

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, SOIL ANALYSIS TEST	2 EACH
659, TOPSOIL	6,020 CU. YD.
659, SEEDING AND MULCHING	54,238 SQ. YD.
659, REPAIR SEEDING AND MULCHING	2,712 SQ. YD.
659, INTER-SEEDING	2,712 SQ. YD.
659, COMMERCIAL FERTILIZER	7.57 TON
659, LIME	11.21 ACRES
659, WATER	300 M GALS
659, MOWING	122 SQ. FT.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH A SHEET OF TYPE G REFLECTIVE SHEETING, PER CMS 730.19.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL

WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A "W-BEAM RAIL SPLICE" AS SHOWN IN AASHTO M 180. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

PART WIDTH CONSTRUCTION

BECAUSE OF THE NECESSITY TO BUILD THIS PROJECT UNDER TRAFFIC AND TO CONSTRUCT THE FULL PAVEMENT WIDTH IN STAGES, EXERCISE CARE TO PREVENT THE CONSTRUCTION OF A BUTT JOINT IN THE BASE COURSES. LAP LONGITUDINAL JOINTS AS SHOWN ON STANDARD DRAWING BP-3.1.

ITEM 206 - MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS, AS PER PLAN

OBTAIN SOIL SAMPLES AS OUTLINED IN SUPPLEMENT 1120 FOLLOWING EXCAVATION OR EMBANKMENT PLACEMENT TO THE DESIGN SUBGRADE LEVEL. THE SOIL SAMPLES FOR SUPPLEMENT 1120 TESTING ARE TO BE OBTAINED FROM THE ACTUAL SUBGRADE SOILS. SAMPLING OF THE SOILS OUTSIDE THE ACTUAL STABILIZATION LIMITS OR FROM A BORROW AREA IS PROHIBITED. THE CONSTRUCTION SCHEDULE SHALL INCLUDE SPECIFIC ACTIVITIES FOR SAMPLING AND TESTING OF THE SUBGRADE SOILS FOR ALL PHASES OR PARTIAL PHASES OF CONSTRUCTION. PERFORM THE MIXTURE DESIGN PROCEDURE FOR EACH PHASE AS OUTLINED IN SUPPLEMENT 1120. DURING CONSTRUCTION, OBTAIN FIELD VERIFICATION SAMPLES FOR EACH PHASE OF CONSTRUCTION AND SUBMIT THE TEST RESULTS FOR EACH PHASE AS THE LABORATORY TESTING IS COMPLETE.

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING. SEE PLAN SHEET 159 FOR ADDITIONAL INFORMATION.

ITEM 204 - PROOF ROLLING 30 HOURS.

PROTECTION OF RIGHT-OF-WAY LANDSCAPING

PRIOR TO BEGINNING WORK, THE CONTRACTOR, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY WILL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT OF WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS) A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE.

CONSTRUCT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL, THE CONSTRUCTION LIMITS ARE IDENTIFIED AS 30 FEET FROM THE EDGE OF PAVEMENT.

SUBMIT A WRITTEN REQUEST TO THE PROJECT ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. EXCEPT AS INDICATED ON SHEET --- USE OF THESE AREAS FOR DISPOSAL OF WASTE MATERIAL AND CONSTRUCTION DEBRIS, EXCAVATION OF BORROW MATERIAL AND PLACEMENT OF PORTABLE PLANTS IS PROHIBITED. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS AS DEFINED ABOVE WILL BE REPLACED IN KIND OR AS APPROVED BY THE PROJECT ENGINEER.

BENCHING OF FOUNDATION SLOPES

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN 203.05. NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF 203.05.

ITEM 202 - BUILDING DEMOLISHED, AS PER PLAN

REMOVAL AND DEMOLITION OF THE STRUCTURE SHALL INCLUDE REMOVAL OF ALL FOOTINGS, FLOOR SLABS, BASEMENT WALLS, UNDERGROUND TANKS AND ANY OTHER BELOW GRADE ITEMS. THE STRUCTURE SHALL BE REMOVED ENTIRELY. REMOVE AND DISPOSAL OF ALL STRUCTURE DEBRIS OFF-SITE. BACKFILL THE STRUCTURE VOID ACCORDING TO CMS 202.02.

ITEM 204 - ENBANKMENT, AS PER PLAN

ANY NEW EMBANKMENT REQUIRED TO ESTABLISH THE UPPER 12" OF THE DESIGN PAVEMENT SUBGRADE SHALL CONSIST OF NATURAL SOIL. THE NATURAL SOIL SHALL CONSIST OF COHESIVE MATERIAL CLASSIFYING AS A-7-6 OR A-6B PER THE ODOT SOIL CLASSIFICATION SYSTEM AND SHALL HAVE A PLASTICITY INDEX OF 16% OR GREATER. THE ITEM 204 EMBANKMENT, AS PER PLAN SHALL ALSO MEET THE SULFATE REQUIREMENTS OUTLINED IN SUPPLEMENT 1120. ALL OTHER ITEMS OUTLINED IN ITEM 204 SHALL APPLY TO THIS PAY ITEM. SHALE AND LIMESTONE BEDROCK EXCAVATED IN THE PROJECT AREA SHALL NOT BE UTILIZED AS EMBANKMENT WITHIN THE UPPER 12" OF THE DESIGN PAVEMENT SUBGRADE.

ITEM 619 - FIELD OFFICE, TYPE C, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS PROVIDED IN CMS FOR THE TYPE OF FIELD OFFICE SPECIFIED, PROVIDE THE FOLLOWING ITEMS:

[1] FOR EACH TELEPHONE AND/OR COMPUTER STATION SPECIFIED, PROVIDE ALL ETHERNET WIRING NECESSARY TO CONNECT THE PHONE AND/OR COMPUTER AND MULTI-FUNCTION COPIER TO THE INTERNET COMPANY SYSTEM.

[5] PROVIDE A BROADBAND INTERNET CONNECTION CAPABLE OF MINIMUM DOWNLOAD SPEEDS AS FOLLOWS:

30 MBPS DOWNLOAD 5 MBPS UPLOAD - NETWORK LATENCY LESS THAN 50 MILLISECONDS. IF SPEEDS ARE NOT AVAILABLE THROUGH AN INDIVIDUAL OR SINGULAR CIRCUIT, PROVIDE THE HIGHEST SPEED AVAILABLE IN THE AREA AND INSTALL MULTIPLE CIRCUITS TO ACHIEVE THE SPECIFIED SPEEDS. WHEN MULTIPLE BROADBAND SERVICES ARE AVAILABLE, THE FOLLOWING IS THE DESCENDING ORDER OF PRECEDENCE: CABLE, DSL, CELLULAR, AND WIRELESS RADIO (SATELLITE COMMUNICATION IS NOT COMPATIBLE WITH ODOT VPN CONNECTION AND WILL NOT BE ACCEPTED). SUPPLY MODEMS CAPABLE OF BEING CONFIGURED IN BRIDGE MODE. IF A CELLULAR NETWORK IS USED, PROVIDE THE CELLULAR EQUIPMENT, INCLUDING SOFTWARE AND ROUTER EQUIPMENT TO CONNECT TO THE ODOT PROVIDED CISCO ASA 5505 FIREWALL. SUPPLY ODOT WITH ALL DOCUMENTATION FOR THE BROADBAND CIRCUIT INCLUDING ALL USERNAME/USER IDS, PASSWORDS AND ACCOUNT INFORMATION. VERIFY THAT THE BROADBAND INTERNET CONNECTION IS ACTIVE AND WORKING AS SPECIFIED. ODOT IT PERSONNEL WILL CONFIRM THAT BANDWIDTH AND NETWORK LATENCY ARE COMPLIANT WITH THE REQUIRED FIELD OFFICE SPECIFICATIONS. ALL FIELD OFFICE INTERNET CONNECTIONS ARE FOR ODOT USE ONLY.

PHASING JOINT

THE FOLLOWING QUANTITIES HAVE BEEN CALCULATED TO ACCOUNT FOR THE PHASING JOINT LOCATED AT ALL SAWCUT LINES.

SAWCUT LENGTH = 13,292' (SEE TYPICAL SECTIONS FOR LOCATIONS)

ITEM 202, PAVEMENT REMOVED = 1,846 SY

ITEM 442 ASPHALT CONCRETE SURFACE COURSE = 77 CY

ITEM 442, ASPHALT CONCRETE INTERMEDIATE COURSE = 72 CY

ITEM 302, ASPHALT CONCRETE BASE COURSE = 308 CY

CALCULATED
MSW
CHECKED
WAA

GENERAL NOTES

CLE-32-3.50
(PHASE 5)

ITEM 614 - MAINTAINING TRAFFIC (CONT'D)

DELINEATION OF PORTABLE AND PERMANENT BARRIER

BARRIER REFLECTORS AND OBJECT MARKERS SHALL BE INSTALLED ON ALL PORTABLE BARRIER (PB) USED FOR TRAFFIC CONTROL AND ON PERMANENT CONCRETE BARRIER (INCLUDING BRIDGE PARAPETS) LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE.

BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THE SPACING SHALL BE AS PER TRAFFIC SCD MT-101.70. OBJECT MARKERS AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614.03 AND SCD MT-101.70. WHEN THE PB CONTAINS GLARE SCREEN, ONE SET OF THREE VERTICAL STRIPES OF SHEETING SHALL BE CONSIDERED EQUIVALENT TO AN OBJECT MARKER, ONE-WAY.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE 1 (ONE-WAY) 1519 EACH
 ITEM 614, OBJECT MARKER, ONE-WAY 1669 EACH

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING EACH OF THE ABOVE ITEMS.

ITEM 614 LONGITUDINAL CHANNELIZER

LONGITUDINAL CHANNELIZERS SHALL BE PROVIDED AS CALLED FOR IN THE PLANS. A LONGITUDINAL CHANNELIZER CONSISTS OF A COMBINATION OF VERTICAL COMPONENTS AND LONGITUDINAL BASE COMPONENTS, FIT TOGETHER TO CREATE A CONTINUOUS CHANNELIZING DEVICE, AS DETAILED IN TRAFFIC PIS 2010180. USE OF TUBULAR MARKERS, AS IDENTIFIED IN THE

OMUTCD, FIGURE 6F-7, SHALL NOT QUALIFY FOR USE AS A LONGITUDINAL CHANNELIZER.

THE VERTICAL COMPONENT SHALL BE EQUIPPED WITH TWO 3-INCH WIDE RETRO-REFLECTIVE BANDS, PLACED A MAXIMUM OF 2 INCHES FROM THE TOP, WITH A MAXIMUM OF 6 INCHES BETWEEN THE BANDS. THE LONGITUDINAL BASE COMPONENTS SHALL BE EQUIPPED WITH REFLECTORS.

LONGITUDINAL CHANNELIZERS SHALL COMPLY WITH THE REQUIREMENTS CONTAINED WITHIN TRAFFIC PIS 2010180.

FURNISH LONGITUDINAL CHANNELIZERS FROM THE APPROVED LIST FOUND ON THE OFFICE OF MATERIALS MANAGEMENT WEBSITE. FOR INSTALLATION PROCEDURES, FOLLOW THE MANUFACTURER'S INSTRUCTIONS.

LONGITUDINAL CHANNELIZERS SHALL BE MONITORED TO DETERMINE WHETHER THERE IS SIGNIFICANT DAMAGE FROM ERRANT VEHICLES.

LONGITUDINAL CHANNELIZERS WILL BE MADE AT THE UNIT PRICE PER FOOT FOR:

ITEM 614, LONGITUDINAL CHANNELIZER 226 FOOT

DELINEATION OF TEMPORARY AND PERMANENT GUARDRAIL

BARRIER REFLECTORS SHALL BE INSTALLED ON ALL TEMPORARY GUARDRAIL USED FOR TRAFFIC CONTROL AND ON ALL PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. BARRIER REFLECTORS SHALL CONFORM TO C&MS 626.

OBJECT MARKERS SHALL BE INSTALLED ON ALL TEMPORARY AND PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. GUARDRAIL-MOUNTING OF OBJECT MARKERS SHALL BE MADE BY INSTALLING THE OBJECT MARKERS ON THE EXTENSION BLOCKS RATHER THAN DIRECTLY ONTO THE GUARDRAIL ITSELF. OBJECT MARKERS SHALL CONFORM TO C&MS 614.03 AND THE SPACING SHALL BE APPROXIMATELY 50 FEET.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE 3 ONE-WAY 150 EACH
 ITEM 614, OBJECT MARKER, ONE-WAY 150 EACH

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING THE ABOVE ITEM(S).

ITEM 614 - WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN

WORK ZONE RAISED PAVEMENT MARKERS, AS PER PLAN, AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614 OR C&MS 621 AS SPECIFIED HEREIN.

RAISED PAVEMENT MARKERS IN USE DURING THE SNOW-PLOWING SEASON SHALL CONFORM TO 621.

RAISED PAVEMENT MARKERS IN USE DURING THE NON-SNOW-PLOW SEASON SHALL CONFORM TO EITHER 614 OR TO 621.

THE SNOW-PLOWING SEASON SHALL RUN FROM OCTOBER 15 THROUGH APRIL 1.

IF PROJECT DELAYS, NOT THE FAULT OF ODOT, CAUSE THE WORK TO EXTEND INTO THE SNOW-PLOWING SEASON, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING WORK ZONE RAISED PAVEMENT MARKERS (WZRPMS) CONFORMING TO C&MS 614, WITH RAISED PAVEMENT MARKERS CONFORMING TO 621, AS DETERMINED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

THIS ITEM SHALL INCLUDE PURCHASE, INSTALLATION AND REMOVAL OF ITEM 614 WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN, INCLUDING FILLING OF ANY DEPRESSIONS CREATED IN THE PAVEMENT AS PER C&MS 621.08.

RESURFACING OF THE TRANSITION AREAS SHALL BE PERFORMED AT THE TIME THAT THE SURFACE COURSE IS BEING APPLIED TO THE ENTIRE PROJECT. PRIOR TO APPLICATION OF THE SURFACE COURSE ON THE PROJECT, THE EXISTING PAVEMENT WITHIN THE TRANSITION AREA SHALL BE REMOVED TO A DEPTH NECESSARY TO REACH THE LEVEL OF THE INTERMEDIATE COURSE OF THE PAVEMENT, AS DETERMINED BY THE ENGINEER.

THE FOLLOWING BID ITEMS SHOULD BE INCLUDED IN THE PLANS:

ITEM 614 WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN 688 EACH (SEE SHEET 137)

PAYMENT FOR RESURFACING WITHIN THE TRANSITION AREA SHALL BE PAID FOR UNDER THE APPROPRIATE BID ITEMS FOR THE WORK REQUIRED, AS PROVIDED FOR IN THE PLANS.

NOTICE OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE OFFICE OF COMMUNICATIONS. THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTICE TO OFFICE OF COMMUNICATION TIME TABLE:

ITEM	DURATION OF CLOSURE	NOTICE DUE TO OFFICE OF COMMUNICATION
	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
RAMP & ROAD CLOSURES	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE 2 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTICE TO OFFICE OF COMMUNICATIONS TIME TABLE.

ITEM 614, REPLACEMENT SIGN

FLATSHEET SIGNS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT SIGNS SHALL BE NEW. OTHER MATERIALS MAY BE IN USED, BUT GOOD, CONDITION SUBJECT TO APPROVAL BY THE ENGINEER.

PAYMENT FOR THE NEW SIGNS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT SIGN, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF DAMAGED SIGNS, HARDWARE AND SUPPORTS, AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC.

AN ESTIMATED QUANTITY OF 30 EACH HAS BEEN PROVIDED

NOTICE OF CLOSURE SIGN

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTICE OF CLOSURE SIGN TIME TABLE:

ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
RAMP & ROAD CLOSURES	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE 2 BUSINESS DAYS PRIOR TO CLOSURE
	< 12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

- PHASE 1:**
- NONE
- PHASE 2:**
- 2 SIGNS FOR ELICK LN CLOSURE, LOCATE AT INTERSECTION OF ELICK LN AND OLD SR74
- PHASE 3:**
- 2 SIGNS FOR WYLER PARK DR CLOSURE, LOCATE AT INTERSECTION OF WYLER PARK DR AND EASTGATE NORTH DR
- 2 SIGNS FOR GLEN ESTE-WITHAMSVILLE RD CLOSURE, LOCATE AT INTERSECTION OF GLEN ESTE-WITHAMSVILLE RD AND CLEPPER LN
- PHASE 4:**
*- 2 SIGNS FOR GLEN ESTE-WITHAMSVILLE RD CLOSURE, LOCATE AT INTERSECTION OF GLEN ESTE-WITHAMSVILLE RD AND CLEPPER LN
*- 2 SIGNS FOR FAYARD DR CLOSURE, LOCATE AT INTERSECTION OF FAYARD DR AND CLEPPER LN

6 <= TOTAL NUMBER OF SIGNS
 * REMAINS FROM PREVIOUS PHASE/PROJECT

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SHEET NUM.										PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
27	28	148	152	158	167					01/NHS/OT	04/NHS/BR						
	8		12							20		601	21050	20	SY	EROSION CONTROL TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
		107								107		601	21060	107	SY	TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT	
		10		165						175		601	32204	175	CY	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	
		1,458								1,458		601	37501	1,458	FT	PAVED GUTTER, TYPE 1-2, AS PER PLAN	28
		338								338		601	38501	338	FT	PAVED GUTTER, TYPE 3, AS PER PLAN	28
2										2		659	00100	2	EACH	SOIL ANALYSIS TEST	
6,020										6,020		659	00300	6,020	CY	TOPSOIL	
54,238										54,238		659	10000	54,238	SY	SEEDING AND MULCHING	
2,712										2,712		659	14000	2,712	SY	REPAIR SEEDING AND MULCHING	
2,712										2,712		659	15000	2,712	SY	INTER-SEEDING	
7.57										7.57		659	20000	7.57	TON	COMMERCIAL FERTILIZER	
11.21										11.21		659	31000	11.21	ACRE	LIME	
300										300		659	35000	300	MGAL	WATER	
122										122		659	40000	122	MSF	MOWING	
					1,903					1,903		670	00500	1,903	SY	SLOPE EROSION PROTECTION	
				LS						LS		832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
				LS						LS		832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
				LS						LS		832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
					229,747					229,747		832	30000	229,747	EACH	EROSION CONTROL	
		2.1		1.2						3.3		602	20000	3.3	CY	DRAINAGE CONCRETE MASONRY	
			20,025							20,025		605	11110	20,025	FT	6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	
200										200		605	13300	200	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	
			14,163							14,163		605	14020	14,163	FT	6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	
200										200		611	00406	200	FT	4" CONDUIT, TYPE F	
			2,222							2,222		611	00510	2,222	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
		1,415								1,415		611	04400	1,415	FT	12" CONDUIT, TYPE B	
		44								44		611	04600	44	FT	12" CONDUIT, TYPE C	
		1,103								1,103		611	05900	1,103	FT	15" CONDUIT, TYPE B	
		141								141		611	06100	141	FT	15" CONDUIT, TYPE C	
										618		611	06100	618	FT	15" CONDUIT, TYPE C, TYPE C, 706.02, JOINTS PER 706.11	
										43		611	06700	43	FT	15" CONDUIT, TYPE F, 707.05 TYPE C OR 707.21	
										196		611	07400	196	FT	18" CONDUIT, TYPE B	
										460		611	07600	460	FT	18" CONDUIT, TYPE C	
										769		611	10400	769	FT	24" CONDUIT, TYPE B	
										40		611	10600	40	FT	24" CONDUIT, TYPE C	
					40					40		611	13600	40	FT	30" CONDUIT, TYPE C	
										450		611	16400	450	FT	36" CONDUIT, TYPE B	
										559		611	19400	559	FT	42" CONDUIT, TYPE B	
										276		611	20900	276	FT	48" CONDUIT, TYPE B	
										66		611	96600	66	FT	CONDUIT, BORED OR JACKED: 15" TYPE B	
										69		611	96600	69	FT	CONDUIT, BORED OR JACKED: 18" TYPE B	
										176		611	96600	176	FT	CONDUIT, BORED OR JACKED: 24" TYPE B	
										55		611	96600	55	FT	CONDUIT, BORED OR JACKED: 42" TYPE B	
										3		611	98150	3	EACH	CATCH BASIN, NO. 3	
										4		611	98151	4	EACH	CATCH BASIN, NO. 3, AS PER PLAN	467
										16		611	98180	16	EACH	CATCH BASIN, NO. 3A	
										1		611	98181	1	EACH	CATCH BASIN, NO. 3A, AS PER PLAN	467
										6		611	98410	6	EACH	CATCH BASIN, NO. 8	
										5		611	98434	5	EACH	CATCH BASIN, NO. 8A	
										6		611	98470	6	EACH	CATCH BASIN, NO. 2-2B	
										1		611	98630	1	EACH	CATCH BASIN ADJUSTED TO GRADE	
										8		611	99114	8	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D	
										20		611	99574	20	EACH	MANHOLE, NO. 3	
										2		611	99654	2	EACH	MANHOLE ADJUSTED TO GRADE	
										10		611	99710	10	EACH	PRECAST REINFORCED CONCRETE OUTLET	
										1		611	99854	1	EACH	WATER QUALITY BASIN, DETENTION	
										1		611	99855	1	EACH	WATER QUALITY BASIN, DETENTION, AS PER PLAN	

GENERAL SUMMARY

CLE-32-3.50 (PHASE 5)

...303.205\103954_CG501.dgn 11/19/2021 1:33:04 PM mswhtt

SHEET NUM.										PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
487	488	501	502	503						01/NHS/OT	04/NHS/BR						
				374						374		621	00100	374	EACH	RPM	
				450						450		621	54000	450	EACH	RAISED PAVEMENT MARKER REMOVED	
15										15		625	32000	15	EACH	GROUND ROD	
		50								50		626	00102	50	EACH	BARRIER REFLECTOR, TYPE 1, IWAY	
		111								111		626	00110	111	EACH	BARRIER REFLECTOR, TYPE 2, IWAY	
1,102.5										1,102.5		630	03100	1,102.5	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
36.3										36.3		630	07600	36.3	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12	
116										116		630	08004	116	FT	ONE WAY SUPPORT, NO. 3 POST	
130										130		630	08200	130	EACH	GROUND MOUNTED SUPPORT, PIPE	
27										27		630	08600	27	EACH	SIGN POST REFLECTOR	
2										2		630	09000	2	EACH	BREAKAWAY STRUCTURAL BEAM CONNECTION	
2										2		630	09050	2	EACH	TRIANGULAR SLIP BASE CONNECTION	
5										5		630	72320	5	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 6	
5										5		630	72330	5	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 10	
1										1		630	72340	1	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 12	
2										2		630	72410	2	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-15.116, DESIGN 1	
1										1		630	79500	1	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	
3										3		630	79610	3	EACH	SIGN SUPPORT ASSEMBLY, BARRIER MOUNTED	
741.26										741.26		630	80100	741.26	SF	SIGN, FLAT SHEET	
	56									56		630	80200	56	SF	SIGN, GROUND MOUNTED EXTRUSHEET	
	1,674									1,674		630	80224	1,674	SF	SIGN, OVERHEAD EXTRUSHEET	
	2									2		630	84500	2	EACH	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	
	15									15		630	84510	15	EACH	RIGID OVERHEAD SIGN SUPPORT FOUNDATION	
	2									2		630	84600	2	EACH	GROUND MOUNTED PIPE SUPPORT FOUNDATION	
	168									168		630	84900	168	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
	2									2		630	85400	2	EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL	
	1									1		630	85600	1	EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND REERECTION	
	193									193		630	86002	193	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
	8									8		630	86102	8	EACH	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL	
	7									7		630	87400	7	EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL	
	2									2		630	89810	2	EACH	REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, TYPE TC-17.10	
		553								553		642	01200	553	FT	PARKING LOT STALL MARKING, TYPE 1	
		1.23								1.23		644	00100	1.23	MILE	EDGE LINE, 4"	
		0.46								0.46		644	00200	0.46	MILE	LANE LINE, 4"	
		0.81								0.81		644	00300	0.81	MILE	CENTER LINE	
		4,373								4,373		644	00400	4,373	FT	CHANNELIZING LINE, 8"	
		351								351		644	00500	351	FT	STOP LINE	
		332								332		644	00600	332	FT	CROSSWALK LINE	
		2,455								2,455		644	00700	2,455	FT	TRANSVERSE/DIAGONAL LINE	
		211								211		644	00720	211	FT	CHEVRON MARKING	
		547								547		644	00900	547	SF	ISLAND MARKING	
				108						108		644	01300	108	EACH	LANE ARROW	
				6						6		644	01350	6	EACH	LANE REDUCTION ARROW	
				2						2		644	01360	2	EACH	WRONG WAY ARROW	
				24						24		644	01400	24	EACH	WORD ON PAVEMENT, 72"	
				592						592		644	01500	592	FT	DOTTED LINE, 4"	
										308		644	30000	308	FT	REMOVAL OF PAVEMENT MARKING	
										2		644	30020	2	EACH	REMOVAL OF PAVEMENT MARKING	
										0.1		644	30030	0.1	MILE	REMOVAL OF PAVEMENT MARKING	
				0.01						0.01		646	10200	0.01	MILE	CENTER LINE	
				401						401		646	10300	401	FT	CHANNELIZING LINE, 8"	
				96						96		646	10400	96	FT	STOP LINE	

GENERAL SUMMARY

CLE-32-3.50 (PHASE 5)

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SHEET NUM.						PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
501	502	567				01/NHS/OT	04/NHS/BR						
												TRAFFIC CONTROL (CONT.)	
	4					4		646	20300	4	EACH	LANE ARROW	
	4					4		646	20400	4	EACH	WORD ON PAVEMENT, 72"	
	527					527		646	20502	527	FT	DOTTED LINE, 4"	
	0.06					0.06		807	12000	0.06	MILE	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 4"	
	0.04					0.04		807	12100	0.04	MILE	WET REFLECTIVE EPOXY PAVEMENT MARKING, LANE LINE, 4"	
	2.9					2.9		807	14010	2.9	MILE	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, EDGE LINE, 6"	
	1.13					1.13		807	14110	1.13	MILE	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, LANE LINE, 6"	
5,037						5,037		807	14310	5,037	FT	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, CHANNELIZING LINE, 12"	
	1,523					1,523		807	14410	1,523	FT	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 6"	
	1,260					1,260		807	14420	1,260	FT	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 8"	
	544					544		807	14430	544	FT	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 12"	
4.03						4.03		850	10010	4.03	MILE	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	
	1,523					1,523		850	10110	1,523	FT	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	
	1,260					1,260		850	10120	1,260	FT	GROOVING FOR 8" RECESSED PAVEMENT MARKING, (ASPHALT)	
5,037	544					5,581		850	10130	5,581	FT	GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)	
	0.1					0.1		850	20000	0.1	MILE	GROOVING FOR 4" RECESSED PAVEMENT MARKING, (CONCRETE)	
												TRAFFIC SIGNALS	
		6				6		625	18201	6	EACH	BRACKET ARM, 15', AS PER PLAN	549
		1,300				1,300		625	23306	1,300	FT	NO. 10 AWG 600 VOLT DISTRIBUTION CABLE	
		162				162		625	25504	162	FT	CONDUIT, 3", 725.051	
		1,172				1,172		625	25908	1,172	FT	CONDUIT, JACKED OR DRILLED, 725.052, 4"	
		6				6		625	27551	6	EACH	LUMINAIRE, DECORATIVE, AS PER PLAN	549
		81				81		625	29400	81	FT	TRENCH IN PAVED AREA	
		7				7		625	30706	7	EACH	PULL BOX, 725.08, 24"	
		6				6		625	32000	6	EACH	GROUND ROD	
		81				81		625	36010	81	FT	UNDERGROUND WARNING/MARKING TAPE	
		4				4		630	79100	4	EACH	SIGN HANGER ASSEMBLY, MAST ARM	
		6				6		630	79500	6	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	
		33				33		630	80100	33	SF	SIGN, FLAT SHEET	
		6				6		630	80500	6	EACH	SIGN, DOUBLE FACED, STREET NAME	
		24				24		632	05007	24	EACH	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN, BLACK	550
		24				24		632	25000	24	EACH	COVERING OF VEHICULAR SIGNAL HEAD	
		8,775				8,775		632	40700	8,775	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	
		6				6		632	64010	6	EACH	SIGNAL SUPPORT FOUNDATION	
		44				44		632	68200	44	FT	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG	
		75				75		632	68300	75	FT	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG	
		250				250		632	69500	250	FT	SERVICE CABLE, 2 CONDUCTOR, NO. 6 AWG	
		1				1		632	70001	1	EACH	POWER SERVICE, AS PER PLAN	550
		1				1		632	78361	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-12.31 DESIGN 10 POLE, WITH MAST ARMS TC-81.22 DESIGN 13 AND DESIGN 2, AS PER PLAN	550
		1				1		632	78369	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-12.31 DESIGN 10 POLE, WITH MAST ARMS TC-81.22 DESIGN 13 AND DESIGN 12, AS PER PLAN	550
		1				1		632	79101	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 2, AS PER PLAN	550
		3				3		632	79141	3	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13, AS PER PLAN	550
		3				3		632	90103	3	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION FOR STORAGE, AS PER PLAN	551
		1				1		633	67101	1	EACH	CABINET FOUNDATION, AS PER PLAN	552
		1				1		633	67201	1	EACH	CONTROLLER WORK PAD, AS PER PLAN	551
		1				1		633	75001	1	EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN	551
		1				1		633	99000	1	EACH	CONTROLLER ITEM, MISC.: CDMA MODEM, FURNISH ONLY	551
		1				1		633	99000	1	EACH	CONTROLLER ITEM, MISC.: CONTROLLER UNIT, TYPE 2070E WITH 2070-1C CPU AND ASC/3 SOFTWARE	551
		2				2		809	69000	2	EACH	ADVANCE RADAR DETECTION	
		6				6		809	69100	6	EACH	STOP LINE RADAR DETECTION	

GENERAL SUMMARY

CLE-32-3.50 (PHASE 5)

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SHEET NO.	REFERENCE NO.	ALIGNMENT	STATION		SIDE	606	606	606	606	606				607	607	607	608	609	609	609		
			FROM	TO		GUARDRAIL, TYPE MGS	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	ANCHOR ASSEMBLY, MGS TYPE T	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	FENCE, TYPE CLT	GATE, TYPE CLT	FENCELINE SEEDING AND MULCHING	CURB RAMP	COMBINATION CURB AND GUTTER, TYPE 2	CURB, TYPE 4C	CURB, TYPE 6	CURB, MISC.: CLERMONT COUNTY CURB AND GUTTER				
			FT	EACH		EACH	EACH	EACH	FT	EACH	FT	SF	FT	FT	FT	FT						
193	C-3	GLEN ESTE-WITH.	16+74.17	19+28.09	RT															311.3		
194	C-5	GLEN ESTE-WITH.	21+05.69	23+07.40	RT																203.1	
194	C-6	GLEN ESTE-WITH.	20+69.91	24+12.43	LT																406.2	
197	C-8	BACH BUXTON	332+72.11	338+50.18	LT																572.1	
197	C-9	BACH BUXTON	332+72.11	340+45.25	RT																790.1	
198	G-34	BACH BUXTON	335+52.08	340+07.64	RT	413.0	1											86.5				
198	C-11	BACH BUXTON	337+35.45	338+12.85	RT																	
200	G-36	BACH BUXTON	346+21.37	346+70.01	RT	37.5		1														
200	G-37	BACH BUXTON	343+88.79	349+27.72	LT	477.3	1															
200	C-13	BACH BUXTON	346+23.32	348+68.26	RT																248.9	
200	C-14	BACH BUXTON	343+86.53	348+68.26	LT																469.1	
202	C-16	FAYARD N.	10+00.00	11+29.00	LT/RT																264.4	
203	C-18	ELICK LN S.	47+96.51	49+83.77	RT																282.0	
203	C-19	ELICK LN S.	50+22.59	50+85.32	LT/RT																164.1	
204	C-21	ELICK LN N.	60+00.61	63+55.12	LT/RT																599.5	
205	C-23	EX OLD 74	201+48.71	202+41.60	LT/RT																175.3	
206	C-24	EX OLD 74	204+49.59	205+50.00	LT/RT																220.2	
206	C-25	EX OLD 74	205+25.81	205+50.00	RT																58.9	
206	C-26	EX OLD 74	204+94.80	205+05.80	RT																66.8	
435	C-27	ACCESS ROAD	5+33.88	5+55.00	RT																39.8	
435	C-28	ACCESS ROAD	5+14.13	5+55.00	LT																50.1	
435	F-17	ACCESS ROAD	5+54.00	6+59.48	LT								227.9	1	227.9							
435	F-18	ACCESS ROAD	5+54.00	8+15.87	RT								299.7		299.7							
436	F-19	ACCESS ROAD	6+59.48	9+62.52	LT								144.5		144.5							
641	F-1	BACH BUXTON	332+50.00	338+79.23	LT								661.2		661.2							
641	F-2	BACH BUXTON	332+50.00	340+28.56	RT								817.3		817.3							
643	F-3	BACH BUXTON	343+77.05	348+74.76	LT								484.6		484.6							
644	F-4	BACH BUXTON	346+35.37	348+74.87	RT								247.6		247.6							
645	F-6	SR-32	158+28.34	158+97.55	LT								69.6		69.6							
646	F-7	SR-32	185+50.00	195+53.45	RT								1,011.9		1,011.9							
646	F-8	SR-32	185+73.17	196+93.11	LT								1,142.3		1,142.3							
647	F-9	SR-32	201+05.90	202+59.38	LT								156.4		156.4							
647	F-10	SR-32	204+23.84	208+85.34	LT								519.2		519.2							
647	F-11	SR-32	204+07.35	210+35.98	RT								652.2		652.2							
648	F-12	SR-32	212+98.31	214+21.17	LT								119.9		119.9							
648	F-13	SR-32	212+12.04	232+50.00	RT								596.5		596.5							
649	F-14	SR-32	232+95.63	236+39.23	LT								354.2		354.2							
649	F-15	SR-32	235+05.16	238+76.91	RT								372.4		372.4							
SUBTOTAL FROM THIS SHEET						927.8	2	1					7,877.3	1	7,877.3		86.5			3,555.1	1,366.6	
SUBTOTAL FROM SHEET 144						8,348.7	9	7	8	5							403.4		402.6	512.8		
TOTALS CARRIED TO GENERAL SUMMARY						9,277	11	8	8	5				7,877	1	7,877	403	87	403	4,068	1,367	

ROADWAY ESTIMATED QUANTITIES

CLE-32-3.50 (PHASE 5)

CALCULATED
 MSW
 CHECKED
 WAA

145
 736

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SHEET NO.	STATION		203	203	659
			EXCAVATION	EMBANKMENT	SEEDING AND MULCHING
	FROM	TO	CY	CY	SY
SR-32					
270	133+50.00	134+50.00	127	14	250
271	135+00.00	136+00.00	169	89	632
272	136+50.00	137+50.00	49	139	519
273	138+00.00	139+00.00	27	131	481
274	139+50.00	140+50.00	25	136	477
275	141+00.00	142+00.00	28	121	477
276	142+50.00	143+00.00	180	15	581
277	143+50.00	144+00.00	220	11	626
278	144+50.00	145+00.00	248	15	560
279	145+50.00	146+00.00	64	17	346
280	146+50.00	147+50.00	88	29	519
281	148+00.00	148+50.00	59	19	346
282	149+00.00	149+50.00	58	20	346
283	150+00.00	151+00.00	69	21	505
284	151+50.00	152+50.00	63	20	495
285	153+00.00	154+00.00	36	25	210
286	157+00.00	158+50.00	11	31	197
287	159+00.00	160+00.00	107	24	263
288	160+50.00	171+00.00	7	5	56
289	171+50.00	172+50.00	143	37	420
290	173+00.00	174+00.00	189	39	459
291	174+50.00	175+50.00	160	92	559
292	176+00.00	177+00.00	175	7	312
293	177+50.00	178+50.00	198	18	325
294	179+00.00	180+00.00	221	7	308
295	180+50.00	181+50.00	226	94	500
296	182+00.00	183+00.00	189	148	448
297	183+50.00	184+50.00	168	124	290
298	185+00.00	186+00.00	254	107	337
299	186+50.00	187+50.00	484	132	351
300	188+00.00	189+00.00	593	125	492
301	189+50.00	190+50.00	118	173	826
302	191+00.00	191+50.00	40	279	690
303	192+00.00	192+50.00	33	417	772
304	193+00.00	193+50.00		596	545
305	194+50.00	194+50.00		679	421
306	195+00.00	195+50.00	1	1087	494
307	196+00.00	196+50.00	99	1606	610
308	197+00.00	197+50.00	154	1598	603
309	198+00.00	198+50.00	77	120	143
310	199+00.00	199+50.00	58	1746	454
311	200+00.00	200+50.00	15	2360	674
312	201+00.00	201+50.00	8	2194	667
313	202+00.00	202+50.00	2	2150	669
314	203+00.00	203+50.00		1,798	647
315	204+00.00	205+00.00		1854	865
316	205+50.00	206+00.00		586	578
317	206+50.00	207+00.00	41	842	644
318	207+50.00	208+00.00	133	815	614
319	208+50.00	209+00.00	279	754	715
320	209+50.00	210+00.00	168	503	538
321	210+50.00	211+00.00	160	362	445
322	211+50.00	212+00.00	136	283	394
323	212+50.00	213+00.00	140	214	390
324	213+50.00	214+50.00	314	151	682
325	215+00.00	216+00.00	357	93	641
326	216+50.00	232+00.00	96	64	291
327	232+50.00	233+50.00	48	60	500
328	234+00.00	235+00.00	76	91	654
329	235+50.00	236+50.00	135	135	856

SHEET NO.	STATION		203	203	203	659	840
			EXCAVATION	EMBANKMENT	EMBANKMENT, AS PER PLAN	SEEDING AND MULCHING	SELECT GRANULAR BACKFILL
	FROM	TO	CY	CY	CY	SY	CY
SR-32 (CONT.)							
330	237+00.00	238+00.00	54	33		294	
331	238+50.00	239+50.00	32	13		186	
SR-32 SUBTOTAL:			7,409	25,468		30,189	
REVISED SUBTOTAL FOR EMBANKMENT, APP:				-305	305		
RAMP N							
332	188+43.69	189+50.00	128	116		201	
333	190+00.00	191+00.00	354	159		343	
334	191+50.00	192+50.00	82	322		395	
335	193+00.00	194+00.00	54	1,643		494	
336	194+50.00	195+00.00	31	2,374		433	
337	195+50.00	196+00.00	36	3,402		542	18
338	196+50.00	197+00.00	33	4,651		734	
339	197+50.00	197+50.00	10	3,406		374	
RAMP N SUBTOTAL:			728	16,073		3,516	18
REVISED SUBTOTAL FOR EMBANKMENT, APP:				-1,040	1,040		
RAMP O							
340	188+87.44	189+50.00	112	14		9	
341	190+00.00	191+00.00	168	27		29	
342	191+50.00	192+50.00	12	224		122	
343	193+00.00	194+00.00		1813		326	
344	194+50.00	195+00.00		2690		342	
345	195+50.00	196+00.00		3494		356	
346	196+50.00	196+93.90		1675			
RAMP O SUBTOTAL:			292	9,937		1,184	
REVISED SUBTOTAL FOR EMBANKMENT, APP:				-1,047	1,047		
RAMP P							
347	198+50.00	199+00.00	14	1420		279	
348	199+50.00	200+00.00	25	1324		181	
349	200+50.00	201+00.00	22	2049		233	
350	201+50.00	202+00.00	20	1801		215	
351	202+50.00	203+00.00	21	1056		86	
352	203+50.00	204+50.00	44	1912		367	
353	205+00.00	205+49.91	52	1188		426	
RAMP P SUBTOTAL:			198	10,750		1,787	
REVISED SUBTOTAL FOR EMBANKMENT, APP:				-1,107	1,107		
RAMP Q							
354	199+00.00	199+50.00		2,121			
355	200+00.00	200+50.00	140	6,562		708	
356	201+00.00	201+50.00	185	5,863		879	
357	202+00.00	202+50.00	240	3,606		829	
358	203+00.00	203+50.00	231	1,933		733	
359	204+00.00	205+00.00	239	1,982		799	
360	205+50.00	206+50.00	146	1,947		690	
361	207+00.00	208+05.69	218	976		617	
RAMP Q SUBTOTAL:			1,399	24,990		5,255	
REVISED SUBTOTAL FOR EMBANKMENT, APP:				-1,336	1,336		
EX OLD 74							
398	201+00.00	202+01.56	124	1		66	
399	202+50.00	205+25.00	21	40		93	
400	205+50.00	205+75.00	8	5		30	
EX OLD 74 SUBTOTAL:			153	46		189	

SHEET NO.	STATION		203	203	203	659	840
			EXCAVATION	EMBANKMENT	EMBANKMENT, AS PER PLAN	SEEDING AND MULCHING	SELECT GRANULAR BACKFILL
	FROM	TO	CY	CY	CY	SY	CY
GLEN ESTE-WITHAMSVILLE RD.							
362	16+57.00	17+50.00	18	96		276	
363	18+00.00	18+80.00	10	181		534	
364	21+20.00	22+00.00	41	562		488	
365	22+50.00	23+50.00	18	256		828	
366	23+95.00	25+00.00	4	77		237	
GLEN ESTE-WITH. SUBTOTAL:			91	1,172		2,363	
BACH BUXTON RD.							
367	332+43.25	333+50.00	641	70		360	
368	334+00.00	335+00.00	984	304		452	
369	335+50.00	336+00.00	108	1071		482	
370	336+50.00	336+50.00		1445		323	
371	337+00.00	337+00.00		2127		384	
372	337+50.00	337+50.00		2939		450	
373	338+00.00	338+00.00		3648		503	
374	338+50.00	338+50.00		4066		500	
375	339+00.00	339+00.00		4975		529	
376	339+50.00	339+50.00		5248		448	
377	340+41.63	340+41.63		9129			
378	340+71.63	340+71.63					
379	342+24.45	342+24.45					
380	342+54.45	342+54.45					
381	343+50.00	343+50.00	67	12076			
382	344+00.00	344+00.00	57	6832		642	
383	344+50.00	344+50.00	29	6664		731	
384	345+00.00	345+00.00	11	5673		633	
385	345+50.00	345+50.00	15	4695		547	
386	346+00.00	346+00.00	15	3802		486	
387	346+50.00	347+00.00	6	4834		805	
388	347+50.00	348+50.00	927	670		452	
389	348+68.26	348+68.26	417			78	
BACH BUXTON SUBTOTAL:			3,277	80,268		8,805	
REVISED SUBTOTAL FOR EMBANKMENT, APP:				-4,074	4,074		
FAYARD DR. (NORTH)							
390	10+35.00	11+00.00	163	15		128	
391	11+29.00	11+29.00	39	10		70	
FAYARD SUBTOTAL:			202	25		198	
ELICK LN (SOUTH)							
392	47+50.00	48+50.00	7	11		58	
393	49+00.00	50+00.00	14	36		196	
394	50+50.32	50+50.32	39	3		41	
ELICK LN (SOUTH) SUBTOTAL:			60	50		295	
ELICK LN (NORTH)							
395	60+35.61	61+00.00	101	21		149	
396	61+50.00	62+50.00	120	51		225	
397	63+00.00	63+55.12	15	7		83	
ELICK LN (NORTH) SUBTOTAL:							

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SHEET NO.	REF NO.	STATION		CHAIN	SIDE	601	601	601	602	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	
		FROM	TO			TIED CONCRETE BLOCK MAT, TYPE 2 SY	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC CY	PAVED GUTTER, TYPE 1-2, AS PER PLAN FT	CONCRETE MASONRY CY	12" CONDUIT, TYPE B FT	12" CONDUIT, TYPE C FT	15" CONDUIT, TYPE B FT	15" CONDUIT, TYPE C FT	15" CONDUIT, TYPE C, 706.02, JOINTS PER 706.11 FT	15" CONDUIT, TYPE F, 707.05 TYPE C OR 707.21 FT	18" CONDUIT, TYPE B FT	18" CONDUIT, TYPE C FT	24" CONDUIT, TYPE B FT	48" CONDUIT, TYPE B FT	CATCH BASIN, NO. 3, AS PER PLAN EACH	CATCH BASIN, NO. 3A EACH	CATCH BASIN, NO. 3A, AS PER PLAN EACH	CATCH BASIN, NO. 8 EACH	CATCH BASIN, NO. 8A EACH	CATCH BASIN, NO. 2-2B EACH	CATCH BASIN ADJUSTED TO GRADE EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D EACH	MANHOLE, NO. 3 EACH	MANHOLE ADJUSTED TO GRADE EACH				
439	D1	333+50.00	333+50.00	BACH BUX	LT						10																						
439	D2	333+50.00	332+68.87	BACH BUX	LT									77					1														
439	D3	335+00.00	333+50.00	BACH BUX	LT						150								1														
439	D4	335+05.00	335+00.00	BACH BUX	RT					82									1														
439	D5	335+75.00	335+05.00	BACH BUX	RT					71									1														
440	D6	337+00.00	335+00.00	BACH BUX	LT						200								1														
440	D7	337+00.00	337+00.00	BACH BUX	RT					99									1														
440	D8	339+00.00	337+00.00	BACH BUX	RT					204									1														
440	D9	196+13.22	196+48.37	RAMP O	LT							46							1														
440	D10	339+35.63	196+48.37	BACH BUX	LT							48							1														
440	D11	196+48.37	195+87.27	RAMP O	RT							43			43																		
440	D12	198+87.27	194+51.00	RAMP O	RT																												
440	D13	338+78.31		BACH BUX	RT					15									1														
440	D87	198+50.00	199+00.00	RAMP P	RT																												
440	D88	198+69.00	203+91.00	RAMP P	RT			556																									
441	D14	344+50.00	344+50.00	BACH BUX	LT						113								1														
441	D15	344+50.00	346+00.00	BACH BUX	RT						154																						
441	D16	346+00.00	346+00.00	BACH BUX	LT						109								1														
441	D17	346+00.00	347+50.00	BACH BUX	RT						154																						
441	D18	197+00.00	198+28.18	RAMP N	LT		5		1.1																								
441	D19	199+31.00		RAMP Q	RT	56																											
442	D20	347+50.00	347+50.00	BACH BUX	LT						93																						
442	D21	347+50.00	348+70.00	BACH BUX	RT						121																						
443	D22	16+76.00		GEW	RT							10							1														
443	D23	18+75.43		GEW	RT								7																				
443	D24	18+75.75		GEW	RT																												
444	D25	22+08.86	22+09.45	GEW	RT							10																					
444	D26	22+09.45		GEW	RT																												
444	D27	24+05.27	24+01.48	GEW	LT																												
444	D28	24+01.48		GEW	LT																												
446	D29	50+55.70	50+45.62	BACH CDS	RT							28																					
446	D30	50+45.62		BACH CDS	RT							10																					
446	D31	62+09.04		ELICK	LT																												
446	D32	62+03.08		ELICK	LT							10																					
446	D33	61+92.43		ELICK	LT																												
446	D34	60+52.00	189+00.00	ELICK	LT																												
449	D35	NOT USED																															
449	D36	NOT USED																															
TOTALS CARRIED TO DRAINAGE SUBSUMMARY						56	5	556	1.1	1415	44	345	17	70	43	87	142	94	276	4	15	1	2	1	4	1	2	2	2	2	2	2	

DRAINAGE ESTIMATED QUANTITIES

CLE-32-3.50 (PHASE 5)

CALCULATED
MHT
CHECKED
WAA

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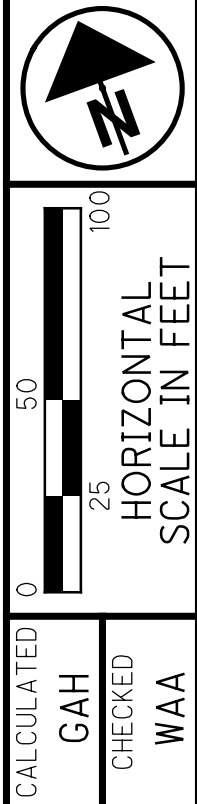
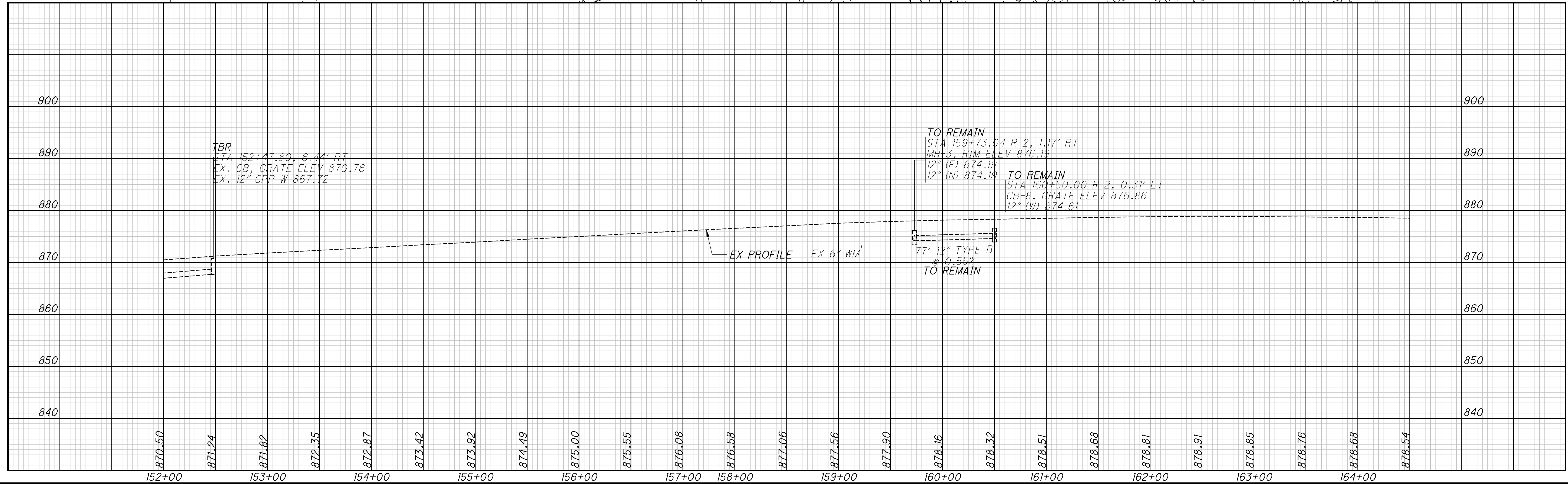
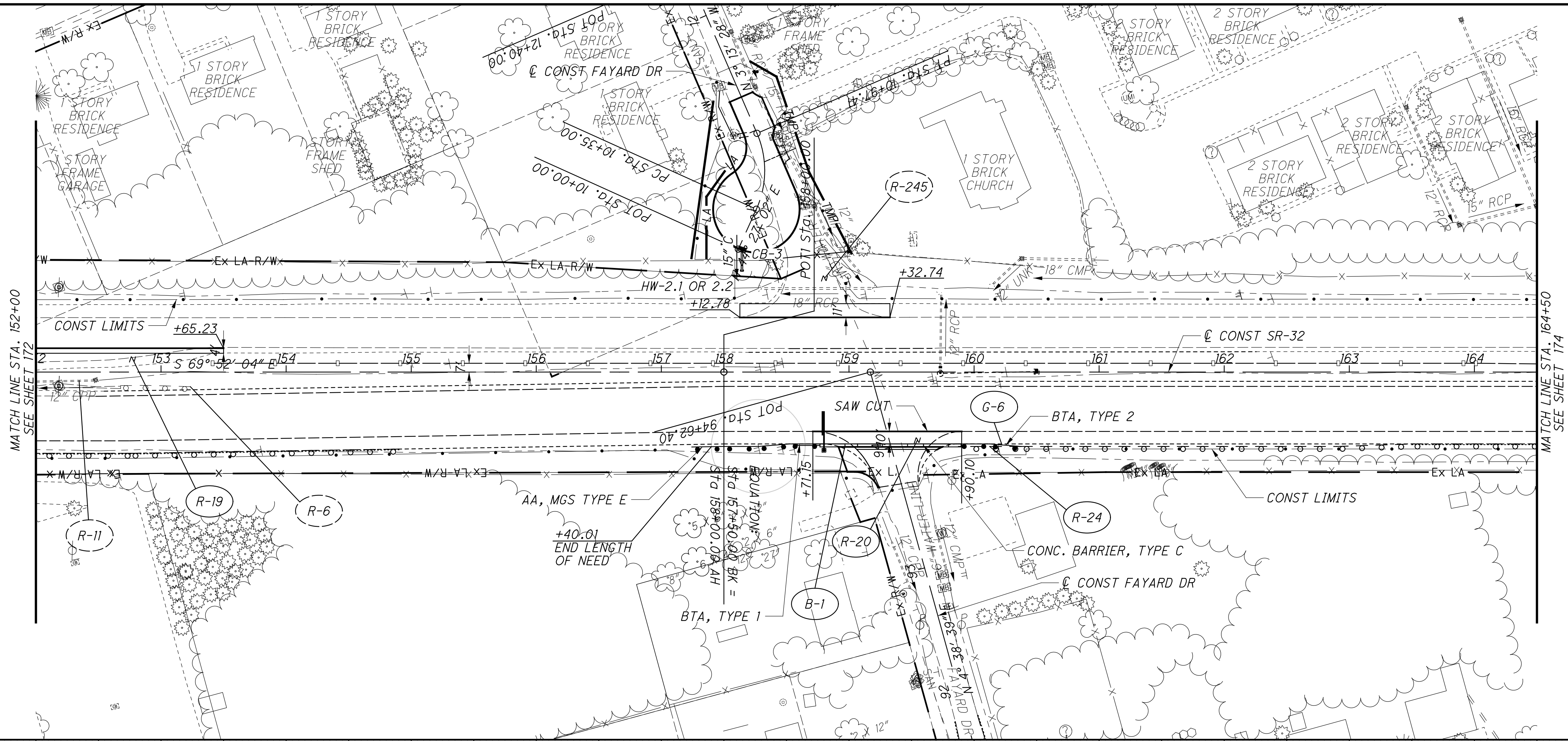
SHEET NO.	REF NO.	STATION		CHAIN	SIDE	601	601	601	602	611	611	611	611	611	611	611	611	611	611		
		FROM	TO			TIED CONCRETE BLOCK MAT, TYPE 2 SY	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC CY	PAVED GUTTER, TYPE 1-2, AS PER PLAN FT	CONCRETE MASONRY CY	15" CONDUIT, TYPE B FT	15" CONDUIT, TYPE C, 706.02, JOINTS PER 706.11 FT	18" CONDUIT, TYPE C FT	24" CONDUIT, TYPE B FT	42" CONDUIT, TYPE B FT	CONDUIT, BORED OR JACKED: 42" TYPE B FT	CATCH BASIN, NO. 3 EACH	CATCH BASIN, NO. 8 EACH	CATCH BASIN, NO. 8A EACH	CATCH BASIN, NO. 2-2B EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D EACH	MANHOLE, NO. 3 EACH
458	D69	196+50.00	196+50.00	SR 32	C										55					1	
458	D70	196+50.00	197+00.00	SR 32	LT								158				1				
458	D71	NOT USED																			
458	D72	198+43.00	202+92.00	SR 32	RT			449													
458	D84	197+00.00	197+33.00	SR 32	LT			31													
458	D85	198+91.00	199+22.00	SR 32	LT			31													
458	D89	199+00.00	201+73.00	RAMP P	RT						273									1	
459	D73	202+70.34	202+68.50	RAMP P	LT					7									1		
459	D74	202+68.50	204+51.00	RAMP P	LT					182										1	
459	D75	204+00.00	204+50.96	SR 32	RT					61						1					
459	D76	204+50.96	204+51.00	SR 32	RT					13										1	
459	D77	204+51.00	204+50.00	RAMP P	LT		2		0.3	52										1	
459	D78	NOT USED																			
459	D79	206+75.00	206+50.00	RAMP Q	LT					38					1						
459	D80	206+50.00	205+80.70	SR 32	LT							68				1					
459	D81	205+80.70	205+69.70	SR 32	LT		2		0.5				78							1	
459	D86	204+46.00		RAMP P	LT	12															
459	D90	201+73.00	201+73.00	RAMP P	RT						17							1			
459	D91	201+73.00	204+00.00	RAMP P	RT						228									1	
459	D92	204+00.00	204+25.00	RAMP P	RT		1		0.3	30										1	
461	D82	NOT USED																			
462	D83	202+40.97		OLD 74	RT					10						1					
TOTALS CARRIED TO DRAINAGE SUBSUMMARY						12	5	511	1.0	363	548	68	78	158	55	2	2	1	2	1	7

DRAINAGE ESTIMATED QUANTITIES

**CLE-32-3.50
(PHASE 5)**

CALCULATED
MHT
CHECKED
WAA

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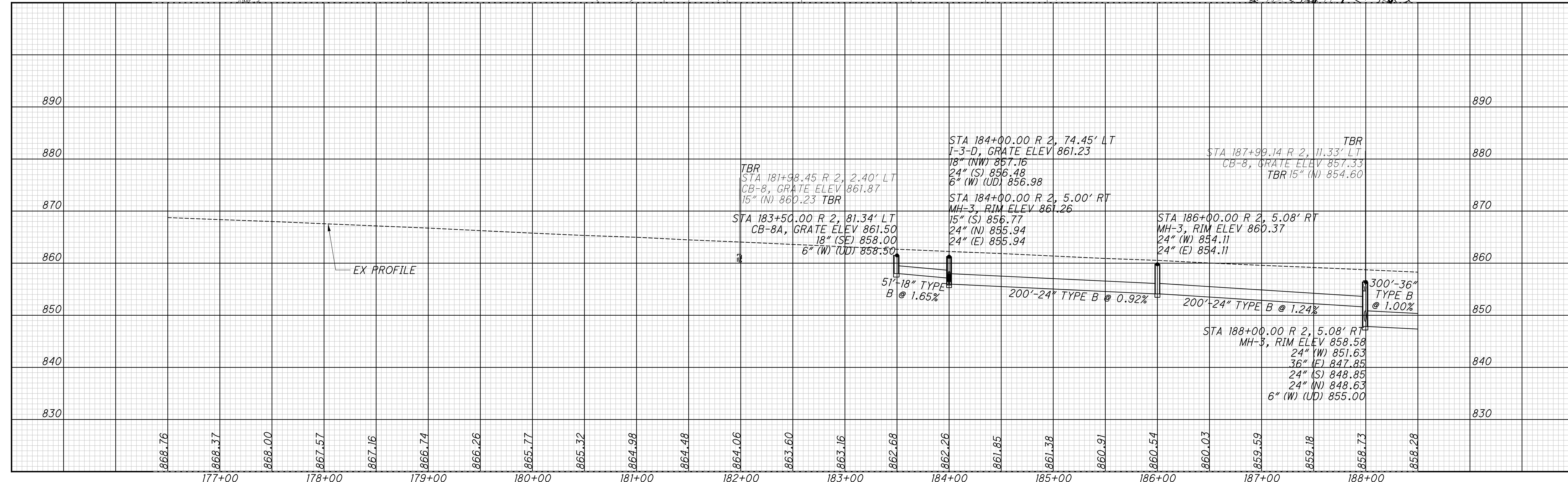
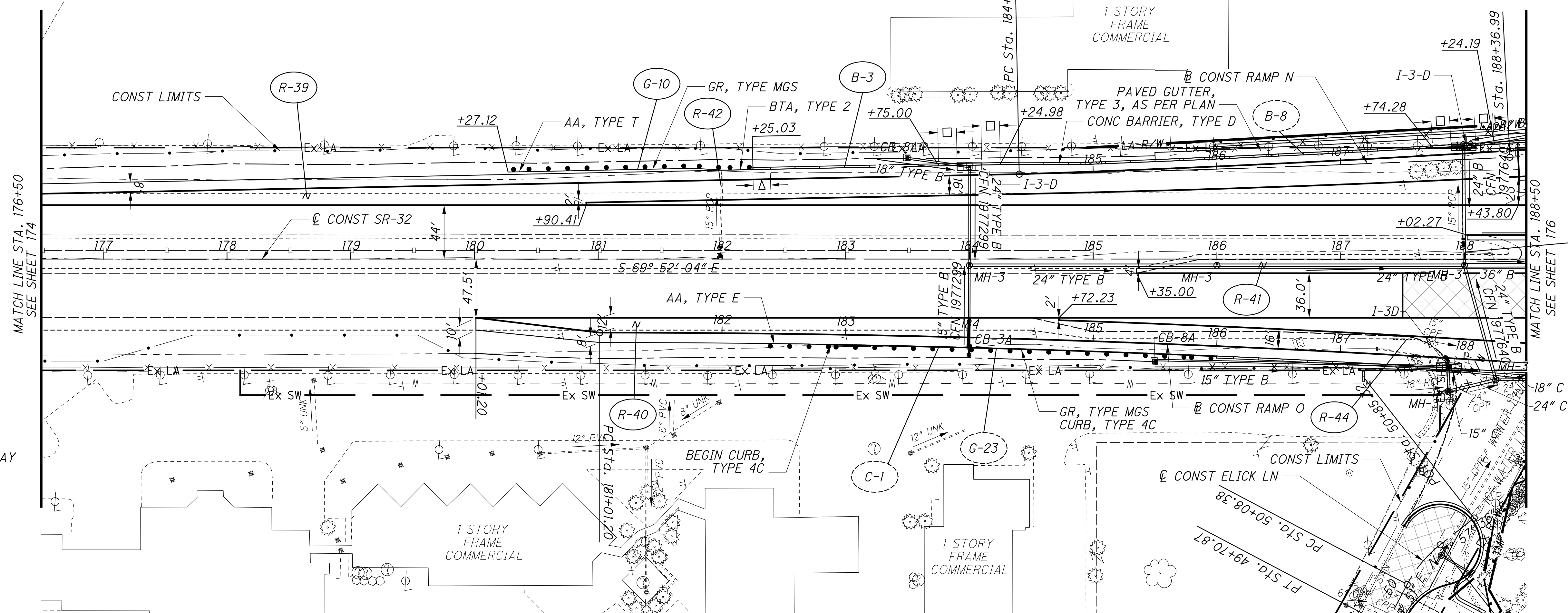
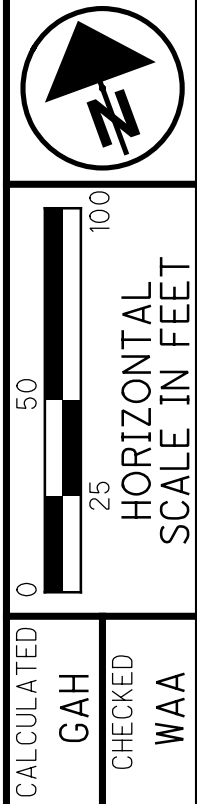


CALCULATED: GAH
 CHECKED: WAA

**PLAN AND PROFILE - SR-32
 STA. 152+00 TO STA. 164+50**

**CLE-32-3.50
 (PHASE 5)**

BARRIER LEGEND
 Δ END SECTION, TYPE D
 □ END ANCHORAGE, TYPE D
 ∅ END SECTION, TYPE C1



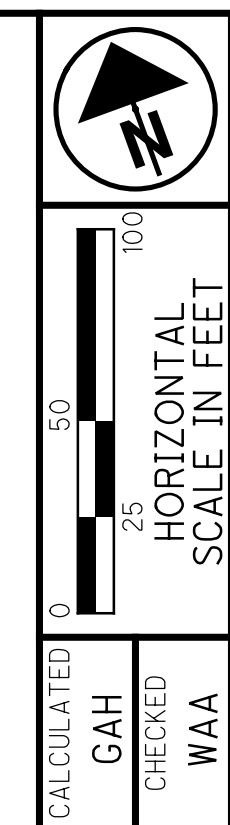
**PLAN AND PROFILE - SR-32
 STA. 176+50 TO STA. 188+50**

**CLE-32-3.50
 (PHASE 5)**

175
736

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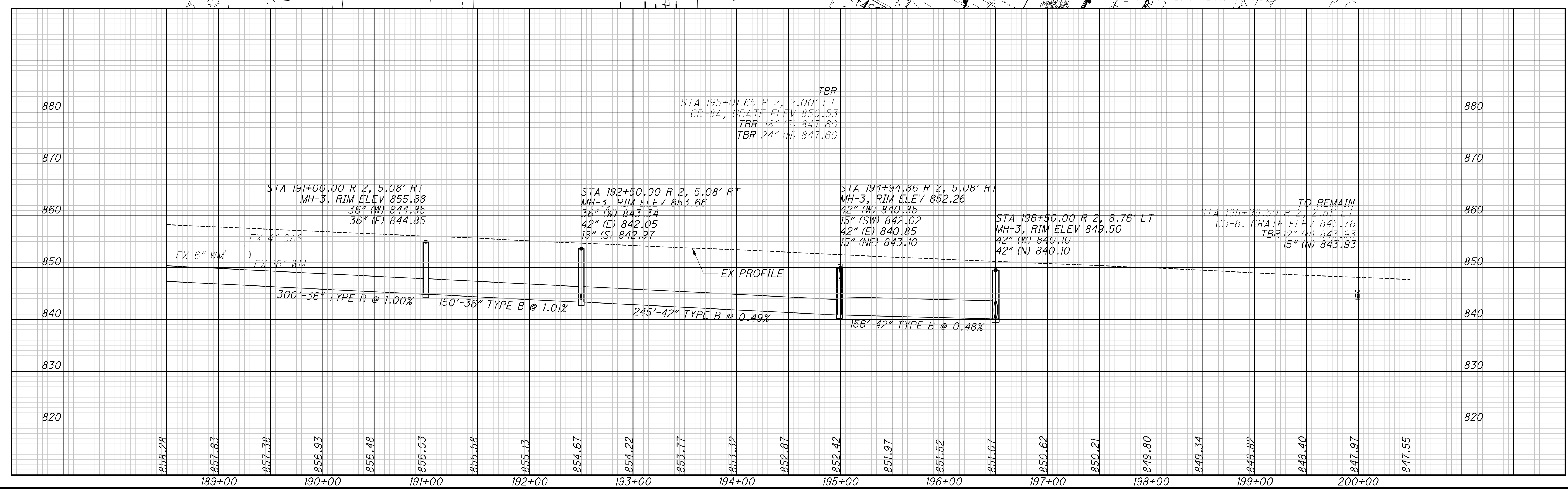
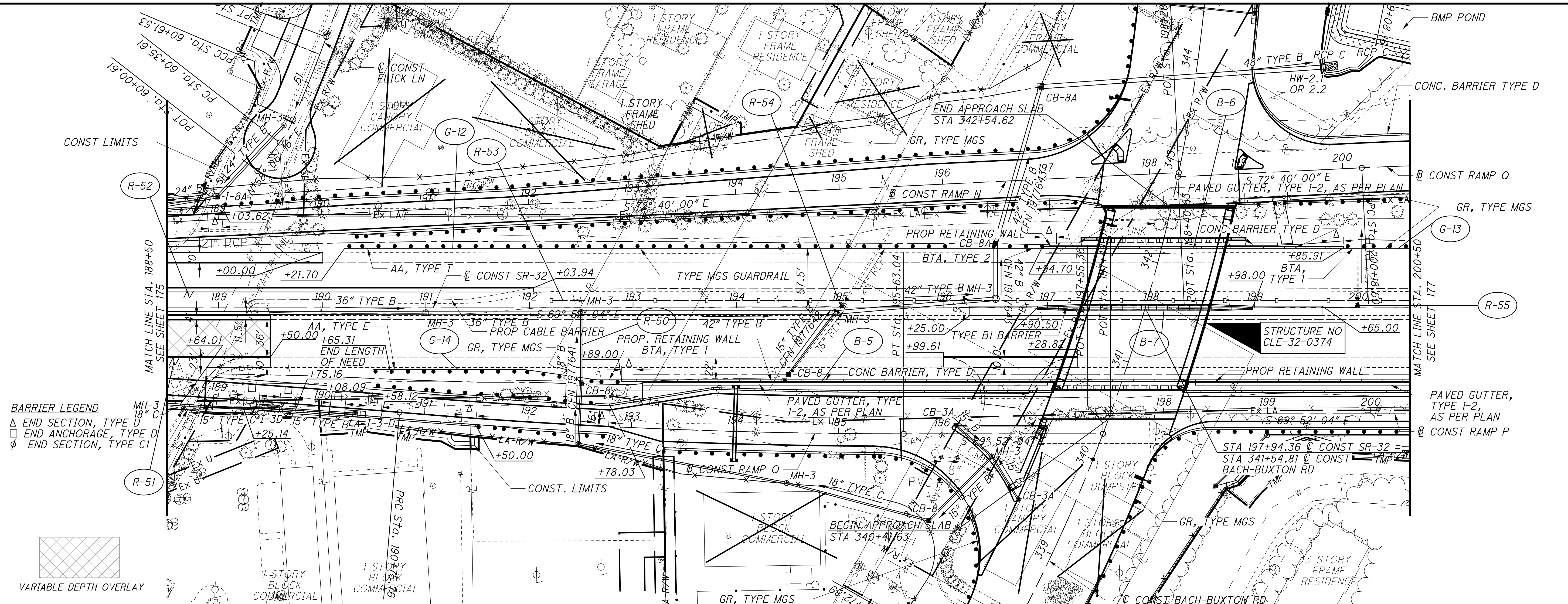
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**PLAN AND PROFILE - SR-32
STA. 188+50 TO STA. 200+50**

**CLE-32-3.50
(PHASE 5)**

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BARRIER LEGEND
 Δ END SECTION, TYPE D
 □ END ANCHORAGE, TYPE D
 ϕ END SECTION, TYPE C1

VARIABLE DEPTH OVERLAY

CONST SR-32
 AA, TYPE E
 AA, TYPE T
 AA, TYPE 7
 AA, TYPE 32
 AA, TYPE 36
 AA, TYPE 42
 AA, TYPE 48
 AA, TYPE 54
 AA, TYPE 60
 AA, TYPE 66
 AA, TYPE 72
 AA, TYPE 78
 AA, TYPE 84
 AA, TYPE 90
 AA, TYPE 96
 AA, TYPE 102
 AA, TYPE 108
 AA, TYPE 114
 AA, TYPE 120

CONST RAMP
 CONST RAMP N
 CONST RAMP O
 CONST RAMP P
 CONST RAMP Q

CONST BACH-BUXTON RD
 CONST SR-32
 CONST SR-32

CONST ELICK LN
 CONST SR-32
 CONST SR-32

CONST SR-32
 AA, TYPE E
 AA, TYPE T
 AA, TYPE 7
 AA, TYPE 32
 AA, TYPE 36
 AA, TYPE 42
 AA, TYPE 48
 AA, TYPE 54
 AA, TYPE 60
 AA, TYPE 66
 AA, TYPE 72
 AA, TYPE 78
 AA, TYPE 84
 AA, TYPE 90
 AA, TYPE 96
 AA, TYPE 102
 AA, TYPE 108
 AA, TYPE 114
 AA, TYPE 120

CONST RAMP
 CONST RAMP N
 CONST RAMP O
 CONST RAMP P
 CONST RAMP Q

CONST BACH-BUXTON RD
 CONST SR-32
 CONST SR-32

CONST ELICK LN
 CONST SR-32
 CONST SR-32

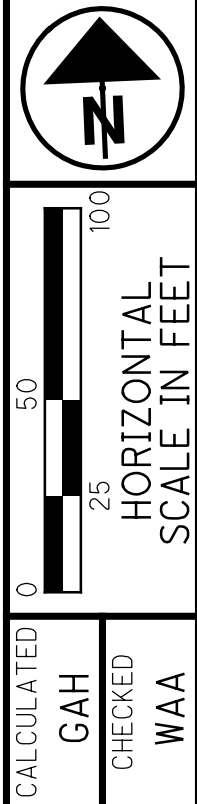
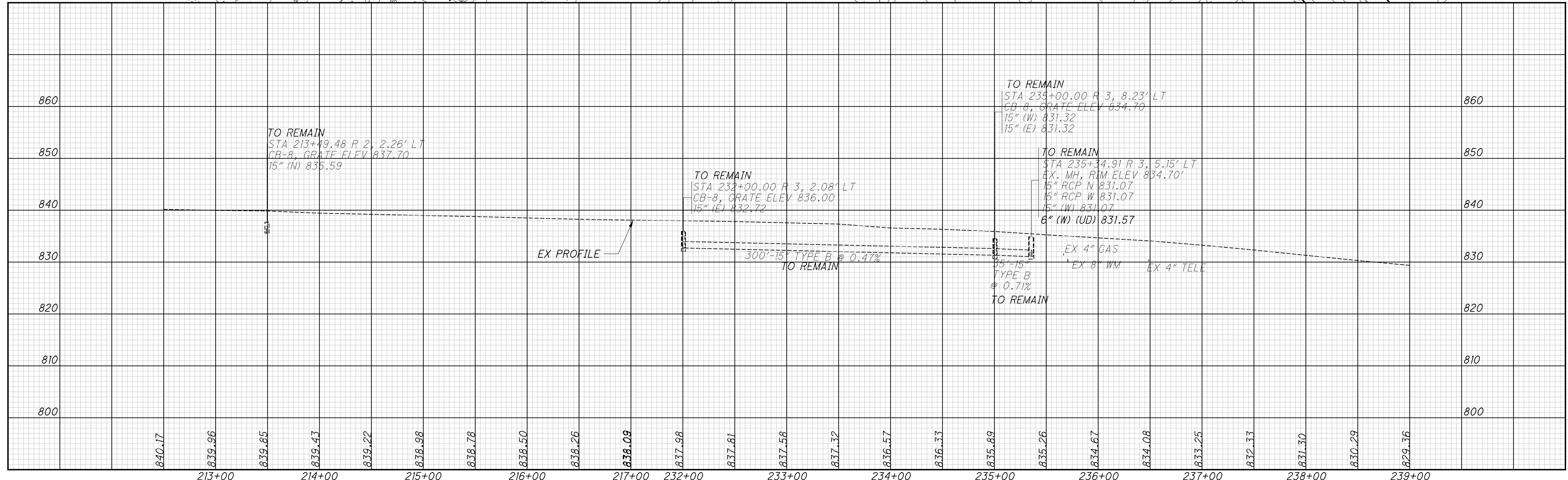
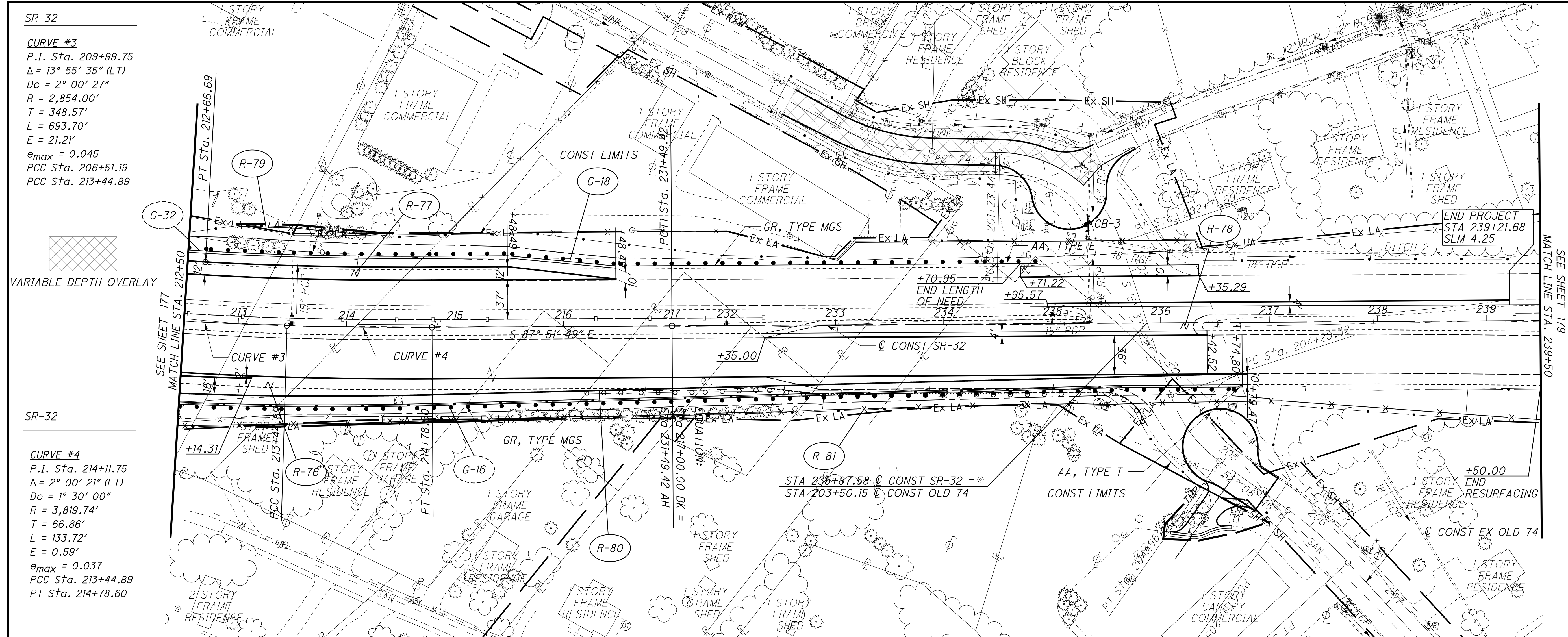
CONST SR-32
 AA, TYPE E
 AA, TYPE T
 AA, TYPE 7
 AA, TYPE 32
 AA, TYPE 36
 AA, TYPE 42
 AA, TYPE 48
 AA, TYPE 54
 AA, TYPE 60
 AA, TYPE 66
 AA, TYPE 72
 AA, TYPE 78
 AA, TYPE 84
 AA, TYPE 90
 AA, TYPE 96
 AA, TYPE 102
 AA, TYPE 108
 AA, TYPE 114
 AA, TYPE 120

CONST RAMP
 CONST RAMP N
 CONST RAMP O
 CONST RAMP P
 CONST RAMP Q

CONST BACH-BUXTON RD
 CONST SR-32
 CONST SR-32

SR-32
CURVE #3
 P.I. Sta. 209+99.75
 $\Delta = 13^\circ 55' 35''$ (LT)
 $D_c = 2^\circ 00' 27''$
 $R = 2,854.00'$
 $T = 348.57'$
 $L = 693.70'$
 $E = 21.21'$
 $e_{max} = 0.045$
 PCC Sta. 206+51.19
 PCC Sta. 213+44.89

SR-32
CURVE #4
 P.I. Sta. 214+11.75
 $\Delta = 2^\circ 00' 21''$ (LT)
 $D_c = 1^\circ 30' 00''$
 $R = 3,819.74'$
 $T = 66.86'$
 $L = 133.72'$
 $E = 0.59'$
 $e_{max} = 0.037$
 PCC Sta. 213+44.89
 PT Sta. 214+78.60



PLAN AND PROFILE - SR-32
 STA. 212+50 TO STA. 239+50

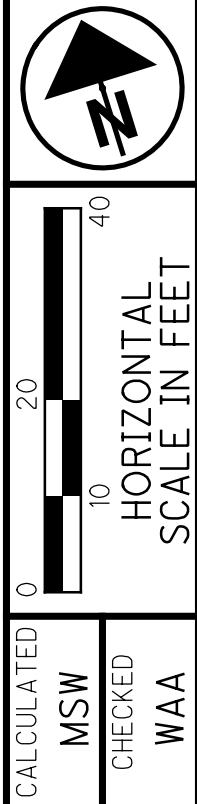
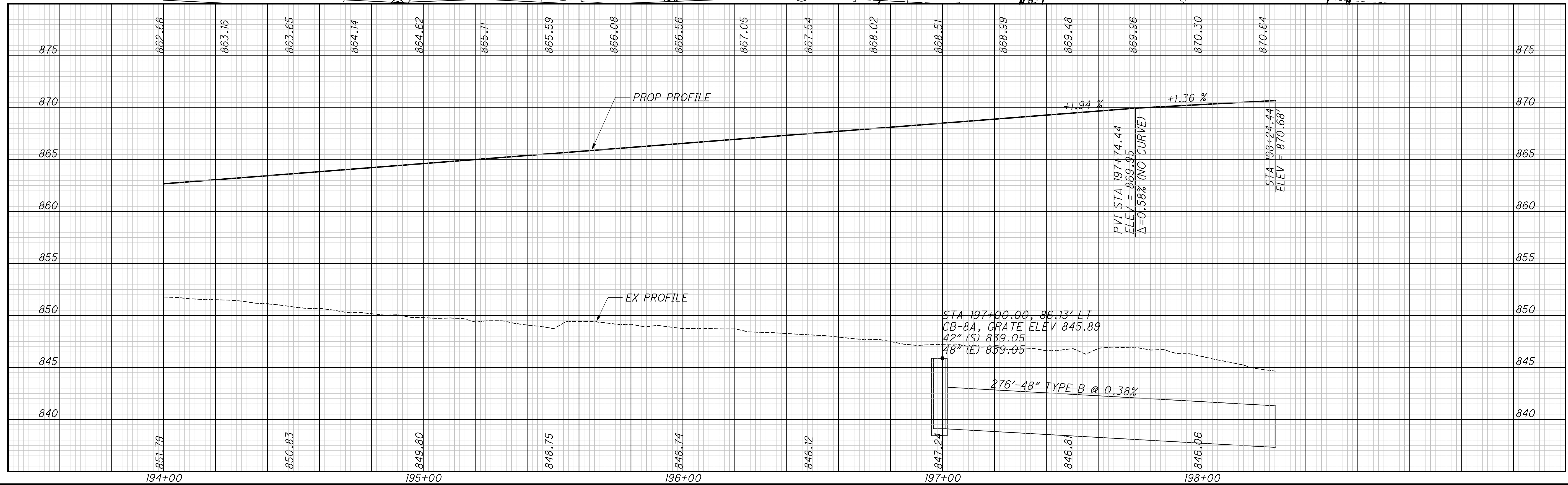
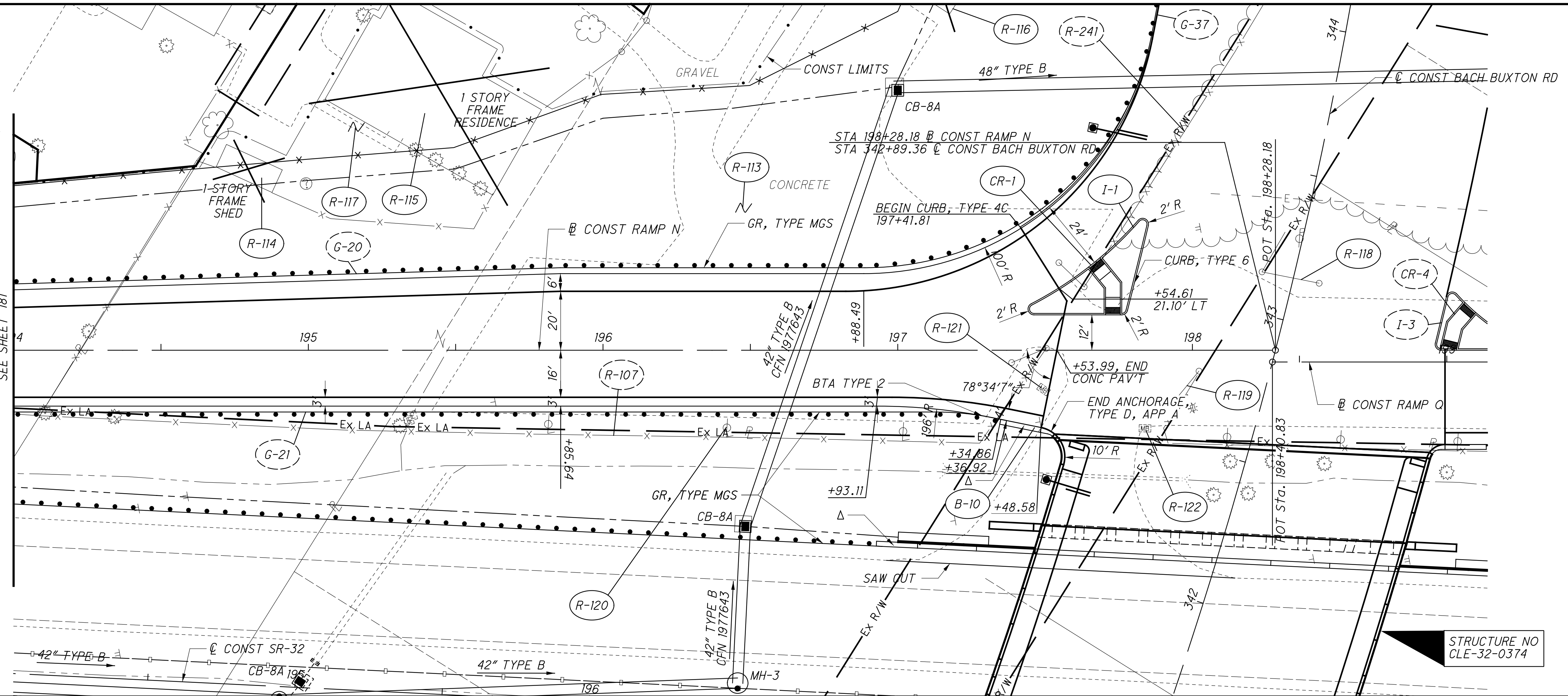
CLE-32-3.50
 (PHASE 5)

178
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BARRIER LEGEND
 Δ END SECTION, TYPE D
 □ END ANCHORAGE, TYPE D
 φ END SECTION, TYPE C1

MATCHLINE STA. 194+00
 SEE SHEET 181



CALCULATED MSW
 CHECKED WAA

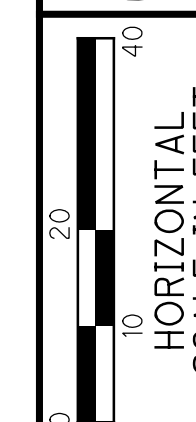
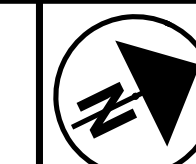
**PLAN AND PROFILE-RAMP N
 STA 194+00 TO STA 198+28.18**

**CLE-32-3.50
 (PHASE 5)**

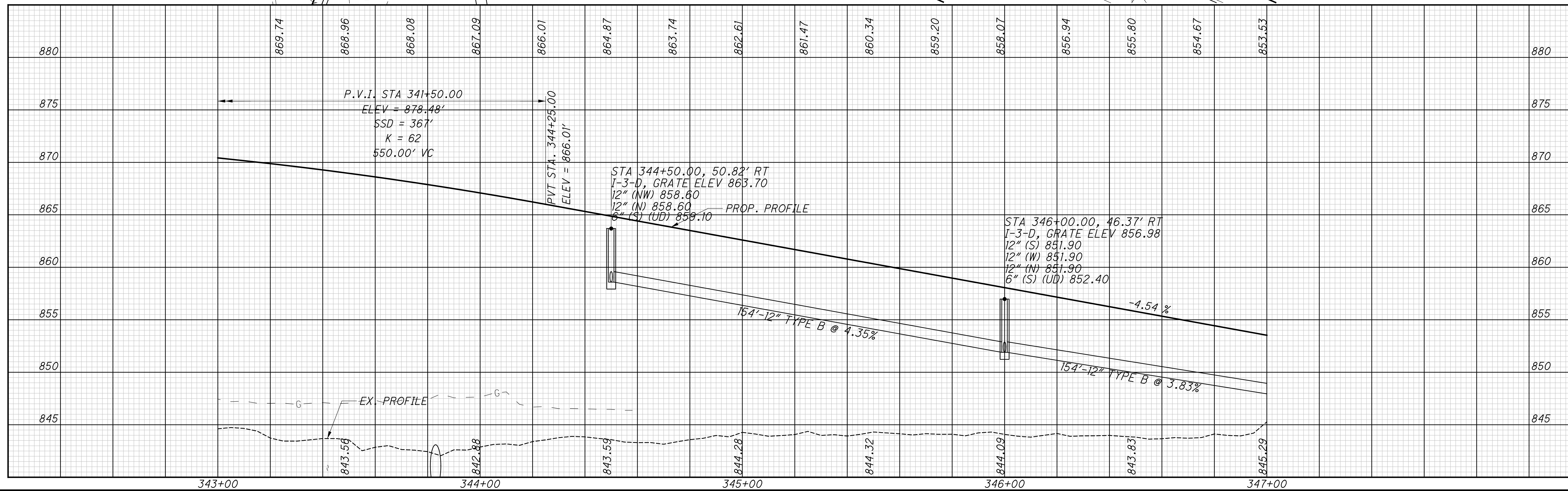
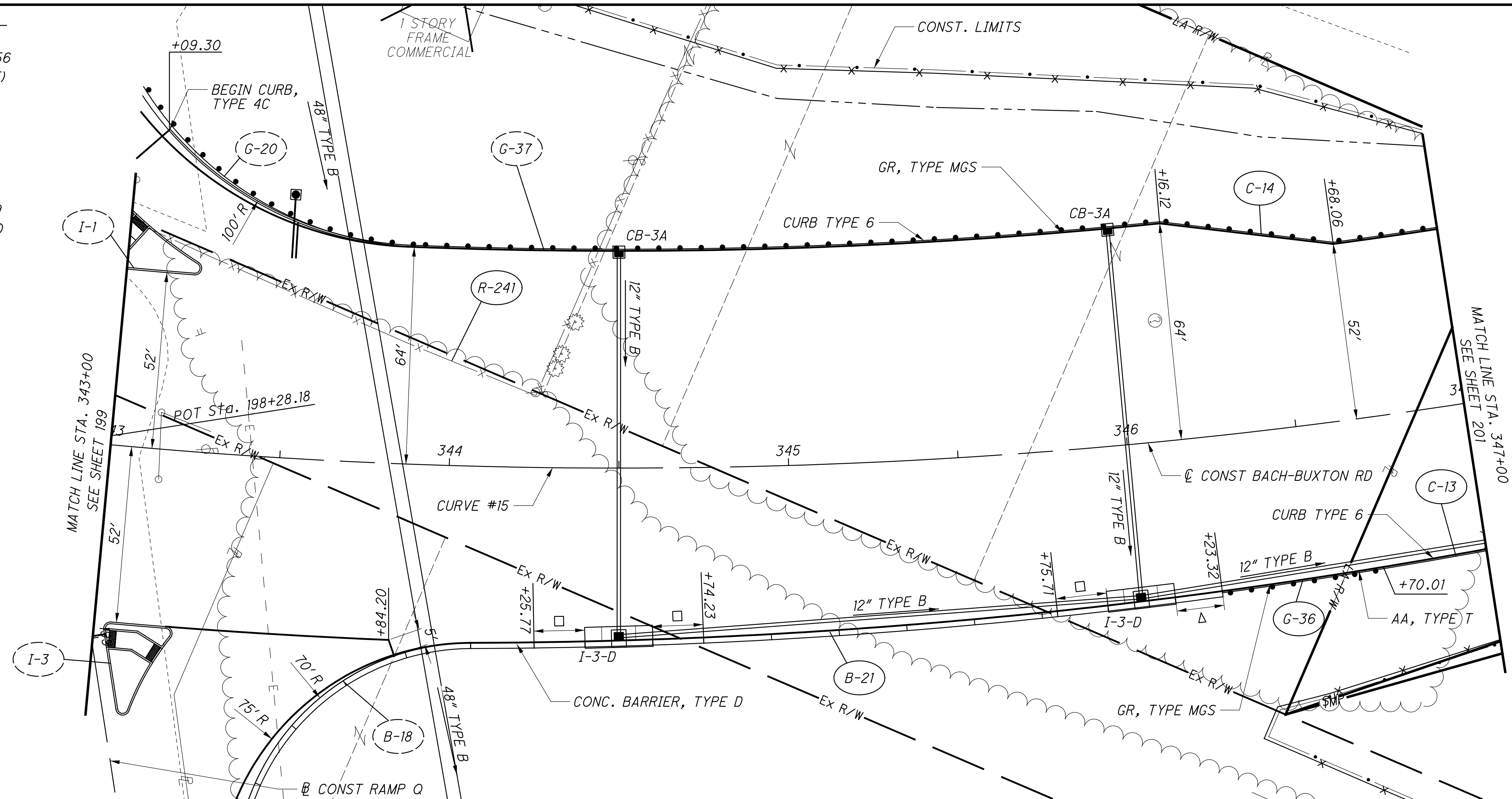
BACH-BUXTON RD

CURVE #15
 P.I. Sta. 342+87.56
 $\Delta = 34^\circ 54' 20''$ (LT)
 $Dc = 3^\circ 30' 00''$
 $R = 1,637.02'$
 $T = 514.67'$
 $L = 997.30'$
 $E = 79.00'$
 $\theta_{max} = NC$
 PC Sta. 337+72.89
 PT Sta. 347+70.20

BARRIER LEGEND
 Δ END SECTION, TYPE D
 \square END ANCHORAGE, TYPE D
 ϕ END SECTION, TYPE C1



CALCULATED: GAH
 CHECKED: WAA

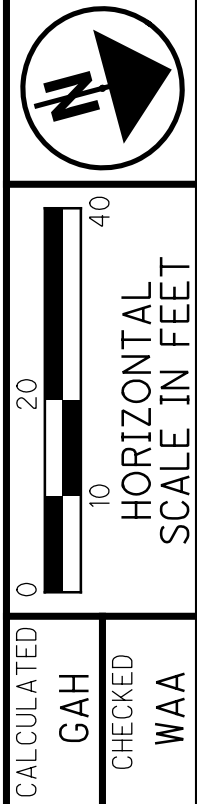
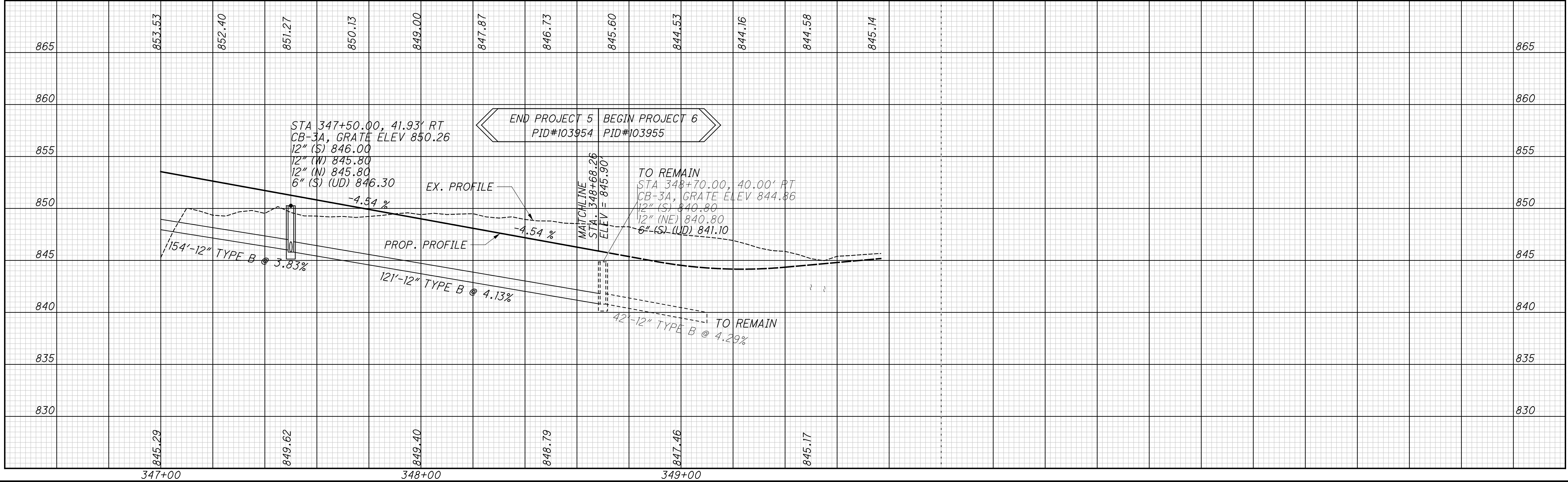
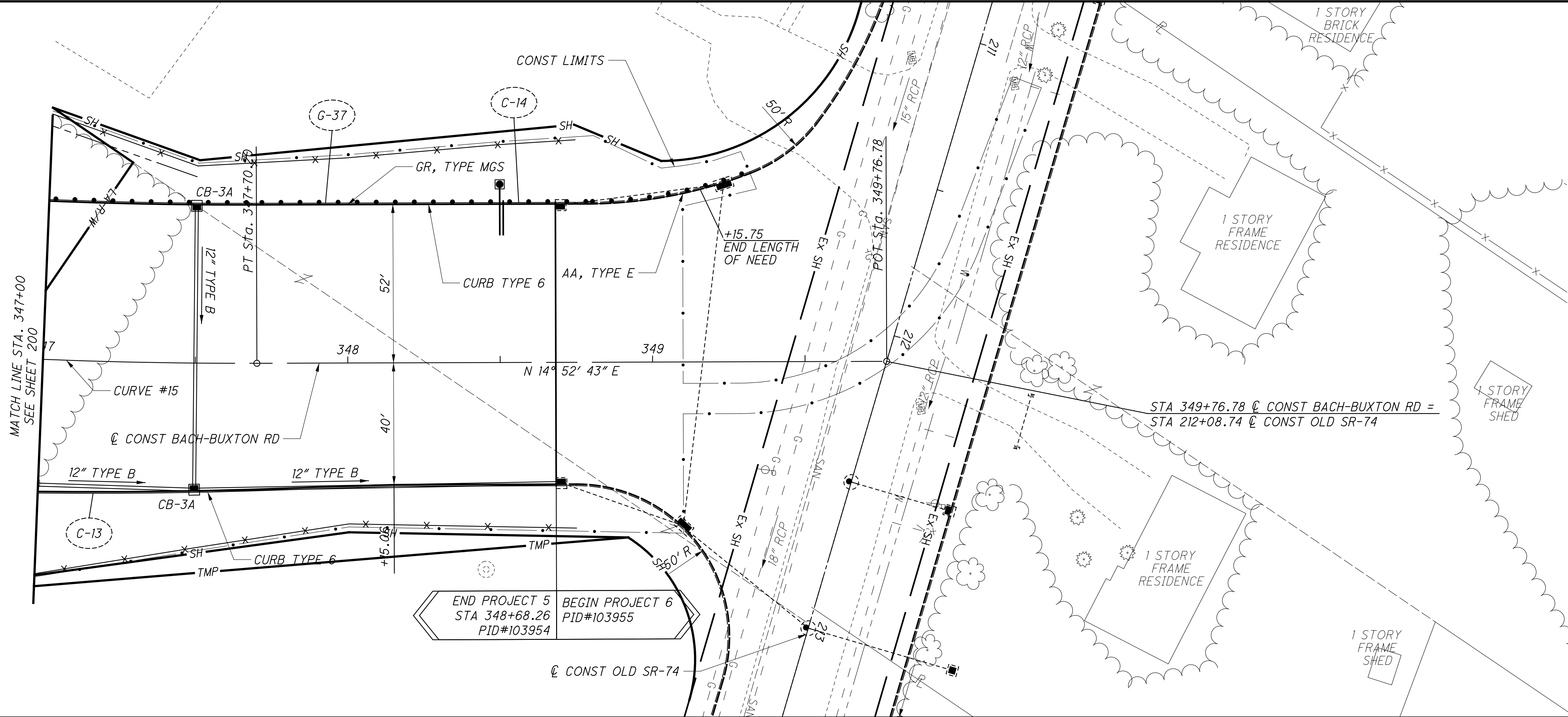


PLAN AND PROFILE - BACH-BUXTON RD
 STA 343+00 TO STA 347+00

CLE-32-3.50
 (PHASE 5)

200
 736

BACH-BUXTON RD
 CURVE #15
 P.I. Sta. 342+87.56
 $\Delta = 34^\circ 54' 20''$ (LT)
 $D_c = 3^\circ 30' 00''$
 $R = 1,637.02'$
 $T = 514.67'$
 $L = 997.30'$
 $E = 79.00'$
 $e_{max} = NC$
 PC Sta. 337+72.89
 PT Sta. 347+70.20



PLAN AND PROFILE - BACH-BUXTON RD
 STA 347+00 TO STA 349+76.78

CLE-32-3.50
 (PHASE 5)

201
 736

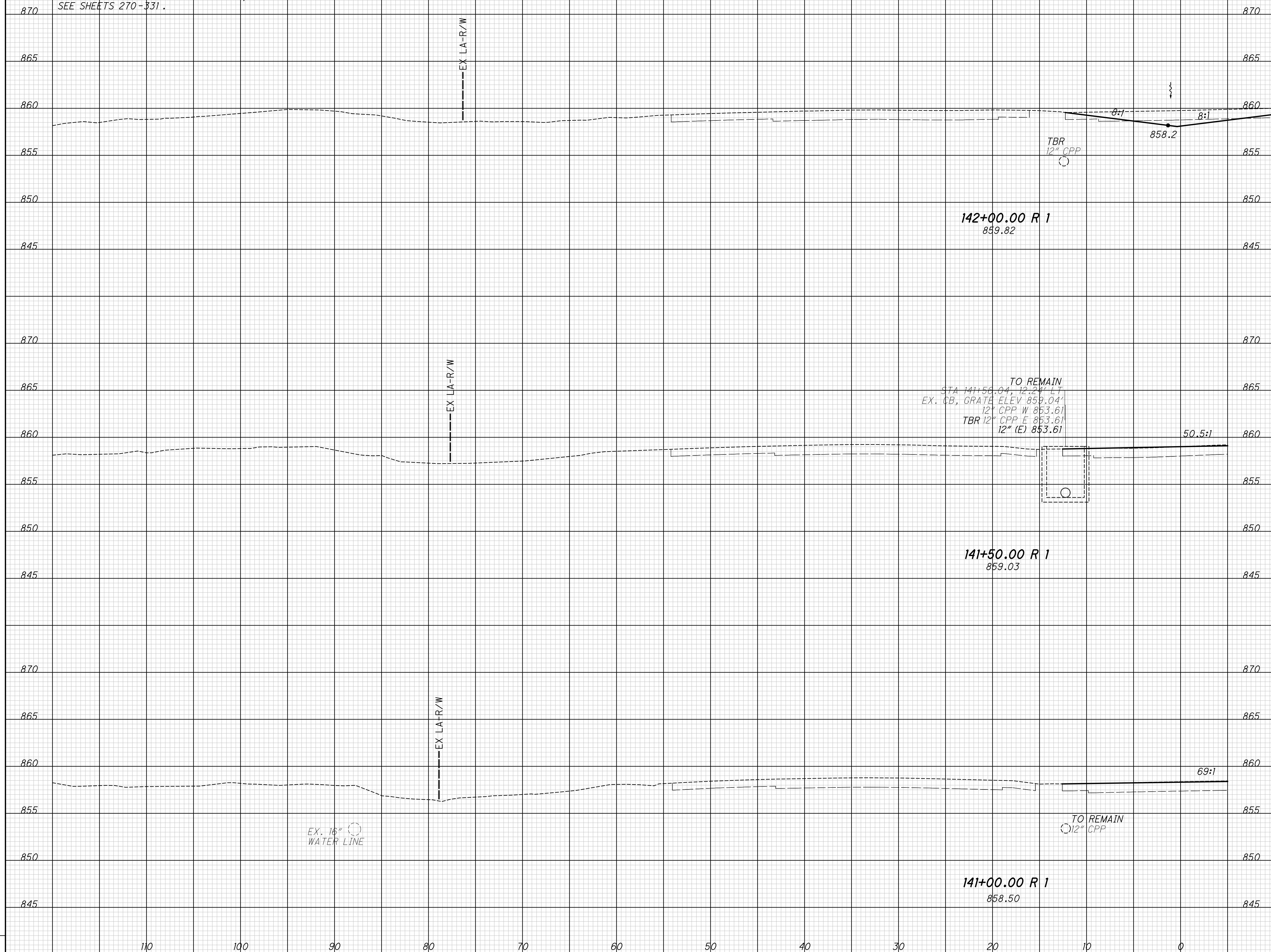
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SEEDING
END WIDTH SQ. YDS.

NOTE:
FOR SR-32 LEFT AND RIGHT EARTHWORK
AND SEEDING & MULCHING QUANTITIES,
SEE SHEETS 270-331.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED MSW CHECKED WAA



CROSS SECTIONS - SR-32 LT
STA. 141+00.00 TO STA. 142+00.00

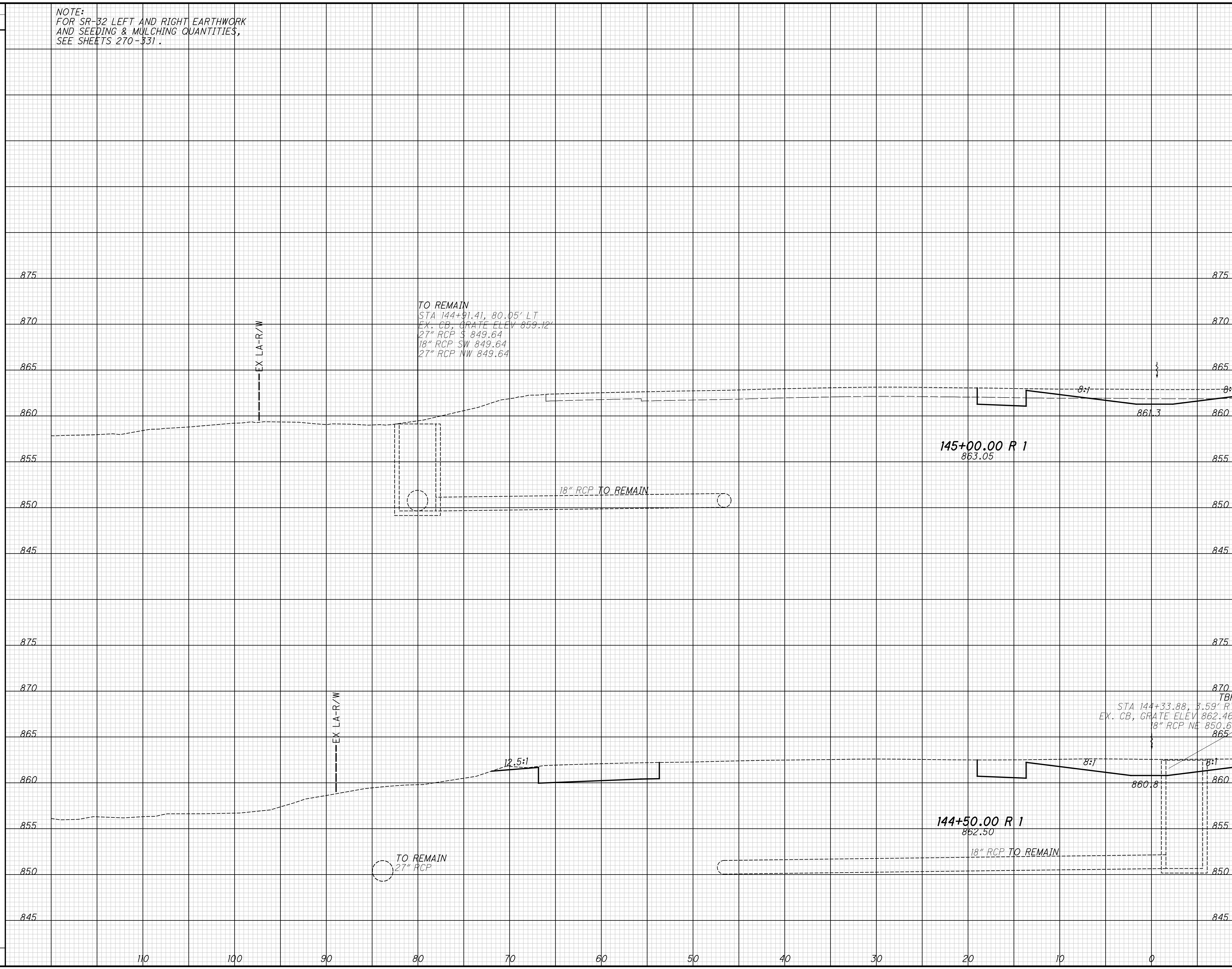
CLE-35-3.50
PHASE 5

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SEEDING
END WIDTH SQ. YDS.

NOTE:
FOR SR-32 LEFT AND RIGHT EARTHWORK
AND SEEDING & MULCHING QUANTITIES,
SEE SHEETS 270-331.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED MSW CHECKED WAA



CROSS SECTIONS - SR-32 LT
STA. 144+50.00 TO STA. 145+00.00

CLE-35-3.50
PHASE 5

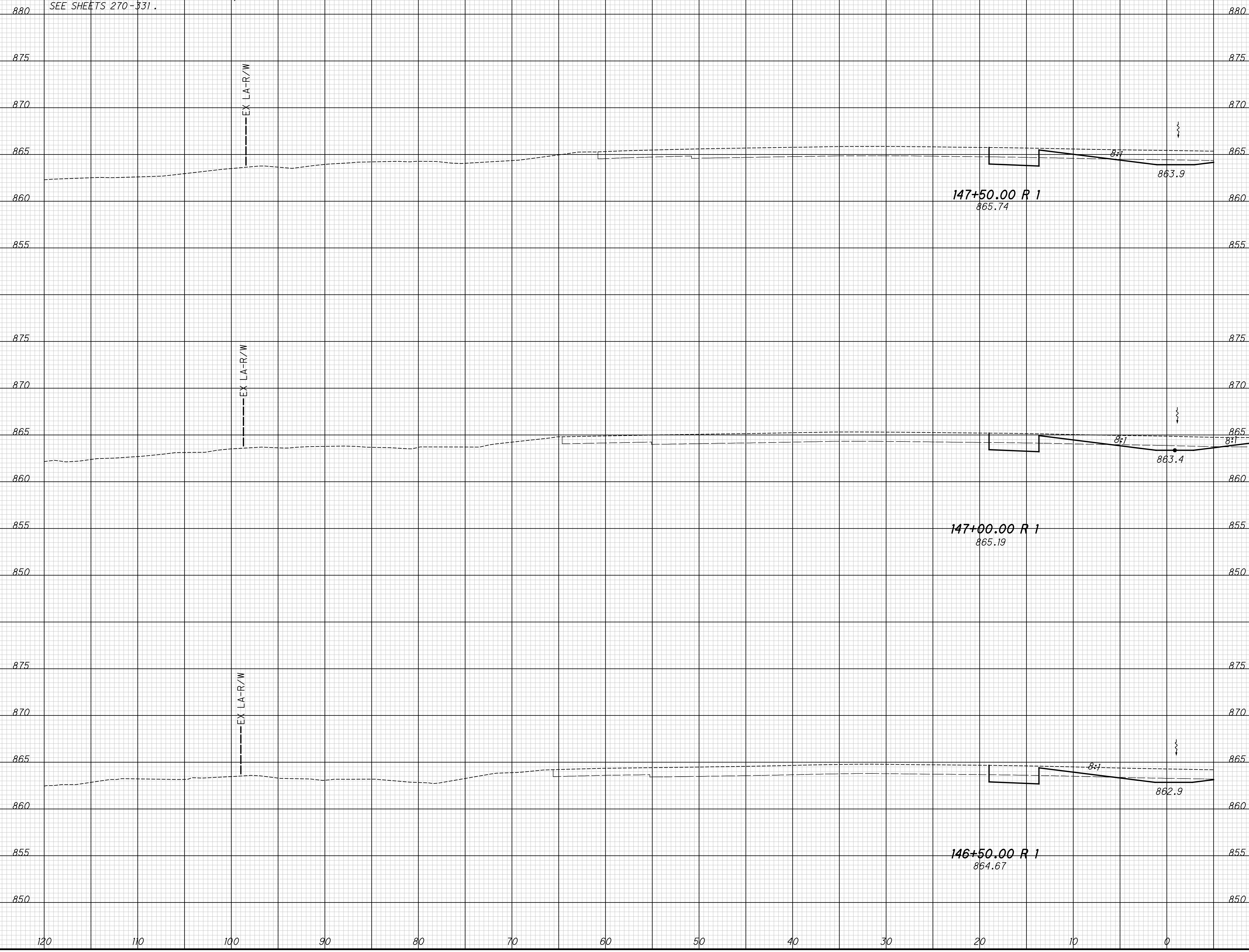
216
736

...303.205\103954_XS501L.dgn 11/19/2021 1:42:30 PM mswhtt

SEEDING
END WIDTH SQ. YDS.

NOTE:
FOR SR-32 LEFT AND RIGHT EARTHWORK
AND SEEDING & MULCHING QUANTITIES,
SEE SHEETS 270-331.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED MSW CHECKED WAA



CROSS SECTIONS - SR-32 LT
STA. 146 + 50.00 TO STA. 147 + 50.00

CLE-35-3.50
PHASE 5

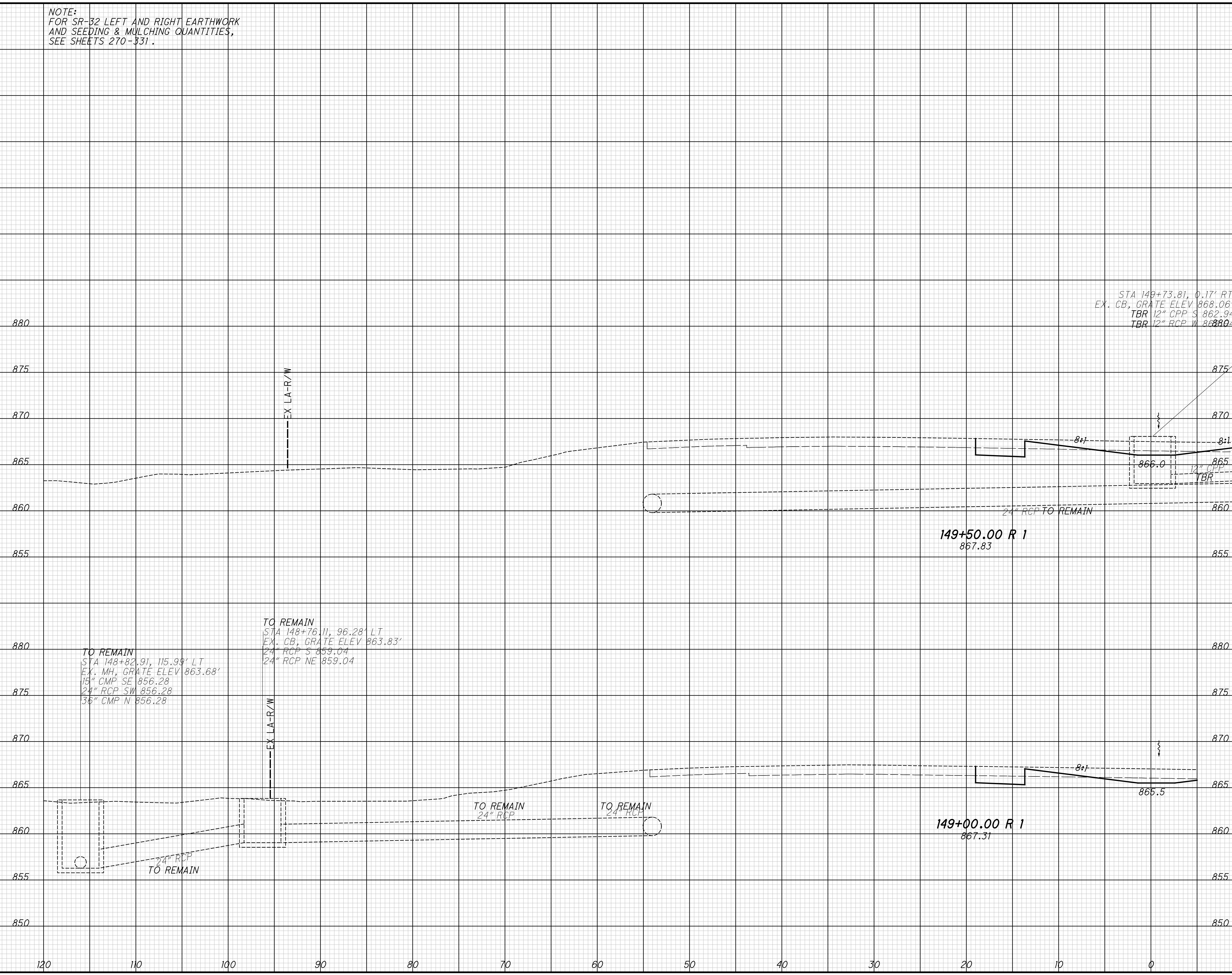
218
736

...303.205\103954_XS501L.dgn 11/19/2021 1:43:20 PM mswhatt

SEEDING	
END WIDTH	SO. YDS.

NOTE:
FOR SR-32 LEFT AND RIGHT EARTHWORK
AND SEEDING & MULCHING QUANTITIES,
SEE SHEETS 270-331.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	MSW	WAA



TO REMAIN
STA 148+82.91, 115.99' LT
EX. MH, GRATE ELEV 863.68'
15" CMP SE 856.28
24" RCP SW 856.28
36" CMP N 856.28

TO REMAIN
STA 148+76.11, 96.28' LT
EX. CB, GRATE ELEV 863.83'
24" RCP S 859.04
24" RCP NE 859.04

STA 149+73.81, 0.17' RT
EX. CB, GRATE ELEV 868.06'
TBR 12" CPP S 862.94
TBR 12" RCP W 868.04

149+50.00 R 1
867.83

149+00.00 R 1
867.31

CROSS SECTIONS - SR-32 LT
STA. 149+00.00 TO STA. 149+50.00

CLE-35-3.50
PHASE 5

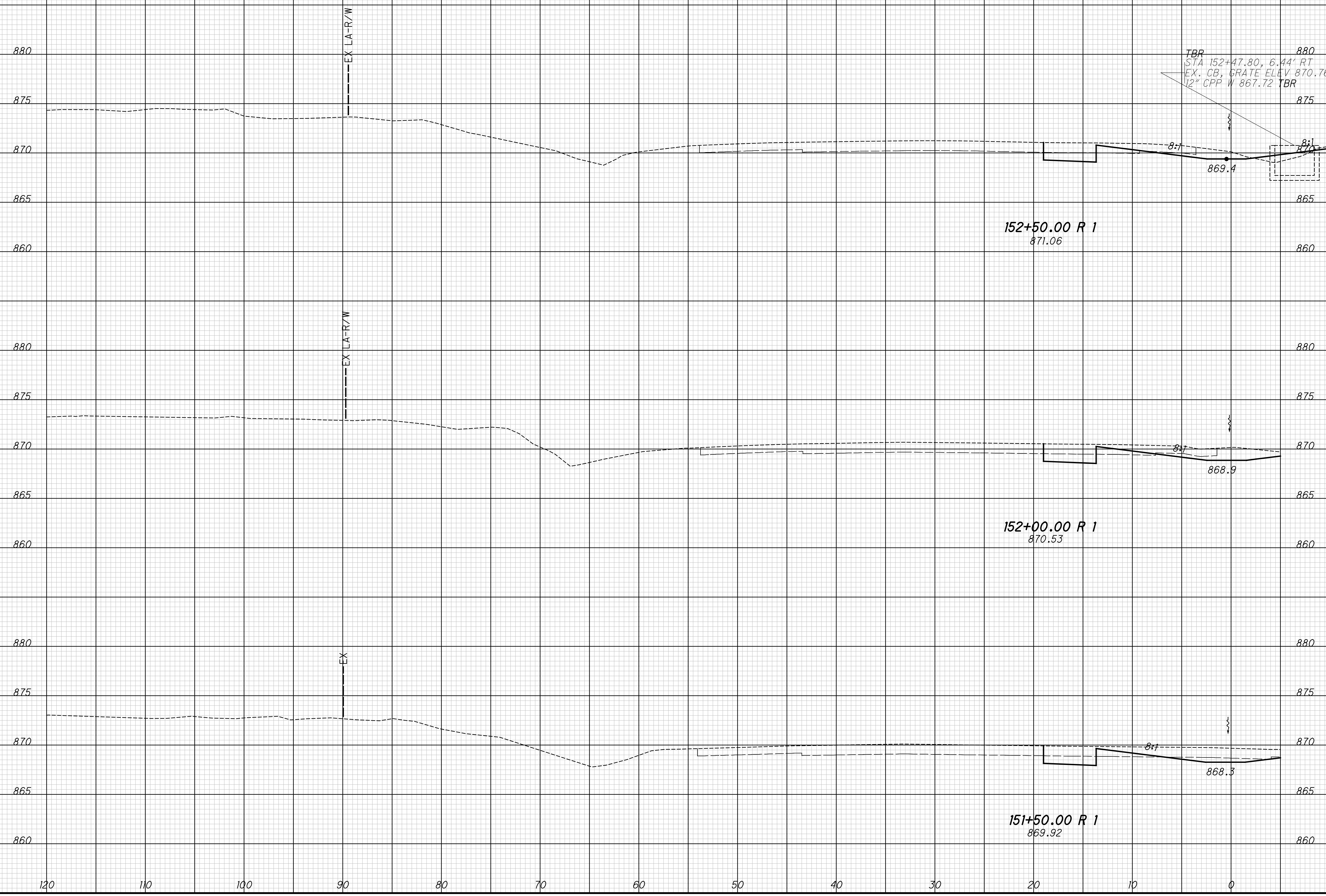
220
736

...303.205\103954_XS501L.dgn 11/19/2021 1:43:20 PM mswhtt

SEEDING
END SO.
WIDTH YDS.

NOTE:
FOR SR-32 LEFT AND RIGHT EARTHWORK
AND SEEDING & MULCHING QUANTITIES,
SEE SHEETS 270-331.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED
MSW
CHECKED
WAA



CROSS SECTIONS - SR-32 LT
STA. 151+50.00 TO STA. 152+50.00

CLE-35-3.50
PHASE 5

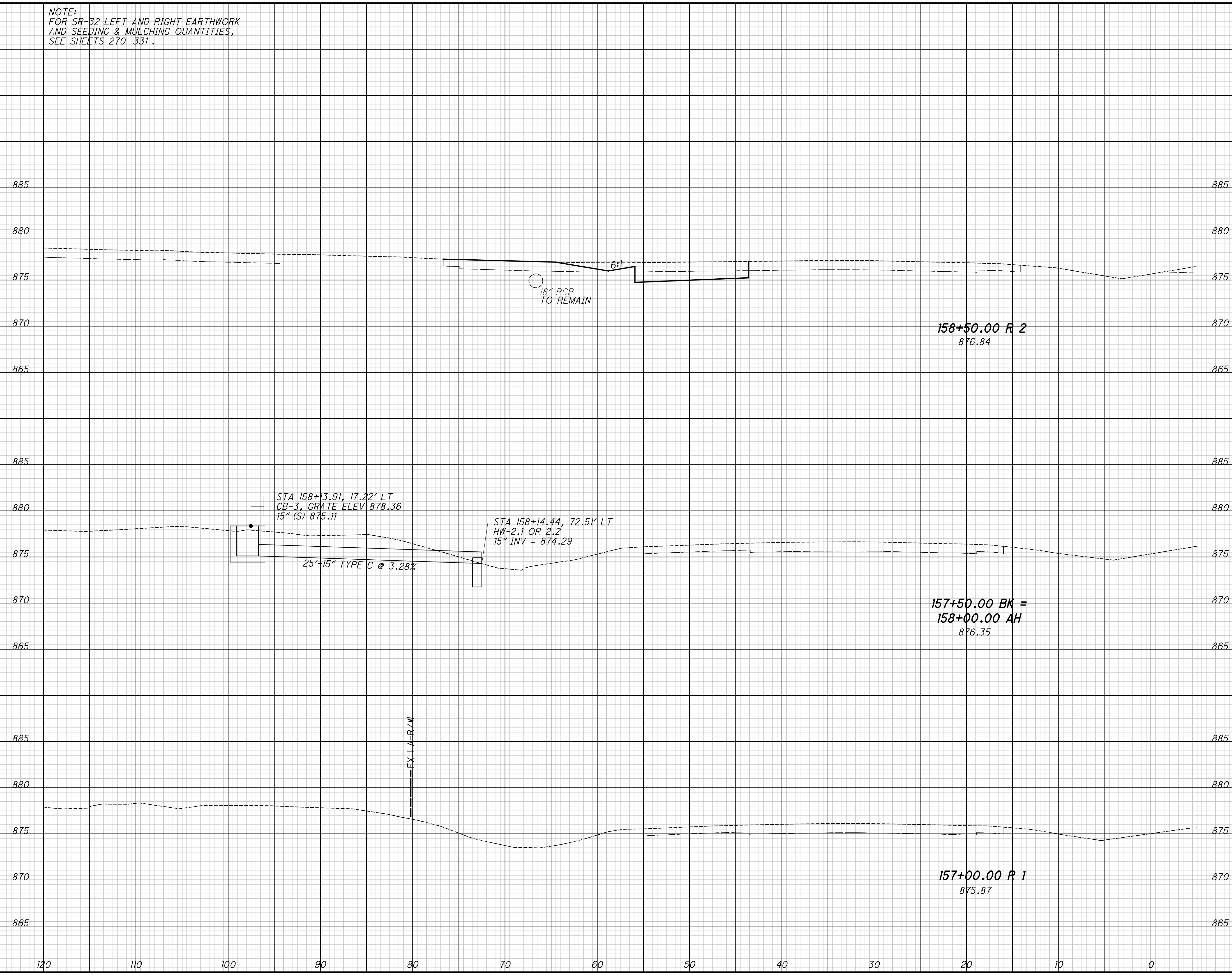
222
736

...303.205\103954_XS501L.dgn 11/19/2021 1:44:06 PM mswhtt

SEEDING
END WIDTH SQ. YDS.

NOTE:
FOR SR-32 LEFT AND RIGHT EARTHWORK
AND SEEDING & MULCHING QUANTITIES,
SEE SHEETS 270-331.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED MSW CHECKED WAA



CROSS SECTIONS - SR-32 LT
STA. 157+00.00 TO STA. 158+50.00

CLE-35-3.50
PHASE 5

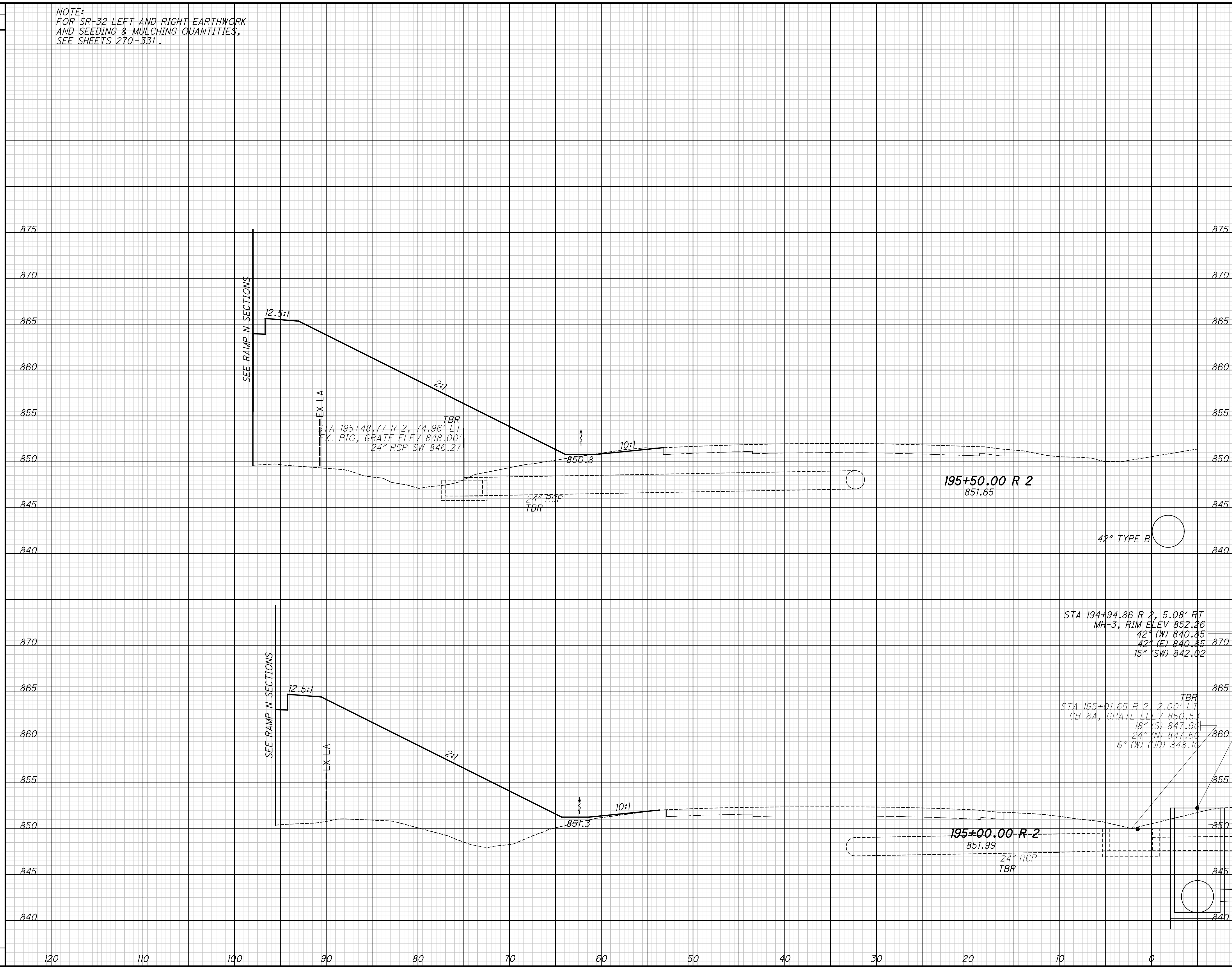
224
736

...303.205\103954_XS501L.dgn 11/19/2021 1:46:32 PM mswwhitt

SEEDING
END WIDTH SQ. YDS.

NOTE:
FOR SR-32 LEFT AND RIGHT EARTHWORK
AND SEEDING & MULCHING QUANTITIES,
SEE SHEETS 270-331.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED MSW CHECKED WAA



CROSS SECTIONS - SR-32 LT
STA. 195+00.00 TO STA. 195+50.00

CLE-35-3.50
PHASE 5

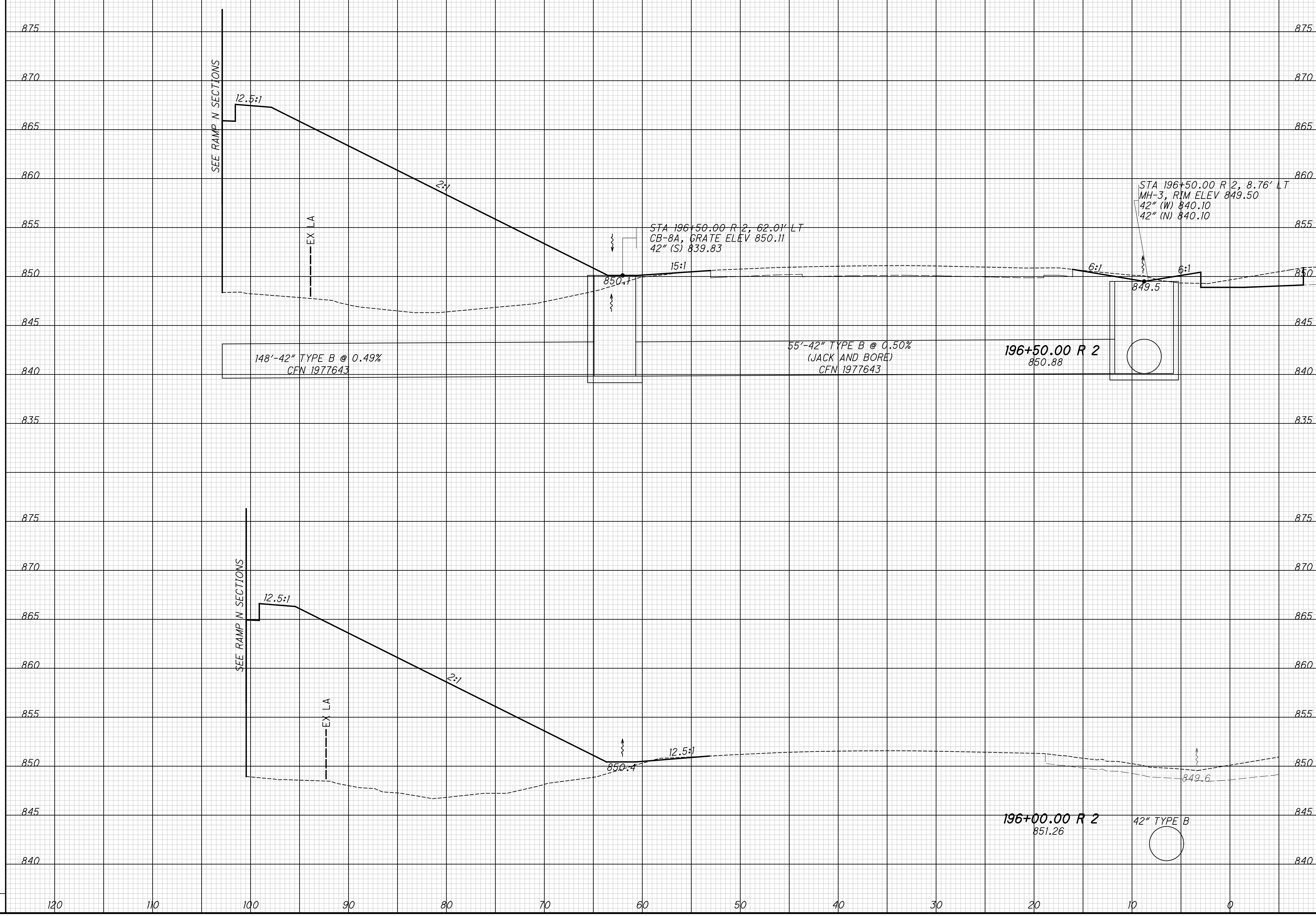
244
736

...303.205\103954_XS501L.dgn 11/19/2021 1:46:32 PM mswwhitt

SEEDING
END WIDTH SQ. YDS.

NOTE:
FOR SR-32 LEFT AND RIGHT EARTHWORK
AND SEEDING & MULCHING QUANTITIES,
SEE SHEETS 270-331.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED MSW CHECKED WAA



CROSS SECTIONS - SR-32 LT
STA. 196+00.00 TO STA. 196+50.00

CLE-35-3.50
PHASE 5

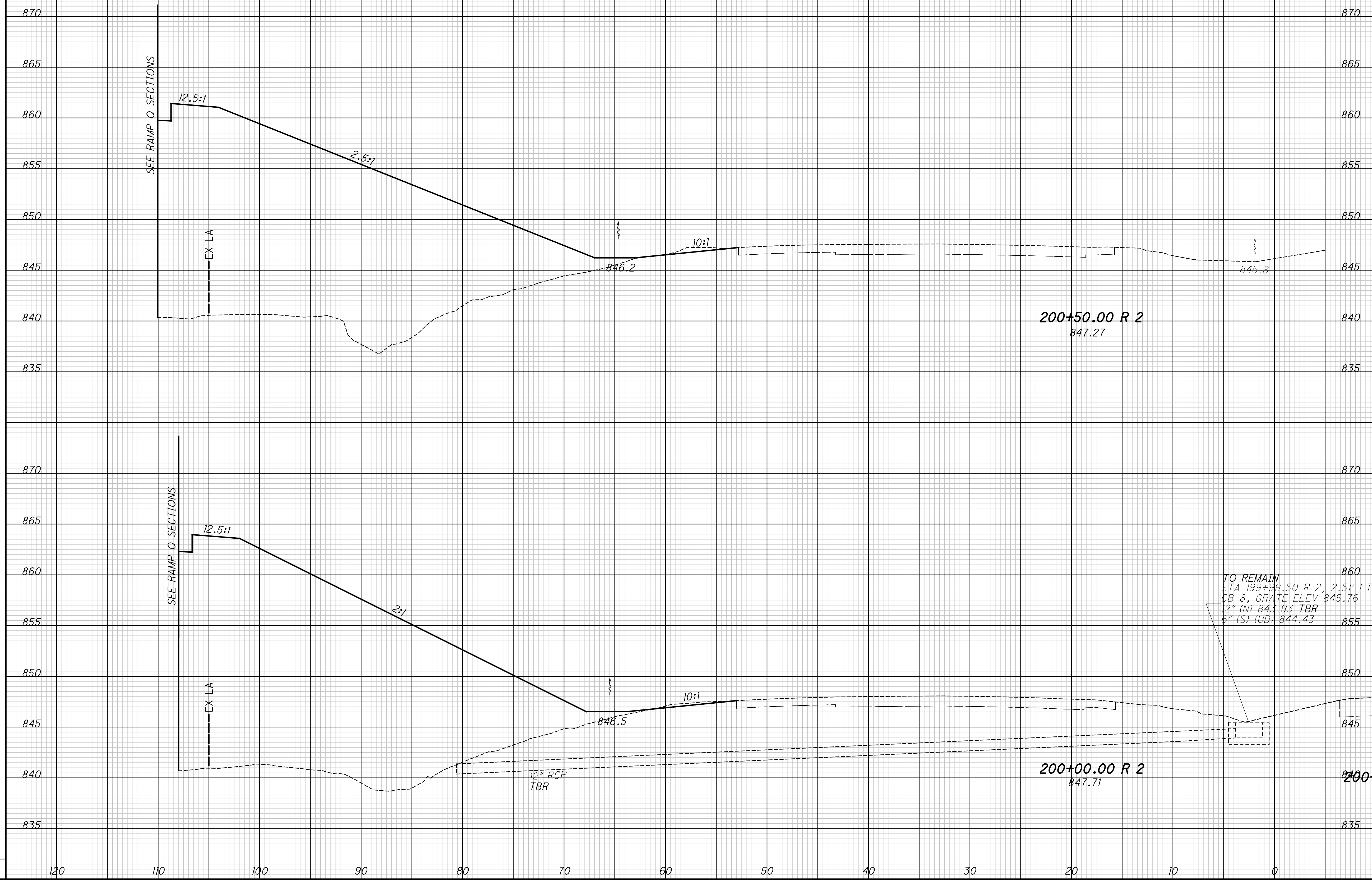
245
736

...303.205\103954_XS501L.dgn 11/19/2021 1:47:15 PM mshwhitt

SEEDING
END WIDTH SQ. YDS.

NOTE:
FOR SR-32 LEFT AND RIGHT EARTHWORK
AND SEEDING & MULCHING QUANTITIES,
SEE SHEETS 270-331.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED MSW CHECKED WAA



CROSS SECTIONS - SR-32 LT
STA. 200+00.00 TO STA. 200+50.00

CLE-35-3.50
PHASE 5

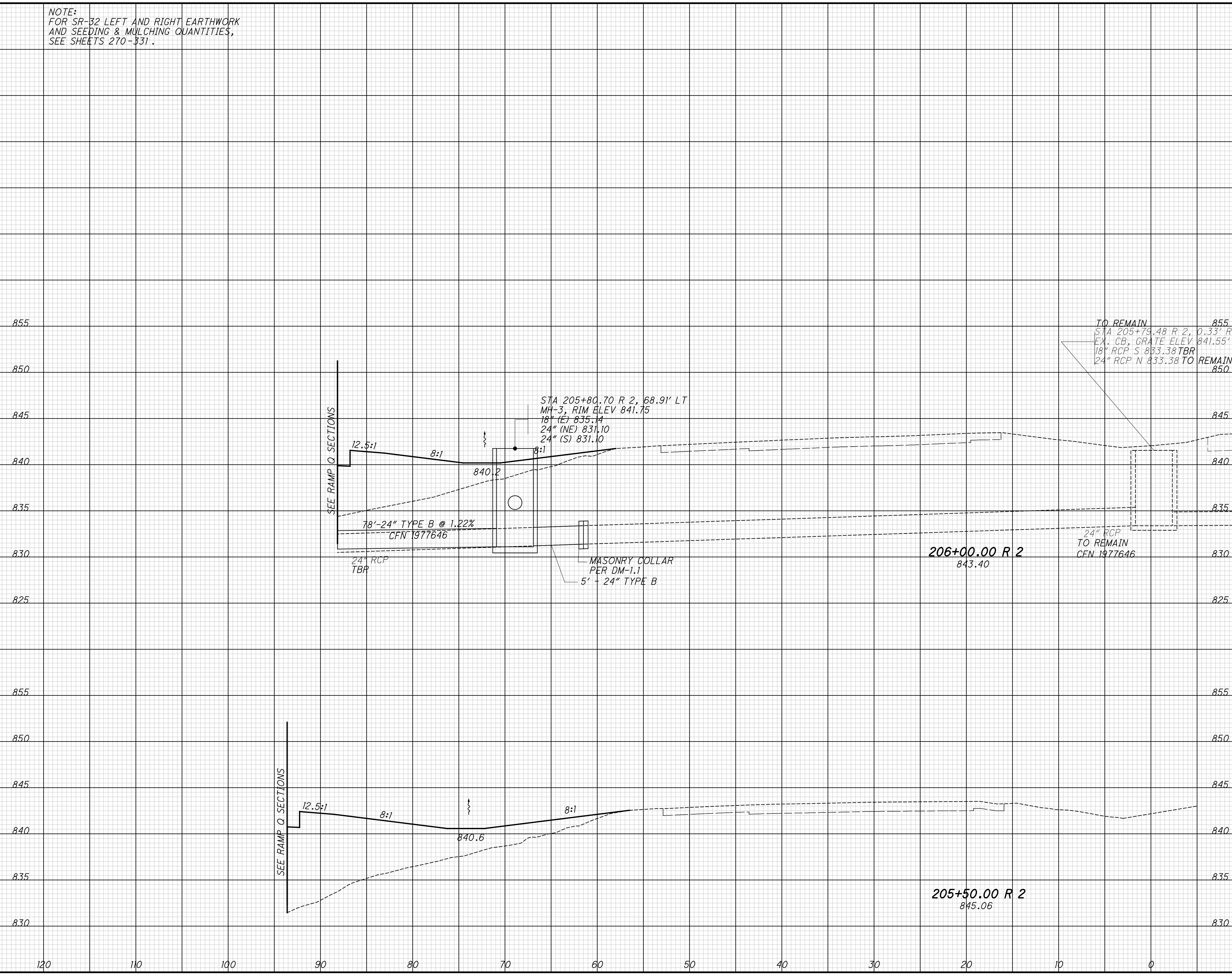
249
736

...303.205\103954_XS501L.dgn 11/19/2021 1:47:52 PM mswhtt

SEEDING
END WIDTH SQ. YDS.

NOTE:
FOR SR-32 LEFT AND RIGHT EARTHWORK
AND SEEDING & MULCHING QUANTITIES,
SEE SHEETS 270-331.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED
MSW CHECKED
WAA



CROSS SECTIONS - SR-32 LT
STA. 205+50.00 TO STA. 206+00.00

CLE-35-3.50
PHASE 5

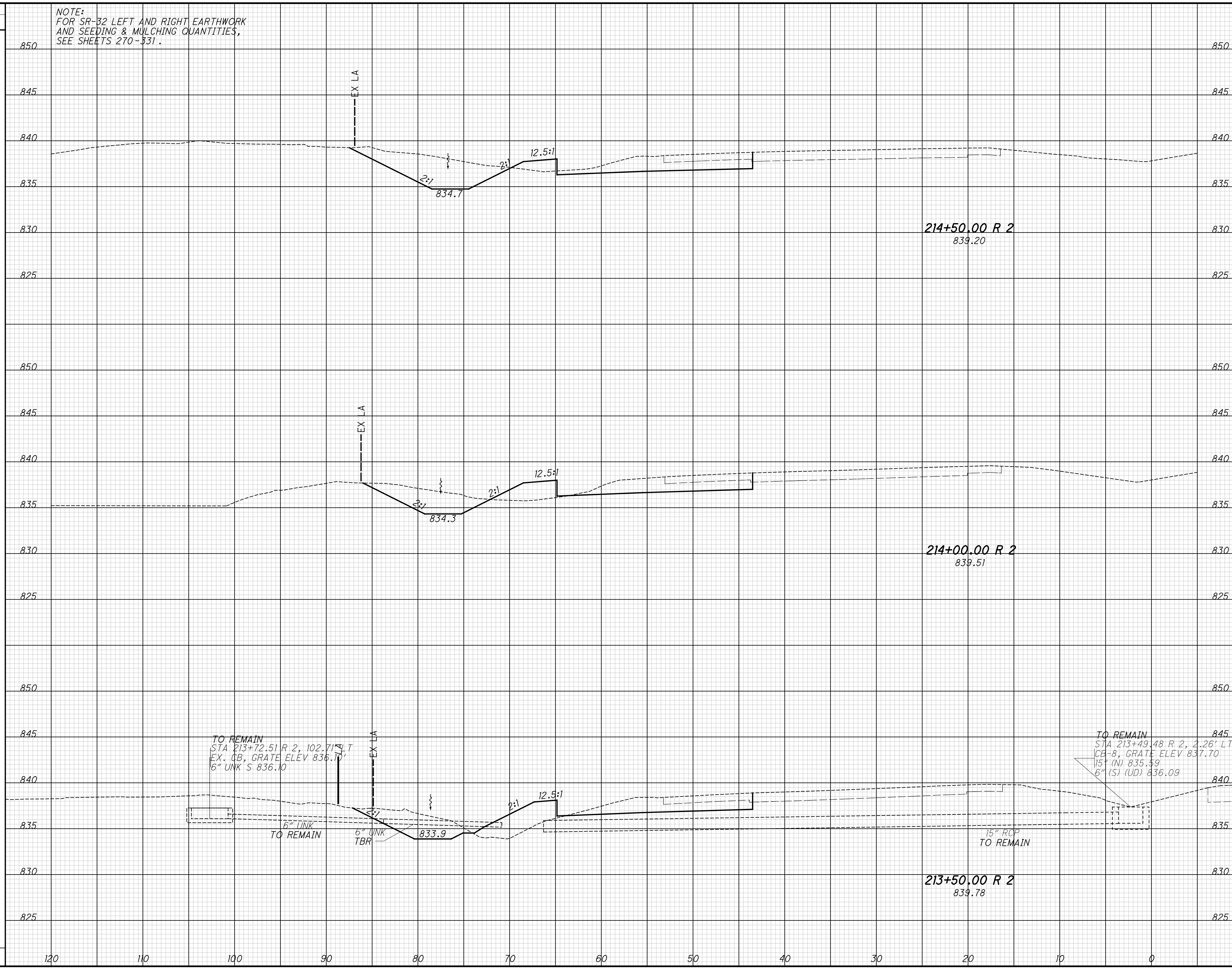
254
736

...303.205\103954_XS501L.dgn 11/19/2021 1:48:40 PM mswhatt

SEEDING	
END WIDTH	SO. YDS.

NOTE:
FOR SR-32 LEFT AND RIGHT EARTHWORK
AND SEEDING & MULCHING QUANTITIES,
SEE SHEETS 270-331.

END AREA		VOLUME		CALCULATED MSW	CHECKED WAA
CUT	FILL	CUT	FILL		

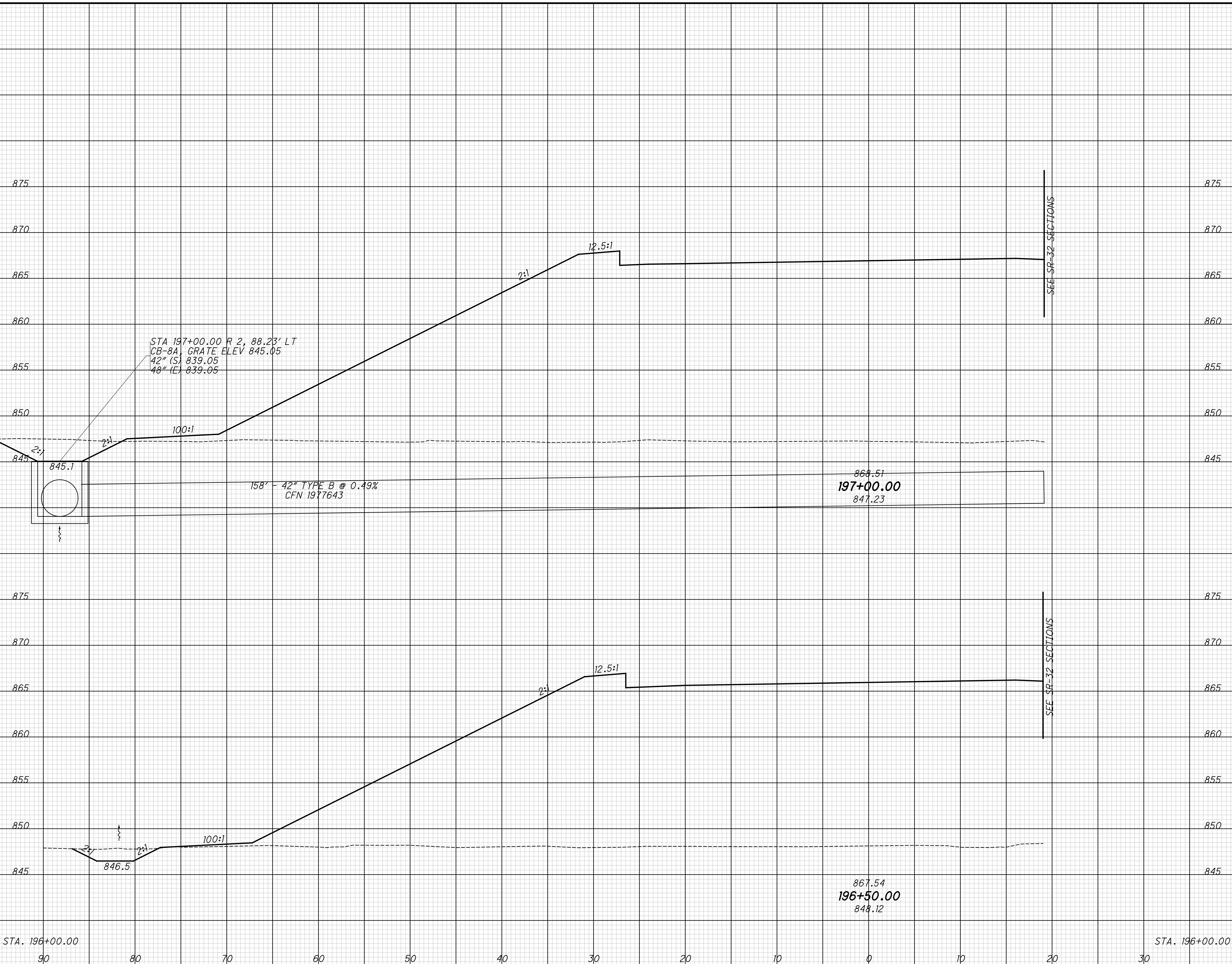


CROSS SECTIONS - SR-32 LT
STA. 213+50.00 TO STA. 214+50.00

CLE-35-3.50
PHASE 5

...303.205\103954_XS504.dgn 11/19/2021 1:50:40 PM mshwhitt

SEEDING	
END WIDTH	SO. YDS.
734	90
356	80
66	70
378	60
70	50



STA 197+00.00 R 2, 88.23' LT
 CB-8A, GRATE ELEV 845.05
 42" (S) 839.05
 48" (L) 839.05

158' - 42" TYPE B @ 0.49%
 CFN 1977643

868.51
197+00.00
 847.23

867.54
196+50.00
 848.12

END AREA	VOLUME	CALCULATED		CHECKED	
		CUT	FILL	MSW	WAA
10	1432				
9	1246				
8	1098				
18	2480				
15	2171				
33	4651				

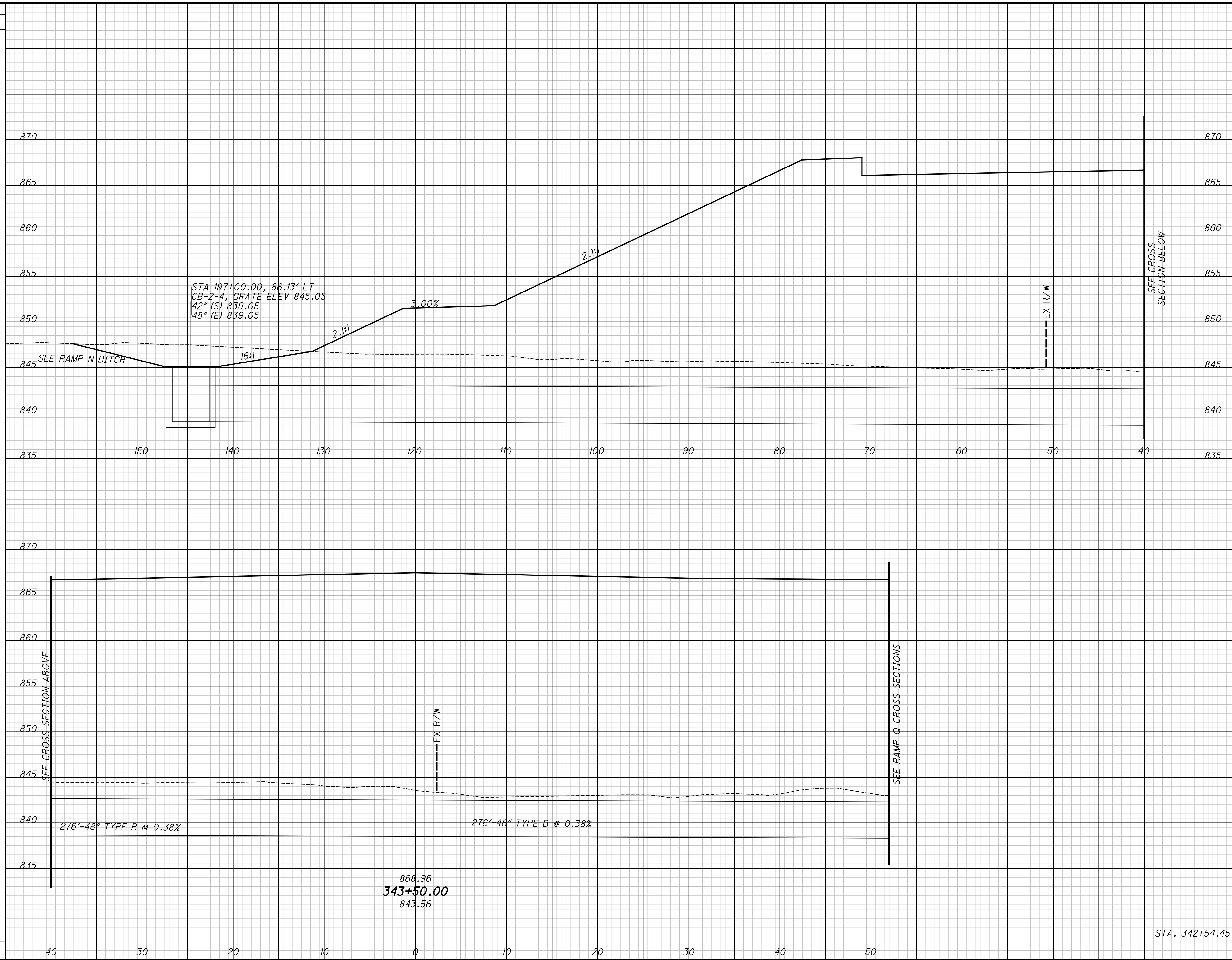
CROSS SECTIONS - RAMP N
STA. 196+50.00 TO STA. 197+00.00

CLE-32-3.50
(PHASE 5)

338
 736

...303.205\103954_XS512.dgn 11/19/2021 1:53:34 PM mswhit

SEEDING	
END WIDTH	SO. YDS.
0	0
40	30
30	20
20	10
10	0
0	10
10	20
20	30
30	40
40	50
50	60
60	70
70	80
80	90
90	100
100	110
110	120
120	130
130	140
140	150

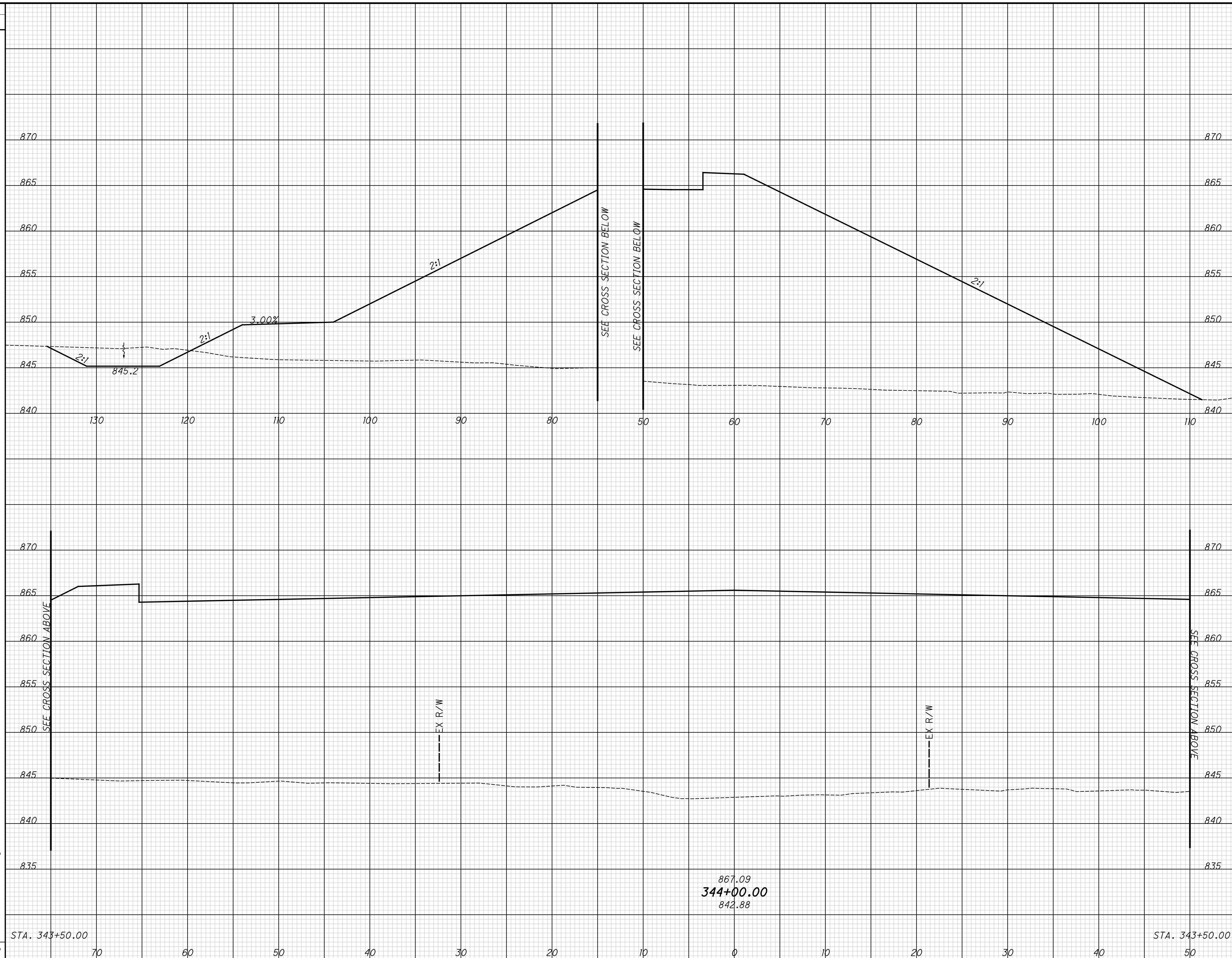


END AREA		VOLUME		CALCULATED		CHECKED	
CUT	FILL	CUT	FILL	GAH	WAA	GAH	WAA
38	3519	0	3305	381	736		
67	12076	67	12076				

CROSS SECTIONS - BACH BUXTON RD
STA. 343+50.00
CLE-32-3.50 (PHASE 5)

...303.205\103954_XS512.dgn 11/19/2021 1:53:35 PM mswhtt

SEEDING	
END WIDTH	SO. YDS.
642	93
642	642
139	642



END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	GAH	WAA
38	3519	57	6832		
24	3859	57	6832		

CROSS SECTIONS - BACH BUXTON RD
STA. 344+00.00

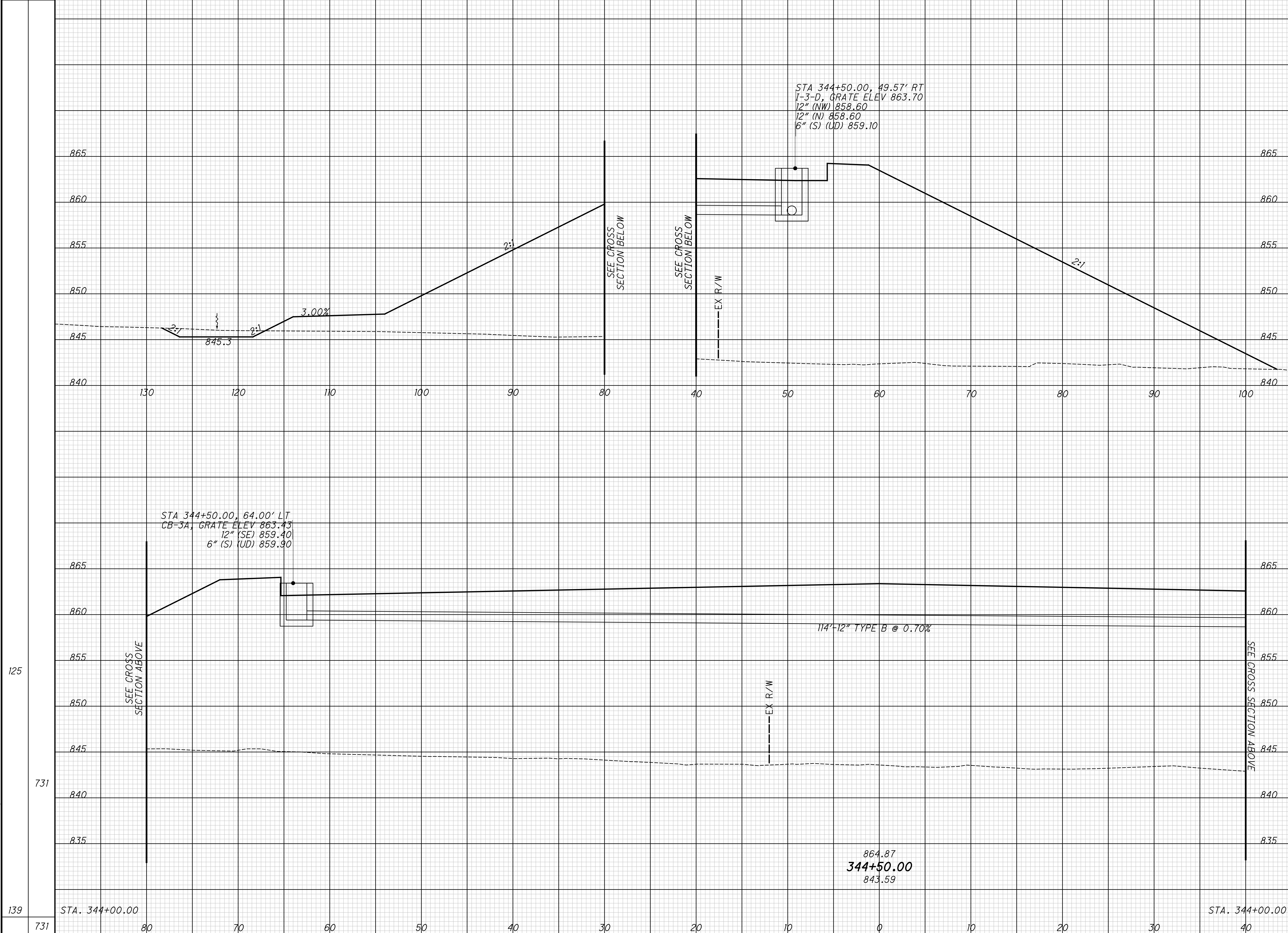
CLE-32-3.50
(PHASE 5)

382
736

...303.205\103954_XS512.dgn 11/19/2021 1:53:35 PM mswhtt

SEEDING
END SO.
WIDTH YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED
GAH
CHECKED
WAA



STA 344+50.00, 49.57' RT
I-3-D, GRATE ELEV 863.70
12" (NW) 858.60
12" (N) 858.60
6" (S) (UD) 859.10

STA 344+50.00, 64.00' LT
CB-3A, GRATE ELEV 863.43
12" (SE) 859.40
6" (S) (UD) 859.90

114'-12" TYPE B @ 0.70%

864.87
344+50.00
843.59

CROSS SECTIONS - BACH BUXTON RD
STA. 344+50.00

CLE-32-3.50
(PHASE 5)

383
736

7 3338

29 6664

24 3859

29 6664

125

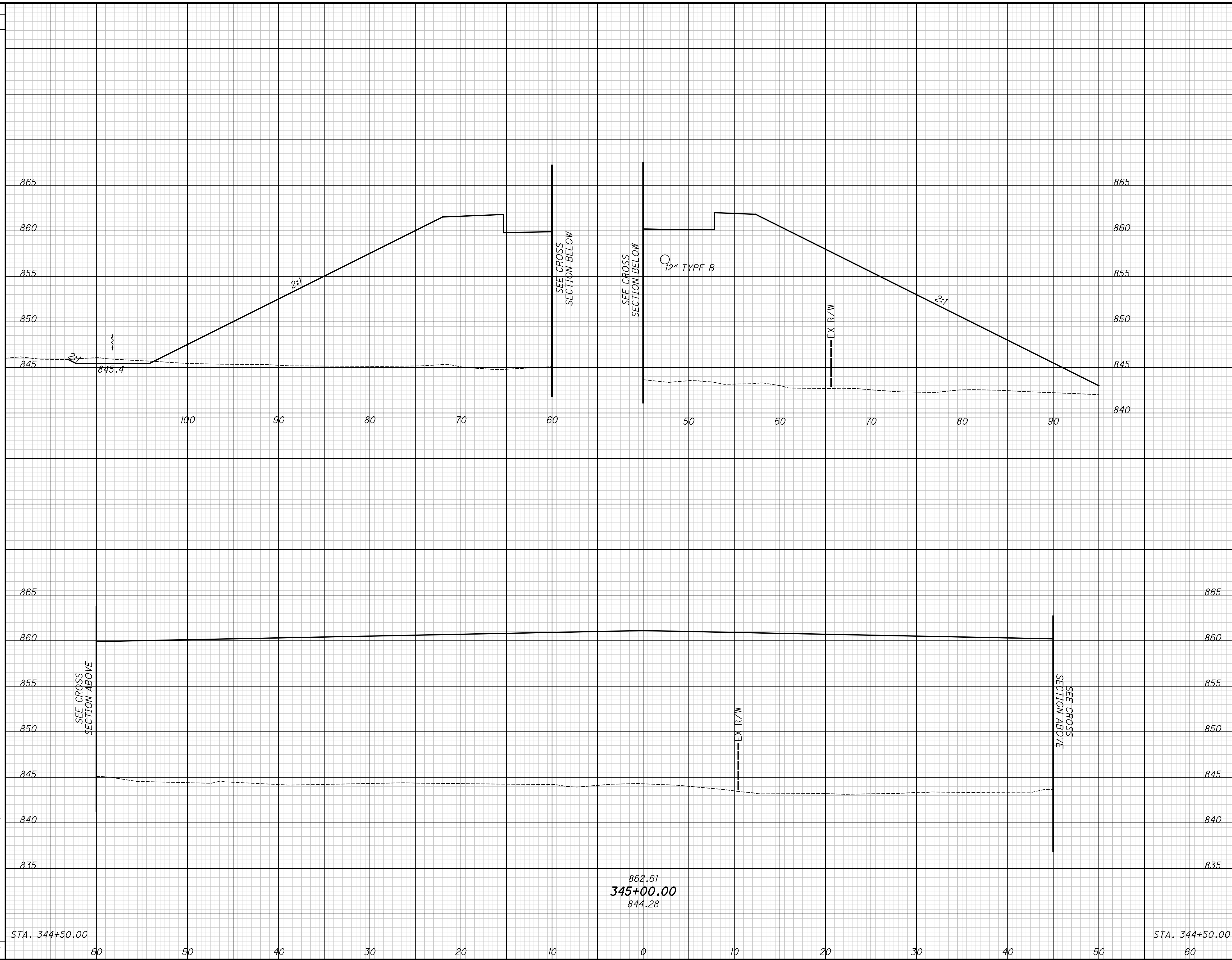
731

139

731

...303.205\103954_XS512.dgn 11/19/2021 1:53:35 PM mswhtt

SEEDING	
END WIDTH	SO. YDS.
633	125
633	103
633	633



END AREA	VOLUME	CALCULATED		CHECKED	
		CUT	FILL	GAH	WAA
4	2789				
11	5673				
7	3322				
11	5673				

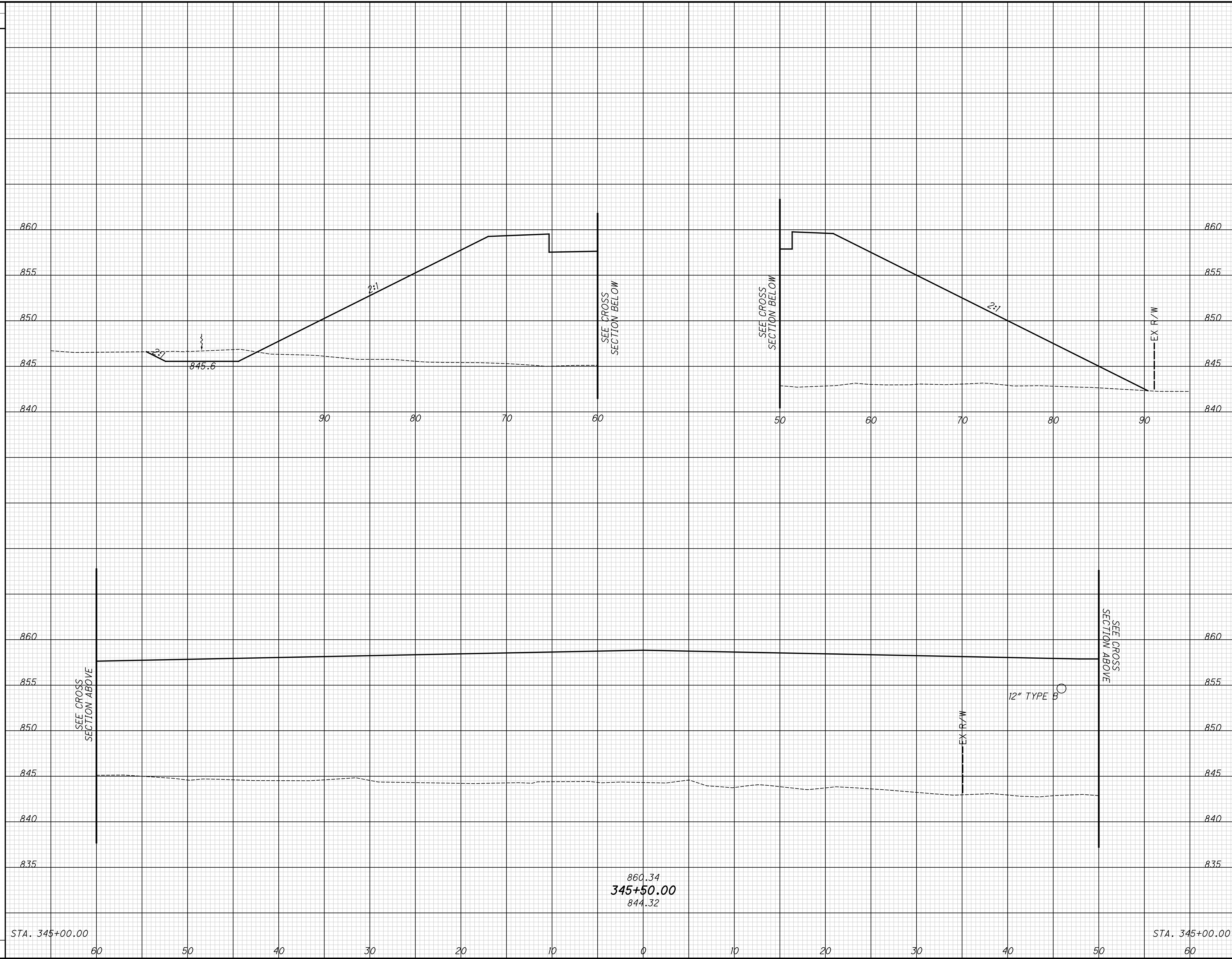
CROSS SECTIONS - BACH BUXTON RD
STA. 345+00.00

CLE-32-3.50
(PHASE 5)

384
736

...303.205\103954_XS512.dgn 11/19/2021 1:53:35 PM mswhtt

SEEDING
END SO.
WIDTH YDS.



END AREA		VOLUME		CALCULATED GAH	CHECKED WAA
CUT	FILL	CUT	FILL		
4	2789	15	4695		
12	2281	15	4695		

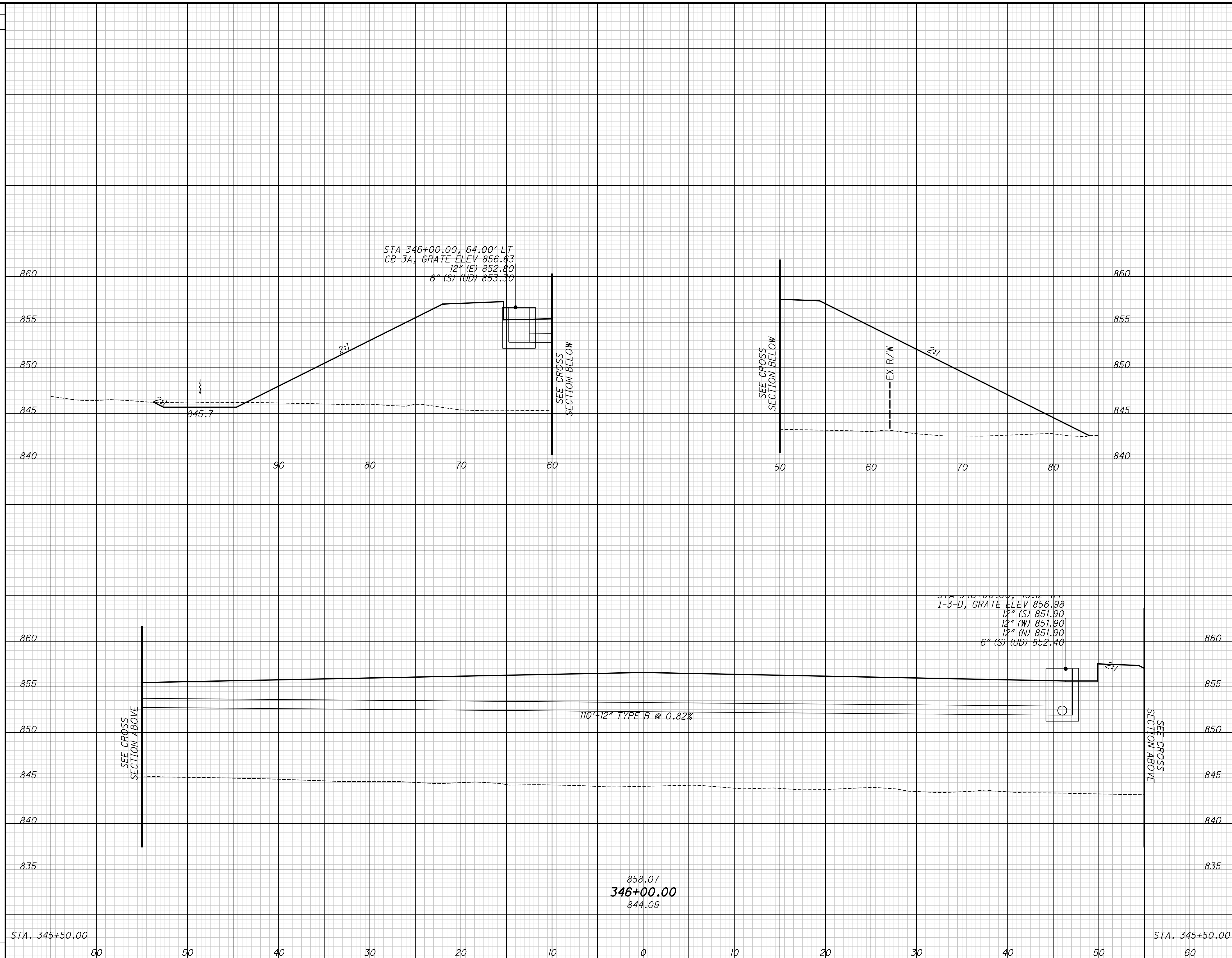
CROSS SECTIONS - BACH BUXTON RD
STA. 345+50.00

CLE-32-3.50
(PHASE 5)

385
736

...303.205\103954_XS512.dgn 11/19/2021 1:53:36 PM mswwhit

SEEDING	END AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
81			5	1825		
486			15	3802		
93	12	2281	15	3802		



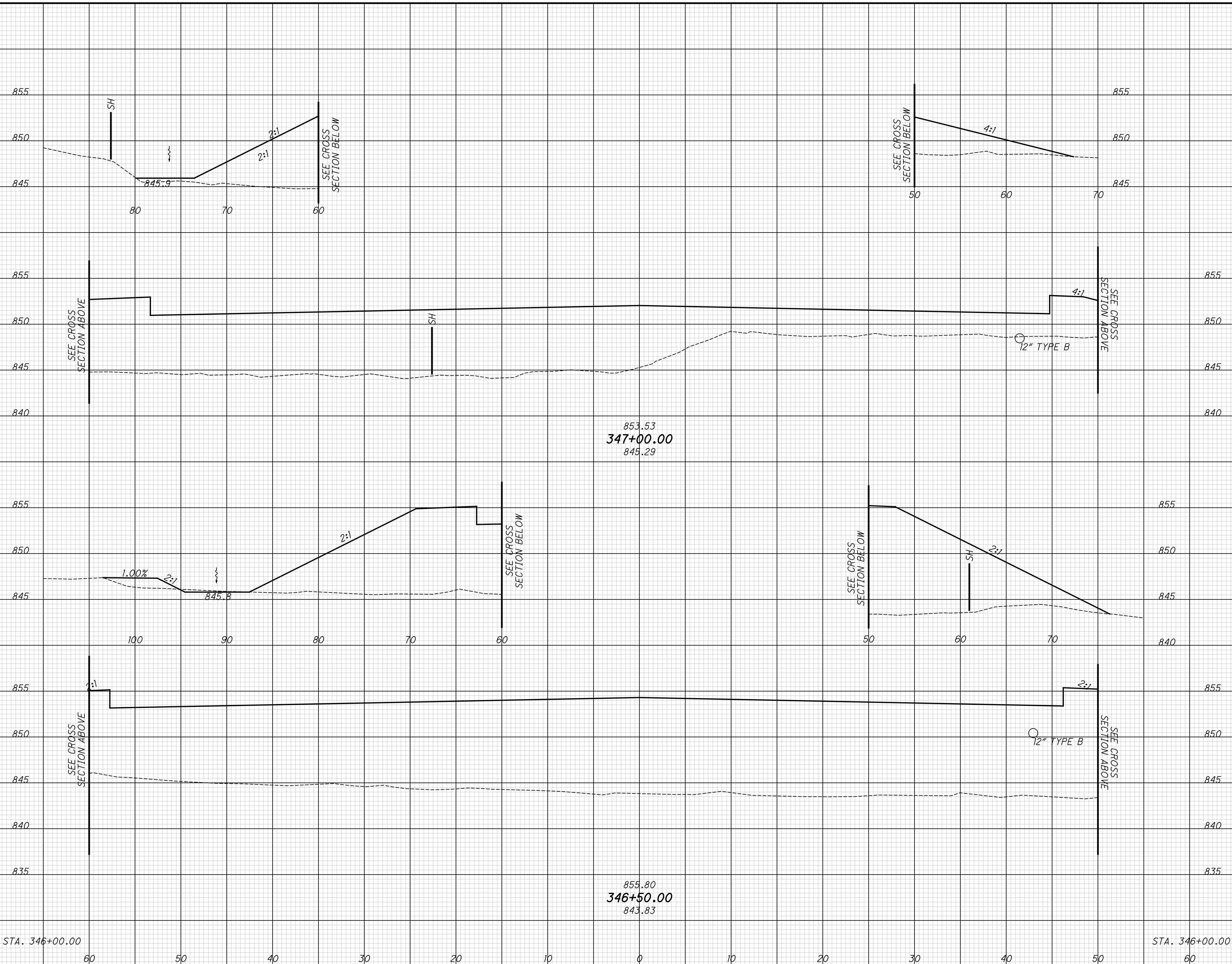
END AREA	VOLUME		CALCULATED	CHECKED
	CUT	FILL		
5	1825			
15	3802			
12	2281	15	3802	

CROSS SECTIONS - BACH BUXTON RD
STA. 346+00.00
CLE-32-3.50 (PHASE 5)

386
736

...303.205\103954_XS512.dgn 11/19/2021 1:53:36 PM mswwhit

SEEDING	END AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
53	0	683				
363			1	1888		
78	1	1357				
442			5	2946		
81	5	1825				
805	6	4834				



END AREA	VOLUME	CALCULATED	CHECKED
CUT	FILL	CUT	FILL
0	683		
		1	1888
1	1357		
		5	2946
5	1825		
6	4834		

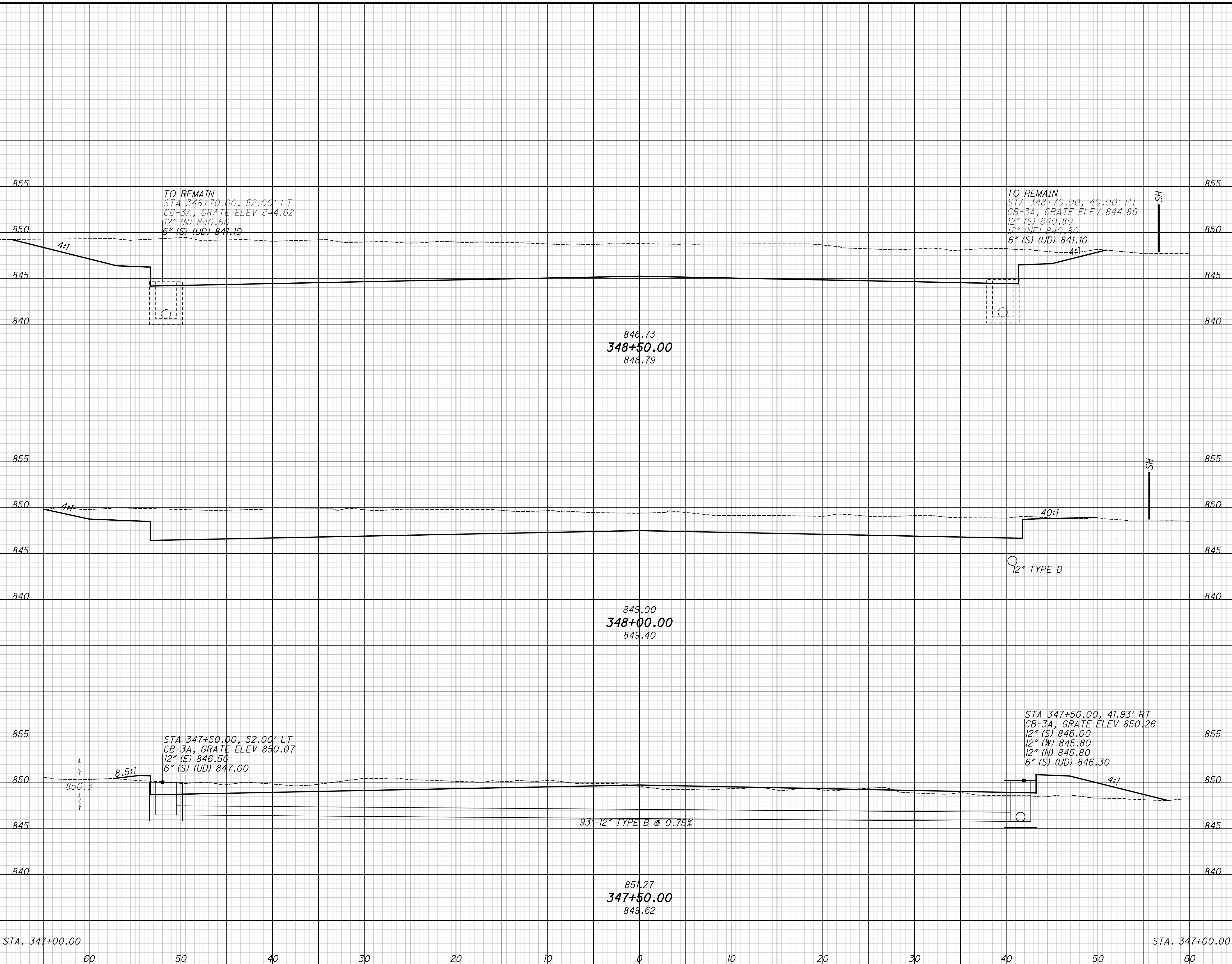
CROSS SECTIONS - BACH BUXTON RD
STA. 346+50.00 TO STA. 347+00.00

CLE-32-3.50
(PHASE 5)

387
736

...303.205\103954_XS512.dgn 11/19/2021 1:53:37 PM mswwhit

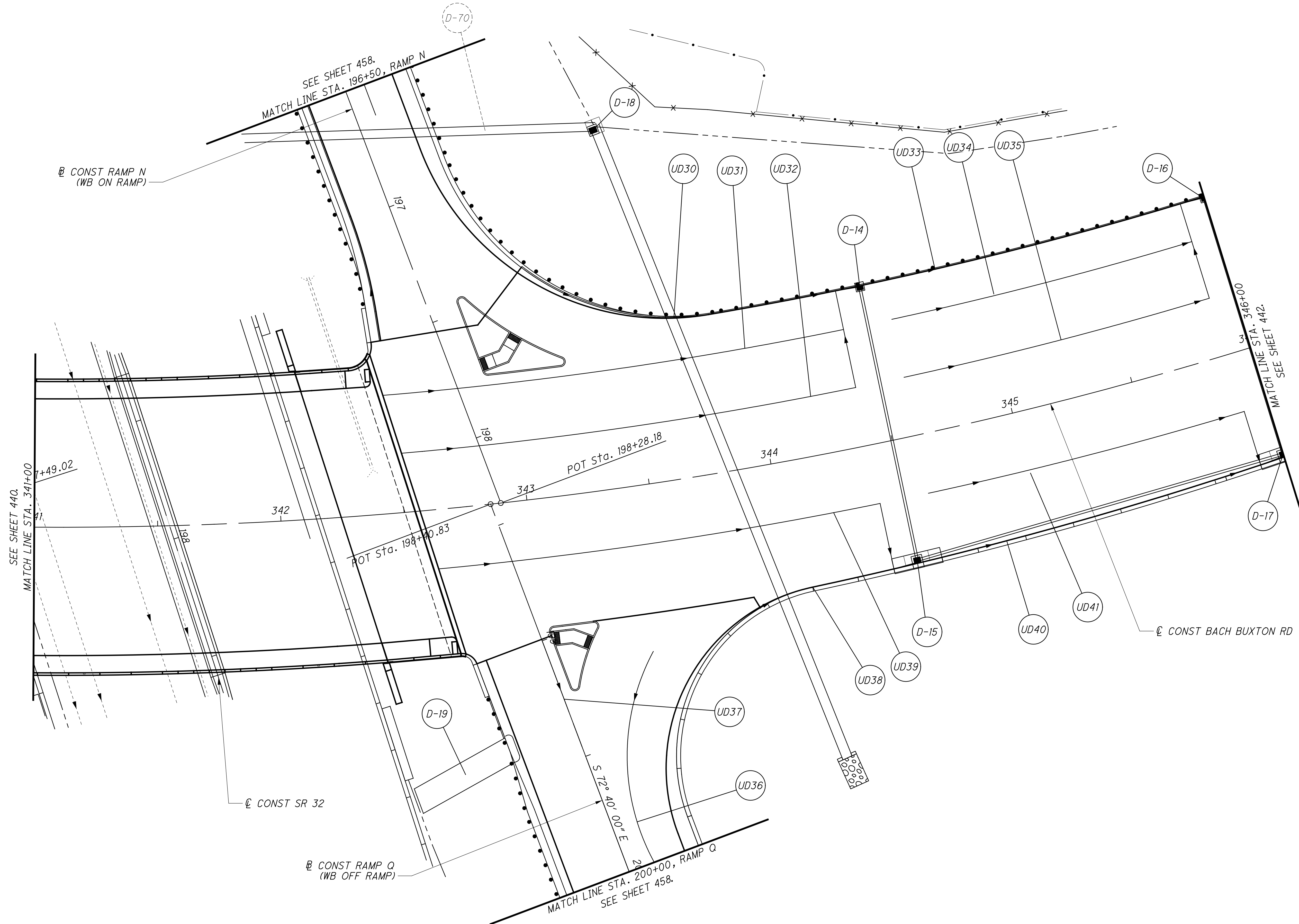
SEEDING	END AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
27		417	0			
133		614	0			
20		245	0			
115		270	29			
20		46	31			
204		43	661			
53	0	683				
452		927	670			



END AREA	VOLUME		CALCULATED	CHECKED
	CUT	FILL		
417	0			
614	0			
245	0			
270	29			
46	31			
43	661			
0	683			
	927	670		

CROSS SECTIONS - BACH BUXTON RD
STA. 347+50.00 TO STA. 348+50.00
CLE-32-3.50 (PHASE 5)
388
736

...103954DP503.dgn 11/19/2021 1:55:08 PM msw hitt



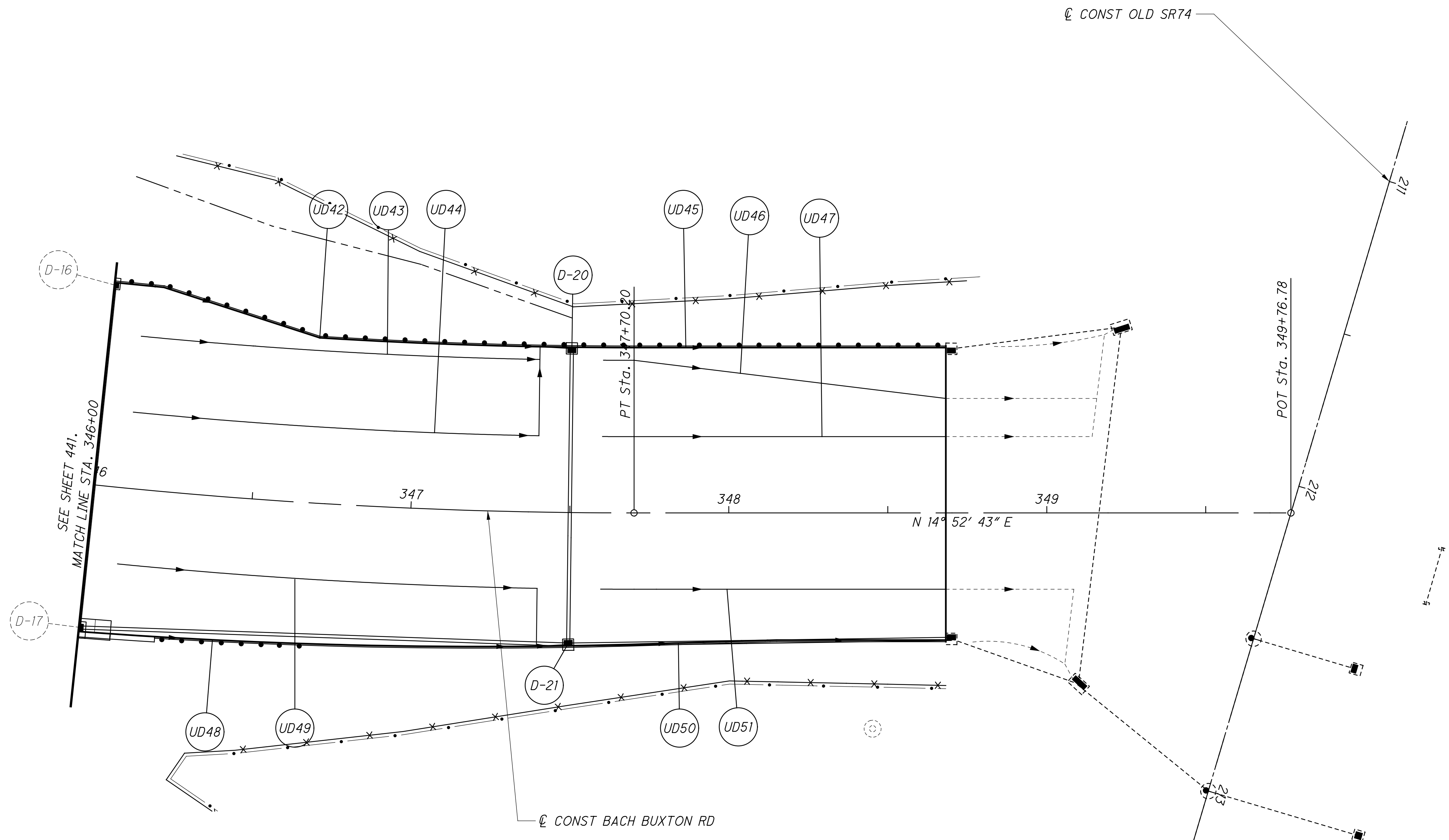
CALCULATED MHT
CHECKED WAA

0 20 40
1" = 40'
HORIZONTAL SCALE IN FEET

DRAINAGE & UNDERDRAIN PLAN
BACH BUXTON RD STA. 341+00 TO STA. 346+00

CLE-32-3.50
(PHASE 5)

441
736

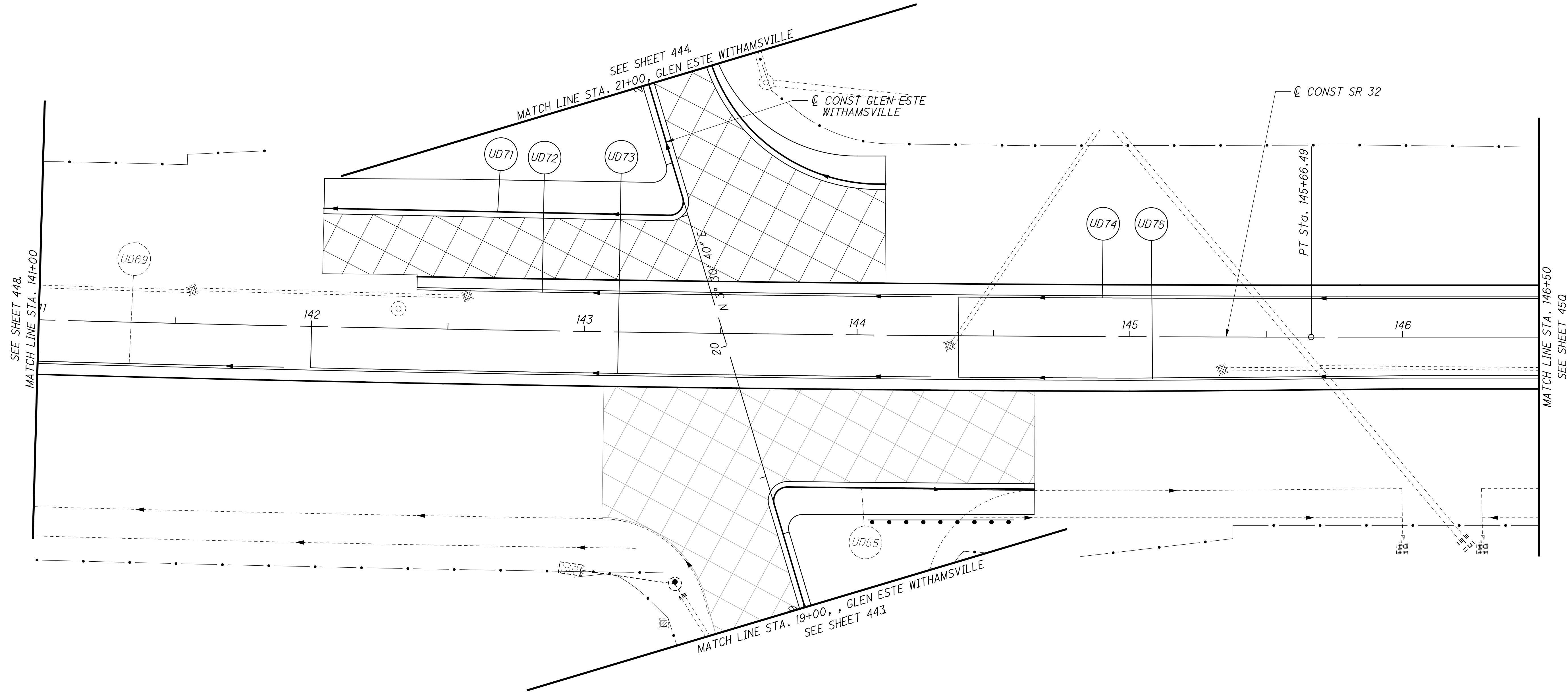


CALCULATED
MHT
CHECKED
WAA

0 20 40
HORIZONTAL
SCALE IN FEET

DRAINAGE & UNDERDRAIN PLAN
BACH BUXTON RD STA. 346+00 TO END WORK

CLE-32-3.50
(PHASE 5)



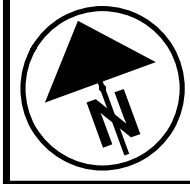
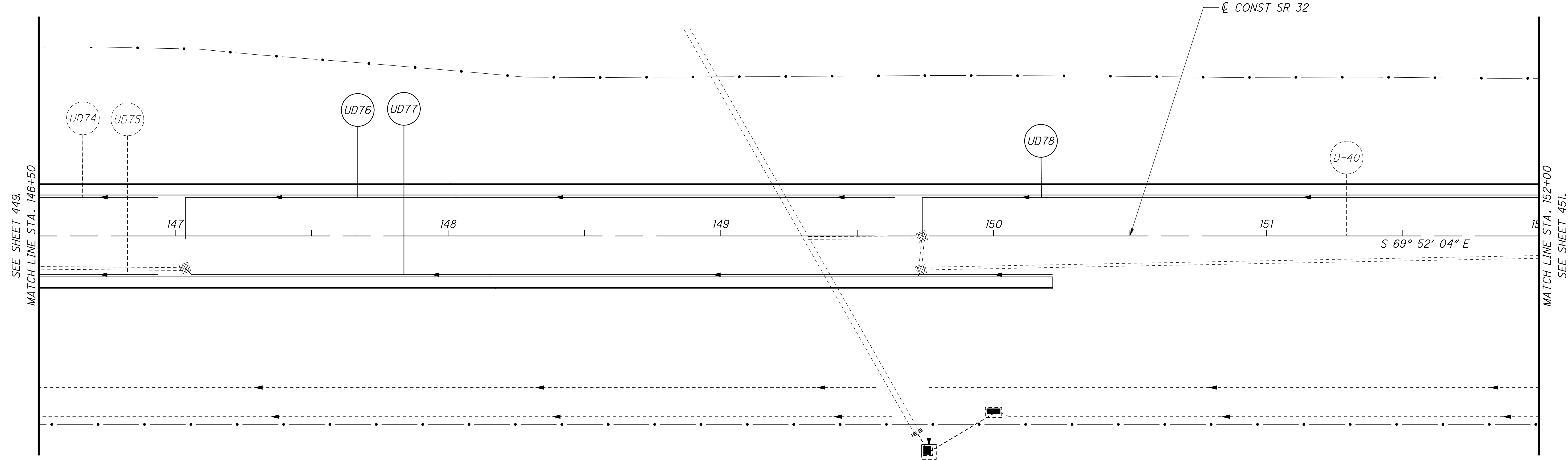
CALCULATED
MHT

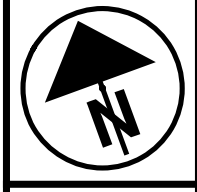
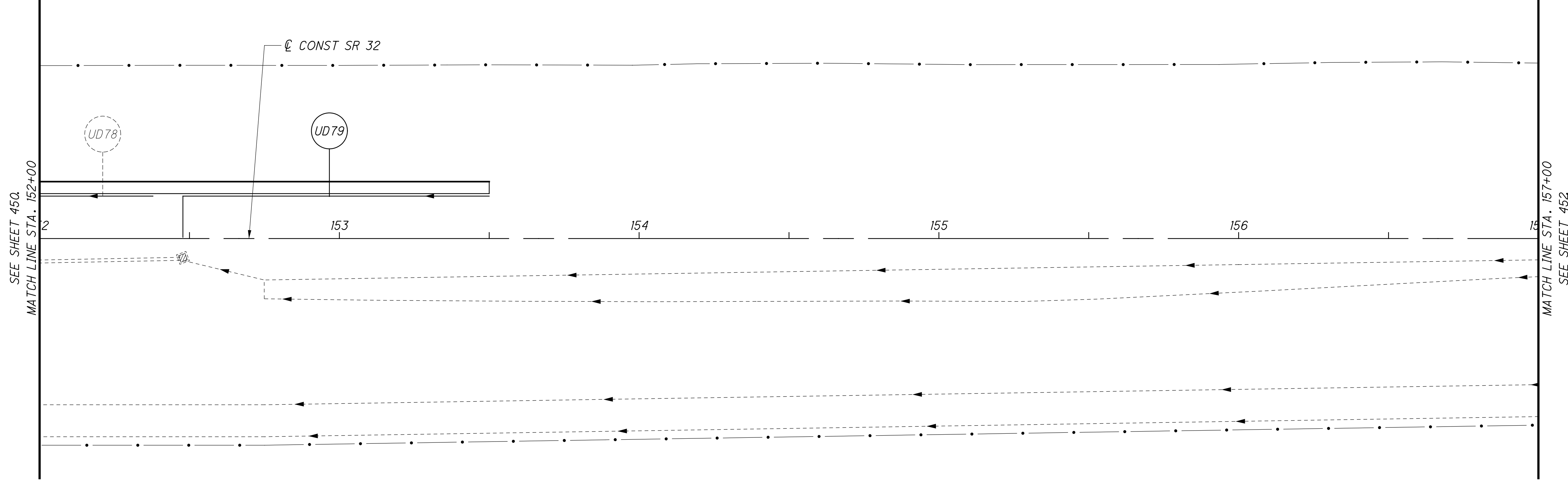
CHECKED
WAA

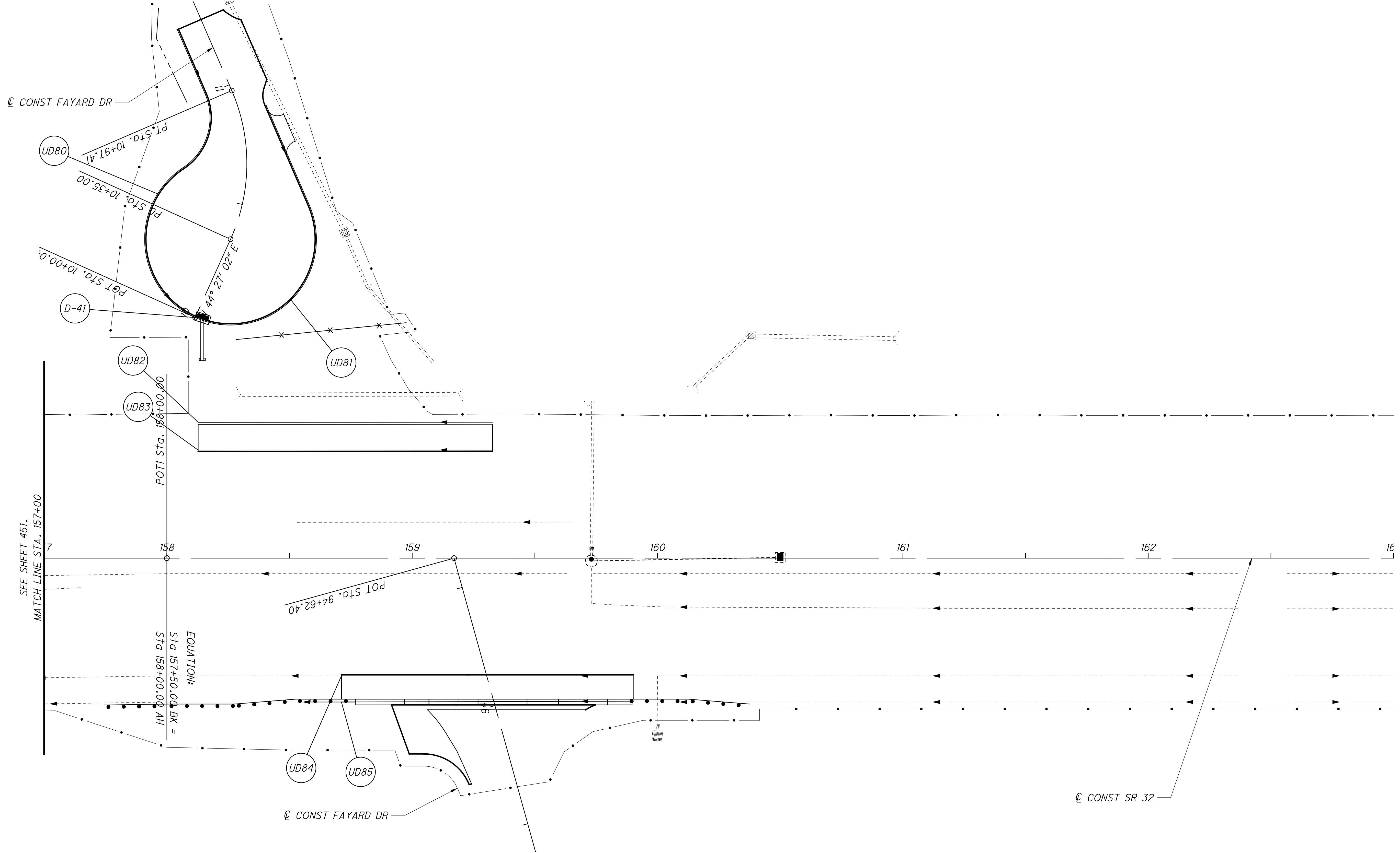
0 10 20 40
HORIZONTAL
SCALE IN FEET

DRAINAGE & UNDERDRAIN PLAN - SR 32
STA. 141+00 TO STA. 146+50

CLE-32-3.50
(PHASE 5)





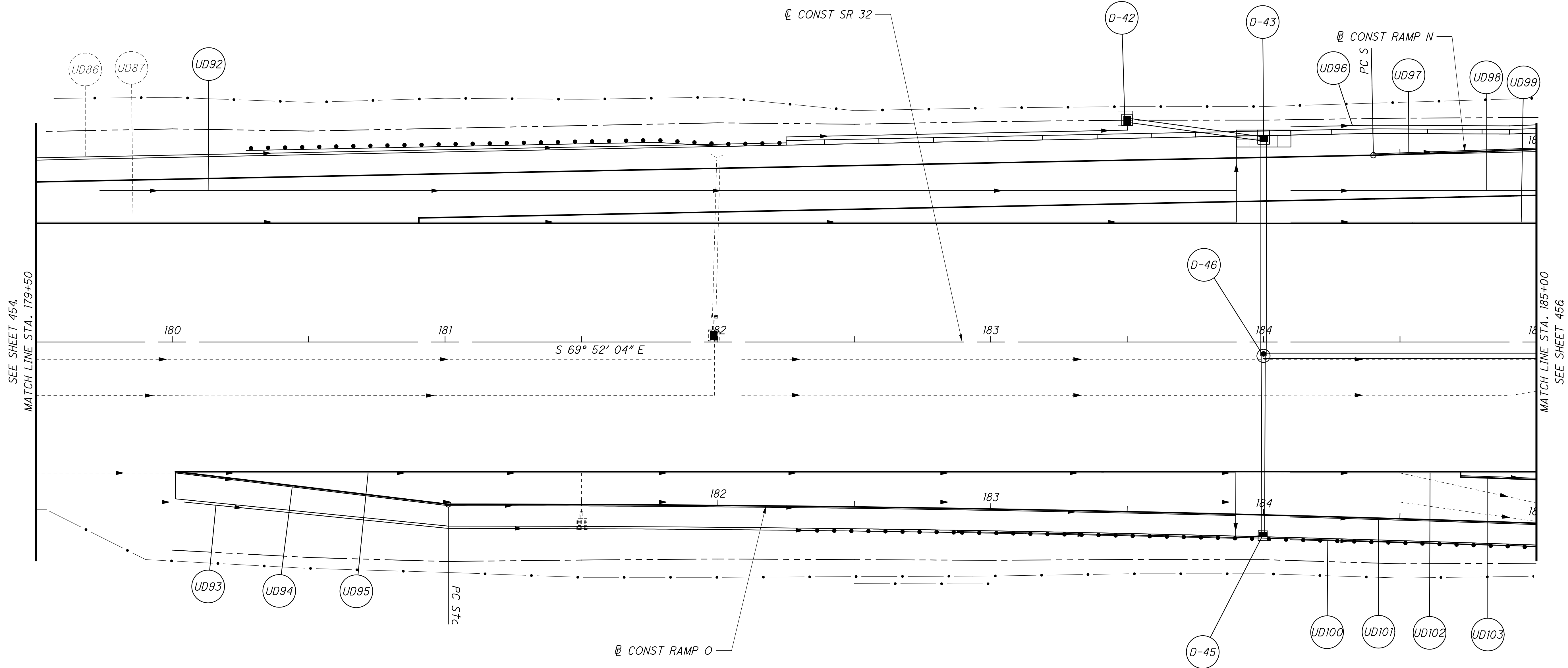


CALCULATED	MHT
CHECKED	WAA

0 10 20 40
HORIZONTAL SCALE IN FEET

UNDERDRAIN PLAN - SR 32
STA. 157+00 (BK) TO STA. 163+00 (AH)

CLE-32-3.50
(PHASE 5)

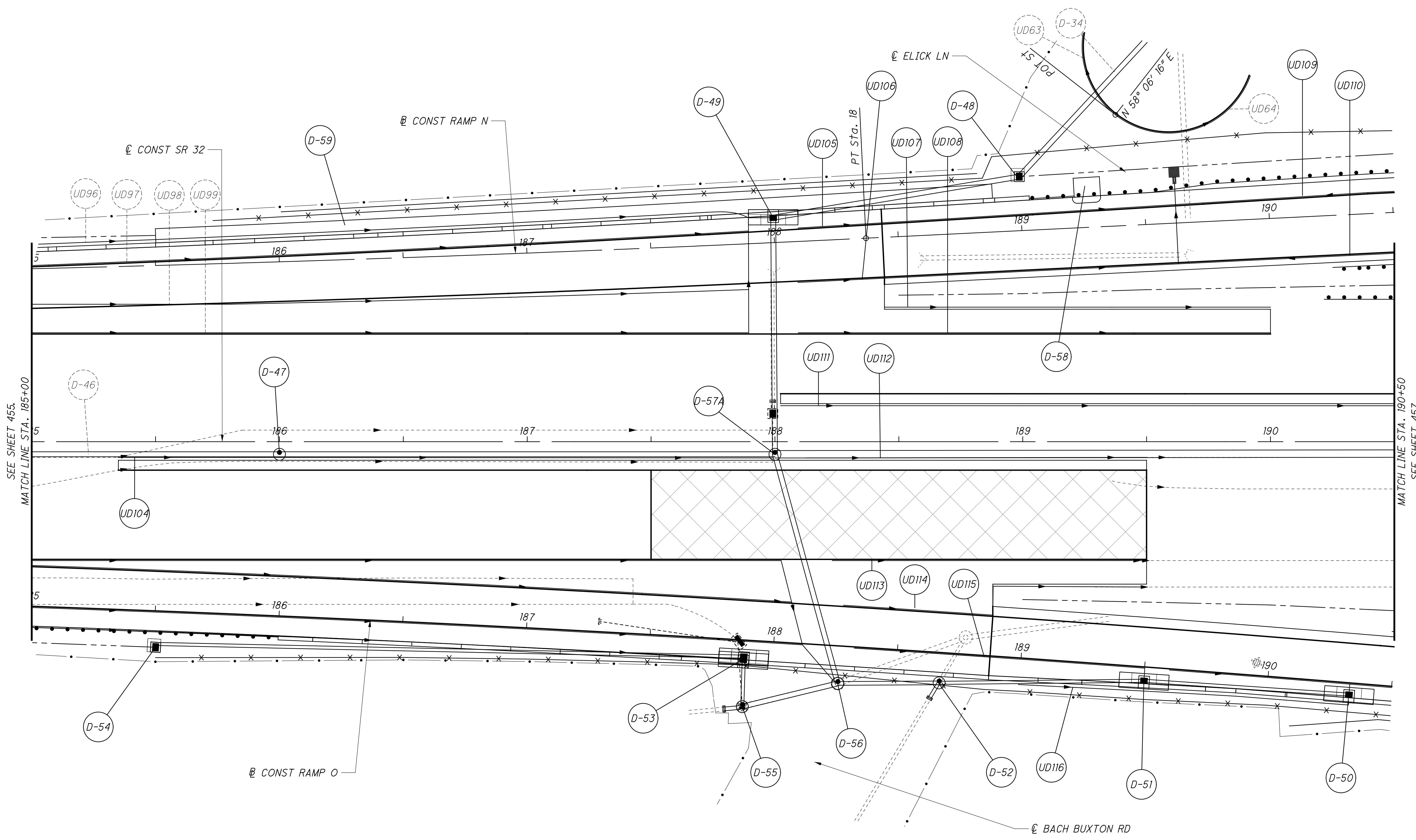


CALCULATED MHT
CHECKED WAA

0 20 40
HORIZONTAL SCALE IN FEET

DRAINAGE & UNDERDRAIN PLAN - SR 32
STA. 179+50 TO STA. 185+00

CLE-32-3.50
(PHASE 5)

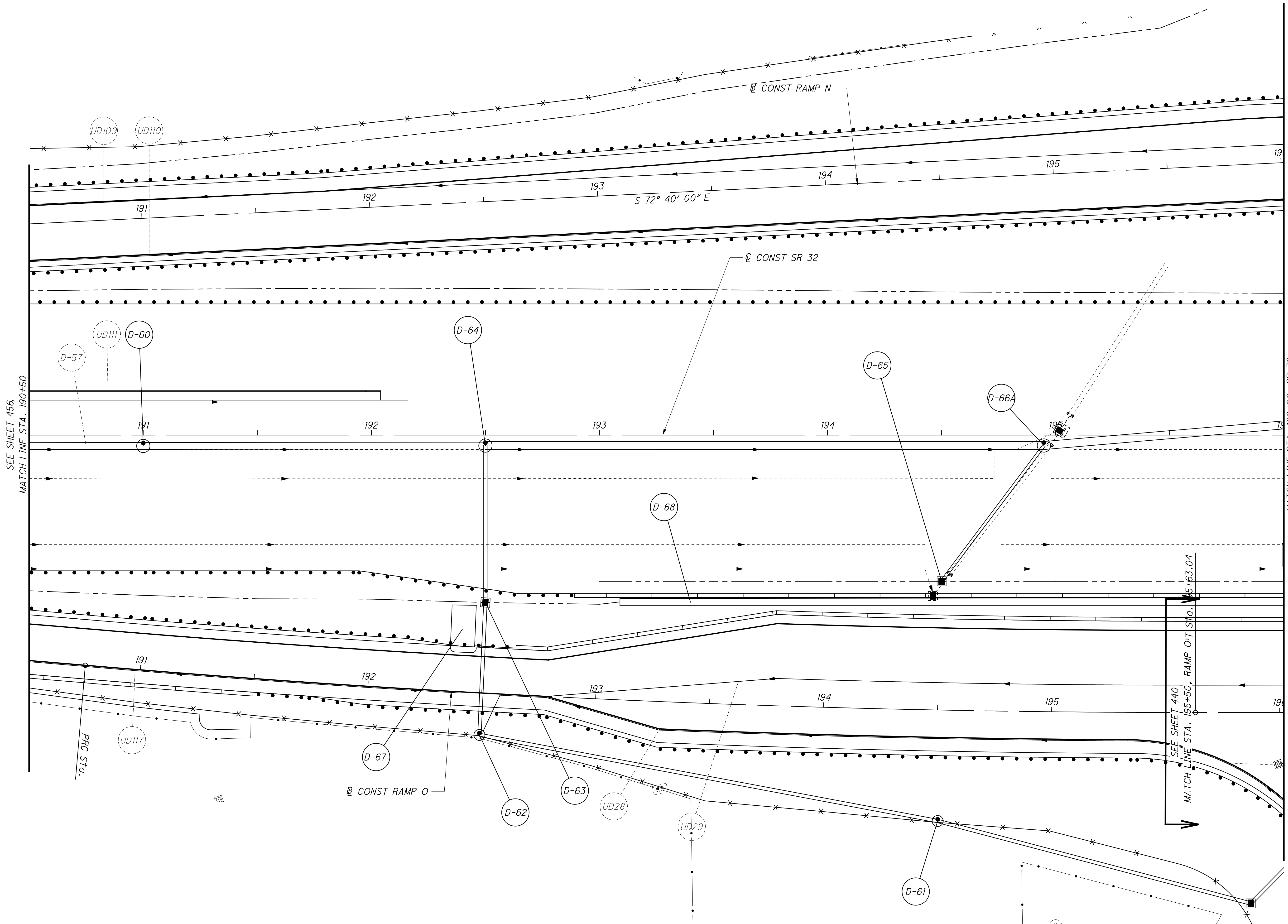


CALCULATED MHT
CHECKED WAA

0 20 40
HORIZONTAL SCALE IN FEET

DRAINAGE & UNDERDRAIN PLAN - SR 32
STA. 185+00 TO STA. 190+50

CLE-32-3.50
(PHASE 5)



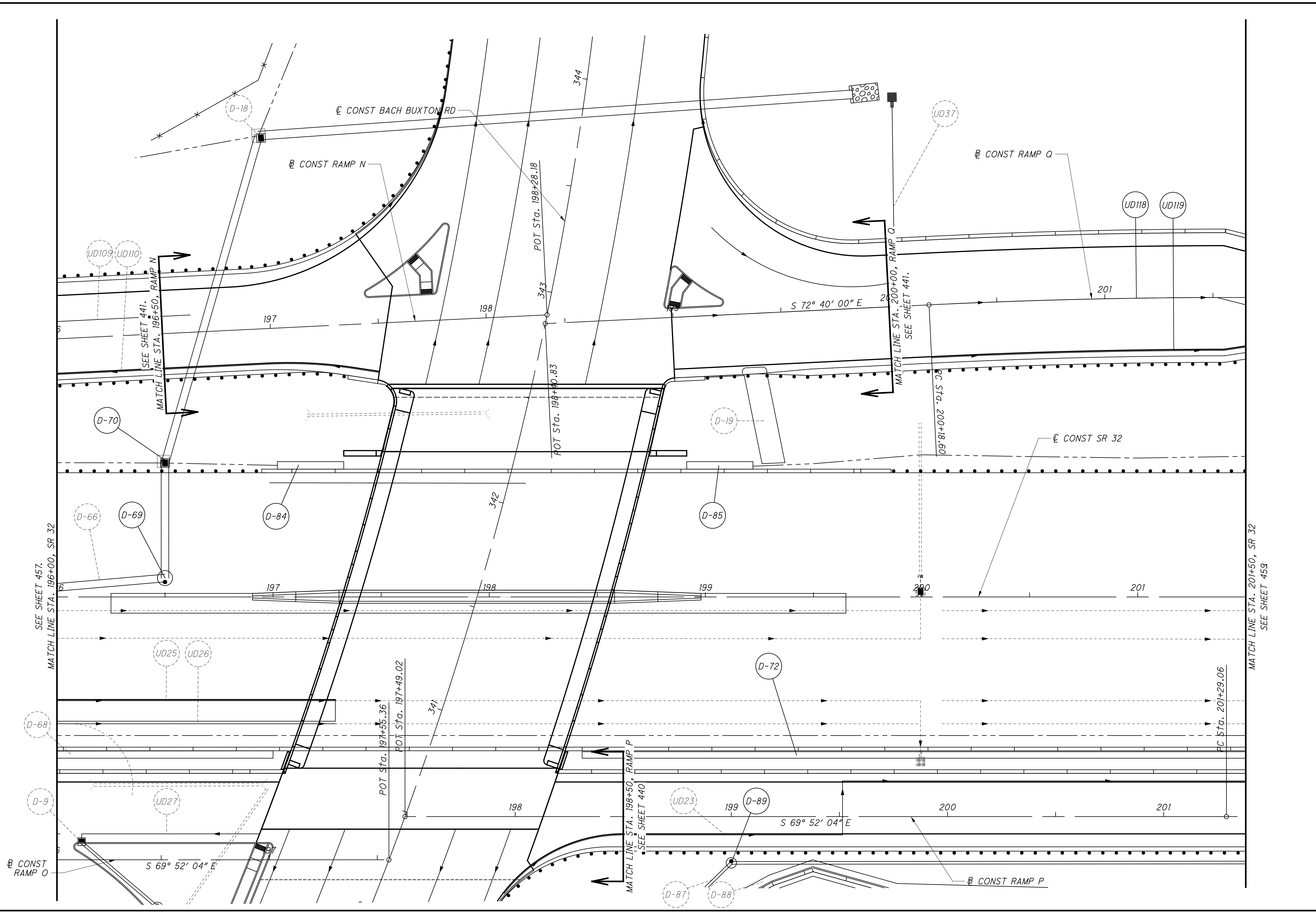
CALCULATED MHT CHECKED WAA

0 10 20 40
HORIZONTAL SCALE IN FEET

DRAINAGE & UNDERDRAIN PLAN - SR 32
STA. 190+50 TO STA. 196+00

CLE-32-3.50
(PHASE 5)

...103954DP523.dgn 11/19/2021 1:58:14 PM mswwhitt

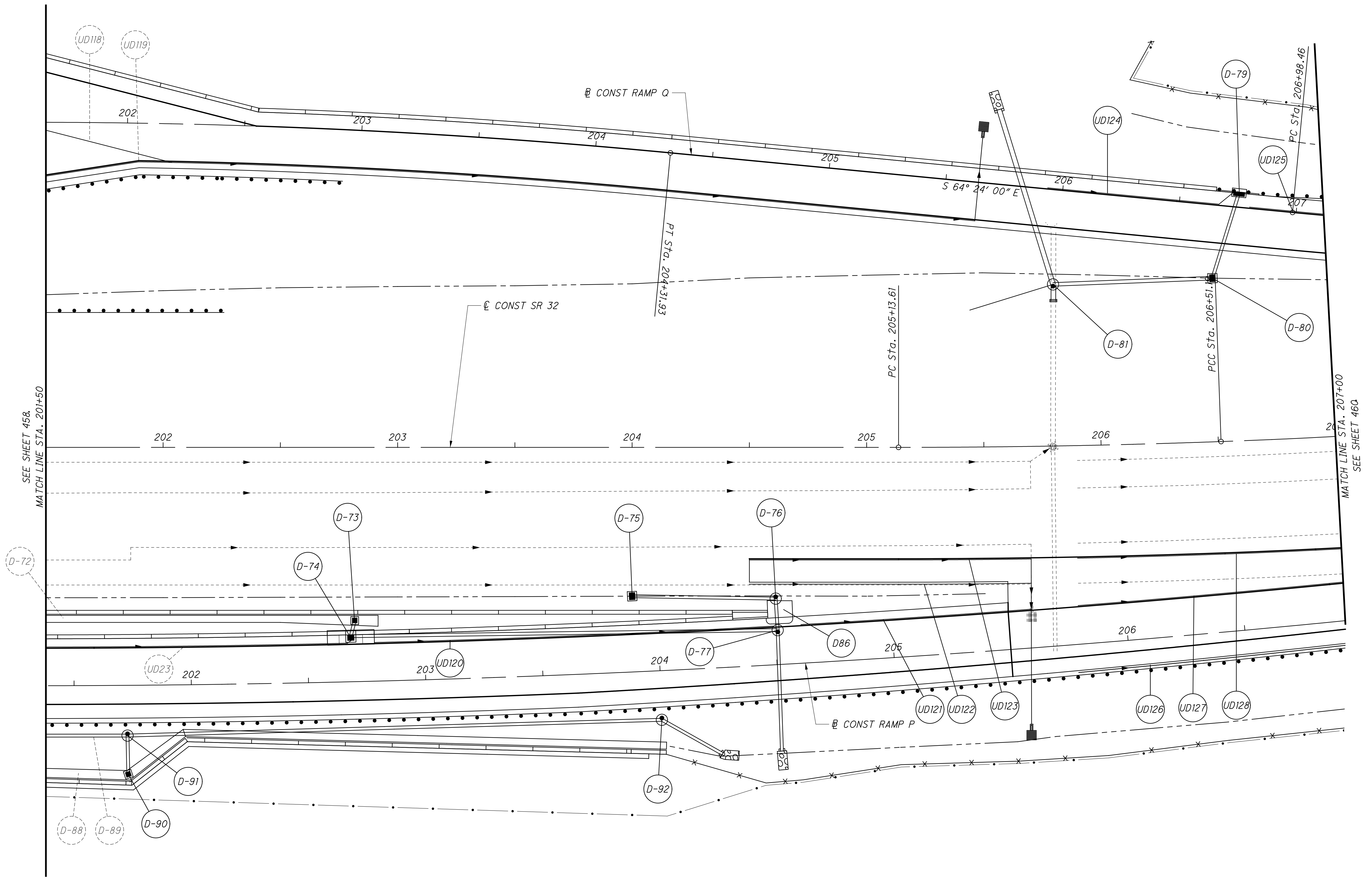


CALCULATED MHT
CHECKED WAA

0 20 40
10
HORIZONTAL
SCALE IN FEET

DRAINAGE & UNDERDRAIN PLAN - SR 32
STA. 196+00 TO STA. 201+50

CLE-32-3.50
(PHASE 5)



SEE SHEET 458.
MATCH LINE STA. 201+50

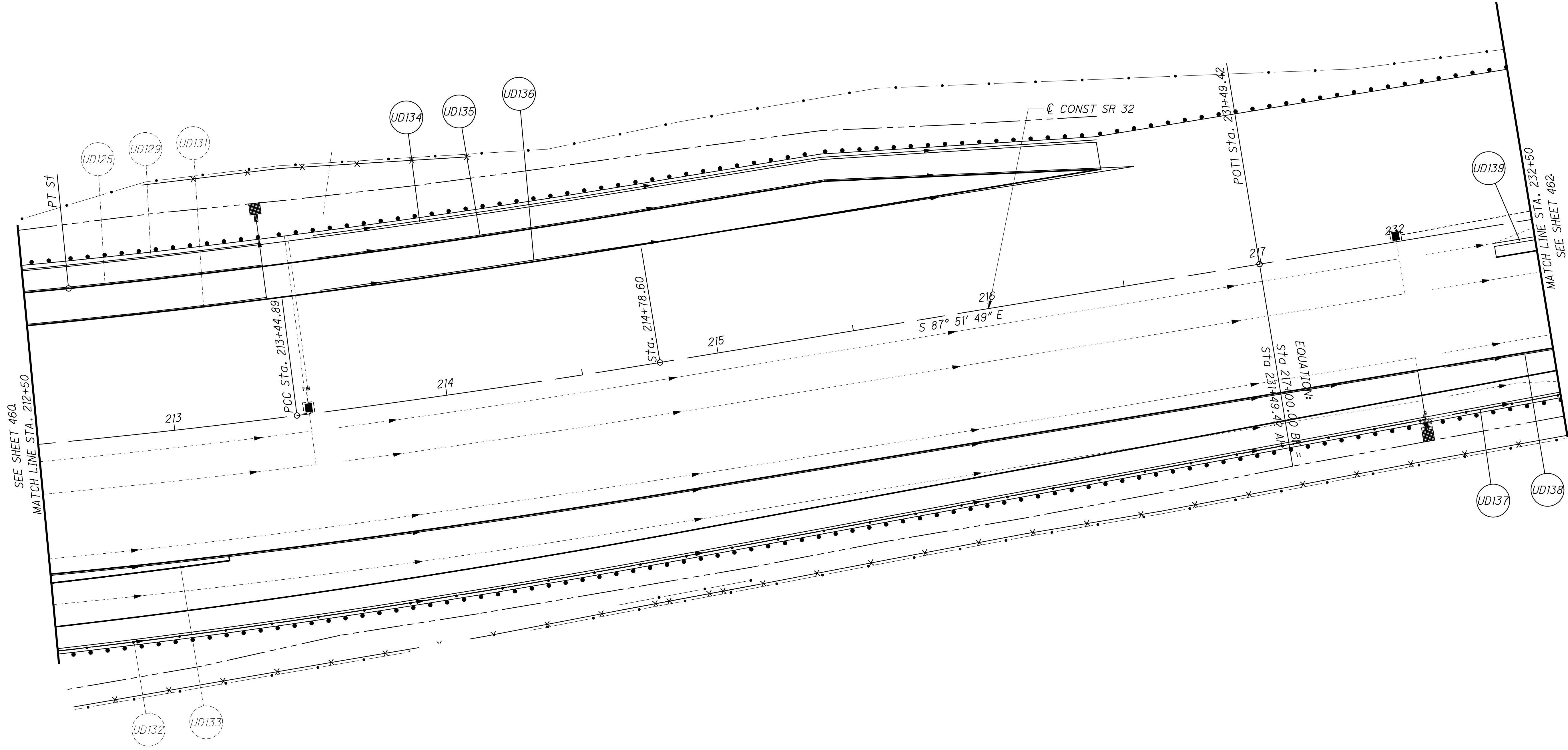
MATCH LINE STA. 207+00
SEE SHEET 460

CALCULATED MHT
CHECKED WAA

0 20 40
HORIZONTAL SCALE IN FEET

DRAINAGE & UNDERDRAIN PLAN - SR 32
STA. 201+50 TO STA. 207+00

CLE-32-3.50
(PHASE 5)



...310.20\310.205\103954\TS502.dgn 11/18/2021 4:25:26 PM ssopraseuth

SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	626	626	642	644	644	807 / 850	807 / 850	644	807 / 850	644	644	644	807 / 850	644	644	644	644	644
			FROM	TO		BARRIER REFLECTOR, TYPE 1, INWAY	BARRIER REFLECTOR, TYPE 2, INWAY	PARKING LOT STALL MARKING	EDGE LINE, 4" (WHITE)	EDGE LINE, 4" (YELLOW)	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, EDGE LINE, 6" (WHITE) / GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, EDGE LINE, 6" (YELLOW) / GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	LANE LINE, 4"	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, LANE LINE, 6" / GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	CENTER LINE (DOUBLE YELLOW)	CENTER LINE (DASHED/SOLID)	CHANNELIZING LINE, 8"	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, CHANNELIZING LINE, 12" / GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)	STOP LINE	CROSSWALK LINE	TRANSVERSE/ DIAGONAL INE	CHEVRON MARKING	ISLAND MARKING
						EACH	EACH	FT	MILE	MILE	MILE	MILE	MILE	MILE	MILE	FT	FT	FT	FT	FT	FT	FT	SF
507	BRB2	BACH BUXTON/RMP Q	346+16	206+65	RT/LT	10																	
	BRA4	BACH BUXTON	346+21	346+70	RT		1																
	LA32	BACH BUXTON	346+26		RT																		
	LA33	BACH BUXTON	346+55		LT																		
	LA34	BACH BUXTON	346+92		RT																		
	LA35	BACH BUXTON	347+21		LT																		
	LA36	BACH BUXTON	347+58		RT																		
	LA37	BACH BUXTON	347+80		LT																		
	WP10	BACH BUXTON	348+24		RT																		
	LA38	BACH BUXTON	348+90		RT																		
	SL12	BACH BUXTON	349+00		RT																		
	DTW7	BACH BUXTON/OLD 74	349+00	211+64	RT/LT																		
508	ELY3	SR 32	133+95	157+50	RT						0.45												
	LL9	SR 32	133+95	157+50	RT							0.45											
	LL10	SR 32	133+95	157+50	RT							0.45											
	DTD1	SR 32	133+95	139+39	RT																		
	ELW9	SR 32	133+95	157+50	RT					0.45													
509	BRA5	SR 32	129+02	130+64	RT		2																
510		NO NEW QUANTITIES																					
511	CH19	SR 32	139+39	143+22	RT																		
	LA39	SR 32	139+58		RT																		
	WP11	SR 32	140+24		RT																		
	LA40	SR 32	140+90		RT																		
512	LA41	SR 32	141+55		RT																		
	WP12	SR 32	142+21		RT																		
	LA42	SR 32	142+87		RT																		
	REM2	SR 32	142+90	143+00	RT																		
	BRA6	SR 32	144+08	144+58	RT		1																
513		NO NEW QUANTITIES																					
514		NO NEW QUANTITIES																					
SUBTOTALS THIS SHEET						10	4	0	0	0	0.45	0.45	0	0.9	0	0	0	383	36	0	0	0	0
SUBTOTALS FROM SHEET 491						6	40	0	0.52	0	1.08	0.31	0.41	0.1	0.5	0	3241	973	223	0	909	0	490
TOTALS CARRIED TO SHEET 495						16	44	0	0.52	0	1.53	0.76	0.41	1	0.5	0	3,241	1,356	259	0	909	0	490

PAVEMENT MARKING SUBSUMMARY

CLE-32-3.50 (PHASE 5)

CALCULATED
ACW
CHECKED
WAA

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...310.20\310.205\103954\TS502.dgn 11/18/2021 4:25:27 PM ssopraseuth

SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	644	644	644	644	644	807 / 850	807 / 850	807 / 850	644	644	644	807 / 850	807 / 850	646	646	646	646	646	646
			LANE ARROW	LANE REDUCTION ARROW		WRONG WAY ARROW	WORD ON PAVEMENT, 72"	DOTTED LINE, 4"	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 6" / 8"	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 8" / 12"	GROOVING FOR 8" RECESSED PAVEMENT MARKING, (ASPHALT)	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 12" / 12"	GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)	REMOVAL OF PAVEMENT MARKING	REMOVAL OF PAVEMENT MARKING	REMOVAL OF PAVEMENT MARKING	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 4" (WHITE) / GROOVING FOR 4" RECESSED PAVEMENT MARKING, (CONCRETE)	WET REFLECTIVE EPOXY PAVEMENT MARKING, LANE LINE, 4" / GROOVING FOR 4" RECESSED PAVEMENT MARKING, (CONCRETE)	CENTER LINE (DOUBLE YELLOW)	CHANNELIZING LINE, 8"	STOP LINE	LANE ARROW	WORD ON PAVEMENT, 72"
			FROM	TO		EACH	EACH	EACH	EACH	FT	FT	FT	FT	FT	EACH	MILE	MILE	MILE	MILE	FT	FT	EACH	EACH	FT
507	BRB2	BACH BUXTON/RMP Q	346+16	206+65	RT/LT																			
	BRA4	BACH BUXTON	346+21	346+70	RT																			
	LA32	BACH BUXTON	346+26		RT	3																		
	LA33	BACH BUXTON	346+55		LT	2																		
	LA34	BACH BUXTON	346+92		RT	3																		
	LA35	BACH BUXTON	347+21		LT	1																		
	LA36	BACH BUXTON	347+58		RT	3																		
	LA37	BACH BUXTON	347+80		LT	1																		
	WP10	BACH BUXTON	348+24		RT				3															
	LA38	BACH BUXTON	348+90		RT	3																		
	SL12	BACH BUXTON	349+00		RT																			
	DTW7	BACH BUXTON/OLD 74	349+00	211+64	RT/LT					176														
508	ELY3	SR 32	133+95	157+50	RT																			
	LL9	SR 32	133+95	157+50	RT																			
	LL10	SR 32	133+95	157+50	RT																			
	DTD1	SR 32	133+95	139+39	RT								544											
	ELW9	SR 32	133+95	157+50	RT																			
509	BRA5	SR 32	129+02	130+64	RT																			
510	NO NEW QUANTITIES																							
511	CHI9	SR 32	139+39	143+22	RT																			
	LA39	SR 32	139+58		RT	1																		
	WP11	SR 32	140+24		RT				1															
	LA40	SR 32	140+90		RT	1																		
512	LA41	SR 32	141+55		RT	1																		
	WP12	SR 32	142+21		RT				1															
	LA42	SR 32	142+87		RT	1																		
	REM2	SR 32	142+90	143+00	RT								48											
	BRA6	SR 32	144+08	144+58	RT																			
513	NO NEW QUANTITIES																							
514	NO NEW QUANTITIES																							
SUBTOTALS THIS SHEET						20	0	0	5	176	0	0	544	48	0	0	0	0	0	0	0	0	0	0
SUBTOTALS FROM SHEET 492						48	1	0	12	153	0	0	0	0	0	0	0.06	0.04	0.01	401	96	4	4	527
TOTALS CARRIED TO SHEET 496						68	1	0	17	329	0	0	544	48	0	0	0.06	0.04	0.01	401	96	4	4	527

PAVEMENT MARKING SUBSUMMARY

CLE-32-3.50 (PHASE 5)

CALCULATED
ACW
CHECKED
WAA

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...310.20\310.205\103954\TS502.dgn 11/18/2021 4:25:27 PM ssopraseuth

SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	626	626	642	644	644	807 / 850	807 / 850	644	644	644	807 / 850	644	644	644	644	644		
			FROM	TO		BARRIER REFLECTOR, TYPE 1, INWAY	BARRIER REFLECTOR, TYPE 2, INWAY	PARKING LOT STALL MARKING	EDGE LINE, 4" (WHITE)	EDGE LINE, 4" (YELLOW)	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, EDGE LINE, 6" (WHITE) / GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, EDGE LINE, 6" (YELLOW) / GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	LANE LINE, 4"	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, LANE LINE, 6" / GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	CENTER LINE (DOUBLE YELLOW)	CENTER LINE (DASHED/SOLID)	CHANNELIZING LINE, 8"	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, CHANNELIZING LINE, 12" / GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)	STOP LINE	CROSSWALK LINE	TRANSVERSE/ DIAGONAL LINE	CHEVRON MARKING	ISLAND MARKING
						EACH	EACH	FT	MILE	MILE	MILE	MILE	MILE	MILE	FT	FT	FT	FT	FT	FT	FT	SF	
515	BRA7	SR 32	157+28	158+77	RT		2																
	BRB3	SR 32	158+77	159+90	RT	1																	
	BRA8	SR 32	159+90	160+38	RT		1																
516	NO NEW QUANTITIES																						
517	BRA9	SR 32	170+77	174+11	RT		3																
518	NO NEW QUANTITIES																						
519	DTW9	SR 32	180+01	184+04	RT																		
	BRA10	SR 32	180+27	182+25	LT		3																
	BRA11	RAMP O	182+38	188+50	RT		6																
	BRB4	RAMP N	182+25	189+03	LT	7																	
	CH23	SR 32	184+04	188+88	RT											484							
	CM1	SR 32	184+04	188+88	RT																144		
	CH24	RAMP O	184+04	188+88	LT											484							
520	ELY5	RMP N/BACH BUXTON	191+37	342+31	RT/LT						0.12												
	BRB5	RAMP O	188+50	191+50	RT	3																	
	ELW12	SR 32	188+88	205+51	RT					0.31													
	ELY6	RAMP O	188+88	197+18	LT						0.16												
	BRA12	RMP N/BACH BUXTON	189+03	349+28	LT		15																
	BRA13	SR 32	190+22	196+95	LT		7																
	BRA14	RAMP N	190+25	197+35	RT		7																
	LA46	RAMP N	190+40		CL																		
521	LL12	RAMP N	190+40	197+49	RT									0.13									
	BRA15	SR 32	190+53	192+89	RT		3																
	BRA16	RAMP O	190+52	192+64	LT		3																
	BRA17	NOT USED																					
	LA47	RAMP N	191+40		CL																		
	BRB6	RAMP N	192+64	197+06	LT	5																	
	BRB7	SR 32	192+89	204+58	RT	12																	
	LA48	RAMP O	192+92		LT																		
	CH25	RAMP O	193+48	197+09	LT																		
	CH26	RAMP O/BACH BUXTON	193+48	339+12	CL											361							
	LA49	RAMP O	193+59		LT/RT											460							
	CH27	RAMP O	193+89	196+94	LT																		
	LA50	RAMP O	194+20		LT/RT											305							
	LA51	RAMP O	194+86		LT/RT																		
	CH28	RAMP N	195+86	197+86	LT																		
	LA52	RAMP N	195+86		LT																		
	ELW10	RAMP N	195+86	196+89	LT					0.02													
SUBTOTALS THIS SHEET						28	50	0	0	0	0.33	0.28	0	0.13	0	0	0	2294	0	0	0	144	0
SUBTOTALS FROM SHEET 493						16	44	0	0.52	0	1.53	0.76	0.41	1	0.5	0	3241	1356	259	0	909	0	490
TOTALS CARRIED TO SHEET 497						44	94	0	0.52	0	1.86	1.04	0.41	1.13	0.5	0	3,241	3,650	259	0	909	144	490

CALCULATED ACW CHECKED WAA
PAVEMENT MARKING SUBSUMMARY
CLE-32-3.50 (PHASE 5)

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SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	644	644	644	644	644	807 / 850	807 / 850	807 / 850	644	644	644	807 / 850	807 / 850	646	646	646	646	646	646
			LANE ARROW	LANE REDUCTION ARROW		WRONG WAY ARROW	WORD ON PAVEMENT, 72"	DOTTED LINE, 4"	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 6" /	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 8" /	GROOVING FOR 8" RECESSED PAVEMENT MARKING, (ASPHALT)	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 12" /	GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)	REMOVAL OF PAVEMENT MARKING	REMOVAL OF PAVEMENT MARKING	REMOVAL OF PAVEMENT MARKING	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 4" (WHITE) / GROOVING FOR 4" RECESSED PAVEMENT MARKING, (CONCRETE)	WET REFLECTIVE EPOXY PAVEMENT MARKING, LANE LINE, 4" / GROOVING FOR 4" RECESSED PAVEMENT MARKING, (CONCRETE)	CENTER LINE (DOUBLE YELLOW)	CHANNELIZING LINE, 8"	STOP LINE	LANE ARROW	WORD ON PAVEMENT, 72"
			FROM	TO		EACH	EACH	EACH	EACH	FT	FT	FT	FT	FT	EACH	MILE	MILE	MILE	MILE	FT	FT	EACH	EACH	FT
515	BRA7	SR 32	157+28	158+77	RT																			
	BRB3	SR 32	158+77	159+90	RT																			
	BRA8	SR 32	159+90	160+38	RT																			
516	NO NEW QUANTITIES																							
517	BRB9	SR 32	170+77	174+11	RT																			
518	NO NEW QUANTITIES																							
519	DTW9	SR 32	180+01	184+04	RT					403														
	BRA10	SR 32	180+27	182+25	LT																			
	BRA11	RAMP O	182+38	188+50	RT																			
	BRB4	RAMP N	182+25	189+03	LT																			
	CH23	SR 32	184+04	188+88	RT																			
	CM1	SR 32	184+04	188+88	RT																			
	CH24	RAMP O	184+04	188+88	LT																			
520	ELY5	RMP N/BACH BUXTON	191+37	342+31	RT/LT																			
	BRB5	RAMP O	188+50	191+50	RT																			
	ELW12	SR 32	188+88	205+51	RT																			
	ELY6	RAMP O	188+88	197+18	LT																			
	BRA12	RMP N/BACH BUXTON	189+03	349+28	LT																			
	BRA13	SR 32	190+22	196+95	LT																			
	BRA14	RAMP N	190+25	197+35	RT																			
	LA46	RAMP N	190+40		CL		1																	
521	LL12	RAMP N	190+40	197+49	RT																			
	BRA15	SR 32	190+53	192+89	RT																			
	BRA16	RAMP O	190+52	192+64	LT																			
	BRA17	NOT USED																						
	LA47	RAMP N	191+40		CL		1																	
	BRB6	RAMP N	192+64	197+06	LT																			
	BRB7	SR 32	192+89	204+58	RT																			
	LA48	RAMP O	192+92		LT			1																
	CH25	RAMP O	193+48	197+09	LT																			
	CH26	RAMP O/BACH BUXTON	193+48	339+12	CL																			
	LA49	RAMP O	193+59		LT/RT	3																		
	CH27	RAMP O	193+89	196+94	LT																			
	LA50	RAMP O	194+20		LT/RT	4																		
	LA51	RAMP O	194+86		LT/RT	4																		
	CH28	RAMP N	195+86	197+86	LT																			
	LA52	RAMP N	195+86		LT		1																	
	ELW10	RAMP N	195+86	196+89	LT																			
SUBTOTALS THIS SHEET						11	3	1	0	0	403	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBTOTALS FROM SHEET 494						68	1	0	17	329	0	0	544	48	0	0	0.06	0.04	0.01	401	96	4	4	527
TOTALS CARRIED TO SHEET 498						79	4	1	17	329	403	0	544	48	0	0	0.06	0.04	0.01	401	96	4	4	527

PAVEMENT MARKING SUBSUMMARY

CLE-32-3.50 (PHASE 5)

CALCULATED
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CHECKED
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SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	626	626	642	644	644	807 / 850	807 / 850	644	644	644	807 / 850	644	644	644	644	644		
			FROM	TO		EACH	EACH	FT	MILE	MILE	MILE	MILE	MILE	MILE	MILE	MILE	FT	FT	FT	FT	FT	FT	FT
522	BRB8		NOT USED																				
	BRB9	SR 32	196+60	199+28	RT	3																	
	BRB10	SR 32	196+95	199+86	LT	3																	
	LA53	RAMP P	199+00		CL																		
	BRA18	SR 32	199+86	202+23	LT		3																
	LA54	RAMP Q	200+43		LT/RT																		
	LA55	RAMP Q	201+09		LT/RT																		
523	LA56	RAMP Q	201+75		LT/RT																		
	LA57	RAMP Q	202+41		RT																		
	LA58	RAMP P	202+65		CL																		
	DTD4	RAMP P/SR 32	203+65	216+15	LT/RT																		
	CH29	RAMP P/SR 32	205+50	211+00	LT/RT											552							
	CH30	SR 32	205+51	211+00	RT											549							
	BRA19	RAMP Q/SR 32	206+65	234+83	LT		14																
524	CH31	RAMP Q	208+06	210+89	RT											286							
	DTW11	SR 32	211+00	236+64	RT																		
525		NO NEW QUANTITIES																					
526		NO NEW QUANTITIES																					
527		NO NEW QUANTITIES																					
528		NO NEW QUANTITIES																					
529		NO NEW QUANTITIES																					
530		NO NEW QUANTITIES																					
531	REM3	GEW	12+17	15+50	RT																		
	DTW12	GEW	12+17	14+80	RT																		
	REM4	GEW	13+15	15+42	LT																		
	DYL6	GEW	13+65	14+80	LT								0.02										
532	ELW13	GEW/SR 32	15+50	143+00	LT/RT				0.09														
	TLW1	GEW	15+50	16+40	LT																85		
	CH33	GEW	15+50	15+50	LT										189								
	CM3	GEW	15+50	16+44	LT																67		
	DLY7	GEW	15+50	16+44	CL								0.02										
	CH34	GEW	15+50	16+57	RT										153								
	ELW14	GEW	15+40	16+40	RT				0.02														
	TLW2	GEW	15+40	16+40	RT																108		
SUBTOTALS THIS SHEET						6	17	0	0.11	0	0	0	0	0.04	0	342	1387	0	0	193	67	0	
SUBTOTALS FROM SHEET 495						44	94	0	0.52	0	1.86	1.04	0.41	1.13	0.5	0	3241	3650	259	0	909	144	490
TOTALS CARRIED TO SHEET 499						50	111	0	0.63	0	1.86	1.04	0.41	1.13	0.54	0	3,583	5,037	259	0	1102	211	490

PAVEMENT MARKING SUBSUMMARY

CLE-32-3.50 (PHASE 5)

CALCULATED
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SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	644	644	644	644	644	807 / 850	807 / 850	807 / 850	644	644	644	807 / 850	807 / 850	646	646	646	646	646	
			LANE ARROW	LANE REDUCTION ARROW		WRONG WAY ARROW	WORD ON PAVEMENT, 72"	DOTTED LINE, 4"	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 6" /	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 8" /	GROOVING FOR 8" RECESSED PAVEMENT MARKING, (ASPHALT)	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 12" /	GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)	REMOVAL OF PAVEMENT MARKING	REMOVAL OF PAVEMENT MARKING	REMOVAL OF PAVEMENT MARKING	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 4" (WHITE) / GROOVING FOR 4" RECESSED PAVEMENT MARKING, (CONCRETE)	WET REFLECTIVE EPOXY PAVEMENT MARKING, LANE LINE, 4" / GROOVING FOR 4" RECESSED PAVEMENT MARKING, (CONCRETE)	CENTER LINE (DOUBLE YELLOW)	CHANNELIZING LINE, 8"	STOP LINE	LANE ARROW	WORD ON PAVEMENT, 72"
			FROM	TO		EACH	EACH	EACH	EACH	FT	FT	FT	FT	FT	EACH	MILE	MILE	MILE	MILE	FT	FT	EACH	EACH	FT
522	BRB8		NOT USED																					
	BRB9	SR 32	196+60	199+28	RT																			
	BRB10	SR 32	196+95	199+86	LT																			
	LA53	RAMP P	199+00		CL		1																	
	BRA18	SR 32	199+86	202+23	LT																			
	LA54	RAMP Q	200+43		LT/RT	4																		
	LA55	RAMP Q	201+09		LT/RT	4																		
523	LA56	RAMP Q	201+75		LT/RT	2																		
	LA57	RAMP Q	202+41		RT			1																
	LA58	RAMP P	202+65		CL		1																	
	DTD4	RAMP P/SR 32	203+65	216+15	LT/RT																			
	CH29	RAMP P/SR 32	205+50	211+00	LT/RT						1260													
	CH30	SR 32	205+51	211+00	RT																			
	BRA19	RAMP Q/SR 32	206+65	234+83	LT																			
524	CH31	RAMP Q	208+06	210+89	RT																			
	DTW11	SR 32	211+00	236+64	RT						1120													
525		NO NEW QUANTITIES																						
526		NO NEW QUANTITIES																						
527		NO NEW QUANTITIES																						
528		NO NEW QUANTITIES																						
529		NO NEW QUANTITIES																						
530		NO NEW QUANTITIES																						
531	REM3	GEW	12+17	15+50	RT											0.06								
	DTW12	GEW	12+17	14+80	RT					263														
	REM4	GEW	13+15	15+42	LT								227											
	DYL6	GEW	13+65	14+80	LT																			
532	ELW13	GEW/SR 32	15+50	143+00	LT/RT																			
	TLW1	GEW	15+50	16+40	LT																			
	CH33	GEW	15+50	15+50	LT																			
	CM3	GEW	15+50	16+44	LT																			
	DLY7	GEW	15+50	16+44	CL																			
	CH34	GEW	15+50	16+57	RT																			
	ELW14	GEW	15+40	16+40	RT																			
	TLW2	GEW	15+40	16+40	RT																			
SUBTOTALS THIS SHEET						10	2	1	0	263	1120	1260	0	227	0	0.06	0	0	0	0	0	0	0	0
SUBTOTALS FROM SHEET 496						79	4	1	17	329	403	0	544	48	0	0	0.06	0.04	0.01	401	96	4	4	527
TOTALS CARRIED TO SHEET 500						89	6	2	17	592	1523	1260	544	275	0	0.06	0.06	0.04	0.01	401	96	4	4	527

PAVEMENT MARKING SUBSUMMARY

CLE-32-3.50 (PHASE 5)

CALCULATED
ACW
CHECKED
WAA

498
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...310.20\310.205\103954TS502.dgn 11/18/2021 4:25:29 PM ssoprasureuth

SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	626	626	642	644	644	807 / 850	807 / 850	644	807 / 850	644	644	644	807 / 850	644	644	644	644	644
			FROM	TO		BARRIER REFLECTOR, TYPE 1, INWAY	BARRIER REFLECTOR, TYPE 2, INWAY	PARKING LOT STALL MARKING	EDGE LINE, 4" (WHITE)	EDGE LINE, 4" (YELLOW)	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, EDGE LINE, 6" (WHITE) / GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, EDGE LINE, 6" (YELLOW) / GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	LANE LINE, 4"	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, LANE LINE, 6" / GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	CENTER LINE (DOUBLE YELLOW)	CENTER LINE (DASHED/SOLID)	CHANNELIZING LINE, 8"	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, CHANNELIZING LINE, 12" / GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)	STOP LINE	CROSSWALK LINE	TRANSVERSE / DIAGONAL LINE	CHEVRON MARKING	ISLAND MARKING
						EACH	EACH	FT	MILE	MILE	MILE	MILE	MILE	MILE	MILE	FT	FT	FT	FT	FT	FT	FT	SF
532	LA59	GEW	15+60		LT																		
	WP14	GEW	15+68		RT																		
	LA60	GEW	15+68		RT																		
	ELY7	GEW	16+24	16+42	LT					0.01													
	WP15	GEW	16+26		LT																		
	LA61	GEW	16+34		RT																		
	ELY8	GEW	16+59	16+60	LT					0.01													
	DLY8	GEW	15+57	15+57	RT									0.01									
	LA62	GEW	16+67		RT																		
	TLW3	GEW/SR 32	16+72	143+08	LT/RT																156		
	CH35	GEW	16+74	17+46	LT											72							
	CH36	GEW	16+74	17+46	LT											72							
	ELY9	GEW/SR 32	16+74	143+22	CL/RT																		
	ELW15	GEW	16+74	16+74	RT				0.01	0.06													
	LA63	GEW	16+84		LT																		
	LA64	GEW	17+36		LT																		
	TLY4	GEW/SR 32	17+56	143+22	CL/RT																202		
533	CH37	GEW	22+60	26+08	RT																		
	LA65	GEW	22+70		RT																		
	LL13	GEW	23+19	26+08	RT							0.05											
	LA66	GEW	23+34		RT																		
	LA67	GEW	24+00		RT																		
	ELW16	GEW	24+01	24+12	LT				0.01														
	LA68	GEW	24+09		LT																		
	WP16	GEW	24+17		LT																		
	DYL9	GEW	24+24	26+08	LT									0.05									
	TYL5	GEW	24+24	26+08	LT																463		
	DYL10	GEW	24+24	26+08	LT									0.04									
	LA69	GEW	24+33		LT																		
	ELW17	GEW/EASTGATE	24+38	46+57	LT/RT				0.06														
	TLW4	GEW/EASTGATE	24+38	46+57	LT/RT																358		
	LA70	GEW	24+66		RT																		
	WP17	GEW	24+86		LT																		
	WP18	GEW	25+32		RT																		
	LA71	GEW	25+52		LT																		
	LA72	GEW	25+68		RT																		
	SL13	GEW	26+08		RT																43		
	XW1	GEW	26+17	26+90	LT																	134	
534	DYL11	EASTGATE	46+57	46+94	LT										0.01								
	CH38	EASTGATE	46+57	46+94	RT																		
	ELW18	EASTGATE/GEW	46+78	28+81	LT				0.04														
	TLW5	EASTGATE/GEW	46+78	28+81	LT																	174	
	LA73	EASTGATE	46+84		CL																		
	SL14	EASTGATE	46+94		RT																	25	
	XW2	EASTGATE	47+07	48+06	LT																	198	
	SL15	GEW	27+30		LT																	24	
	CH39	GEW	27+30	28+81	LT																		
	LA74	GEW	27+40		LT											151							
	WP19	GEW	28+06		LT																		
	LA75	GEW	28+72		LT																		
SUBTOTALS THIS SHEET						0	0	0	0.12	0.08	0	0	0.05	0	0.1	0.01	679	0	92	332	1353	0	0
SUBTOTALS FROM SHEET 497						50	111	0	0.63	0	1.86	1.04	0.41	1.13	0.54	0	3583	5037	259	0	1102	211	490
TOTALS CARRIED TO SHEET 501						50	111	0	0.75	0.08	1.86	1.04	0.46	1.13	0.64	0.01	4,262	5,037	351	332	2455	211	490

PAVEMENT MARKING SUBSUMMARY

CLE-32-3.50 (PHASE 5)

CALCULATED
ACW
CHECKED
WAA

499
736

...310.20\310.205\103954\TS502.dgn 11/18/2021 4:25:30 PM ssopraseuth

SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	644	644	644	644	644	807 / 850	807 / 850	807 / 850	644	644	644	807 / 850	807 / 850	646	646	646	646	646	
			LANE ARROW	LANE REDUCTION ARROW		WRONG WAY ARROW	WORD ON PAVEMENT, 72"	DOTTED LINE, 4"	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 6" /	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 8" /	GROOVING FOR 8" RECESSED PAVEMENT MARKING, (ASPHALT)	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 12" /	GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)	REMOVAL OF PAVEMENT MARKING	REMOVAL OF PAVEMENT MARKING	REMOVAL OF PAVEMENT MARKING	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 4" (WHITE) / GROOVING FOR 4" RECESSED PAVEMENT MARKING, (CONCRETE)	WET REFLECTIVE EPOXY PAVEMENT MARKING, LANE LINE, 4" / GROOVING FOR 4" RECESSED PAVEMENT MARKING, (CONCRETE)	CENTER LINE (DOUBLE YELLOW)	CHANNELIZING LINE, 8"	STOP LINE	LANE ARROW	WORD ON PAVEMENT, 72"
			FROM	TO		EACH	EACH	EACH	EACH	FT	FT	FT	FT	FT	EACH	MILE	MILE	MILE	MILE	FT	FT	EACH	EACH	FT
532	LA59	GEW	15+60		LT	1																		
	WP14	GEW	15+68		RT				1															
	LA60	GEW	15+68		RT	1																		
	ELY7	GEW	16+24	16+42	LT																			
	WP15	GEW	16+26		LT				1															
	LA61	GEW	16+34		RT	2																		
	ELY8	GEW	16+59	16+60	LT																			
	DLY8	GEW	15+57	15+57	RT																			
	LA62	GEW	16+67		RT	1																		
	TLW3	GEW/SR 32	16+72	143+08	LT/RT																			
	CH35	GEW	16+74	17+46	LT																			
	CH36	GEW	16+74	17+46	LT																			
	ELY9	GEW/SR 32	16+74	143+22	CL/RT																			
	ELW15	GEW	16+74	16+74	RT																			
	LA63	GEW	16+84		LT	1																		
	LA64	GEW	17+36		LT	1																		
	TLY4	GEW/SR 32	17+56	143+22	CL/RT																			
533	CH37	GEW	22+60	26+08	RT																			
	LA65	GEW	22+70		RT	1																		
	LL13	GEW	23+19	26+08	RT																			
	LA66	GEW	23+34		RT	1																		
	LA67	GEW	24+00		RT	1																		
	ELW16	GEW	24+01	24+12	LT																			
	LA68	GEW	24+09		LT	1																		
	WP16	GEW	24+17		LT				1															
	DYL9	GEW	24+24	26+08	LT																			
	TYL5	GEW	24+24	26+08	LT																			
	DYL10	GEW	24+24	26+08	LT																			
	LA69	GEW	24+33		LT	1																		
	ELW17	GEW/EASTGATE	24+38	46+57	LT/RT																			
	TLW4	GEW/EASTGATE	24+38	46+57	LT/RT																			
	LA70	GEW	24+66		RT	1																		
	WP17	GEW	24+86		LT				1															
	WP18	GEW	25+32		RT				1															
	LA71	GEW	25+52		LT	1																		
	LA72	GEW	25+68		RT	1																		
	SL13	GEW	26+08		RT																			
	XW1	GEW	26+17	26+90	LT																			
534	DYL11	EASTGATE	46+57	46+94	LT																			
	CH38	EASTGATE	46+57	46+94	RT																			
	ELW18	EASTGATE/GEW	46+78	28+81	LT																			
	TLW5	EASTGATE/GEW	46+78	28+81	LT																			
	LA73	EASTGATE	46+84		CL	1																		
	SL14	EASTGATE	46+94		RT																			
	XW2	EASTGATE	47+07	48+06	LT																			
	SL15	GEW	27+30		LT																			
	CH39	GEW	27+30	28+81	LT																			
	LA74	GEW	27+40		LT	1																		
	WP19	GEW	28+06		LT				1															
	LA75	GEW	28+72		LT	1																		
SUBTOTALS THIS SHEET						18	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBTOTALS FROM SHEET 498						89	6	2	17	592	1523	1260	544	275	0	0.06	0.06	0.04	0.01	401	96	4	4	527
TOTALS CARRIED TO SHEET 502						107	6	2	23	592	1523	1260	544	275	0	0.06	0.06	0.04	0.01	401	96	4	4	527

PAVEMENT MARKING SUBSUMMARY

CLE-32-3.50 (PHASE 5)

CALCULATED
ACW
CHECKED
WAA

500
736

...310.20\310.205\103954\TS502.dgn 11/18/2021 4:25:31 PM ssopraseuth

SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	626	626	642	644	644	807 / 850	807 / 850	644	807 / 850	644	644	644	807 / 850	644	644	644	644	644
			FROM	TO		BARRIER REFLECTOR, TYPE 1, 1WAY	BARRIER REFLECTOR, TYPE 2, 1WAY	PARKING LOT STALL MARKING	EDGE LINE, 4" (WHITE)	EDGE LINE, 4" (YELLOW)	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, EDGE LINE, 6" (WHITE) / GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, EDGE LINE, 6" (YELLOW) / GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	LANE LINE, 4"	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, LANE LINE, 6" / GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	CENTER LINE (DOUBLE YELLOW)	CENTER LINE (DASHED/SOLID)	CHANNELIZING LINE, 8"	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, CHANNELIZING LINE, 12" / GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)	STOP LINE	CROSSWALK LINE	TRANSVERSE / DIAGONAL IINE	CHEVRON MARKING	ISLAND MARKING
						EACH	EACH	FT	MILE	MILE	MILE	MILE	MILE	MILE	MILE	FT	FT	FT	FT	FT	FT	FT	SF
535	ELW19	ELICK/MARIAN	48+39	46+44	LT				0.12														
	CH40	ELICK	48+39	49+50	LT											111							
	DYL12	ELICK	48+39	49+50	CL									0.02									
	LA76	ELICK	48+49		LT																		
	WP20	ELICK	49+15		LT																		
536	IM3	ELICK	60+72	60+78	LT																		57
	DSL1	ELICK	60+78	62+00	LT											0.02							
	DSL2	ELICK	60+78	62+00	CL											0.02							
	ELW20	ELICK	62+00	63+59	RT/LT				0.11														
537	NO NEW QUANTITIES																						
538	ELW21	OLD 74	199+20	201+94	LT				0.05														
	DYL13	OLD 74	199+20	201+60	CL									0.05									
	ELW22	OLD 74	199+20	202+17	RT/LT				0.08														
539	DYL14	OLD 74	205+15	207+76	CL									0.05									
	ELW23	OLD 74	205+50	205+50	LT/RT				0.04														
	REM5	OLD 74	205+50	205+83	LT																		
	REM6	OLD 74	205+50	207+76	RT/CL																		
	REM7	OLD 74	205+70		LT																		
	REM8	OLD 74	205+74		CL																		
540	PLS1	EASTGATE WOODS						173															
	PLS2	EASTGATE WOODS						380															
SUBTOTALS THIS SHEET						0	0	553	0.4	0	0	0	0	0.12	0.04	111	0	0	0	0	0	0	57
SUBTOTALS FROM SHEET 499						50	111	0	0.75	0.08	1.86	1.04	0.46	1.13	0.64	0.01	4262	5037	351	332	2455	211	490
TOTALS CARRIED TO GENERAL SUMMARY						50	111	553	1.23		2.9	0.46	1.13	0.81		4,373	5,037	351	332	2,455	211	547	

CALCULATED ACW CHECKED WAA
PAVEMENT MARKING SUBSUMMARY
CLE-32-3.50 (PHASE 5)
 501
 736

SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	644	644	644	644	644	807 / 850	807 / 850	807 / 850	644	644	644	807 / 850	807 / 850	646	646	646	646	646	646
			LANE ARROW	LANE REDUCTION ARROW		WRONG WAY ARROW	WORD ON PAVEMENT, 72"	DOTTED LINE, 4"	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 6" /	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 8" /	GROOVING FOR 8" RECESSED PAVEMENT MARKING, (ASPHALT)	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 12" /	GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)	REMOVAL OF PAVEMENT MARKING	REMOVAL OF PAVEMENT MARKING	REMOVAL OF PAVEMENT MARKING	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 4" (WHITE) / GROOVING FOR 4" RECESSED PAVEMENT MARKING, (CONCRETE)	WET REFLECTIVE EPOXY PAVEMENT MARKING, LANE LINE, 4" / GROOVING FOR 4" RECESSED PAVEMENT MARKING, (CONCRETE)	CENTER LINE (DOUBLE YELLOW)	CHANNELIZING LINE, 8"	STOP LINE	LANE ARROW	WORD ON PAVEMENT, 72"
			FROM	TO		EACH	EACH	EACH	EACH	FT	FT	FT	FT	FT	EACH	MILE	MILE	MILE	MILE	FT	FT	EACH	EACH	FT
535	ELW19	ELICK/MARIAN	48+39	46+44	LT																			
	CH40	ELICK	48+39	49+50	LT																			
	DYL12	ELICK	48+39	49+50	CL																			
	LA76	ELICK	48+49		LT	1																		
	WP20	ELICK	49+15		LT				1															
536	IM3	ELICK	60+72	60+78	LT																			
	DSL1	ELICK	60+78	62+00	LT																			
	DSL2	ELICK	60+78	62+00	CL																			
	ELW20	ELICK	62+00	63+59	RT/LT																			
537	NO NEW QUANTITIES																							
538	ELW21	OLD 74	199+20	201+94	LT																			
	DYL13	OLD 74	199+20	201+60	CL																			
	ELW22	OLD 74	199+20	202+17	RT/LT																			
539	DYL14	OLD 74	205+15	207+76	CL																			
	ELW23	OLD 74	205+50	205+50	LT/RT									33										
	REM5	OLD 74	205+50	205+83	LT																			
	REM6	OLD 74	205+50	207+76	RT/CL											0.04								
	REM7	OLD 74	205+70		LT										1									
	REM8	OLD 74	205+74		CL										1									
540	PLS1	EASTGATE WOODS																						
	PLS2	EASTGATE WOODS																						
SUBTOTALS THIS SHEET						1	0	0	1	0	0	0	0	33	2	0.04	0	0	0	0	0	0	0	0
SUBTOTALS FROM SHEET 500						107	6	2	23	592	1523	1260	544	275	0	0.06	0.06	0.04	0.01	401	96	4	4	527
TOTALS CARRIED TO GENERAL SUMMARY						108	6	2	24	592	1,523	1,260	544	308	2	0.1	0.06	0.04	0.01	401	96	4	4	527

PAVEMENT MARKING SUBSUMMARY

CLE-32-3.50 (PHASE 5)

CALCULATED
ACW
CHECKED
WAA

502
736

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SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	621				
			FROM	TO		RPM (WHITE/RED TWO-WAY)	RPM (YELLOW/YELLOW TWO-WAY)	RPM (YELLOW/RED TWO-WAY)		
						EACH	EACH	EACH		
504	RPM1	BACH BUXTON	332+41	339+80	LT	9				
	RPM2	BACH BUXTON	332+41	334+65	LT	6				
	RPM3	BACH BUXTON	332+41	339+80	LT		9			
	RPM4	BACH BUXTON	332+41	339+80	CL		9			
	RPM5	BACH BUXTON	332+43	335+60	RT	4				
	RPM6	BACH BUXTON	335+60	339+80	RT	10				
	RPM7	BACH BUXTON	335+60	339+80	RT	10				
	RPM8	BACH BUXTON	335+60	339+80	RT	5				
505	RPM9	BACH BUXTON/RMP O	339+21	195+91	LT/RT	3				
	RPM10	NOT USED								
	RPM11	NOT USED								
	RPM12	RAMP P	198+14	203+65	LT	6				
506	RPM13	NOT USED								
	RPM14	NOT USED								
	RPM15	NOT USED								
	RPM16	NOT USED								
	RPM17	NOT USED								
	RPM18	BACH BUXTON	342+85	346+05	LT	8				
	RPM19	BACH BUXTON	343+15	349+04	LT	7				
	RPM20	BACH BUXTON	343+15	347+90	LT	12				
	RPM21	BACH BUXTON	343+15	346+90	LT	9				
	RPM22	BACH BUXTON	343+15	349+00	CL		7			
	RPM23	BACH BUXTON	343+15	349+00	RT		7			
	RPM24	BACH BUXTON	343+15	344+10	RT	2				
	RPM25	BACH BUXTON	344+10	349+00	RT	12				
	RPM26	BACH BUXTON	344+70	349+00	RT	10				
	RPM27	RMP N/BACH BUXTON	196+89	343+46	LT	3				
	RPM28	RAMP Q	198+90	201+85	CL	7				
	RPM29	RAMP Q	199+01	201+45	RT	6				
	RPM30	BACH BUXTON/RMP Q	343+30	199+60	RT/CL	3				
	RPM31	BACH BUXTON/RMP Q	343+45	201+45	LT	6				
507		NO NEW QUANTITIES								
509		NO NEW QUANTITIES								
510		NO NEW QUANTITIES								
511	RPM35	SR 32	139+39	143+22	RT	10				
512		NO NEW QUANTITIES								
513		NO NEW QUANTITIES								
514		NO NEW QUANTITIES								
515		NO NEW QUANTITIES								
516		NO NEW QUANTITIES								
517		NO NEW QUANTITIES								
518		NO NEW QUANTITIES								
519		NO NEW QUANTITIES								
SUBTOTALS CARRIED TO RIGHT PAGE						148	32	0		

SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	621				
			FROM	TO		RPM (WHITE/RED TWO-WAY)	RPM (YELLOW/YELLOW TWO-WAY)	RPM (YELLOW/RED TWO-WAY)		
						EACH	EACH	EACH		
519	RPM41	SR 32	184+04	188+88	RT	12				
	RPM42	RAMP O	184+04	188+88	LT	12				
520	RPM42A	RAMP O	188+88	197+18	LT			10		
521	RPM43	RAMP N	190+40	197+49	RT	8				
	RPM45	RAMP O	193+48	197+09	LT	9				
	RPM46	RMP O/BACH BUXTON	193+48	339+12	CL	11				
	RPM47	RAMP O	193+89	196+94	LT	7				
	RPM48	RAMP N	195+86	197+86	LT	5				
522	RPM48A	RAMP Q	198+84	208+06	RT			12		
523	RPM49	RAMP P/SR 32	203+65	216+15	LT/RT	15				
	RPM50	RAMP P/SR 32	205+50	211+00	LT/RT	13				
	RPM51	SR 32	205+51	211+00	RT	13				
524	RPM52	RAMP Q	208+06	210+89	RT	7				
525		NO NEW QUANTITIES								
526		NO NEW QUANTITIES								
527		NO NEW QUANTITIES								
528		NO NEW QUANTITIES								
529		NO NEW QUANTITIES								
530		NO NEW QUANTITIES								
531	RPM54	GEW	12+17	14+80	RT	3				
	RPM55	GEW	13+65	14+80	LT		2			
532	RPM56	GEW	15+50	15+50	LT	5				
	RPM57	GEW	15+50	16+44	CL		2			
	RPM58	GEW	15+50	16+57	RT	4				
	RPM59	GEW	16+74	17+46	LT	3				
533	RPM60	GEW	22+60	26+08	RT	8				
	RPM61	GEW	23+19	26+08	RT	3				
	RPM62	GEW	24+24	26+08	LT		3			
	RPM63	GEW	24+24	26+08	LT		3			
534	RPM64	EASTGATE	46+57	46+94	LT		2			
	RPM65	EASTGATE	46+57	46+94	RT	3				
	RPM66	GEW	27+30	28+81	LT	4				
535	RPM67	ELICK	48+39	49+50	LT	3				
	RPM68	ELICK	48+39	49+50	CL		2			
536	RPM69	ELICK	60+78	62+00	LT		2			
	RPM70	ELICK	60+78	62+00	CL		2			
537		NO NEW QUANTITIES								
538	RPM71	OLD 74	199+20	201+60	CL		3			
539	RPM72	OLD 74	205+15	207+76	CL		3			
ESTIMATED RPM REMOVALS									450	
SUBTOTALS THIS PAGE						148	24	22	450	
SUBTOTALS FROM LEFT PAGE						148	32	0		
TOTALS THIS PAGE						296	56	22	450	
TOTAL CARRIED TO GENERAL SUMMARY							374		450	

RPM SUBSUMMARY

CLE-32-3.50 (PHASE 5)

(503)
736

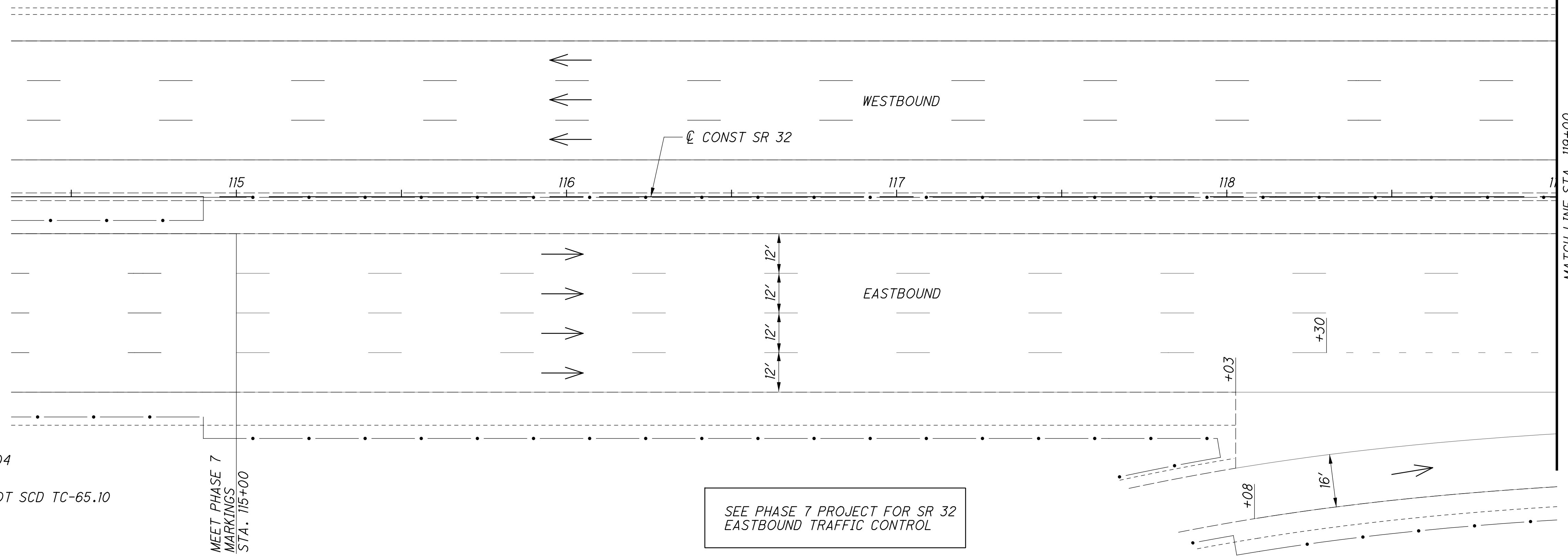
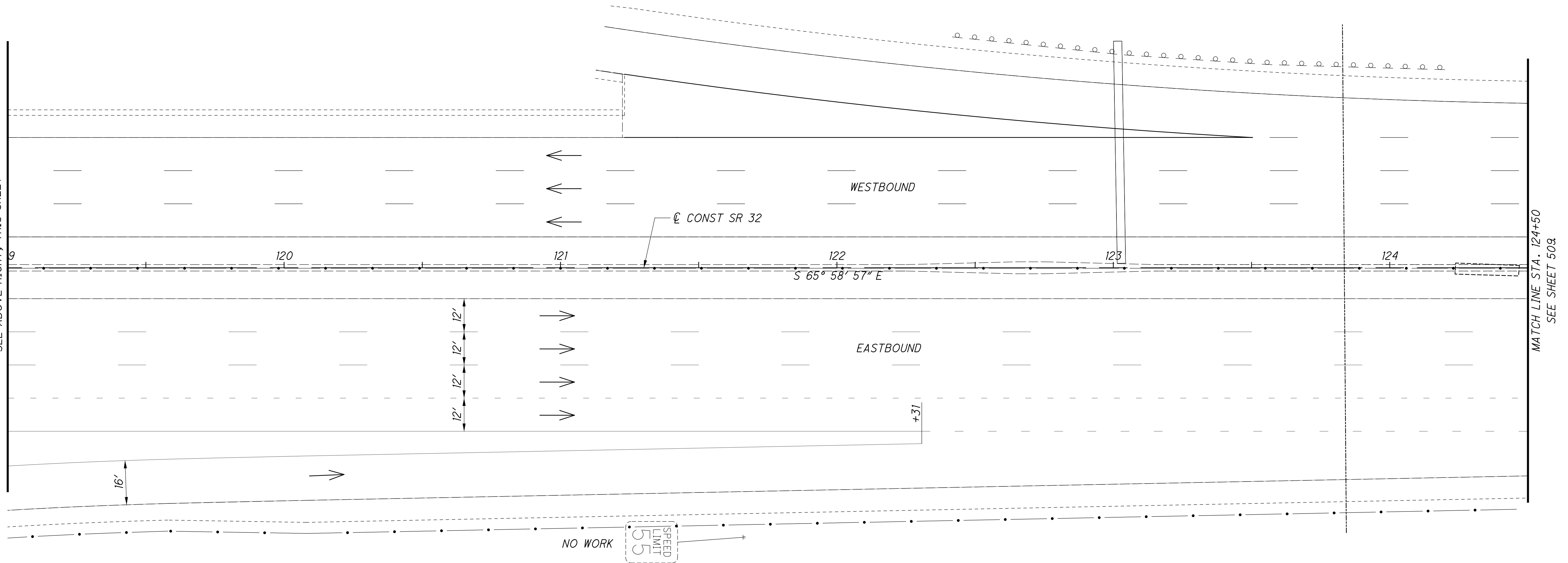
...\\310.20\310.205\103954\TP509.dgn 11/18/2021 4:21:06 PM ssopraseuth

NOTES:

- 1. FOR TRAFFIC CONTROL LEGEND, SEE SHEET 504
- 2. INSTALL RAISED PAVEMENT MARKERS PER ODOT SCD TC-65.10 AND TC-65.11.

CALLOUT "REM1" NOT USED

MATCH LINE STA. 119+00
SEE ABOVE RIGHT, THIS SHEET



MATCH LINE STA. 119+00
SEE BOTTOM LEFT, THIS SHEET

CALCULATED ACW
CHECKED WAA

0 10 20 40
HORIZONTAL SCALE IN FEET

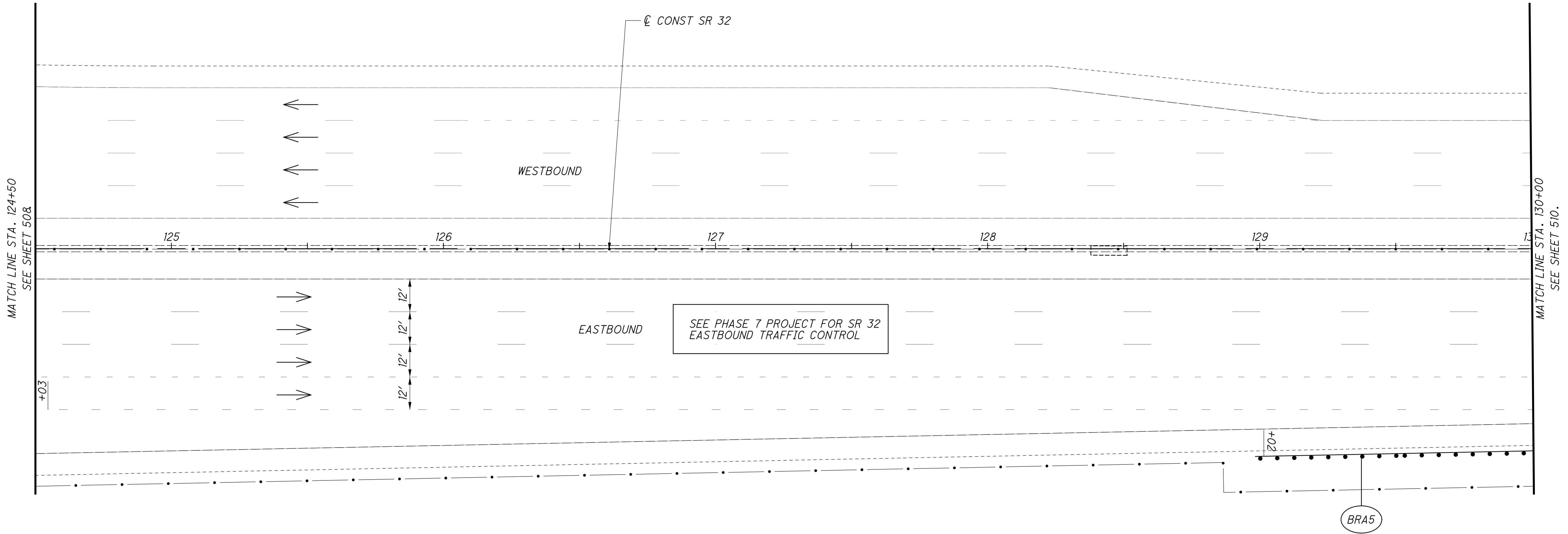
TRAFFIC CONTROL PLAN - SR 32
STA. 115+00 TO STA. 124+50

CLE-32-3.50
(PHASE 5)

508
736

NOTE:

- 1. FOR TRAFFIC CONTROL LEGEND, SEE SHEET 504
- 2. INSTALL RAISED PAVEMENT MARKERS PER ODOT SCD TC-65.10 AND TC-65.11.



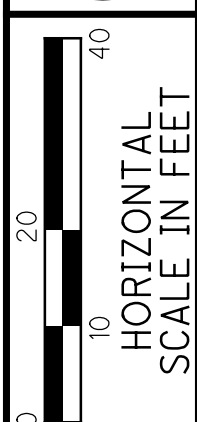
CALCULATED
ACW

CHECKED
WAA

0 10 20 40
HORIZONTAL
SCALE IN FEET

TRAFFIC CONTROL PLAN - SR 32
STA. 124+50 TO STA. 130+00

CLE-32-3.50
(PHASE 5)

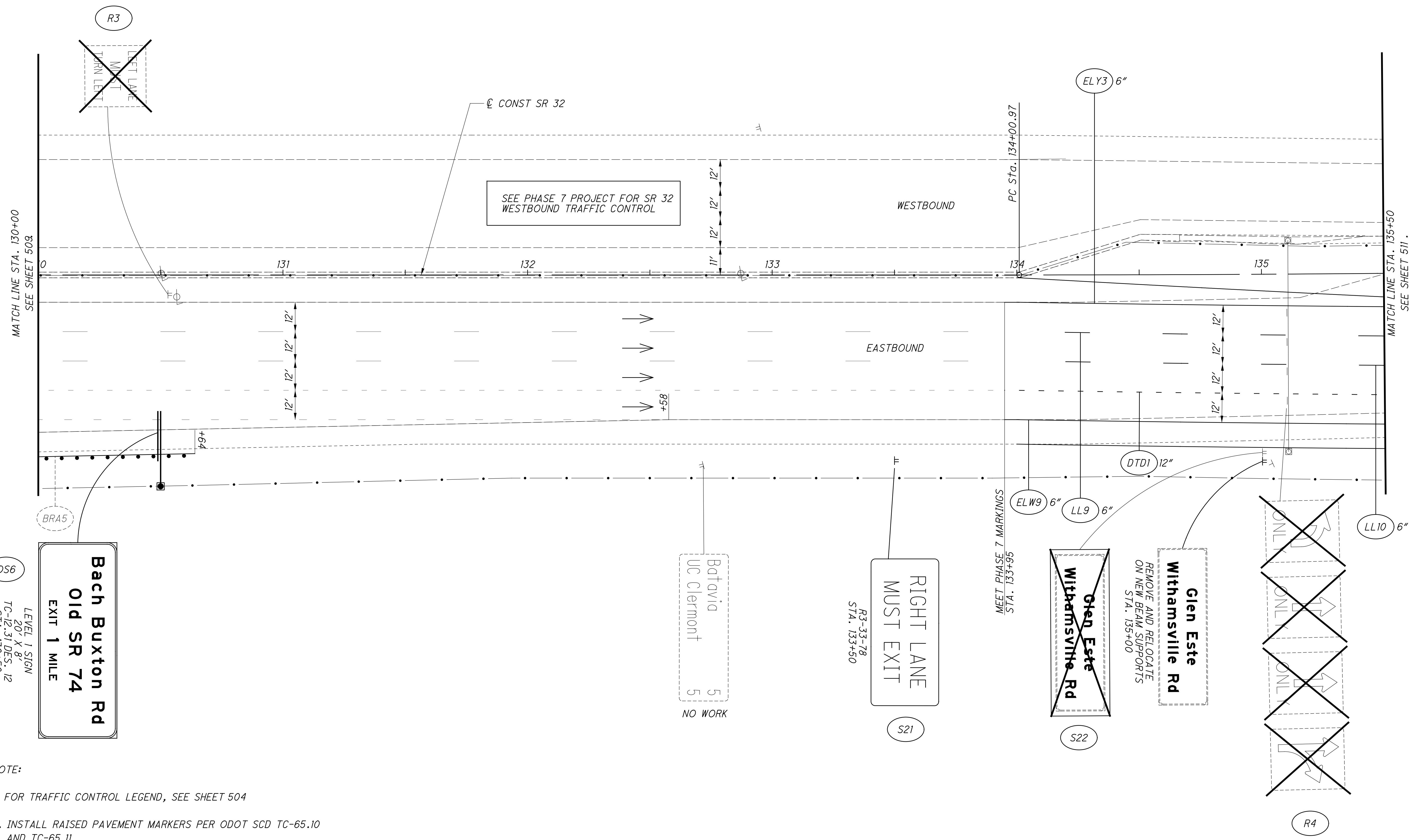


CALCULATED ACW
CHECKED WAA

TRAFFIC CONTROL PLAN - SR 32
STA. 130+00 TO STA. 135+50

CLE-32-3.50
(PHASE 5)

510
736



OS6
LEVEL 1 SIGN
20' X 8'
TC-12.31 DES. 12
STA. 130+50

BRA5

Bach Buxton Rd
Old SR 74
EXIT 1 MILE

Batavia
UC Clermont
5
5
NO WORK

R3-33-78
STA. 133+50

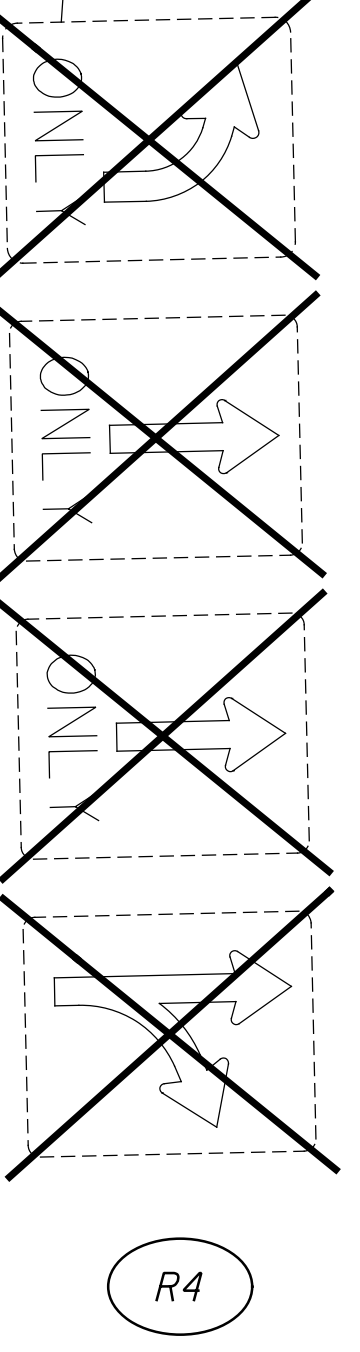
**RIGHT LANE
MUST EXIT**

S21

**Glen Este
Withamsville Rd**

S22

**Glen Este
Withamsville Rd**
REMOVE AND RELOCATE
ON NEW BEAM SUPPORTS
STA. 135+00



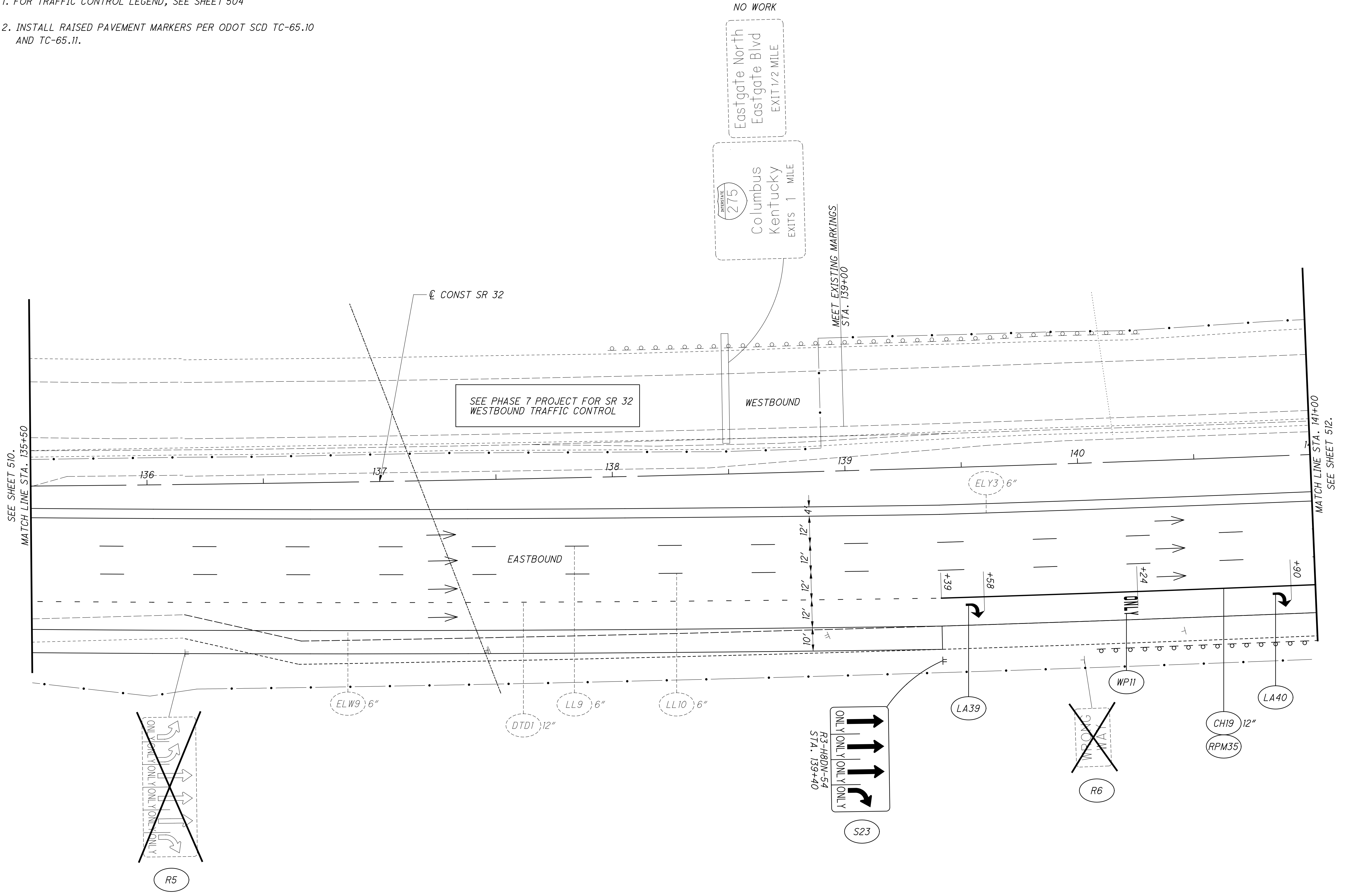
- NOTE:
1. FOR TRAFFIC CONTROL LEGEND, SEE SHEET 504
 2. INSTALL RAISED PAVEMENT MARKERS PER ODOT SCD TC-65.10 AND TC-65.11.
 3. FOR SIGN ELEVATION VIEW OF CANTILEVER SIGN, SEE SHEET 543
 4. FOR SIGN ELEVATION VIEW OF BEAM MOUNTED SIGN, SEE SHEET 544

...310.20\310.205\103954TP511.dgn 11/18/2021 4:21:21 PM ssopraseuth

NOTES:

1. FOR TRAFFIC CONTROL LEGEND, SEE SHEET 504
2. INSTALL RAISED PAVEMENT MARKERS PER ODOT SCD TC-65.10 AND TC-65.11.

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CALCULATED
ACW
CHECKED
WAA

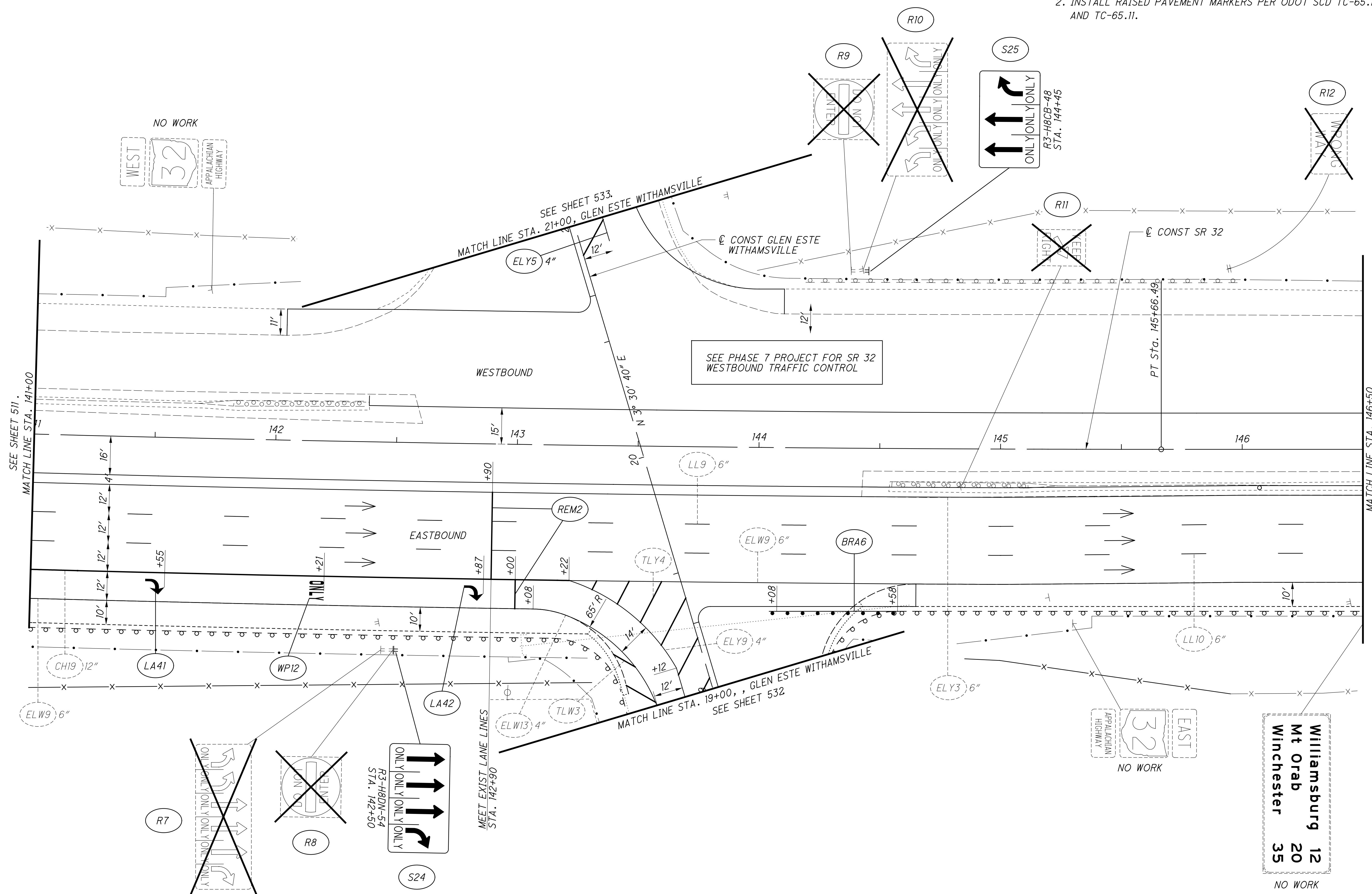
0 20 40
HORIZONTAL
SCALE IN FEET

TRAFFIC CONTROL PLAN - SR 32
STA. 135+50 TO STA. 141+00

CLE-32-3.50
(PHASE 5)

...310.20\310.205\103954TP513.dgn 11/18/2021 4:21:33 PM ssopraseuth

- NOTES:
- FOR TRAFFIC CONTROL LEGEND, SEE SHEET 504
 - INSTALL RAISED PAVEMENT MARKERS PER ODOT SCD TC-65.10 AND TC-65.11.



CALCULATED
ACW
CHECKED
WAA

0 10 20 40
HORIZONTAL
SCALE IN FEET

**TRAFFIC CONTROL PLAN - SR 32
STA. 141+00 TO STA. 146+50**

**CLE-32-3.50
(PHASE 5)**

512
736

Williamsburg 12
Mt Orab 20
Winchester 35

NO WORK

NOTES:

1. FOR TRAFFIC CONTROL LEGEND, SEE SHEET 504

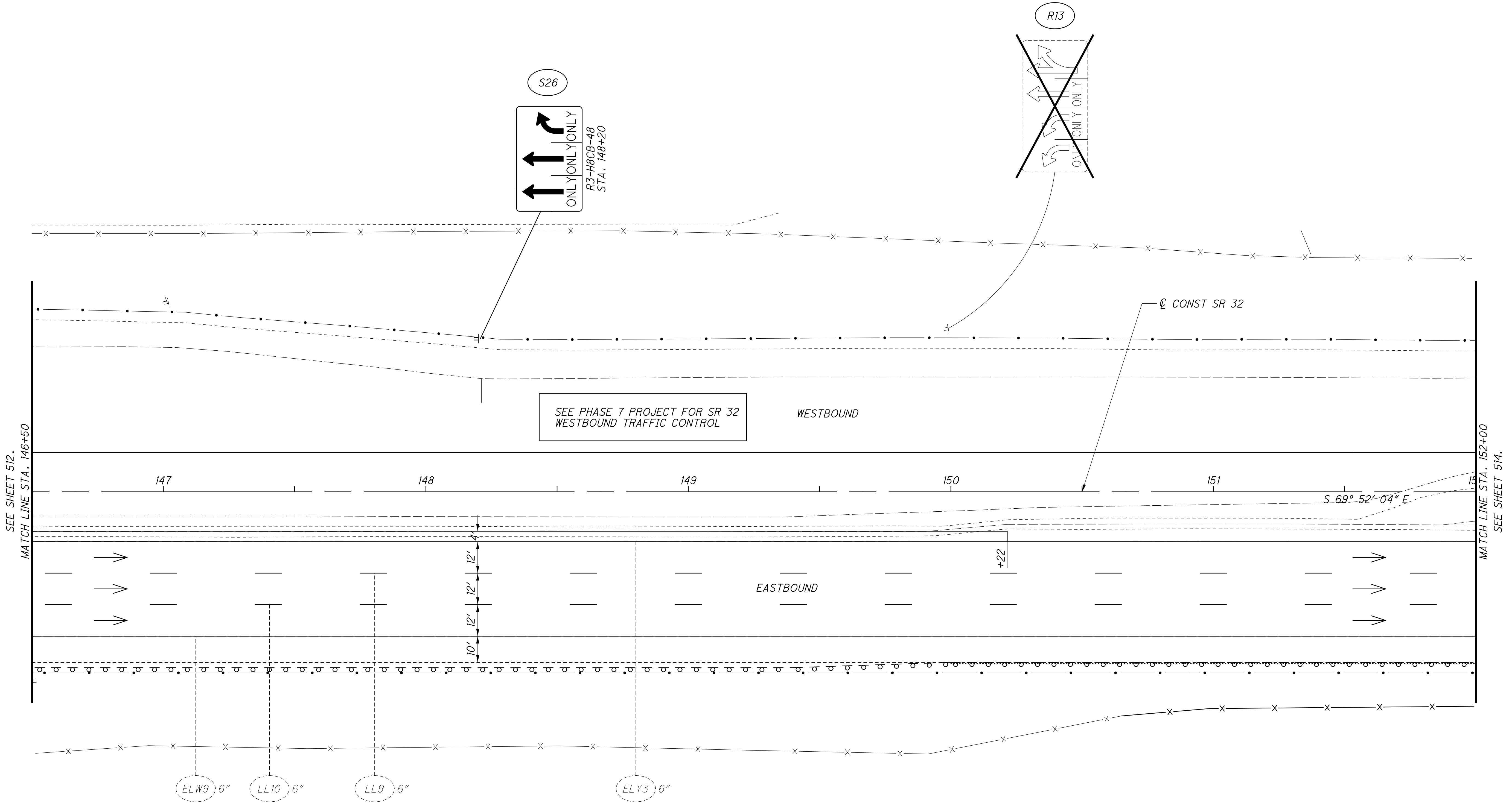
CALCULATED ACW
CHECKED WAA

0 10 20 40
HORIZONTAL SCALE IN FEET

TRAFFIC CONTROL PLAN - SR 32
STA. 146+50 TO STA. 152+00

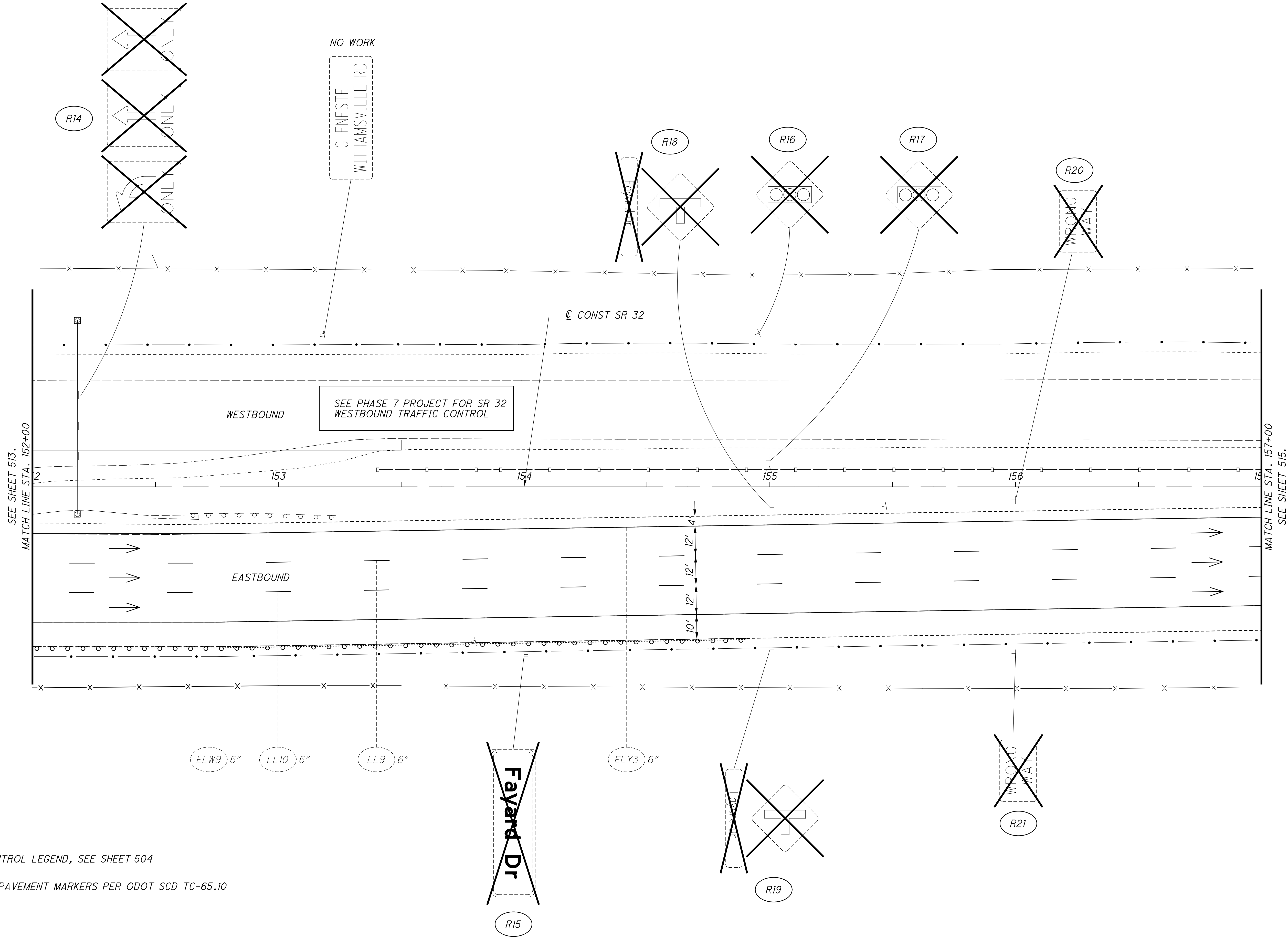
CLE-32-3.50
(PHASE 5)

513
736



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- NOTES:
- FOR TRAFFIC CONTROL LEGEND, SEE SHEET 504
 - INSTALL RAISED PAVEMENT MARKERS PER ODOT SCD TC-65.10 AND TC-65.11.

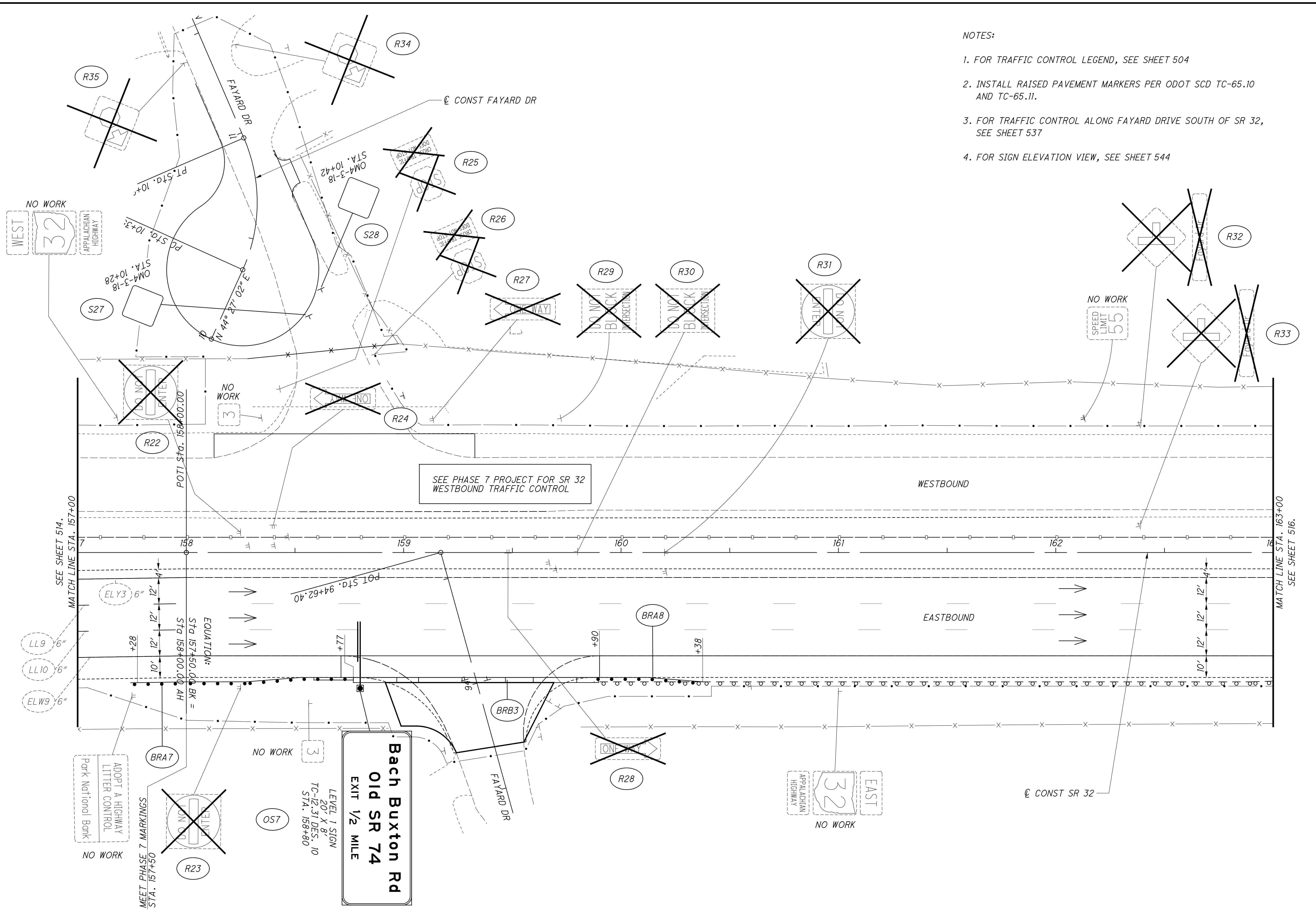
CALCULATED
ACW
CHECKED
WAA

0 10 20 40
HORIZONTAL
SCALE IN FEET

TRAFFIC CONTROL PLAN - SR 32
STA. 152+00 TO STA. 157+00

CLE-32-3.50
(PHASE 5)

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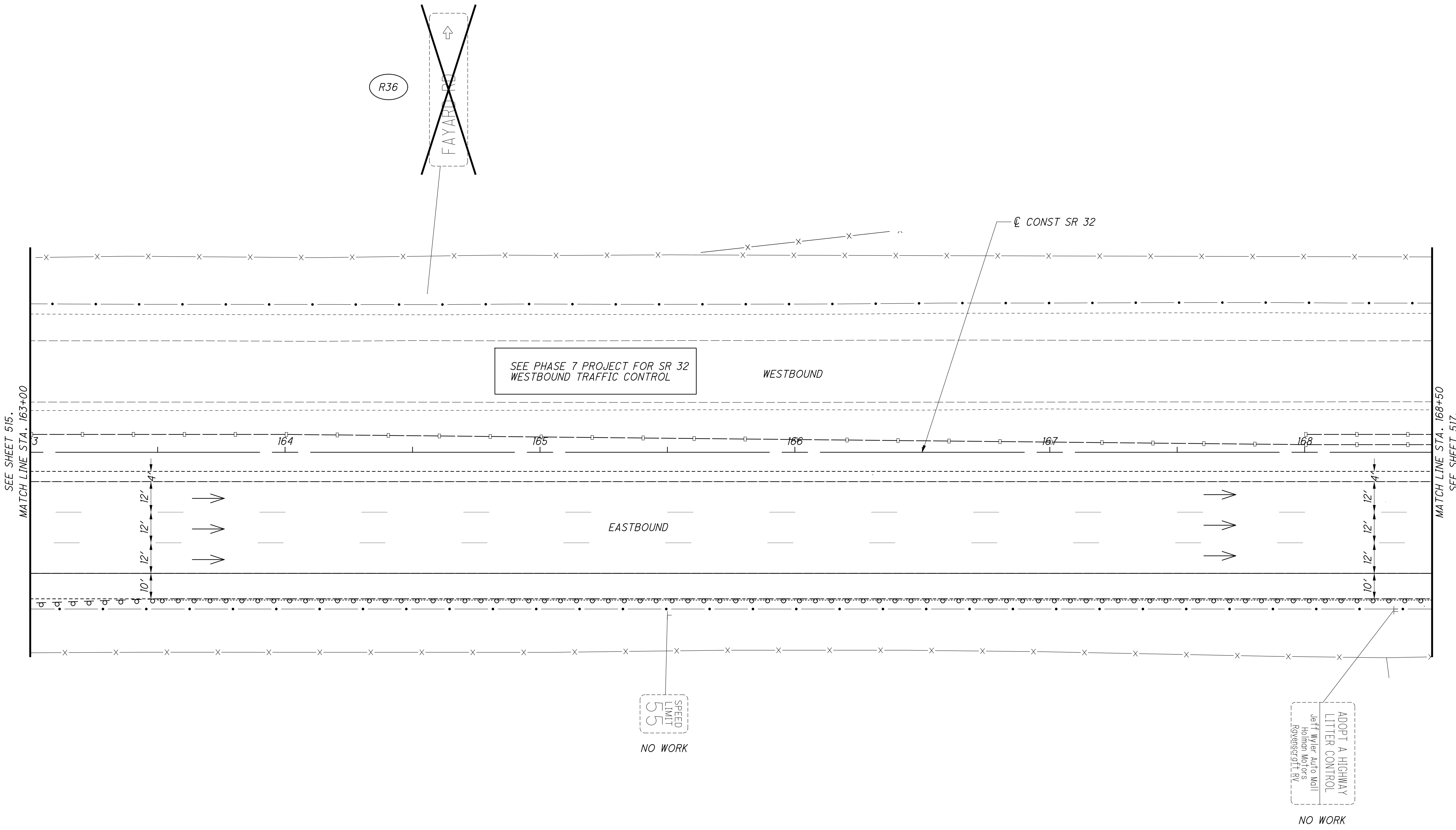
- NOTES:
1. FOR TRAFFIC CONTROL LEGEND, SEE SHEET 504
 2. INSTALL RAISED PAVEMENT MARKERS PER ODOT SCD TC-65.10 AND TC-65.11.
 3. FOR TRAFFIC CONTROL ALONG FAYARD DRIVE SOUTH OF SR 32, SEE SHEET 537
 4. FOR SIGN ELEVATION VIEW, SEE SHEET 544

CALCULATED ACW
CHECKED WAA

0 20 40
HORIZONTAL SCALE IN FEET

TRAFFIC CONTROL PLAN - SR 32
STA. 157+00 TO STA. 163+00

CLE-32-3.50
(PHASE 5)



NOTES:

1. FOR TRAFFIC CONTROL LEGEND, SEE SHEET 504

CALCULATED
ACW
CHECKED
WAA

0 10 20 40
HORIZONTAL
SCALE IN FEET

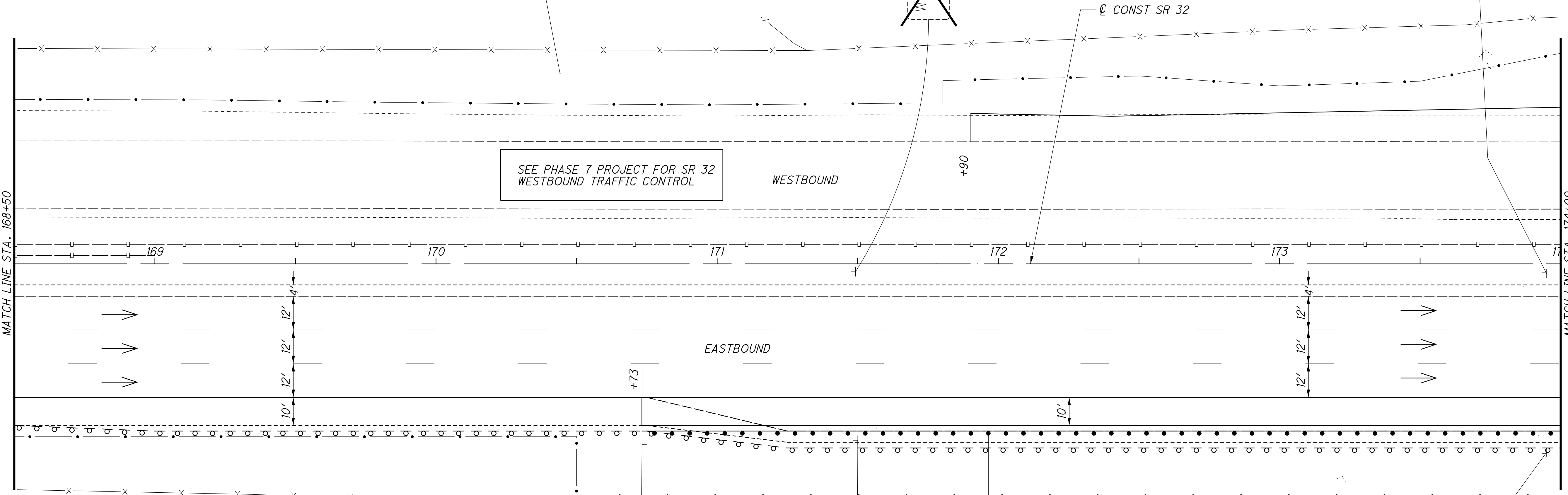
TRAFFIC CONTROL PLAN - SR 32
STA. 163+00 TO STA. 168+50

CLE-32-3.50
(PHASE 5)

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SEE SHEET 516.
MATCH LINE STA. 168+50

MATCH LINE STA. 174+00
SEE SHEET 518.



NO WORK
Eastgate Blvd
EXIT 1 MILE

SEE PHASE 7 PROJECT FOR SR 32
WESTBOUND TRAFFIC CONTROL

NOTES:

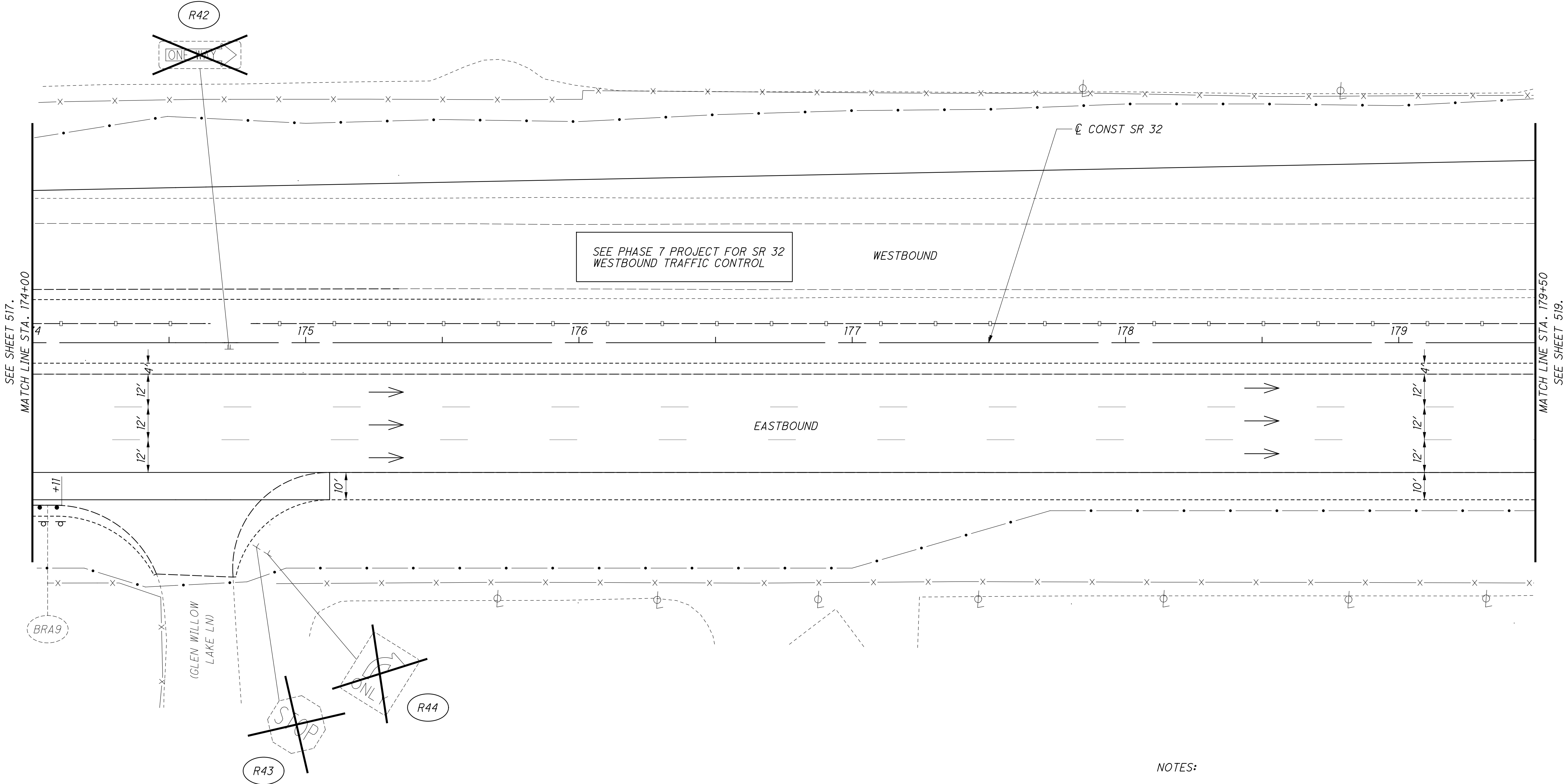
1. FOR TRAFFIC CONTROL LEGEND, SEE SHEET 504
2. INSTALL RAISED PAVEMENT MARKERS PER ODOT SCD TC-65.10 AND TC-65.11.

CALCULATED ACW
CHECKED WAA

HORIZONTAL SCALE IN FEET

TRAFFIC CONTROL PLAN - SR 32
STA. 168+50 TO STA. 174+00

CLE-32-3.50
(PHASE 5)



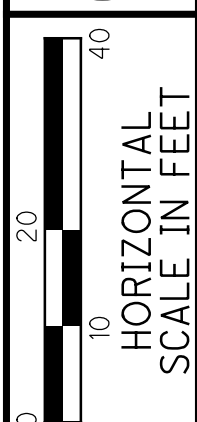
- NOTES:
1. FOR TRAFFIC CONTROL LEGEND, SEE SHEET 504
 2. INSTALL RAISED PAVEMENT MARKERS PER ODOT SCD TC-65.10 AND TC-65.11.

CALCULATED
ACW
CHECKED
WAA

0 10 20 40
HORIZONTAL
SCALE IN FEET

**TRAFFIC CONTROL PLAN - SR 32
STA. 174+00 TO STA. 179+50**

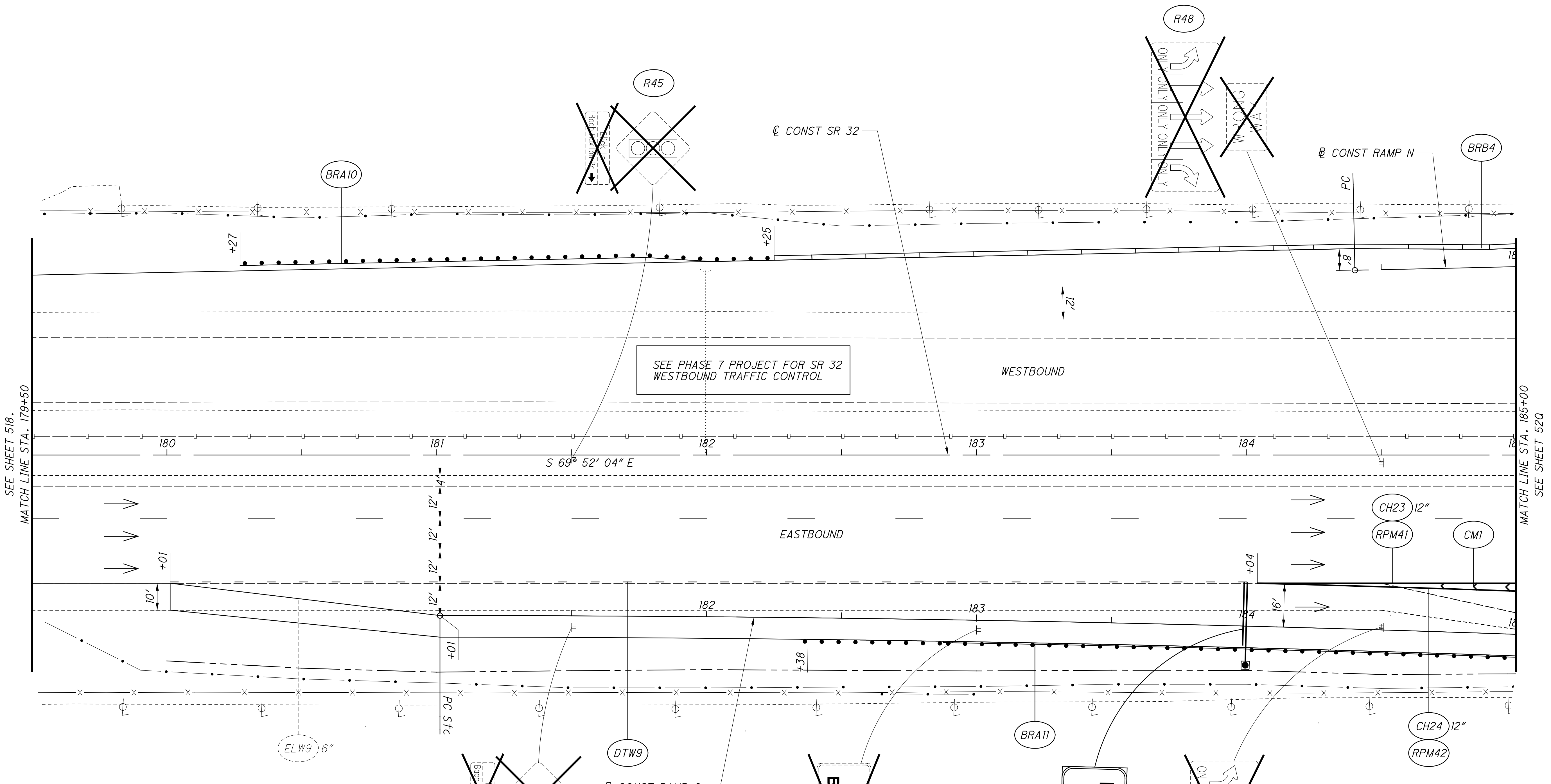
**CLE-32-3.50
(PHASE 5)**



CALCULATED
ACW
CHECKED
WAA

TRAFFIC CONTROL PLAN - SR 32
STA. 179+50 TO STA. 185+00

CLE-32-3.50
(PHASE 5)

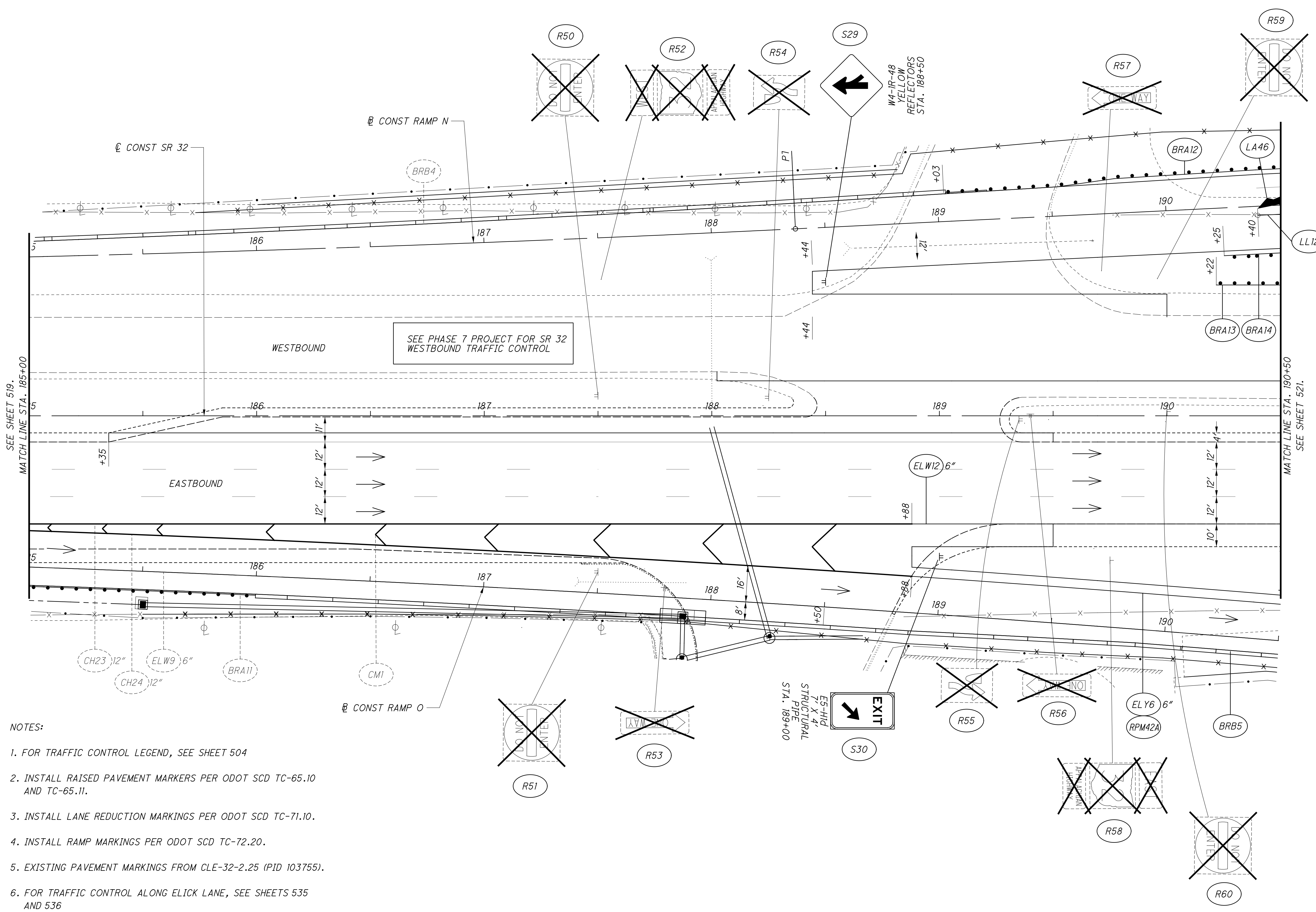


NOTES:

1. FOR TRAFFIC CONTROL LEGEND, SEE SHEET 504
2. INSTALL RAISED PAVEMENT MARKERS PER ODOT SCD TC-65.10 AND TC-65.11.
3. INSTALL LANE REDUCTION MARKINGS PER ODOT SCD TC-71.10.
4. INSTALL RAMP MARKINGS PER ODOT SCD TC-72.20.
5. EXISTING PAVEMENT MARKINGS FROM CLE-32-2.25 (PID 103755).
6. FOR SIGN ELEVATION VIEW, SEE SHEET 545

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SEE PHASE 7 PROJECT FOR SR 32 WESTBOUND TRAFFIC CONTROL

NOTES:

1. FOR TRAFFIC CONTROL LEGEND, SEE SHEET 504
2. INSTALL RAISED PAVEMENT MARKERS PER ODOT SCD TC-65.10 AND TC-65.11.
3. INSTALL LANE REDUCTION MARKINGS PER ODOT SCD TC-71.10.
4. INSTALL RAMP MARKINGS PER ODOT SCD TC-72.20.
5. EXISTING PAVEMENT MARKINGS FROM CLE-32-2.25 (PID 103755).
6. FOR TRAFFIC CONTROL ALONG ELICK LANE, SEE SHEETS 535 AND 536

CALCULATED ACW
CHECKED WAA

0 20 40
HORIZONTAL SCALE IN FEET

TRAFFIC CONTROL PLAN - SR 32
STA. 185+00 TO STA. 190+50

CLE-32-3.50
(PHASE 5)

520
736



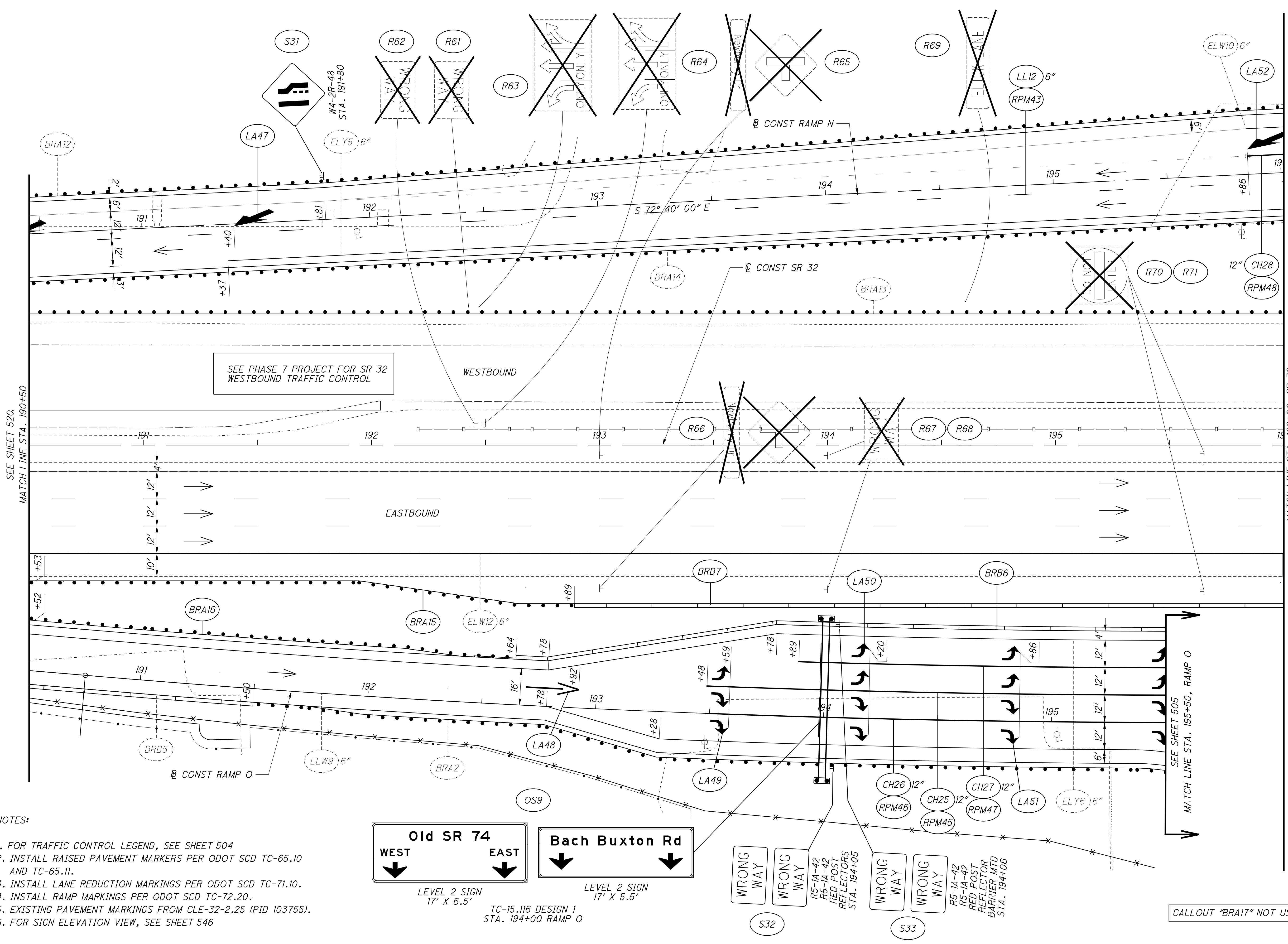
0 20 40
HORIZONTAL
SCALE IN FEET

CALCULATED
ACW
CHECKED
WAA

TRAFFIC CONTROL PLAN - SR 32
STA. 190+50 TO STA. 196+00

CLE-32-3.50
(PHASE 5)

521
736



SEE PHASE 7 PROJECT FOR SR 32
WESTBOUND TRAFFIC CONTROL

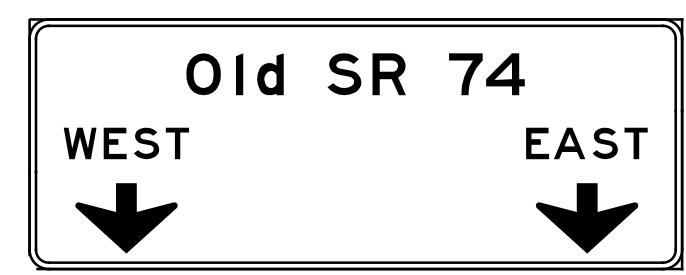
SEE SHEET 520.
MATCH LINE STA. 190+50

MATCH LINE STA. 196+00, SR 32
SEE SHEET 522

SEE SHEET 505
MATCH LINE STA. 195+50, RAMP O

NOTES:

1. FOR TRAFFIC CONTROL LEGEND, SEE SHEET 504
2. INSTALL RAISED PAVEMENT MARKERS PER ODOT SCD TC-65.10 AND TC-65.11.
3. INSTALL LANE REDUCTION MARKINGS PER ODOT SCD TC-71.10.
4. INSTALL RAMP MARKINGS PER ODOT SCD TC-72.20.
5. EXISTING PAVEMENT MARKINGS FROM CLE-32-2.25 (PID 103755).
6. FOR SIGN ELEVATION VIEW, SEE SHEET 546



LEVEL 2 SIGN
17' X 6.5'

LEVEL 2 SIGN
17' X 5.5'

TC-15.116 DESIGN 1
STA. 194+00 RAMP O

WRONG WAY

WRONG WAY

WRONG WAY

WRONG WAY

R5-1A-42
R5-1A-42
RED POST
REFLECTORS
STA. 194+05

R5-1A-42
R5-1A-42
RED POST
REFLECTOR
BARRIER MTD
STA. 194+06

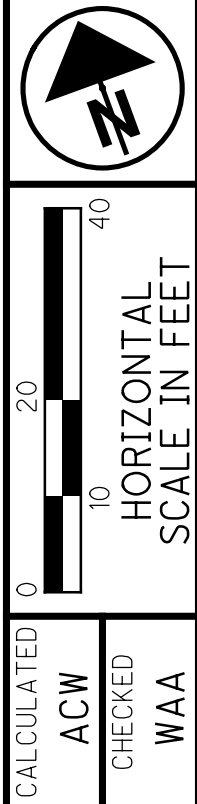
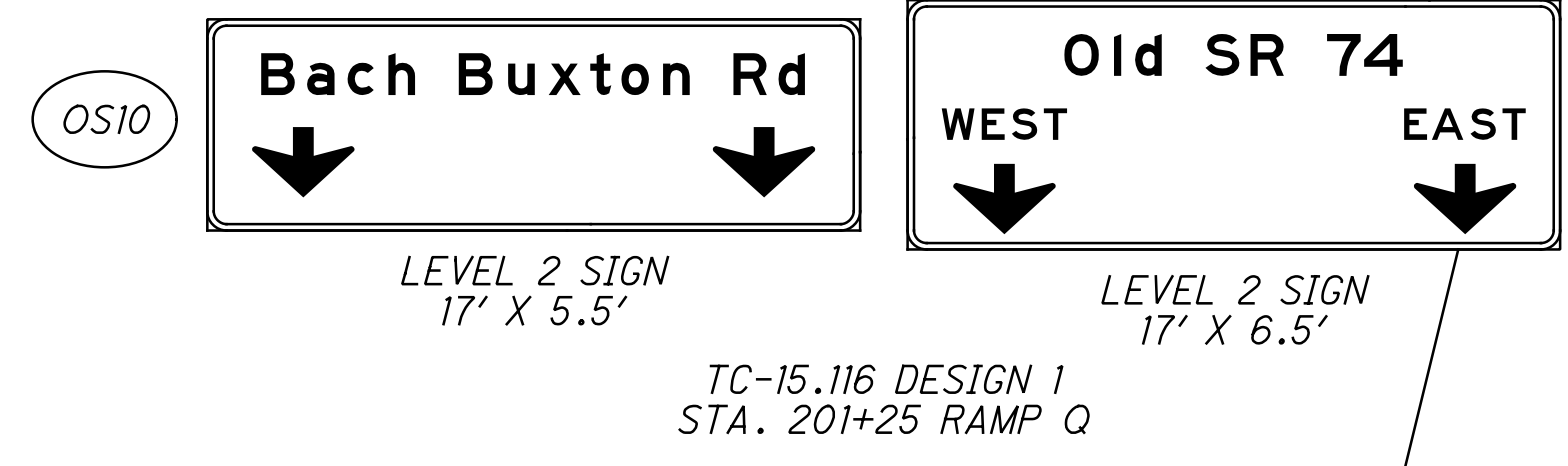
CALLOUT "BRA17" NOT USED

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CALLOUT "BRB8" NOT USED

NOTES:

1. FOR TRAFFIC CONTROL LEGEND, SEE SHEET 504
2. INSTALL RAISED PAVEMENT MARKERS PER ODOT SCD TC-65.10 AND TC-65.11.
3. INSTALL LANE REDUCTION MARKINGS PER ODOT SCD TC-71.10.
4. INSTALL RAMP MARKINGS PER ODOT SCD TC-72.20.
5. EXISTING PAVEMENT MARKINGS FROM CLE-32-2.25 (PID 103755).
6. FOR SIGN ELEVATION VIEW, SEE SHEET 547

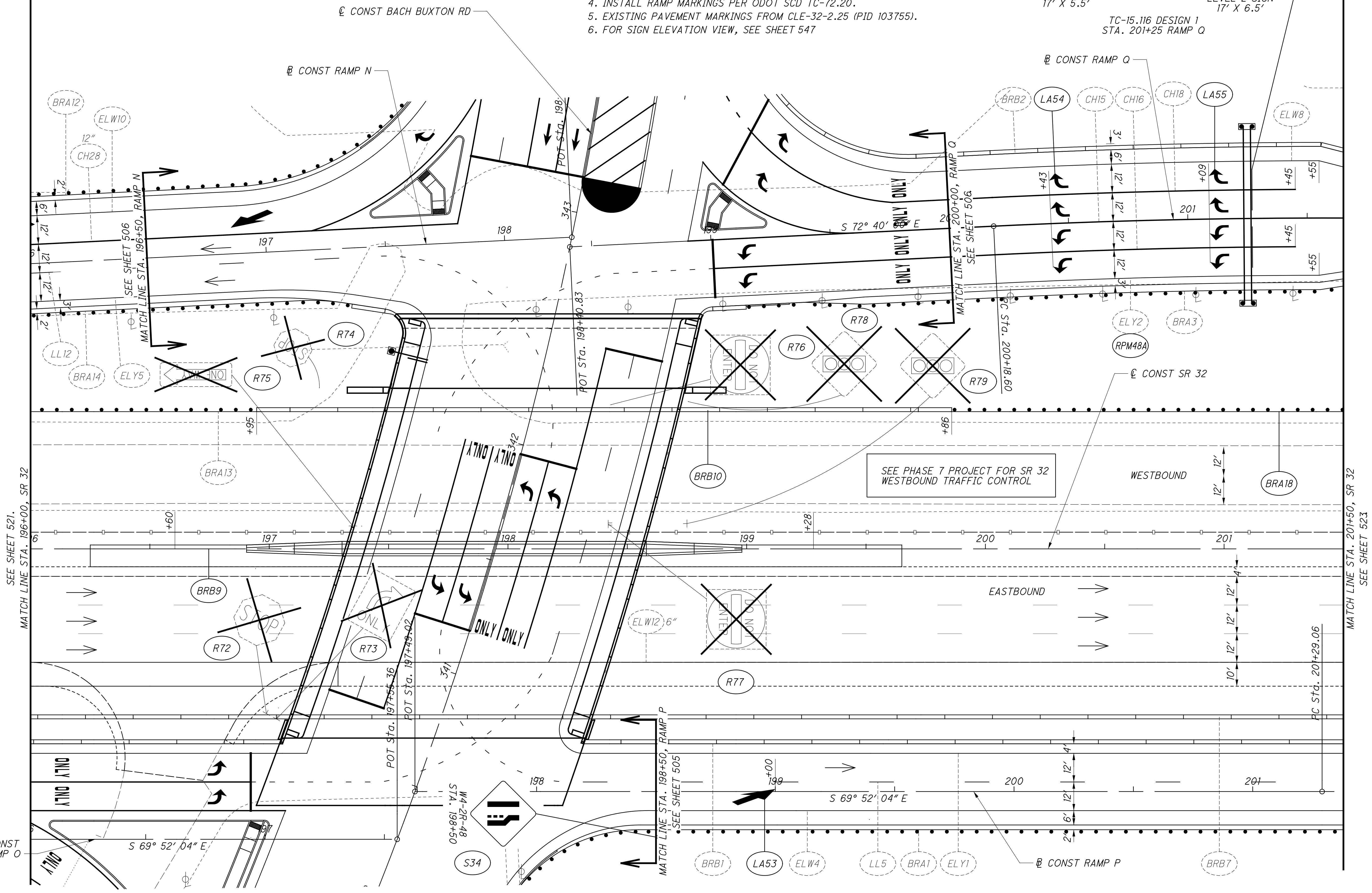


TRAFFIC CONTROL PLAN - SR 32
 STA. 196+00 TO STA. 201+50

CLE-32-3.50
 (PHASE 5)

522
 736

...310.20\310.205\103954TP523.dgn 11/18/2021 4:22:43 PM ssopraseuth



SEE PHASE 7 PROJECT FOR SR 32 WESTBOUND TRAFFIC CONTROL

SEE SHEET 521.
 MATCH LINE STA. 196+00, SR 32

MATCH LINE STA. 201+50, SR 32
 SEE SHEET 523

SEE SHEET 506
 MATCH LINE STA. 196+50, RAMP N

SEE SHEET 506
 MATCH LINE STA. 200+00, RAMP Q

SEE SHEET 505
 MATCH LINE STA. 198+50, RAMP P

PC STA. 20+29.06

W4-2R-48
 STA. 198+50

S 69° 52' 04" E

S 69° 52' 04" E

S 72° 40' 00" E

POT Sta. 197+98.02

POT Sta. 197+55.36

POT Sta. 198

POT Sta. 198+40.83

PC STA. 200+18.60

BRA12

ELW10

CH28

LL12

BRA14

ELY5

R75

R74

BRA13

+60

BRB9

R72

R73

S37

S38

S39

S40

S41

S42

S43

S44

R77

+28

BRB10

R76

R78

R79

+86

ELY2

BRA3

RPM48A

BRA18

+12'

+12'

+12'

+12'

+10'

+12'

+12'

+4'

WESTBOUND

EASTBOUND

LEVEL 2 SIGN
 17' X 5.5'

LEVEL 2 SIGN
 17' X 6.5'

TC-15.116 DESIGN 1
 STA. 201+25 RAMP Q

CONST RAMP Q

CONST RAMP N

CONST BACH BUXTON RD

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

CONST SR 32

CONST RAMP O

CONST RAMP P

OS10

Bach Buxton Rd

Old SR 74
 WEST EAST

CONST RAMP Q

CONST RAMP N

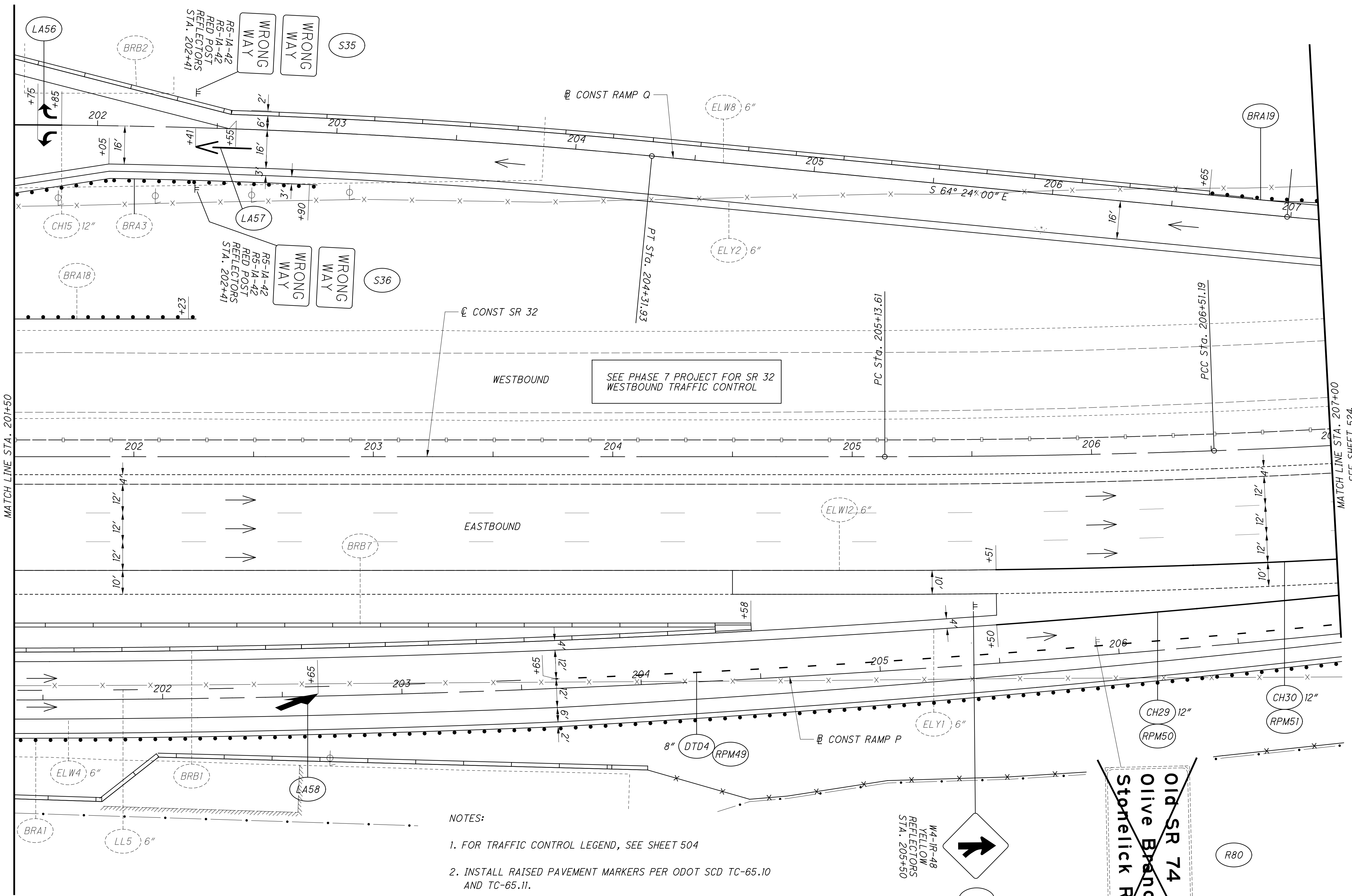
CONST SR 32

CONST RAMP O

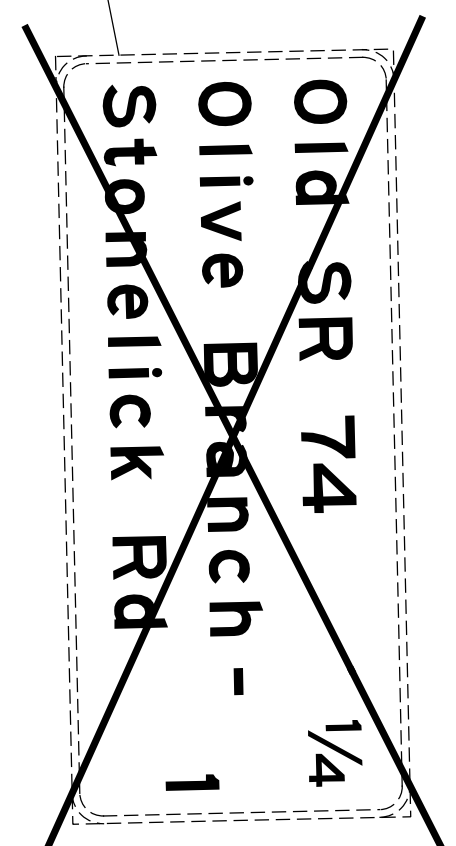
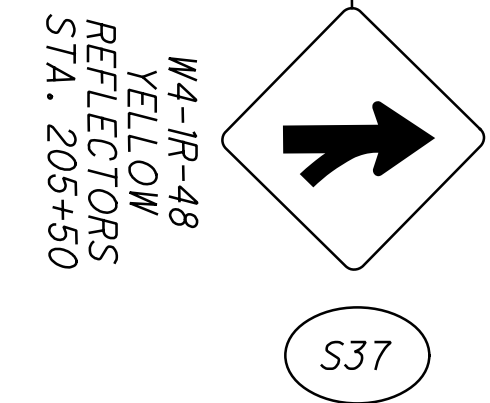
CONST RAMP P</

...310.20\310.205\103954TP524.dgn 11/18/2021 4:22:52 PM ssopraseuth

SEE SHEET 522.
MATCH LINE STA. 201+50



- NOTES:
1. FOR TRAFFIC CONTROL LEGEND, SEE SHEET 504
 2. INSTALL RAISED PAVEMENT MARKERS PER ODOT SCD TC-65.10 AND TC-65.11.
 3. INSTALL LANE REDUCTION MARKINGS PER ODOT SCD TC-71.10.
 4. INSTALL RAMP MARKINGS PER ODOT SCD TC-72.20.
 5. EXISTING PAVEMENT MARKINGS FROM CLE-32-2.25 (PID 103755).



CALCULATED ACW CHECKED WAA

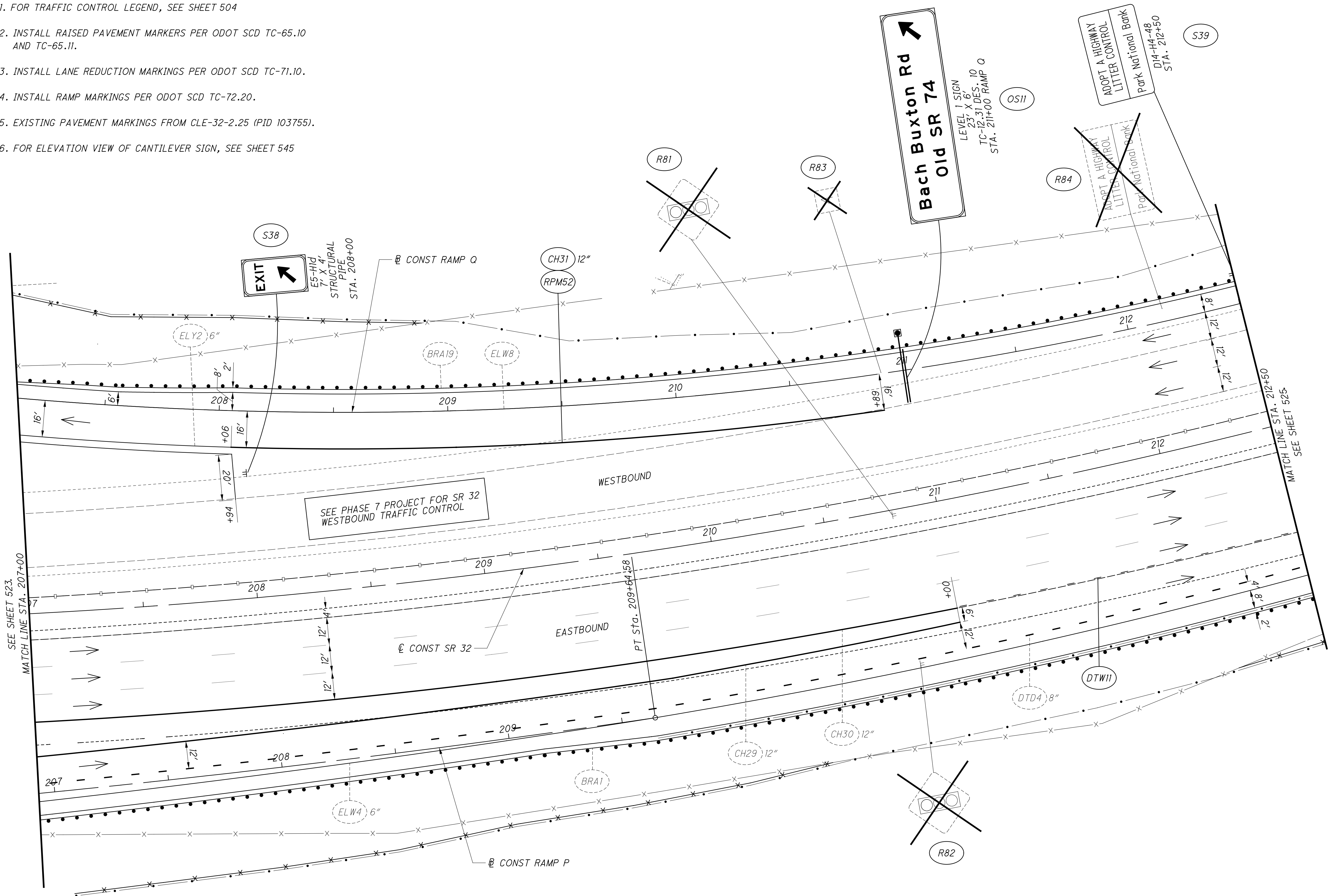
HORIZONTAL SCALE IN FEET

TRAFFIC CONTROL PLAN - SR 32
STA. 201+50 TO STA. 207+00

CLE-32-3.50
(PHASE 5)

NOTES:

1. FOR TRAFFIC CONTROL LEGEND, SEE SHEET 504
2. INSTALL RAISED PAVEMENT MARKERS PER ODOT SCD TC-65.10 AND TC-65.11.
3. INSTALL LANE REDUCTION MARKINGS PER ODOT SCD TC-71.10.
4. INSTALL RAMP MARKINGS PER ODOT SCD TC-72.20.
5. EXISTING PAVEMENT MARKINGS FROM CLE-32-2.25 (PID 103755).
6. FOR ELEVATION VIEW OF CANTILEVER SIGN, SEE SHEET 545



...310.20\310.205\103954TP525.dgn 11/18/2021 4:23:01 PM ssopraseuth

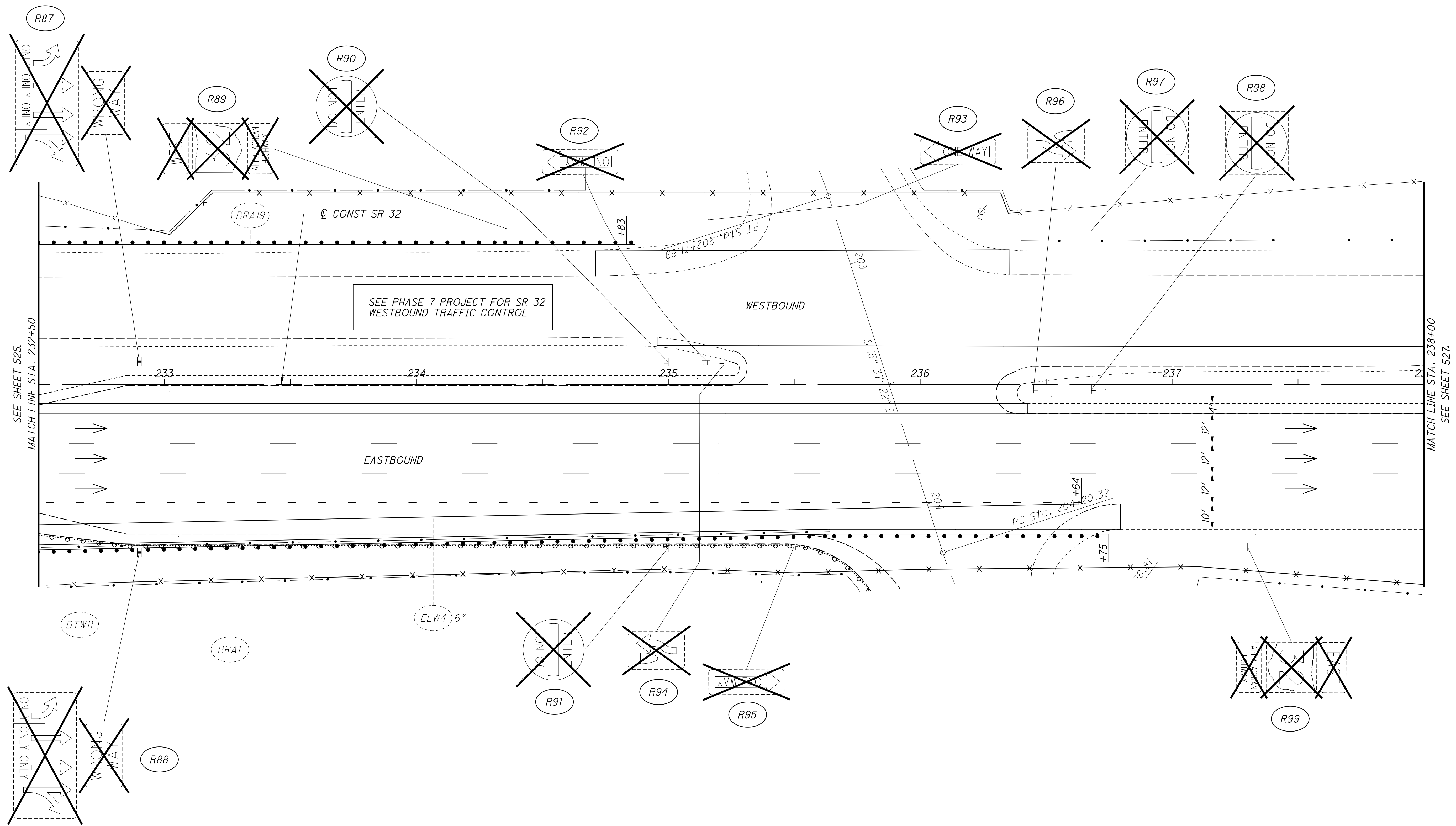
CALCULATED ACW
CHECKED WAA

0 20 40
HORIZONTAL SCALE IN FEET

TRAFFIC CONTROL PLAN - SR 32
STA. 207+00 TO STA. 212+50

CLE-32-3.50
(PHASE 5)

...310.20\310.205\103954TP527.dgn 11/18/2021 4:23:21 PM ssopraseuth



SEE PHASE 7 PROJECT FOR SR 32 WESTBOUND TRAFFIC CONTROL

- NOTES:
1. FOR TRAFFIC CONTROL LEGEND, SEE SHEET 504
 2. INSTALL RAISED PAVEMENT MARKERS PER ODOT SCD TC-65.10 AND TC-65.11.
 3. FOR TRAFFIC CONTROL ALONG OLD SR 74 NORTH OF SR 32, SEE SHEET 538
 4. FOR TRAFFIC CONTROL ALONG OLD SR 74 SOUTH OF SR 32, SEE SHEET 539

CALCULATED ACW
CHECKED WAA

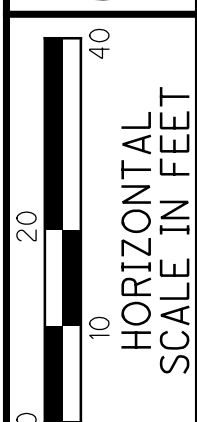
0 20 40
HORIZONTAL SCALE IN FEET

TRAFFIC CONTROL PLAN - SR 32
STA. 232+50 TO STA. 238+00

CLE-32-3.50
(PHASE 5)

NOTES:

1. FOR TRAFFIC CONTROL LEGEND, SEE SHEET 504

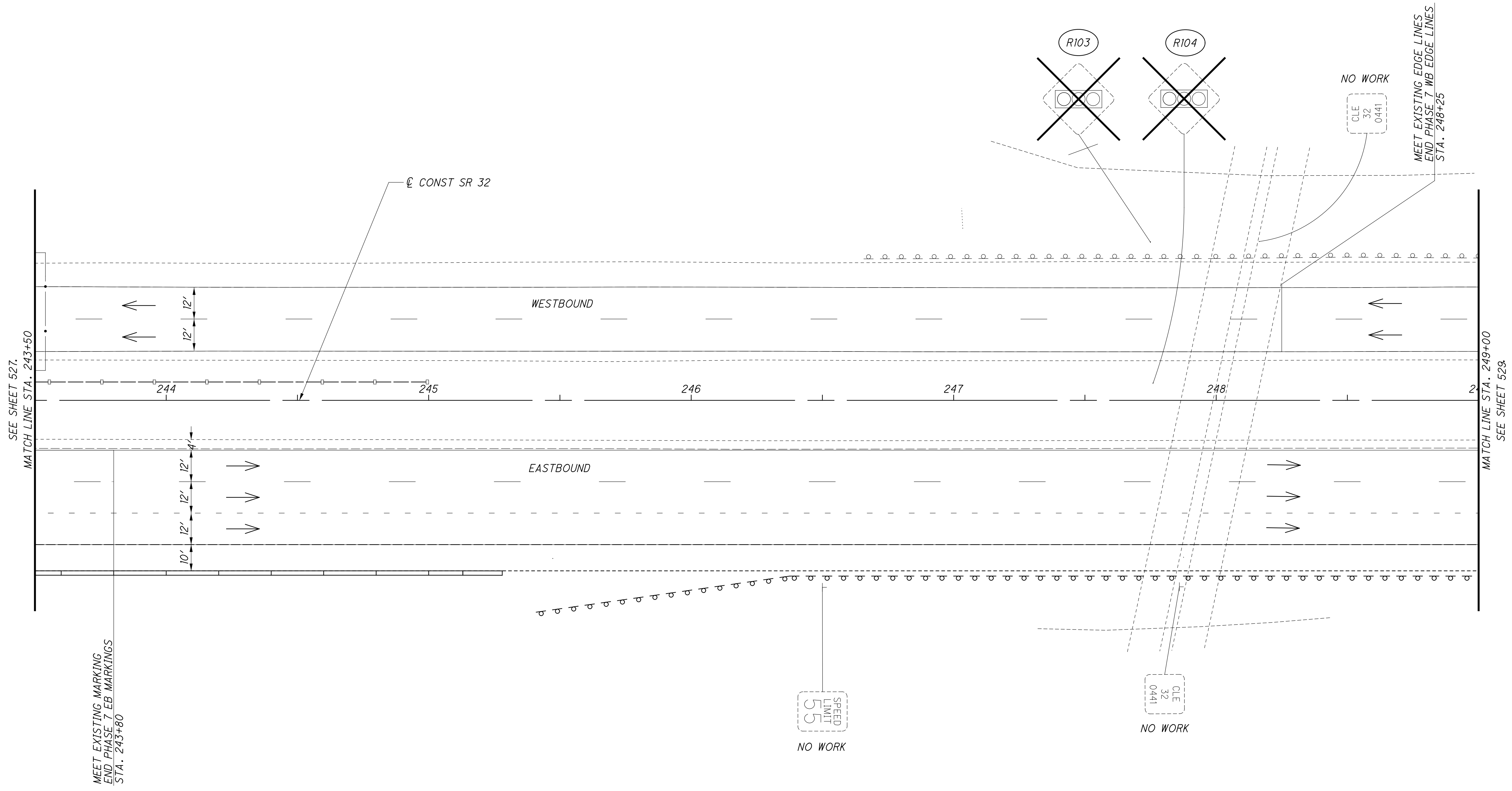


CALCULATED
ACW
CHECKED
WAA

TRAFFIC CONTROL PLAN - SR 32
STA. 243+50 TO STA. 249+00

CLE-32-3.50
(PHASE 5)

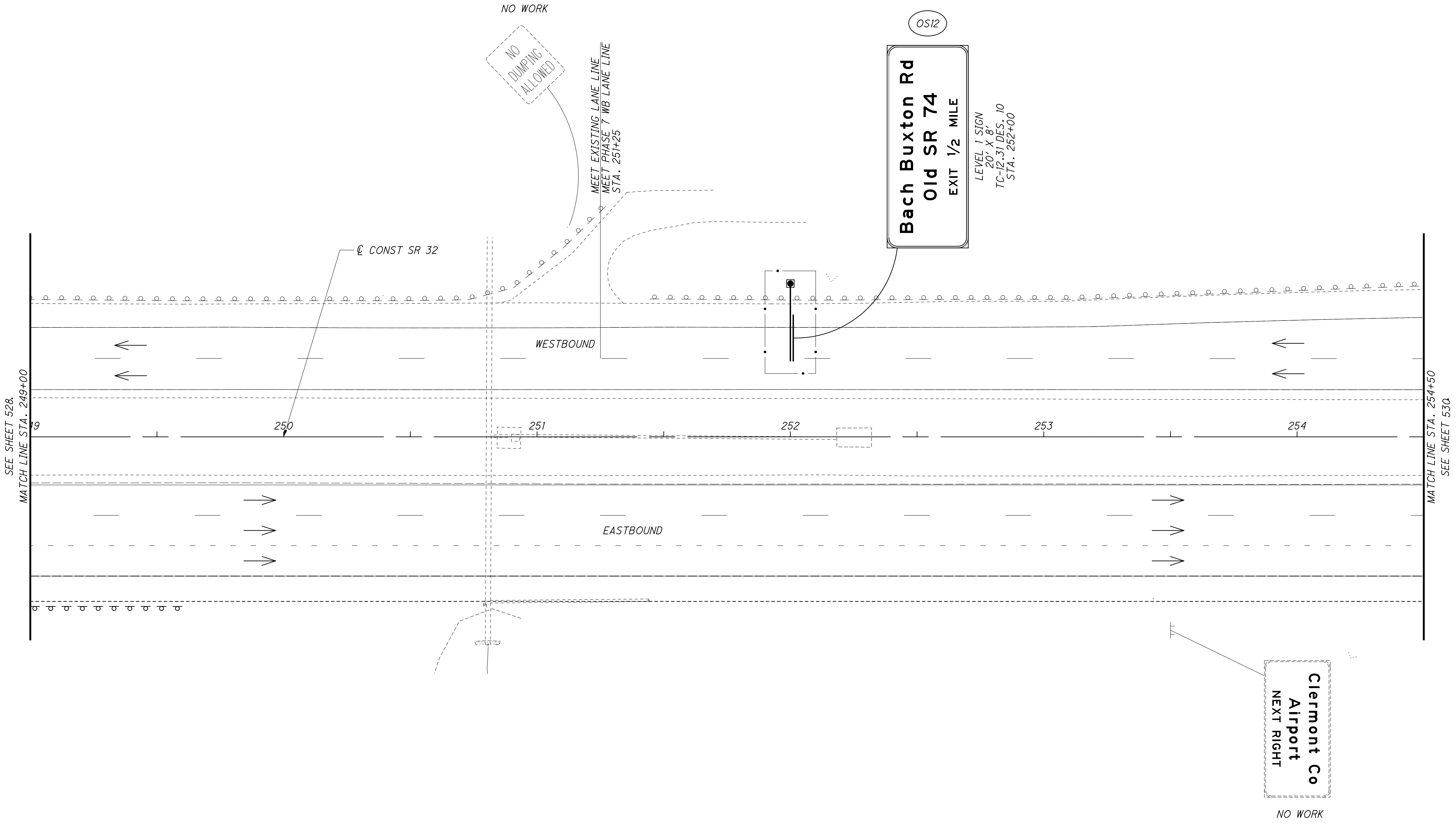
528
736



NOTES:

1. FOR TRAFFIC CONTROL LEGEND, SEE SHEET 504

2. FOR SIGN ELEVATION VIEW, SEE SHEET 548



CALCULATED
ACW
CHECKED
WAA

0 20 40
HORIZONTAL
SCALE IN FEET

TRAFFIC CONTROL PLAN - SR 32
STA. 249+00 TO STA. 254+50

CLE-32-3.50
(PHASE 5)

ITEM 632, REMOVAL OF TRAFFIC SIGNAL INSTALLATION FOR STORAGE, AS PER PLAN

TRAFFIC SIGNAL INSTALLATIONS, INCLUDING VEHICULAR SIGNAL HEADS, CABLE, MESSENGER WIRE, STRAIN POLES, CABINET, CONTROLLER, CONDUIT, PULL BOXES, ETC., SHALL BE REMOVED IN ACCORDANCE WITH CMS 632.26 AND AS INDICATED ON THE PLANS. REMOVED ITEMS SHALL BE REUSED AS PART OF A NEW INSTALLATION ON THE PROJECT OR STORED ON THE PROJECT FOR SALVAGE BY ODOT DISTRICT 8 IN ACCORDANCE WITH THE LISTING GIVEN HEREIN.

FOR ODOT MAINTAINED TRAFFIC SIGNALS, STORE 2070 CONTROLLER UNITS AND CABINETS, UPS UNITS, INTERCONNECTION/COMMUNICATION EQUIPMENT, EMERGENCY VEHICLE PREEMPTION, GPS AND VEHICLE DETECTION EQUIPMENT ON THE PROJECT FOR SALVAGE BY ODOT. STORE WITH CARE ANY ITEMS TO BE RE-USED ON THE PROJECT UNDER SEPERATE PAY ITEMS AS DIRECTED BY THE ENGINEER. ANY STORED ITEMS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT NO ADDITIONAL COST TO THE PROJECT.

ANY ITEMS NOT SALVAGED BY ODOT OR REUSED IN THE PROJECT SHALL BE DISPOSED OF BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT. PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE BID PER EACH OF ITEM 632, REMOVAL OF TRAFFIC SIGNAL INSTALLATION FOR STORAGE, AS PER PLAN.

ITEM 633, CONTROLLER UNIT, TYPE 2070E WITH 2070-IC CPU AND ASC/3 SOFTWARE, AS PER PLAN

THE CONTROLLER UNIT SHALL BE EQUIPMENT MANUFACTURED IN CONFORMANCE TO THE CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) SPECIFICATIONS TITLES "TRANSPORTATION ELECTRICAL EQUIPMENT SPECIFICATIONS (TEES)." THE CONTROLLER UNIT AND SOFTWARE VERSIONS SHALL BE COMPLIANT WITH THE TRAFFIC AUTHORIZED PRODUCTS (TAP) LIST.

THE CONTROLLER UNIT SHALL INCLUDE THE FOLLOWING:

1. UNIT CHASSIS
2. 2070-1C CPU MODULE (LINUX)
3. 2070-2E FIELD I/O MODULE
4. 2070-3B FRONT PANEL
5. 2070-4A POWER SUPPLY
6. 2070-7A SERIAL COMMUNICATION MODULE

THE CONTROLLER SHALL INCLUDE A TYPE 332 CABINET. THE CONTRACTOR SHALL NOT REASSIGN THE CABINET DETECTOR INPUTS IN ORDER TO REDUCE THE NUMBER OF 2-CHANNEL DETECTOR UNITS SUPPLIED, BUT SHALL USE THE STANDARD CALTRANS INPUT FILE DESIGNATIONS.

ITEM 633, CONTROLLER ITEM, MISC.: CDMA MODEM, FURNISH ONLY

FURNISH A CDMA MODEM, ANTENNA, CABLES, AND ETHERNET CABLE FOR REMOTE WIRELESS CELLULAR COMMUNICATION. FOR NETWORK CONSISTENCY CDMA MODEMS SHALL BE SIERRA WIRELESS (RAVEN X) OR GETWIRELESS (AIRLINK GX400).

THE CDMA MODEM EQUIPMENT SHALL BE DELIVERED TO THE ODOT ITS LAB FOR PROGRAMMING AND INSTALLATION.

ODOT ITS LAB
ATTN: PAUL LUNDSTROM
1605 W. BROAD STREET
COLUMBUS, OH 43223

THE CONTRACTOR SHALL PROVIDE THE MODEM SERIAL NUMBERS AND NECESSARY ESN NUMBERS FOR ODOT TO ESTABLISH WIRELESS SERVICE.

THE DEPARTMENT WILL MEASURE "CONTROLLER ITEM, MISC.: CDMA MODEM, FURNISH ONLY" BY THE NUMBER OF COMPLETE UNITS FURNISHED AND RECEIVED BY THE ODOT ITS LAB.

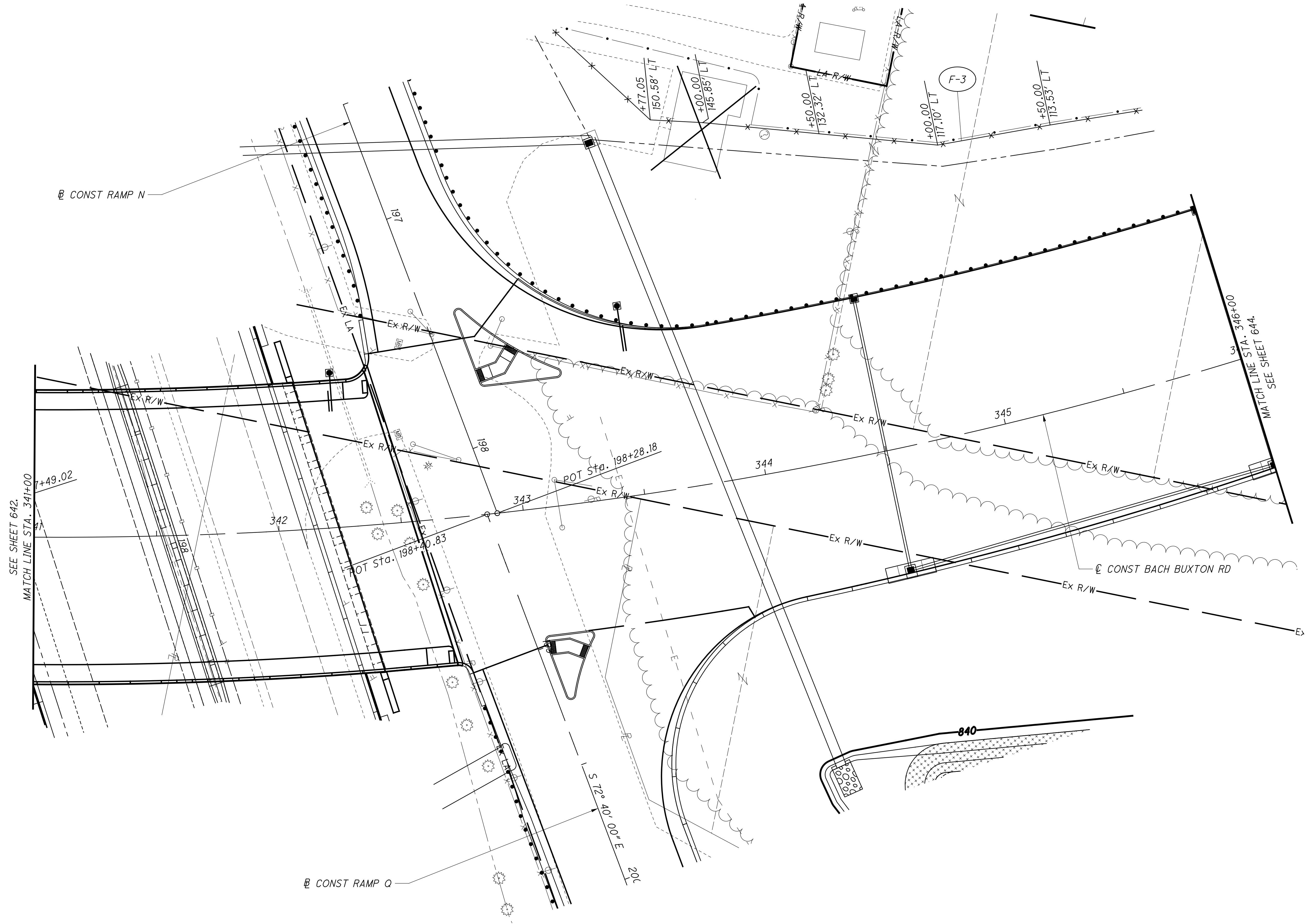
ITEM 633, UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN

IN ADDITION TO ITEM 633.18 AND 733.09, THE SEPARATE VENTILATED ENCLOSURE SHALL BE FOUNDATION MOUNTED NEXT TO THE PROPOSED CONTROLLER CABINET. THE CABINET SHALL BE BRUSHED ALUMINUM. PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE BID PER EACH OF ITEM 633, UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN IN PLACE INCLUDING ALL CONNECTIONS, TESTED AND ACCEPTED.

ITEM 633, CONTROLLER WORK PAD, AS PER PLAN

CONTROLLER WORK PAD SHALL BE SIZED TO ACCOMMODATE THE UPS CABINET ON THE SAME WORK PAD. CHANGES TO THE DIMENSIONS OF THE UPS CABINET AND TO THE WORK PAD SHALL REQUIRE THE APPROVAL OF ODOT.

THE TOP OF WORK PADS INSTALLED ADJACENT TO PEDESTRIAN PATHWAYS SHALL BE FLUSH WITH THE PATHWAY. PAYMENT FOR ITEM 633, CONTROLLER WORK PAD, AS PER PLAN, WILL BE AT THE CONTRACT UNIT PRICE AND WILL BE FULL COMPENSATION FOR ALL LABOR, MATERIAL, TOOLS, EQUIPMENT AND OTHER INCIDENTALS NECESSARY FOR EACH WORK PAD IN PLACE, COMPLETE AND ACCEPTED.



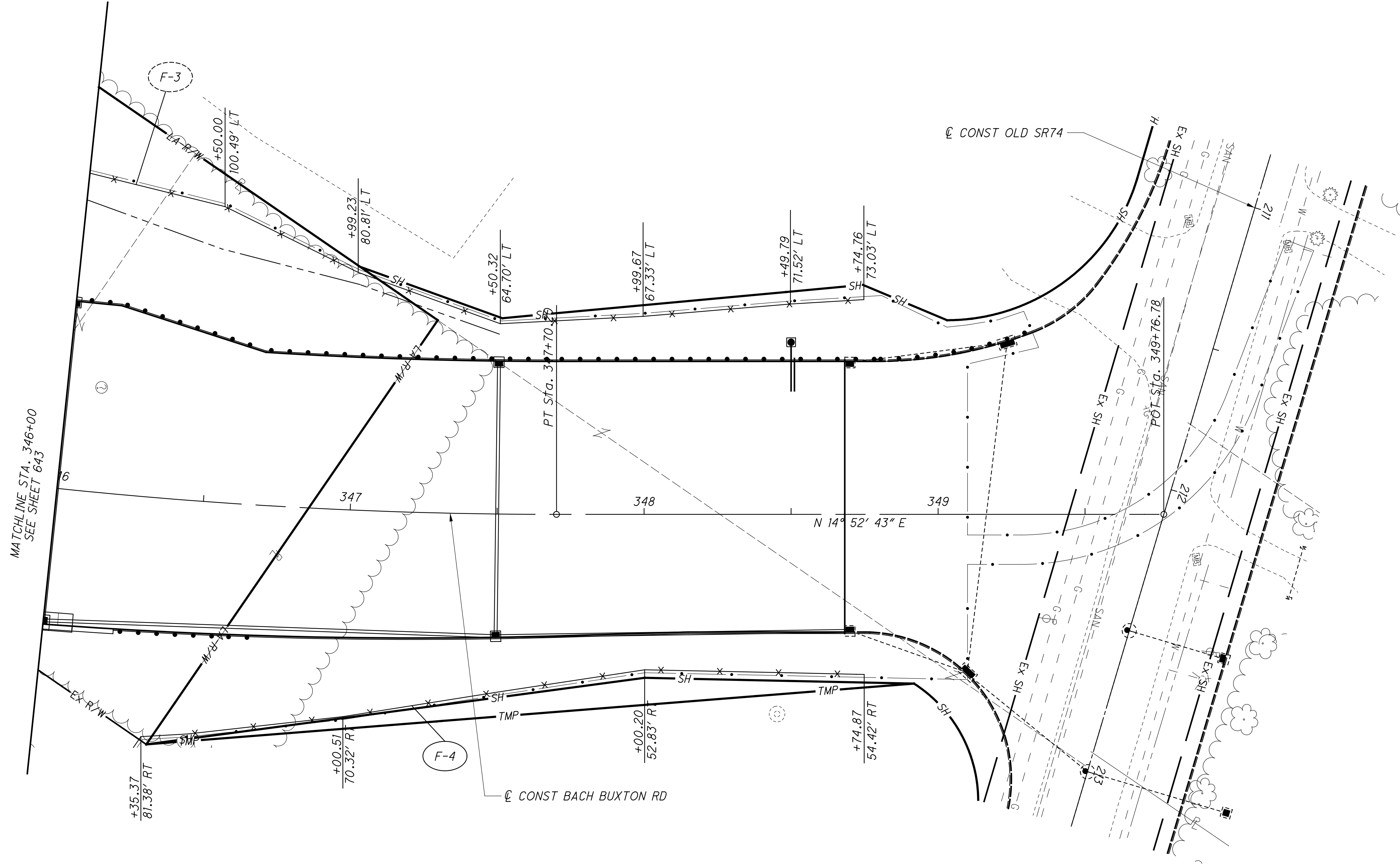
CALCULATED
MSW
CHECKED
WAA

0 20 40
HORIZONTAL
SCALE IN FEET

FENCE PLAN
BACH BUXTON RD STA. 341+00 TO STA. 346+00

CLE-32-3.50
(PHASE 5)

643
736



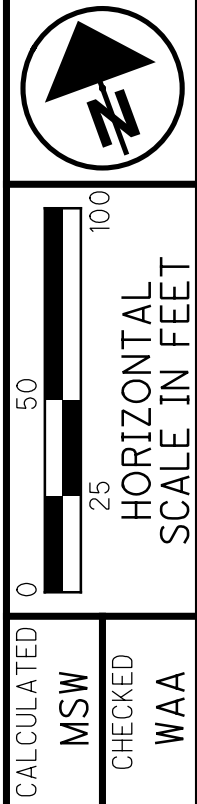
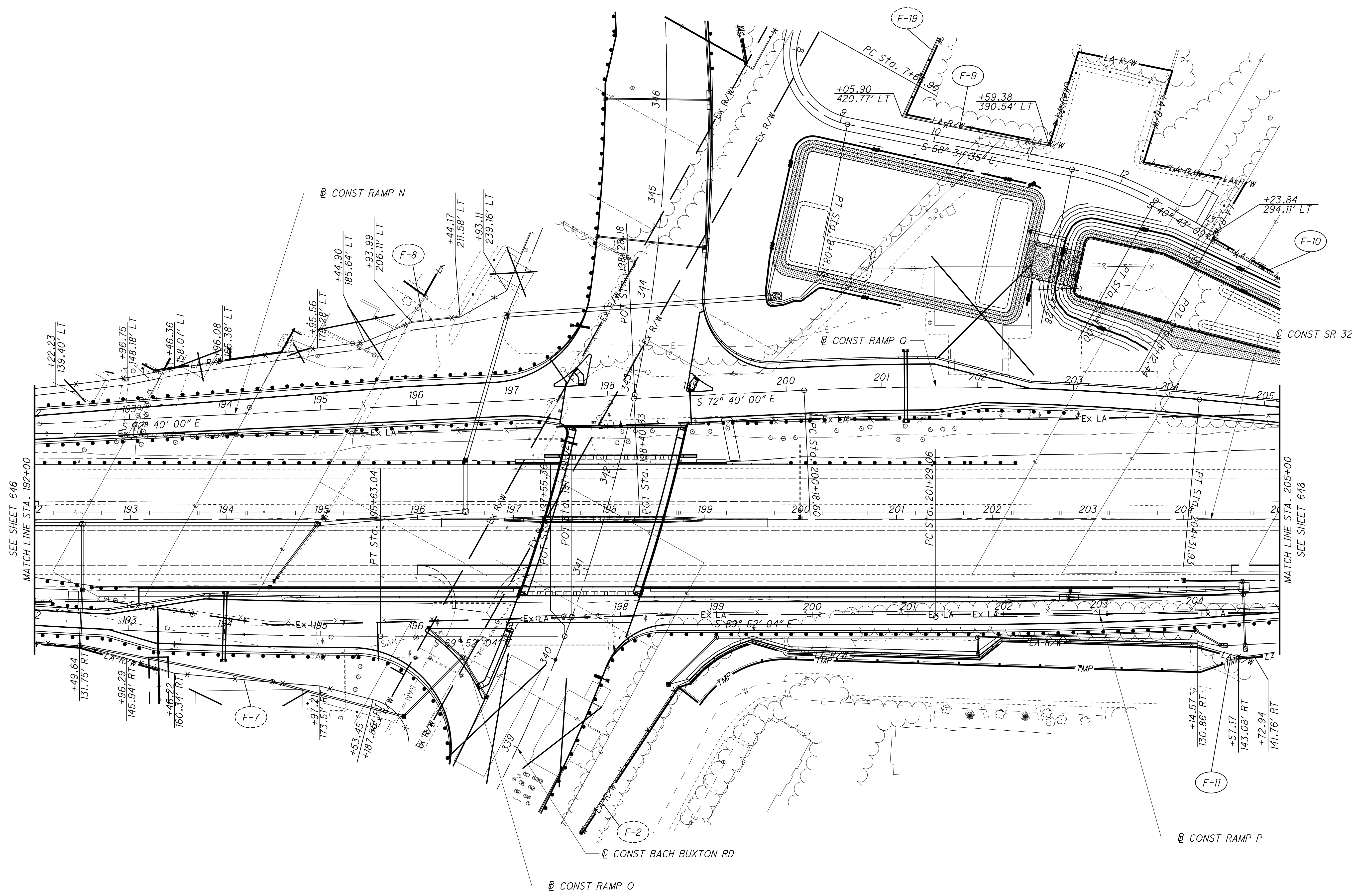
CALCULATED MSW
 CHECKED WAA

0 20 40
 HORIZONTAL SCALE IN FEET

FENCE PLAN
BACH BUXTON RD STA. 346+00 TO STA. 346+00

CLE-32-3.50
(PHASE 5)

644
 736



CALCULATED	MSW	CHECKED	WAA
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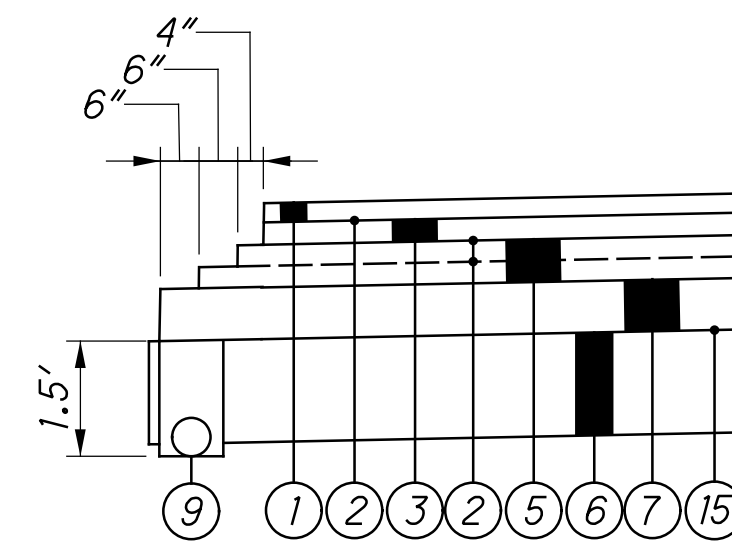
**FENCE PLAN - SR 32
STA. 192+00 TO STA. 205+00**

**CLE-32-3.50
(PHASE 5)**

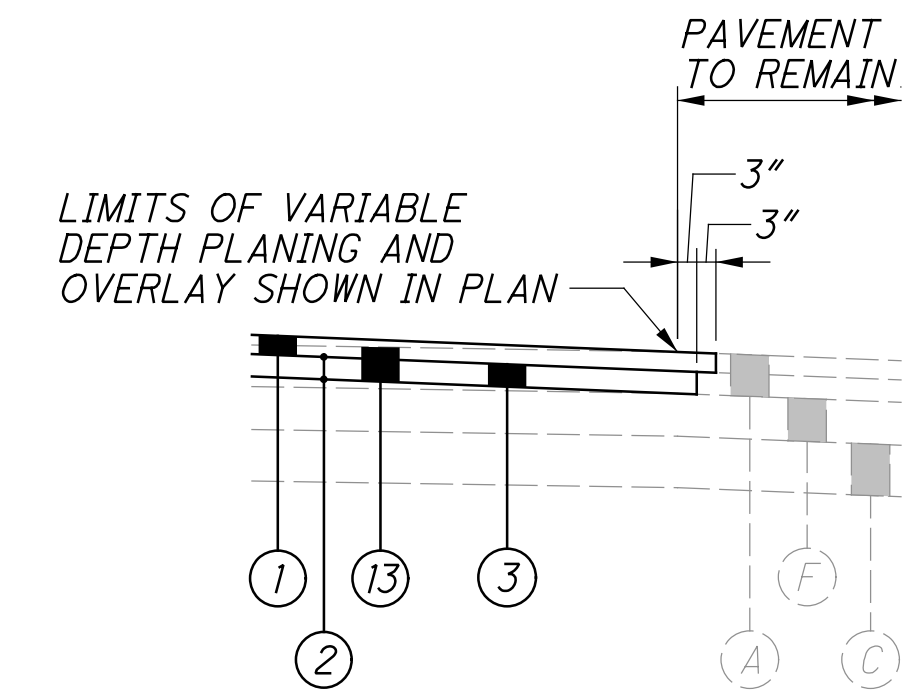
LEGEND

- ① ITEM 442 - 1½" ASPHALT CONCRETE (SC), 12.5MM, TYPE A (446)
- ② ITEM 407 - NON-TRACKING TACK COAT
- ③ ITEM 442 - 1¾" ASPHALT CONCRETE (IC), 19MM, TYPE A (446)
- ④ ITEM 659 - SEEDING AND MULCHING
- ⑤ ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22
- ⑥ ITEM 206 - LIME STABILIZED SUBGRADE, 14" DEEP
- ⑦ ITEM 304 - 8" AGGREGATE BASE
- ⑧ ITEM 606 - GUARDRAIL, TYPE MGS
- ⑨ ITEM 605 - 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC
- ⑩ ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC (EX PIPE PLACED IN PREVIOUS PHASES TO REMAIN IN SOME PLACES, SEE UD PLAN VIEW FOR LOCATIONS)
- ⑪ ITEM 442 - ASPHALT CONCRETE (IC), 19MM, TYPE A (446) (DEPTH AS SHOWN)
- ⑫ ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C1
- ⑬ ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH AS SHOWN)
- ⑭ ITEM 204 - EMBANKMENT
- ⑮ ITEM 204 - PROOF ROLLING
- ⑯ ITEM 302 - 4" ASPHALT CONCRETE BASE, PG64-22
- ⑰ ITEM 206 - CURING COAT

- (A) 3.25" ASPHALT CONCRETE
- (B) 9" REINFORCED CONCRETE
- (C) 6" AGGREGATE BASE
- (D) CONCRETE BARRIER
- (E) EX UNDERDRAIN TO REMAIN (SEE UNDERDRAIN PLAN FOR DETAILS)
- (F) 10" ASPHALT CONCRETE BASE



**ASPHALT PAVEMENT
EDGE STEP DETAIL**



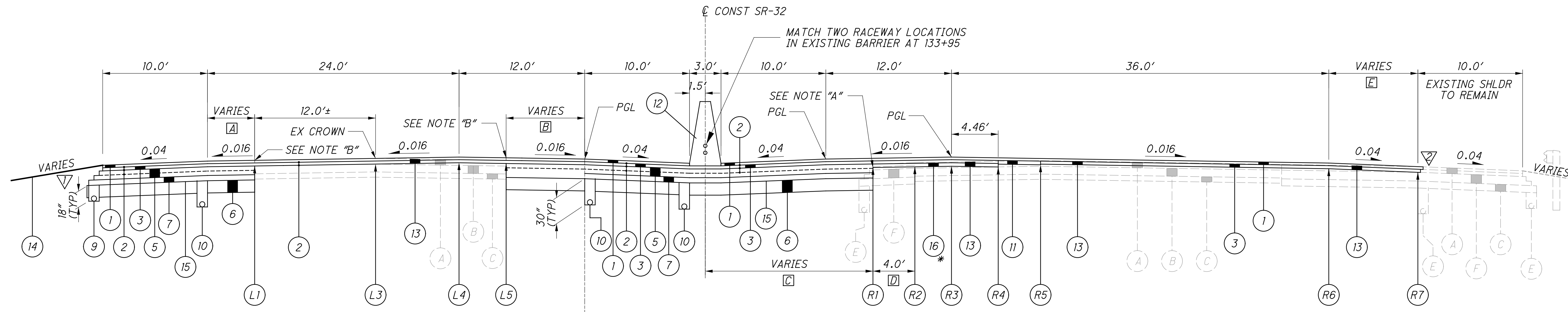
**ASPHALT OVERLAY
LONGITUDINAL JOINT DETAIL**

NOTE "A"

THE EXISTING PAVEMENT EDGES SHALL BE SAW CUT TO LOCATE A SOUND PAVEMENT EDGE PER SEC. 203.04(E) OF THE CMS. FOR ESTIMATING PURPOSES, PAVEMENT CALCULATIONS INCLUDED IN THE PLAN INDICATE THE SAW CUT LOCATION AS SHOWN WHICH IS BASED ON MATERIAL LIFT THICKNESS AND PROPOSED CROSS SLOPE REQUIREMENTS.

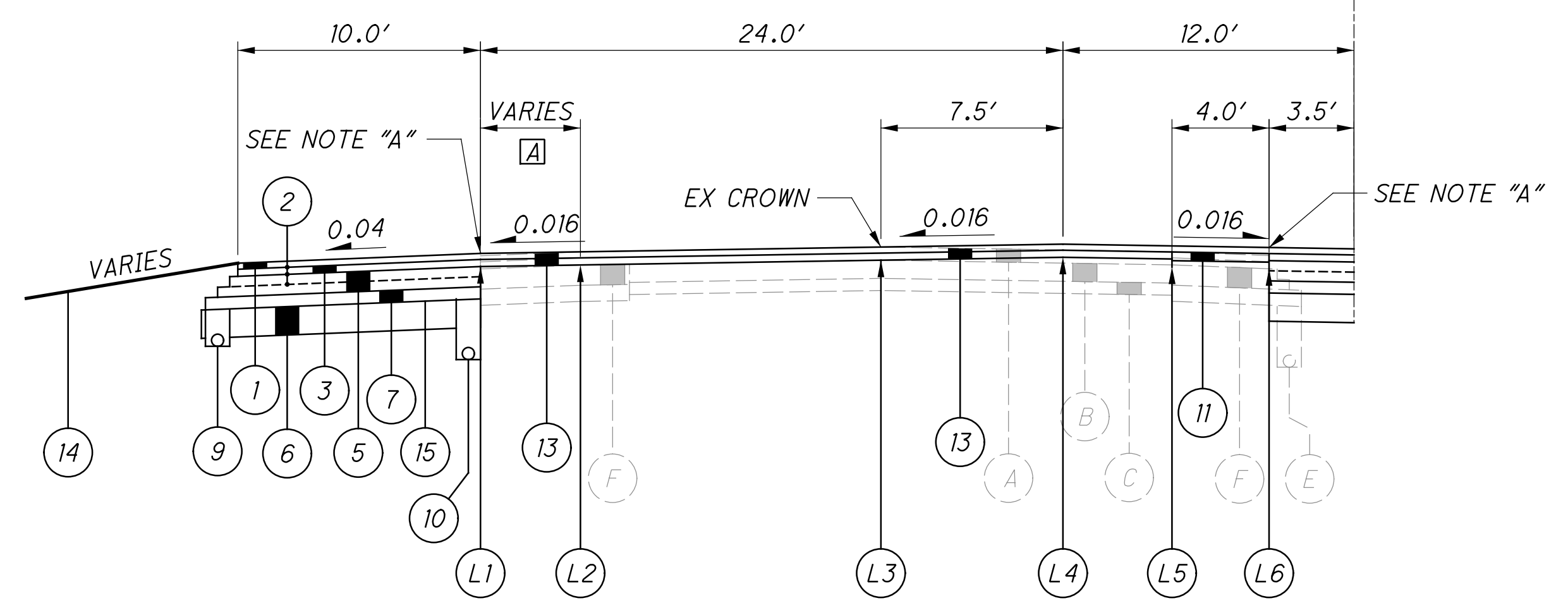
NOTE "B"

THE EXISTING PAVEMENT EDGES SHALL BE SAW CUT TO LOCATE A SOUND PAVEMENT EDGE PER SEC. 203.04(E) OF THE CMS. FOR ESTIMATING PURPOSES, PAVEMENT CALCULATIONS INCLUDED IN THE PLAN INDICATE THE SAW CUT LOCATION ALONG THE EXISTING EDGE OF PAVEMENT LINE OR SHOULDER BREAK POINT AND AVOID ANY UNNECESSARY REMOVAL OF EXISTING REINFORCED CONCRETE PAVEMENT IN THE TRAVEL LANES.



SR-32 NORMAL SECTION
STA. 133+95.00 TO STA. 143+50.93

* SEE DEPTH CHART FOR LOCATIONS & DIMENSIONS



OUTSIDE EDGE APPLIES:
STA. 142+03.69 TO STA. 143+50.93

INSIDE EDGE APPLIES:
STA. 142+38.41 TO STA. 143+50.93

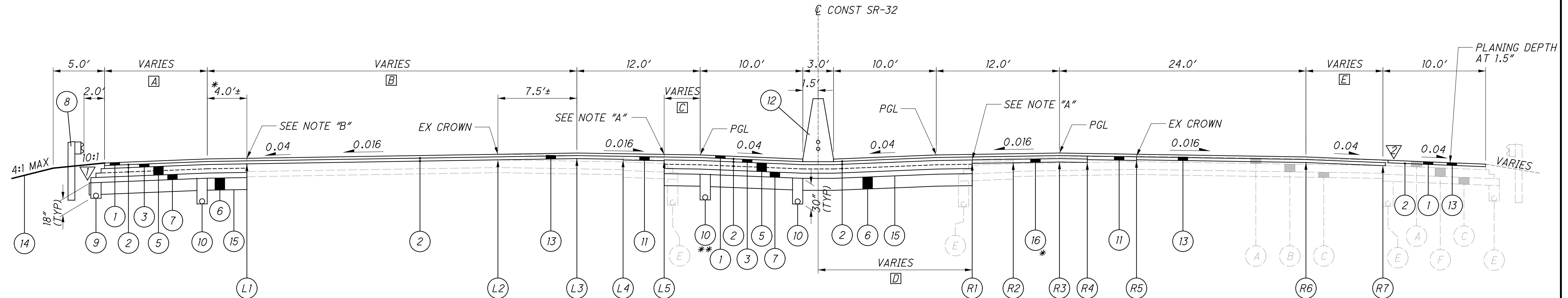
PAVEMENT PLANING & OVERLAY MATERIAL ESTIMATED DEPTH CHART

POINT	STATION	OFFSET (FT)	PLANING DEPTH		NEW LAYER THICKNESS		POINT	STATION	OFFSET (FT)	PLANING DEPTH		NEW LAYER THICKNESS	
			LEFT (IN)	RIGHT (IN)	ITEM 442 (IN)	ITEM 302 (IN)				LEFT (IN)	RIGHT (IN)	ITEM 442 (IN)	ITEM 302 (IN)
L1	133+95.00	-47.17	FULL	3.25	1.75	0.00	R1	133+95.00	1.50	FULL	3.25	1.75	0.00
	134+50.54	-46.53	FULL	2.88	1.75	0.00		135+50.00	9.61	FULL	1.21	1.75	0.00
	136+15.43	-44.00	FULL	3.25	1.75	0.00		136+75.00	11.66	FULL	0.05	2.50	0.00
	137+00.00	-43.38	FULL	3.25	1.75	0.00		137+85.00	13.46	FULL	2.10	1.75	4.00
	142+03.69	-47.50	FULL	2.06	1.75	0.00		139+40.03	16.00	FULL	0.39	1.75	4.00
	143+50.93	-47.50	FULL	2.06	1.75	0.00		143+50.93	16.00	FULL	0.39	1.75	4.00
L2	142+03.69	-43.36	7.25	3.25	1.75	0.00	R2	135+50.00	11.50	FULL	1.21	1.75	0.00
	143+50.93	-43.36	7.25	3.25	1.75	0.00		137+85.00	17.46	3.25	3.25	1.75	4.00
	133+95.00	-23.17	3.25	3.25	1.75	0.00		139+40.03	20.00	1.54	1.54	1.75	4.00
L3	136+15.43	-31.78	3.25	3.25	1.75	0.00	R3	143+50.93	20.00	1.54	1.54	1.75	4.00
	137+00.00	-31.52	3.25	3.25	1.75	0.00		135+50.00	13.62	1.83	1.83	1.75	0.00
	142+38.41	-31.00	3.25	3.25	1.75	0.00		136+75.00	15.66	1.20	0.45	1.75	0.00
	143+50.93	-31.00	3.25	3.25	1.75	0.00		137+85.00	23.50	3.25	0.10	2.50	0.00
L4	134+50.54	-23.50	2.88	2.88	1.75	0.00	R4	139+40.03	23.50	1.54	1.54	2.50	0.00
	136+15.43	-23.50	0.07	0.07	1.75	0.00		143+50.93	23.50	1.54	1.54	2.50	0.00
	137+00.00	-23.50	0.17	0.17	1.75	0.00		135+50.00	23.50	1.83	1.83	1.75	0.00
	142+38.41	-23.50	0.37	0.37	1.75	0.00		136+75.00	23.50	0.45	0.45	1.75	0.00
L5	143+50.93	-23.50	0.37	0.37	1.75	0.00	R5	137+85.00	25.47	0.86	0.00	1.75	0.00
	133+95.00	-11.17	3.25	3.25	1.75	0.00		139+40.03	27.96	3.25	0.00	1.75	0.00
	134+50.54	-22.53	3.25	FULL	1.75	0.00		143+50.93	27.96	3.25	0.00	1.75	0.00
	136+15.43	-20.00	0.07	0.07	1.75	0.00		135+50.00	25.62	2.64	2.64	1.75	0.00
	137+00.00	-19.52	0.17	0.17	1.75	0.00		136+75.00	27.66	2.05	2.05	1.75	0.00
L6	142+38.41	-19.00	0.37	4.37	2.53	0.00	R6	137+85.00	29.46	1.53	1.53	1.75	0.00
	143+50.93	-19.00	0.37	4.37	2.53	0.00		139+40.03	32.00	1.55	0.80	1.75	0.00
	142+38.41	-15.00	3.22	FULL	2.53	0.00		143+50.93	32.00	1.55	0.80	1.75	0.00
L6	143+50.93	-15.00	3.22	FULL	2.53	0.00	R7	133+95.00	59.17	3.25	0.00	1.75	0.00
	133+95.00	-47.17	FULL	3.25	1.75	0.00		135+50.00	61.62	3.25	0.00	1.75	0.00
	134+50.54	-46.53	FULL	2.88	1.75	0.00		136+75.00	63.66	3.25	0.00	1.75	0.00
	136+15.43	-44.00	FULL	3.25	1.75	0.00		137+85.00	65.46	3.25	0.00	1.75	0.00
	137+00.00	-43.38	FULL	3.25	1.75	0.00		139+40.03	68.00	3.25	0.00	1.75	0.00
	142+03.69	-47.50	FULL	2.06	1.75	0.00	143+50.93	68.00	3.25	0.00	1.75	0.00	

▽ FOR PAVEMENT EDGE DETAILS, SEE SHEET 4

FOR PROPOSED LEGEND AND NOTES, SEE SHEET 4

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SR-32 NORMAL SECTION
 STA. 143+50.93 TO STA. 158+00.00

* SEE DEPTH CHART FOR LOCATIONS AND DIMENSIONS
 ** SEE UNDERDRAIN PLAN FOR LOCATIONS

- A** VARIES ±6.12' TO 4.0'
 STA. 144+09.97 TO STA. 144+20.75
 4.0'
 STA. 144+20.75 TO STA. 147+00.00
 VARIES 4.0' TO 10.0'
 STA. 147+00.00 TO STA. 148+00.00
 10.0'
 STA. 148+00.00 TO STA. 158+00.00
- B** 36.0'
 STA. 143+50.93 TO STA. 147+00.00
 VARIES 36.0' TO 24.0'
 STA. 147+00.00 TO STA. 148+00.00
 24.0'
 STA. 148+00.00 TO STA. 158+00.00
- C** 4.5'
 STA. 143+50.93 TO STA. 145+00.00
 VARIES 4.5' TO 3.5'
 STA. 145+00.00 TO STA. 146+00.00
 3.5'
 STA. 146+00.00 TO STA. 150+21.50
 7.5'
 STA. 150+21.50 TO STA. 152+75.00
- D** 16.0'
 STA. 143+50.93 TO STA. 145+00.00
 VARIES 16.0' TO 15.0'
 STA. 145+00.00 TO STA. 146+00.00
 15.0'
 STA. 146+00.00 TO STA. 150+21.50
 19.0'
 STA. 150+21.50 TO STA. 152+75.00
 VARIES 15.0' TO 7.5'
 STA. 152+75.00 TO STA. 158+00.00
- E** 8.5'
 STA. 143+50.93 TO STA. 145+00.00
 VARIES 8.5' TO 7.5'
 STA. 145+00.00 TO STA. 146+00.00
 7.5'
 STA. 146+00.00 TO STA. 152+75.00
 VARIES 7.5' TO 0.0'
 STA. 152+75.00 TO STA. 158+00.00

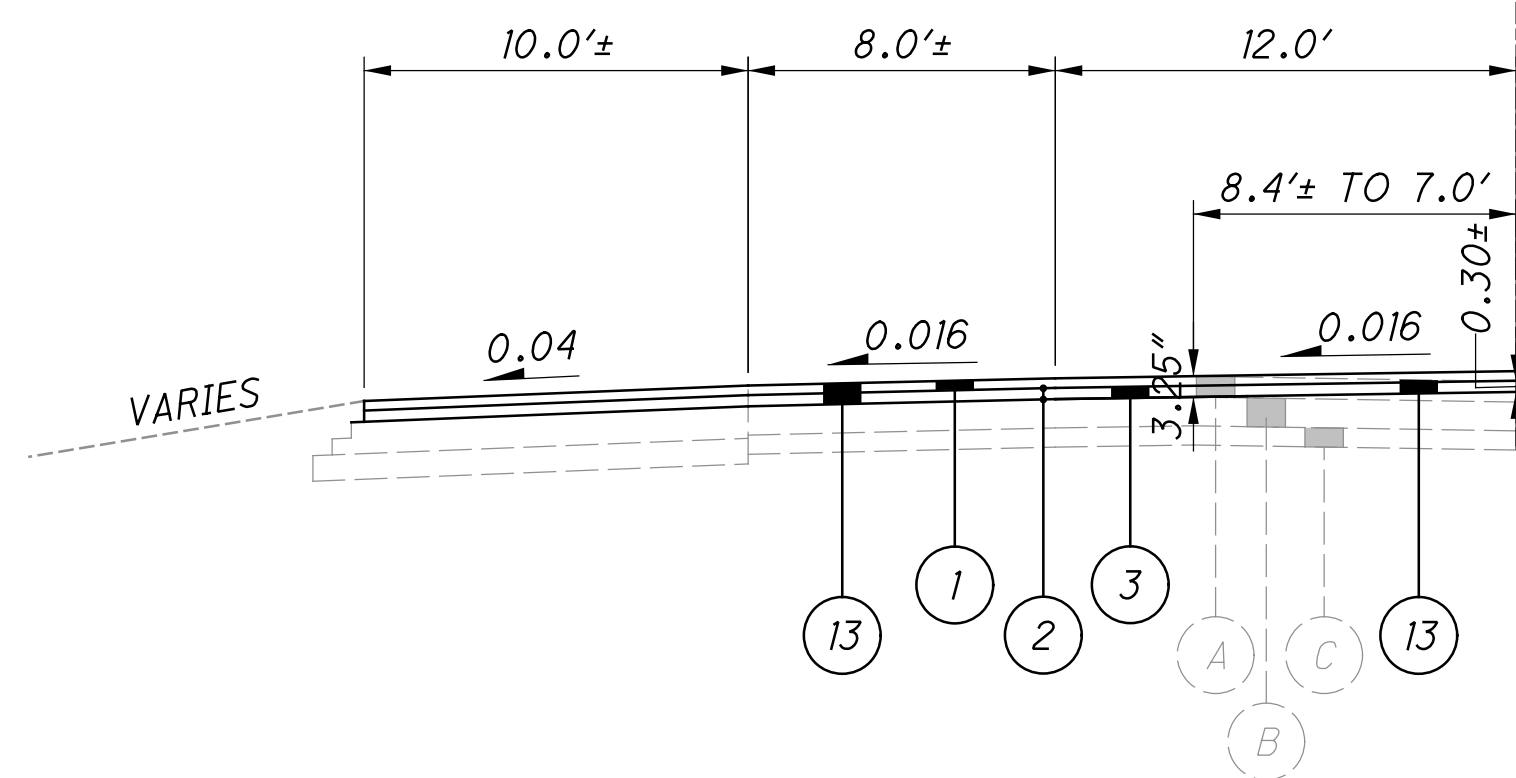
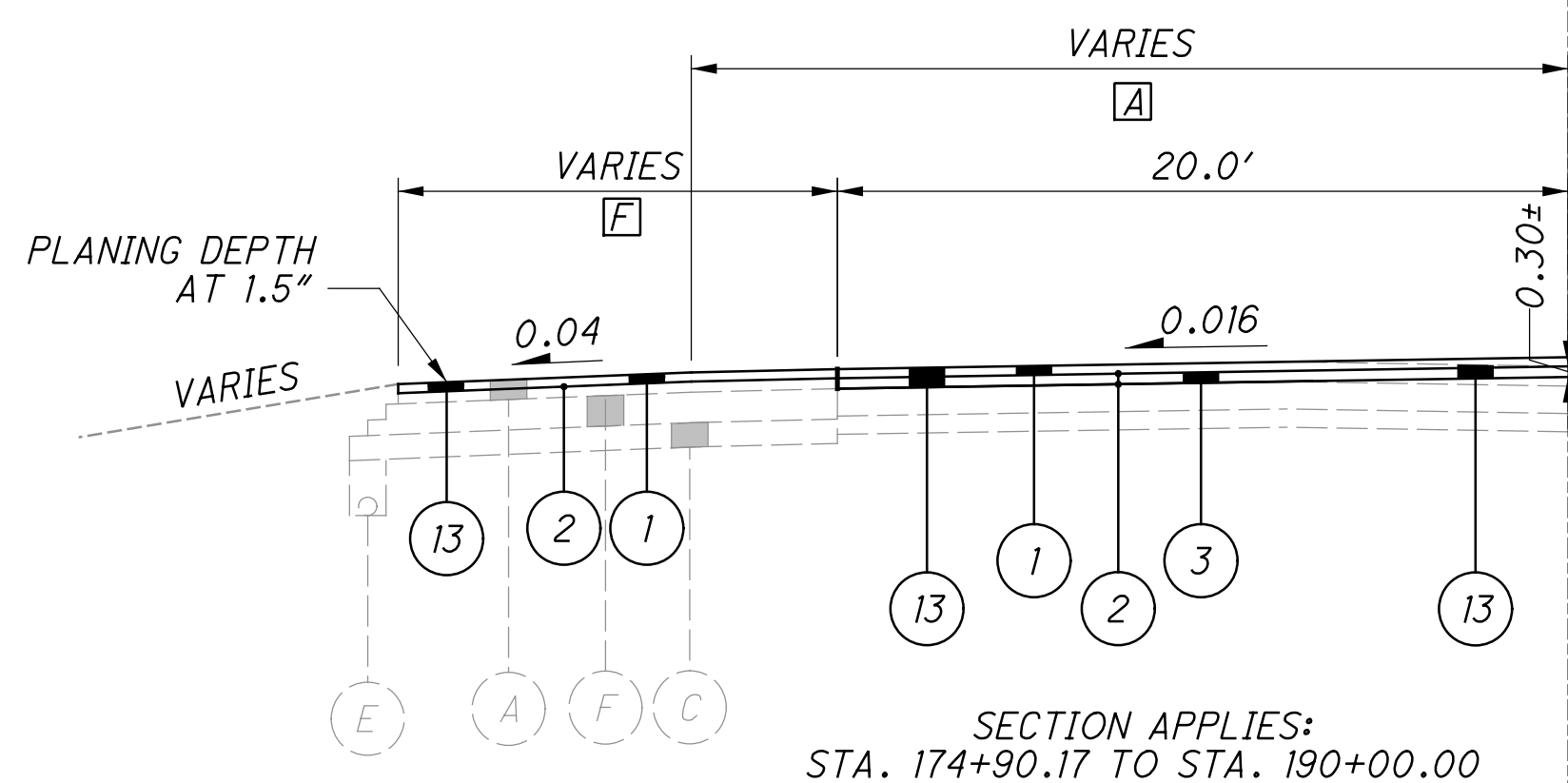
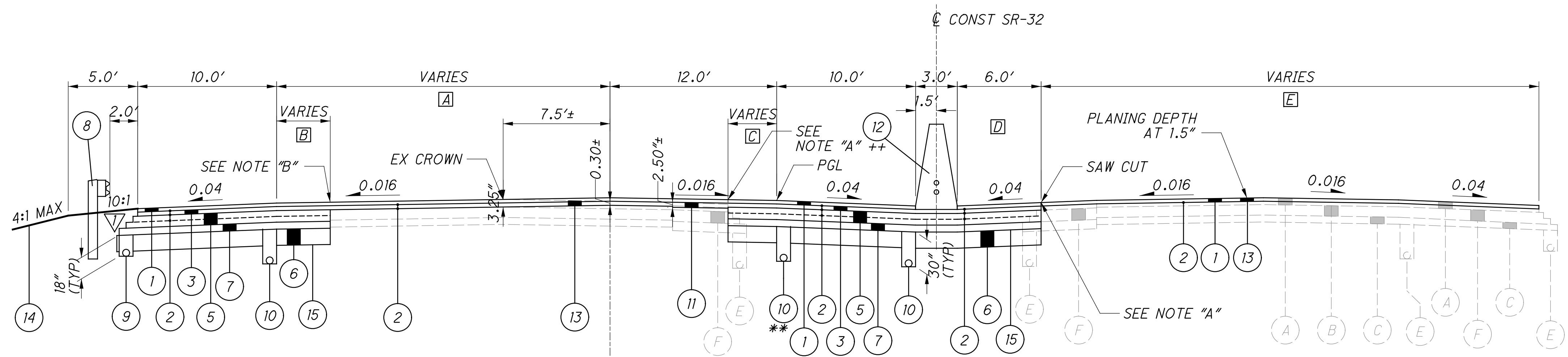
PAVEMENT PLANING & OVERLAY MATERIAL ESTIMATED DEPTH CHART

POINT	STATION	OFFSET (FT)	PLANING DEPTH		NEW LAYER THICKNESS		POINT	STATION	OFFSET (FT)	PLANING DEPTH		NEW LAYER THICKNESS	
			LEFT (IN)	RIGHT (IN)	ITEM 442 (IN)	ITEM 302 (IN)				LEFT (IN)	RIGHT (IN)	ITEM 442 (IN)	ITEM 302 (IN)
L1	143+50.93	-55.32	FULL	3.25	1.75	0.00	R1	143+50.93	16.00	FULL	0.38	1.75	4.00
	145+25.00	-55.69	FULL	3.25	1.75	0.00		145+00.00	16.00	FULL	0.38	1.75	4.00
	147+00.00	-55.07	FULL	3.25	1.75	0.00		146+00.00	15.00	FULL	1.06	1.75	4.00
	148+21.14	-43.18	FULL	3.25	1.75	0.00		155+35.59	10.88	FULL	0.00	1.75	0.00
	153+50.00	-43.40	FULL	3.25	1.75	0.00		158+00.00	7.50	FULL	3.25	1.75	0.00
L2	143+50.93	-31.00	3.25	3.25	1.75	0.00	R2	143+50.93	20.00	1.54	1.54	1.75	4.00
	145+25.00	-31.00	3.25	3.25	1.75	0.00		145+00.00	20.00	1.54	1.54	1.75	4.00
	147+00.00	-31.00	3.25	3.25	1.75	0.00		146+00.00	19.00	2.21	2.21	1.75	4.00
	148+21.14	-31.07	3.25	3.25	1.75	0.00		150+21.50	19.00	FULL	2.21	1.75	4.00
	153+50.00	-31.30	3.25	3.25	1.75	0.00		152+75.00	19.00	FULL	2.21	1.75	4.00
L3	143+50.93	-23.50	0.30	0.30	1.75	0.00	R3	143+50.93	23.50	1.54	1.54	1.75	4.00
	145+25.00	-23.50	0.30	0.30	1.75	0.00		145+00.00	23.50	1.54	1.54	1.75	4.00
	147+00.00	-23.50	0.30	0.30	1.75	0.00		146+00.00	23.50	2.21	2.21	1.75	4.00
	148+21.14	-23.50	0.30	0.30	1.75	0.00		150+21.50	23.50	FULL	2.21	1.75	4.00
	153+50.00	-23.50	0.25	0.25	1.75	0.00		152+75.00	23.50	FULL	2.21	1.75	4.00
L4	143+50.93	-19.00	0.30	1.15	2.60	0.00	R4	143+50.93	23.50	0.98	0.98	1.75	0.00
	145+25.00	-19.00	0.30	1.15	2.60	0.00		145+00.00	23.50	0.98	0.98	1.75	0.00
	147+00.00	-19.11	0.30	1.15	2.60	0.00		146+00.00	23.50	3.25	3.25	1.75	0.00
	148+21.14	-19.00	0.30	1.15	2.60	0.00		158+00.00	23.50	3.25	3.25	1.75	0.00
	153+50.00	-19.66	0.25	FULL	1.75	0.00		143+50.93	27.96	3.25	0.00	2.50	0.00
L5	143+50.93	-15.00	0.00	FULL	2.60	0.00	R5	143+50.93	27.96	3.25	0.00	2.50	0.00
	145+25.00	-15.00	0.00	FULL	2.60	0.00		145+00.00	27.96	3.25	0.00	2.50	0.00
	147+00.00	-15.00	0.00	FULL	2.60	0.00		146+00.00	26.21	3.25	0.00	2.50	0.00
	148+21.14	-15.00	0.00	FULL	2.60	0.00		150+21.50	26.21	3.25	0.00	2.50	0.00
								152+75.00	26.21	3.25	0.00	2.50	0.00
R6	143+50.93	-15.00	0.00	FULL	2.60	0.00	R6	143+50.93	32.00	1.55	0.80	1.75	0.00
	145+25.00	-15.00	0.00	FULL	2.60	0.00		145+00.00	32.00	1.55	0.80	1.75	0.00
	147+00.00	-15.00	0.00	FULL	2.60	0.00		146+00.00	31.00	1.84	1.09	1.75	0.00
	148+21.14	-15.00	0.00	FULL	2.60	0.00		150+21.50	31.00	1.84	1.09	1.75	0.00
								152+75.00	31.00	1.84	1.09	1.75	0.00
R7							R7	155+35.59	26.88	2.28	2.28	1.75	0.00
								143+50.93	47.50	0.80	0.80	1.75	0.00
								145+00.00	47.50	0.80	0.80	1.75	0.00
								146+00.00	47.50	1.09	1.09	1.75	0.00
								150+21.50	47.50	1.09	1.09	1.75	0.00
							152+75.00	47.50	1.09	1.09	1.75	0.00	
							155+35.59	47.50	2.28	2.28	1.75	0.00	
							143+50.93	56.00	3.25	0.00	1.75	0.00	
							145+00.00	56.00	3.25	0.00	1.75	0.00	
							146+00.00	55.00	3.25	0.00	1.75	0.00	
							150+21.50	55.00	3.25	0.00	1.75	0.00	
							152+75.00	55.00	3.25	0.00	1.75	0.00	
							155+35.59	50.88	3.25	0.00	1.75	0.00	
							158+00.00	47.50	3.25	0.00	1.75	0.00	

▽ FOR PAVEMENT EDGE DETAILS, SEE SHEET 4
 FOR PROPOSED LEGEND AND NOTES, SEE SHEET 4

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- A** 24.0'
 STA. 158+00.00 TO STA. 173+90.25
 VARIES 24.0' TO 26.0'±
 STA. 173+90.25 TO STA. 174+90.17
 VARIES 26.0'± TO 64.4'±
 STA. 174+90.17 TO STA. 188+44.21
 12.0'
 STA. 188+44.21 TO STA. 190+00.00
- B** ±4.0'
 STA. 158+00.00 TO STA. 158+12.08
 STA. 159+32.74 TO STA. 171+90.25
 0.0'
 STA. 158+12.08 TO STA. 159+32.74
 STA. 171+90.25 TO STA. 174+90.17
- C** ±7.3'
 STA. 158+00.00 TO STA. 158+52.28
 ±4.3'
 STA. 158+52.28 TO STA. 159+66.43
 STA. 173+62.03 TO STA. 175+64.35
 ±8.0'
 STA. 159+66.43 TO STA. 173+62.03
 STA. 175+64.35 TO STA. 188+02.27
 ±3.8'
 STA. 188+02.27 TO STA. 192+03.94
 VARIES ±7.8' MAX TO ±6.8' MIN
 STA. 192+03.94 TO STA. 202+96.96
- D** 6.0'
 STA. 158+00.00 TO STA. 196+25.00
 STA. 199+65.00 TO STA. 202+96.96
 2.0'
 STA. 196+25.00 TO STA. 196+90.50
 STA. 198+98.00 TO STA. 199+65.00
 0.0'
 STA. 196+90.50 TO STA. 198+98.00
- E** 50.0'
 STA. 158+00.00 TO STA. 167+44.00
 VARIES 34.7' TO 34.2'
 STA. 167+44.00 TO STA. 184+35.77
 VARIES 34.2' TO 40.0'
 STA. 184+35.77 TO STA. 184+60.18
 40.0'
 STA. 184+60.18 TO STA. 189+13.54
 VARIES 40.0' TO 34.7'
 STA. 189+13.54 TO STA. 202+96.96
- F** 14.0' TO 50.3'
 STA. 174+90.17 TO STA. 188+44.20
 10.0'
 STA. 188+44.20 TO STA. 190+00.00



SR-32 NORMAL SECTION
 STA. 158+00.00 TO STA. 202+96.96

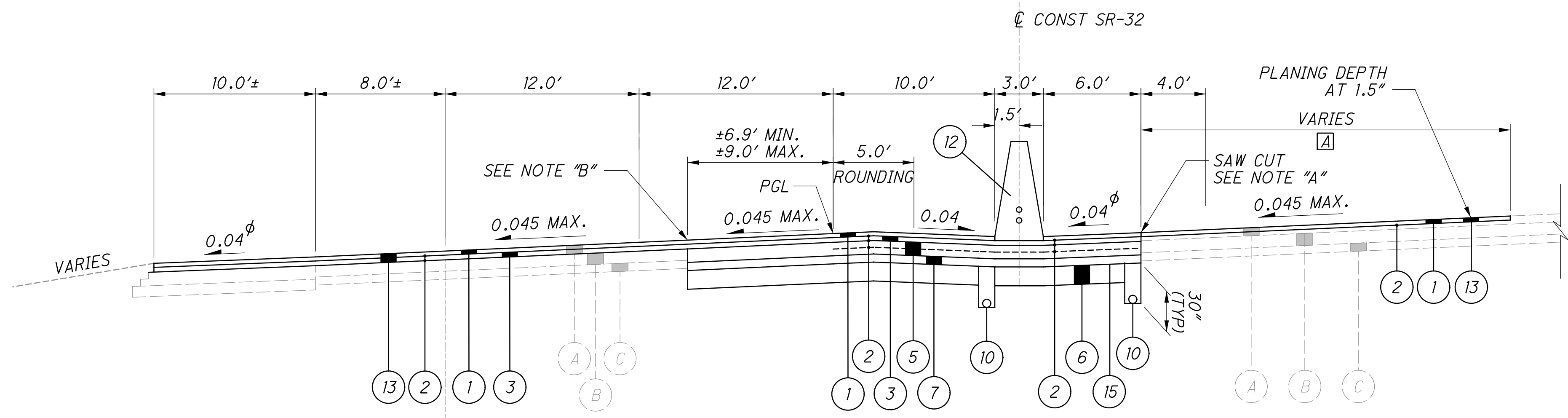
++ EXISTING MEDIAN BARRIER TO REMAIN SR-32:
 STA. 196+90.50 TO STA. 198+98.00
 ** SEE UNDERDRAIN PLAN FOR LOCATIONS

▽ FOR PAVEMENT EDGE DETAILS, SEE SHEET 4
 FOR PROPOSED LEGEND AND NOTES, SEE SHEET 4

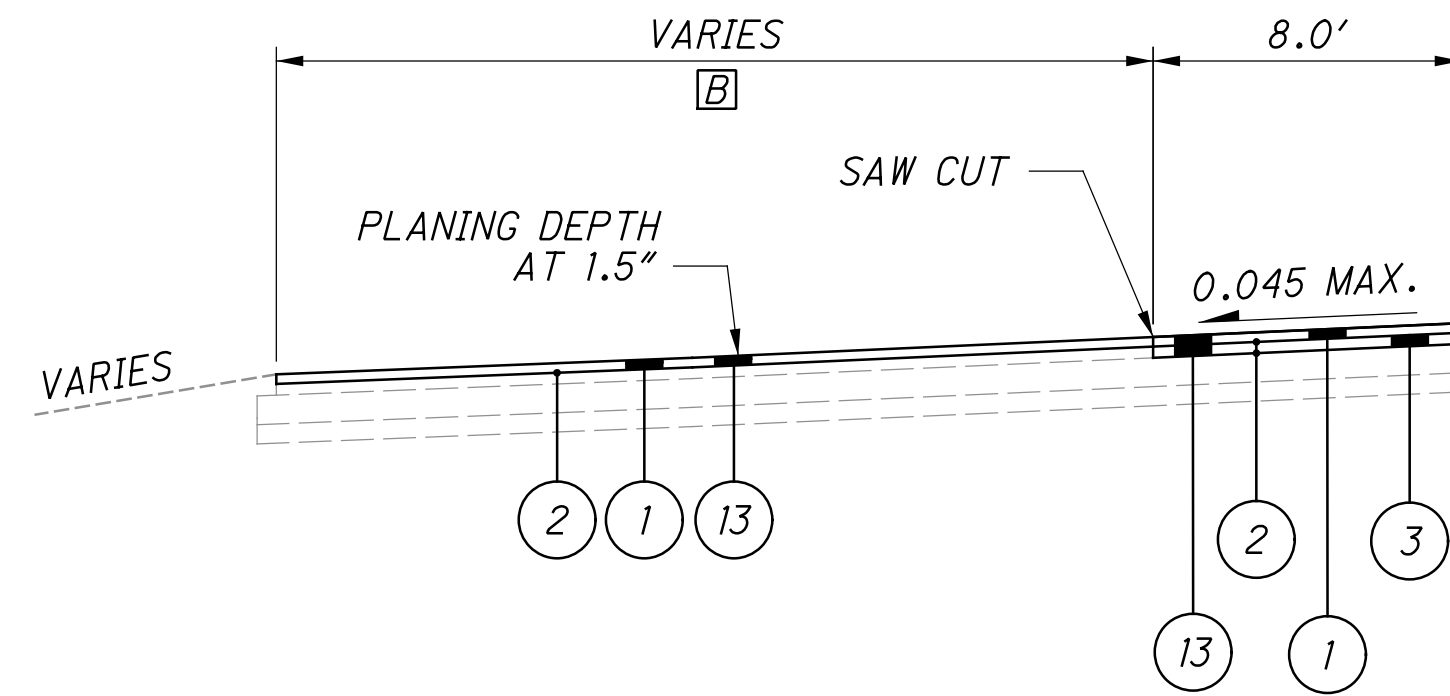
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Ⓐ VARIES 34.7' TO 34.9'
 STA. 202+96.96 TO STA. 217+00.00 BK/231+49.42 AH

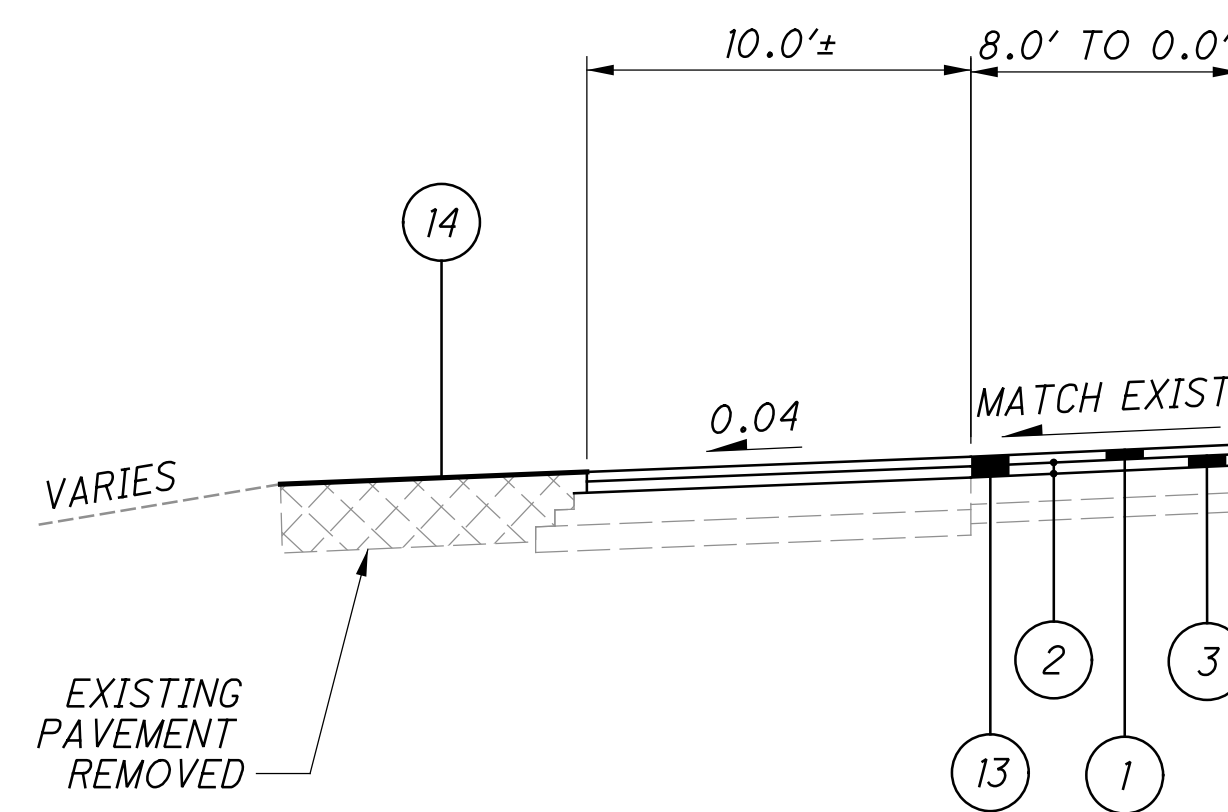
Ⓑ VARIES 47.1' TO 20.0'
 STA. 207+94.20 TO STA. 212+66.69
 20.0'
 STA. 212+66.69 TO STA. 215+48.49
 VARIES 20.0' TO 10.0'
 STA. 215+48.49 TO STA. 216+48.49



SR-32 SUPERELEVATED SECTION
 STA. 202+96.96 TO STA. 217+00.00 BK/231+49.42 AH



SECTION APPLIES:
 STA. 207+94.20 TO STA. 216+48.49



SECTION APPLIES:
 STA. 216+48.49 TO STA. 231+64.57

▽ FOR PAVEMENT EDGE DETAILS, SEE SHEET 4

λ 7.00% MAX BREAK

φ 0.040 OR RATE OF SUPER IF GREATER

FOR PROPOSED LEGEND AND NOTES, SEE SHEET 4

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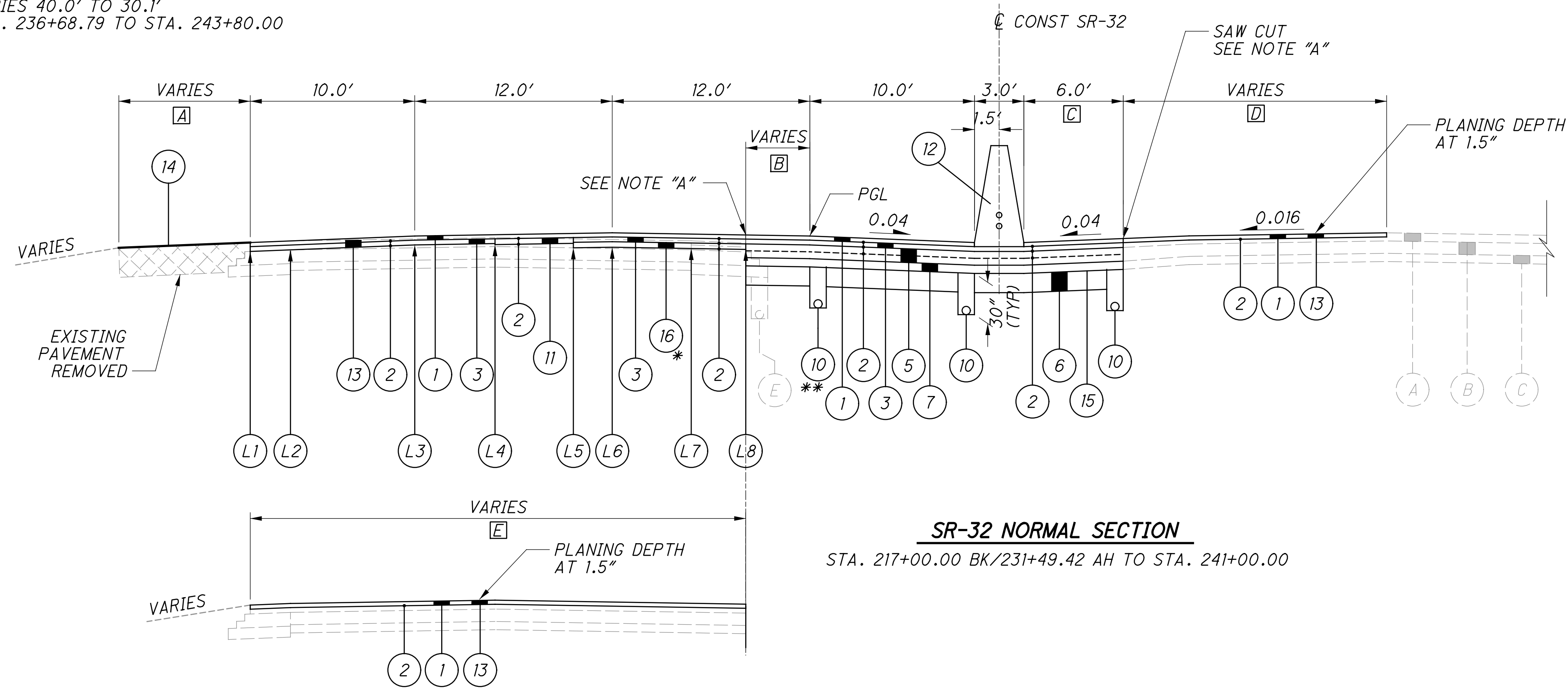
A VARIES 0.0' TO 7.4'±
 STA. 216+53.87 TO STA. 231+64.57
 7.5'±
 STA. 231+64.57 TO STA. 236+20.00
 VARIES 7.5'± TO 0.0'
 STA. 236+20.00 TO STA. 240+47.17
 0.0'
 STA. 240+47.17 TO STA. 241+00.00

E VARIES 34.0' TO 34.1'
 STA. 241+00.00 TO STA. 251+24.20

B ±7.0'
 STA. 231+49.42 TO STA. 234+95.58
 ±3.8'
 STA. 234+95.58 TO STA. 236+20.00
 VARIES ±3.7' TO 0.0'
 STA. 236+20.00 TO STA. 238+47.77
 0.0'
 STA. 238+47.77 TO STA. 239+21.68
 VARIES ±3.1' TO 0.0'
 STA. 239+21.68 TO STA. 241+00.00

C 6.0'
 STA. 231+49.42 TO STA. 238+00.00
 VARIES 6.0' TO 10.5'
 STA. 238+00.00 TO STA. 241+00.00

D VARIES 34.9' TO 40.0'
 STA. 231+49.42 TO STA. 235+59.43
 40.0'
 STA. 235+59.43 TO STA. 236+68.79
 VARIES 40.0' TO 30.1'
 STA. 236+68.79 TO STA. 243+80.00



SR-32 NORMAL SECTION
 STA. 217+00.00 BK/231+49.42 AH TO STA. 241+00.00

SECTION APPLIES:
 STA. 241+00.00 TO STA. 251+24.20

* SEE DEPTH CHART FOR LOCATIONS AND DIMENSIONS
 ** SEE UNDERDRAIN PLAN FOR LOCATIONS

PAVEMENT PLANING & OVERLAY MATERIAL ESTIMATED DEPTH CHART

POINT	STATION	OFFSET (FT)	PLANING DEPTH		NEW LAYER THICKNESS	
			LEFT (IN)	RIGHT (IN)	ITEM 442 (IN)	ITEM 302 (IN)
L1	231+49.42	-45.50	FULL	3.25	1.75	0.00
	234+95.57	-45.50	FULL	3.25	1.75	0.00
	236+20.00	-45.50	FULL	3.25	1.75	0.00
	237+17.28	-47.07	FULL	3.25	1.75	0.00
	238+06.26	-48.50	FULL	3.25	1.75	0.00
	239+21.68	-50.37	FULL	3.25	1.75	0.00
241+00.00	-52.54	0.00	3.25	1.75	0.00	
L2	231+49.42	-42.52	3.25	3.25	1.75	0.00
	234+95.57	-43.05	3.25	3.25	1.75	0.00
	236+20.00	-43.05	3.25	3.25	1.75	0.00
	237+17.28	-43.33	3.25	3.25	1.75	0.00
	238+06.26	-43.31	3.25	3.25	1.75	0.00
	239+21.68	-43.34	3.25	3.25	1.75	0.00
241+00.00	-43.24	3.25	3.25	1.75	0.00	
L3	231+49.42	-35.50	1.23	1.23	1.75	0.00
	234+95.57	-35.50	1.08	1.08	1.75	0.00
	236+20.00	-35.50	1.08	1.08	1.75	0.00
	237+17.28	-36.93	1.41	1.41	1.75	0.00
	238+06.26	-38.24	1.79	1.79	1.75	0.00
	239+21.68	-39.94	2.27	2.27	1.75	0.00
L4	231+49.42	-30.00	1.23	1.98	2.50	0.00
	234+95.57	-30.62	1.08	1.83	2.50	0.00
	236+20.00	-30.62	1.08	1.83	2.50	0.00
	237+17.28	-30.96	1.41	1.41	1.75	0.00
	238+06.26	-31.00	1.79	1.79	1.75	0.00
	239+21.68	-31.04	2.27	2.27	1.75	0.00
L5	231+49.42	-24.86	0.00	3.25	1.75	4.00
	234+95.57	-25.87	0.00	3.25	1.75	4.00
	236+20.00	-25.87	0.00	3.25	1.75	4.00
	237+17.28	-27.30	0.00	0.91	2.66	0.00
	238+06.26	-26.24	0.00	0.00	1.75	4.00
	239+21.68	-27.94	1.08	1.08	1.75	0.00
241+00.00	-31.00	3.25	3.25	1.75	0.00	
L6	231+49.42	-23.50	2.73	2.73	1.75	4.00
	234+95.57	-23.50	2.34	2.34	1.75	4.00
	236+20.00	-23.50	2.34	2.34	1.75	4.00
	237+17.28	-24.93	0.00	3.25	1.75	4.00
	238+06.26	-26.24	0.00	0.00	1.75	4.00
	239+21.68	-27.94	1.08	1.08	1.75	0.00
241+00.00	-31.00	3.25	3.25	1.75	0.00	
L7	231+49.42	-18.40	2.73	0.00	1.75	4.00
	234+95.57	-18.70	2.34	2.34	1.75	4.00
	236+20.00	-18.70	2.34	2.34	1.75	4.00
	237+17.28	-18.88	3.25	3.25	1.75	4.00
	238+06.26	-18.95	0.00	1.16	2.95	0.00
	239+21.68	-19.05	1.08	1.08	1.75	0.00
241+00.00	-18.56	3.25	3.25	1.75	0.00	
L8	234+95.57	-15.39	1.39	FULL	1.75	4.00
	236+20.00	-15.39	1.39	FULL	1.75	4.00
	237+17.28	-15.05	1.99	FULL	1.75	4.00
	238+06.26	-14.92	0.00	FULL	2.95	0.00

TYPICAL SECTIONS - SR-32

CLE-32-2.65 (PHASE 7)

▽ FOR PAVEMENT EDGE DETAILS, SEE SHEET 4
 FOR PROPOSED LEGEND AND NOTES, SEE SHEET 4

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SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, SOIL ANALYSIS TEST	2 EACH
659, TOPSOIL	1,194 CU. YD.
659, SEEDING AND MULCHING	10,753 SQ. YD.
659, REPAIR SEEDING AND MULCHING	538 SQ. YD.
659, INTER-SEEDING	538 SQ. YD.
659, COMMERICAL FERTILIZER	1.50 TON
659, LIME	2.22 ACRES
659, WATER	60 M GALS
659, MOWING	24 SQ. FT.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH A SHEET OF TYPE G REFLECTIVE SHEETING, PER CMS 730.19.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL

WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A "W-BEAM RAIL SPLICE" AS SHOWN IN AASHTO M 180. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

PART WIDTH CONSTRUCTION

BECAUSE OF THE NECESSITY TO BUILD THIS PROJECT UNDER TRAFFIC AND TO CONSTRUCT THE FULL PAVEMENT WIDTH IN STAGES, EXERCISE CARE TO PREVENT THE CONSTRUCTION OF A BUTT JOINT IN THE BASE COURSES. LAP LONGITUDINAL JOINTS AS SHOWN ON STANDARD DRAWING BP-3.1.

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING. SEE PLAN SHEET 80 FOR ADDITIONAL INFORMATION.

ITEM 204 - PROOF ROLLING 17 HOURS.

PROTECTION OF RIGHT-OF-WAY LANDSCAPING

PRIOR TO BEGINNING WORK, THE CONTRACTOR, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY WILL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT OF WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS) A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE.

CONSTRUCT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL, THE CONSTRUCTION LIMITS ARE IDENTIFIED AS 30 FEET FROM THE EDGE OF PAVEMENT.

SUBMIT A WRITTEN REQUEST TO THE PROJECT ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. EXCEPT AS INDICATED ON SHEET --- USE OF THESE AREAS FOR DISPOSAL OF WASTE MATERIAL AND CONSTRUCTION DEBRIS, EXCAVATION OF BORROW MATERIAL AND PLACEMENT OF PORTABLE PLANTS IS PROHIBITED. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS AS DEFINED ABOVE WILL BE REPLACED IN KIND OR AS APPROVED BY THE PROJECT ENGINEER.

ITEM 253 - PAVEMENT REPAIR

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ACCOUNT FOR FULL DEPTH PAVEMENT REPAIR NEEDS IN AREAS OF PAVEMENT PLANING AND RESURFACING FOR USE AS DIRECTED BY THE ENGINEER. FULL DEPTH ASPHALT PAVEMENT IS ASSUMED TO BE 19.25" DEEP.

ITEM 253 - PAVEMENT REPAIR 5,670 CY

ITEM 254 - PATCHING PLANED SURFACE

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ACCOUNT FOR PATCHING AREAS OF THE PLANED SURFACE THAT THE ENGINEER DESIGNATES AS HAVING SPALLING OR DISLODGED UNSOUND PAVEMENT.

ITEM 254 - PATCHING PLANED SURFACE 10,600 SY

BENCHING OF FOUNDATION SLOPES

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN 203.05. NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF 203.05.

ITEM 606 - IMPACT ATTENUATOR, TYPE 2 (BIDIRECTIONAL)

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE TYPE 2 IMPACT ATTENUATORS AS LISTED ON THE OFFICE OF ROADWAY ENGINEERING'S WEB PAGE (REFER TO THE POSTED SHOP DRAWINGS FOR THE MOST CURRENT APPROVED PRODUCT MODELS). WHEN BI-DIRECTIONAL DESIGNS ARE SPECIFIED, THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS. THE FACE OF THE IMPACT HEAD SHALL BE COVERED WITH TYPE G REFLECTIVE SHEETING, PER CMS 730.19.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, IMPACT ATTENUATOR, TYPE 2 ((BIDIRECTIONAL) 60 MPH, 34 IN), EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS/BACKSTOPS, TRANSITIONS, HARDWARE AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

ITEM SPECIAL - FILL AND PLUG EXISTING CONDUIT

THIS ITEM SHALL CONSIST OF THE CONSTRUCTION OF BULKHEADS IN EXISTING 12 AND 15 IN DIAMETER CONDUIT AND FILLING THE AREA THUS SEALED OFF WITH ITEM 613, SAND OR OTHER MATERIAL APPROVED BY THE ENGINEER.

BULKHEADS SHALL BE LOCATED AT THE LIMITS OF THE AREA TO BE FILLED AS INDICATED ON THE PLANS. THE BULKHEADS SHALL CONSIST OF BRICK OR CONCRETE MASONRY WITH A MINIMUM THICKNESS OF 12 INCHES.

THE FILL MATERIAL SHALL BE PUMPED INTO PLACE, OR PLACED BY OTHER MEANS APPROVED BY THE ENGINEER, SO THAT, AFTER SETTLEMENT, AT LEAST 90 PERCENT OF THE CROSS-SECTIONAL AREA OF THE CONDUIT, FOR ITS ENTIRE LENGTH, SHALL BE FILLED. THE LENGTH OF FILLED AND PLUGGED CONDUIT TO BE PAID FOR SHALL BE THE ACTUAL NUMBER OF FEET (MEASURED ALONG THE CENTERLINE OF EACH CONDUIT FROM OUTER FACE TO OUTER FACE OF BULKHEADS) FILLED AND PLUGGED AS DESCRIBED ABOVE.

IN LIEU OF FILLING AND PLUGGING THE EXISTING CONDUIT, THE PIPE MAY BE CRUSHED AND BACKFILLED IN ACCORDANCE WITH THE PROVISIONS OF 203, OR IT MAY BE REMOVED. THE LENGTH, MEASURED AS PROVIDED ABOVE, SHALL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR, ITEM SPECIAL, FILL AND PLUG EXISTING CONDUIT.

CALCULATED
MSW
CHECKED
WAA

GENERAL NOTES

CLE-32-2.65
(PHASE 7)

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SHEET NUM.												PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
12	13	14	15	19	74	76	77	81	82	251		02/NHS/PV	EXT	TOTAL				
						2.5						2.5	602	20000	2.5	CY	DRAINAGE	
							17,348					17,348	605	11110	17,348	FT	CONCRETE MASONRY	
	200											200	605	13300	200	FT	6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	
							3,743					3,743	605	14020	3,743	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	
	200											200	611	00406	200	FT	6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	
																	4" CONDUIT, TYPE F	
							704					704	611	00510	704	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
						313						313	611	05900	313	FT	15" CONDUIT, TYPE B	
						10						10	611	05901	10	FT	15" CONDUIT, TYPE B, AS PER PLAN	13
						30						30	611	07400	30	FT	18" CONDUIT, TYPE B, 706.02	
						122						122	611	10400	122	FT	24" CONDUIT, TYPE B	
						15						15	611	10400	15	FT	24" CONDUIT, TYPE B, 706.02	
						10						10	611	19400	10	FT	42" CONDUIT, TYPE B	
						320							611	96600	320	FT	CONDUIT, BORED OR JACKED: 15" TYPE B	
						84							611	96600	84	FT	CONDUIT, BORED OR JACKED: 24" TYPE B	
				2								2	611	98631	2	EACH	CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN	19
							12					12	611	99110	12	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE C1	
							1						611	99574	1	EACH	MANHOLE, NO. 3	
							7					7	611	99654	7	EACH	MANHOLE ADJUSTED TO GRADE	
																	MANHOLE RECONSTRUCTED TO GRADE	
	4						1					1	611	99660	1	EACH	PRECAST REINFORCED CONCRETE OUTLET	
								2				6	611	99710	6	EACH		
																	PAVEMENT	
5,670												5,670	253	02000	5,670	CY	PAVEMENT REPAIR	
								105,877				105,877	254	01000	105,877	SY	PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH AS SHOWN)	
10,600												10,600	254	01600	10,600	SY	PATCHING PLANED SURFACE	
			5									5	301	46000	5	CY	ASPHALT CONCRETE BASE, PG64-22	
								9,619				9,619	302	46000	9,619	CY	ASPHALT CONCRETE BASE, PG64-22	
								7,590				7,594	304	20000	7,594	CY	AGGREGATE BASE	
			4					18,067				18,069	407	20000	18,069	GAL	NON-TRACKING TACK COAT	
			2									28	410	12000	28	CY	TRAFFIC COMPACTED SURFACE, TYPE A OR B	
			28									1	441	50000	1	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
								6,122				6,122	442	00100	6,122	CY	ANTI-SEGREGATION EQUIPMENT	
								5,684				5,684	442	10000	5,684	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	
								3,622				3,622	442	10100	3,622	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	
																	WATER WORK	
									2			2	638	08704	2	EACH	6" CUTTING-IN SLEEVE	
									20			20	638	98600	20	FT	WATER WORK, MISC.: 6" DUCTILE IRON WATER MAIN AND DUCTILE IRON FITTINGS (CCWRD ITEM 2110)	214
																	SANITARY SEWER	
					1							1	611	99900	1	EACH	DRAINAGE STRUCTURE, MISC.: MANHOLE ADJUSTED TO GRADE	216
																	LIGHTING	
										74		74	625	00450	74	EACH	CONNECTION, FUSED PULL APART	
										15		15	625	00470	15	EACH	CONNECTION, UNFUSED BOLTED	
										9		9	625	00480	9	EACH	CONNECTION, UNFUSED PERMANENT	
										37		37	625	10494	37	EACH	LIGHT POLE, LOW MAST, ALM50	
										37		37	625	14306	37	EACH	MEDIAN LIGHT POLE FOUNDATION, 10' DEEP	
										24,881		24,881	625	23300	24,881	FT	NO. 2 AWG 2400 VOLT DISTRIBUTION CABLE	
										4,366		4,366	625	23400	4,366	FT	NO. 10 AWG POLE AND BRACKET CABLE	
										24		24	625	25504	24	FT	CONDUIT, 3", 725.051	
										140		140	625	25902	140	FT	CONDUIT, JACKED OR DRILLED, 725.04, 3"	
										37		37	625	26273	37	EACH	LUMINAIRE, LOW MAST, SOLID STATE (LED), AS PER PLAN, SYMMETRIC, 480 VOLT	250
										12		12	625	29000	12	FT	TRENCH	
										4		4	625	29930	4	EACH	MEDIAN JUNCTION BOX	
										2		2	625	30706	2	EACH	PULL BOX, 725.08, 24"	
										41		41	625	32000	41	EACH	GROUND ROD	
										2		2	625	34001	2	EACH	POWER SERVICE, AS PER PLAN	250
										12		12	625	36010	12	FT	UNDERGROUND WARNING/MARKING TAPE	
										1		1	625	75800	1	EACH	DISCONNECT CIRCUIT	

GENERAL SUMMARY

CLE-32-2.65 (PHASE 7)

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SHEET NO.	REFERENCE NO.	STATION		SIDE	202	202	202	202	202	202	202	202	202	202	202	202	202	202
		FROM	TO		HEADWALL REMOVED EACH	PAVEMENT REMOVED SY	CONCRETE BARRIER REMOVED FT	PIPE REMOVED, 24" AND UNDER FT	GUARDRAIL REMOVED FT	GUARDRAIL REMOVED, BARRIER DESIGN FT	IMPACT ATTENUATOR REMOVED EACH	CABLE BARRIER REMOVED FT	MANHOLE REMOVED EACH	CATCH BASIN REMOVED EACH	SPECIAL - FILL AND PLUG EXISTING CONDUIT (12"-15") FT	FENCE REMOVED FT		
86	R-1	133+95.00	143+34.25	LT		1,008.2												
86	R-2	133+95.00	142+38.41	LT		402.1												
86	R-3	133+95.00	141+82.28	LT			789.0											
86	R-4	137+99.33	140+28.89	LT					229									
86	R-5	141+82.28	142+36.58	LT						54								
86	R-7	136+36.79	136+46.80	LT												1		
86	R-8	138+39.45	142+00.00	LT				349.0								3		
86	R-9	142+31.70		LT											1			
87	R-11	153+40.00	169+00.00	LT									1,510					
87	R-12	144+10.00	174+90.33	LT		3,359.2												
87	R-16	150+21.50	152+75.00	RT		131.9												
87	R-17	153+50.00	158+52.30	LT		515.1												
88	R-20	158+14.44		LT	1			6.0										
88	R-21	158+29.60	159+17.67	LT	2			88.0										
88	R-22	159+05.50	159+08.87	LT				5.2										
88	R-23	159+73.04	160+50.00	LT/RT	1			117.6					1	1		24.6		
88	R-24	160+15.36	160+22.12	LT	1			9.2										
88	R-25	159+66.43	173+62.03	LT		495.1												
88	R-26	168+00.00	185+00.00	LT								1,700						
88	R-27	160+95.45	174+11.77	LT													1,419.0	
89	R-30	175+64.35	188+02.27	LT		414.2												
89	R-31	173+46.30	173+74.06	LT	1			81.5								1		
89	R-32	173+71.39	173+72.19	LT	1			9.7										
90	R-36	192+20.00	232+35.00	LT									2,624					
90	R-38	192+03.94	234+95.57	LT		1,036.8												
91	R-43	196+25.00	196+90.50	CL			30.0			1								
91	R-44	198+98.00	199+65.00	CL			30.0			1								
92	R-50	216+48.58	234+83.45	LT								385.5						
92	R-51	216+53.87	216+53.87	LT		586.5												
92	R-52	232+00.00	235+34.91	LT				335.1					1	2				
93	R-54	235+34.91		LT				45.4									26.8	
93	R-55	239+25.00	245+00.00	LT								575						
93	R-56	239+21.68	241+00.00	LT		80.0												
TOTALS CARRIED TO GENERAL SUMMARY					7	8,029	849	1,047	615	54	2	6,409	3	8	51	1,419		

CALCULATED
MSW
CHECKED
WAA

REMOVAL ESTIMATED QUANTITIES

**CLE-32-2.65
(PHASE 7)**

SHEET NO.	REFERENCE NO.	STATION		SIDE	606	606	606		606	607	607		611		622	622	622	622				
		FROM	TO		GUARDRAIL, TYPE MGS FT	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016) EACH	ANCHOR ASSEMBLY, MGS TYPE T EACH		IMPACT ATTENUATOR, TYPE 2 (BIDIRECTIONAL) EACH	FENCE, TYPE CLT FT	FENCELINE SEEDING AND MULCHING FT		DRAINAGE STRUCTURE, MISC.: MANHOLE ADJUSTED TO GRADE EACH		CONCRETE BARRIER, SINGLE SLOPE, TYPE C1 FT	CONCRETE BARRIER END SECTION, TYPE C1 EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1 EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1, AS PER PLAN EACH				
86	B-1	133+95.00	143+00.00	CL											804.0		2	1				
86	G-1	138+85.95	140+39.61	LT	87.5	1	1															
87	B-2	143+00.00	155+50.00	CL											1,080.0		6					
87	G-2	149+87.50	160+03.13	LT	900.0	1	1															
88	B-3	155+50.00	168+50.00	CL	150.0	1	1								1,096.0		6					
88	F-1	160+95.45	174+11.77	LT					1,317	1,317												
89	B-4	168+50.00	181+00.00	CL											1,100.0		6					
89	G-3	173+37.50	175+58.11	LT																		
90	B-5	181+00.00	193+50.00	CL											1,130.0		4					
91	B-6	193+50.00	196+90.50	CL											259.5		3					
91	B-7	198+98.00	206+04.56	CL											567.6		5					
92	B-8	206+04.56	233+00.00	CL											1,038.0		8					
92	G-4	216+48.59	239+63.10	LT	812.5	1																
93	B-9	233+00.00	241+00.00	CL											696.0	1	2					
93	I-1	241+00.00		CL				1														
94	SA-1	20+90.28		RT									1									
TOTALS CARRIED TO GENERAL SUMMARY					1,950.0	4	3		1	1317	1317		1		7,771	1	42	1				

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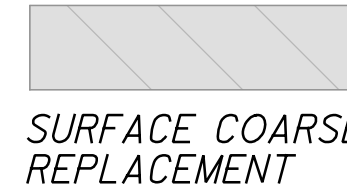
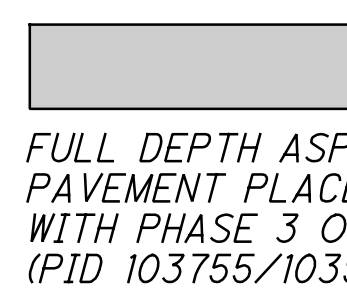

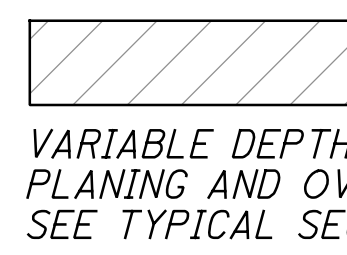
SHEET NO.	REF NO.	STATION		CHAIN	SIDE	601	602	611	611	611	611	611	611	611	611	611	611	611	670	
		FROM	TO			ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC CY	CONCRETE MASONRY CY	15" CONDUIT, TYPE B FT	15" CONDUIT, TYPE B, AS PER PLAN FT	18" CONDUIT, TYPE B, 706.02 FT	24" CONDUIT, TYPE B FT	24" CONDUIT, TYPE B, 706.02 FT	42" CONDUIT, TYPE B FT	CONDUIT, BORED OR JACKED: 15" TYPE B FT	CONDUIT, BORED OR JACKED: 24" TYPE B FT	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE C1 EACH	MANHOLE NO. 3 EACH	MANHOLE ADJUSTED TO GRADE EACH	MANHOLE RECONSTRUCTED TO GRADE EACH	DITCH EROSION PROTECTION MAT, TYPE A SY
197	D1	136+41.79		SR 32	C				10											
197	D2	138+50	138+47.45	SR 32	C			8									1		1	
198	D3	144+65.26	144+41.37	SR 32	C					30							1	1		
199	D4	149+30.48		SR 32	C							10					1			
201	D5	NOT USED																		
201	D6	158+44	158+00	SR 32	C		0.3						85				1			
201	D7	159+05.50		SR 32	LT		0.2													
201	D8	160+22.12		SR 32	LT		0.2													
203	D9	173+47.27	173+76.27	SR 32	C		0.5					5		84			1			
205	D10	183+25		SR 32	C			75									1			
205	D11	184+00		SR 32	C														1	
206	D12	186+00		SR 32	C														1	
206	D13	188+00		SR 32	C														1	
207	D14	191+00		SR 32	C														1	
207	D15	192+50		SR 32	C														1	
207	D16	194+94.86		SR 32	C														1	
207	D17	195+32		SR 32	C						10						1			
208	D18	196+50		SR 32	C														1	
208	D19	200+00		SR 32	C	2	0.3	230									1			
209	D20	205+80.00		SR 32	C		0.5			122							1			
210	D21	210+00		SR 32	C	1	0.3						90				1			
211	D22	214+00		SR 32	C	1	0.3						77				1			
212	D23	236+00		SR 32	C								68				1			
213	D24	241+00	241+50	SR 32	C														142	
TOTALS CARRIED TO GENERAL SUMMARY						5	2.5	313	10	30	122	15	10	320	84	12	1	7	1	142

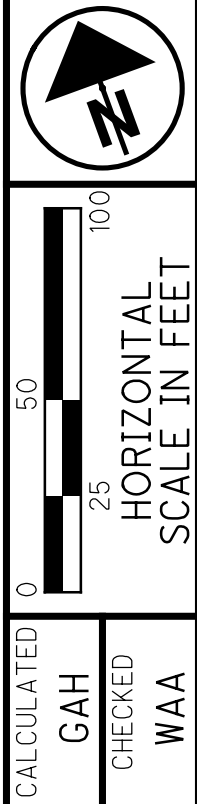
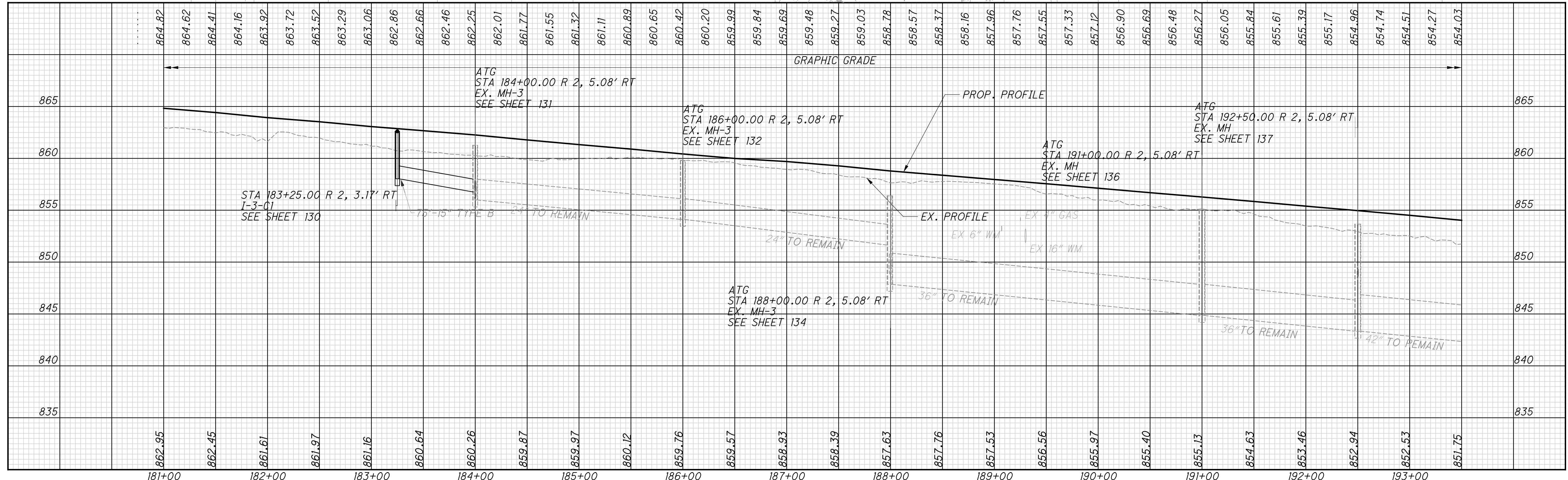
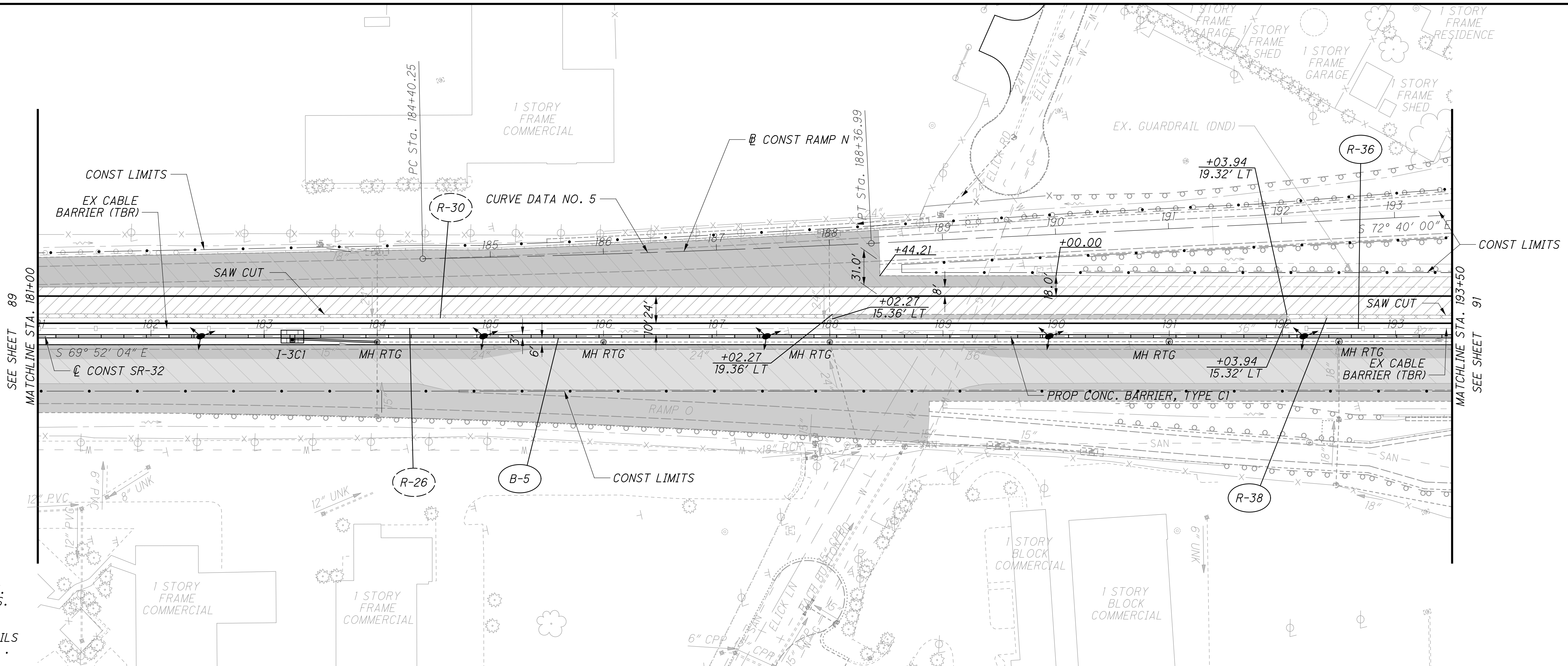
DRAINAGE ESTIMATED QUANTITIES

CLE-32-2.65 (PHASE 7)

CALCULATED
MHT
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RAMP N
 CURVE DATA NO. 5
 P.I. Sta. 186+38.63
 $\Delta = 1^\circ 39' 11''$ (LT)
 $D_c = 0^\circ 25' 00''$
 $R = 13,750.99'$
 $T = 198.38'$
 $L = 396.74'$
 $E = 1.43'$
 $e_{max} = 0.016$
 PC Sta. 184+40.25
 PT Sta. 188+36.99

-  SURFACE COARSE REPLACEMENT
-  FULL DEPTH ASPHALT PAVEMENT PLACED WITH PHASE 3 OR 5. (PID 103755/103954)
-  EXISTING ASPHALT PAVEMENT REMOVED.
-  VARIABLE DEPTH PLANING AND OVERLAY. SEE TYPICAL SECTIONS.
- FOR UNDERDRAIN DETAILS SEE SHEETS 196 - 213 .



PLAN AND PROFILE - SR-32
 STA. 181+00 TO STA. 193+50





CLE-32-2.65
 (PHASE 7)

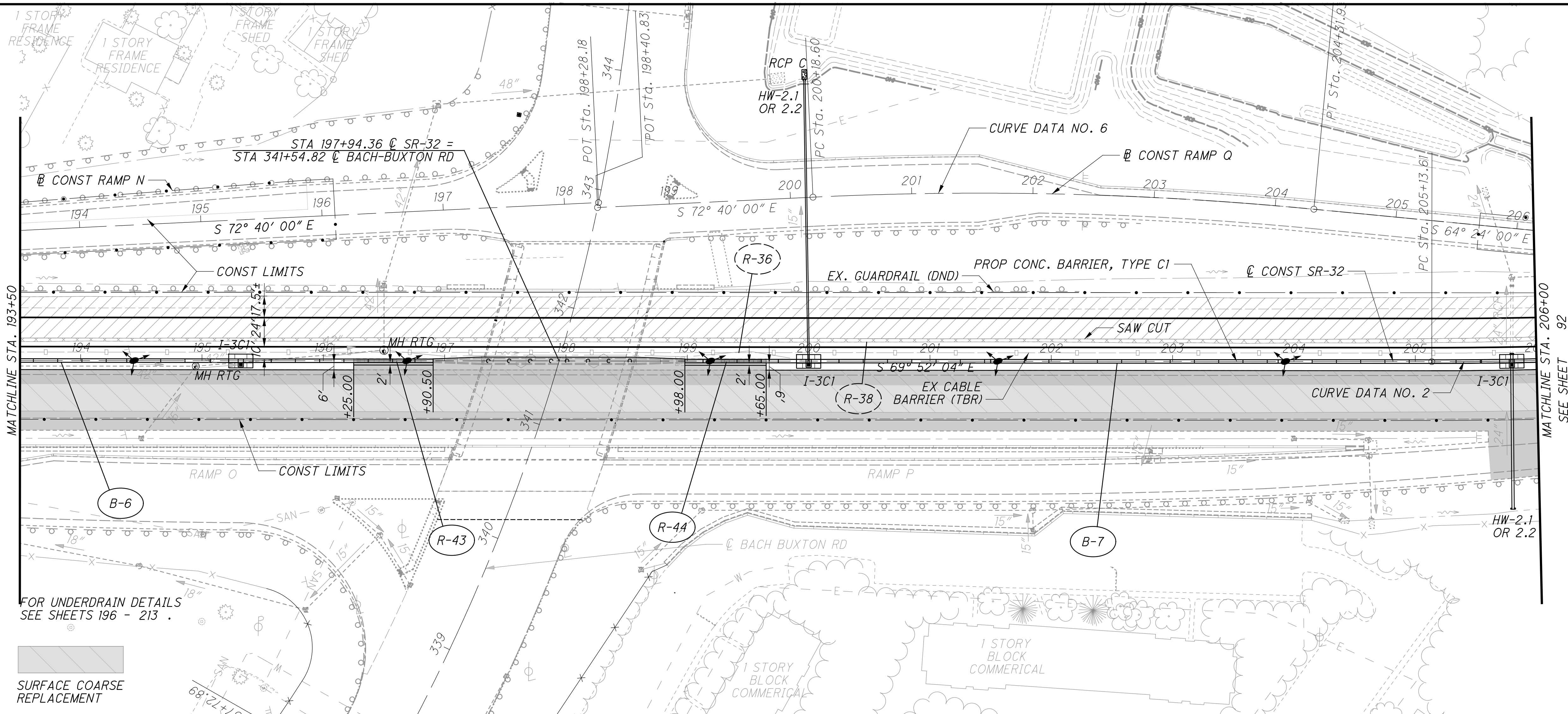
90
 316

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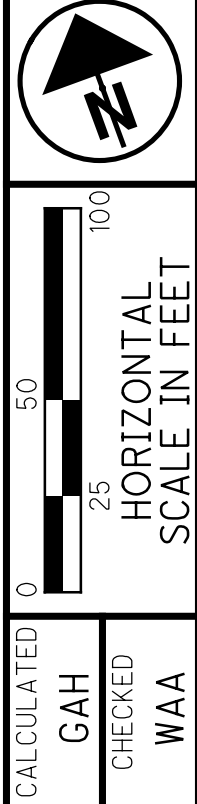
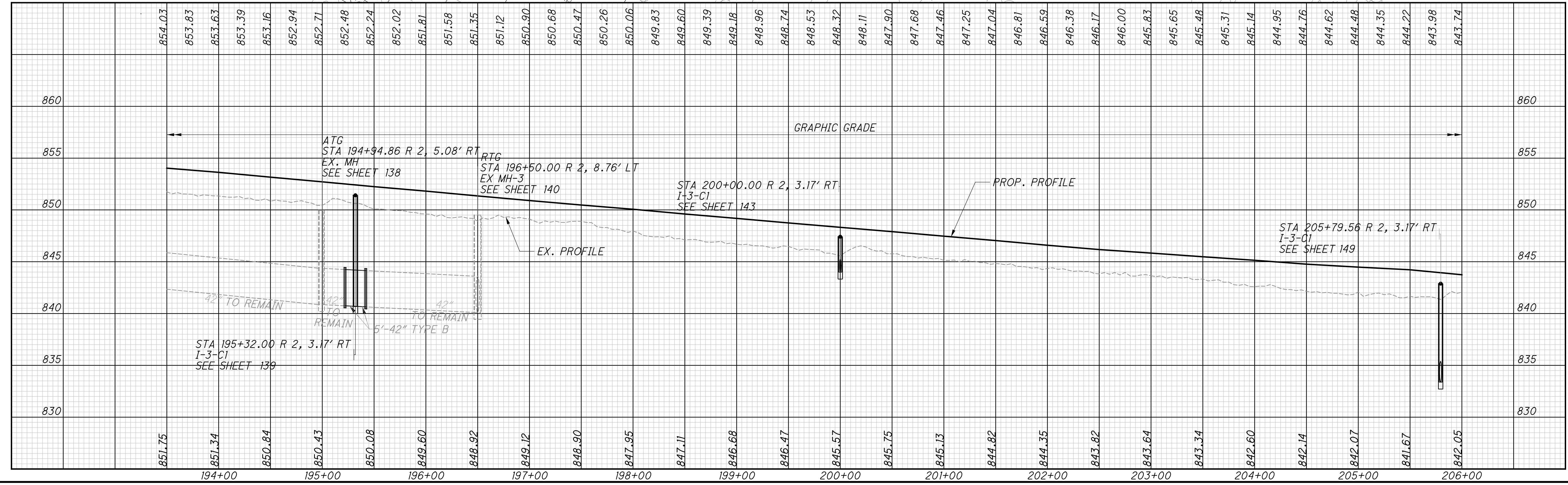
RAMP Q
 CURVE DATA NO. 6
 P.I. Sta. 202+25.62
 $\Delta = 8^\circ 16' 00''$ (RT)
 $D_c = 2^\circ 00' 00''$
 $R = 2,864.79'$
 $T = 207.03'$
 $L = 413.33'$
 $E = 7.47'$
 $e_{max} = 0.016$
 PC Sta. 200+18.60
 PT Sta. 204+31.93

SR-32
 CURVE DATA NO. 2
 P.I. Sta. 205+82.41
 $\Delta = 2^\circ 03' 49''$ (LT)
 $D_c = 1^\circ 30' 00''$
 $R = 3,819.74'$
 $T = 68.80'$
 $L = 137.58'$
 $E = 0.62'$
 $e_{max} = 0.037$
 PC Sta. 205+13.61
 PCC Sta. 206+51.19

-  FULL DEPTH ASPHALT PAVEMENT PLACED WITH PHASE 3 OR 5. (PID 103755/103954)
-  EXISTING ASPHALT PAVEMENT REMOVED.
-  VARIABLE DEPTH PLANING AND OVERLAY. SEE TYPICAL SECTIONS.
-  SURFACE COARSE REPLACEMENT



FOR UNDERDRAIN DETAILS
 SEE SHEETS 196 - 213



CALCULATED
 GAH
 CHECKED
 WAA

PLAN AND PROFILE - SR-32
 STA 193+50 TO STA 206+00

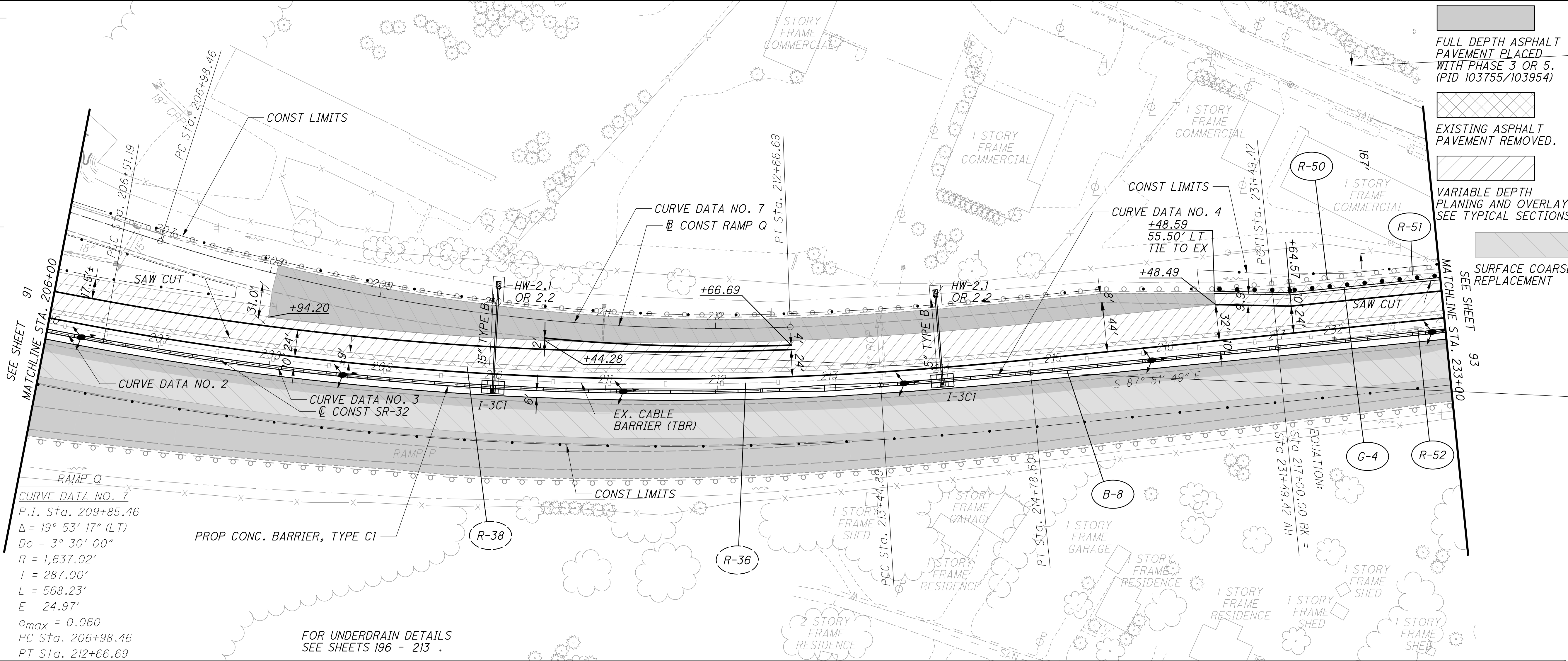
CLE-32-2.65
 (PHASE 7)

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SR-32
 CURVE DATA NO. 2
 P.I. Sta. 205+82.41
 $\Delta = 2^\circ 03' 49''$ (LT)
 $D_c = 1^\circ 30' 00''$
 $R = 3,819.74'$
 $T = 68.80'$
 $L = 137.58'$
 $E = 0.62'$
 $e_{max} = 0.037$
 PC Sta. 205+13.61
 PCC Sta. 206+51.19

SR-32
 CURVE DATA NO. 3
 P.I. Sta. 209+99.75
 $\Delta = 13^\circ 55' 35''$ (LT)
 $D_c = 2^\circ 00' 27''$
 $R = 2,854.00'$
 $T = 348.57'$
 $L = 693.70'$
 $E = 21.21'$
 $e_{max} = 0.045$
 PCC Sta. 206+51.19
 PCC Sta. 213+44.89

SR-32
 CURVE DATA NO. 4
 P.I. Sta. 214+11.75
 $\Delta = 2^\circ 00' 21''$ (LT)
 $D_c = 1^\circ 30' 00''$
 $R = 3,819.74'$
 $T = 66.86'$
 $L = 133.72'$
 $E = 0.59'$
 $e_{max} = 0.037$
 PCC Sta. 213+44.89
 PT Sta. 214+78.60
 $e_{max} = 0.060$
 PC Sta. 206+98.46
 PT Sta. 212+66.69

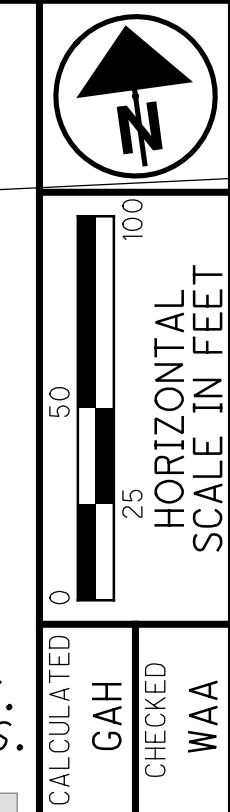


FULL DEPTH ASPHALT PAVEMENT PLACED WITH PHASE 3 OR 5. (PID 103755/103954)

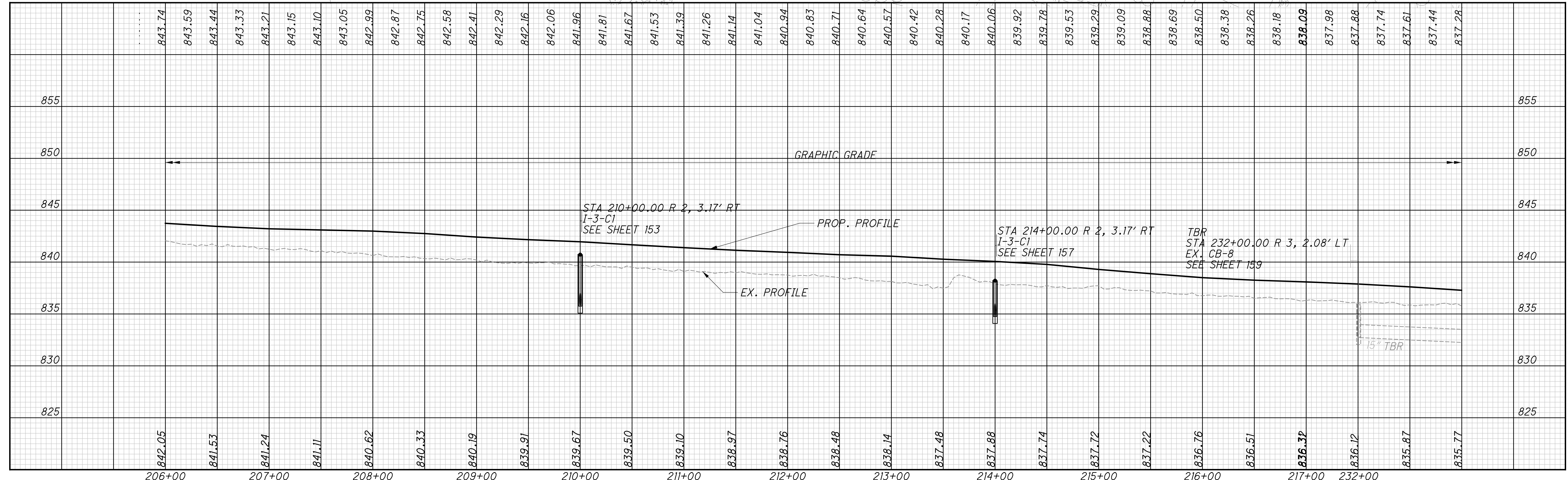
EXISTING ASPHALT PAVEMENT REMOVED.

VARIABLE DEPTH PLANING AND OVERLAY. SEE TYPICAL SECTIONS.

SURFACE COARSE REPLACEMENT



FOR UNDERDRAIN DETAILS SEE SHEETS 196 - 213

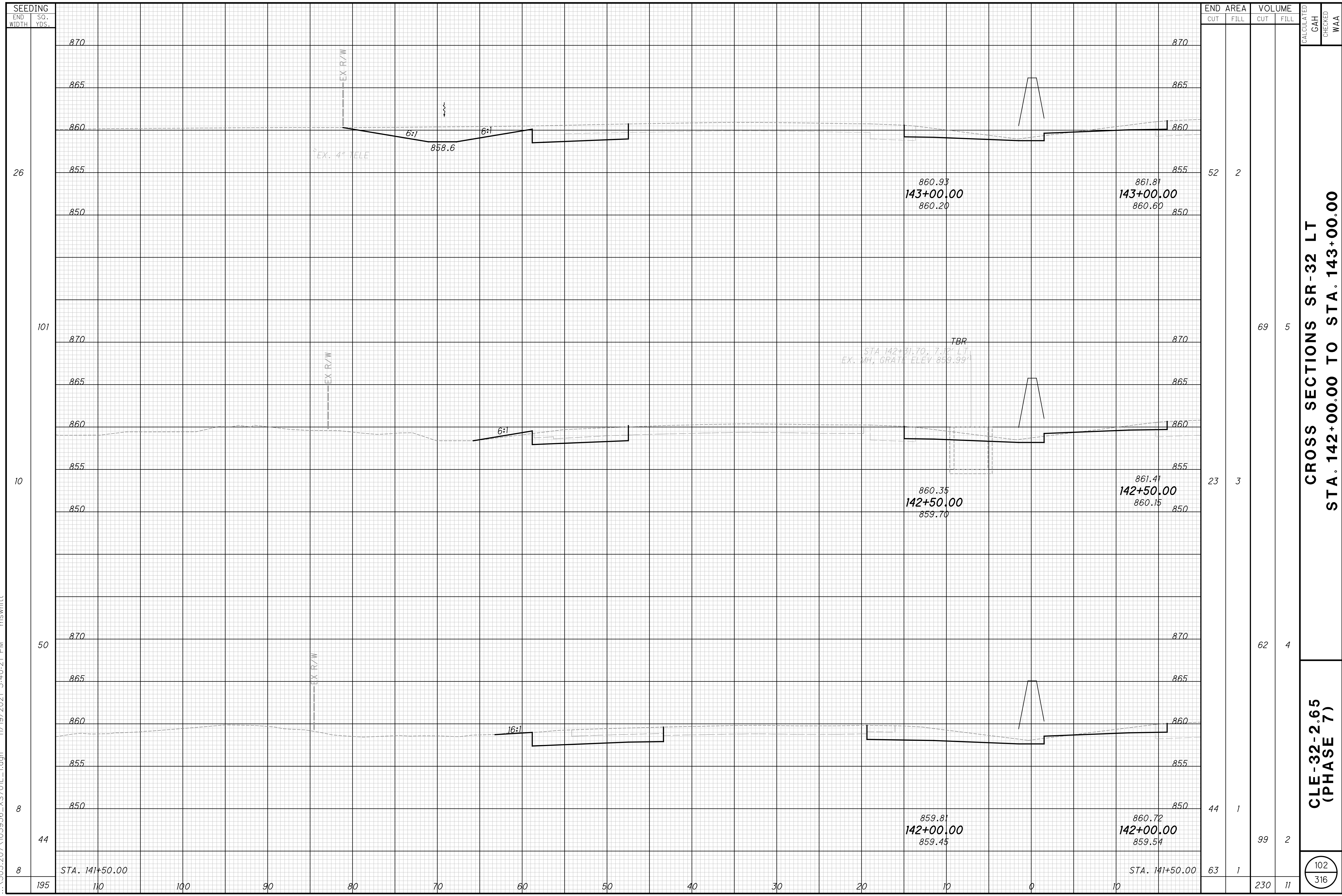


PLAN AND PROFILE - SR-32
 STA. 206+00 TO STA 233+00

CLE-32-2.65
 (PHASE 7)

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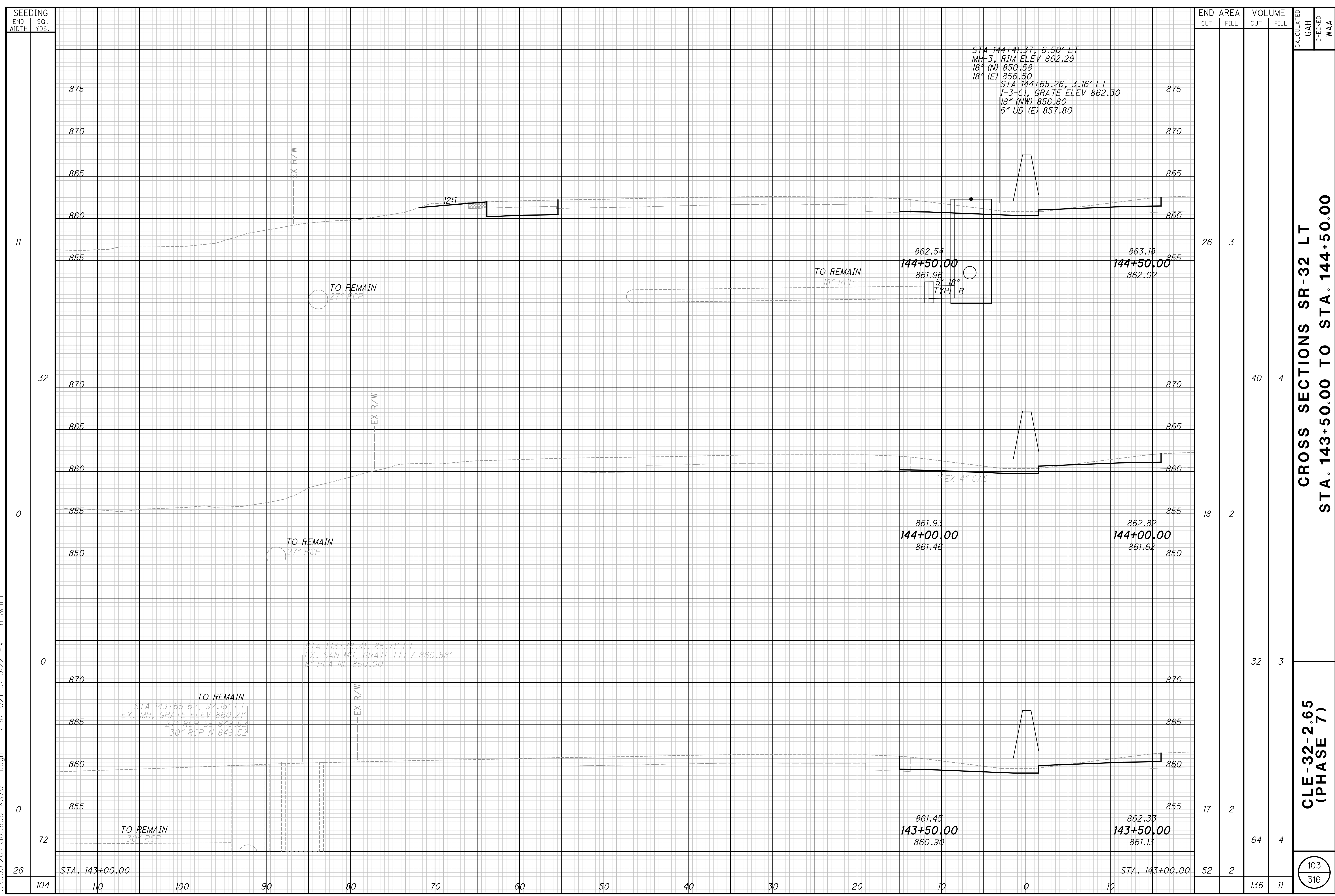


CROSS SECTIONS SR-32 LT
STA. 142+00.00 TO STA. 143+00.00

CLE-32-2.65
(PHASE 7)

102
316

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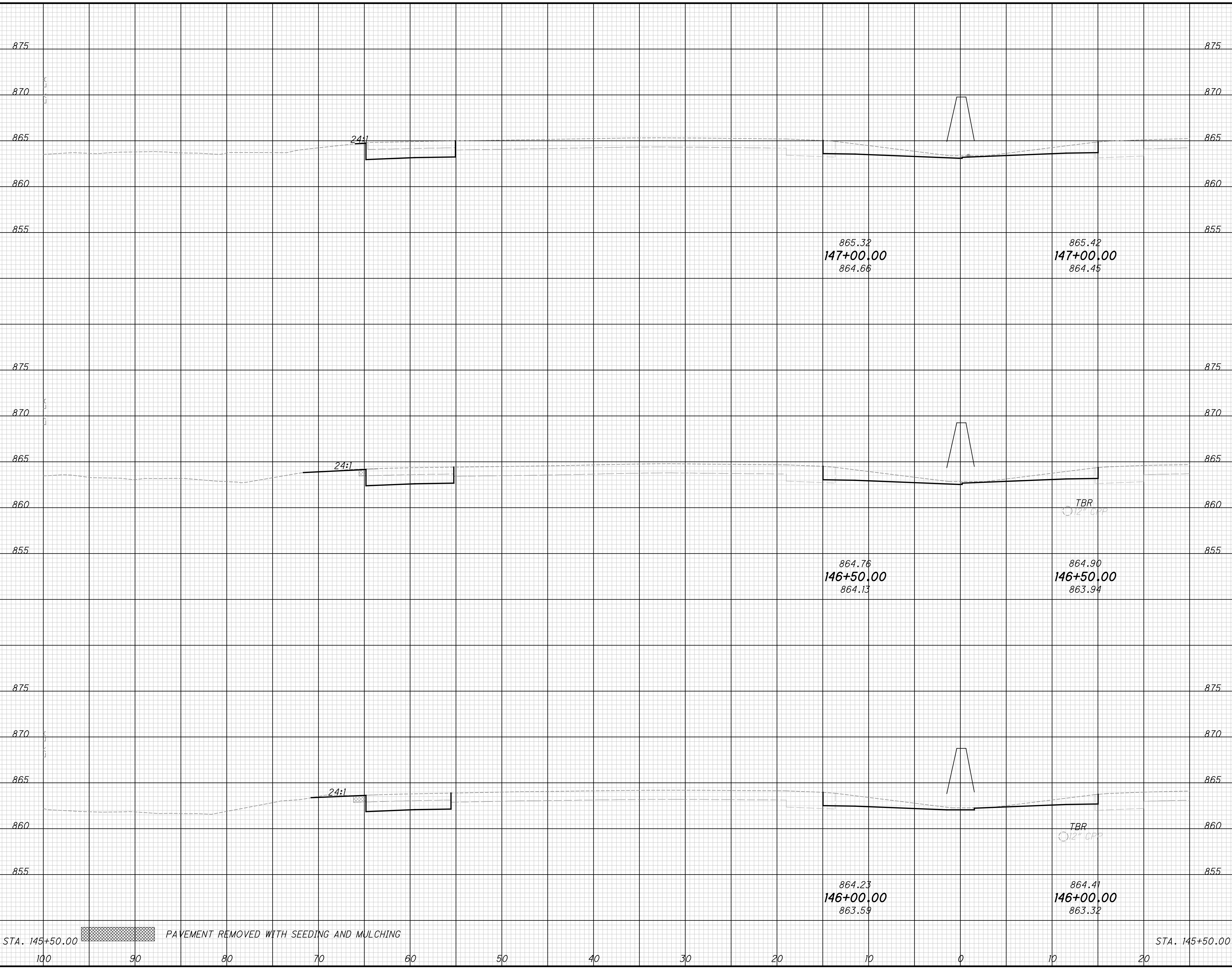
**CROSS SECTIONS SR-32 LT
STA. 143+50.00 TO STA. 144+50.00**

**CLE-32-2.65
(PHASE 7)**

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316

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SEEDING	
END WIDTH	SO. YDS.
5	
41	
10	
54	
9	
54	
10	
149	



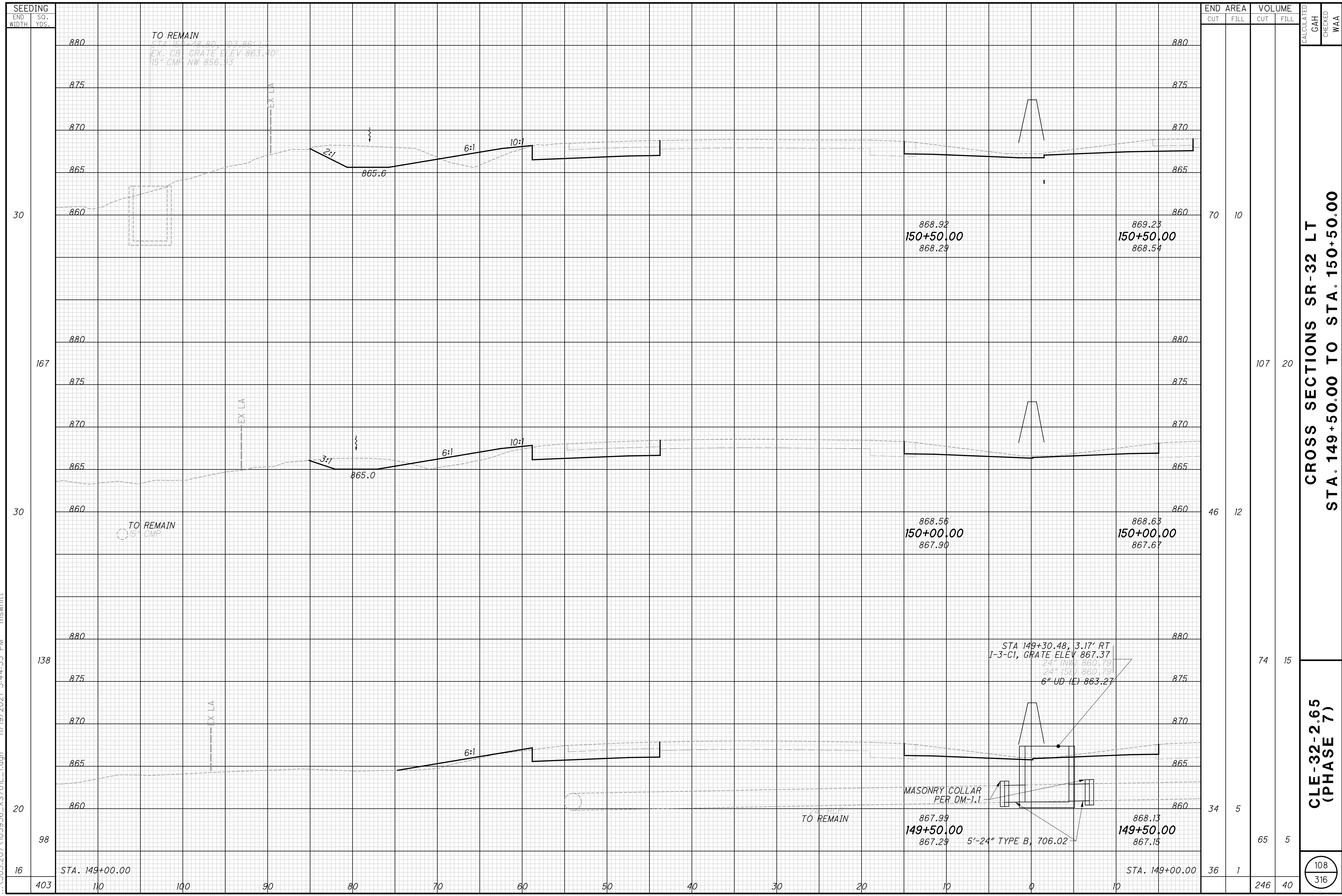
END AREA		VOLUME	
CUT	FILL	CUT	FILL
27	1	51	2
28	1	50	3
26	2	39	4
17	2	140	9

CROSS SECTIONS SR-32 LT
STA. 146+00.00 TO STA. 147+00.00
CLE-32-2.65 (PHASE 7)

CALCULATED
 GAH
 CHECKED
 WAA

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SEEDING	END AREA		VOLUME		CALCULATED	CHECKED
	END WIDTH	SO. YDS.	CUT	FILL		
30	70	10				
167	107	20				
30	46	12				
138	74	15				
20	34	5				
98	65	5				
16	36	1				
403	246	40				

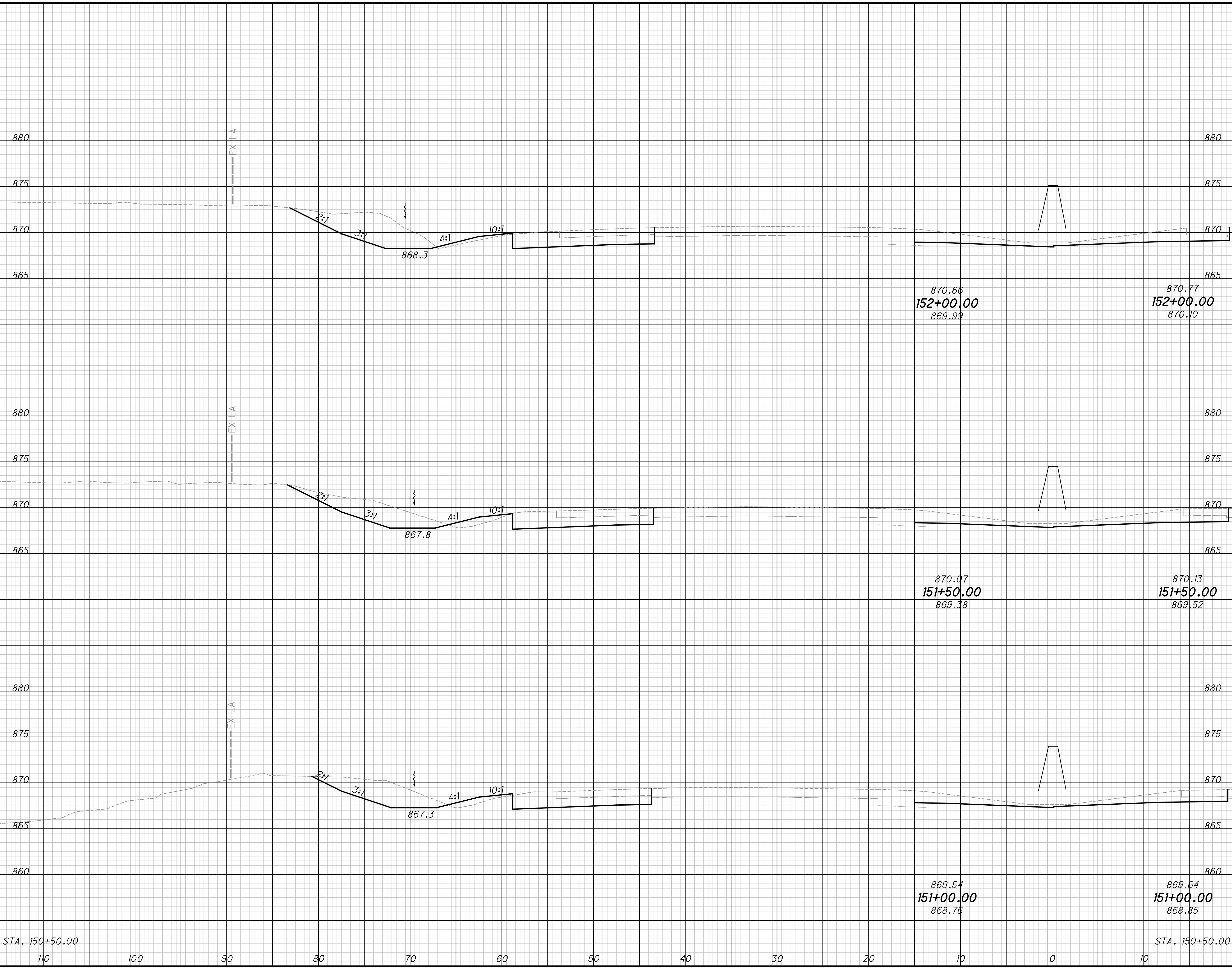
**CROSS SECTIONS SR-32 LT
STA. 149+50.00 TO STA. 150+50.00**

**CLE-32-2.65
(PHASE 7)**

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316

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SEEDING	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
END WIDTH	74	3	132	6
SO. YDS.	29	4	69	7
	160	4	120	7
	29	4	62	4
	156	10	122	13
469	110	10	374	26



END AREA		VOLUME	
CUT	FILL	CUT	FILL
74	3	132	6
69	4	69	7
62	4	120	7
70	10	122	13
70	10	374	26

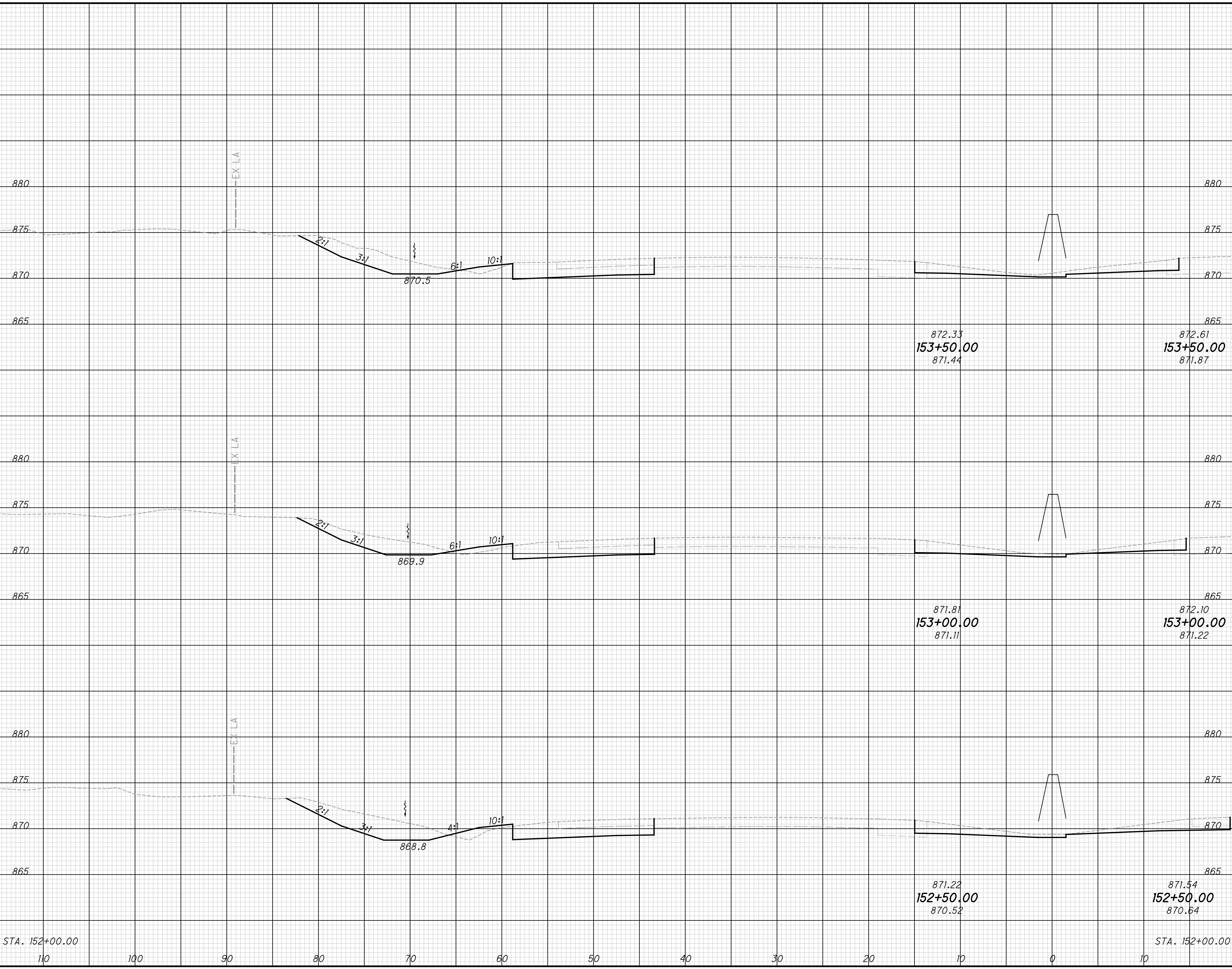
CROSS SECTIONS SR-32 LT
STA. 151+00.00 TO STA. 152+00.00
CLE-32-2.65 (PHASE 7)

CALCULATED
 GAH
 CHECKED
 WAA

109
 316

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SEEDING	SO. YDS.	END WIDTH	29	161	29	158	28	154	28	56	473								
												CUT	FILL	CUT	FILL	CUT	FILL	CUT	FILL
			110	100	90	80	70	60	50	40	30	20	10	0	10	74	3	343	21



END AREA		VOLUME	
CUT	FILL	CUT	FILL
56	4	102	7
54	4	111	8
66	4	130	6
74	3		
		343	21

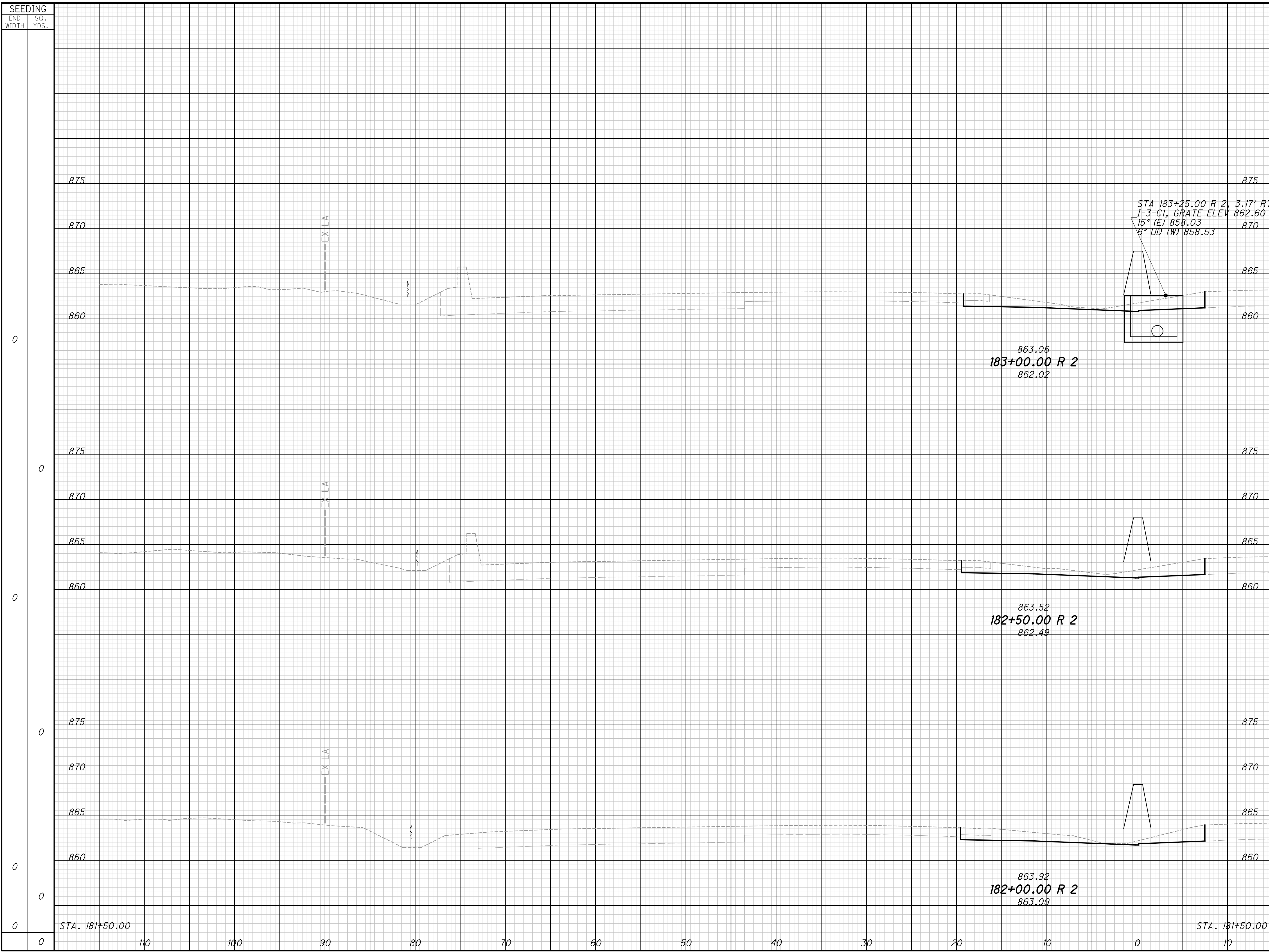
**CROSS SECTIONS SR-32 LT
STA. 152+50.00 TO STA. 153+50.00**

**CLE-32-2.65
(PHASE 7)**

CALCULATED	GAH
CHECKED	WAA

110
316

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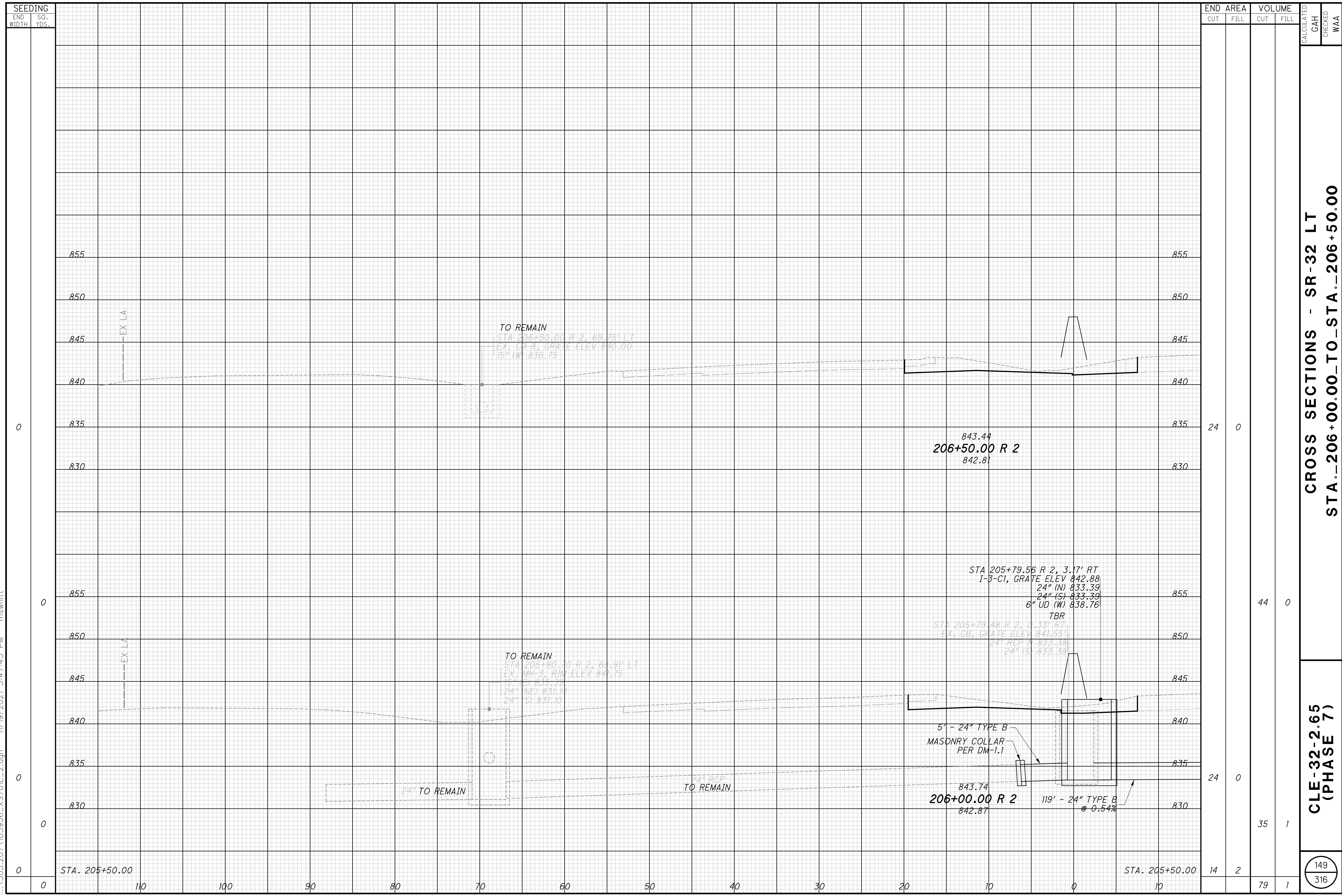
END AREA	VOLUME		CALCULATED	CHECKED
	CUT	FILL		
19	0	0		
20	0	36		
20	0	36		
18	0	35		
20	0	0		
107	0	0		

CROSS SECTIONS - SR-32 LT
STA._182+00.00_TO_STA._183+00.00

CLE-32-2.65
(PHASE 7)

130
316

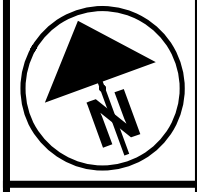
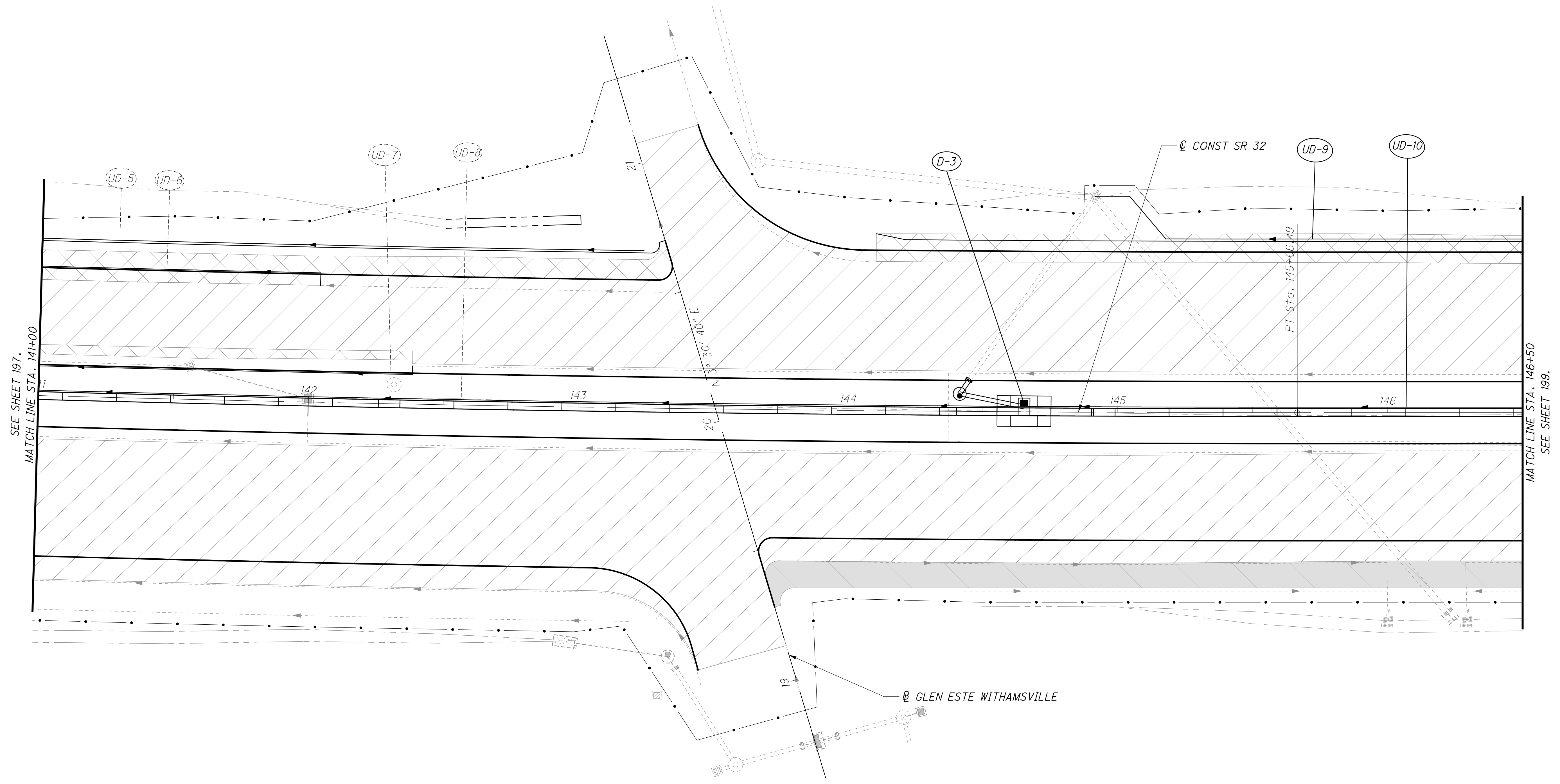
...303.207\103956_XS701L_2.dgn 11/19/2021 3:47:45 PM msw:whitt

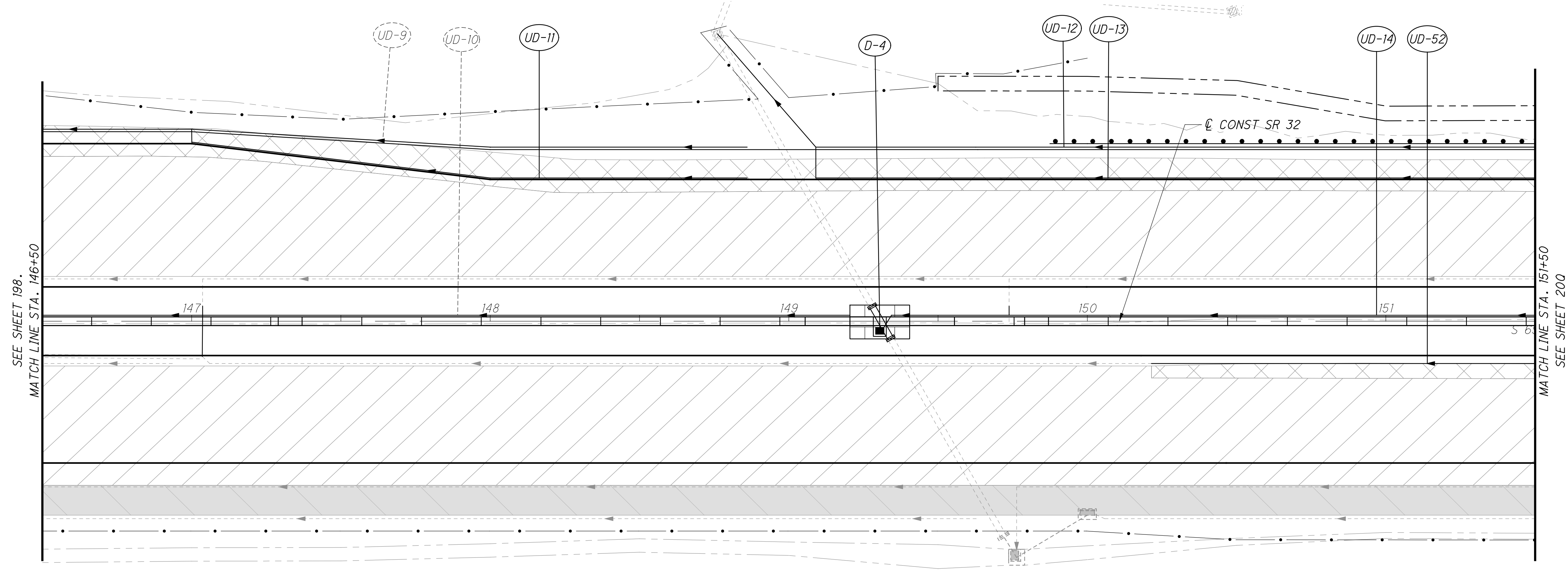


CROSS SECTIONS - SR-32 LT
STA._206+00.00_TO_STA._206+50.00

CLE-32-2.65
(PHASE 7)

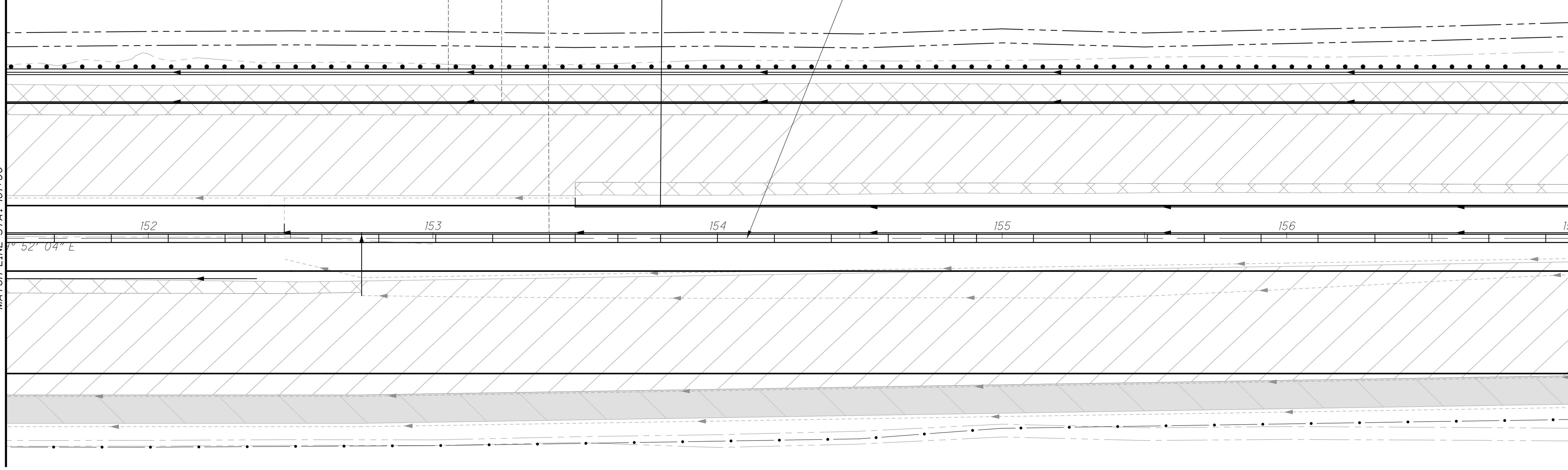
149
316





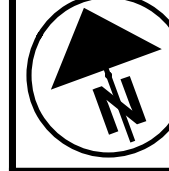
SEE SHEET 199.

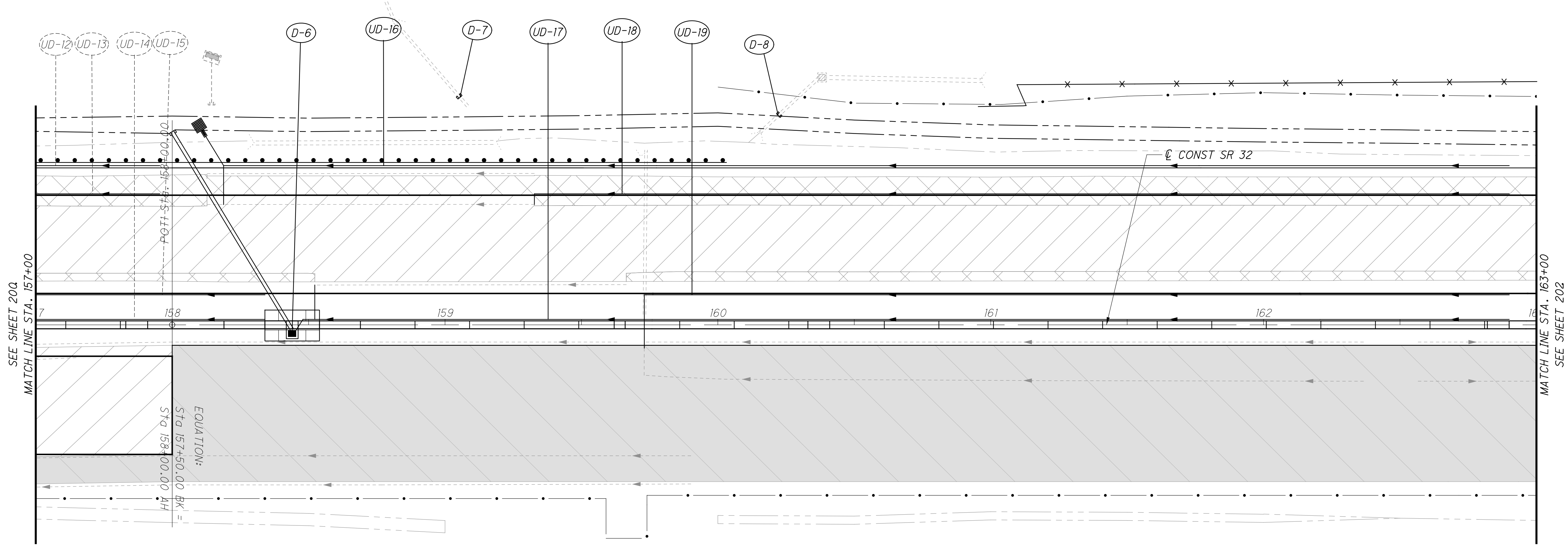
MATCH LINE STA. 151+50



MATCH LINE STA. 157+00

SEE SHEET 201.



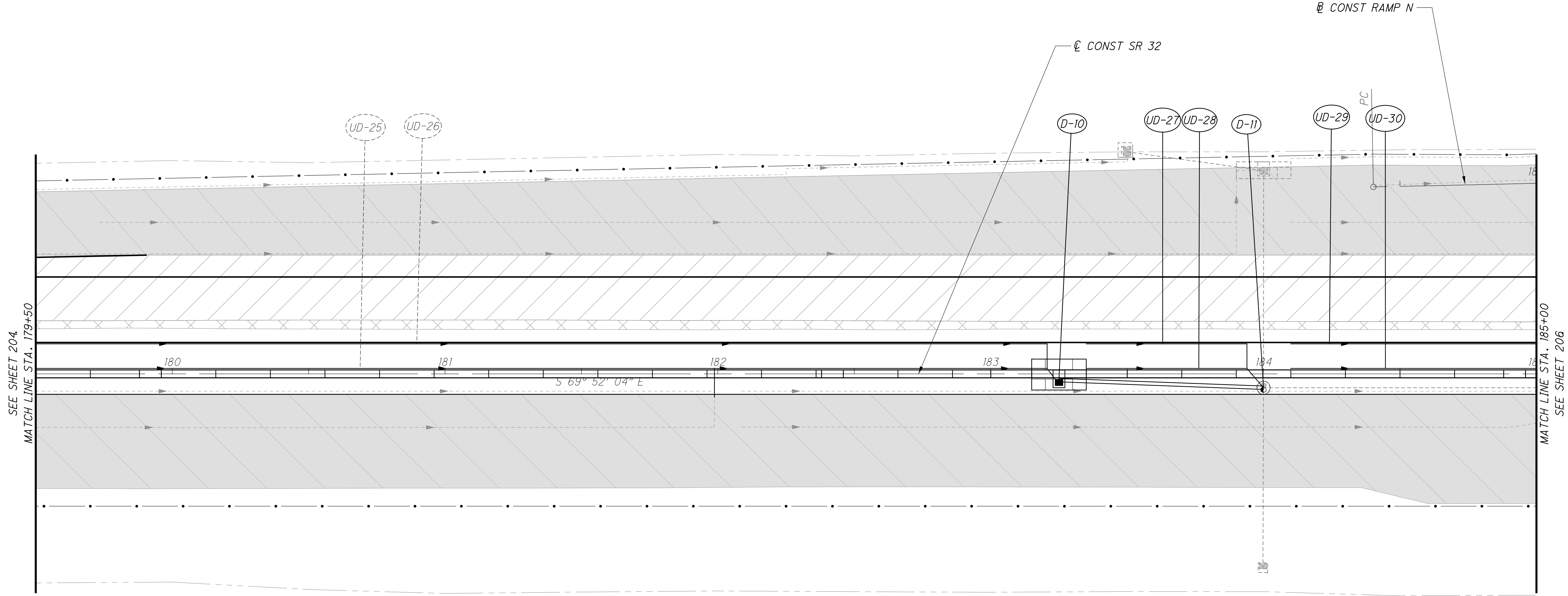


SEE SHEET 200
MATCH LINE STA. 157+00

EQUATION:
STA. 157+50.00 BK =
STA. 158+00.00 AH

MATCH LINE STA. 163+00
SEE SHEET 202

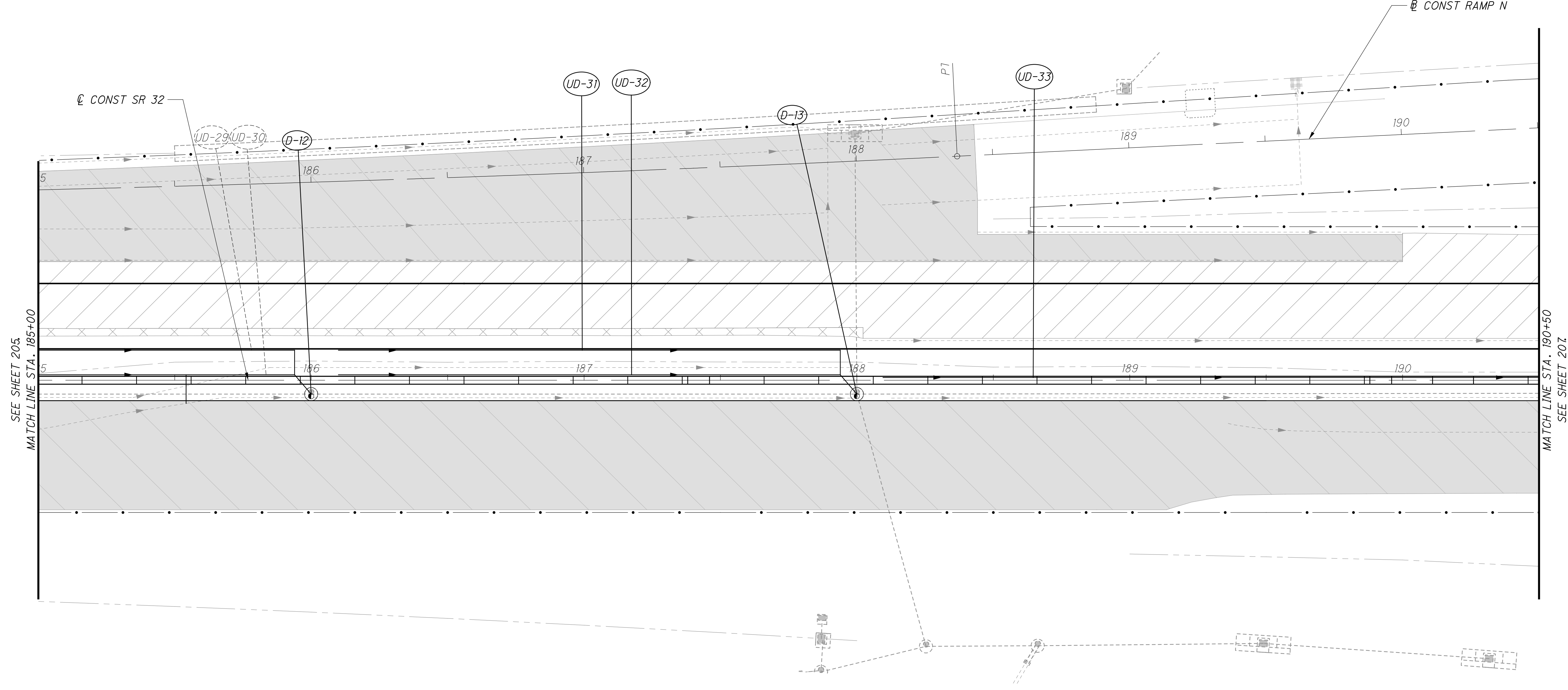


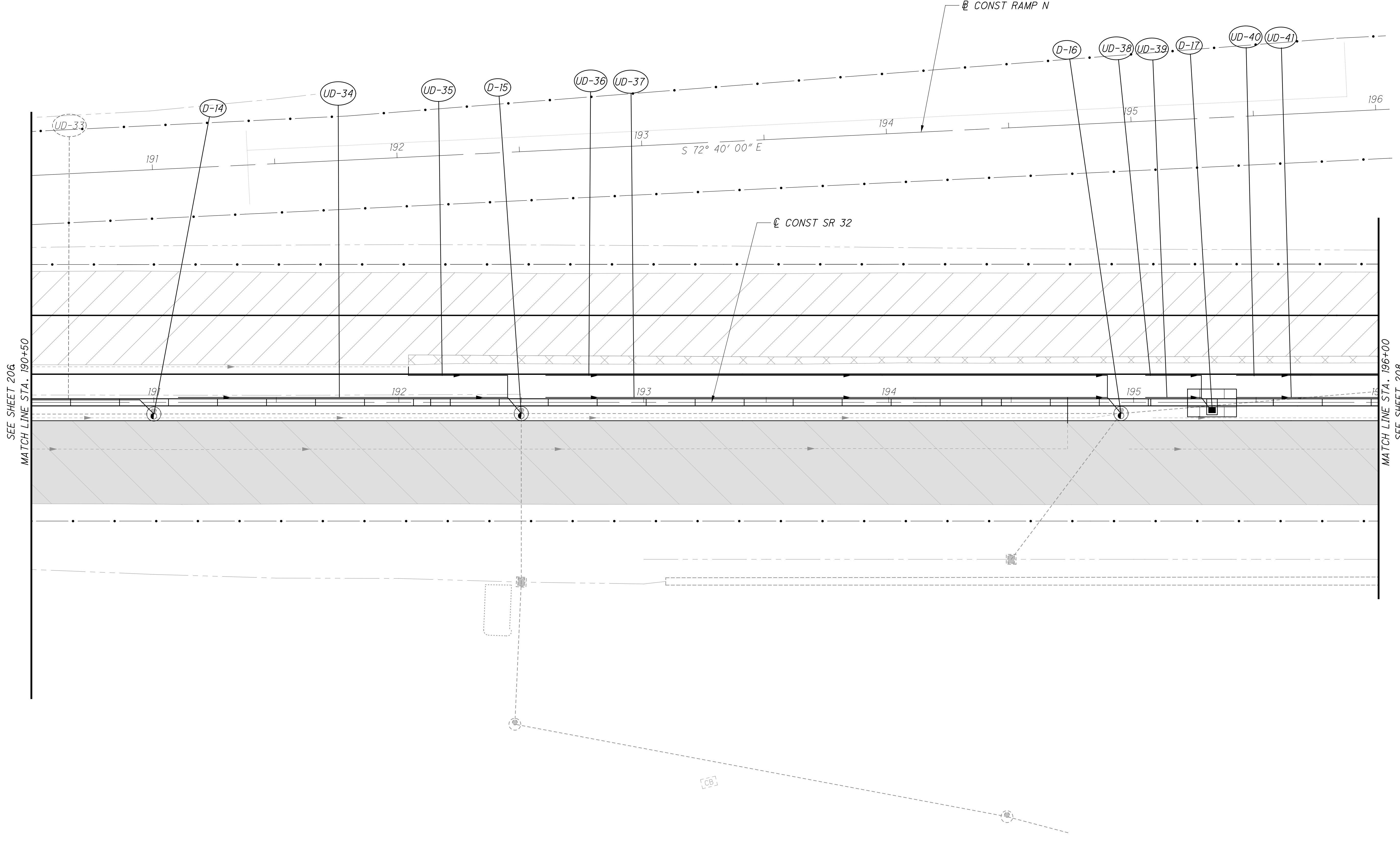


SEE SHEET 204.
MATCH LINE STA. 179+50

MATCH LINE STA. 185+00
SEE SHEET 206





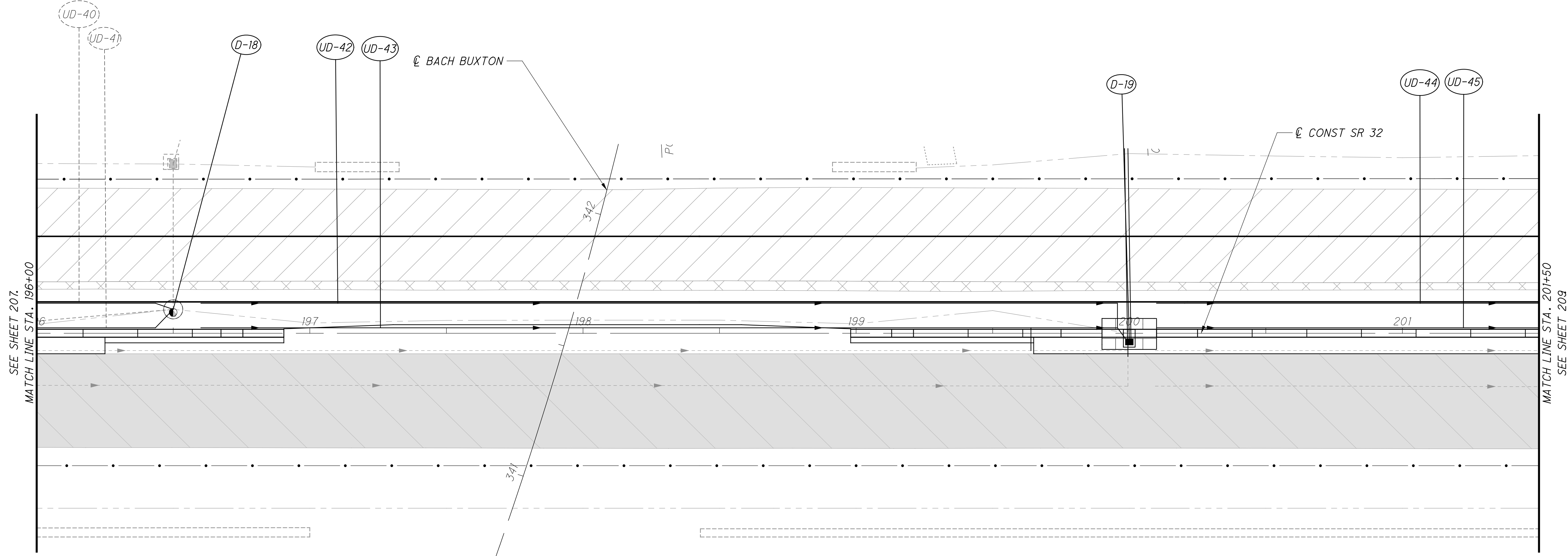


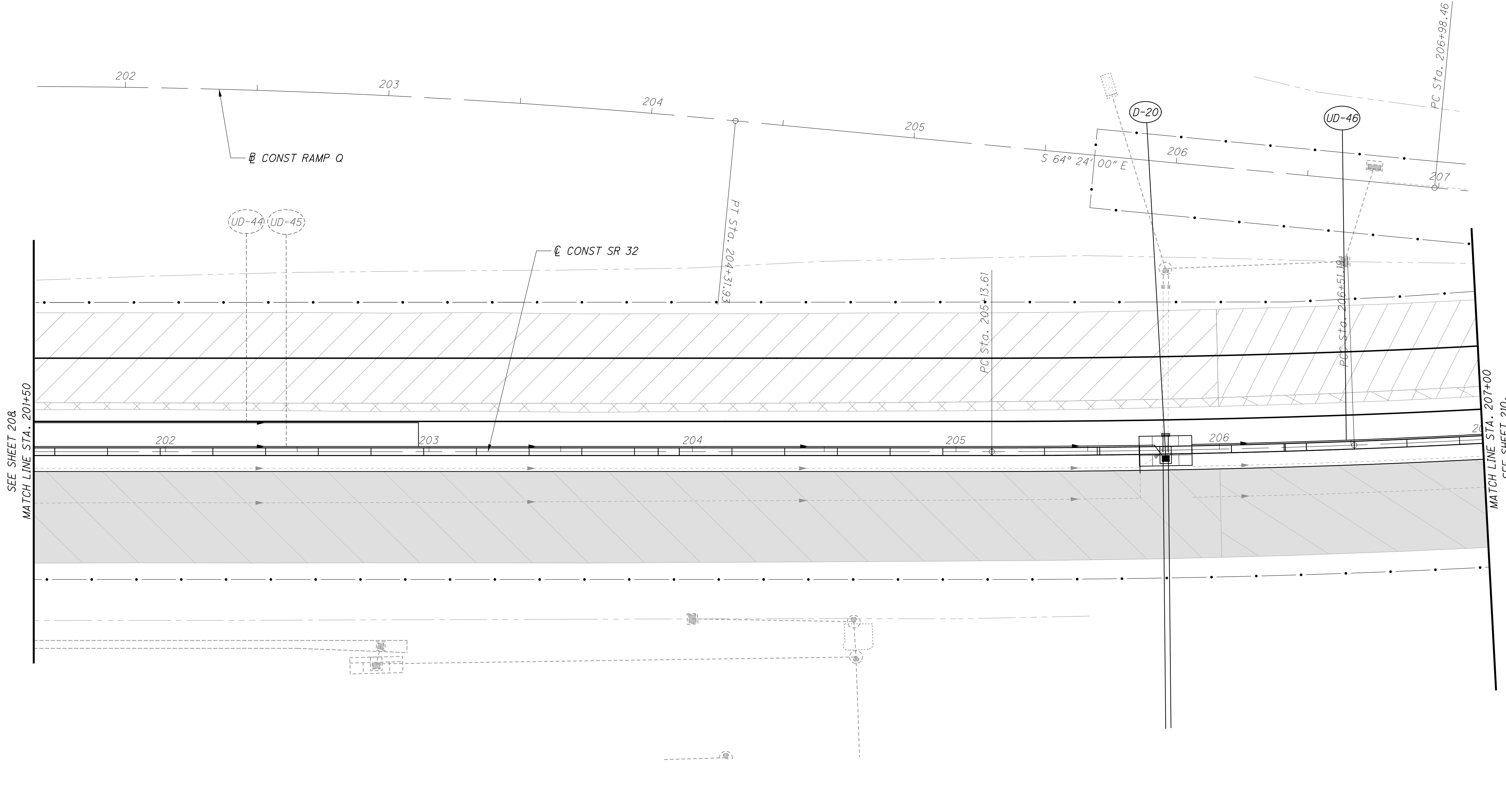
CALCULATED MHT
CHECKED WAA

0 20 40
HORIZONTAL SCALE IN FEET

DRAINAGE AND UNDERDRAIN PLAN - SR-32
STA. 190+50 TO STA. 196+00

CLE-32-2.65
(PHASE 7)





SEE SHEET 208.
MATCH LINE STA. 201+50

MATCH LINE STA. 207+00
SEE SHEET 210.

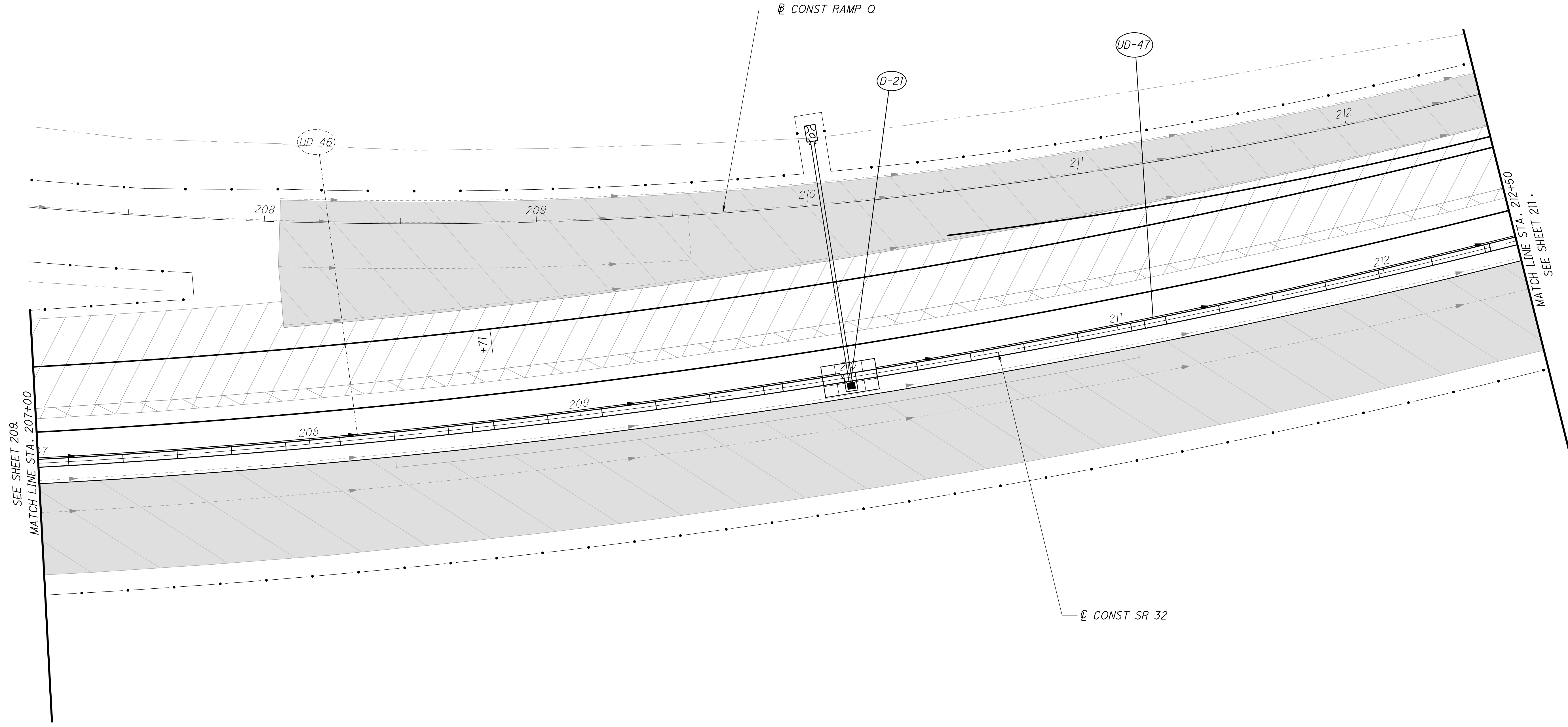
CALCULATED	MHT
CHECKED	WAA

0 20 40
HORIZONTAL
SCALE IN FEET

DRAINAGE AND UNDERDRAIN PLAN - SR-32
STA. 201+50 TO STA. 207+00

CLE-32-2.65
(PHASE 7)

...103956...DP715.dgn 11/19/2021 3:50:48 PM mswwhitt

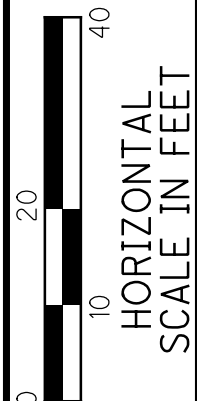


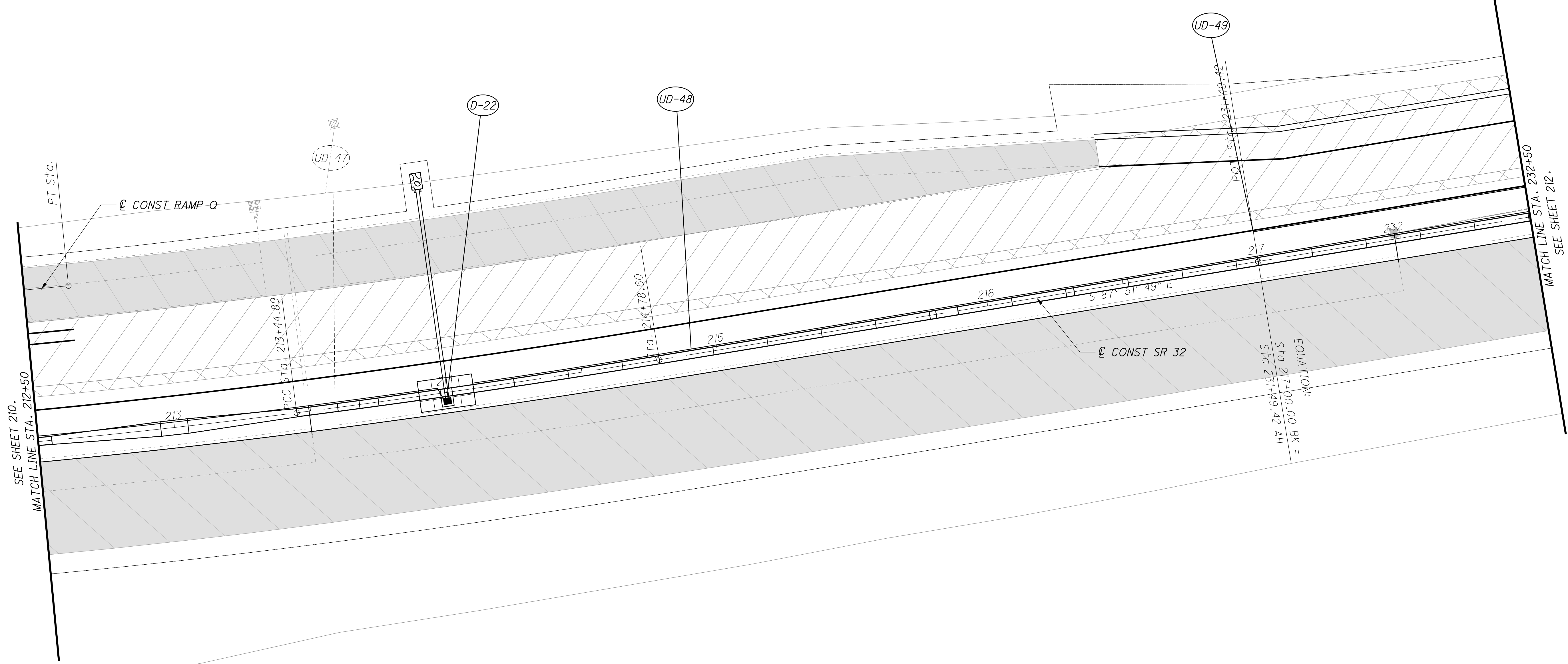
210
316

CLE-32-2.65
(PHASE 7)

DRAINAGE AND UNDERDRAIN PLAN - SR-32
STA. 207+00 TO STA. 212+50

CALCULATED MHT
CHECKED WAA

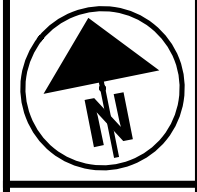


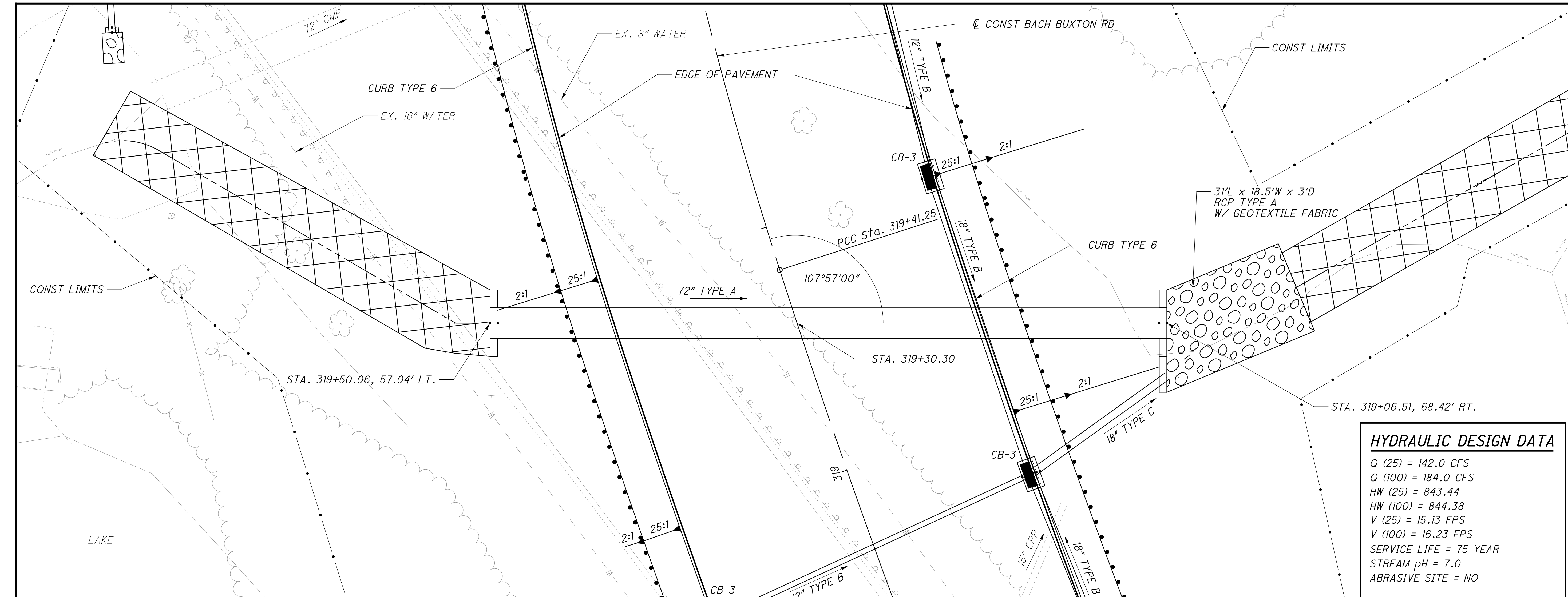


SEE SHEET 210.
MATCH LINE STA. 212+50

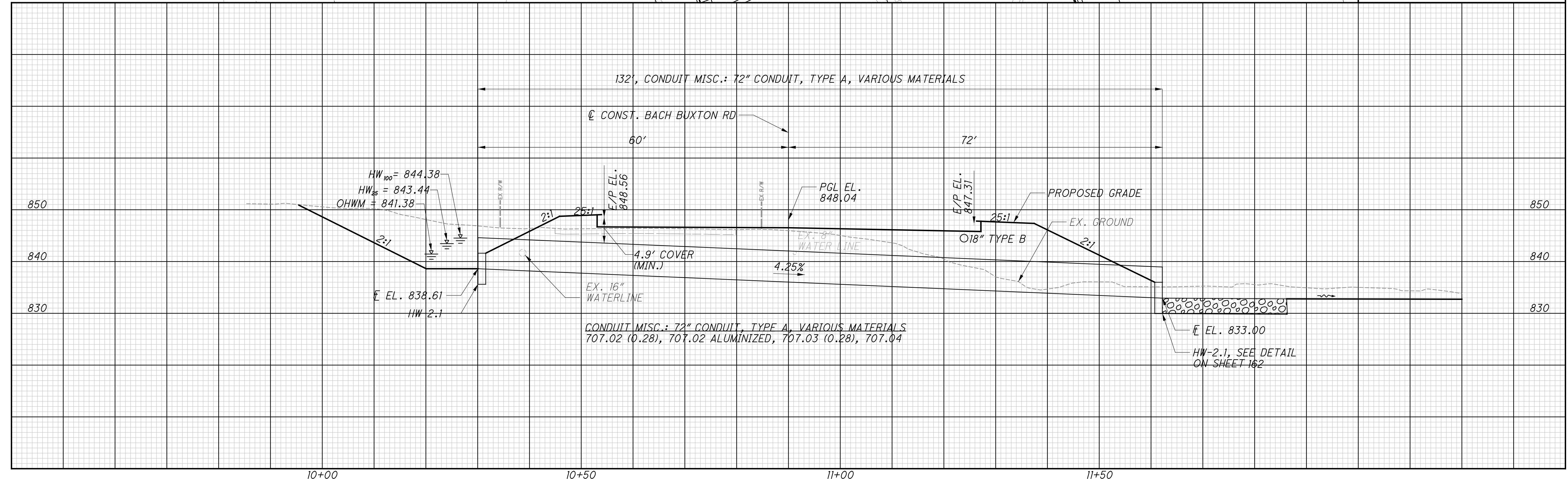
MATCH LINE STA. 232+50
SEE SHEET 212.

EQUATION:
STA 217+00.00 BK =
STA 231+49.42 AH





HYDRAULIC DESIGN DATA	
Q (25)	= 142.0 CFS
Q (100)	= 184.0 CFS
HW (25)	= 843.44
HW (100)	= 844.38
V (25)	= 15.13 FPS
V (100)	= 16.23 FPS
SERVICE LIFE	= 75 YEAR
STREAM pH	= 7.0
ABRASIVE SITE	= NO



CALCULATED MHT CHECKED WAA
CULVERT DETAILS
BACH BUXTON RD - STA. 319+30.30

CLE-CR388
(PHASE 4)

...CULVERT SHEET 11/18/2021 10:30:06 AM mhnterrell

10:39:53ms500.dgn 7/17/2021 12:13:01 PM hyatt

SHEET NO.	MOT PHASE	202	304	609	614		614	614	614	614	614	614	614	614	614	614	614	614	615	615	622		
		PAVEMENT REMOVED SY	AGGREGATE BASE CY	ASPHALT CONCRETE CURB, TYPE 1 FT	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL) EACH		WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN (ONE WAY WHITE) EACH	WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN (TWO WAY YELLOW) EACH	BARRIER REFLECTOR, TYPE 1 EACH	OBJECT MARKER, ONE WAY EACH	MAINTAINING TRAFFIC, MISC.: TEMPORARY SHEET PILING FT	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT (WHITE) MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT (SOLID, DOUBLE) MILE	WORK ZONE EDGE LINE, CLASS I, 4", 642 PAINT (WHITE) MILE	WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT FT	WORK ZONE DOTTED LINE, CLASS I, 642 PAINT FT	WORK ZONE TRANSVERSE LINE, CLASS I, 642 PAINT FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT FT		PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN SY	PORTABLE BARRIER, UNANCHORED FT	
31 - 34	PRE-PHASE 1		10		1		26	13	8	8	70	1265	1272				62	37	2952		350		
35 - 38	PHASE 1 STEP 1	58					68	34			110	1875	3870				33	43	9860	2644			
40	PHASE 1 STEP 2			25								703	950										
42 - 45	PHASE 2	48			3		54	54	44	44		178	1832	7127		108						2110	
47 - 50	PHASE 3 STEP 1				1				13	13		1342	1733		114							570	
52 - 34	PHASE 3 STEP 2											346	320									11	
53 - 56	PHASE 4 STEP 1A				2		41	41	51	51		1333	5007	108	548							21	2490
58	PHASE 4 STEP 1B								9	9													370
60 - 61	PHASE 4 STEP 2A						47	47	22	22		1120	1842									22	1050
63	PHASE 4 STEP 2B				1				4	4		609	1218										140
SUBTOTALS ALL PHASES		106	10	25	8		236	189	151	151	180	178	10425	23339	108	770	95	259	12812	2644	7080		
TOTALS CARRIED TO GENERAL SUMMARY		106	10	25	8		425	151	151	180	0.03	1.97	4.42	108	770	95	259	1424	294	7080			

NOTES: 1) THE PAVEMENT MARKINGS SHALL MATCH THE FINAL PAVEMENT MARKING LAYOUT. SEE TRAFFIC PLANS FOR DETAILS. SEE GENERAL NOTES - WORK ZONE MARKINGS AND SIGNS.

CALCULATED KSC CHECKED JLG
MAINTENANCE OF TRAFFIC SUBSUMMARY 1 / 2
CLE-CR 388 (PHASE 4)
 89
 245