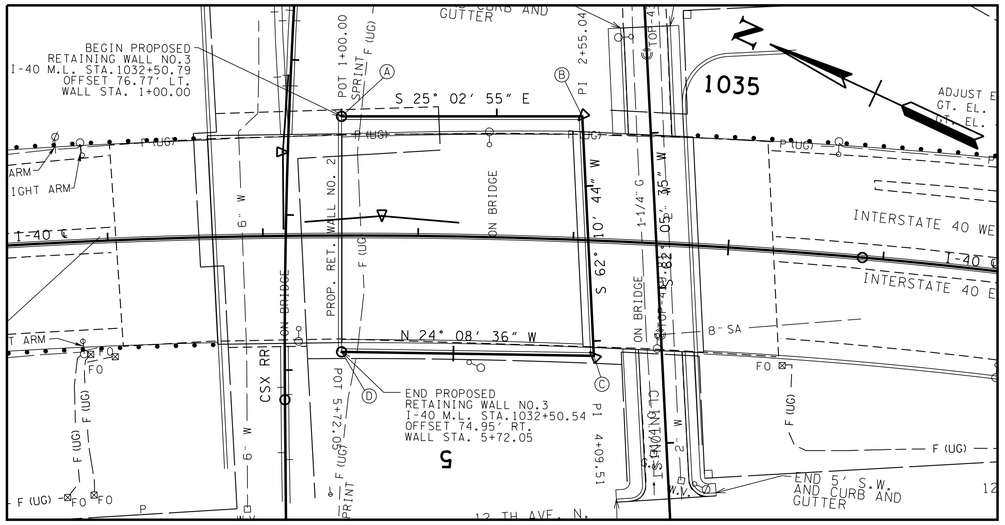
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	BH-I-40-4(86)	2R



PLAN VIEW OF RETAINING WALL NO.3

CONTROL POINT DATA

CP-S57
N 667,804.7441
E 1,734,066.5097
STA.1034+03.47
OFFSET 62.93' 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.

SEE RETAINING WALL 2 (SHEET 2Q) FOR DETAILS OF LIMITS OF REINFORCED CONCRETE WALL.

ESTIMATED QUANTITIES FOR RETAINING WALL

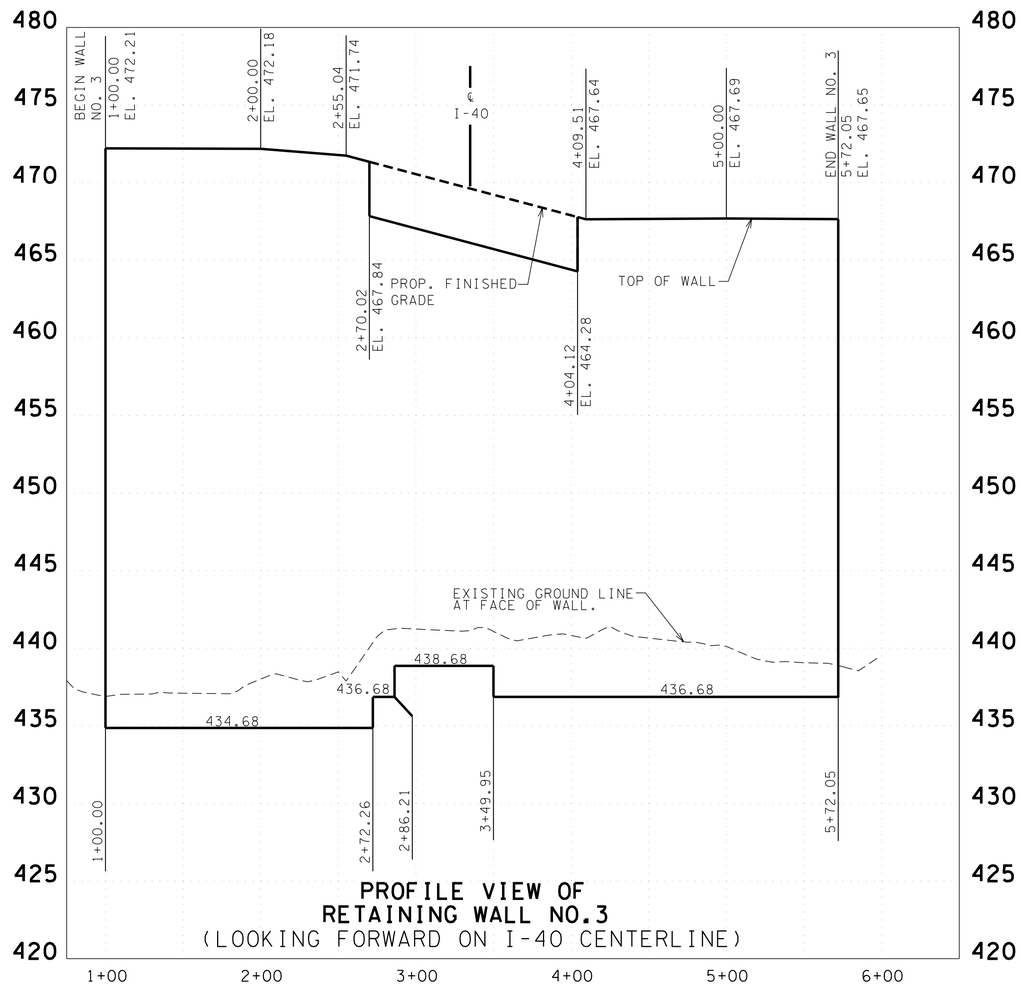
ITEM NO.	604-07.03
DESCRIPTION	RETAINING WALL NO.3 S.F.
QUANTITY	15,288 S.F.

THE RETAINING WALL PAY QUANTITY INCLUDES 26' REINFORCED SELECT BACKFILL USED IN ALL FILL LOCATIONS. ALSO INCLUDES REMOVAL OF EXISTING 1' OF TOPSOIL AND TEXTURE COATING (1700 SY).

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.3 ALIGNMENT

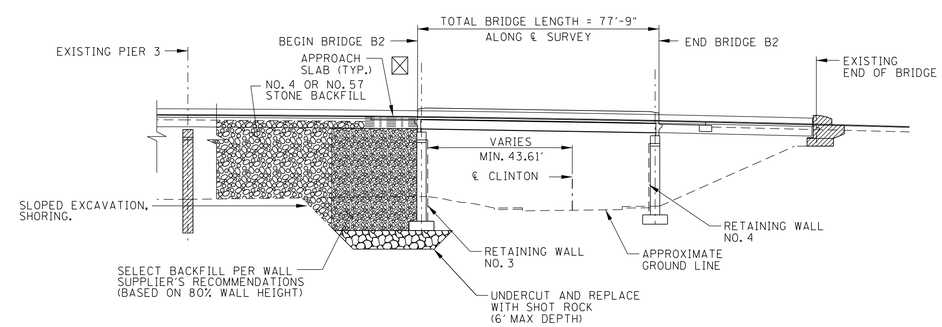
WALL STA.	CODE	LOCATION	M.L. STA.	N	E	M.L. OFFSET	FROM-TO	BEARING/RADIUS	LENGTH
1+00.00	Ⓐ	I-40	1032+50.79	668,001.2748	1,734,131.9114	76.77' LT.	Ⓐ - Ⓑ	S 25°02'55" E	155.04'
2+55.04	Ⓑ	I-40	1034+02.71	667,860.8134	1,734,197.5545	79.60' LT.	Ⓑ - Ⓒ	S 62°10'44" W	154.47'
4+09.51	Ⓒ	I-40	1034+16.32	667,788.7208	1,734,060.9413	74.27' RT.	Ⓒ - Ⓓ	N 24°08'36" W	162.54'
5+72.05	Ⓓ	I-40	1032+50.54	667,937.0388	1,733,994.4611	74.95' RT.			



PROFILE VIEW OF RETAINING WALL NO.3
(LOOKING FORWARD ON I-40 CENTERLINE)

WALL NO.3 LOCATION STAKE-OUT POINTS

RET. WALL BASELINE STATION	I-40 CENTERLINE STATION	N	E	I-40 CENTERLINE REFERENCE	TOP RET. WALL ELEVATION	BOTTOM RET. WALL ELEVATION
1+00.00	1032+50.79	668,001.2748	1,734,131.9114	76.77' LT.	472.21	434.68
2+00.00	1033+48.80	667,910.6798	1,734,174.2500	77.89' LT.	472.18	434.68
2+55.04	1034+02.71	668,860.8134	1,734,197.5545	79.60' LT.	471.74	434.68
3+00.00	1034+06.56	667,839.8315	1,734,157.7944	34.81' LT.	467.05	438.68
4+00.00	1034+15.45	667,793.1601	1,734,069.3536	64.80' RT.	464.39	436.68
4+09.51	1034+16.32	667,788.7208	1,734,060.9413	74.27' RT.	467.64	436.68
5+00.00	1033+24.03	667,871.2936	1,734,023.9299	75.52' RT.	467.69	436.68
5+72.05	1032+50.54	667,937.0388	1,733,994.4611	74.95' RT.	467.65	436.68



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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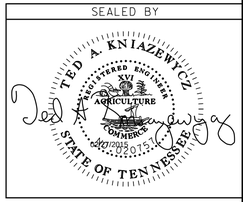

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00006 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RETAINING WALL CONCEPTUAL DRAWING

WALL NO. 3

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

3/9/2015 9:41:30 AM
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