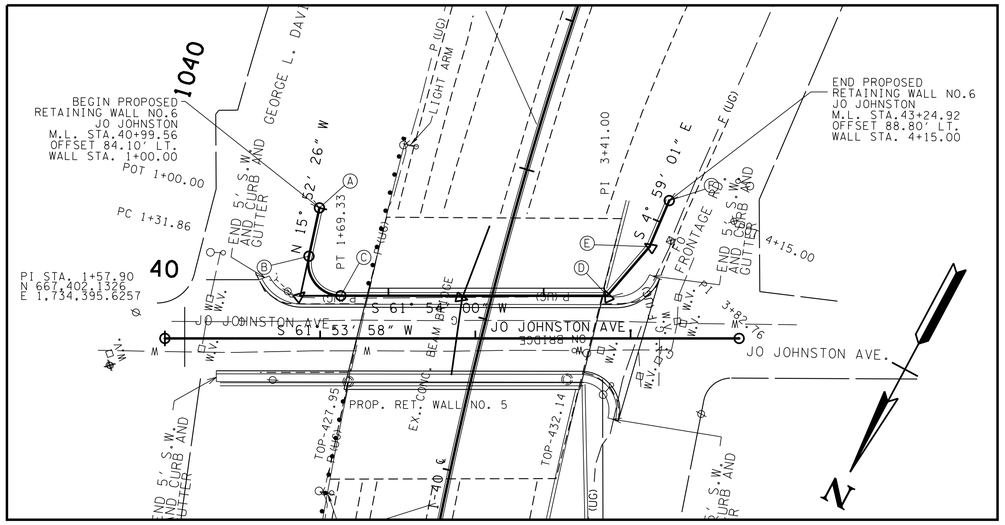
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	BH-I-40-4(86)	2U



PLAN VIEW OF RETAINING WALL NO.6

CONTROL POINT DATA

CP-S59
N 666,900.3365
E 1,734,309.3574
STA.1043+59.22
OFFSET 51.18' 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.	604-07.06
DESCRIPTION	RETAINING WALL NO.6 S.F.
QUANTITY	5,817 S.F.

THE RETAINING WALL PAY QUANTITY INCLUDES 22' REINFORCED SELECT BACKFILL USED IN ALL FILL LOCATIONS. ALSO INCLUDES REMOVAL OF EXISTING 1' OF TOPSOIL AND TEXTURE COATING (540 SY).

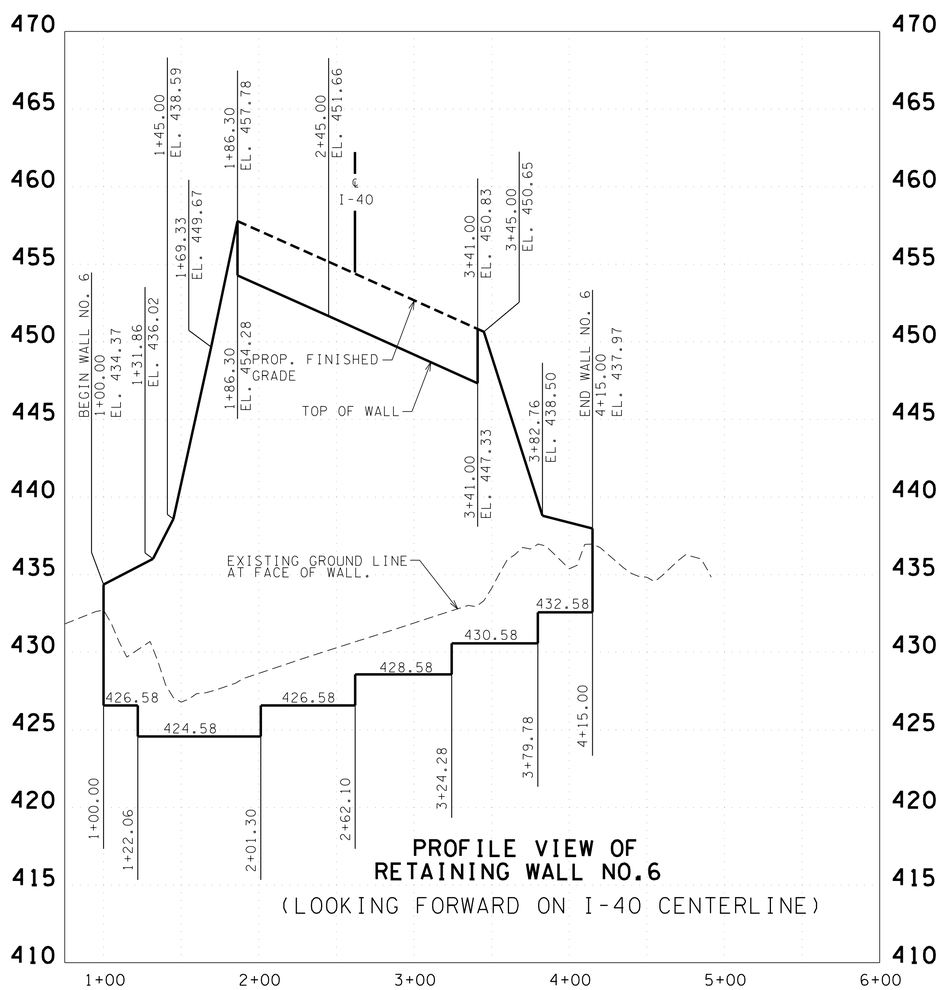
UNDERCUTTING AND BACKFILLING WITH GRANULAR MATERIAL, FILL OUTSIDE OF THE REINFORCED ZONE AND TEMPORARY SHORING REQUIRED FOR CONSTRUCTION OF THE WALL ARE PAID IN SEPARATE PAY ITEMS.

PROPOSED WALL NO.6 ALIGNMENT

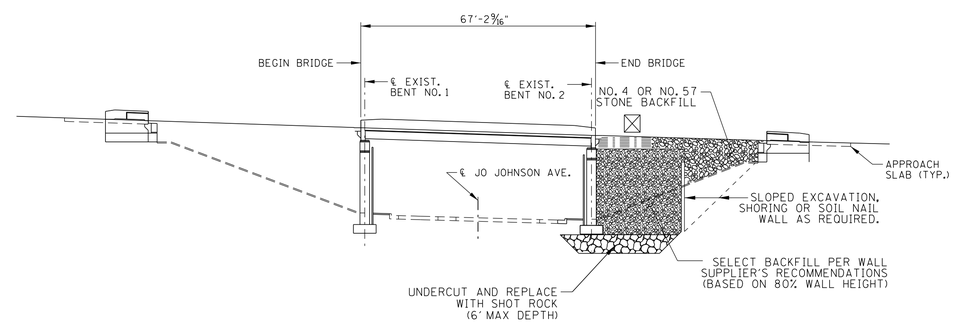
WALL STA.	CODE	LOCATION	M.L. STA.	N	E	M.L. OFFSET	FROM-TO	BEARING/RADIUS	LENGTH
1+00.00	(A)	JO JOHNSTON	40+99.56	667,346.4443	1,734,411.4614	84.10' LT.	(A) - (B)	N 15°52'26" W	31.86'
1+31.86	(B)	JO JOHNSTON	40+92.81	667,377.0878	1,734,402.7475	52.96' LT.	(B) - (C)	R=21.00'	37.47'
1+69.33	(C)	JO JOHNSTON	41+13.33	667,389.8685	1,734,372.6571	27.52' LT.	(C) - (D)	S 61°54'00" W	171.68'
3+41.00	(D)	JO JOHNSTON	42+85.01	667,309.0069	1,734,221.2164	27.52' LT.	(D) - (E)	S 12°38'37" W	41.76'
3+82.76	(E)	JO JOHNSTON	43+12.27	667,268.2583	1,734,212.0755	59.16' LT.	(E) - (F)	S 04°59'01" E	32.24'
4+15.00	(F)	JO JOHNSTON	43+24.92	667,236.1448	1,734,214.8758	88.80' LT.			

WALL NO.6 LOCATION STAKE-OUT POINTS

RET. WALL BASELINE STATION	JO JOHNSTON CENTERLINE STATION	N	E	JO JOHNSTON CENTERLINE REFERENCE	TOP RET. WALL ELEVATION	BOTTOM RET. WALL ELEVATION
1+00.00	40+99.56	667,346.4443	1,734,411.4614	84.10' LT.	434.37	426.58
1+31.86	40+92.81	667,377.0878	1,734,402.7475	52.96' LT.	436.02	424.58
1+45.00	40+94.09	667,387.8308	1,734,395.553	40.10' LT.	438.59	424.58
1+69.33	41+13.33	667,389.8685	1,734,372.6571	27.52' LT.	449.67	424.58
1+86.30	41+30.31	667,381.8717	1,734,357.6802	27.52' LT.	457.78	424.58
2+45.00	41+89.01	667,354.2254	1,734,305.9032	27.52' LT.	451.66	426.58
3+41.00	42+85.01	667,309.0069	1,734,221.2164	27.52' LT.	450.83	430.58
3+45.00	42+87.62	667,305.1068	1,734,220.3415	30.54' LT.	450.65	430.58
3+82.76	43+12.27	667,268.2583	1,734,212.0755	59.16' LT.	438.50	432.58
4+15.00	43+24.92	667,236.1448	1,734,214.8758	88.80' LT.	437.97	432.58



PROFILE VIEW OF RETAINING WALL NO.6
(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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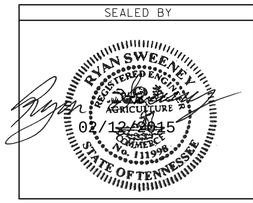

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00006 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RETAINING WALL CONCEPTUAL DRAWING
WALL NO. 6

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

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