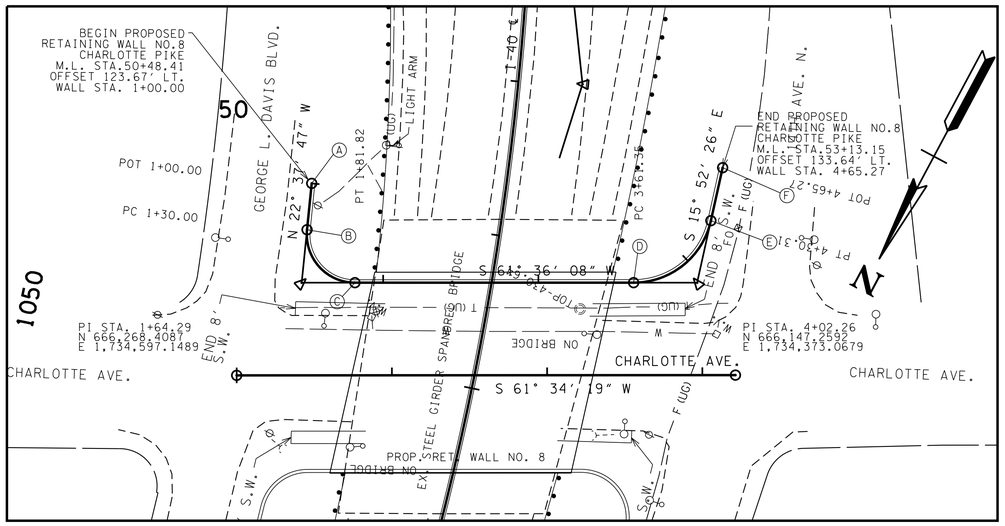
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	BH-I-40-4(86)	2W



PLAN VIEW OF RETAINING WALL NO.8

CONTROL POINT DATA

CP-S60

N 666,000.9472

E 1,734,511.5318

STA. 1052+68.76

OFFSET 57.51' RT.

NOTE : THE RETAINING WALL PAY QUANTITY IS BASED ON THE SURFACE AREA OF CONCRETE FROM THE APPROXIMATE TOP OF WALL TO A MINIMUM OF 2' BELOW THE EXISTING/PROPOSED GROUND LINE.

ESTIMATED QUANTITIES FOR RETAINING WALL

ITEM NO.	604-07.08
DESCRIPTION	RETAINING WALL NO.8 S.F.
QUANTITY	5,855 S.F.

THE RETAINING WALL PAY QUANTITY INCLUDES 18' REINFORCED SELECT BACKFILL USED IN ALL FILL LOCATIONS. ALSO INCLUDES REMOVAL OF EXISTING 1' OF TOPSOIL.

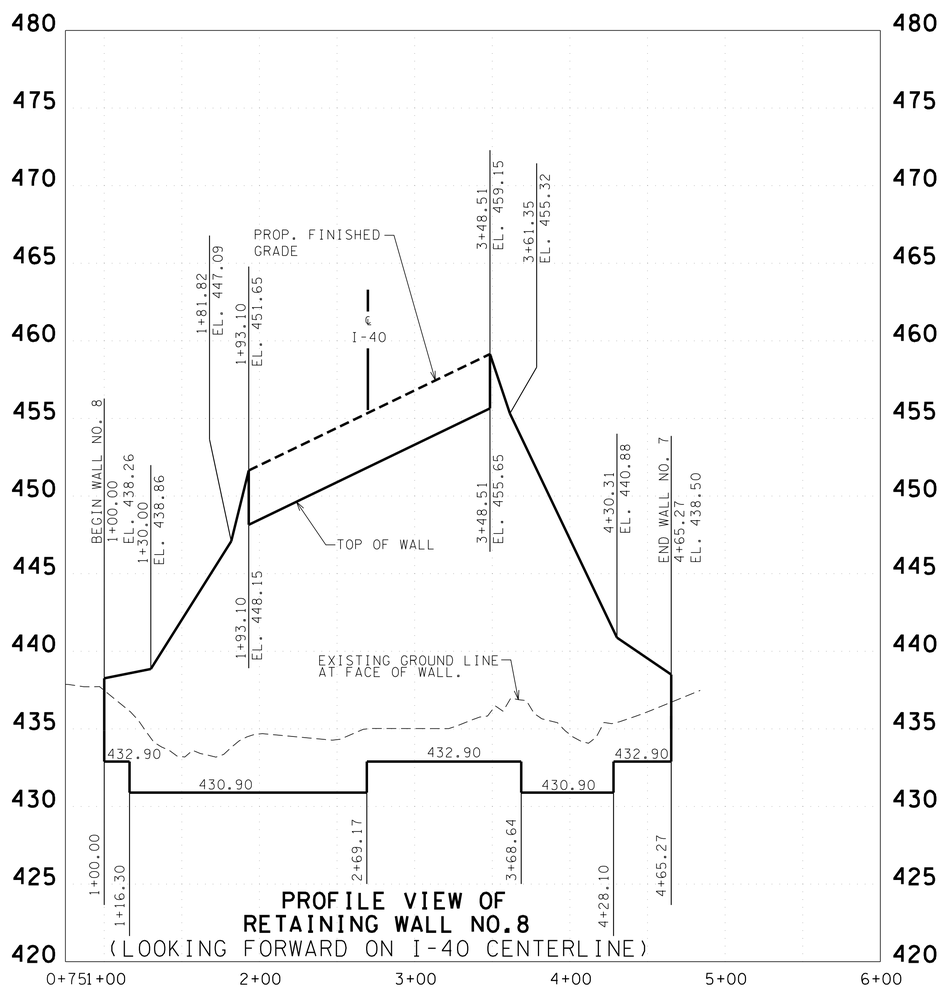
UNDERCUTTING AND BACKFILLING WITH GRANULAR MATERIAL, FILL OUTSIDE OF THE REINFORCED ZONE AND TEMPORARY SHORING REQUIRED FOR CONSTRUCTION OF THE WALL ARE PAID IN SEPARATE PAY ITEMS.

PROPOSED WALL NO.8 ALIGNMENT

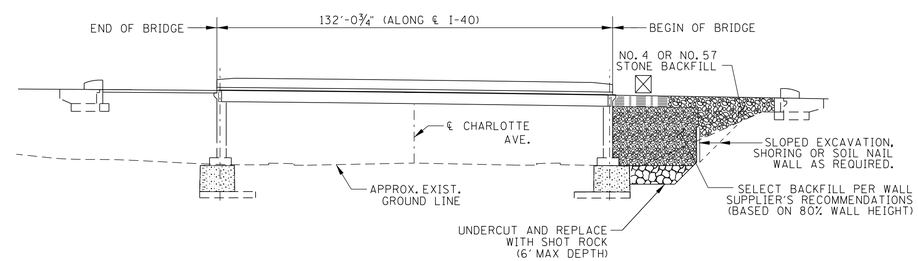
WALL STA.	CODE	LOCATION	M.L. STA.	N	E	M.L. OFFSET	FROM-TO	BEARING/RADIUS	LENGTH
1+00.00	(A)	CHARLOTTE	50+48.41	666,209.0690	1,734,621.8856	123.67' LT.	(A) - (B)	N 22°37'47" W	30.00'
1+30.00	(B)	CHARLOTTE	50+45.38	666,236.7593	1,734,610.3424	93.82' LT.	(B) - (C)	R=31.00'	51.82'
1+81.82	(C)	CHARLOTTE	50+76.21	666,252.1010	1,734,566.9857	59.69' LT.	(C) - (D)	S 61°36'08" W	179.53'
3+61.35	(D)	CHARLOTTE	52+55.74	666,166.7167	1,734,409.0587	59.60' LT.	(D) - (E)	R=51.00'	68.96'
4+30.31	(E)	CHARLOTTE	53+05.55	666,107.9052	1,734,384.2587	99.51' LT.	(E) - (F)	S 15°52'26" E	34.96'
4+65.27	(F)	CHARLOTTE	53+13.15	667,074.2736	1,734,393.8223	133.64' LT.			

WALL NO.8 LOCATION STAKE-OUT POINTS

RET. WALL BASELINE STATION	CHARLOTTE CENTERLINE STATION	N	E	CHARLOTTE CENTERLINE REFERENCE	TOP RET. WALL ELEVATION	BOTTOM RET. WALL ELEVATION
1+00.00	50+48.41	666,209.0690	1,734,621.8856	123.67' LT.	438.26	432.90
1+30.00	50+45.38	666,236.7593	1,734,610.3424	93.82' LT.	438.86	430.90
1+81.82	50+76.21	666,252.1010	1,734,566.9857	59.69' LT.	447.09	430.90
1+93.10	50+87.49	666,242.7343	1,734,557.0593	59.68' LT.	451.65	430.90
3+48.51	52+42.90	666,172.8230	1,734,420.3520	59.60' LT.	459.15	432.90
3+61.35	52+55.74	666,166.7167	1,734,409.0587	59.60' LT.	455.32	432.90
4+30.31	53+05.55	666,107.9052	1,734,384.2587	99.51' LT.	440.88	432.90
4+65.27	53+13.15	666,074.2736	1,734,393.8223	133.64' LT.	438.50	432.90



PROFILE VIEW OF RETAINING WALL NO.8
(LOOKING FORWARD ON I-40 CENTERLINE)



☒ NOTE: SLEEPER SLAB FOOTING FOR PAVEMENT AT BRIDGE ENDS MAY BE ELIMINATED WITH THE INSTALLATION GEOSYNTHETICALLY REINFORCED SOIL BACKFILL WITH BIAXIAL GEOGRID AT 4" LIFTS WITH SELECT BACKFILL.

SEE SHEETS 2X AND 2Y FOR ADDITONAL NOTES AND DETAILS

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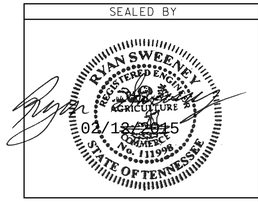

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00006 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RETAINING WALL CONCEPTUAL DRAWING

WALL NO. 8

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

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