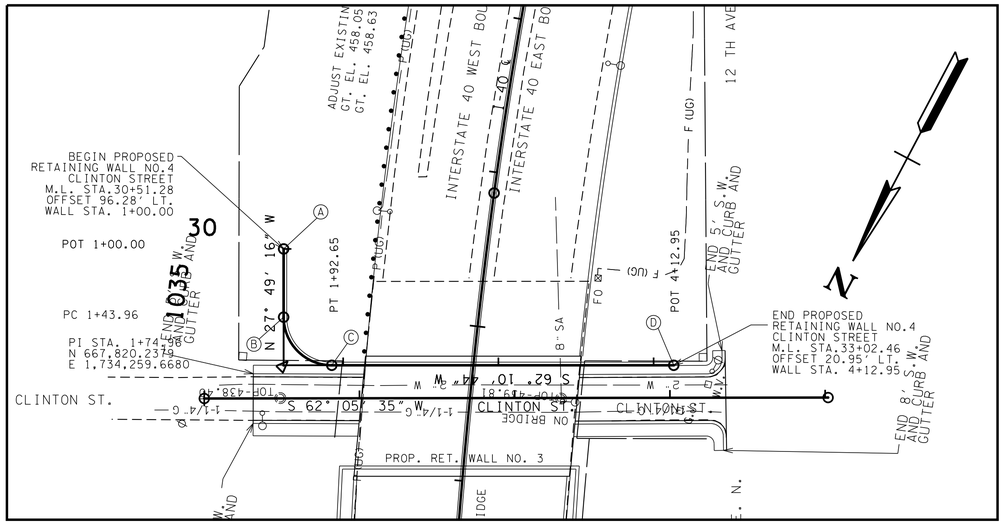
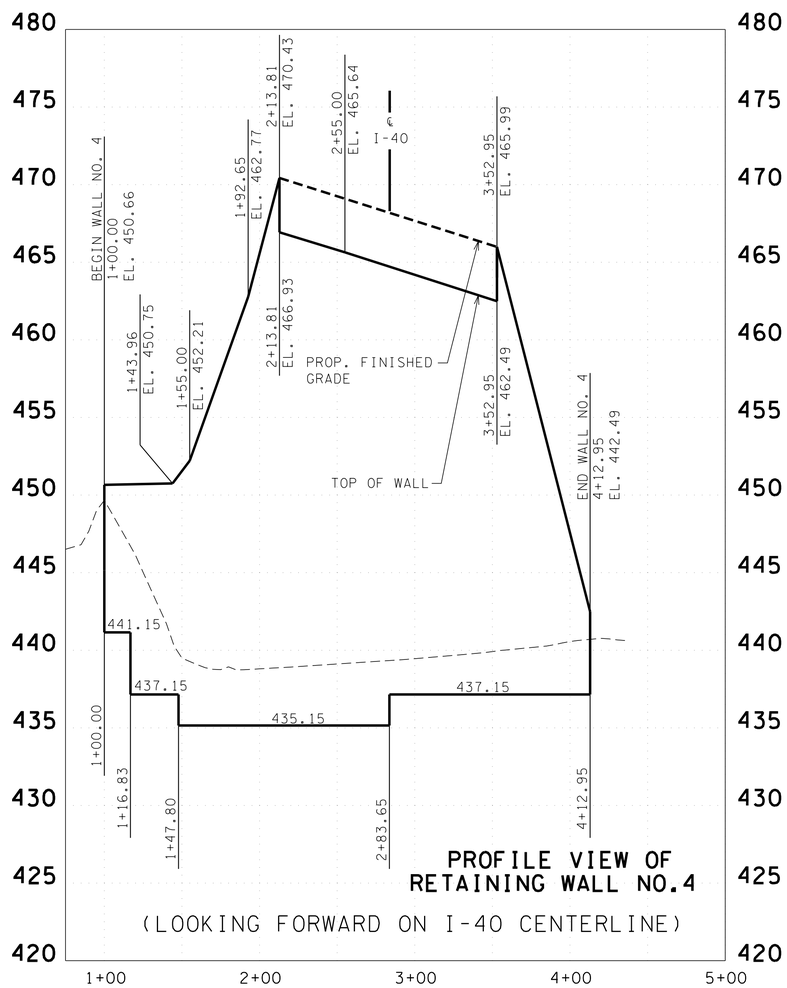
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	BH-I-40-4(86)	2S



PLAN VIEW OF RETAINING WALL NO.4



PROFILE VIEW OF RETAINING WALL NO.4

(LOOKING FORWARD ON I-40 CENTERLINE)

ESTIMATED QUANTITIES FOR RETAINING WALL

ITEM NO.	604-07.04
DESCRIPTION	RETAINING WALL NO.4 S.F.
QUANTITY	7,208 S.F.

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.

THE RETAINING WALL PAY QUANTITY INCLUDES 24' REINFORCED SELECT BACKFILL USED IN ALL FILL LOCATIONS. ALSO INCLUDES REMOVAL OF EXISTING 1' OF TOPSOIL AND TEXTURE COATING (800 S.Y.).

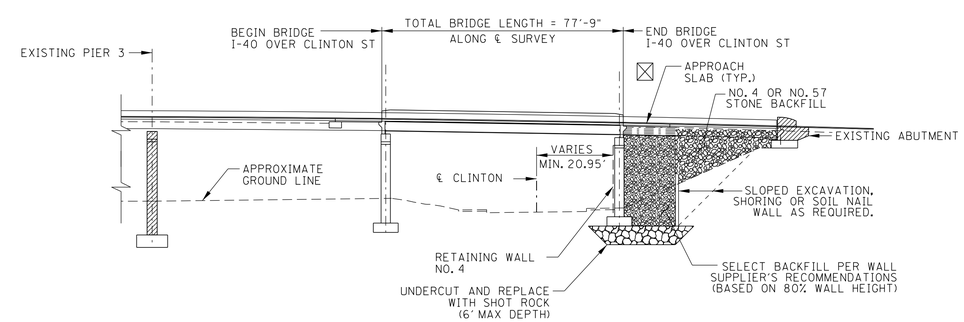
UNDERCUTTING AND BACKFILLING WITH GRANULAR MATERIAL, FILL OUTSIDE OF THE REINFORCED ZONE AND TEMPORARY SHORING REQUIRED FOR CONSTRUCTION OF THE WALL ARE PAID IN SEPARATE PAY ITEMS.

PROPOSED WALL NO.4 ALIGNMENT

WALL STA.	CODE	LOCATION	M.L. STA.	N	E	M.L. OFFSET	FROM-TO	BEARING/RADIUS	LENGTH
1+00.00	Ⓐ	CLINTON	30+51.28	667,753.9444	1,734,294.6519	96.28' LT.	Ⓐ - Ⓑ	N 27°49'16" W	43.96'
1+43.96	Ⓑ	CLINTON	30+51.22	667,792.8212	1,734,274.1361	52.32' LT.	Ⓑ - Ⓒ	R=31.00'	48.69'
1+92.65	Ⓒ	CLINTON	30+82.17	667,805.7698	1,734,232.2513	21.27' LT.	Ⓒ - Ⓓ	S 62°10'44" W	220.29'
4+12.95	Ⓓ	CLINTON	33+02.46	667,702.9559	1,734,037.4224	20.95' LT.			

WALL NO.4 LOCATION STAKE-OUT POINTS

RET. WALL BASELINE STATION	CLINTON CENTERLINE STATION	N	E	CLINTON CENTERLINE REFERENCE	TOP RET. WALL ELEVATION	BOTTOM RET. WALL ELEVATION
1+00.00	30+51.28	667,753.9444	1,734,294.6519	96.28' LT.	450.66	441.15
1+43.96	30+51.22	667,792.8212	1,734,274.1361	52.32' LT.	450.75	437.15
1+55.00	30+53.15	667,801.4735	1,734,267.3700	41.51' LT.	452.21	435.15
1+92.65	30+82.17	667,805.7698	1,734,232.2513	21.27' LT.	462.77	435.15
2+13.81	31+03.33	667,795.8952	1,734,213.5394	21.24' LT.	470.43	435.15
2+55.00	31+44.52	667,776.6714	1,734,177.1108	21.18' LT.	465.64	435.15
3+52.95	32+42.46	667,730.9587	1,734,090.4869	21.03' LT.	465.99	437.15
4+12.95	33+02.46	667,702.9559	1,734,037.4224	20.95' LT.	442.49	437.15



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.

CONTROL POINT DATA

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

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

SEALED BY

COORDINATES ARE NAD/B3(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. 4

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

2/12/2015 4:42:18 PM
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