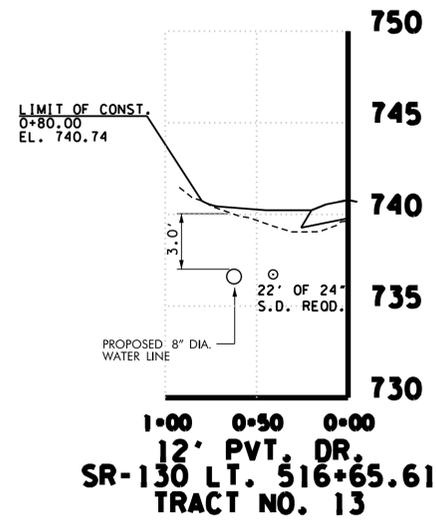
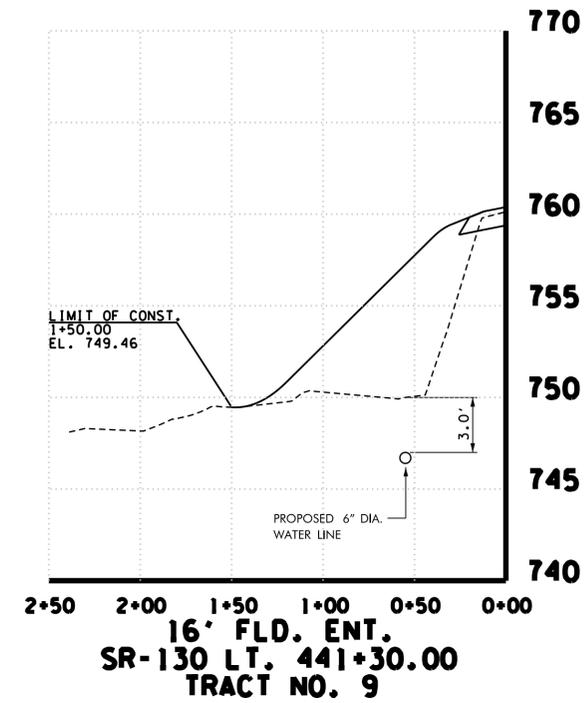
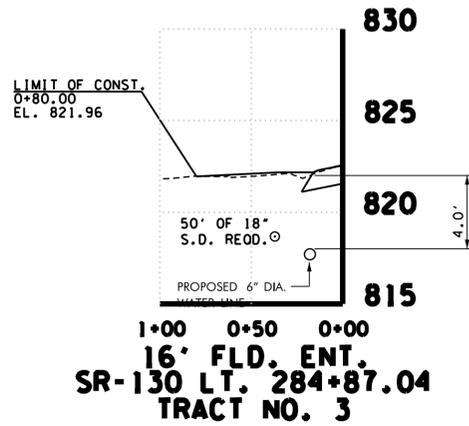
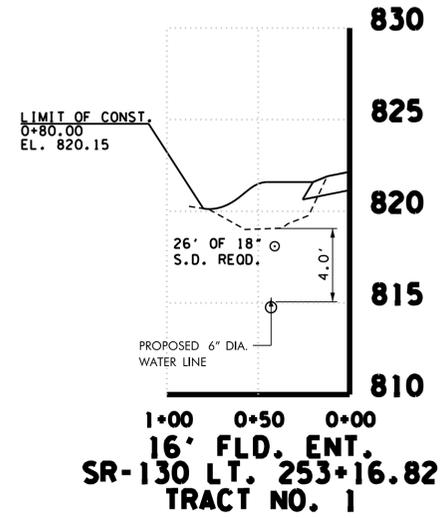


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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**PROPOSED
WATER LINE**
SNEEL ROAD
STA. 513+00 TO STA. 526+00
SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	02014-3212-94	U3-7



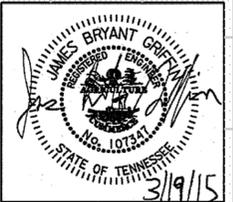
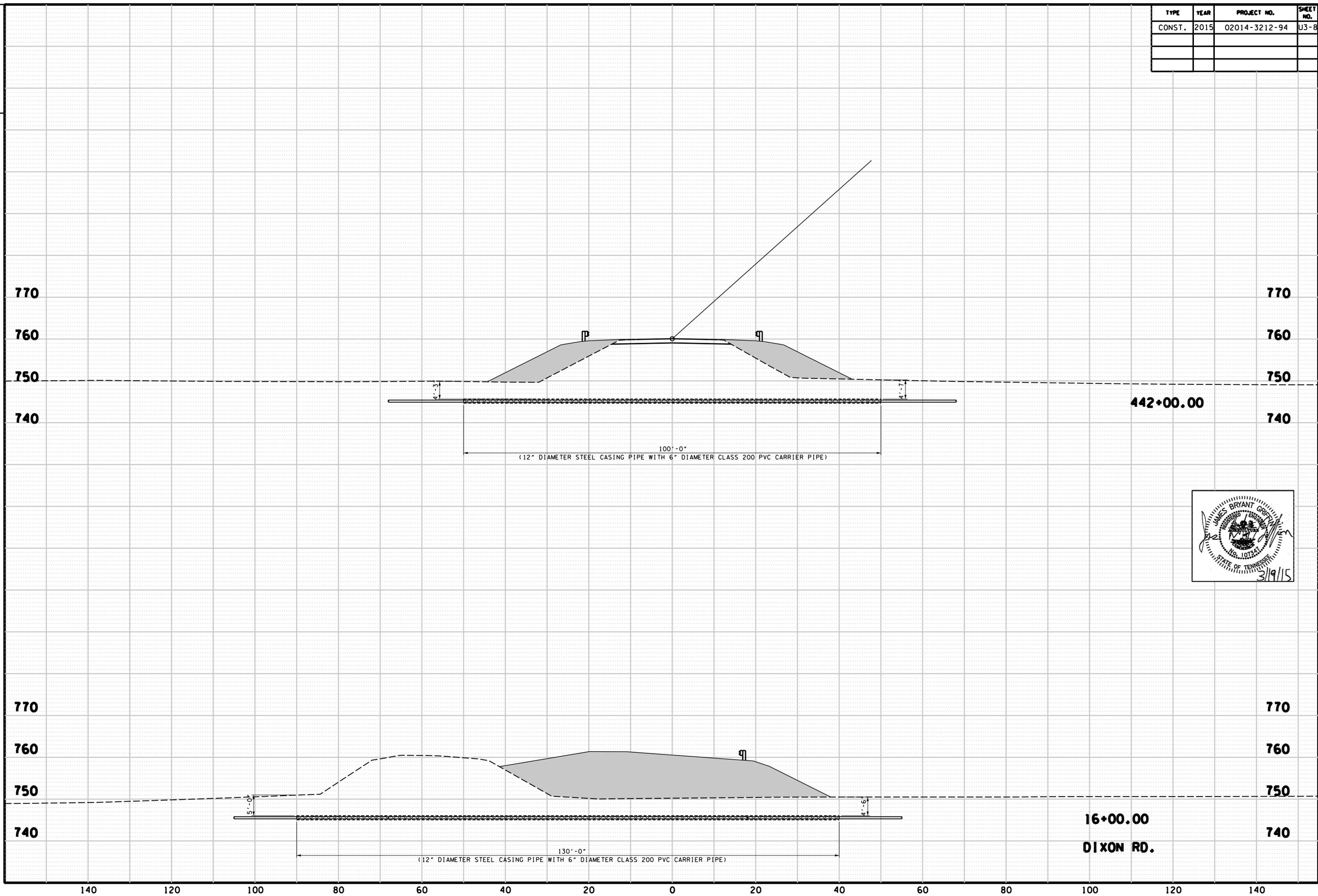
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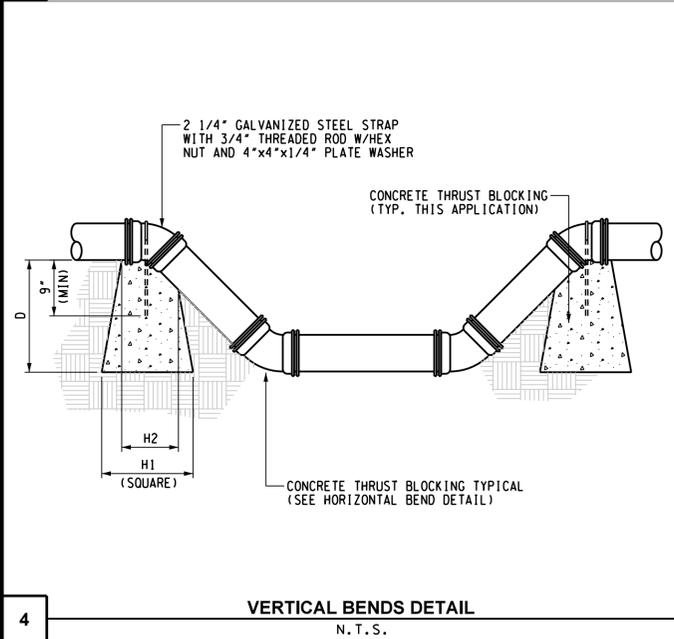
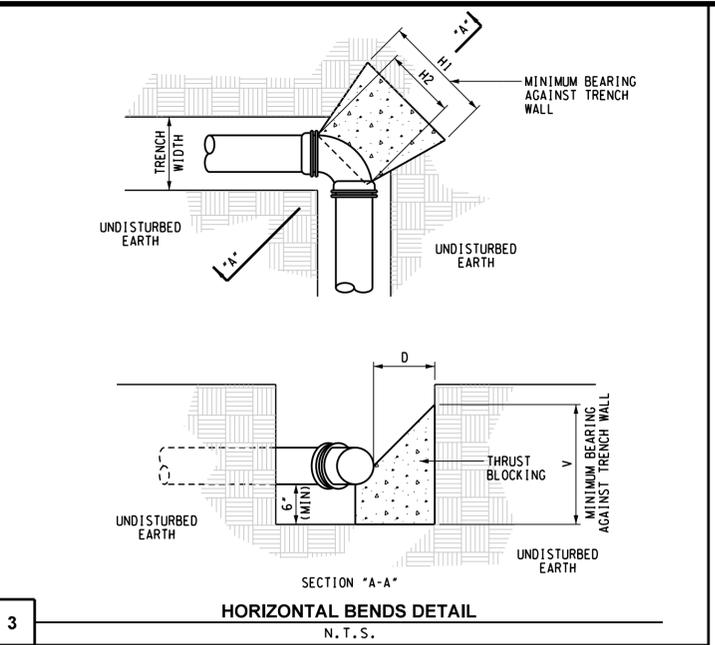
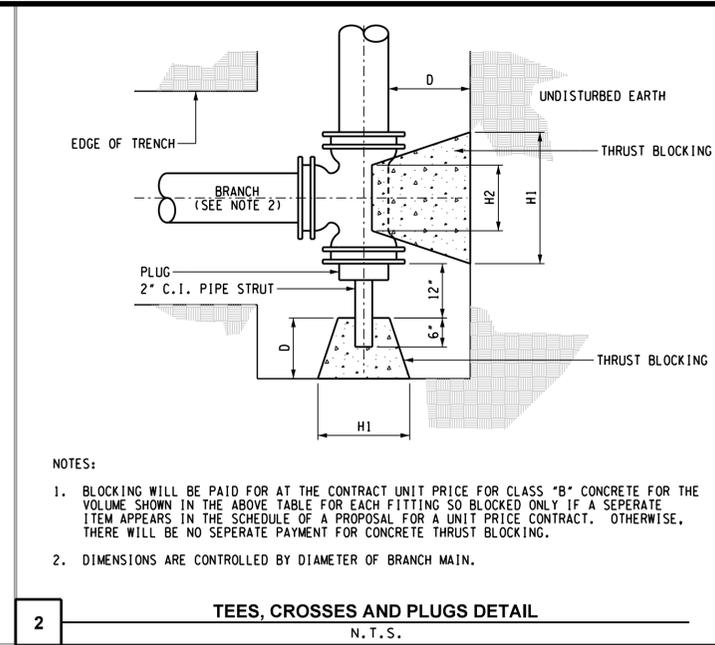
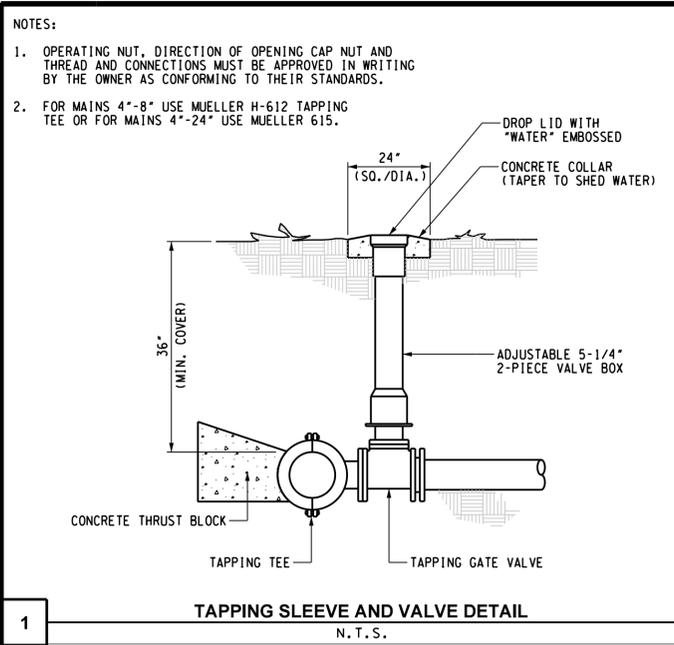
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRIVEWAY PROFILES

S.R. 130
SCALE: 1"=50' HORIZ.
1"=5' VERT.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	02014-3212-94	U3-8



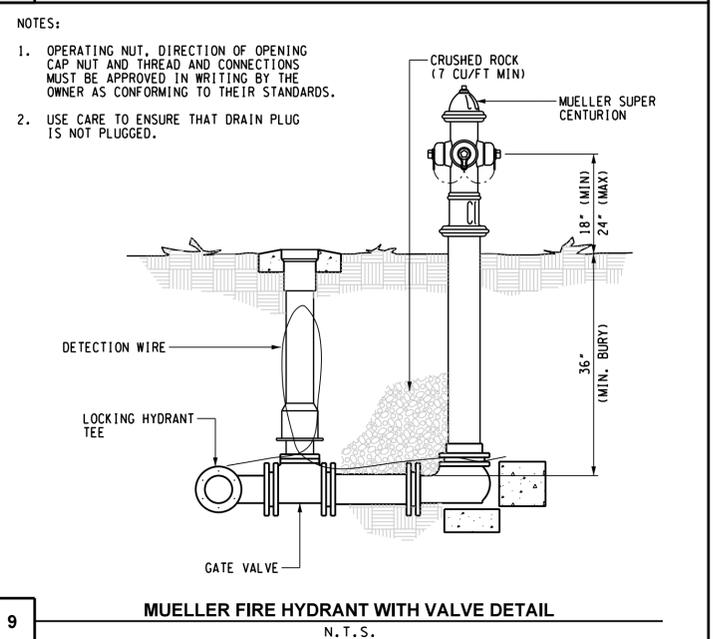
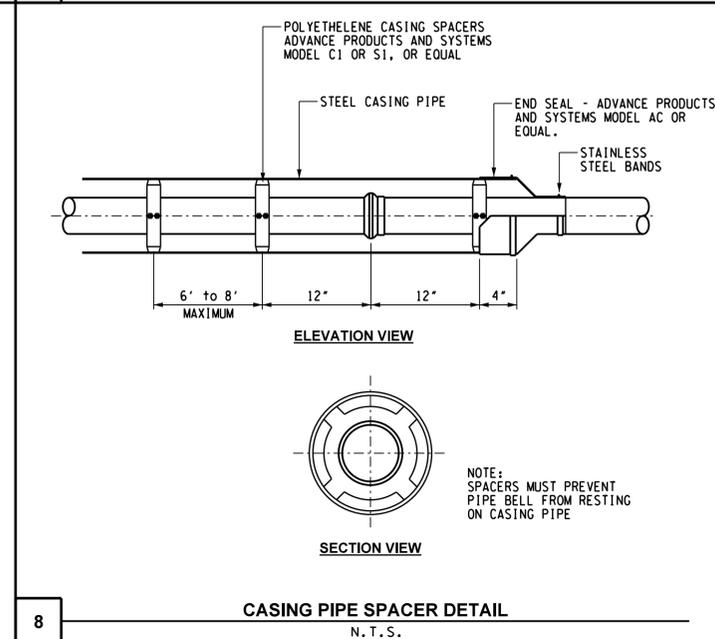
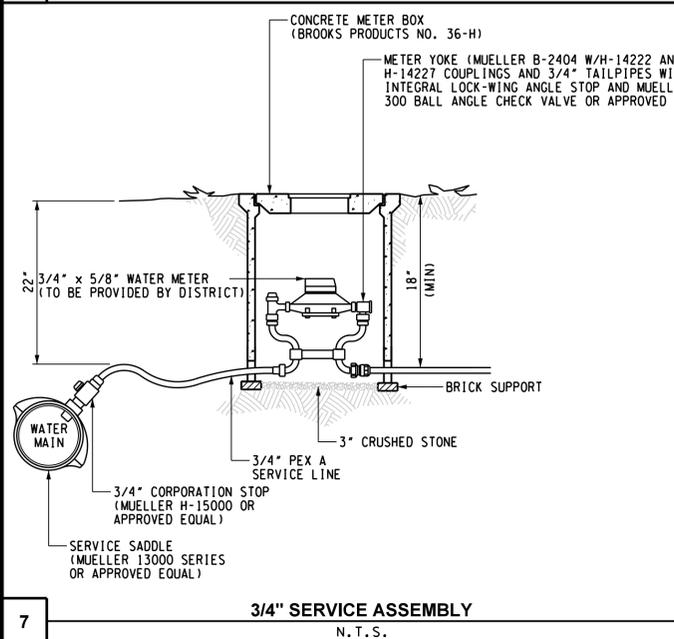
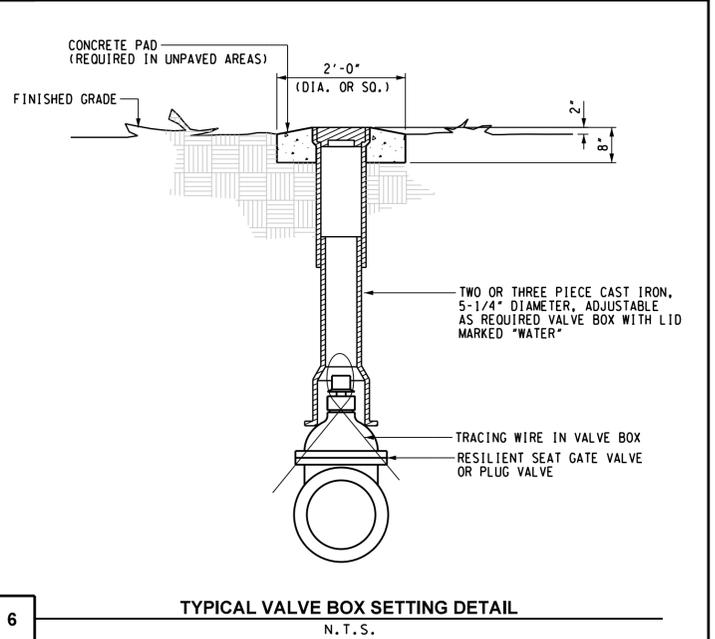


TEES, CROSSES, AND PLUGS

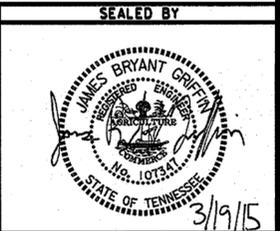
TEES, CROSSES, AND PLUGS				90° BENDS				45° BENDS				22-1/2° BENDS				11-1/4° BENDS				PIPE SIZE			
H1	H2	V	D	H1	H2	V	D	H1	H2	V	D	H1	H2	V	D	H1	H2	V	D				
18"	10"	12"	18"	1.90	18"	10"	12"	1.90	18"	6"	12"	1.50	18"	6"	12"	1.50	18"	6"	12"	1.50	24"	2"	24"
24"	12"	12"	18"	2.25	24"	12"	12"	2.25	18"	8"	12"	1.60	18"	8"	12"	1.60	18"	8"	12"	1.60	3"	3"	4"
24"	16"	18"	18"	3.50	30"	16"	18"	4.05	24"	10"	16"	3.20	24"	10"	16"	3.20	24"	10"	16"	3.20	6"	6"	6"
36"	18"	18"	24"	5.05	39"	18"	24"	7.30	30"	12"	18"	3.95	24"	12"	18"	3.45	24"	12"	18"	3.40	8"	8"	8"
48"	24"	18"	24"	7.15	54"	32"	24"	10.25	36"	18"	21"	4.60	24"	18"	21"	4.60	24"	18"	21"	4.60	10"	10"	10"
54"	30"	24"	24"	13.40	54"	32"	36"	18.15	42"	18"	24"	9.60	24"	18"	24"	6.60	24"	18"	21"	6.10	12"	12"	12"
60"	32"	30"	24"	17.90	60"	40"	42"	25.00	44"	24"	30"	13.20	30"	24"	24"	9.20	27"	21"	24"	7.90	14"	14"	14"
66"	34"	36"	24"	22.50	69"	48"	48"	29.00	48"	30"	36"	17.00	36"	30"	27"	11.80	27"	24"	27"	9.10	16"	16"	16"
66"	36"	40"	24"	27.50	69"	48"	48"	33.00	48"	30"	36"	17.00	36"	30"	29"	13.00	27"	30"	29"	11.00	18"	18"	18"
38"	24"	24"	24"	48"	24"	40"	24"	40"	24"	36"	24"	30"	40"	28"	20"								
42"	24"	24"	24"	60"	24"	48"	24"	48"	24"	42"	24"	42"	24"	42"	24"	42"	24"	32"	24"				
58"	24"	24"	24"	96"	24"	72"	24"	72"	24"	72"	24"	72"	24"	72"	24"	48"	36"	36"	36"				

NOTES:
1. BLOCKING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR CLASS "B" CONCRETE FOR THE VOLUME SHOWN IN THE ABOVE TABLE FOR EACH FITTING SO BLOCKED ONLY IF A SEPARATE ITEM APPEARS IN THE SCHEDULE OF A PROPOSAL FOR A UNIT PRICE CONTRACT. OTHERWISE, THERE WILL BE NO SEPARATE PAYMENT FOR CONCRETE THRUST BLOCKING.
2. DIMENSIONS ARE CONTROLLED BY DIAMETER OF BRANCH MAIN.
3. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE THRUST BLOCKING ON ALL TEES, BENDS, TAPPING SLEEVES AND VALVES, AND ANY OTHER PIPING CONNECTIONS AS SHOWN ON THE STANDARD DETAIL SHEET. THE CONTRACTOR SHALL NOT BE ALLOWED TO USE ANY PRE-MIX CONCRETE SUCH AS SAK-CRETE. ALL THRUST BLOCKING SHALL BE VISUALLY INSPECTED PRIOR TO BACKFILLING BY THE OWNER'S REPRESENTATIVE.

CONCRETE THRUST BLOCKING DETAIL
N. T. S.



TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	02014-3212-94	U3-9

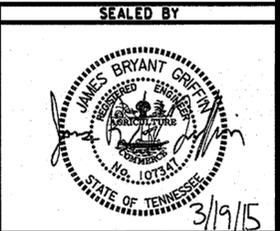
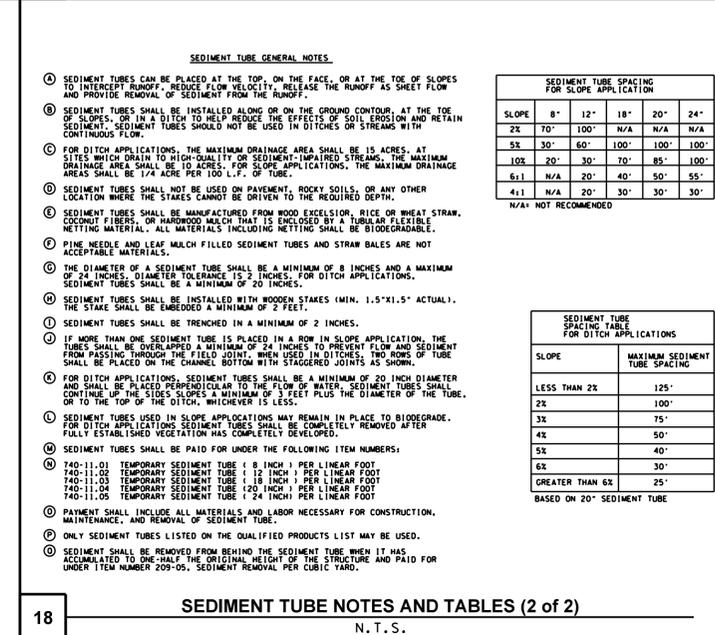
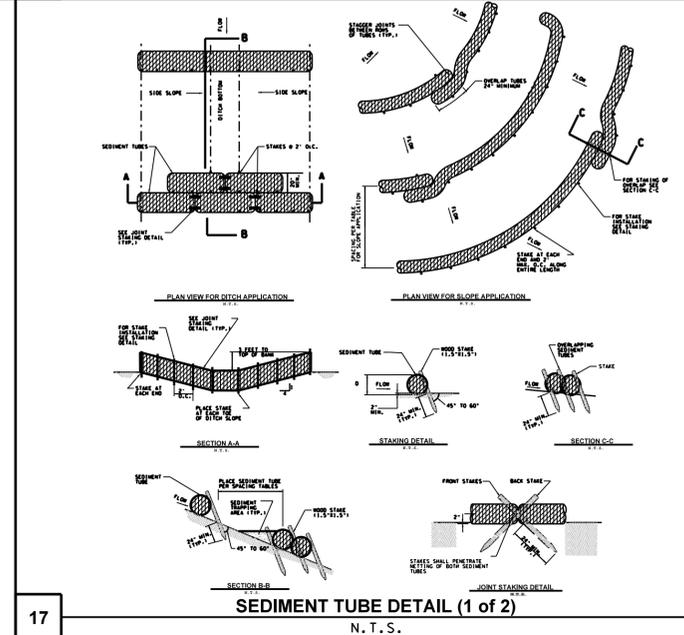
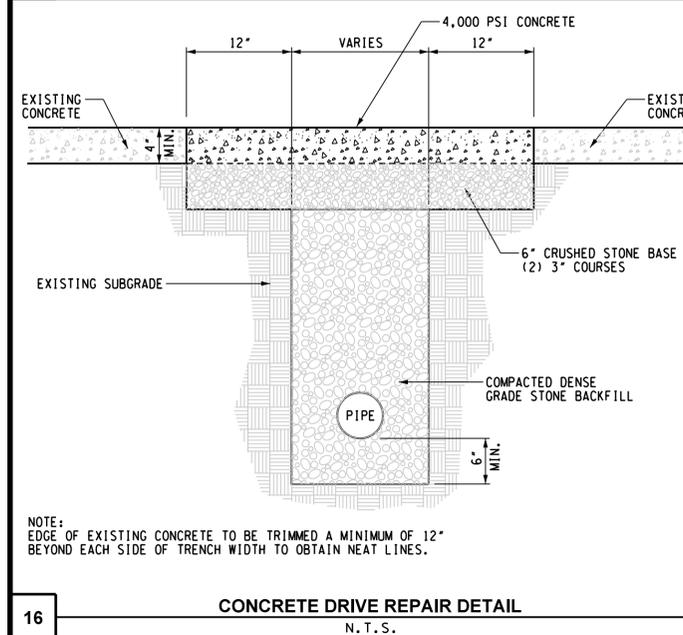
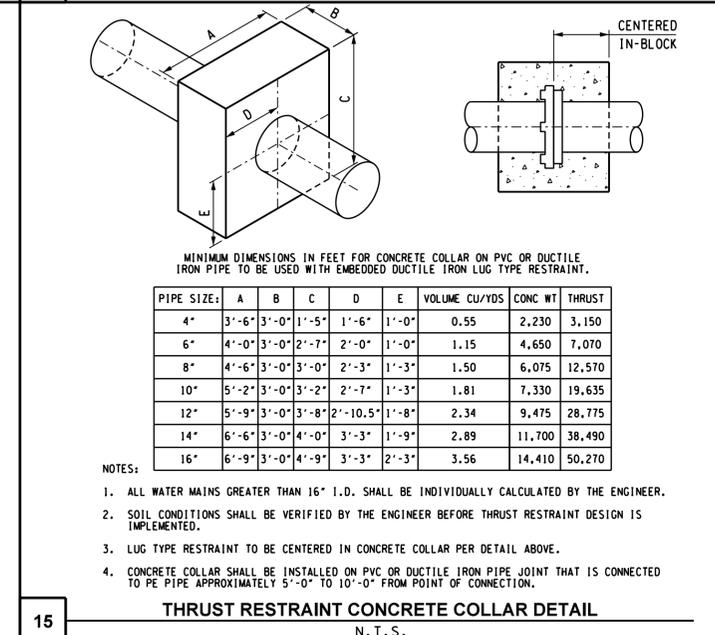
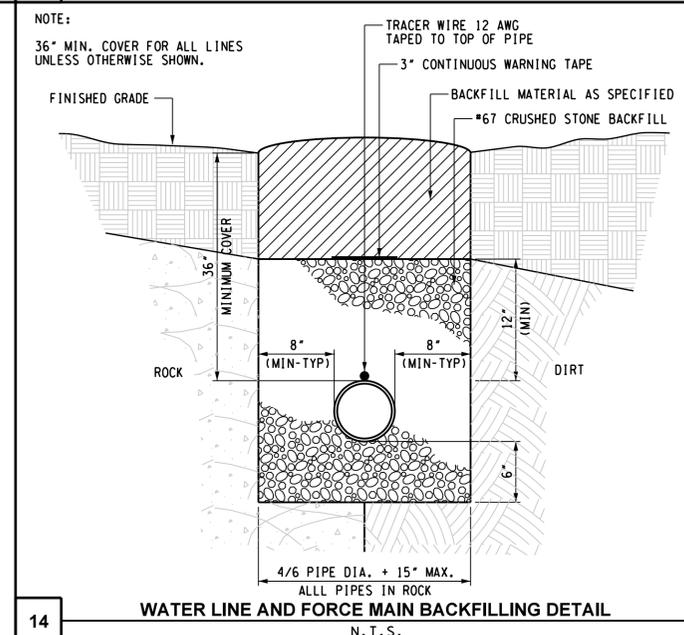
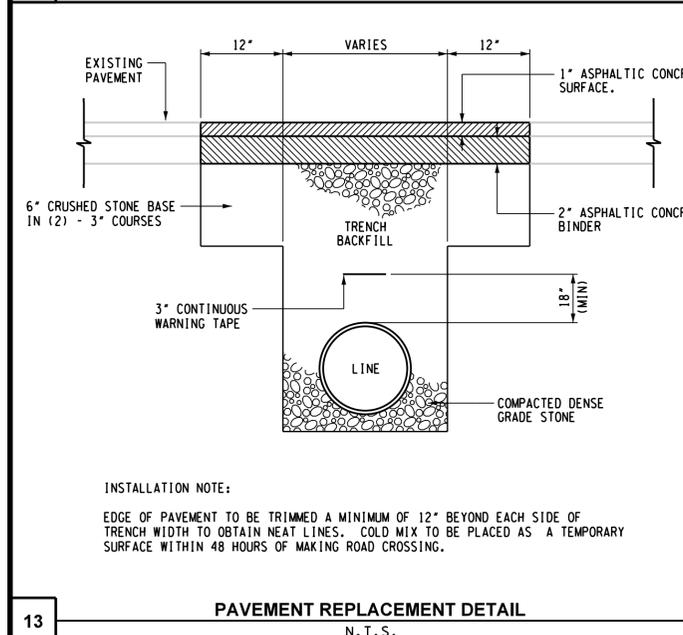
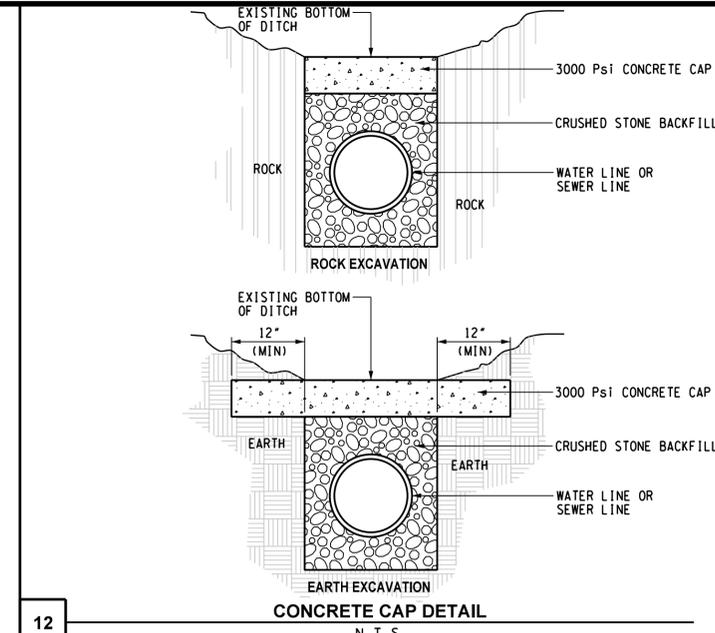
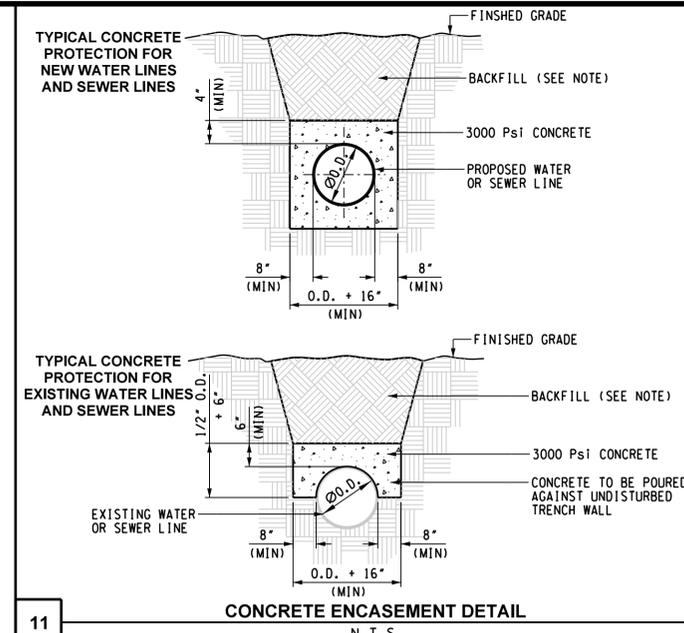
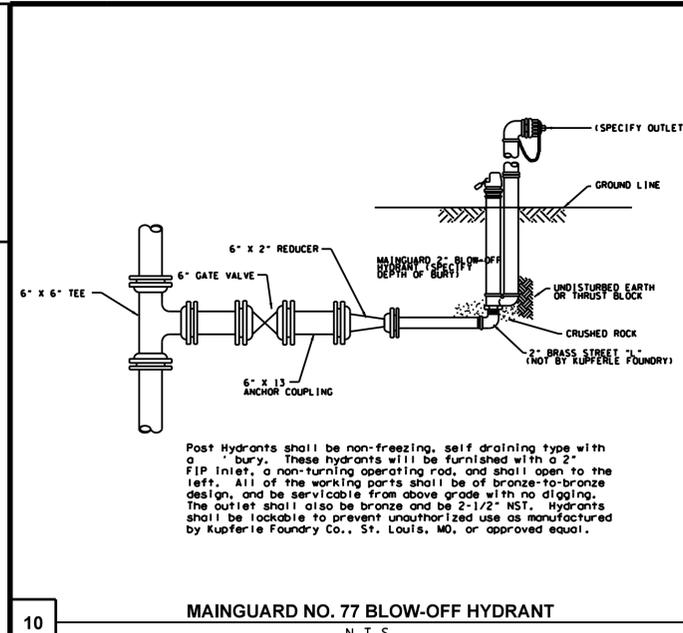


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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

WATER LINE DETAILS
S.R. 130
SCALE: NTS

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	02014-3212-94	U3-10



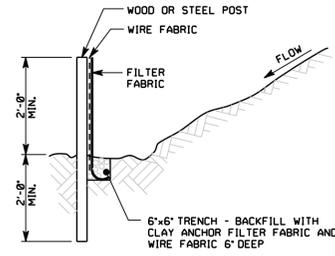
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

WATER LINE DETAILS
S.R. 130

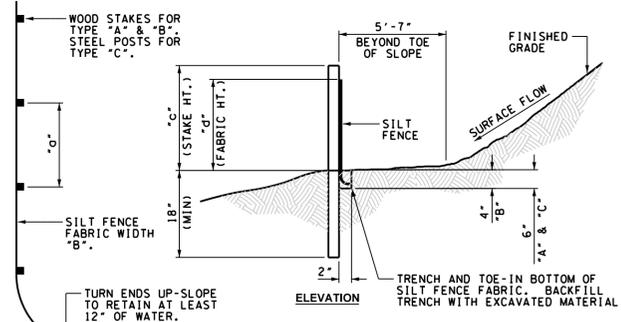
SCALE: NTS

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	02014-3212-94	J3-11



- NOTES:
1. FILTER FABRIC FENCE TO BE PLACED PRIOR TO START OF ROUGH GRADING.
 2. STEEL POSTS SHALL BE APPROVED BY OWNER PRIOR TO USE.
 3. WOOD POSTS SHALL BE 2"x 2" MIN., OAK OR SIMILAR HARDWOOD.
 4. POSTS SHALL BE SPACED AT 6' INTERVALS.
 5. WIRE FABRIC & FILTER FABRIC SHALL BE SECURELY BOUND TO POSTS WITH EITHER STAPLES OR WIRE TIES.
 6. FILTER FABRIC SHALL BE POLYPROPYLENE FABRIC WITH EQUIVALENT OPENING SIZE (EOS) OF NO.100 SIEVE MIN., NO.40 SIEVE MAX., AS DETERMINED BY CORPS OF ENGINEERS GUIDE SPEC. CW 02215.

19 SILT FENCE DETAIL
N. T. S.



- NOTES:
1. WOOD STAKES OR STEEL POSTS MAY BE USED WITH SILT FENCE TYPES "A" AND "B". ONLY STEEL POSTS SHALL BE USED WITH TYPE "C" SILT FENCE.
 2. TYPE "C" SILT FENCE SHALL BE WIRE REINFORCED.
 3. ONLY SILT FENCE FABRIC LISTED ON T.D.O.T.'S QUALIFIED PRODUCTS LIST SHALL BE APPROVED.

TYPE	"a"	"b"	"c"	"d"	APPARENT OPENING SIZE	FLOW RATE (GPM)
"A"	6'-0"	36"	30"	28"	*30 SIEVE	25
"B"	6'-0"	22"	18"	16"	*30 SIEVE	25
"C"	4'-0"	36"	30"	28"	*30 SIEVE	70

20 SILT FENCE DETAIL
N. T. S.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**WATER LINE
DETAILS**

S.R. 130

SCALE: NTS

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	02014-3212-94	U4-1

GENERAL NOTES

1. ALL GAS LINES AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE BEDFORD COUNTY UTILITY DISTRICT.
2. THE PROPOSED P.E. GAS LINE SHALL BE INSTALLED IN ACCORDANCE WITH THE DISTRICT'S STANDARD SPECIFICATIONS.
3. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES OR OTHER PROPERTIES (INCLUDING BUT NOT LIMITED TO PAVEMENTS) RESULTING FROM THIS CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE BEDFORD COUNTY UTILITY DISTRICT.
4. ANY AND ALL EASEMENTS REQUIRED FOR THE CONSTRUCTION OF THE P.E. GAS LINE AND APPURTENANCES AS SHOWN HEREON SHALL BE OBTAINED BY THE BEDFORD COUNTY UTILITY DISTRICT PRIOR TO THE START OF CONSTRUCTION.
5. GAS LINE CONSTRUCTION ACROSS ALL CREEKS SHALL COMPLY WITH THE TERMS AND CONDITIONS OF "GENERAL PERMIT FOR UTILITY LINE CROSSINGS" EFFECTIVE AS OF MAY 23, 2011 AS ISSUED BY THE DIVISION OF WATER POLLUTION CONTROL OF THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION.
6. SUFFICIENT PRECAUTIONS SHALL BE TAKEN DURING CONSTRUCTION TO MINIMIZE THE RUN-OFF OF POLLUTING SUBSTANCES SUCH AS SILT, CLAY, FUELS, OILS, BITUMENS, CALCIUM CHLORIDE, OR OTHER POLLUTING MATERIALS HARMFUL TO HUMANS, FISH OR OTHER LIFE, INTO THE SUPPLIES AND SURFACE WATERS OF THE STATE. CONTROL MEASURES MUST BE ADEQUATE TO ASSURE THAT TURBIDITY IN THE RECEIVING WATER WILL NOT BE INCREASED MORE THAN 10 NEPHELOMETRIC TURBIDITY UNITS (NTU), OR AS OTHERWISE REQUIRED BY THE STATE OR OTHER CONTROLLING BODY. SPECIAL PRECAUTIONS SHALL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT OPERATIONS WHICH PROMOTE EROSION.
7. EROSION EELS AND/OR SILTATION FENCING SHALL BE INSTALLED AROUND THE CONSTRUCTION AREAS TO PREVENT EROSION, RUNOFF AND SEDIMENTATION FROM ENTERING ADJACENT DRAINAGE DITCHES OR AREA WATERWAYS. AN EROSION CONTROL PLAN SHALL BE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION.
8. EROSION CONTROL BARRIERS SHALL BE INSTALLED DOWNHILL OF ALL DISTURBED AREAS AND SHALL BE INSPECTED ROUTINELY AND REPLACED AS NECESSARY FOR THE DURATION OF THE CONTRACT.
9. IF ANY EXISTING GAS LINES, SANITARY SEWERS, STORM SEWERS OR WATER LINES ARE DAMAGED DURING THIS PROJECT THE CONTRACTOR IS TO PERFORM THE NECESSARY REPAIRS AS APPROVED AND/OR DIRECTED BY THE ENGINEER AND THE BEDFORD COUNTY UTILITY DISTRICT.
10. THE CONTRACTOR SHALL PERFORM CLEAN-UP WORK, FINISHED GRADING, SEEDING AND STRAWING IN A TIMELY MANNER. ANY AREAS DISTURBED SUBSEQUENT TO THESE ACTIVITIES AS A RESULT OF REPAIRS SHALL AGAIN BE REGRADED, SEEDED AND STRAWED.
11. ALL ROADWAYS ARE TO BE BACKFILLED WITH CRUSHED STONE.
12. MAGNESIUM ANODES SHALL BE INSTALLED AT THE DIRECTION AND IN THE LOCATION DESIGNATED BY THE ENGINEER.
13. ALL DRIVEWAY CROSSINGS SHALL BE VACKFILLED WITH STONE. NO ADDITIONAL PAYMENT SHALL BE ALLOWED ON THE STONE BACKFILL FOR DRIVEWAY CROSSINGS.

TABULATION OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT	PERCENT STATE	PERCENT UTILITY
791-01.05	6" STEEL GAS MAIN	1575	L.F.	100%	0%
791-07.11	6" STEEL GAS VALVE ASSEMBLY	9	EACH	100%	0%
791-05.15	* BORE/JACK 12IN-STEEL CASING PIPE ROCK	250	L.F.	100%	0%
791-06.33	6" STEEL HOT TAP	9	EACH	100%	0%
791-11.01	* CLASS A CONCRETE	100	C.Y.	100%	0%
791-10.06	CUT, CAP, AND ABANDON EXISTING GAS LINE	10	EACH	100%	0%
791-09.03	MAGNESIUM ANODES	3	EACH	100%	0%
791-09.05	PAVEMENT REPAIR	20	S.Y.	100%	0%
791-03.05	6" PE GAS MAIN	400	L.F.	100%	0%
791-06.04	6" PE HOT TAP	2	EACH	100%	0%

* = FOR GAS LINE PROTECTION



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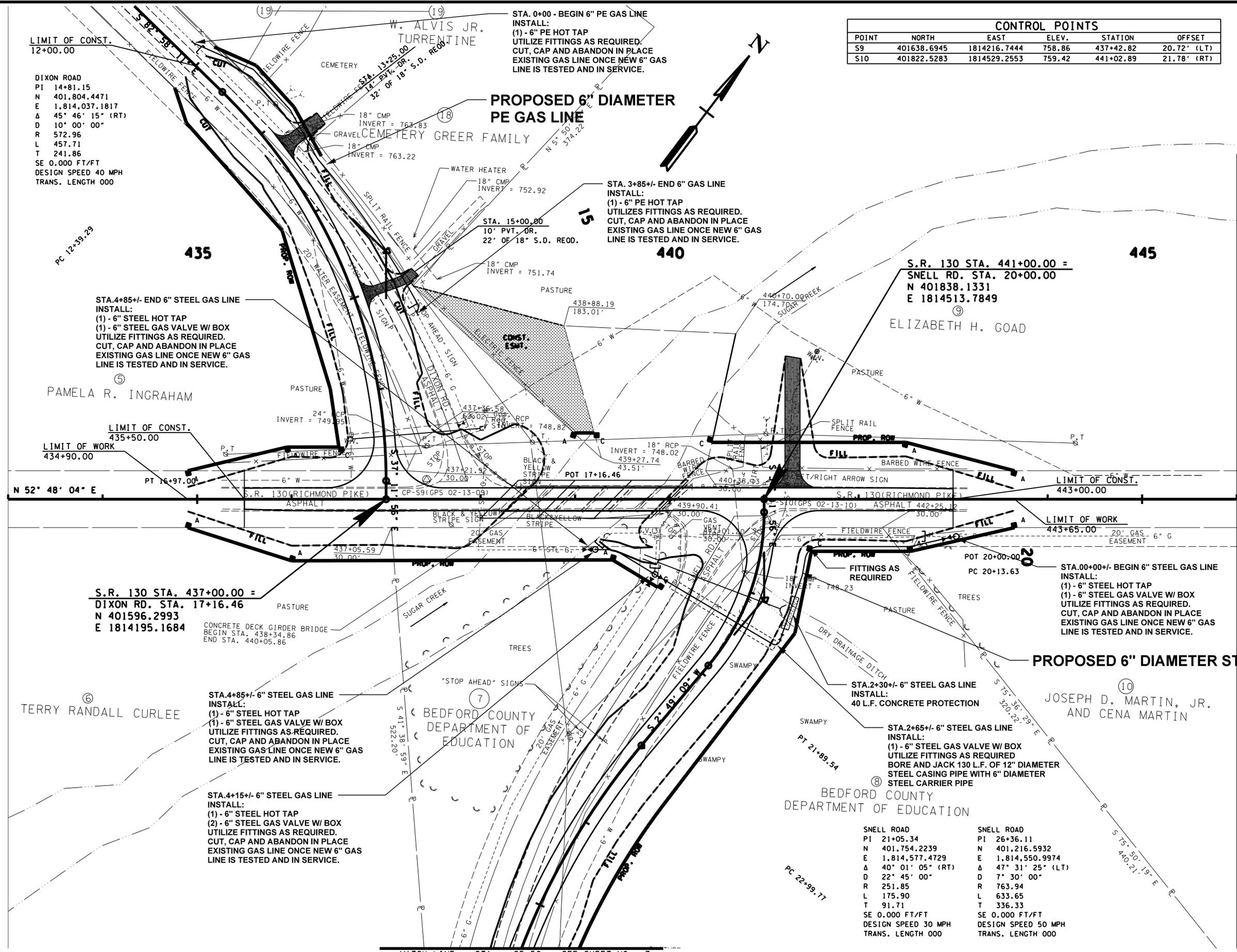
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED
QUANTITIES
AND NOTES

DIXON ROAD
PI 14+81.15
N 401,804.4471
E 1,814,037.1817
Δ 45° 46' 15" (RT)
D 10° 00' 00"
R 572.96
L 457.71
T 241.86
SE 0.000 FT/FT
DESIGN SPEED 40 MPH
TRANS. LENGTH 000

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
S9	401638.6945	1814216.7444	758.86	437+42.82	20.72' (LT)
S10	401822.5283	1814529.2553	759.42	441+02.89	21.78' (RT)

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	02014-3212-94	U4-2



STA. 4+85+/- END 6" STEEL GAS LINE
INSTALL:
(1) - 6" STEEL HOT TAP
(1) - 6" STEEL GAS VALVE W/ BOX
UTILIZE FITTINGS AS REQUIRED.
CUT, CAP AND ABANDON IN PLACE
EXISTING GAS LINE ONCE NEW 6" GAS
LINE IS TESTED AND IN SERVICE.

**PROPOSED 6" DIAMETER
PE GAS LINE**

STA. 3+85+/- END 6" GAS LINE
INSTALL:
(1) - 6" PE HOT TAP
UTILIZE FITTINGS AS REQUIRED.
CUT, CAP AND ABANDON IN PLACE
EXISTING GAS LINE ONCE NEW 6" GAS
LINE IS TESTED AND IN SERVICE.

PROPOSED 6" DIAMETER STEEL GAS LINE

STA. 00+00+/- BEGIN 6" STEEL GAS LINE
INSTALL:
(1) - 6" STEEL HOT TAP
(1) - 6" STEEL GAS VALVE W/ BOX
UTILIZE FITTINGS AS REQUIRED.
CUT, CAP AND ABANDON IN PLACE
EXISTING GAS LINE ONCE NEW 6" GAS
LINE IS TESTED AND IN SERVICE.

STA. 4+85+/- 6" STEEL GAS LINE
INSTALL:
(1) - 6" STEEL HOT TAP
(1) - 6" STEEL GAS VALVE W/ BOX
UTILIZE FITTINGS AS REQUIRED.
CUT, CAP AND ABANDON IN PLACE
EXISTING GAS LINE ONCE NEW 6" GAS
LINE IS TESTED AND IN SERVICE.

STA. 4+15+/- 6" STEEL GAS LINE
INSTALL:
(1) - 6" STEEL HOT TAP
(2) - 6" STEEL GAS VALVE W/ BOX
UTILIZE FITTINGS AS REQUIRED.
CUT, CAP AND ABANDON IN PLACE
EXISTING GAS LINE ONCE NEW 6" GAS
LINE IS TESTED AND IN SERVICE.

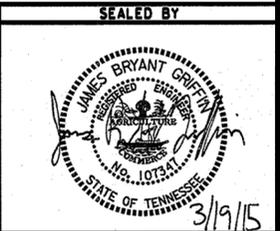
STA. 2+30+/- 6" STEEL GAS LINE
INSTALL:
40 L.F. CONCRETE PROTECTION

STA. 2+65+/- 6" STEEL GAS LINE
INSTALL:
(1) - 6" STEEL GAS VALVE W/ BOX
UTILIZE FITTINGS AS REQUIRED
BORE AND JACK 130 L.F. OF 12" DIAMETER
STEEL CASING PIPE WITH 6" DIAMETER
STEEL CARRIER PIPE

SNELL ROAD
PI 21+05.34
N 401,754.2239
E 1,814,577.4729
Δ 40° 01' 05" (RT)
D 22° 45' 00"
R 251.85
L 175.90
T 91.71
SE 0.000 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 000

SNELL ROAD
PI 26+36.11
N 401,216.5932
E 1,814,550.9974
Δ 47° 31' 25" (LT)
D 7° 30' 00"
R 763.94
L 633.65
T 336.33
SE 0.000 FT/FT
DESIGN SPEED 50 MPH
TRANS. LENGTH 000

MATCH LINE STA. 25+50 SEE SHEET NO. 7



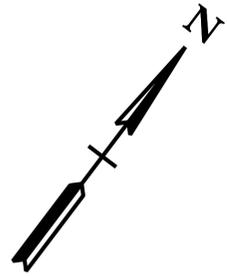
COORDINATES ARE NAD/83(1995),
ARE DATUM ADJUSTED BY THE
FACTOR OF 1.000060 AND TIED TO
THE TGRN. ALL ELEVATIONS ARE
REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**PROPOSED
GAS LINE**
S.R. 130
STA. 433+00 TO STA. 446+00
SCALE: 1"=50'

L.M. 8.30

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	02014-3212-94	U4-3



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TERRY RANDALL CURLEE

®
**BEDFORD COUNTY
 DEPARTMENT OF EDUCATION**

PROPOSED 6" DIAMETER STEEL GAS LINE

STA.00+00+/- BEGIN 6" STEEL GAS LINE
 INSTALL:
 (1) - 6" STEEL HOT TAP
 (1) - 6" STEEL GAS VALVE W/ BOX
 UTILIZE FITTINGS AS REQUIRED.
 CUT, CAP AND ABANDON IN PLACE
 EXISTING GAS LINE ONCE NEW 6" GAS
 LINE IS TESTED AND IN SERVICE.

INSTALL FITTINGS
 AS REQUIRED

72" CMP
 INVERT = 749.2

STA. 28+00.00
 16' FLD. ENT.
 NO S.D. REOD.

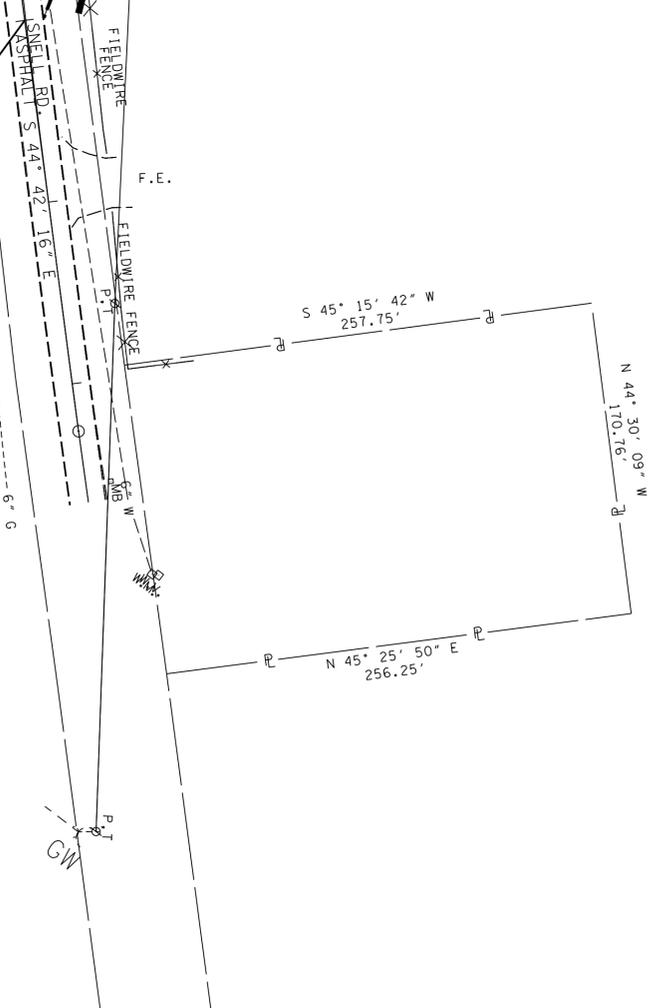
PROP. 6' X 3'
 BOX CULV.
 72" CMP
 INVERT = 750.36

INSTALL FITTINGS
 AS REQUIRED

STA.3+80+/- END 6" STEEL GAS LINE
 INSTALL:
 (1) - 6" STEEL HOT TAP
 (1) - 6" STEEL GAS VALVE W/ BOX
 UTILIZE FITTINGS AS REQUIRED.
 CUT, CAP AND ABANDON IN PLACE
 EXISTING GAS LINE ONCE NEW 6" GAS
 LINE IS TESTED AND IN SERVICE.

LIMIT OF CONST.
 30+00.00

MATCH LINE STA. 25+50 SEE SHEET NO. 6



25

30

PASTURE

PASTURE

7/30/2015 11:52:27 AM
 X:\DRAFT\DNBC\0211-326-TDOT\04-SHEETS\Gas Line\U4-3-GAS.dgn
 \$\$\$SYTIME\$\$\$\$\$\$
 \$\$\$DGN\$PC\$



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STATE OF TENNESSEE
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**PROPOSED
 GAS LINE**
 SNEED ROAD
 STA. 25+50 TO STA. 32+00
 SCALE: 1" = .50'

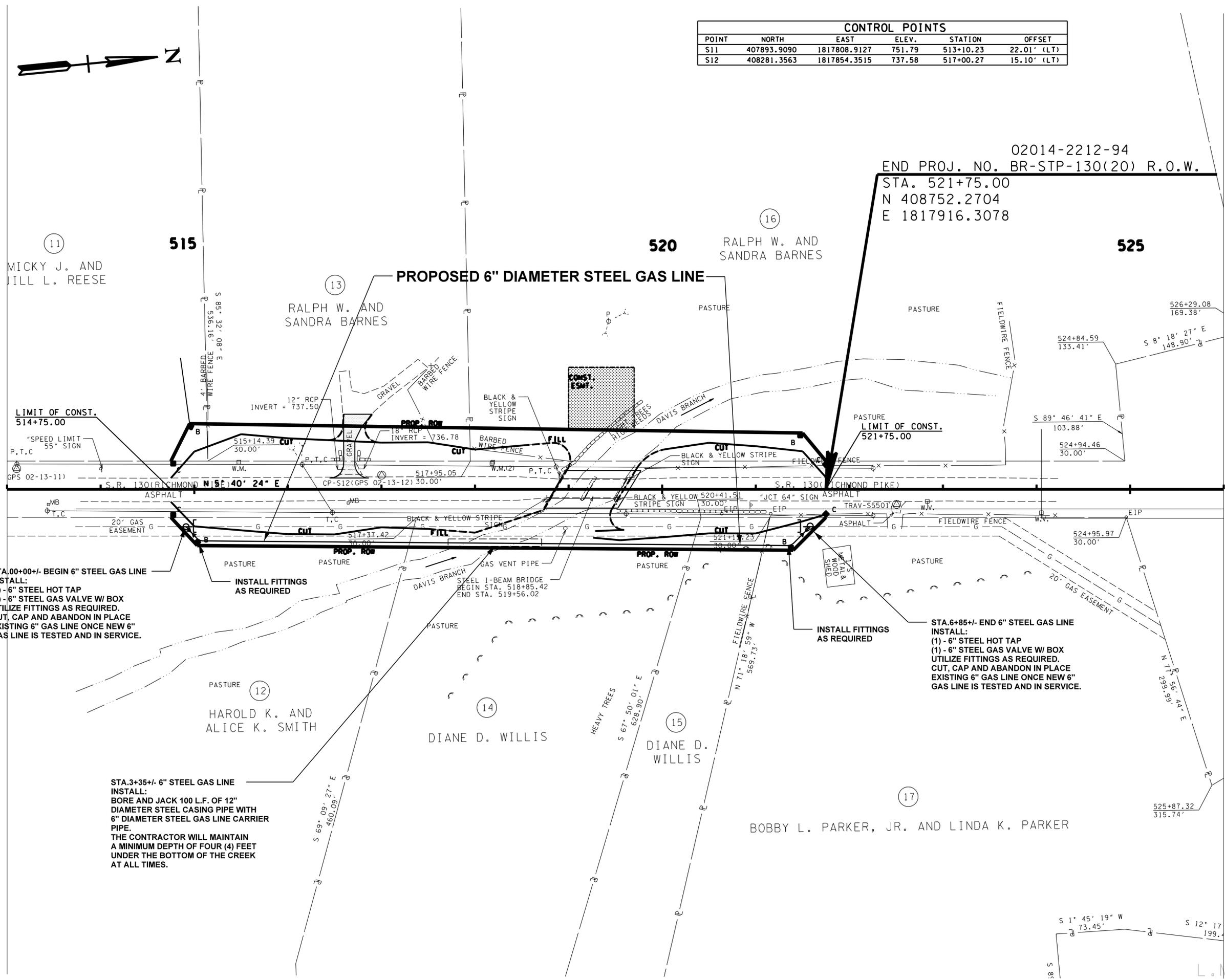
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	02014-3212-94	U4-4

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
S11	407893.9090	1817808.9127	751.79	513+10.23	22.01' (LT)
S12	408281.3563	1817854.3515	737.58	517+00.27	15.10' (LT)

02014-2212-94

END PROJ. NO. BR-STP-130(20) R.O.W.

STA. 521+75.00
N 408752.2704
E 1817916.3078



LIMIT OF CONST.
514+75.00

LIMIT OF CONST.
521+75.00

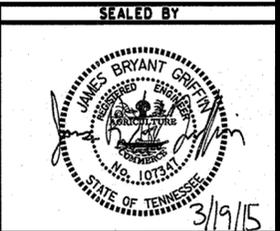
STA.00+00+/- BEGIN 6" STEEL GAS LINE
INSTALL:
(1) - 6" STEEL HOT TAP
(1) - 6" STEEL GAS VALVE W/ BOX
UTILIZE FITTINGS AS REQUIRED.
CUT, CAP AND ABANDON IN PLACE
EXISTING 6" GAS LINE ONCE NEW 6"
GAS LINE IS TESTED AND IN SERVICE.

INSTALL FITTINGS
AS REQUIRED

INSTALL FITTINGS
AS REQUIRED

STA.6+85+/- END 6" STEEL GAS LINE
INSTALL:
(1) - 6" STEEL HOT TAP
(1) - 6" STEEL GAS VALVE W/ BOX
UTILIZE FITTINGS AS REQUIRED.
CUT, CAP AND ABANDON IN PLACE
EXISTING 6" GAS LINE ONCE NEW 6"
GAS LINE IS TESTED AND IN SERVICE.

STA.3+35+/- 6" STEEL GAS LINE
INSTALL:
BORE AND JACK 100 L.F. OF 12"
DIAMETER STEEL CASING PIPE WITH
6" DIAMETER STEEL GAS LINE CARRIER
PIPE.
THE CONTRACTOR WILL MAINTAIN
A MINIMUM DEPTH OF FOUR (4) FEET
UNDER THE BOTTOM OF THE CREEK
AT ALL TIMES.



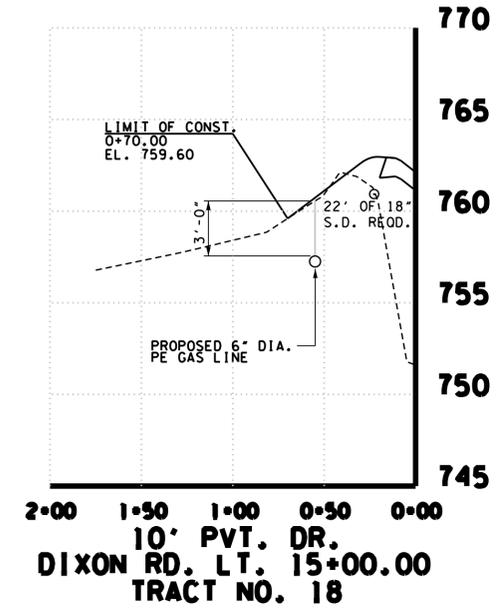
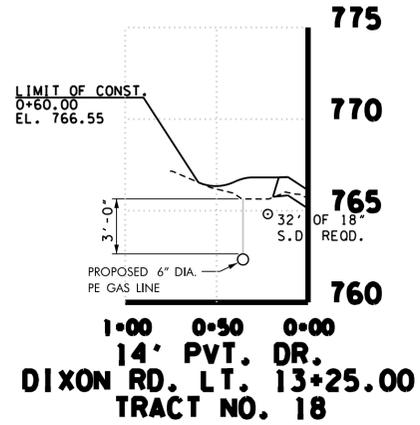
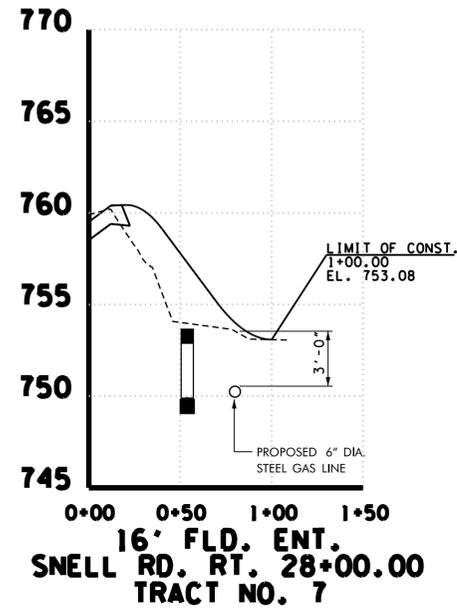
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**PROPOSED
GAS LINE**

S.R. 130
STA. 513+00 TO STA. 526+00
SCALE: 1"=50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	02014-3212-94	U4-5



STATION	0+53.50
STRUCTURE	29' of 6' X 3' BOX CULV.
SKEW	88° RT.
DRAINAGE AREA	131.5 AC.
DESIGN DISCHARGE (Q50)	137.1 CFS
DESIGN DISCHARGE (Q100)	145.2 CFS
OVERTOPPING ELEV.	753.08
ALLOWABLE HEADWATER ELEV.	
Q50 HEADWATER ELEV.	753.97
Q100 HEADWATER ELEV.	754.09
VELOCITY (Q50)	10.9 FT/S
VELOCITY (Q100)	11.0 FT/S
INLET ELEVATION	750.00
OUTLET ELEVATION	749.70
STANDARD DRAWING NUMBERS	STD-17-11, STD-17-51
CLASS "A" CONCRETE	41 C.Y.
STEEL BAR REINFORCING	6828 LB.
FOUNDATION FILL MATERIAL	C.Y.



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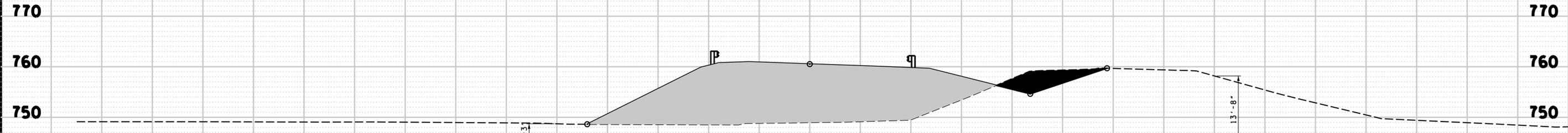
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRIVEWAY PROFILES

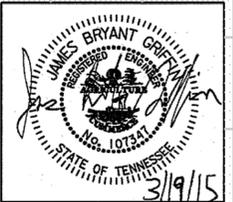
S.R. 130

SCALE: 1"=50' HORIZ.
1"=5' VERT.

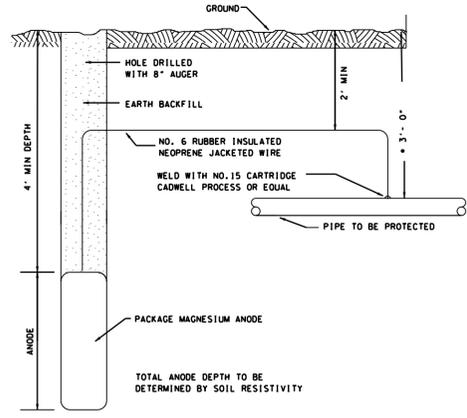
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	02014-3212-94	U4-6



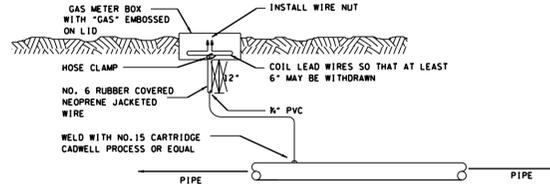
SNELL RD PROP
 21+00.00



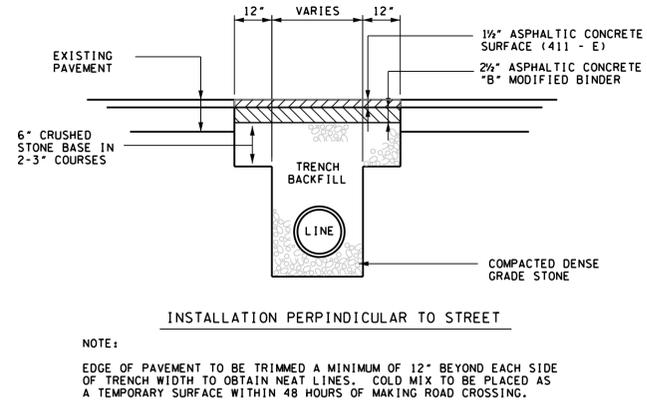
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	02014-3212-94	U4-7



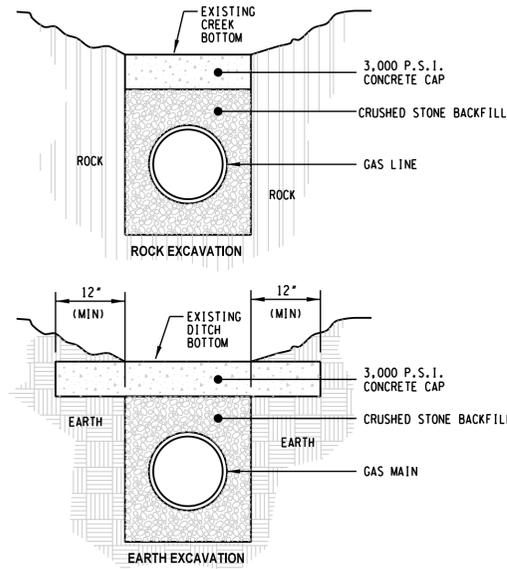
1 **MAGNESIUM ANODE INSTALLATION**
N. T. S.



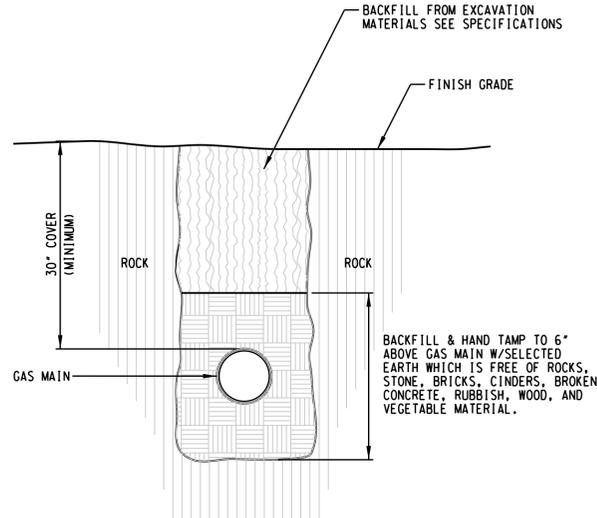
2 **TEST STATION**
N. T. S.



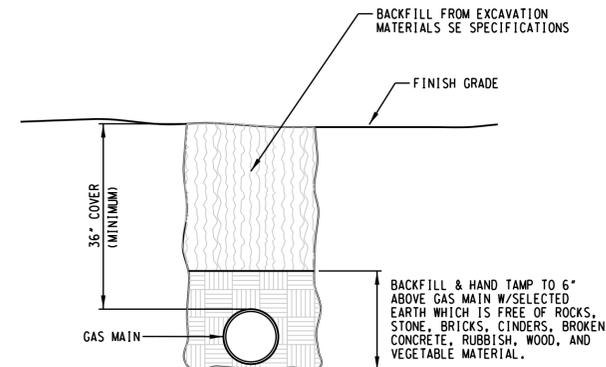
3 **PAVEMENT REPLACEMENT DETAIL**
(BITUMINOUS BASE WITH SURFACE)
N. T. S.



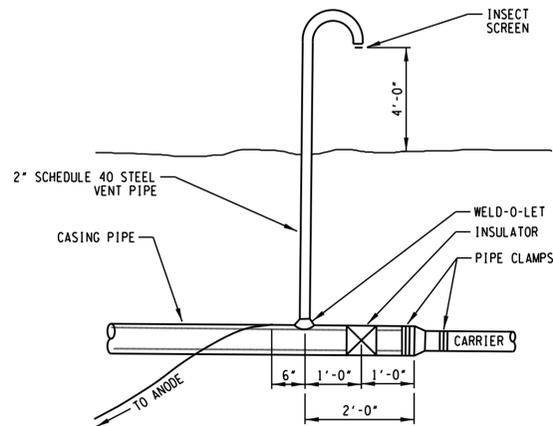
4 **CONCRETE CAP DETAIL**
N. T. S.



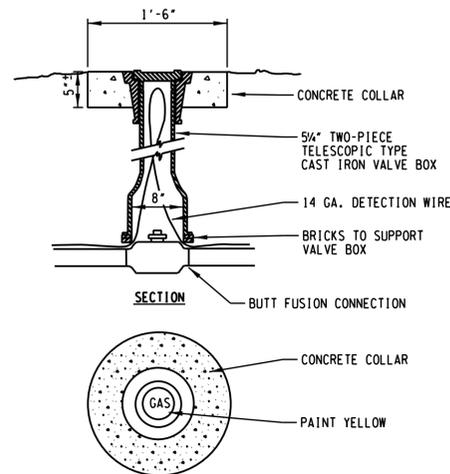
5 **TYPICAL TRENCH SECTION IN ROCK EXCAVATION**
N. T. S.



6 **TYPICAL TRENCH SECTION IN EARTH EXCAVATION**
N. T. S.

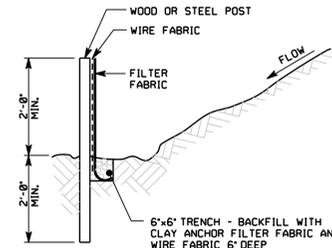


7 **TYPICAL END OF CASING DETAIL**
N. T. S.



NOTE:
IF AN EXTENSION IS
NECESSARY, USE A
LENGTH OF 6" SCHEDULE
40 PVC PIPE

8 **VALVE BOX DETAIL**
N. T. S.



- NOTES:
1. FILTER FABRIC FENCE TO BE PLACED PRIOR TO START OF ROUGH GRADING.
 2. STEEL POSTS SHALL BE APPROVED BY OWNER PRIOR TO USE.
 3. WOOD POSTS SHALL BE 2" x 2" MIN., OAK OR SIMILAR HARDWOOD.
 4. POSTS SHALL BE SPACED AT 6' INTERVALS.
 5. WIRE FABRIC & FILTER FABRIC SHALL BE SECURELY BOUND TO POSTS WITH EITHER STAPLES OR WIRE TIES.
 6. FILTER FABRIC SHALL BE POLYPROPYLENE FABRIC WITH EQUIVALENT OPENING SIZE (EOS) OF NO. 100 SIEVE MIN., NO. 40 SIEVE MAX., AS DETERMINED BY CORPS OF ENGINEERS GUIDE SPEC. CW 02215.

9 **SILT FENCE DETAIL**
N. T. S.



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DEPARTMENT OF TRANSPORTATION

**GAS LINE
DETAILS**

S.R. 130

SCALE: NTS

