[A] VARIES 0.0′ TO 14.0′±
STA 134+00.00 TO STA 134+50.00±
14.0′±
STA 134+50.00± TO STA 139+39.73

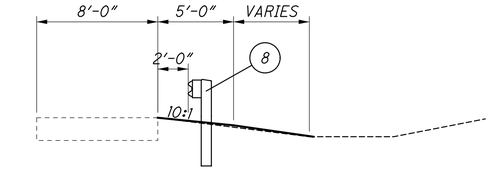
[B] VARIES 1.2′ TO 9.6′
STA 134+00.00 TO STA 135+50.00
VARIES 9.6′ TO 16.0′
STA 135+50.00 TO STA 139+39.73

[C] VARIES 10.0′ TO 4.0′
STA 134+00.00 TO STA 135+50.00
4.0′
STA 135+50.00 TO STA 139+40.00

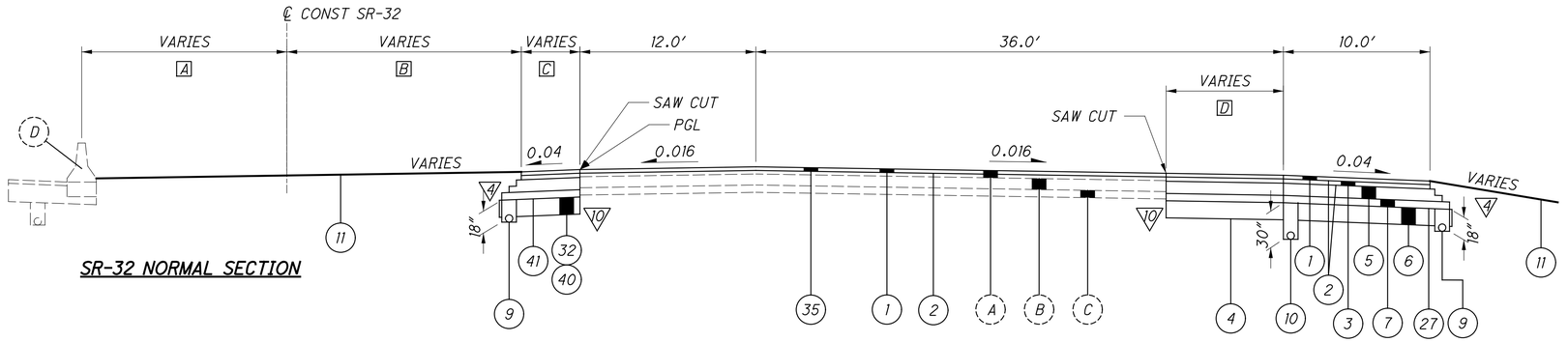
[D] VARIES 2.0′ TO 8.7′
STA 134+00.00 TO STA 136+15.63
VARIES 8.7′ TO 0.0′
STA 136+15.63 TO STA 136+54.45
0.0′
STA 136+54.45 TO STA 139+40.00

[E] WB OUTSIDE LANE FULL DEPTH REPLACEMENT SECTION APPLIES SR-32:
STA 142+03.69 TO 143+37.48
STA 143+73.43 TO 144+10.10

[F] EB OUTSIDE LANE FULL DEPTH REPLACEMENT SECTION APPLIES SR-32:
STA 143+68.34 TO 144+65.30

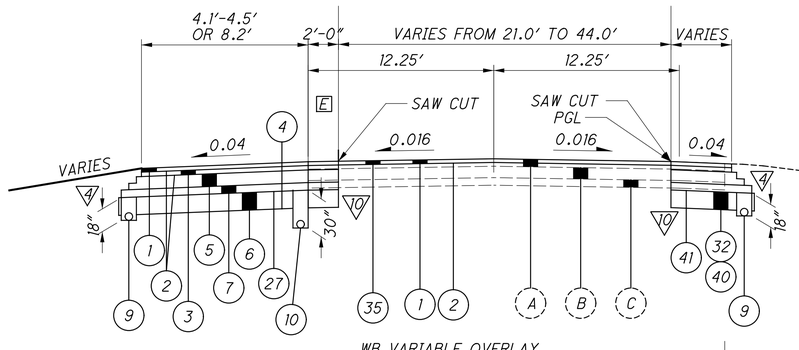


EB SR-32 OUTSIDE SHOULDER SECTION
STA 129+01.53 TO 130+64.00



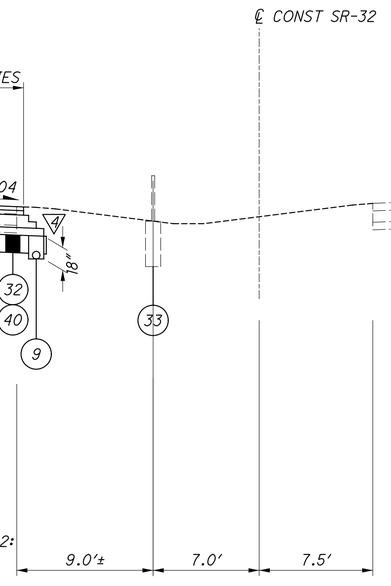
SR-32 NORMAL SECTION

STA. 134+00.00 TO STA. 139+40.00

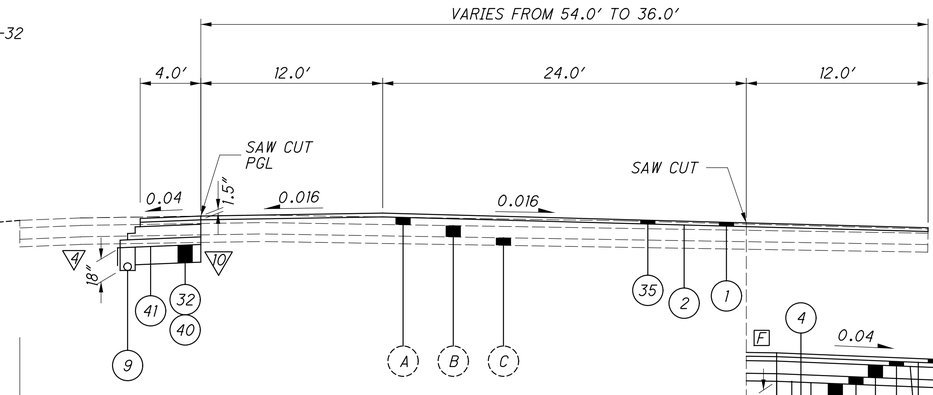


WB OUTSIDE SHOULDER REPLACEMENT
SECTION APPLIES SR-32:
STA 142+03.69 TO 143+37.48
STA 143+43.72 TO 144+10.10

WB VARIABLE OVERLAY
SECTION APPLIES SR-32:
STA 142+03.69 TO
144+10.10

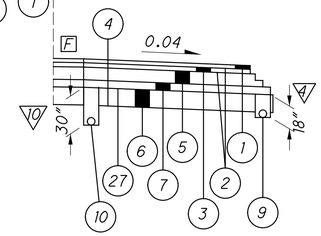


WB INSIDE SHOULDER REPLACEMENT
SECTION APPLIES SR-32:
STA 142+38.41 TO
144+10.10



EB INSIDE SHOULDER REPLACEMENT
SECTION APPLIES SR-32:
STA 143+07.52 TO 144+65.30

EB VARIABLE OVERLAY
SECTION APPLIES SR-32:
STA 143+07.52 TO 144+65.30



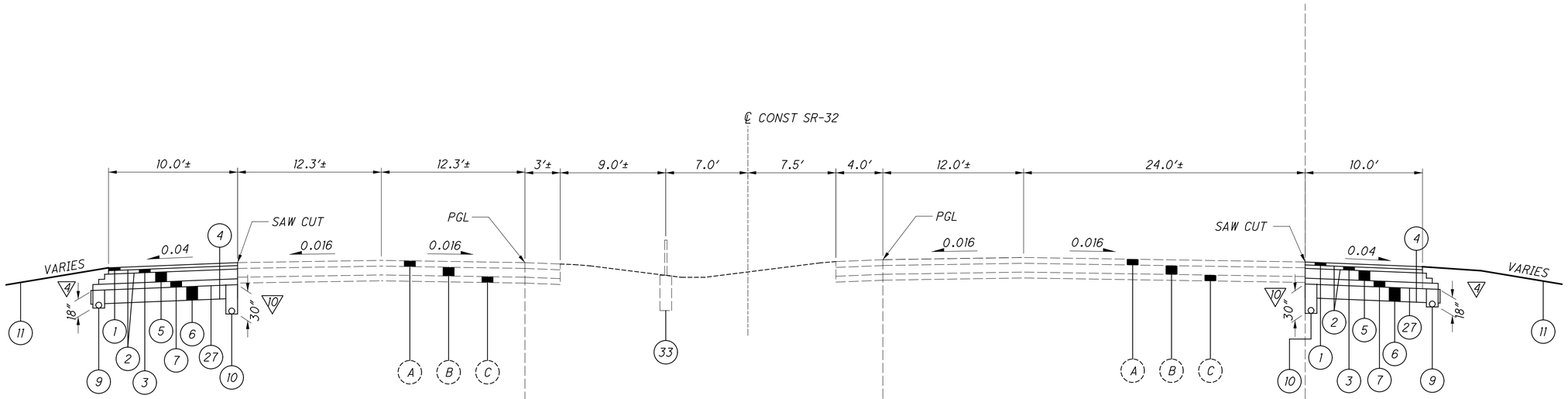
EB OUTSIDE SHOULDER REPLACEMENT
SECTION APPLIES SR-32:
STA 143+68.34 TO 144+65.30

▽ FOR PAVEMENT BUILDUP AND EDGE DETAILS, SEE SHEET 5

FOR LEGEND, SEE SHEET 5

TYPICAL SECTIONS - SR-32

CLE-32-3.50
(PHASE 5)



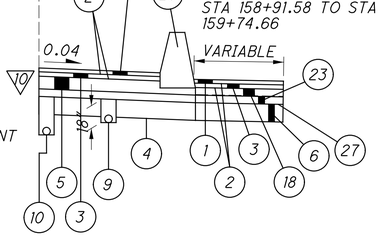
WB OUTSIDE SHOULDER REPLACEMENT SECTION APPLIES SR-32:

STA 188+44.21 TO STA 190+00.00

SR-32 NORMAL SECTION

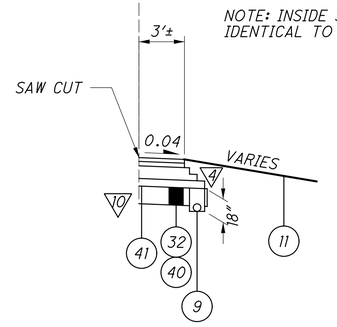
EB OUTSIDE SHOULDER REPLACEMENT SECTION APPLIES SR-32:
STA 170+73.24 TO STA 175+08.78
STA 184+72.23 TO STA 189+50.00
STA 195+99.61 TO STA 197+28.82
STA 204+50.00 TO STA 205+59.52

FAYARD TURNAROUND LOCAL PAVEMENT SECTION APPLIES SR-32:
STA 158+91.58 TO STA 159+74.66

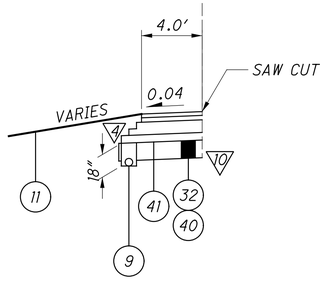


EB OUTSIDE SHOULDER REPLACEMENT SECTION APPLIES SR-32:
STA 158+71.15 TO STA 159+90.10

NOTE: INSIDE SHOULDER BUILDUP IDENTICAL TO OUTSIDE SHOULDER



WB INSIDE SHOULDER REPLACEMENT SECTION APPLIES SR-32:
STA 144+10.10 TO STA 153+50.00
STA 188+02.27 TO STA 192+03.94
STA 234+95.57 TO STA 239+21.68



EB INSIDE SHOULDER REPLACEMENT SECTION APPLIES SR-32:
STA 139+39.82 TO STA 143+07.52
STA 144+65.30 TO STA 150+21.50
STA 185+35.00 TO STA 187+50.00
STA 232+35.00 TO STA 236+42.52

▽ FOR PAVEMENT BUILDUP AND EDGE DETAILS, SEE SHEET 5

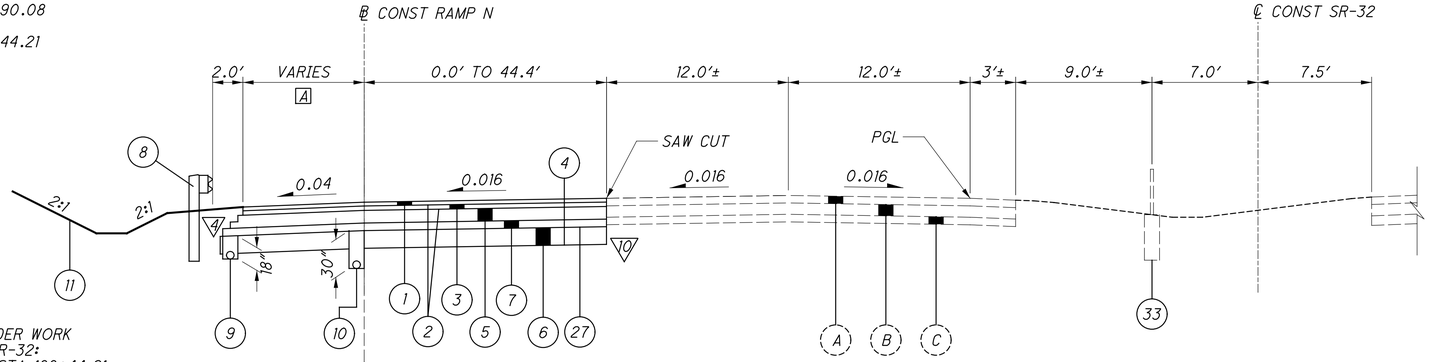
FOR LEGEND, SEE SHEET 5

TYPICAL SECTIONS - SR-32

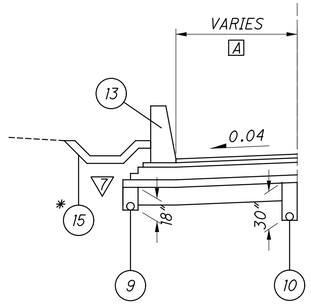
CLE-32-3.50
(PHASE 5)

8
736

[A] 8.0′
STA 174+90.33 TO STA 184+40.08
VARIES 8.0′ TO 6.0′
STA 184+40.08 TO STA 184+90.08
6.0′
STA 184+90.08 TO STA 188+44.21



WB OUTSIDE SHOULDER WORK
SECTION APPLIES SR-32:
STA 174+90.33 TO STA 188+44.21



WB OUTSIDE LANE WORK
SECTION APPLIES SR-32:
STA 171+90.25 TO STA 188+44.21

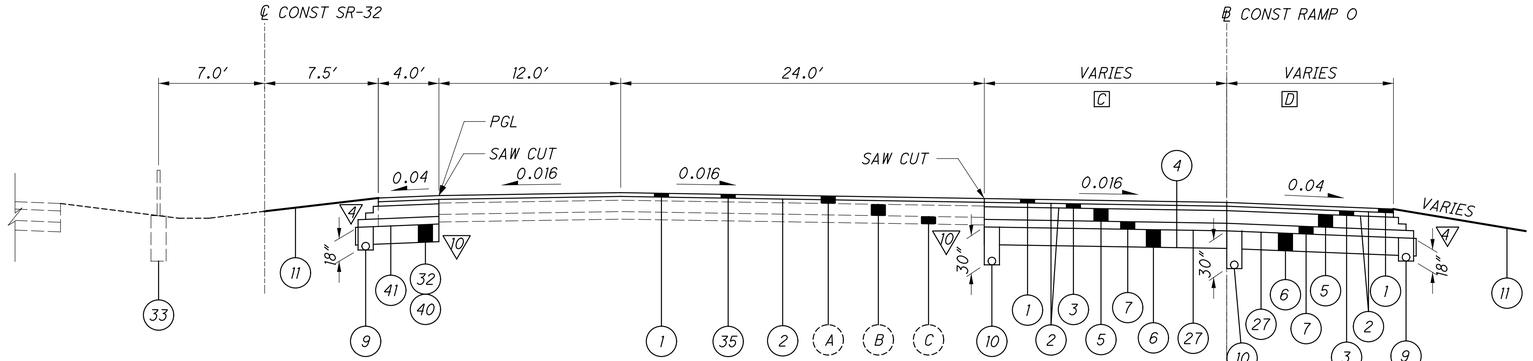
* PAVED GUTTER BEGINS
AT STA. 185+50.00

SECTION APPLIES SR-32:
STA 182+25.00 TO STA 188+44.21

SR-32 NORMAL SECTION

[C] VARIES 0.0′ TO 12.0′
STA 180+01.20 TO STA 181+01.20
VARIES 12.0′ TO 39.0′
STA 181+01.20 TO STA 188+87.92

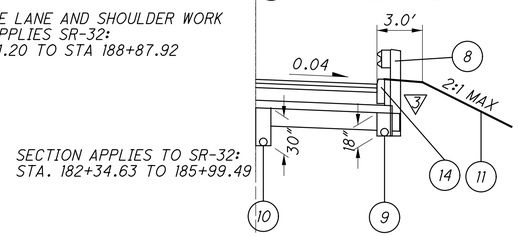
[D] VARIES 10.0′ TO 8.0′
STA 180+01.20 TO STA 181+01.20
8.0′
STA 181+01.20 TO STA 188+48.94



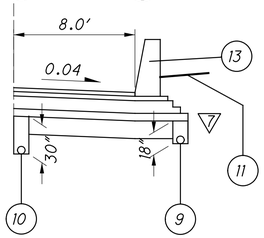
SR-32 NORMAL SECTION

EB LANES VARIABLE OVERLAY AND
OUTSIDE SHOULDER REPLACEMENT
SECTION APPLIES SR-32:
STA 187+50.00 TO STA 189+50.00

EB OUTSIDE LANE AND SHOULDER WORK
SECTION APPLIES SR-32:
STA 180+01.20 TO STA 188+87.92



SECTION APPLIES TO SR-32:
STA. 182+34.63 TO STA 185+99.49



SECTION APPLIES TO SR-32:
STA. 185+99.49 TO 188+87.92

▽ FOR PAVEMENT BUILDUP AND EDGE DETAILS, SEE SHEET 5

FOR LEGEND, SEE SHEET 5

TYPICAL SECTIONS - SR-32

CLE-32-3.50
(PHASE 5)

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

SPECTRUM (CHARTER COMMUNICATIONS)
10920 KENWOOD ROAD
BLUE ASH, OH 45242
CONTACT: JOSEPH ANGEL
PHONE: 513-233-5705
EMAIL: Joseph.Angel@charter.com
DL-Southern-Ohio-Outside-Plant@charter.com

CINCINNATI BELL
221 E. 4TH ST, BLDG 121-900
CINCINNATI, OH 45201
CONTACT: MARK CONNER
PHONE: 513-565-7043
EMAIL: mark.conner@cinbell.com

CINCINNATI BELL - AERIAL & PLACING
209 W. 7TH ST, BLDG 121-900
CINCINNATI, OH 45202
CONTACT: JASON BURNS
PHONE: 513-397-0548
EMAIL: jason.burns@cinbell.com

CLERMONT COUNTY
TRAFFIC MAINTENANCE DEPARTMENT
2381 CLERMONT CENTER DRIVE
BATAVIA, OH 45103
CONTACT: JEREMY EVANS
PHONE: 513-732-8857
EMAIL:

CLERMONT COUNTY WATER RESOURCES
4400 HASKELL LANE
BATAVIA, OH 45103
CONTACT: TIM CHERRY
PHONE: 513-732-1320
EMAIL: tcherry@clermontcountyohio.gov

DUKE ENERGY - ELECTRIC (DISTRIBUTION)
2010 DANA AVE, RM EF324
CINCINNATI, OH 45207
CONTACT: KEVIN GRAY
PHONE: 513-479-3500
EMAIL: kevin.gray@duke-energy.com

DUKE ENERGY - ELECTRIC (TRANSMISSION)
139 E. 4TH ST, RM 552A
CINCINNATI, OH 45202
CONTACT: TIM MEYER
PHONE: 513-287-1266
EMAIL: tim.meyer@duke-energy.com

DUKE ENERGY (GAS)
4612 KELLOGG AVE
CINCINNATI, OH 45226
CONTACT: ROBBIE STUMPF
PHONE: 513-979-5406
EMAIL: robert.stumpf@duke-energy.com
OH/KYhousebill@duke-energy.com

ODOT D8 TRAFFIC/SIGNALS/LIGHTING
CONTACT: MARC GRAKE
PHONE: 513-933-6607
EMAIL: marc.grake@dot.ohio.gov

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

UTILITIY NOTIFICATION

THE OHIO DEPARTMENT OF TRANSPORTATION HAS UTILITY FACILITIES (HIGHWAY LIGHTING, TRAFFIC SIGNALS, AND ITS) WITHIN THE LIMITS OF THIS PROJECT.

IN ADDITION TO THE INFORMATION OUTLINED IN THE UTILITY NOTE OF THIS CONTRACT, THE CONTRACTOR SHALL TAKE THE FOLLOWING ACTION TO PROTECT ODOT'S FACILITIES DURING CONSTRUCTION:

HIGHWAY LIGHTING AND TRAFFIC SIGNALS:

EVEN THOUGH ODOT IS LISTED AS A MEMBER OF THE OHIO UTILITIES PROTECTION SERVICE (OUPS), THE CONTRACTOR ON THIS PROJECT IS REQUIRED TO CONTACT ODOT, DISTRICT 8 TRAFFIC DEPARTMENT DIRECTLY SO THAT THE ODOT UTILITIES LOCATED WITHIN THIS PROJECT ARE MARKED. THE CONTRACTOR SHALL NOTIFY DISTRICT 8 TRAFFIC DEPARTMENT AT 513-933-6683 AND THE PROJECT ENGINEER, FOURTEEN (14) CALENDAR DAYS IN ADVANCE OF ANY WORK, FOR THE NEED TO MARK ODOT OWNED UTILITIES.

ITS:

ITS FACILITIES ARE NOT LISTED WITH OUPS, SO THE CONTRACTOR IS REQUIRED TO CONTACT ODOT CENTRAL OFFICE ITS LAB DIRECTLY SO THAT THE ODOT UTILITIES LOCATED WITHIN THIS PROJECT ARE MARKED. THE CONTRACTOR SHALL NOTIFY ODOT CENTRAL OFFICE ITS LAB AT THE CONTACT INFORMATION LISTED BELOW AND THE PROJECT ENGINEER, FOURTEEN (14) CALENDAR DAYS IN ADVANCE OF ANY WORK FOR THE NEED TO MARK ODOT OWNED UTILITIES.

CENTRAL OFFICE ITS LAB
PHONE: 614-387-4113 (ITS LOCATES)
FAX: 614-887-4134
EMAIL: CEN.ITS.lab@dot.ohio.gov

THE ABOVE REQUIREMENTS ARE IN ADDITION TO SECTION 105.07 & 107.16 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS AND THE UTILITY PROPOSAL NOTE.

THE CONTRACTOR SHALL NOTIFY OTHER UTILITIES THROUGH OUPS OR DIRECTLY A MINIMUM OF FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY WORK.

THE COST FOR THE ABOVE DESCRIBED WORK IS INCIDENTAL TO THE OVERALL BID PRICE OF THE PROJECT.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 2 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: STATIC GNSS
MONUMENT TYPE: TYPE A

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD 88
GEOID: GEOID 12A

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD 83 (2011) (EPOCH:2010.0000)
ELLIPSOID: GRS 80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE - SOUTH ZONE
COMBINED SCALE FACTOR: 1.00008688
ORIGIN OF COORDINATE SYSTEM: 0,0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS EVEN THOUGH OTHERWISE SHOWN.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

CLEARING AND GRUBBING

THE DEPARTMENT HAS NOT MARKED INDIVIDUAL TREES AND STUMPS FOR REMOVAL. UNLESS SPECIFICALLY DESIGNATED AS "DO NOT DISTURB" IN THE PLANS, REMOVE ALL TREES AND STUMPS WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201 CLEARING AND GRUBBING.

AT APPROXIMATELY STATION 345+00 TO 346+00 ON BACH BUXTON ROAD, THERE IS A PILE OF DEBRIS (APPROXIMATELY 8500 CY). THE CONTENTS OF THIS DEBRIS IS UNKNOWN AND MAY CONTAIN HAZERDOUS MATERIALS. THE REMOVAL, TREATMENT AND PROPER DISPOSAL OF THIS DEBRIS SHALL BE INCIDENTAL TO THE COST OF THE ITEM 201 CLEARING AND GRUBBING.

AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF A PUBLIC USE AIRPORT OR HELIPORT. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT AT MAXIMUM OPERATING HEIGHT SHALL EXCEED A HEIGHT OF 87.4 FT. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, FURTHER COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA), AND ODOT OFFICE OF AVIATION, WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT FORM 7460-1 TO THE FAA. NOTIFY THE ODOT OFFICE OF AVIATION WHEN SUBMITTING AN FAA FORM 7460-1.

NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT, UNTIL A COPY OF THE FAA APPROVAL AND ODOT OFFICE OF AVIATION PERMIT HAS BEEN FURNISHED TO THE PROJECT ENGINEER.

EXPRESS PROCESSING CENTER
THE FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGIONAL OFFICE
AIR TRAFFIC AIRSPACE BRANCH ASW-520
2601 MEACHAN BLVD.
FORT WORTH, TX 76137-4298

OHIO DEPARTMENT OF TRANSPORTATION
OFFICE OF AVIATION
2829 WEST DUBLIN-GRANVILLE ROAD
COLUMBUS, OHIO 43235
614-387-2346

ENVIRONMENTAL COMMITMENTS:

THE PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING THE DISCOVERY OF DEAD, INJURED, OR SICK INDIANA OR NORTHERN LONG-EARED BAT SPECIES. PARTIES FINDING A DEAD, INJURED OR SICK SPECIES SHALL PROMPTLY NOTIFY ODOT DISTRICT 8 ENVIRONMENTAL STAFF, WHO SHALL BE RESPONSIBLE FOR CONTACTING THE USFWS OFFICE OF ECOLOGICAL SERVICES OFFICE AT (614) 416-8993. ALL PARTIES ARE RESPONSIBLE FOR ENSURING THAT ANY EVIDENCE ABOUT DETERMINING THE CAUSE OF DEATH OR INJURY IS NOT UNNECESSARILY DISTURBED. REPORTING THE DISCOVERY OF DEAD, INJURED OR SICK SPECIES IS REQUIRED IN ALL CASES TO ENABLE USFWS TO DETERMINE WHETHER THE LEVEL OF INCIDENTAL TAKE EXEMPTED BY THE PBO IS EXCEEDED AND TO ENSURE THE TERMS ARE APPROPRIATE AND EFFECTIVE. AT THE PRE-CONSTRUCTION MEETING, THE CONTRACTOR SHALL BE PROVIDED WITH A SPECIFIC DESCRIPTION AND VISUAL ILLUSTRATION OF SPECIES THAT MAY BE ENCOUNTERED DURING CONSTRUCTION.

CALCULATED MSW CHECKED WAA

GENERAL NOTES

CLE-32-3.50 (PHASE 5)

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, COMMERICAL 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 29 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.

CONSTRICT 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)

SHEET NUM.												PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
26	27	29	139	145	146	147	158	159				01/NHS/ OT	04/NHS/ BR						
																		ROADWAY	
LS												LS		201	11000	LS		CLEARING AND GRUBBING	
			1									1		202	20010	1	EACH	HEADWALL REMOVED	
	1,846		48,631									50,477		202	23000	50,477	SY	PAVEMENT REMOVED	
			997									997		202	30000	997	SF	WALK REMOVED	
			769									769		202	30700	769	FT	CONCRETE BARRIER REMOVED	
			2,508									2,508		202	32000	2,508	FT	CURB REMOVED	
			2,131									2,131		202	32500	2,131	FT	CURB AND GUTTER REMOVED	
			1,735									1,735		202	35100	1,735	FT	PIPE REMOVED, 24" AND UNDER	
			1,030									1,030		202	38000	1,030	FT	GUARDRAIL REMOVED	
			116									116		202	38300	116	FT	GUARDRAIL REMOVED, BARRIER DESIGN	
			3									3		202	53100	3	EACH	MAILBOX REMOVED	
			3									3		202	58000	3	EACH	MANHOLE REMOVED	
			20									20		202	58100	20	EACH	CATCH BASIN REMOVED	
		7										7		202	67000	7	EACH	REGULATED UNDERGROUND STORAGE TANK REMOVED	
			6,592									6,592		202	75000	6,592	FT	FENCE REMOVED	
			4									4		202	75250	4	EACH	GATE REMOVED	
			1									1		202	98100	1	EACH	REMOVAL MISC.: BILLBOARD	29
			36									36		202	98100	36	EACH	REMOVAL MISC.: COMMERCIAL LIGHTING	29
			23									23		202	98200	23	FT	REMOVAL MISC.: STONE WALL	29
						14,045	12,253					26,298		203	10000	26,298	CY	EXCAVATION	
						159,948						159,948		203	20000	159,948	CY	EMBANKMENT	
						8,605						8,605		203	20001	8,605	CY	EMBANKMENT, AS PER PLAN	27
								7,374				7,374		204	10000	7,374	SY	SUBGRADE COMPACTION	
								1,021				1,021		204	13000	1,021	CY	EXCAVATION OF SUBGRADE, 12" DEEP	
								1,021				1,021		204	30010	1,021	CY	GRANULAR MATERIAL, TYPE B	
	29											29		204	45000	29	HOUR	PROOF ROLLING	
								3,062				3,062		204	50000	3,062	SY	GEOTEXTILE FABRIC	
								51,470				51,470		206	10010	51,470	SY	LIME STABILIZED SUBGRADE, 12 INCHES DEEP	
								1,332				1,332		206	10300	1,332	TON	LIME	
								51,681				51,681		206	11000	51,681	SY	CURING COAT	
								LS				LS		206	30001	LS		MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS, AS PER PLAN	27
				8,941								8,941		606	15050	8,941	FT	GUARDRAIL, TYPE MGS	
				10								10		606	26150	10	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	
				8								8		606	26550	8	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
				8								8		606	35002	8	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
				5								5		606	35102	5	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	
				7,877								7,877		607	23000	7,877	FT	FENCE, TYPE CLT	
				1								1		607	61200	1	EACH	GATE, TYPE CLT	
				7,877								7,877		607	70000	7,877	FT	FENCELINE SEEDING AND MULCHING	
				403								403		608	52000	403	SF	CURB RAMP	
					53							53		622	10120	53	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE C	
					208							208		622	10140	208	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE C1	
					3,314							3,314		622	10160	3,314	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D	
					1,403							1,403		622	10161	1,403	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN	10
					2							2		622	24840	2	EACH	CONCRETE BARRIER END SECTION, TYPE B	
					12							12		622	25000	12	EACH	CONCRETE BARRIER END SECTION, TYPE D	
					1							1		622	25009	1	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C, AS PER PLAN	432
					19							19		622	25050	19	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D	
					1							1		622	25051	1	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D, AS PER PLAN A	433
					1							1		622	25051	1	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D, AS PER PLAN B	434
		1,692										1,692		SPECIAL	69065010	1,692	TON	WORK INVOLVING SOLID WASTE	29
		846										846		SPECIAL	69065016	846	TON	WORK INVOLVING PETROLEUM CONTAMINATED SOIL	29
		2,000										2,000		SPECIAL	69065020	2,000	GAL	WORK INVOLVING WATER	29
		2,000										2,000		SPECIAL	69065024	2,000	GAL	WORK INVOLVING REGULATED WATER	29
						18						18		840	23000	18	CY	SELECT GRANULAR BACKFILL	

CALCULATED MSW
CHECKED WAA

GENERAL SUMMARY

CLE-32-3.50
(PHASE 5)

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						
																		EROSION CONTROL	
	8		12									20		601	21050	20	SY	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	
																		DRAINAGE	
		2.1		1.2								3.3		602	20000	3.3	CY	CONCRETE MASONRY	
			19,741									19,741		605	11110	19,741	FT	6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	
	200											200		605	13300	200	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	
			13,597									13,597		605	14020	13,597	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	
		1,028										1,028		611	05900	1,028	FT	15" CONDUIT, TYPE B	
		141										141		611	06100	141	FT	15" CONDUIT, TYPE C	
		618										618		611	06100	618	FT	15" CONDUIT, TYPE C, TYPE C, 706.02, JOINTS PER 706.11	
		43										43		611	06700	43	FT	15" CONDUIT, TYPE F, 707.05 TYPE C OR 707.21	
		196										196		611	07400	196	FT	18" CONDUIT, TYPE B	
		460										460		611	07600	460	FT	18" CONDUIT, TYPE C	
		673										673		611	10400	673	FT	24" CONDUIT, TYPE B	
		40										40		611	10600	40	FT	24" CONDUIT, TYPE C	
				40								40		611	13600	40	FT	30" CONDUIT, TYPE C	
		450										450		611	16400	450	FT	36" CONDUIT, TYPE B	
		559										559		611	19400	559	FT	42" CONDUIT, TYPE B	
		276										276		611	20900	276	FT	48" CONDUIT, TYPE B	
		141										141		611	96600	141	FT	CONDUIT, BORED OR JACKED: 15" TYPE B	
		69										69		611	96600	69	FT	CONDUIT, BORED OR JACKED: 18" TYPE B	
		272										272		611	96600	272	FT	CONDUIT, BORED OR JACKED: 24" TYPE B	
		55										55		611	96600	55	FT	CONDUIT, BORED OR JACKED: 42" TYPE B	
		3										3		611	98150	3	EACH	CATCH BASIN, NO. 3	
		4										4		611	98151	4	EACH	CATCH BASIN, NO. 3, AS PER PLAN	467
		16										16		611	98180	16	EACH	CATCH BASIN, NO. 3A	
		1										1		611	98181	1	EACH	CATCH BASIN, NO. 3A, AS PER PLAN	467
		6										6		611	98410	6	EACH	CATCH BASIN, NO. 8	
		5										5		611	98434	5	EACH	CATCH BASIN, NO. 8A	
		6										6		611	98470	6	EACH	CATCH BASIN, NO. 2-2B	
		1										1		611	98630	1	EACH	CATCH BASIN ADJUSTED TO GRADE	
		8										8		611	99114	8	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D	
		20										20		611	99574	20	EACH	MANHOLE, NO. 3	
		2										2		611	99654	2	EACH	MANHOLE ADJUSTED TO GRADE	
	4		6									10		611	99710	10	EACH	PRECAST REINFORCED CONCRETE OUTLET	
				1								1		611	99854	1	EACH	WATER QUALITY BASIN, DETENTION	
				1								1		611	99855	1	EACH	WATER QUALITY BASIN, DETENTION, AS PER PLAN	465

CALCULATED MSW
CHECKED WAA

GENERAL SUMMARY

CLE-32-3.50
(PHASE 5)

129
736

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SHEET NUM.												PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
27	29	145	159	165	166	573						01/NHS/ OT	04/NHS/ BR						
																		PAVEMENT	
			8,369									8,369		254	01000	8,369	SY	PAVEMENT PLANING, ASPHALT CONCRETE (1.5" DEPTH)	
			4,919									4,919		254	01000	4,919	SY	PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH VARIES, 1.5" MAX)	
308			8,688									8,996		302	46000	8,996	CY	ASPHALT CONCRETE BASE, PG64-22	
			12,064									12,064		304	20000	12,064	CY	AGGREGATE BASE	
			6,987									6,987		407	20000	6,987	GAL	NON-TRACKING TACK COAT	
			32									32		441	50000	32	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
			44									44		441	50300	44	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	
			702									702		442	00100	702	CY	ANTI-SEGREGATION EQUIPMENT	
77			2,121									2,198		442	10000	2,198	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	
72			1,845									1,917		442	10100	1,917	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	
			380									380		452	09010	380	SY	4" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
			14,343									14,343		452	14110	14,343	SY	11" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
		87										87		609	12000	87	FT	COMBINATION CURB AND GUTTER, TYPE 2	
		403										403		609	24510	403	FT	CURB, TYPE 4-C	
		4,068										4,068		609	26000	4,068	FT	CURB, TYPE 6	
		1,367										1,367		609	98000	1,367	FT	CURB, MISC.: CLERMONT COUNTY C&G	470
																		WATER WORK	
				3								3		202	75610	3	EACH	VALVE BOX REMOVED	
				3.2								3.2		602	98200	3.2	CY	MASONRY, MISC.:CONCRETE ENCASEMENT (CCWRD ITEM 1170)	473
				2								2		638	08706	2	EACH	8" CUTTING-IN SLEEVE	
				3								3		638	10800	3	EACH	VALVE BOX ADJUSTED TO GRADE	
				287								287		638	98600	287	FT	WATER WORK, MISC.:8" DUCTILE IRON WATER MAIN AND DUCTILE IRON FITTINGS (CCWRD ITEM 2110)	471
																		SANITARY SEWER	
					5							5		202	58700	5	EACH	MANHOLE ABANDONED	
					672							672		611	01800	672	FT	8" CONDUIT, TYPE B, SDR-26 (CCWRD 3110)	
					125							125		611	01800	125	FT	8" CONDUIT, TYPE B, SDR-35 (CCWRD 3110)	
					5							5		611	99575	5	EACH	MANHOLE, NO. 3, AS PER PLAN	472
					4							4		611	99654	4	EACH	MANHOLE ADJUSTED TO GRADE	
																		LIGHTING	
						40						40		625	00450	40	EACH	CONNECTION, FUSED PULL APART	
						42						42		625	00480	42	EACH	CONNECTION, UNFUSED PERMANENT	
						20						20		625	10481	20	EACH	LIGHT POLE, DECORATIVE, AS PER PLAN	571
						20						20		625	14001	20	EACH	LIGHT POLE FOUNDATION, 24" X 6' DEEP, AS PER PLAN	570
						1,650						1,650		625	23200	1,650	FT	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE	
						7,881						7,881		625	23304	7,881	FT	NO. 8 AWG 600 VOLT DISTRIBUTION CABLE	
						800						800		625	23400	800	FT	NO. 10 AWG POLE AND BRACKET CABLE	
						1,963						1,963		625	25304	1,963	FT	CONDUIT, 1-1/2", 725.051	
						347						347		625	25504	347	FT	CONDUIT, 3", 725.051	
						375						375		625	25902	375	FT	CONDUIT, JACKED OR DRILLED, 725.04, 3"	
						4						4		625	27503	4	EACH	LUMINAIRE, UNDERPASS, SOLID STATE (LED), AS PER PLAN, 240 VOLT	571
						20						20		625	27551	20	EACH	LUMINAIRE, DECORATIVE, AS PER PLAN, 150W HPS, 240 VOLT	571
						2,042						2,042		625	29000	2,042	FT	TRENCH	
						2						2		625	29920	2	EACH	STRUCTURE JUNCTION BOX	
						3						3		625	29930	3	EACH	MEDIAN JUNCTION BOX	
						6						6		625	30700	6	EACH	PULL BOX, 725.08, 18"	
						3						3		625	30706	3	EACH	PULL BOX, 725.08, 24"	
						20						20		625	32000	20	EACH	GROUND ROD	
						1						1		625	33000	1	EACH	STRUCTURE GROUNDING SYSTEM	
						1						1		625	34001	1	EACH	POWER SERVICE, AS PER PLAN	570
						2,042						2,042		625	36010	2,042	FT	UNDERGROUND WARNING/MARKING TAPE	
						LS						LS		625	37000	LS		SERVICE TO UNDERPASS LIGHTING	

CALCULATED MSW CHECKED WAA

GENERAL SUMMARY

CLE-32-3.50 (PHASE 5)

130 736

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SHEET NUM.												PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
487	488	501	502	503								01/NHS/OT	04/NHS/BR						
																		TRAFFIC CONTROL	
				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, 1WAY	
		111										111		626	00110	111	EACH	BARRIER REFLECTOR, TYPE 2, 1WAY	
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	
160												160		630	08210	160	FT	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									308		644	30000	308	FT	REMOVAL OF PAVEMENT MARKING	
			2									2		644	30020	2	EACH	REMOVAL OF PAVEMENT MARKING	
			0.1									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	

CALCULATED MSW
CHECKED WAA

GENERAL SUMMARY

CLE-32-3.50
(PHASE 5)

131
736

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SHEET NO.	REFERENCE NO.	ALIGNMENT	STATION FROM	STATION TO	SIDE	606 GUARDRAIL, TYPE MGS FT	606 ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016) EACH	606 ANCHOR ASSEMBLY, MGS TYPE T EACH	606 MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1 EACH	606 MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2 EACH				607 FENCE, TYPE CLT FT	607 GATE, TYPE CLT EACH	607 FENCELINE SEEDING AND MULCHING FT	608 CURB RAMP SF	609 COMBINATION CURB AND GUTTER, TYPE 2 FT	609 CURB, TYPE 4C FT	609 CURB, TYPE 6 FT	609 CURB, MISC.: CLERMONT COUNTY CURB AND GUTTER FT
171	G-1	SR-32	129+01.53	130+64.00	RT	100.0	1	1													
172	G-3	SR-32	144+07.97	144+57.77	RT		1														
173	G-5	SR-32	157+27.51	158+77.43	RT	25.0	1		1										18.1		
173	G-6	SR-32	159+87.62	160+37.54	RT	50.0				1											
174	G-8	SR-32	170+73.25	174+10.75	RT	325.0		1													
175	G-10	SR-32	180+27.12	182+27.04	LT	187.5		1		1											
176	G-12	SR-32	190+21.70	196+96.70	LT	662.5		1		1											
176	G-13	SR-32	199+85.31	202+22.81	LT	162.5	1		1												
176	G-14	SR-32	190+52.81	192+89.60	RT	162.5	1		1												
176	B-7	SR-32	196+90.50	199+98.00	℄																
177	G-16	SR-32	209+64.58	236+74.80	RT	1,261.6		1													
178	G-18	SR-32	212+66.69	216+48.58	LT	378.3															
181	G-20	RAMP N	189+03.02	197+87.07	LT	899.2			1										18.1		
181	G-21	RAMP N	190+24.65	197+36.92	RT	700.0		1		1											
182	I-1	RAMP N	197+44.21	197+85.10	RT															107.1	
182	CR-1	RAMP N	197+64.37	197+76.02	LT												120.2				
183	C-1	RAMP O	182+87.88	186+00.00	RT														311.9		
183	G-23	RAMP O	182+34.72	186+00.60	RT	287.5	1		1												
185	G-25	RAMP O	190+51.50	192+64.58	LT	137.5	1		1										18.1		
185	G-26	RAMP O	191+48.00	196+16.15	RT	600.0		1		1											
186	I-2	RAMP O	196+07.75	197+00.05	LT/RT															339.9	
186	CR-2	RAMP O	196+62.50	196+78.77	RT												101.8				
186	CR-3	RAMP O	196+89.09	197+00.05	LT/RT												81.2				
187	G-28	RAMP P	197+83.19	209+64.57	RT	1,200.4															
190	G-30	RAMP Q	199+12.78	202+89.60	RT	300.0	1		1										18.1		
190	I-3	RAMP Q	198+96.04	199+23.75	LT															65.8	
190	CR-4	RAMP Q	198+97.56	199+10.19	LT												100.2				
191	G-32	RAMP Q	206+64.67	212+66.69	LT	573.8			1										18.1		
SUBTOTAL CARRIED TO SHEET 145						8,013.3	8	7	8	5							403.4		402.6	512.8	

CALCULATED MSW CHECKED WAA

ROADWAY ESTIMATED QUANTITIES

CLE-32-3.50 (PHASE 5)

DRAINAGE SUBSUMMARY

ESTIMATED QUANTITIES	601 TIED CONCRETE BLOCK MAT, TYPE 2 (SY)	601 ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC (CY)	601 PAVED GUTTER, TYPE 1-2, AS PER PLAN (FT)	601 PAVED GUTTER, TYPE 3, AS PER PLAN (FT)	602 CONCRETE MASONRY (CY)	611 12" CONDUIT, TYPE B (FT)	611 12" CONDUIT, TYPE C (FT)	611 15" CONDUIT, TYPE B (FT)	611 15" CONDUIT, TYPE C (FT)	611 15" CONDUIT, TYPE C, 706.02, JOINTS PER 706.11 (FT)	611 15" CONDUIT, TYPE F, 707.05 TYPE C OR 707.21 (FT)	611 18" CONDUIT, TYPE B (FT)	611 18" CONDUIT, TYPE C (FT)	611 24" CONDUIT, TYPE B (FT)	611 24" CONDUIT, TYPE C (FT)	611 36" CONDUIT, TYPE B (FT)	611 42" CONDUIT, TYPE B (FT)	611 48" CONDUIT, TYPE B (FT)
149	56	5	556		1.1	1415	44	345	17	70	43	87	142	94				276
150	39		391	338				320	124			109	250	501	40	450	401	
151	12	5	511		1.0			363		548			68	78			158	
TOTALS CARRIED TO GENERAL SUMMARY	107	10	1,458	338	2.1	1,415	44	1,028	141	618	43	196	460	673	40	450	559	276

ESTIMATED QUANTITIES	611 CONDUIT, BORED OR JACKED: 15" TYPE B (FT)	611 CONDUIT, BORED OR JACKED: 18" TYPE B (FT)	611 CONDUIT, BORED OR JACKED: 24" TYPE B (FT)	611 CONDUIT, BORED OR JACKED: 42" TYPE B (FT)	611 CATCH BASIN, NO. 3 (EACH)	611 CATCH BASIN, NO. 3, AS PER PLAN (EACH)	611 CATCH BASIN, NO. 3A (EACH)	611 CATCH BASIN, NO. 3A, AS PER PLAN (EACH)	611 CATCH BASIN, NO. 8 (EACH)	611 CATCH BASIN, NO. 8A (EACH)	611 CATCH BASIN, NO. 2-2B (EACH)	611 CATCH BASIN ADJUSTED TO GRADE (EACH)		611 INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D (EACH)	611 MANHOLE, NO. 3 (EACH)	611 MANHOLE ADJUSTED TO GRADE (EACH)
149						4	15	1	2	1	4	1		2	2	2
150	141	69	272		1		1		2	3				5	11	
151				55	2				2	1	2			1	7	
TOTALS CARRIED TO GENERAL SUMMARY	141	69	272	55	3	4	16	1	6	5	6	1		8	20	2

CALCULATED MHT
CHECKED WAA

CLE-32-3.50 (PHASE 5)

SHEET NO.	REF NO.	STATION FROM	STATION TO	CHAIN	SIDE	601 TIED CONCRETE BLOCK MAT, TYPE 2 SY	601 PAVED GUTTER, TYPE 1-2, AS PER PLAN FT	601 PAVED GUTTER, TYPE 3, AS PER PLAN FT	611 12" CONDUIT, TYPE B FT	611 15" CONDUIT, TYPE B FT	611 15" CONDUIT, TYPE C FT	611 18" CONDUIT, TYPE B FT	611 18" CONDUIT, TYPE C FT	611 24" CONDUIT, TYPE B FT	611 24" CONDUIT, TYPE C FT	611 36" CONDUIT, TYPE B FT	611 42" CONDUIT, TYPE B FT	611 CONDUIT, BORED OR JACKED: 15" TYPE B FT	611 CONDUIT, BORED OR JACKED: 18" TYPE B FT	611 CONDUIT, BORED OR JACKED: 24" TYPE B FT	611 CATCH BASIN, NO. 3 EACH	611 CATCH BASIN, NO. 3A EACH	611 CATCH BASIN, NO. 8 EACH	611 CATCH BASIN, NO. 8A EACH		611 INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D EACH	611 MANHOLE, NO. 3 EACH
450	D37	NOT USED																									
450	D38	NOT USED																									
450	D39	NOT USED																									
451	D40	NOT USED																									
452	D41	10+00.62		FAYARD	C						17									1							
455	D42	183+50.00	184+00.00	SR 32	LT							51											1				
455	D43	184+00.00	184+00.00	SR 32	LT														80						1		
455	D44	NOT USED																									
455	D45	184+00.00	184+00.00	SR 32	RT													66				1					
455	D46	184+00.00	186+00.00	SR 32	C									200													1
456	D47	186+00.00	188+00.00	SR 32	C									200													1
456	D48	189+00.00	188+00.00	RAMP N	LT									101										1			
456	D49	188+00.00	188+00.00	RAMP N	LT														96							1	
456	D50	190+33.00	189+50.00	RAMP O	RT					83																1	
456	D51	189+50.00	188+67.65	RAMP O	RT						83															1	
456	D52	188+67.65	188+26.77	RAMP O	RT						5		41														1
456	D53	187+88.14	187+88.25	RAMP O	RT						19															1	
456	D54	187+50.00	187+88.14	RAMP O	RT					237														1			
456	D55	187+88.85	188+26.77	RAMP O	RT								5		40												1
456	D56	188+26.77	188+00.00	RAMP O	RT														96								1
456	D57	NOT USED																									
456	D57A	188+00.00	191+00.00	SR32	C											300											1
456	D58	189+21.00		RAMP N	LT	13																					
456	D59	185+50.00	188+89.00	RAMP N	LT			338																			
457	D60	191+00.00	192+50.00	SR 32	C											150											1
457	D61	194+50.00	192+50.00	RAMP O	RT								204														1
457	D62	192+50.00	192+50.00	RAMP O	RT							58															1
457	D63	192+50.00	192+50.00	SR 32	RT														69				1				
457	D64	192+50.00	195+00.00	SR 32	C												245										1
457	D65	194+50.00	195+00.00	SR 32	RT													75				1					
457	D66	NOT USED																									
457	D66A	195+00.00	196+50.00	SR 32	C												156										1
457	D67	192+46.00		RAMP O	LT	26																					
457	D68	193+09.00	197+00.00	SR 32	RT		391																				
TOTALS CARRIED TO DRAINAGE SUBSUMMARY						39	391	338		320	124	109	250	501	40	450	401	141	69	272	1	1	2	3		5	11

CALCULATED MHT
CHECKED WAA

DRAINAGE ESTIMATED QUANTITIES

CLE-32-3.50
(PHASE 5)

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ESTIMATED QUANTITIES SHEET NO.	601		605	605		611	611										
	TIED CONCRETE BLOCK MAT, TYPE 1		6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC		6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	PRECAST REINFORCED CONCRETE OUTLET										
	SY		FT	FT		FT	EACH										
153			3801	935		509											
154	2		2762	881		550	1										
155			2228	5788		343											
156	4		6584	2252		450	2										
157	6		4366	3741		370	3										
TOTALS CARRIED TO GENERAL SUMMARY	12		19,741	13,597		2,222	6										

CALCULATED MHT CHECKED WAA

UNDERDRAIN SUBSUMMARY

CLE-32-3.50 (PHASE 5)

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736

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SHEET NO.	REF NO.	STATION FROM	STATION TO	CHAIN	SIDE	OUTLET ELEVATION	601 TIED CONCRETE BLOCK MAT, TYPE 1	605 6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	605 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	611 6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	611 PRECAST REINFORCED CONCRETE OUTLET		FOR INFORMATION ONLY BENDS AND BRANCHES * DENOTES TO CONNECT TO EXISTING UD: 6" PLUG	6" X 22.5* BEND	6" X 45* BEND	6" X 90* BEND	6" X 6" TEE	6" WYE	6" CROSS
							SY	FT	FT	FT	EACH		EACH	EACH	EACH	EACH	EACH	EACH	EACH
446	UD60	48+90.00	46+44.00	OLD BACH BUX	RT	EX UD			155				1						
446	UD61	49+10.00	50+56.00	OLD BACH BUX	RT	855.64		128		10			1						
446	UD62	50+40.00	50+56.00	OLD BACH BUX	LT	855.64		99		10			1						
446	UD63	60+01.00	62+03.00	ELICK	LT	853.68			202	10			1						
446	UD64	60+06.00	62+00.00	ELICK	RT	EX UD			215				1						
446	UD65	62+08.00	63+55.00	ELICK	LT	EX UD			148				1						
447	UD66	138+37.00	134+01.00	SR 32	RT	EX UD			438				1						
447	UD67	134+50.00	134+01.00	SR 32	RT	EX UD		50					1						
447	UD68	137+34.00	134+01.00	SR 32	LT	EX UD			335				1						
448	UD69	141+90.00	138+48.00	SR 32	RT	849.77			333	31			1			1			
448	UD70	139+40.00	137+66.00	SR 32	RT	EX UD			165	10			1				1		
449	UD71	143+31.00	142+04.00	SR 32	LT	EX UD			127				1						
449	UD72	144+27.00	142+38.00	SR 32	LT	EX UD			189				1						
449	UD73	144+27.00	142+00.00	SR 32	RT	855.68			218	27			1			1			
449	UD74	146+94.00	144+37.00	SR 32	LT	857.50			247	24			1			1			
449	UD75	146+94.00	144+37.00	SR 32	RT	857.50			247	26			1			1			
450	UD76	149+64.00	147+04.00	SR 32	LT	860.86			251	25			1			1			
450	UD77	150+22.00	147+04.00	SR 32	RT	861.50			306	14			1						
450	UD78	152+38.00	149+74.00	SR 32	LT	863.44			254	25			1			1			
451	UD79	153+50.00	152+48.00	SR 32	LT	867.64			93	24			1			1			
452	UD80	11+29.00	10+00.00	FAYARD	LT	875.71			128	10			1						
452	UD81	10+88.00	10+00.00	FAYARD	RT	875.71			113	10			1						
452	UD82	NOT USED																	
452	UD83	NOT USED																	
452	UD84	159+90.00	158+71.00	SR 32	RT	EX UD		119											
452	UD85	159+90.00	158+71.00	SR 32	RT	EX UD			119										
454	UD86	174+90.00	183+50.00	SR 32	LT	858.50			863	18			1			3			
453	UD87	171+90.00	184+00.00	SR 32	LT	856.98		1190		49			1			2	1		
453	UD88	170+73.00	173+17.00	SR 32	RT	EX UD			234	10						1			
453	UD89	170+73.00	173+17.00	SR 32	RT	EX UD		234		10							1		
453	UD90	173+41.00	177+48.00	SR 32	RT	EX UD			408				1						
453	UD91	173+41.00	177+48.00	SR 32	RT	EX UD		408					1						
SUBTOTAL THIS SHEET								2228	5788	343			26			13	3		
TOTALS CARRIED TO UNDERDRAIN SUBSUMMARY								2228	5788	343									

CALCULATED MHT CHECKED WAA

UNDERDRAIN ESTIMATED QUANTITIES

CLE-32-3.50 (PHASE 5)

SHEET NO.	REF NO.	STATION FROM	STATION TO	CHAIN	SIDE	OUTLET ELEVATION	601 TIED CONCRETE BLOCK MAT, TYPE 1 SY	605 6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC FT	605 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC FT	611 6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS FT	611 PRECAST REINFORCED CONCRETE OUTLET EACH		FOR INFORMATION ONLY BENDS AND BRANCHES * DENOTES TO CONNECT TO EXISTING UD: 6" PLUG EACH	6" X 22.5* BEND EACH	6" X 45* BEND EACH	6" X 90* BEND EACH	6" X 6" TEE EACH	6" WYE EACH	6" CROSS EACH
459	UD120	202+79.00	204+51.00	RAMP P	LT	841.75		160		11			1		1				
459	UD121	204+61.00	205+56.00	RAMP P	LT			89		10			1						
459	UD122	204+40.00	205+56.00	RAMP P	LT				111	10			1						
459	UD123	204+40.00	205+56.00	RAMP P	LT	836.60	2	111		81	1		1			1	2		
459	UD124	205+94.00	206+75.00	RAMP Q	C	837.87		64		18			1		1				
459	UD125	206+80.00	212+67.00	RAMP Q	C			648		10			1				1		
459	UD126	205+78.00	211+51.00	RAMP P	RT				569	10			1						
459	UD127	205+78.00	209+89.00	RAMP P	LT			409		8			1			1			
459	UD128	205+78.00	211+51.00	RAMP P	LT	837.50	2	560		56	1		1			1	2		
460	UD129	208+06.00	212+67.00	RAMP Q	LT				520	10			1						
460	UD130	208+06.00	209+56.00	RAMP Q	RT			142		27			1			1	2		
460	UD131	208+06.00	213+46.00	RAMP Q	RT	834.51		527		39			1						
460	UD132	211+60.00	232+00.00	SR 32	RT				589	10			1						
460	UD133	211+60.00	232+00.00	SR 32	RT	835.70	2	586		30	1		1			1	1		
461	UD134	213+60.00	216+49.00	SR 32	LT	EX UD			288				1						
461	UD135	213+60.00	216+61.00	SR 32	LT	EX UD		300					1						
461	UD136	213+60.00	216+61.00	SR 32	LT	EX UD		300					1					1	
461	UD137	232+10.00	236+80.00	SR 32	RT	EX UD			470				1						
461	UD138	232+10.00	236+80.00	SR 32	RT	EX UD		470					1						
461	UD139	232+35.00	235+21.00	SR 32	RT	EX UD			277	10					1				
462	UD140	234+96.00	235+35.00	SR 32	LT	831.57			32	10			1		1				
462	UD141	201+20.00	202+33.00	OLD 74	RT	830.17			104	10			1						
462	UD142	202+25.00	202+33.00	OLD 74	LT	830.17			75	10			1						
462	UD143	NOT USED																	
462	UD144	NOT USED																	
462	UD145	235+50.00	239+22.00	SR 32	LT	EX UD			377				1						
462	UD146	235+50.00	236+43.00	SR 32	RT	EX UD			98				1						
462	UD147	204+55.00	205+50.00	OLD 74	RT	EX UD			111				1						
462	UD148	204+51.00	205+50.00	OLD 74	LT	EX UD			120				1						
SUBTOTAL THIS SHEET							6	4366	3741	370	3		26		4	5	8	1	
TOTALS CARRIED TO UNDERDRAIN SUBSUMMARY							6	4366	3741	370	3								

CALCULATED MHT CHECKED WAA

UNDERDRAIN ESTIMATED QUANTITIES

CLE-32-3.50
(PHASE 5)

ESTIMATED QUANTITIES SHEET NO.	204 SUBGRADE COMPACTION SY	204 EXCAVATION OF SUBGRADE, 12" DEEP CY	204 GRANULAR MATERIAL, TYPE B CY	204 PROOF ROLLING HR	204 GEOTEXTILE FABRIC SY	206 LIME STABALIZED SUBGRADE, 12" DEEP SY	206 LIME TON	206 CURING COAT SY	206 MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS, AS PER PLAN LS	254 PAVEMENT PLANING, ASPHALT CONCRETE (1.5" DEPTH) SY	254 PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH VARIES 1.5" MAX) SY	302 6" ASPHALT CONCRETE BASE, PG64-22 CY	302 10" ASPHALT CONCRETE BASE, PG64-22 CY	304 6" AGGREGATE BASE CY	304 8" AGGREGATE BASE CY	407 NON-TRACKING TACK COAT (@0.06 GAL/SY) GAL	407 NON-TRACKING TACK COAT (@0.09 GAL/SY) GAL	441 1-1/4" AC SURFACE COURSE, TYPE 1, (448), PG64-22 CY	441 1-3/4" AC INTERMEDIATE COURSE, TYPE 2, (448), PG64-22 CY	
160		515.04	515.04	5.26	1,545.12	10,521.31	272.24	10,521.31			4,266.64	9.65	3,141.34	9.65	2,787.88	1,964.23	384.01			
161		391.98	391.98	3.77	1,175.95	7,538.84	195.07	7,538.84			652.75		2,296.71		1,936.32	1,426.75	58.75			
162	1,602.43			8.25		14,901.11	385.57	14,901.11							3,555.98	29.45		8.52	11.93	
163	5,541.65	113.56	113.56	12.03	340.68	18,508.73	478.91	18,508.73		8,369.49		3,178.13		3,302.41	421.23	2,331.03	753.28	23.05	32.57	
164	229.62			0.11				210.83				3.16	58.62	3.16	46.89	39.13				
SUBTOTALS THIS SHEETS	7,373.70	1,020.59	1,020.59	29.42	3,061.76	51,469.99	1,331.79	51,680.82	LS	8,369.49	4,919.39	3,190.94	5,496.67	3,315.22	8,748.30	5,790.59	1,196.04	31.57	44.50	
TOTALS CARRIED TO GENERAL NOTES				29																
TOTALS CARRIED TO GENERAL SUMMARY	7,374	1,021	1,021		3,062	51,470	1,332	51,681	LS	8,369	4,919	8,688		12,064		6,987		32	44	

ESTIMATED QUANTITIES SHEET NO.	442 ANTI-SEGREGATION EQUIPMENT CY	442 1-1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446) CY	442 1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (446) CY	452 4" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1 SY	452 11" NON-REINFORCED CONCRETE PAVEMENT SY
160	357.12	629.97	532.28		
161	326.43	353.36	387.76		
162				379.55	14,343.06
163		1,129.30	913.48		
164	18.29	8.17	11.21		
SUBTOTALS THIS SHEETS	701.84	2,120.80	1,844.73	379.55	14,343.06
TOTALS CARRIED TO GENERAL NOTES					
TOTALS CARRIED TO GENERAL SUMMARY	702	2,121	1,845	380	14,343

CALCULATED MSW
CHECKED WAA

PAVEMENT SUBSUMMARY

CLE-32-3.50
(PHASE 5)

PAV'T AREA	STATION FROM	STATION TO	SIDE	LENGTH (ALONG CURB OR EDGE LINE)	AREA (FROM CADD)	204 EXCAVATION OF SUBGRADE, 12" DEEP	204 GRANULAR MATERIAL, TYPE B	204 PROOF ROLLING	204 GEOTEXTILE FABRIC	206 LIME STABALIZED SUBGRADE, 12" DEEP	206 LIME	206 CURING COAT	254 PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH VARIES 1.5" MAX)	302 6" ASPHALT CONCRETE BASE, PG64-22	302 10" ASPHALT CONCRETE BASE, PG64-22	304 6" AGGREGATE BASE	304 8" AGGREGATE BASE	407 NON-TRACKING TACK COAT (@0.06 GAL/SY)	407 NON-TRACKING TACK COAT (@0.09 GAL/SY)	442 ANTI-SEGREGATION EQUIPMENT	442 1-1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)	442 1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (446)	
				LF	SQ FT	CY	CY	HR	SY	SY	TON	SY	SY	CY	CY	CY	CY	GAL	GAL	CY	CY	CY	
	SR-32 WB																						
FREEWAY RESURFACING	142+03.69	144+10.10	LT	206.18	5,874.79								652.75						58.75		27.20		
FULL DEPTH ASPH. LANES	142+03.69	143+37.48	LT		301.77			0.02		33.53	0.87	33.53			9.32		7.46	6.04		3.03	1.40	1.63	
FULL DEPTH ASPH. SHLDR	142+03.69	143+35.66	LT		563.74			0.03		62.64	1.62	62.64			17.40		13.92	11.28			2.61	3.05	
+ASPH. EDGE COURSE	142+03.69	143+35.66	LT	134.57				0.01		22.43	0.58	22.43			2.44		4.44						
FULL DEPTH ASPH. SHLDR	142+38.41	153+50.00	LT		4445.08	164.63	164.63		493.90						137.20		109.76	88.91			20.58	24.01	
+ASPH. EDGE COURSE	142+38.41	153+50.00	LT	1,111.31		61.74	61.74		185.22						20.02		36.59						
FULL DEPTH ASPH. SHLDR	143+43.72	144+10.10	LT		480.39			0.03		53.38	1.38	53.38			14.83		11.87	9.61			2.23	2.60	
+ASPH. EDGE COURSE	142+03.69	143+35.66	LT	83.59				0.01		13.94	0.36	13.94			1.52		2.76						
FULL DEPTH ASPH. LANES	143+73.43	144+10.10	LT		71.36			0.00		7.93	0.21	7.93			2.21		1.77	1.43		0.73	0.34	0.39	
FULL DEPTH ASPH. LANES	171+90.25	188+44.21	LT		21,247.63			1.18		2,360.85	61.09	2,360.85			655.80		524.64	424.96		213.14	98.37	114.77	
FULL DEPTH ASPH. SHLDR	174+90.33	188+43.17	LT		10,070.90			0.56		1,118.99	28.95	1,118.99			310.84		248.67	201.42			46.63	54.40	
+ASPH. EDGE COURSE	158+12.78	159+32.74	LT	735.00				0.06		122.50	3.17	122.50			13.25		24.20						
+TYPD D ASPH.	188+48.94	188+86.82	LT	618.33				0.12		240.46	6.22	240.46			52.49		53.44	17.87				7.24	
FULL ASPH. SHLDR/GORE	180+90.41	190+00.00	LT		9,544.75			0.53		1,060.53	27.44	1,060.53			294.60		235.68	190.90			44.19	51.56	
+ASPH. EDGE COURSE	188+44.21	190+00.00	LT	155.79				0.01		25.97	0.67	25.97			2.82		5.13						
FULL DEPTH ASPH. SHLDR	188+02.27	192+03.94	LT		1,606.69	59.51	59.51		178.52						49.59		39.68	32.14			7.44	8.68	
+ASPH. EDGE COURSE	188+02.27	192+03.94	LT	401.67		22.32	22.32		66.95						7.24		13.23						
+TYPD D APP WALL	196+94.70	199+85.91	LT	291.21													15.58						
FULL DEPTH ASPH. GORE	207+94.20	210+44.28	LT		2,763.42			0.15		307.05	7.94	307.05			85.30		68.24	55.27			12.80	14.93	
FULL DEPTH ASPH. LANES	207+94.20	216+48.49	LT		10,918.35			0.61		1,213.15	31.39	1,213.15			336.99		269.59	218.37		109.53	50.55	58.98	
FULL DEPTH ASPH. SHLDR	207+96.10	216+48.49	LT		6,803.66			0.38		755.97	19.56	755.97			209.99		168.00	136.08			31.50	36.75	
+ASPH. EDGE COURSE	207+96.10	216+48.49	LT	837.08				0.07		139.52	3.61	139.52			15.08		27.56						
FULL DEPTH ASPH. SHLDR	234+95.57	239+21.68	LT		1,623.20	60.12	60.12		180.36						50.10		40.08	32.47			7.52	8.77	
+ASPH. EDGE COURSE	234+95.57	239+21.68	LT	426.10		23.67	23.67		71.02						7.68		14.03						
SUBTOTAL CARRIED TO SHEET 159						391.98	391.98	3.77	1,175.95	7,538.84	195.07	7,538.84	652.75		2,296.71		1,936.32	1,426.75	58.75	326.43	353.36	387.76	

CALCULATED MSW CHECKED WAA

PAVEMENT ESTIMATED QUANTITIES

CLE-32-3.50 (PHASE 5)

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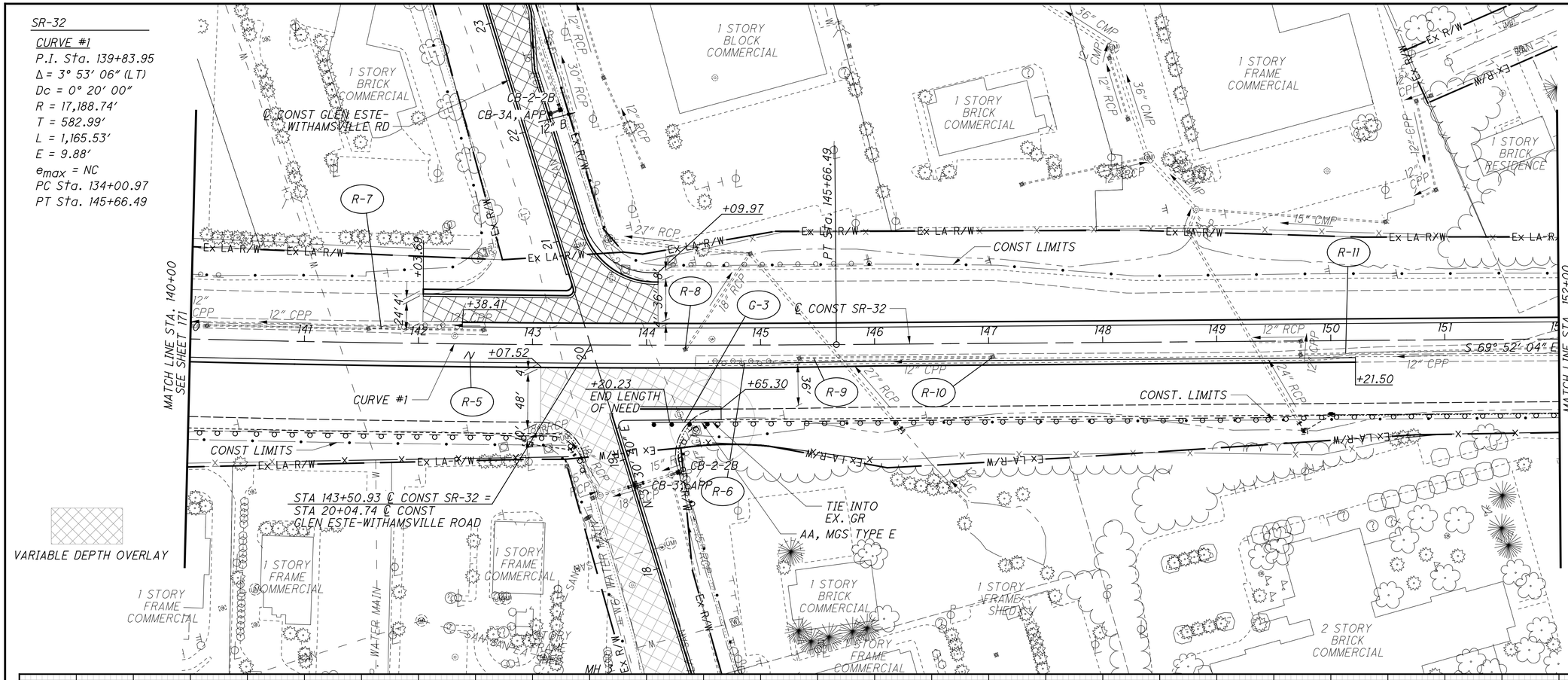
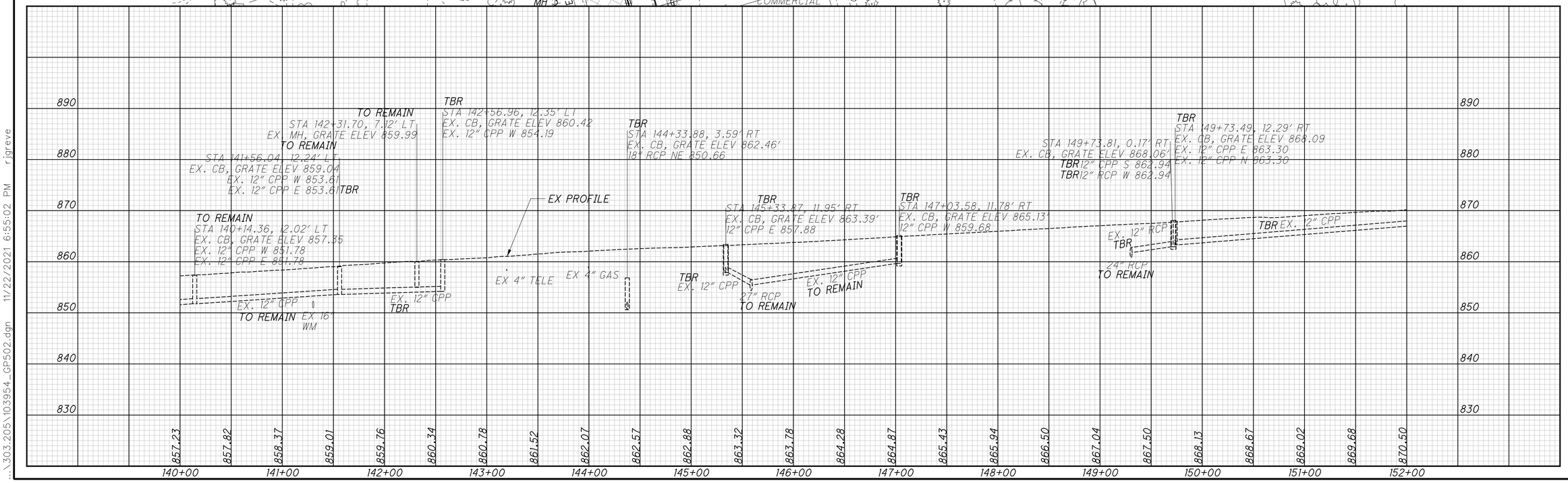
SR-32

CURVE #1
P.I. Sta. 139+83.95
Δ = 3° 53′ 06″ (LT)
Dc = 0° 20′ 00″
R = 17,188.74′
T = 582.99′
L = 1,165.53′
E = 9.88′
e_{max} = NC
PC Sta. 134+00.97
PT Sta. 145+66.49





HORIZONTAL SCALE IN FEET
0 25 50 100

CALCULATED GAH CHECKED WAA

PLAN AND PROFILE - SR-32
STA. 140+00 TO STA. 152+00

CLE-32-3.50
(PHASE 5)

172
736

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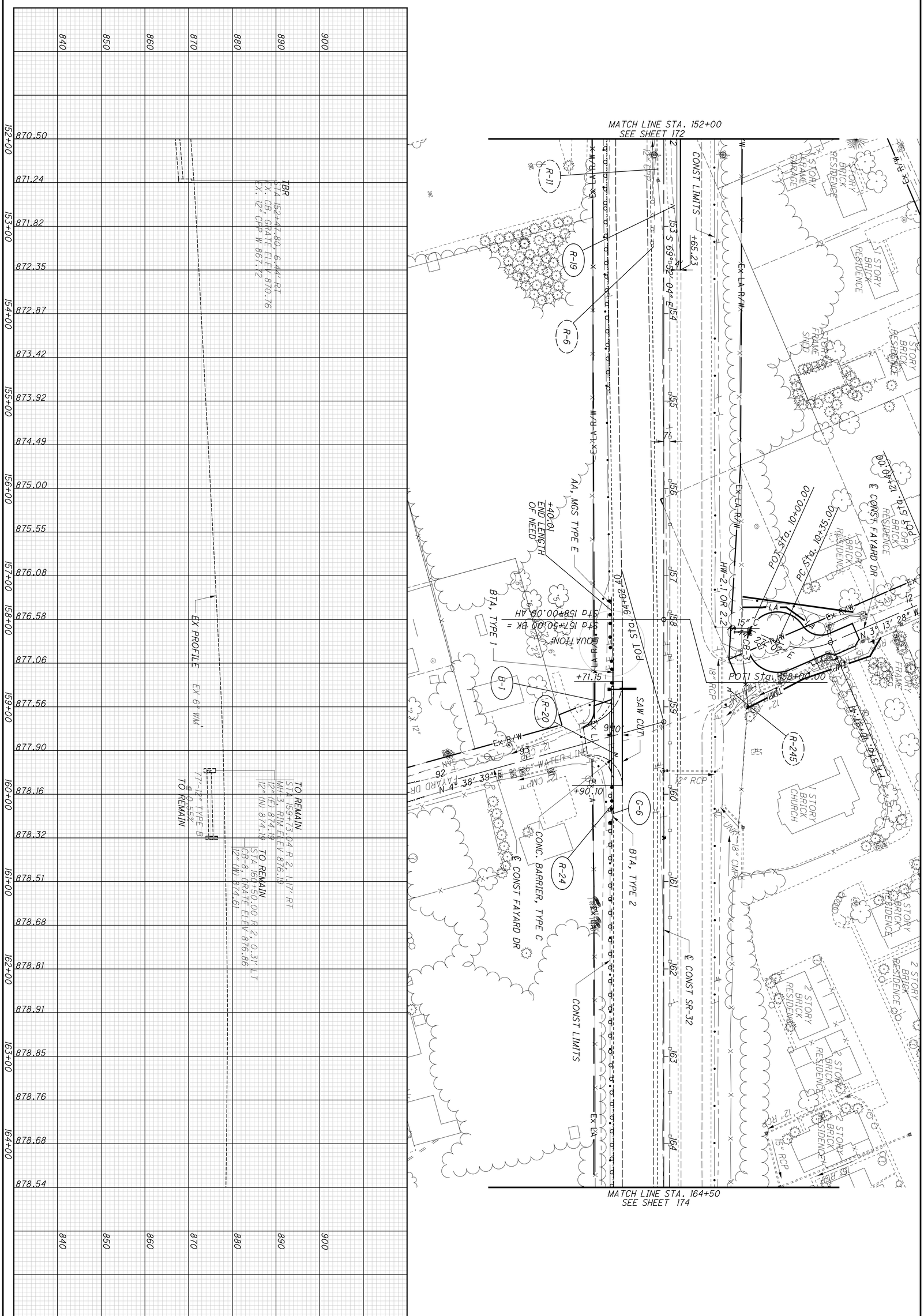

173 / 736	**CLE-32-3.50 (PHASE 5)**	**PLAN AND PROFILE - SR-32 STA. 152+00 TO STA. 164+50**	CALCULATED GAH / CHECKED WAA	HORIZONTAL SCALE IN FEET 0 50 25 100

MATCH LINE STA. 164+50
SEE SHEET 173

MATCH LINE STA. 176+50
SEE SHEET 175

2 STORY BRICK RESIDENCE

15" RCP

Ex LA

℄ CONST SR-32

S 69° 52' 04" E

CONST LIMITS

+73.25

+90.25

+90.17

+10.75

+08.78

GR, TYPE MGS

TIE INTO EX> GR

R-31

R-32

R-30

G-8

Ex CH

AA, TYPE T

24" CMP

18" RCP

30" RCP

42" UNK

44'

47.5'

1 STORY FRAME COMMERCIAL

SANITARY MAIN

TO REMAIN
STA 173+30.00 R 2, 2.18' LT
CB-8A, GRATE ELEV 869.46
18" (N) 865.37
24" (S) 865.37

EX PROFILE

165	166	167	168	169	170	171	172	173	174	175	176											
878.54	878.26	877.96	877.70	877.38	876.99	876.57	876.13	875.68	875.26	874.81	874.34	873.88	873.50	873.00	872.65	872.26	871.83	871.30	870.94	870.58	870.10	869.68	869.23	868.76
165+00			166+00			167+00			168+00			169+00			170+00			171+00			172+00			173+00			174+00			175+00			176+00	

900 890 880 870 860 850 840

HORIZONTAL SCALE IN FEET
0 25 50 100

CALCULATED GAH
CHECKED WAA

PLAN AND PROFILE - SR-32
STA. 164+50 TO STA. 176+50

CLE-32-3.50
(PHASE 5)

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736

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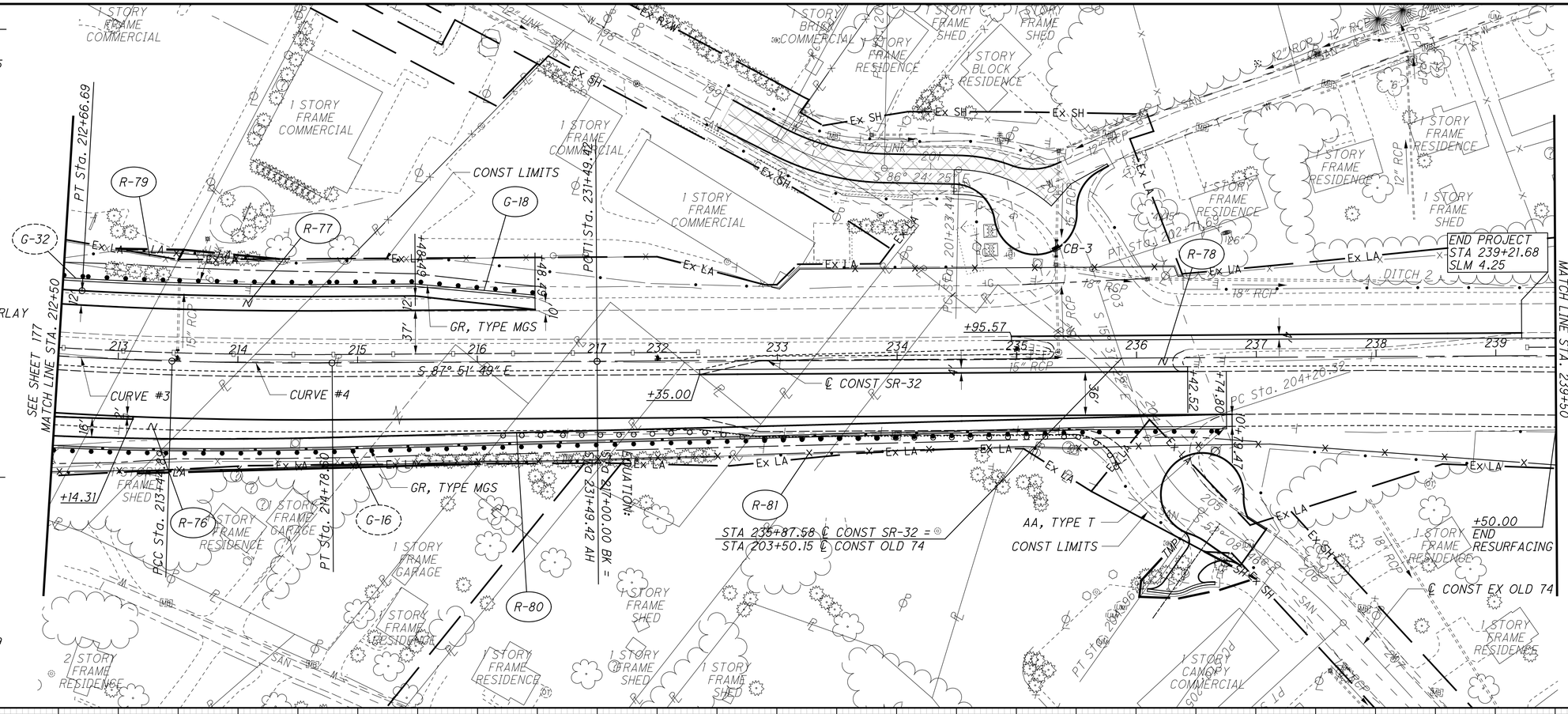
SR-32

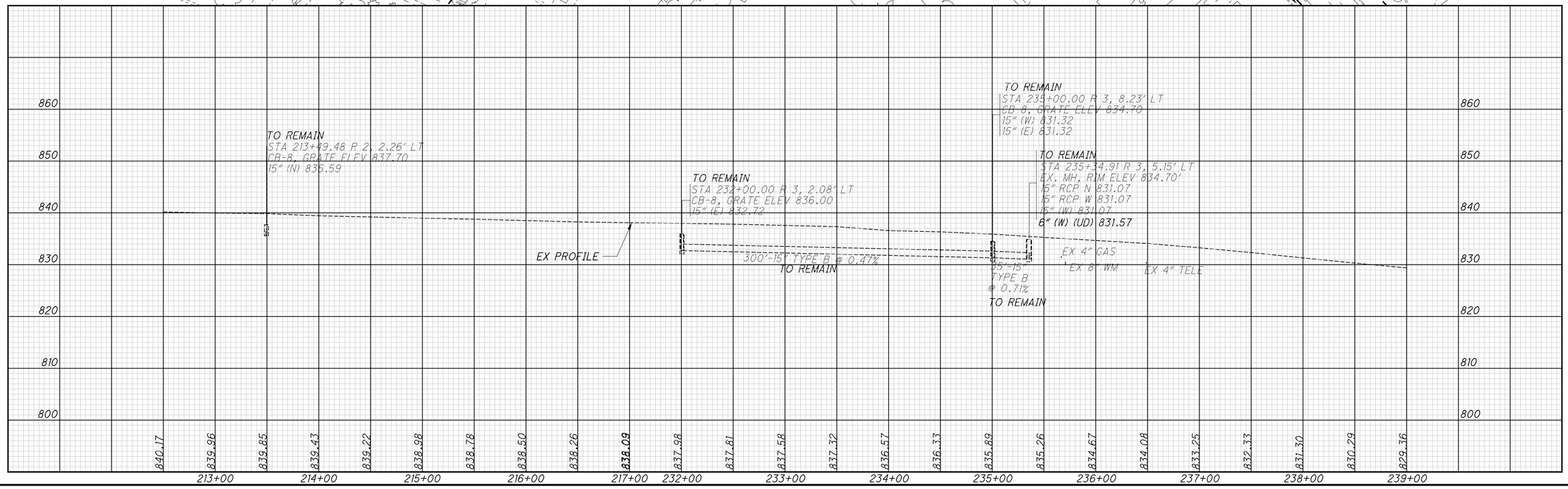
CURVE #3
P.I. Sta. 209+99.75
Δ = 13° 55′ 35″ (LT)
Dc = 2° 00′ 27″
R = 2,854.00′
T = 348.57′
L = 693.70′
E = 21.21′
e_{max} = 0.045
PCC Sta. 206+51.19
PCC Sta. 213+44.89

VARIABLE DEPTH OVERLAY

SR-32

CURVE #4
P.I. Sta. 214+11.75
Δ = 2° 00′ 21″ (LT)
Dc = 1° 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

HORIZONTAL SCALE IN FEET
0 25 50 100

CALCULATED GAH
CHECKED WAA

CLE-32-3.50
(PHASE 5)

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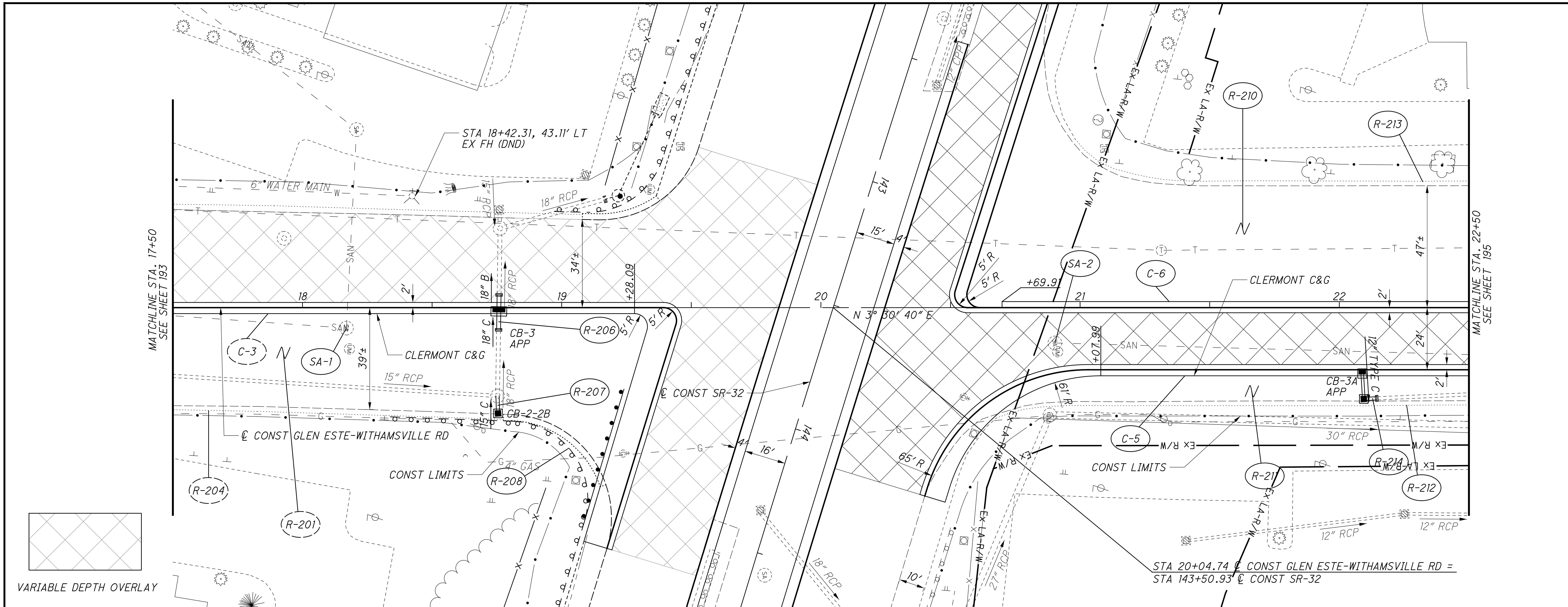
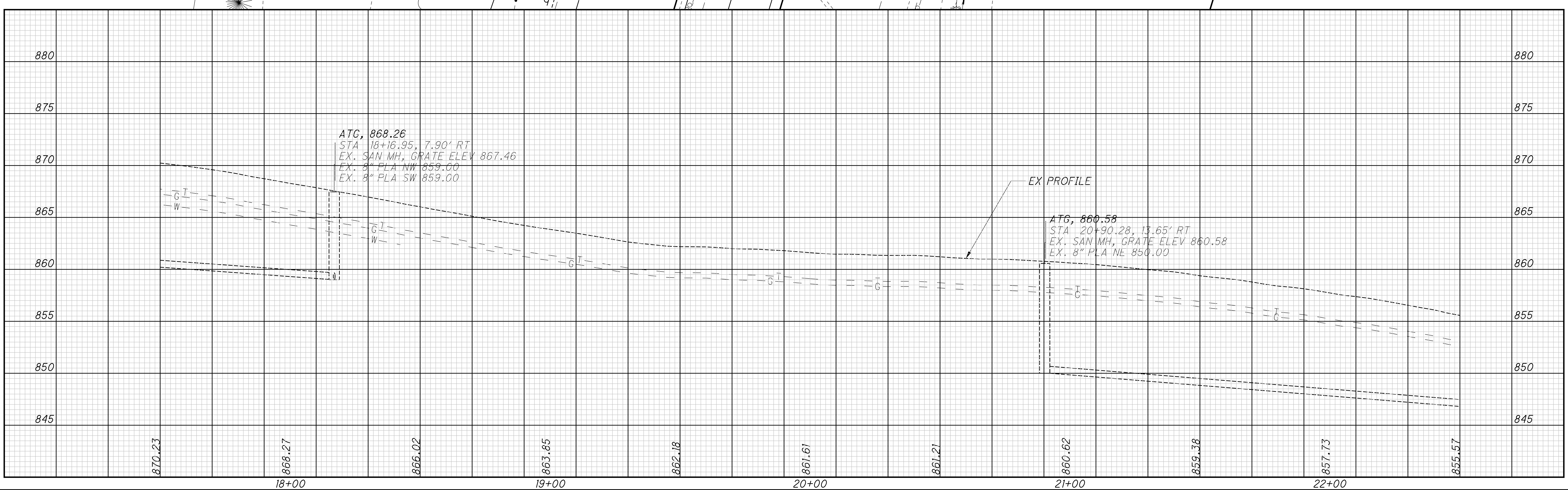
736


STA 18+42.31, 43.11' LT
EX FH (DND)
6" WATER MAIN
18" RCP
MATCHLINE STA. 17+50
SEE SHEET 193
MATCHLINE STA. 22+50
SEE SHEET 195
CLERMONT C&G
℄ CONST SR-32
℄ CONST GLEN ESTE-WITHAMSVILLE RD
CONST LIMITS
CB-3
APP
CB-2-2B
CB-3A
APP
N 3° 30' 40" E
15" RCP
30" RCP
12" RCP
4" GAS
EX R/W
EX LA-R/W
R-201
R-204
R-206
R-207
R-208
R-210
R-211
R-212
R-213
R-214
SA-1
SA-2
C-3
C-5
C-6
STA 20+04.74 ℄ CONST GLEN ESTE-WITHAMSVILLE RD =
STA 143+50.93 ℄ CONST SR-32
VARIABLE DEPTH OVERLAY


ATG, 868.26
STA 18+16.95, 7.90' RT
EX. SAN MH, GRATE ELEV 867.46
EX. 8" PLA NW 859.00
EX. 8" PLA SW 859.00
EX PROFILE
ATG, 860.58
STA 20+90.28, 13.65' RT
EX. SAN MH, GRATE ELEV 860.58
EX. 8" PLA NE 850.00
880
875
870
865
860
855
850
845
870.23
868.27
866.02
863.85
862.18
861.61
861.21
860.62
859.38
857.73
855.57
18+00
19+00
20+00
21+00
22+00

HORIZONTAL SCALE IN FEET

CALCULATED MSW
CHECKED WAA

PLAN AND PROFILE - GLEN ESTE-WITHAMSVILLE RD-STA 17+50 TO STA 22+50

CLE-32-3.50 (PHASE 5)

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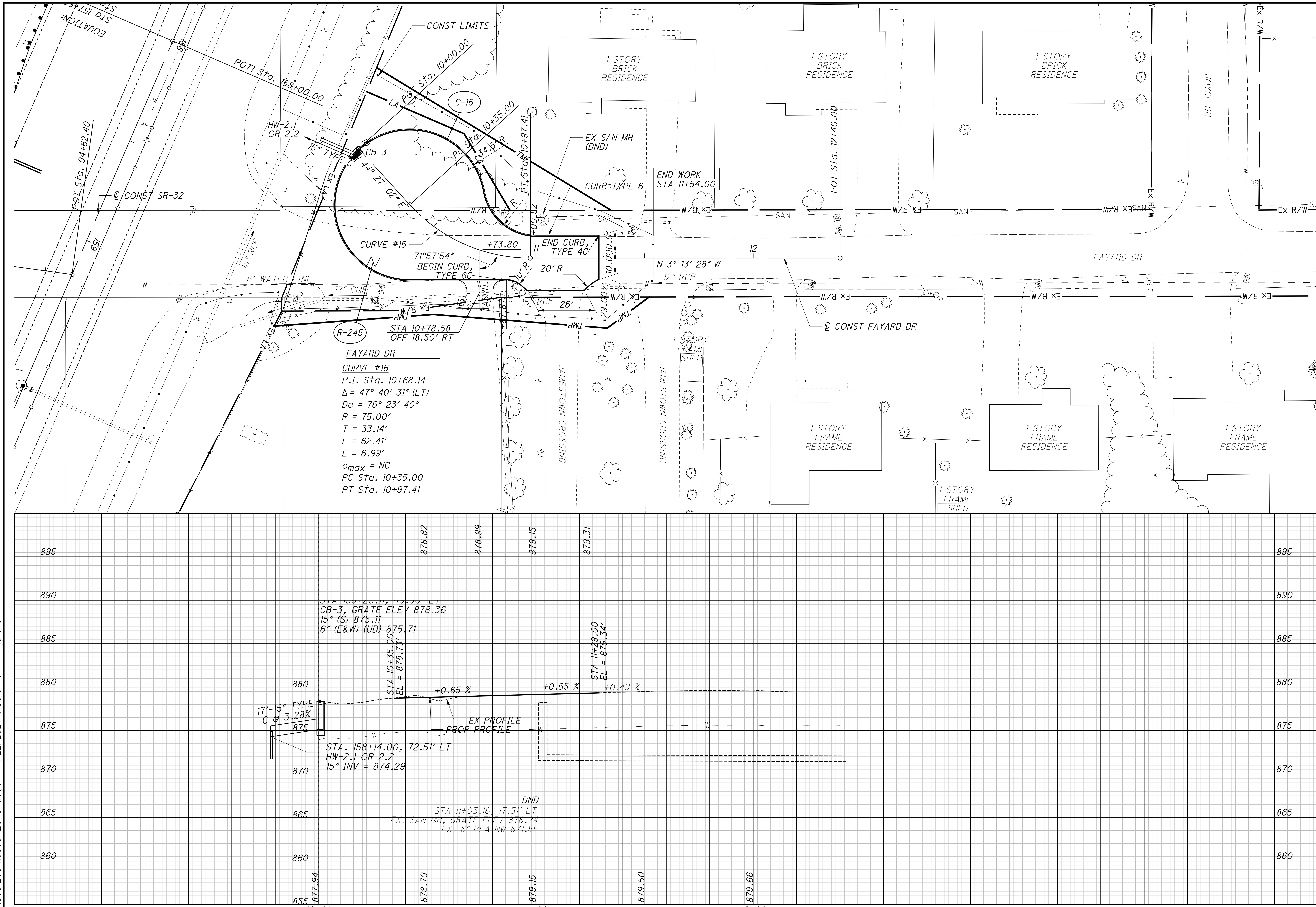
CONST LIMITS
POTI Sta. 158+00.00
EQUATION:
Sta 157+...
POT Sta. 94+62.40
HW-2.1
OR 2.2
15" TYPE C
CB-3
C-16
PC Sta. 10+00.00
PC Sta. 10+35.00
PT Sta. 10+97.41
44° 27' 02" E
34.5' R
EX SAN MH
(DND)
CURB TYPE 6
END WORK
STA 11+54.00
POT Sta. 12+40.00
℄ CONST SR-32
CURVE #16
+73.80
71°57'54"
BEGIN CURB,
TYPE 6C
END CURB,
TYPE 4C
20' R
10' R
26'
N 3° 13' 28" W
12
6" WATER LINE
12" CMP
12" RCP
15" RCP
18" RCP
R-245
STA 10+78.58
OFF 18.50' RT
EX R/W
TMP
SAN
℄ CONST FAYARD DR
FAYARD DR
JOYCE DR
JAMESTOWN CROSSING
1 STORY BRICK RESIDENCE
1 STORY FRAME RESIDENCE
1 STORY FRAME SHED
FAYARD DR
CURVE #16
P.I. Sta. 10+68.14
Δ = 47° 40' 31" (LT)
Dc = 76° 23' 40"
R = 75.00'
T = 33.14'
L = 62.41'
E = 6.99'
e max = NC
PC Sta. 10+35.00
PT Sta. 10+97.41
895
890
885
880
875
870
865
860
855
878.82
878.99
879.15
879.31
STA 158+23.11, 45.50' LT
CB-3, GRATE ELEV 878.36
15" (S) 875.11
6" (E&W) (UD) 875.71
STA 10+35.00
EL = 878.73'
STA 11+29.00
EL = 879.34'
+0.65 %
+0.65 %
+0.40 %
17'-15" TYPE
C @ 3.28%
EX PROFILE
PROP PROFILE
STA. 158+14.00, 72.51' LT
HW-2.1 OR 2.2
15" INV = 874.29
DND
STA 11+03.16, 17.51' LT
EX. SAN MH, GRATE ELEV 878.24
EX. 8" PLA NW 871.55
877.94
878.79
879.15
879.50
879.66
10+00
11+00
12+00

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED GAH
CHECKED WAA

PLAN AND PROFILE - FAYARD DR
STA 10+00 TO STA 12+40

CLE-32-3.50
(PHASE 5)

202
736

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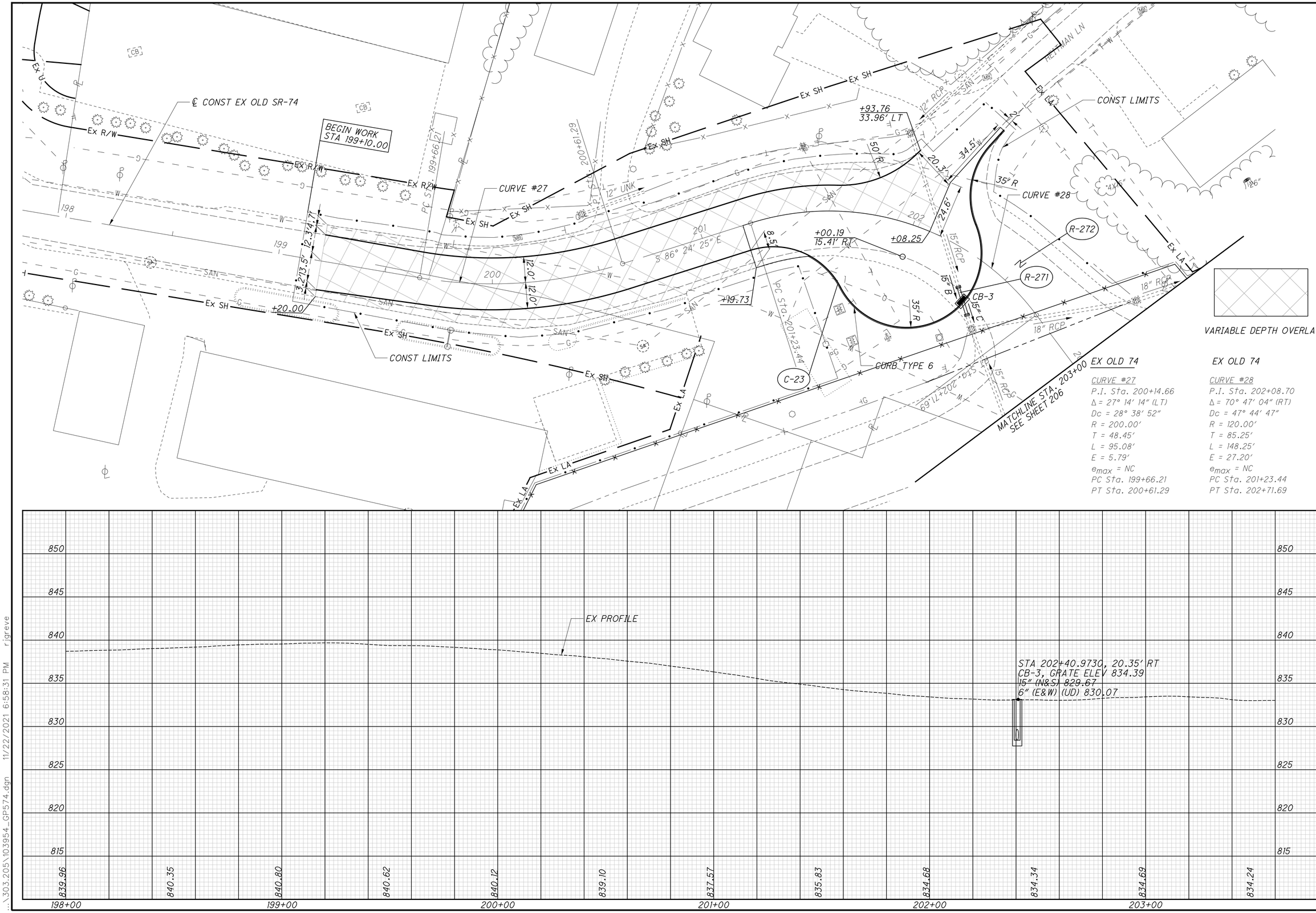

EX OLD 74

CURVE #27
P.I. Sta. 200+14.66
Δ = 27° 14' 14" (LT)
Dc = 28° 38' 52"
R = 200.00'
T = 48.45'
L = 95.08'
E = 5.79'
e_{max} = NC
PC Sta. 199+66.21
PT Sta. 200+61.29

EX OLD 74

CURVE #28
P.I. Sta. 202+08.70
Δ = 70° 47' 04" (RT)
Dc = 47° 44' 47"
R = 120.00'
T = 85.25'
L = 148.25'
E = 27.20'
e_{max} = NC
PC Sta. 201+23.44
PT Sta. 202+71.69

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED MSW
CHECKED WAA

PLAN AND PROFILE - EX OLD SR-74
STA 198+00 TO STA 203+00

CLE-32-3.50
(PHASE 5)

205
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

SEE RAMP N SECTIONS

12.5:1 12.5:1
856.7
8:1 8:1
856.5
EX. 6" WATER LINE
36" TYPE B
189+00.00 R 2
857.63
189+00.00 R 2
857.61

SEE RAMP N SECTIONS

12.5:1 12.5:1
857.2
8:1 8:1
856.9
188+50.00 R 2
858.05
188+50.00 R 2
857.93
36" TYPE B

EX LA
STA 188+00.00 R 2, 90.43' LT
1-3-D, GRATE ELEV 857.37
24" (S) 850.31
24" (E) 850.31
6" (W) (UD) 850.81
858.2
6" RCP
TBR
96'-24" TYPE B @ 1.70%
(JACK AND BORE)
CFN 1977640
TBR
STA 187+99.14 R 2, 11.33' LT
CB-8, GRATE ELEV 857.33
15" (N) 854.60
6" (S)(UD) 855.10
STA 188+00.00 R 2, 5.08' RT
MH-3, RIM ELEV 858.58
24" (W) 851.63
36" (E) 847.85
24" (S) 848.85
24" (N) 848.63
6" (W) (UD) 855.00
4:1 856.4
4:1
188+00.00 R 2
858.39
188+00.00 R 2
858.40

110 100 90 80 70 60 50 40 30 20 10 0 10

CROSS SECTIONS - SR-32 LT
STA. 188+00.00 TO STA. 189+00.00

CLE-35-3.50
PHASE 5

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736

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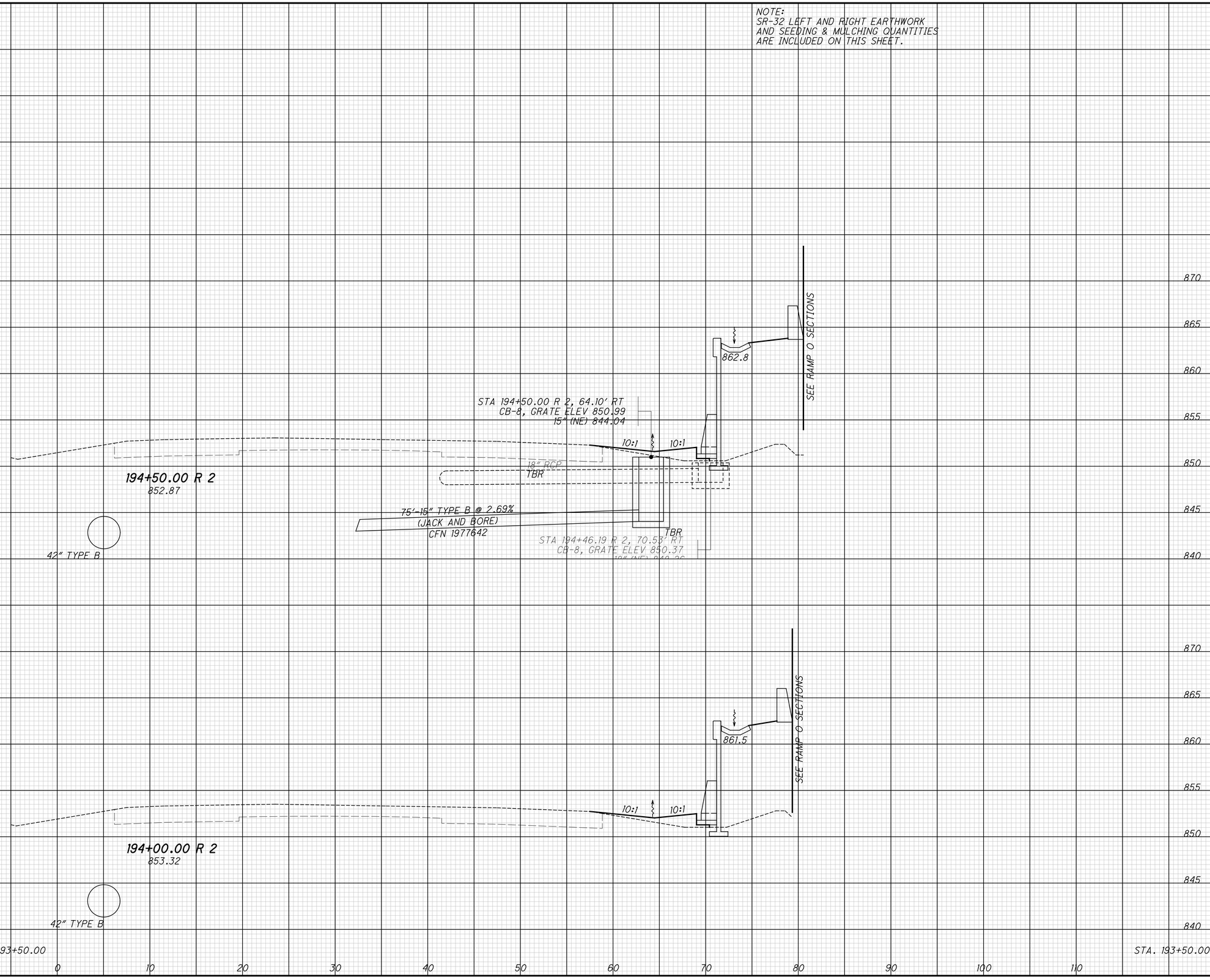
NOTE:
SR-32 LEFT AND RIGHT EARTHWORK
AND SEEDING & MULCHING QUANTITIES
ARE INCLUDED ON THIS SHEET.

SEEDING	
END WIDTH	SQ. YDS.
42	
	221
37	
	200
34	
	421

END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	227		
		0	379
0	182		
		0	300
0	142		
		0	679

CALCULATED MSW
CHECKED WAA



CROSS SECTIONS - SR-32 RT
STA. 194+00.00 TO STA. 194+50.00

CLE-35-3.50
PHASE 5

305
736

...\303.205\103954_XS50IR.dgn 11/23/2021 1:44:52 PM mswhitt

SEEDING	
END WIDTH	SQ. YDS.
47	254
44	240
42	
	494

NOTE:
SR-32 LEFT AND RIGHT EARTHWORK
AND SEEDING & MULCHING QUANTITIES
ARE INCLUDED ON THIS SHEET.

875 870 865 860 855 850 845 840

195+50.00 R 2
851.97

42" TYPE B

865.4

SEE RAMP O SECTIONS

10:1 10:1

STA 194+94.86 R 2, 5.08' RT
MH-3, RIM ELEV 852.26
42" (W) 840.85
42" (E) 840.85
15" (SW) 842.02

TBR
STA 195+01.65 R 2, 2.00' LT
CB-8A, GRATE ELEV 850.53
18" (S) 847.60
24" (N) 847.60
6" (W) (UD) 848.10

195+00.00 R 2
852.42

18" RCP
TBR

75'-15" TYPE B @ 2.69%
(JACK AND BORE)
CFN 1977642

STA. 194+50.00

0 10 20 30 40 50 60 70 80 90 100 110

END AREA		VOLUME	
CUT	FILL	CUT	FILL
1	362		
		1	606
0	293		
		0	481
0	227		
		1	1087

CALCULATED MSW
CHECKED WAA

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

CLE-35-3.50
PHASE 5

306
736

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NOTE:
ALL ELEVATIONS SHOWN ARE EXISTING EDGE OF PAVEMENT ELEVATIONS.

24.0'
22'
859.39
860.10
860.04
℄ CONST GLEN ESTE-WITHAMSVILLE RD.
6.45'
860.35
860.62
860.52
860.56
61.0' R
860.59
860.95
861.24
861.50
861.78
861.79
8.2'
860.97
861.10
5.0' R
STA 144+06.97, 120.31' RT
℄ SR-32 = STA 21+03.90, 89.00' RT
℄ CONST GLEN ESTE-WITHAMSVILLE
R=65.00'
D=73°00'00"
L=82.82'
STA 143+30.65, 48.01' LT
℄ SR-32 = STA 20+56.61, 5.00' LT
℄ CONST GLEN ESTE-WITHAMSVILLE
R=5.00'
D=107°46'58"
L=9.41
859.47*
859.92
860.08
860.43
860.85
861.13
4.2'
24.0'
36.3'
SR-32 WB
N 37°04'30" E
19.0'
℄ CONST SR-32
STA 20+04.74 ℄ CONST GLEN ESTE-WITHAMSVILLE
STA 143+50.93 ℄ CONST SR-32
142
143
144

HORIZONTAL SCALE IN FEET
0 5 10 20

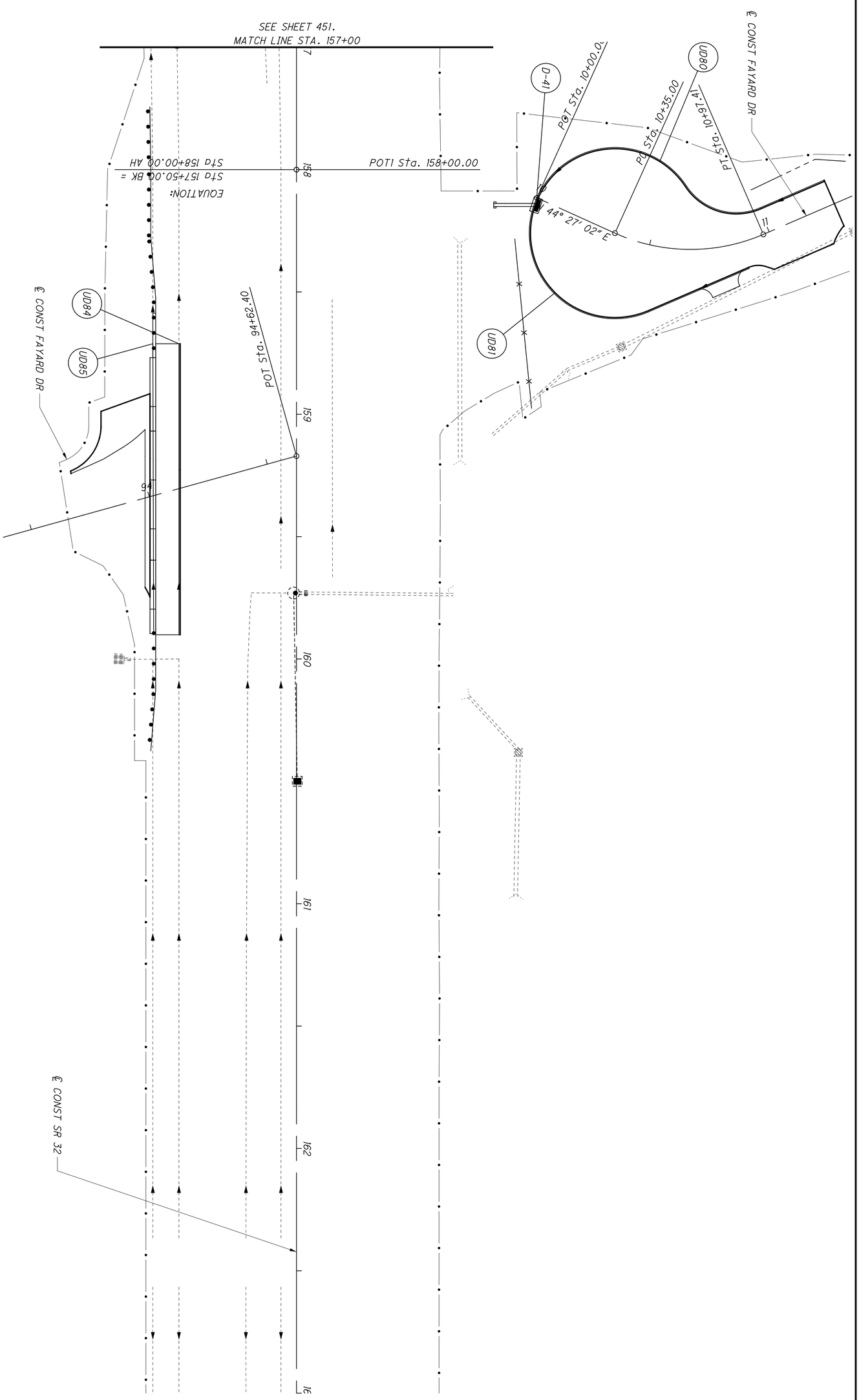
CALCULATED MSW
CHECKED WAA

INTERSECTION DETAIL
GLEN ESTE WITHAMSVILLE RD AT SR-32

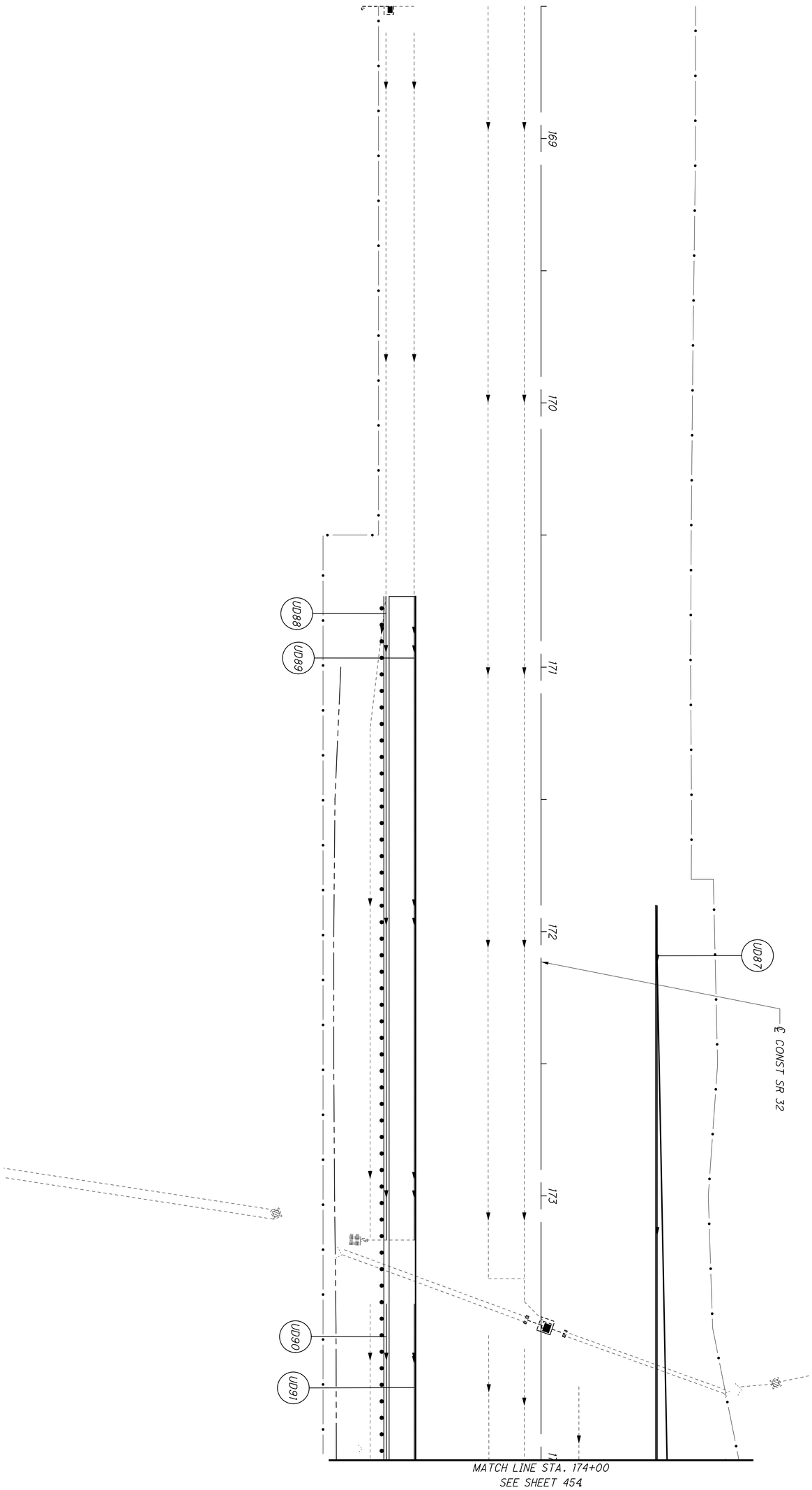
CLE-32-3.50
(PHASE 5)

414
736

\303.205\103954_GI514B.dgn 11/22/2021 6:59:20 PM rigreve



452 / 736	**CLE-32-3.50 (PHASE 5)**	**UNDERDRAIN PLAN - SR 32 STA. 157+00 (BK) TO STA. 163+00 (AH)**	CALCULATED MHT / CHECKED WAA	0 20 / 10 40 HORIZONTAL SCALE IN FEET



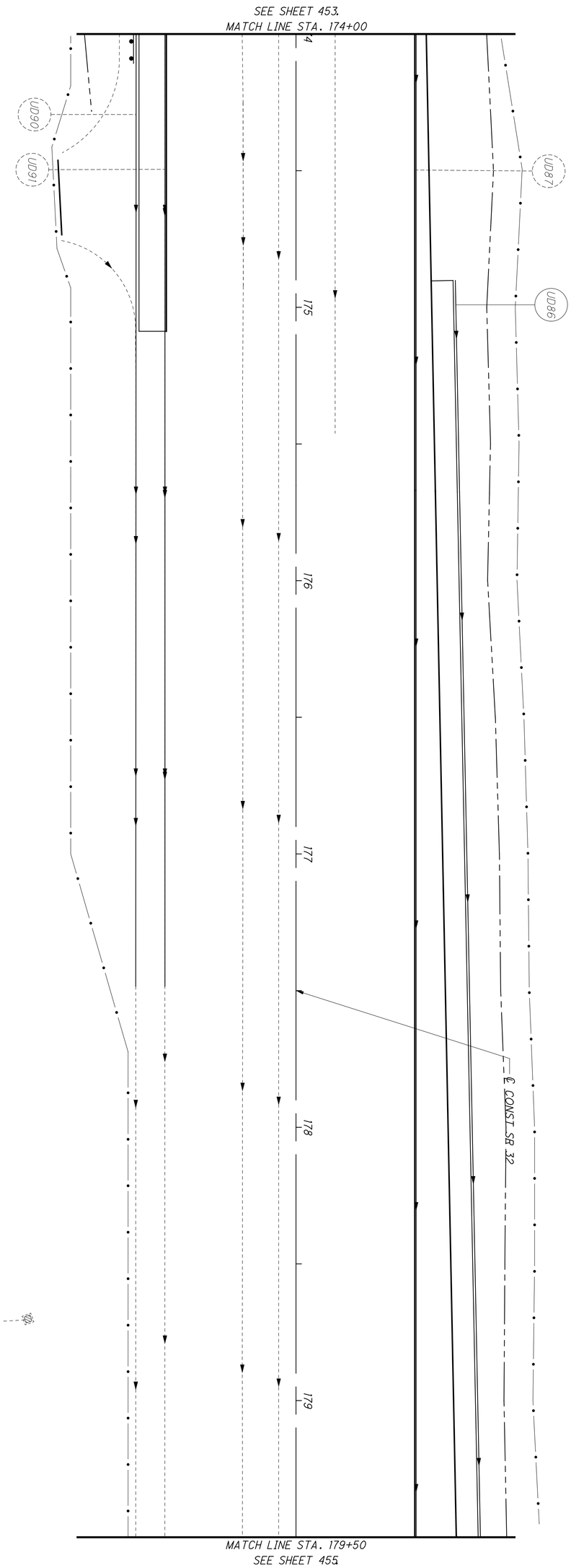
453
736

CLE-32-3.50
(PHASE 5)

DRAINAGE & UNDERDRAIN PLAN - SR 32
STA. 168+50 TO STA. 174+00

CALCULATED MHT
CHECKED WAA

0 10 20 40
HORIZONTAL SCALE IN FEET

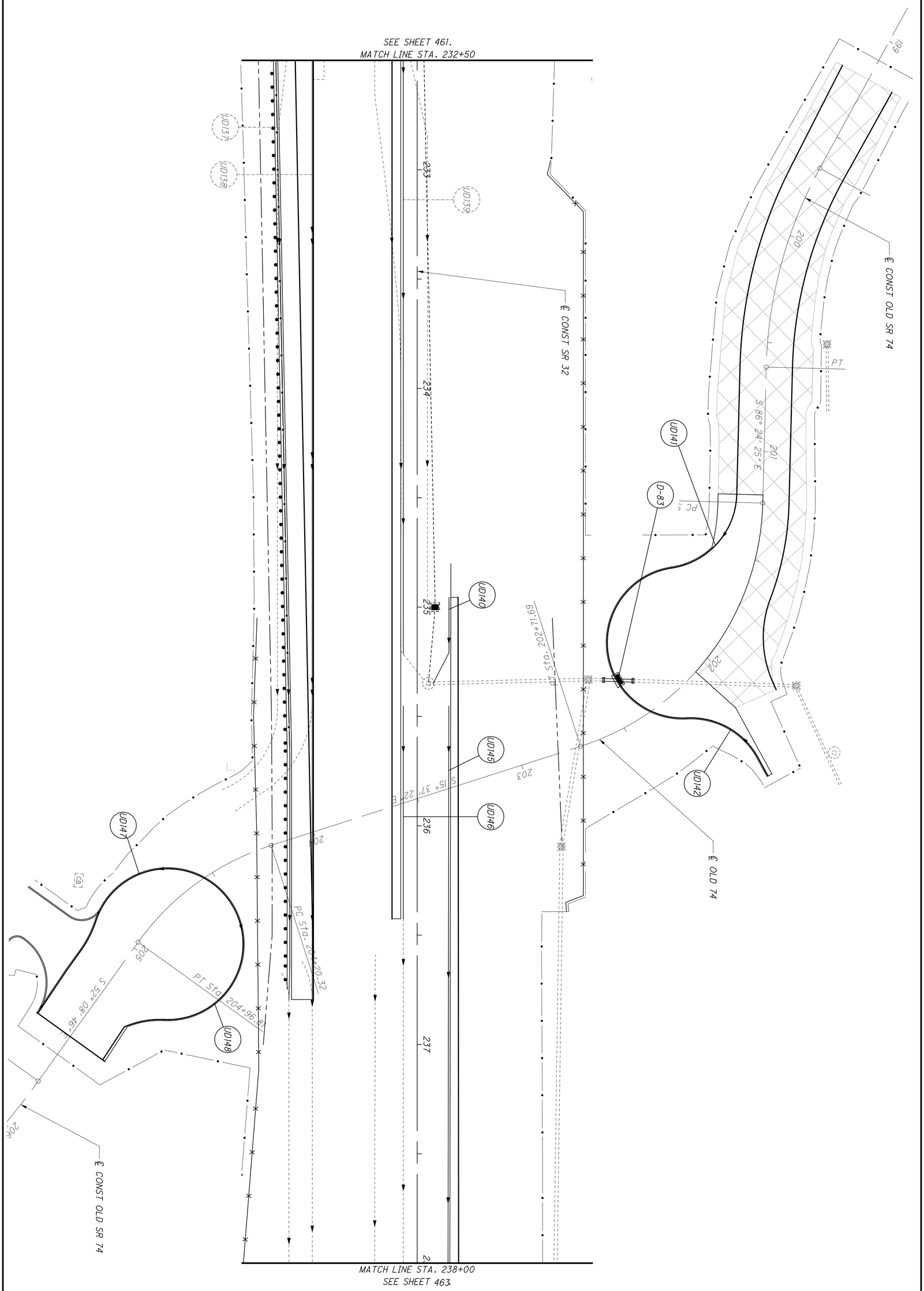


CLE-32-3.50
(PHASE 5)

DRAINAGE & UNDERDRAIN PLAN - SR 32
STA. 174+00 TO STA. 179+50

CALCULATED MHT
CHECKED WAA

0 10 20 40
HORIZONTAL SCALE IN FEET



462
736

CLE-32-3.50
(PHASE 5)

DRAINAGE & UNDERDRAIN PLAN - SR 32
STA. 232+50 TO STA. 238+00

CALCULATED MHT
CHECKED WAA

0 20
10 40
HORIZONTAL SCALE IN FEET

N

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	625 GROUND ROD EACH	630 GROUND MOUNTED SUPPORT, NO. 3 POST FT	630 GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12 FT	630 ONE WAY SUPPORT, NO. 3 POST FT	630 GROUND MOUNTED SUPPORT, PIPE FT	630 SIGN POST REFLECTOR EACH	630 BREAKAWAY STRUCTURAL BEAM CONNECTION EACH	630 TRIANGULAR SLIP BASE CONNECTION EACH	630 OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 6 EACH	630 OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 10 EACH	630 OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 12 EACH		630 OVERHEAD SIGN SUPPORT, TYPE TC-15.116, DESIGN 1 EACH	630 SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH	630 SIGN SUPPORT ASSEMBLY, BARRIER MOUNTED EACH	630 SIGN, FLAT SHEET SF
504	S1	BACH BUXTON	332+39	RT	M2-1	21 X 15														1		2.19
			332+39	RT	M1-5	24 X 24														1		4
	S2	BACH BUXTON	332+41	LT	R3-H8CG	48 X 30		26														10
	OS1	BACH BUXTON	334+00	RT	LEVEL 3	132 X 72	1								1							
	S3	BACH BUXTON	334+75	RT	R3-H8CG	48 X 30		26														10
	S4	BACH BUXTON	335+50	RT	R3-H8DF(MOD)	60 X 30		26														12.5
505	S5	BACH BUXTON	338+86	LT	R6-1R	54 X 18				14.5	16	2										6.75
			338+86	LT	R6-1L	54 X 18																6.75
			338+86	LT	R5-1	48 X 48																16
	S6	BACH BUXTON	339+39	LT	R6-1R	54 X 18				14.5	16	2										6.75
			339+39	LT	R6-1L	54 X 18																6.75
			339+39	LT	R5-1	48 X 48																16
	R1	BACH BUXTON	339+76	LT																		
	R2	BACH BUXTON	339+77	LT																		
	S7	BACH BUXTON	339+80	RT	R3-H8DF(MOD)	60 X 30		26														12.5
	OS2	BACH BUXTON	340+00	RT	LEVEL 3	96 X 84	1								1							
			340+00	RT	LEVEL 3	96 X 84																
	S8	RAMP O	196+90	RT	R6-1R	54 X 18				14.5	16	2										6.75
			196+90	RT	R6-1L	54 X 18																6.75
			196+90	RT	R5-1	48 X 48																16
	S9	RAMP O	196+94	LT	R6-1R	54 X 18				14.5	16	2										6.75
			196+94	LT	R6-1L	54 X 18																6.75
			196+94	LT	R5-1	48 X 48																16
506	OS3	BACH BUXTON	342+25	LT	LEVEL 3	96 X 84	1								1							
	S10	BACH BUXTON	343+13	LT	R3-H8EA(MOD)	66 X 30		26														13.75
	S10A	BACH BUXTON	343+37	LT	R2-1	48 X 48		29														8
	OS4	BACH BUXTON	343+50	LT	LEVEL 3	120 X 60	1								1							
	S11	BACH BUXTON	343+55	RT	R3-H8CC	48 X 30		26														10
	S12	RAMP N	197+20	LT	W4-2R	48 X 48		29														16
	S13	RAMP N	199+01	RT	R6-1R	54 X 18				14.5	16	2										6.75
			199+01	RT	R6-1L	54 X 18																6.75
			199+01	RT	R5-1	48 X 48																16
	S14	RAMP N	199+02	LT	R6-1R	54 X 18				14.5	16	2										6.75
			199+02	LT	R6-1L	54 X 18																6.75
			199+02	LT	R5-1	48 X 48																16
	S15	RAMP N	199+06	LT	R6-1R	54 X 18				14.5	16	2										6.75
			199+06	LT	R6-1L	54 X 18																6.75
			199+06	LT	R5-1	48 X 48																16
	S16	RAMP N	199+33	LT	R6-1R	54 X 18				14.5	16	2										6.75
			199+33	LT	R6-1L	54 X 18																6.75
			199+33	LT	R5-1	48 X 48																16
507	S17	BACH BUXTON	346+16	LT	R3-H8EA(MOD)	66 X 30		26														13.75
	OS5	BACH BUXTON	348+50	LT	LEVEL 3	132 X 72	1								1							
	S18	BACH BUXTON	349+00	RT	R3-H8CC	48 X 30		26														10
	S19	NOT USED																				
	S20	NOT USED																				
508		NONE																				
509		NONE																				
SUBTOTALS CARRIED TO SHEET 479							5	266		116	128	16			5					1		356.5

CALCULATED ACW
CHECKED WAA

SIGNING SUBSUMMARY

CLE-32-3.50 (PHASE 5)

SIGNING SUBSUMMARY

CALCULATED ACW | CHECKED WAA

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	625 GROUND ROD EACH	630 GROUND MOUNTED SUPPORT, NO. 3 POST FT	630 GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12 FT	630 ONE WAY SUPPORT, NO. 3 POST FT	630 GROUND MOUNTED SUPPORT, PIPE FT	630 SIGN POST REFLECTOR EACH	630 BREAKAWAY STRUCTURAL BEAM CONNECTION EACH	630 TRIANGULAR SLIP BASE CONNECTION EACH	630 OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 6 EACH	630 OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 10 EACH	630 OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 12 EACH		630 OVERHEAD SIGN SUPPORT, TYPE TC-15.116, DESIGN 1 EACH	630 SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH	630 SIGN SUPPORT ASSEMBLY, BARRIER MOUNTED EACH	630 SIGN, FLAT SHEET SF
510	OS6	SR 32	130+50	RT	LEVEL 1	240 X 96	1										1					
	R3	SR 32	130+53	RT																		
	S21	SR 32	133+50	RT	R3-33	78 X 36		28														19.5
	S22	SR 32	135+00	RT	RELOCATION				36.3				2									
	R4	SR 32	135+10	LT/RT																		
511	R5	SR 32	136+15	RT																		
	S23	SR 32	139+40	RT	R3-H8DN	54 X 30		26														11.25
	R6	SR 32	140+00	RT																		
512	R7	SR 32	142+45	RT																		
	R8	SR 32	142+50	RT																		
	S24	SR 32	142+50	RT	R3-H8DN	54 X 30		26														11.25
	R9	SR 32	144+38	LT																		
	R10	SR 32	144+43	LT																		
	S25	SR 32	144+45	LT	R3-H8CB	48 X 30		26														10
	R11	SR 32	144+83	RT																		
	R12	SR 32	145+95	LT																		
513	S26	SR 32	148+20	LT	R3-H8CB	48 X 30		26														10
	R13	SR 32	149+99	LT																		
514	R14	SR 32	152+18	LT																		
	R15	SR 32	154+00	RT																		
	R16	SR 32	154+95	LT																		
	R17	SR 32	155+00	LT																		
	R18	SR 32	155+00	RT																		
	R19	SR 32	155+00	RT																		
	R20	SR 32	156+00	RT																		
	R21	SR 32	156+00	RT																		
515	R22	SR 32	158+25	LT																		
	R23	SR 32	158+25	RT																		
	R24	SR 32	158+40	LT																		
	R25	SR 32	158+43	LT																		
	OS7	SR 32	158+80	RT	LEVEL 1	240 X 96	1									1						
	R26	SR 32	158+87	LT																		
	R27	SR 32	159+14	LT																		
	R28	SR 32	159+48	RT																		
	R29	SR 32	159+72	LT																		
	R30	SR 32	159+80	CL																		
	R31	SR 32	160+20	CL																		
	R32	SR 32	162+39	LT																		
	R33	SR 32	162+39	LT																		
	R34	FAYARD	11+38	RT																		
	R35	FAYARD	11+40	LT																		
	S27	FAYARD	10+28	RT	OM4-3	18 X 18		12.5														2.25
	S28	FAYARD	10+42	RT	OM4-3	18 X 18		12.5														2.25
SUBTOTALS FROM THIS SHEET							2	157	36.3				2			1	1					66.5
TOTALS FROM SHEET 477							5	266		116	128	16			5					1		356.5
SUBTOTALS CARRIED TO SHEET 481							7	423	36.3	116	128	16	2		5	1	1			1		423

CLE-32-3.50
(PHASE 5)

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	625 GROUND ROD EACH	630 GROUND MOUNTED SUPPORT, NO. 3 POST FT	630 GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12 FT	630 ONE WAY SUPPORT, NO. 3 POST FT	630 GROUND MOUNTED SUPPORT, PIPE FT	630 SIGN POST REFLECTOR EACH	630 BREAKAWAY STRUCTURAL BEAM CONNECTION EACH	630 TRIANGULAR SLIP BASE CONNECTION EACH	630 OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 6 EACH	630 OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 10 EACH	630 OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 12 EACH		630 OVERHEAD SIGN SUPPORT, TYPE TC-15.116, DESIGN 1 EACH	630 SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH	630 SIGN SUPPORT ASSEMBLY, BARRIER MOUNTED EACH	630 SIGN, FLAT SHEET SF
516	R36	SR 32	164+56	LT																		
517	R37	SR 32	170+73	RT																		
	R38	SR 32	171+49	LT																		
	R39	SR 32	171+50	RT																		
	R40	SR 32	173+95	RT																		
	R41	SR 32	173+95	RT																		
518	R42	SR 32	174+72	RT																		
	R43	SR 32	174+82	RT																		
	R44	SR 32	174+86	RT																		
519	R45	SR 32	181+45	CL																		
	R46	SR 32	181+45	RT																		
	R47	SR 32	183+00	RT																		
	OS8	SR 32	184+00	RT	LEVEL 1	276 X 72	1									1						
	R48	SR 32	184+50	RT																		
	R49	SR 32	184+50	RT																		
520	R50	SR 32	187+50	LT																		
	R51	SR 32	187+50	RT																		
	R52	SR 32	187+51	LT																		
	R53	SR 32	187+79	RT																		
	R54	SR 32	188+25	CL																		
	S29	SR 32	188+50	LT	W4-1R	48 X 48		29				2										16
	S30	SR 32	189+00	RT	E5-H1d	48 X 84					16			1								
	R55	SR 32	189+35	CL																		
	R56	SR 32	189+40	CL																		
	R57	SR 32	189+71	LR																		
	R58	SR 32	189+75	RT																		
	R59	SR 32	189+96	LT																		
	R60	SR 32	190+00	CL																		
521	S31	RAMP N	191+80	LT	W4-2R	48 X 48		29														16
	R61	SR 32	192+43	LT																		
	R62	SR 32	192+45	CL																		
	R63	SR 32	192+47	LT																		
	R64	SR 32	192+50	CL																		
	R65	SR 32	193+00	RT																		
	R66	SR 32	193+00	RT																		
	R67	SR 32	194+00	RT																		
	R68	SR 32	194+00	RT																		
	OS9	RAMP O	194+00	LT/RT	LEVEL 2	204 X 78	2												1			
			194+00	LT/RT	LEVEL 2	204 X 66																
	S32	RAMP O	194+05	RT	R5-1A	42 X 30		26				2										8.75
			194+05	RT	R5-1A	42 X 30																8.75
	S33	RAMP O	194+06	LT	R5-1A	42 X 30						1									1	8.75
			194+06	LT	R5-1A	42 X 30																8.75
	R69	SR 32	194+60	LT																		
	R70	SR 32	195+65	CL																		
	R71	SR 32	195+65	RT																		
SUBTOTALS FROM THIS SHEET							3	84			16	5		1		1			1		1	67
TOTALS FROM SHEET 479							7	423	36.3	116	128	16	2		5	1	1			1		423
SUBTOTALS CARRIED TO SHEET 483							10	507.0	36.3	116	144	21	2	1	5	2	1		1	1	1	490

CALCULATED ACW
CHECKED WAA

SIGNING SUBSUMMARY

CLE-32-3.50
(PHASE 5)

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	625 GROUND ROD EACH	630 GROUND MOUNTED SUPPORT, NO. 3 POST FT	630 GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12 FT	630 ONE WAY SUPPORT, NO. 3 POST FT	630 GROUND MOUNTED SUPPORT, PIPE FT	630 SIGN POST REFLECTOR EACH	630 BREAKAWAY STRUCTURAL BEAM CONNECTION EACH	630 TRIANGULAR SLIP BASE CONNECTION EACH	630 OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 6 EACH	630 OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 10 EACH	630 OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 12 EACH		630 OVERHEAD SIGN SUPPORT, TYPE TC-15.116, DESIGN 1 EACH	630 SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH	630 SIGN SUPPORT ASSEMBLY, BARRIER MOUNTED EACH	630 SIGN, FLAT SHEET SF
522	R72	SR 32	196+99	RT																		
	R73	SR 32	197+03	RT																		
	R74	SR 32	197+21	LT																		
	R75	SR 32	197+35	CL																		
	R76	SR 32	198+43	LT																		
	R77	SR 32	198+42	RT																		
	S34	RAMP P	198+50	RT	W4-2R	48 X 48		29														16
	R78	SR 32	198+75	LT																		
	R79	SR 32	198+75	CL																		
	OS10	RAMP Q	201+25	LT/RT	LEVEL 2	204 X 66	2												1			
			201+25	LT/RT	LEVEL 2	204 X 78																
523	S35	RAMP Q	202+41	LT	R5-1A	42 X 30		26				2										8.75
			202+41	LT	R5-1A	42 X 30																8.75
	S36	RAMP Q	202+41	RT	R5-1A	42 X 30		26				2										8.75
			202+41	RT	R5-1A	42 X 30																8.75
	S37	SR 32	205+50	RT	W4-1R	48 X 48		29				2										16
	R80	SR 32	206+00	RT																		
524	S38	SR 32	208+00	LT	E5-H1d	48 X 84					16			1								
	R81	SR 32	210+80	CL																		
	R82	SR 32	210+80	RT																		
	R83	SR 32	210+87	LT																		
	OS11	RAMP Q	211+00	LT	LEVEL 1	276 X 72	1									1						
	R84	SR 32	212+16	LT																		
	S39	SR 32	212+50	LT	D14-H4	48 X 30		26														10
525	R85	SR 32	214+10	LT																		
	R86	SR 32	217+37	RT																		
526	R87	SR 32	232+90	LT																		
	R88	SR 32	232+90	RT																		
	R89	SR 32	234+36	LT																		
	R90	SR 32	235+00	LT																		
	R91	SR 32	235+00	RT																		
	R92	SR 32	235+15	LT																		
	R93	SR 32	235+16	LT																		
	R94	SR 32	235+22	LT																		
	R95	SR 32	235+50	RT																		
	R96	SR 32	236+45	CL																		
	R97	SR 32	236+68	LT																		
	R98	SR 32	236+68	CL																		
	R99	SR 32	237+30	RT																		
527	R100	SR 32	238+80	LT																		
	R101	SR 32	238+80	LT																		
	R102	SR 32	239+87	LT																		
SUBTOTALS FROM THIS SHEET							3	136			16	6		1		1			1			77
TOTALS FROM SHEET 481							10	507	36.3	116	144	21	2	1	5	2	1		1	1	1	490
SUBTOTALS CARRIED TO SHEET 485							13	643	36.3	116	160	27	2	2	5	3	1		2	1	1	567

CALCULATED ACW
CHECKED WAA

SIGNING SUBSUMMARY

CLE-32-3.50
(PHASE 5)

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	625 GROUND ROD EACH	630 GROUND MOUNTED SUPPORT, NO. 3 POST FT	630 GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12 FT	630 ONE WAY SUPPORT, NO. 3 POST FT	630 GROUND MOUNTED SUPPORT, PIPE FT	630 SIGN POST REFLECTOR EACH	630 BREAKAWAY STRUCTURAL BEAM CONNECTION EACH	630 TRIANGULAR SLIP BASE CONNECTION EACH	630 OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 6 EACH	630 OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 10 EACH	630 OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 12 EACH		630 OVERHEAD SIGN SUPPORT, TYPE TC-15.116, DESIGN 1 EACH	630 SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH	630 SIGN SUPPORT ASSEMBLY, BARRIER MOUNTED EACH	630 SIGN, FLAT SHEET SF
528	R103	SR 32	247+75	LT																		
	R104	SR 32	247+75	LT																		
529	OS12	SR 32	252+00	LT	LEVEL 1	240 X 96	1									1						
530	OS13	SR 32	277+50	LT	LEVEL 1	240 X 96	1									1						
		CALLOUTS R105 - R109 NOT USED																				
		CALLOUTS S40 - S44 NOT USED																				
531	R110	CLEPPER	29+25	RT																		
	S45	CLEPPER	32+00	RT	M6-3	21 X 15																2.19
	R111	CLEPPER	35+10	LT																		
	S46	GEW	10+60	RT	M4-5	24 X 12		16														2
			10+60	RT	M1-5	24 X 24																4
			10+60	RT	M6-1	21 X 15																2.19
	R112	GEW	13+05	RT																		
532	S47	GEW	14+80	RT	R3-H8BH	36 X 30		13														7.5
	S48	GEW	15+68	RT	R3-H8BD	30 X 30		13														6.25
	R113	GEW	15+78	RT																		
	R114	GEW	15+83	LT																		
	S49	GEW	16+79	RT	R3-5L	30 X 36		13.5														6.25
	S50	GEW	16+82	RT	R3-2	24 X 24		12.5														4
	R115	GEW	17+20	RT																		
	S51	GEW	18+06	LT	R3-H8BH	36 X 30		13														7.5
	R116	GEW	18+32	RT																		
533	R117	GEW	21+97	LT																		
	R118	GEW	22+23	RT																		
	S52	GEW	23+00	RT	R3-H8CG	48 X 30		26														10
	R119	GEW	23+70	LT																		
	S53	GEW	23+90	LT	R3-2	24 X 24		12.5														4
	S54	GEW	23+97	LT	R3-5L	30 X 36		13.5														6.25
	S55	GEW	24+14	LT	R3-5L	30 X 36		13.5														6.25
	S56	GEW	24+39	RT	R3-5R	30 X 36		13.5														6.25
	S57	GEW	26+08	RT	R3-H8CG	48 X 30		26														10
534	S58	EASTGATE	47+01	RT	R3-H8BH	36 X 30		13														7.5
	S59	GEW	27+30	LT	R3-8B	48 X 30		26														10
	R120	GEW	27+97	LT																		
	S60	GEW	28+81	LT	R3-8B	48 X 30		26														10
535	S61	ELICK	48+20	RT	W14-2	30 X 30		14														6.25
	R121	ELICK	48+74	RT																		
	S62	ELICK	49+50	LT	R3-H8BH	36 X 30		13														7.5
	R122	ELICK	50+41	LT																		
	S63	ELICK	50+76	LT	OM4-3	18 X 18		12.5														2.25
	R123	ELICK	50+78	LT																		
	S64	ELICK	50+82	LT	OM4-3	18 X 18		12.5														2.25
	R124	ELICK	50+95	RT																		
SUBTOTALS FROM THIS SHEET							2	303								2						130.38
TOTALS FROM SHEET 483							13	643	36.3	116	160	27	2	2	5	3	1		2	1	1	567
SUBTOTALS CARRIED TO SHEET 487							15	946	36.3	116	160	27	2	2	5	5	1		2	1	1	697.38

CALCULATED ACW
CHECKED WAA

SIGNING SUBSUMMARY

CLE-32-3.50 (PHASE 5)

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	625 GROUND ROD EACH	630 GROUND MOUNTED SUPPORT, NO. 3 POST FT	630 GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12 FT	630 ONE WAY SUPPORT, NO. 3 POST FT	630 GROUND MOUNTED SUPPORT, PIPE FT	630 SIGN POST REFLECTOR EACH	630 BREAKAWAY STRUCTURAL BEAM CONNECTION EACH	630 TRIANGULAR SLIP BASE CONNECTION EACH	630 OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 6 EACH	630 OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 10 EACH	630 OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 12 EACH		630 OVERHEAD SIGN SUPPORT, TYPE TC-15.116, DESIGN 1 EACH	630 SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH	630 SIGN SUPPORT ASSEMBLY, BARRIER MOUNTED EACH	630 SIGN, FLAT SHEET SF
536	S65	ELICK	59+98	RT	OM4-3	18 X 18		12.5														2.25
	S66	ELICK	59+98	LT	OM4-3	18 X 18		12.5														2.25
	R125	ELICK	60+73	LT																		
	R126	ELICK	61+48	RT																		
	R127	ELICK	63+17	LT																		
	S67	ELICK	63+68	LT	W14-2	30 X 30		14														6.25
537	R128	CLEPPER	48+95	RT																		
	R129	CLEPPER	49+35	LT																		
	S68	FAYARD	90+29	RT	W14-1	30 X 30		14														6.25
	R130	FAYARD	93+79	RT																		
	R131	FAYARD	93+83	RT																		
	S69	FAYARD	94+00	RT	OM4-3	18 X 18															1	
	S70	FAYARD	94+03	LT	OM4-3	18 X 18															1	
538	R132	OLD 74	195+97	RT																		
	S71	OLD 74	197+50	RT	W14-2	30 X 30		14														6.25
	R133	OLD 74	197+68	RT																		
	R134	OLD 74	201+56	LT																		
	R135	OLD 74	201+81	LT																		
	R136	OLD 74	201+86	RT																		
	R137	OLD 74	201+93	LT																		
	S72	OLD 74	201+94	LT	R1-2	30 X 30		13														3.13
	S73	OLD 74	202+23	LT	OM4-3	18 X 18		12.5														2.25
	S74	OLD 74	202+35	LT	OM4-3	18 X 18		12.5														2.25
	S75	OLD 74	202+41	RT	OM4-3	18 X 18		12.5														2.25
539	S76	OLD 74	204+51	LT	OM4-3	18 X 18		12.5														2.25
	S77	OLD 74	204+56	RT	OM4-3	18 X 18		12.5														2.25
	R138	OLD 74	205+53	LT																		
	S78	OLD 74	207+88	LT	W14-1	30 X 30		14														6.25
	R139	OLD 74	210+75	LT																		
SUBTOTALS FROM THIS SHEET								156.5													2	43.88
TOTALS FROM SHEET 485							15	946	36.3	116	160	27	2	2	5	5	1		2	1	1	697.38
SUBTOTALS CARRIED TO GENERAL SUMMARY							15	1,102.5	36.3	116	160	27	2	2	5	5	1		2	1	3	741.26

CALCULATED ACW
CHECKED WAA

SIGNING SUBSUMMARY

CLE-32-3.50
(PHASE 5)

SHEET NUM.													PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
11	12	13	73	74	75	76	77	81	83	275			02/NHS/PV						
																		ROADWAY	
LS													LS	201	11000	LS		CLEARING AND GRUBBING	
			7										7	202	20010	7	EACH	HEADWALL REMOVED	
			7,144										7,144	202	23000	7,144	SY	PAVEMENT REMOVED	
			849										849	202	30700	849	FT	CONCRETE BARRIER REMOVED	
			1,047										1,047	202	35100	1,047	FT	PIPE REMOVED, 24" AND UNDER	
			229										229	202	38000	229	FT	GUARDRAIL REMOVED	
			54										54	202	38300	54	FT	GUARDRAIL REMOVED, BARRIER DESIGN	
			2										2	202	47800	2	EACH	IMPACT ATTENUATOR REMOVED	
			6,409										6,409	202	48000	6,409	FT	CABLE BARRIER REMOVED	
			3										3	202	58000	3	EACH	MANHOLE REMOVED	
			8										8	202	58100	8	EACH	CATCH BASIN REMOVED	
			51										51	SPECIAL	20270000	51	FT	FILL AND PLUG EXISTING CONDUIT (12"-15")	12
			1,419										1,419	202	75000	1,419	FT	FENCE REMOVED	
					11,231								11,231	203	10000	11,231	CY	EXCAVATION	
					727								727	203	20000	727	CY	EMBANKMENT	
								114					114	204	10000	114	SY	SUBGRADE COMPACTION	
	17												17	204	45000	17	HOUR	PROOF ROLLING	
								34,112					34,112	206	10020	34,112	SY	LIME STABILIZED SUBGRADE, 14 INCHES DEEP	
								1,030					1,030	206	10300	1,030	TON	LIME	
								34,226					34,226	206	11000	34,226	SY	CURING COAT	
				1,950									1,950	606	15050	1,950	FT	GUARDRAIL, TYPE MGS	
				4									4	606	26150	4	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	
				3									3	606	26550	3	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
				1									1	606	60028	1	EACH	IMPACT ATTENUATOR, TYPE 2 (BIDIRECTIONAL) (60 MPH/34" WIDTH)	
				1,317									1,317	607	23000	1,317	FT	FENCE, TYPE CLT	
				1,317									1,317	607	70000	1,317	FT	FENCELINE SEEDING AND MULCHING	
				7,771									7,771	622	10140	7,771	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE C1	
				1									1	622	24860	1	EACH	CONCRETE BARRIER END SECTION, TYPE C1	
				42									42	622	25014	42	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1	
				1									1	622	25015	1	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1, AS PER PLAN	178
										13			13	623	38500	13	EACH	MONUMENT ASSEMBLY	
																		EROSION CONTROL	
		8					4						12	601	21050	12	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
						5							5	601	32204	5	CY	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	
	2												2	659	00100	2	EACH	SOIL ANALYSIS TEST	
	1,194												1,194	659	00300	1,194	CY	TOPSOIL	
	10,753												10,753	659	10000	10,753	SY	SEEDING AND MULCHING	
	538												538	659	14000	538	SY	REPAIR SEEDING AND MULCHING	
	538												538	659	15000	538	SY	INTER-SEEDING	
	1.5												1.5	659	20000	1.5	TON	COMMERCIAL FERTILIZER	
	2.22												2.22	659	31000	2.22	ACRE	LIME	
	60												60	659	35000	60	MGAL	WATER	
	24												24	659	40000	24	MSF	MOWING	
						142							142	670	00710	142	SY	DITCH EROSION PROTECTION MAT, TYPE A	
									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	
									120,281				120,281	832	30000	120,281	EACH	EROSION CONTROL	

CALCULATED MSW
CHECKED WAA

GENERAL SUMMARY

CLE-32-2.65
(PHASE 7)

SHEET NO.	REFERENCE NO.	STATION FROM	STATION TO	SIDE	202 HEADWALL REMOVED EACH		202 PAVEMENT REMOVED SY	202 CONCRETE BARRIER REMOVED FT		202 PIPE REMOVED, 24" AND UNDER FT		202 GUARDRAIL REMOVED FT	202 GUARDRAIL REMOVED, BARRIER DESIGN FT	202 IMPACT ATTENUATOR REMOVED EACH	202 CABLE BARRIER REMOVED FT		202 MANHOLE REMOVED EACH	202 CATCH BASIN REMOVED EACH		202 SPECIAL - FILL AND PLUG EXISTING CONDUIT (12"-15") FT	202 FENCE REMOVED FT	
86	R-1	133+95.00	142+03.69	LT			899.3															
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	158+12.77	LT			1,597.9															
87	R-16	150+21.50	152+75.00	RT			131.9															
87	R-17	153+50.00	158+52.30	LT			171.7															
88	R-19	159+32.74	171+90.25	LT			1,438.9															
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															
	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-51	216+53.87	234+71.22	LT			264.3															
92	R-52	232+00.00	235+34.91	LT						335.1							1	2				
93	R-53	236+35.29	240+47.17	LT			181.8															
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		7,114	849		1,047		229	54	2	6,409		3	8		51	1,419	

CALCULATED MSW
CHECKED WAA

REMOVAL ESTIMATED QUANTITIES

CLE-32-2.65
(PHASE 7)

SR-32
CURVE DATA NO. 1
P.I. Sta. 139+83.95
Δ = 3° 53′ 06″ (LT)
Dc = 0° 20′ 00″
R = 17,188.74′
T = 582.99′
L = 1,165.53′
E = 9.88′
e_{max} = NC
PC Sta. 134+00.97
PT Sta. 145+66.49

FOR UNDERDRAIN DETAILS
SEE SHEETS 196 - 213 .

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.

BEGIN PROJECT
STA 133+95.00
SLM 2.54
NON-FEDERAL

BEGIN WORK
STA 103+73.00

BEGIN MEDIAN BARRIER

S 65° 58′ 57″ E

+95.00
47.17′ LT

+50.54
22.53′ LT
PROP CONC. BARRIER, TYPE C1

+95.00
11.17′ LT
EX CONC BARRIER (TBR)

℄ CONST SR-32

+88.47
44.00′ LT

CONST LIMITS

+85.95

AA, MGS TYPE T

AA, MGS TYPE E

GR, TYPE MGS

+39.61

+38.40
19.69′ LT

+03.69
54.24′ LT

+03.69
43.37′ LT

+38.41
15.00′ LT

SAW CUT

MH RTG

I-3C1

CURVE DATA NO. 1

MATCHLINE STA. 143+00
SEE SHEET 87

+50.00
9.61′ RT
CONST LIMITS

+39.54

EX. GUARDRAIL (DND)

+95.00
1.17′ RT
BEGIN PAV'T TAPER

+95.00
69.17′ RT

+01.15
1.17′ RT

+20.00
END PAV'T TAPER

R-1 R-2 R-3 R-4 R-5 R-7 R-8 R-9 G-1 B-1

EASTGATE NORTH DR
℄ CONST GLEN-ESTE WITHAMSVILLE RD

1 STORY CANOPY COMMERCIAL
1 STORY FRAME COMMERCIAL
1 STORY BRICK COMMERCIAL
1 STORY FRAME SHED

12" RCP 12" CMP 15" RCP 15" UNK 18" RCP 18" CMP 21" RCP 21" CMP 24" RCP 60" CMP 72" CMP 6" UNK 12" CPP 15" CPP 18" CPP

WATER MAIN

GRAPHIC GRADE

PROP. WB
PROP. EB

STA 138+50.00, 3.17′ RT
I-3-C1
SEE SHEET 99

PROP. EB PROFILE
PROP. WB PROFILE

TBR
STA 141+56.04, 12.24′ LT
EX. CB
SEE SHEET 101

TBR
STA 136+41.79, 11.73′ LT
EX. CB
SEE SHEET 97

ATG
STA 138+47.45, 7.27′ LT
EX. MH
SEE SHEET 99

MATCH EXIST.
851.23 851.24
STA. 133+95.00

TO REMAIN
STA 133+16.24, 0.04′ RT
EX. INLET, GRATE ELEV 848.50
EX. 24" CMP N 839.66
EX. 21" RCP S 839.66
EX. 18" CPP E 839.66

EX. PROFILE

EX. 15" CPP
TO REMAIN

10′-15" TYPE B, AS PER PLAN

EX. 18" CPP
TO REMAIN

TBR
STA 141+14.36, 12.02′ LT
EX. CB
SEE SHEET 100

TBR
STA 142+31.70, 7.12′ LT
EX MH
SEE SHEET 102

EX. 12" CPP TBR
EX. 6" WM
EX. 12" CPP TBR

851.35 851.61 851.87 852.13 852.39 852.65 852.91 853.18 853.45 853.70 853.95 854.22 854.48 854.73 854.99 855.20 855.42 855.76 856.11 856.36 856.60 856.90 857.19 857.46 857.72 857.98 858.24 858.51 858.77 859.00 859.23 859.52 859.81 860.08 860.35 860.64 860.93

851.35 851.60 851.84 852.12 852.40 852.62 852.84 853.12 853.39 853.64 853.89 854.21 854.52 854.76 854.99 855.26 855.52 855.82 856.11 856.44 856.77 857.03 857.29 857.58 857.88 858.15 858.43 858.81 859.19 859.58 859.96 860.34 860.72 861.07 861.41 861.61 861.81

845.91 846.99 847.37 847.95 848.47 848.91 848.90 850.47 851.26 852.00 852.60 853.09 853.43 853.89 854.37 854.96 855.66 856.17 856.71 857.23 857.82 858.37 859.01 859.76 860.34 860.78

865 860 855 850 845 840 835

131+00 132+00 133+00 134+00 135+00 136+00 137+00 138+00 139+00 140+00 141+00 142+00 143+00

HORIZONTAL SCALE IN FEET
0 25 50 100

CALCULATED GAH CHECKED WAA

PLAN AND PROFILE - SR-32
STA. 130+50 TO STA 143+00

CLE-32-2.65
(PHASE 7)

86
316

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SR-32
CURVE DATA NO. 1
P.I. Sta. 139+83.95
Δ = 3° 53′ 06″ (LT)
Dc = 0° 20′ 00″
R = 17,188.74′
T = 582.99′
L = 1,165.53′
E = 9.88′
e_{max} = NC
PC Sta. 134+00.97
PT Sta. 145+66.49

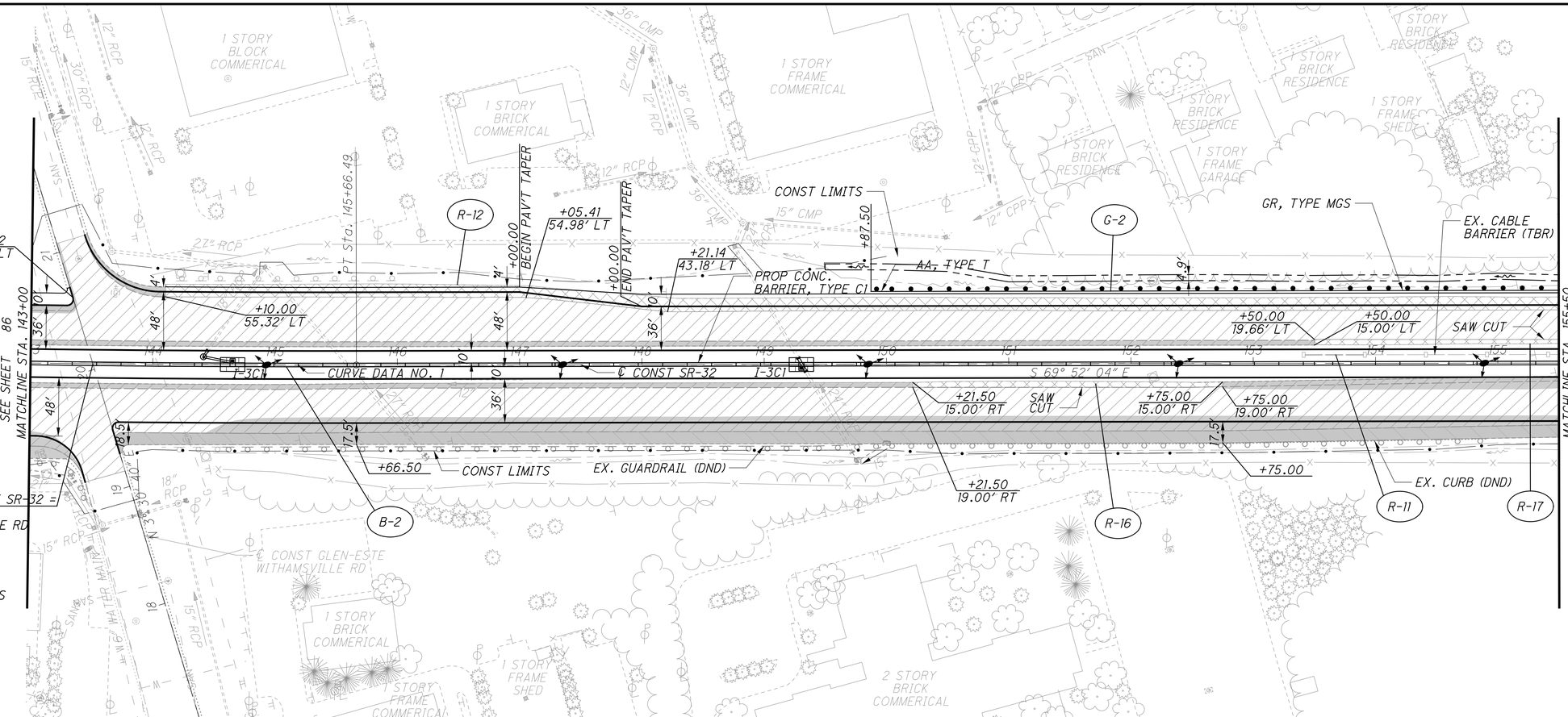
FULL DEPTH ASPHALT PAVEMENT PLACED WITH PHASE 3 OR 5. (PID 103755/103954)

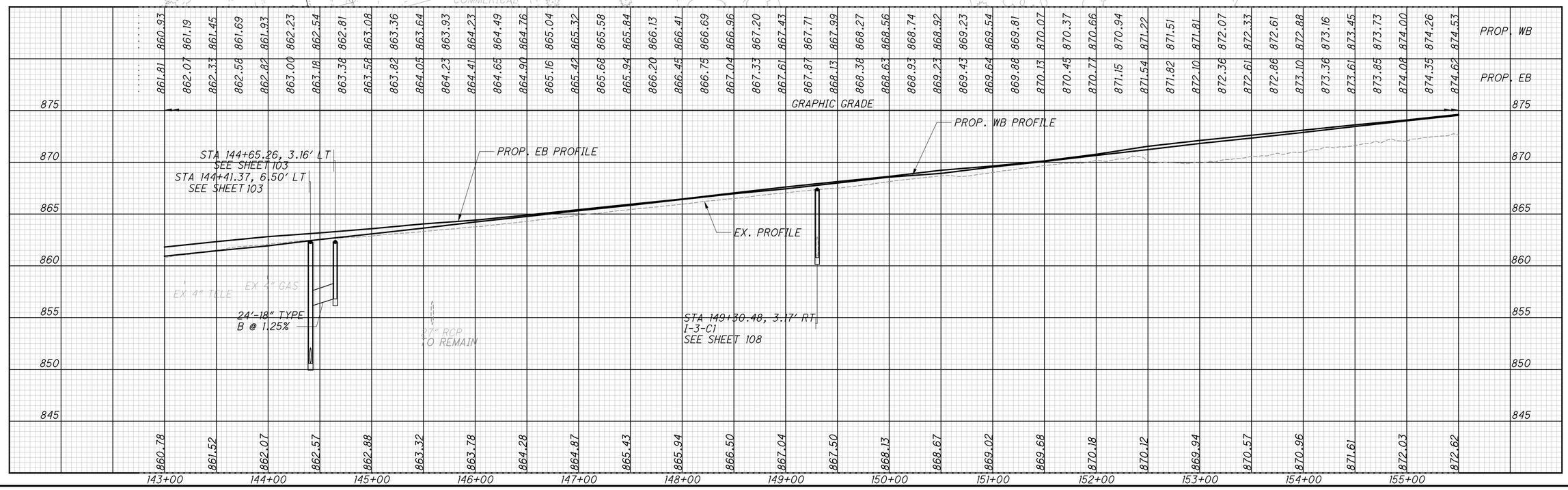
EXISTING ASPHALT PAVEMENT REMOVED.

STA 143+50.93 ℄ CONST SR-32 = STA 20+04.74 ℄ CONST GLEN ESTE-WITHAMSVILLE RD

FOR UNDERDRAIN DETAILS SEE SHEETS 196 - 213 .

VARIABLE DEPTH PLANING AND OVERLAY. SEE TYPICAL SECTIONS.





HORIZONTAL SCALE IN FEET
0 25 50 100
CALCULATED GAH CHECKED WAA

PLAN AND PROFILE - SR-32
STA. 143+00 TO STA. 155+50

CLE-32.265
(PHASE 7)

87
316

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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 .

SEE SHEET 87 MATCHLINE STA. 155+50

SEE SHEET 89 MATCHLINE STA. 168+50

GR, TYPE MGS

+52.30 18.75' LT

+12.77 47.50' LT

+12.80 43.57' LT

+00.00 7.50' RT

+00.00 57.50' RT

+32.74 47.50' LT

+32.74 43.62' LT

+03.13

+66.43 18.89' LT

+66.43 15.89' LT

+52.28 15.75' LT

EQUATION: Sta 157+50.00 BK = Sta 158+00.00 AH

6" TYPE B

I-3C1

AA, TYPE E

SAW CUT

S 69° 52' 04" E

PROP CONC. BARRIER, TYPE C1

℄ CONST SR-32

CONST LIMITS

PROP. FENCE TYPE CL

EX CABLE BARRIER (TBR)

PRESENCE OF UNDERGROUND ELECTRIC IS UNCONFIRMED. CONTRACTOR SHALL TAKE CAUTION AND FIELD VERIFY PRIOR TO PERFORMING WORK IN THIS AREA.

HW-2.1 OR 2.2

R-12 R-17 G-2 R-20 R-21 R-22 R-23 R-24 R-25 R-19 R-27 B-3 R-11 F-1 R-26

1 STORY BRICK RESIDENCE · 1 STORY FRAME · 1 STORY BRICK CHURCH · 2 STORY BRICK RESIDENCE · FAYARD DR · 12" RCP · 15" RCP · 18" CMP · 12" CPP · SAN · W MAIN

PROP. WB

PROP. EB

GRAPHIC GRADE

PROP. EB PROFILE

PROP. WB PROFILE

EX. PROFILE

STA 158+44.00 R 2, 3.17' RT
I-3-C1
SEE SHEET 114

TBR
STA 160+50.00 R 2, 0.31' LT
EX CB-8
SEE SHEET 115

TBR
STA 159+73.04 R 2, 1.17' RT
EX. MH
SEE SHEET 115

EX 6" WM · 12" TBR

874.81 875.08 875.35 875.62 875.88 876.13 876.39 876.65 876.90 877.15 877.33 877.50 877.66 877.82 877.95 878.09 878.16 878.24 878.35 878.47 878.54 878.61 878.67 878.74 878.75 878.76 878.77 878.78 878.77 878.76 878.67 878.58 878.52 878.45 878.36 878.26 878.12 877.98 877.84 877.70 877.58 877.45 877.25 877.06 876.83 876.60 876.37 876.13 875.92 875.70

874.86 875.10 875.36 875.62 875.88 876.13 876.39 876.65

873.33 874.27 875.04 875.73 876.42 877.14 877.59 876.63 876.79 876.92 877.10 877.30 877.37 877.48 877.30 877.19 877.01 876.67 876.25 876.16 875.57 875.26 874.74 874.34 873.65

885 880 875 870 865 860 855

156+00 157+00 158+00 159+00 160+00 161+00 162+00 163+00 164+00 165+00 166+00 167+00 168+00

N

0 25 50 100 HORIZONTAL SCALE IN FEET

CALCULATED GAH CHECKED WAA

PLAN AND PROFILE - SR-32
STA. 155+50 TO STA 168+50

CLE-32-2.65 (PHASE 7)

88 316

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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 .

PRESENCE OF UNDERGROUND ELECTRIC IS UNCONFIRMED. CONTRACTOR SHALL TAKE CAUTION AND FIELD VERIFY PRIOR TO PERFORMING WORK IN THIS AREA.

SEE SHEET 88 MATCHLINE STA. 168+50

MATCHLINE STA. 181+00 SEE SHEET 90

PROP. FENCE TYPE CL

R-26

R-27

R-19

+90.25 43.43' LT

F-1

CONST LIMITS

GR, TYPE MGS

+90.25 47.50' LT

24" CMP

HW-2.1 OR 2.2

R-32

AA, TYPE T

+90.17 BEGIN RAMP TAPER

G-3

AA, TYPE E

+58.11

B-4

+37.50

SAW CUT

+90.25

+90.20 43.50' LT

+90.41

S 69° 52' 04" E

I-3C1

℄ CONST SR-32

EX CABLE BARRIER (TBR)

+84.34 20.45' LT

+84.34 16.77' LT

+64.35 15.93' LT

+64.36 19.79' LT

PROP CONC. BARRIER, TYPE C1

R-11

CONST LIMITS

R-25

R-30

42" UNK

24" UNK

12" PVC

1 STORY FRAME COMMERICAL

1 STORY FRAME COMMERICAL

GRAPHIC GRADE

PROP. PROFILE

EX. PROFILE

STA 173+47.27 R 2, 3.17' RT
I-3-C1
SEE SHEET 124

TBR
STA 173+50.00 R 2, 2.18' LT
EX. CB-8A
SEE SHEET 124

875.70 875.52 875.34 875.08 874.81 874.61 874.40 874.19 873.98 873.74 873.51 873.28 873.06 872.84 872.62 872.41 872.19 871.95 871.71 871.53 871.35 871.12 870.89 870.67 870.46 870.22 869.97 869.81 869.65 869.42 869.19 868.98 868.76 868.55 868.33 868.11 867.88 867.67 867.46 867.25 867.03 866.81 866.59 866.35 866.11 865.91 865.71 865.50 865.28 865.05 864.82

873.65 873.32 872.92 872.34 871.93 871.48 871.04 870.74 870.02 869.82 868.94 869.79 870.29 869.62 868.05 867.51 866.88 866.42 865.99 865.65 865.13 864.51 864.30 863.91 863.36 862.95

875 870 865 860 855 850 845

169+00 170+00 171+00 172+00 173+00 174+00 175+00 176+00 177+00 178+00 179+00 180+00 181+00

HORIZONTAL SCALE IN FEET 0 25 50 100

CALCULATED GAH CHECKED WAA

PLAN AND PROFILE - SR-32 STA. 168+50 TO STA. 181+00

CLE-32-2.65 (PHASE 7)

89 316

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RAMP N

CURVE DATA NO. 5
P.I. Sta. 186+38.63
Δ = 1° 39′ 11″ (LT)
Dc = 0° 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

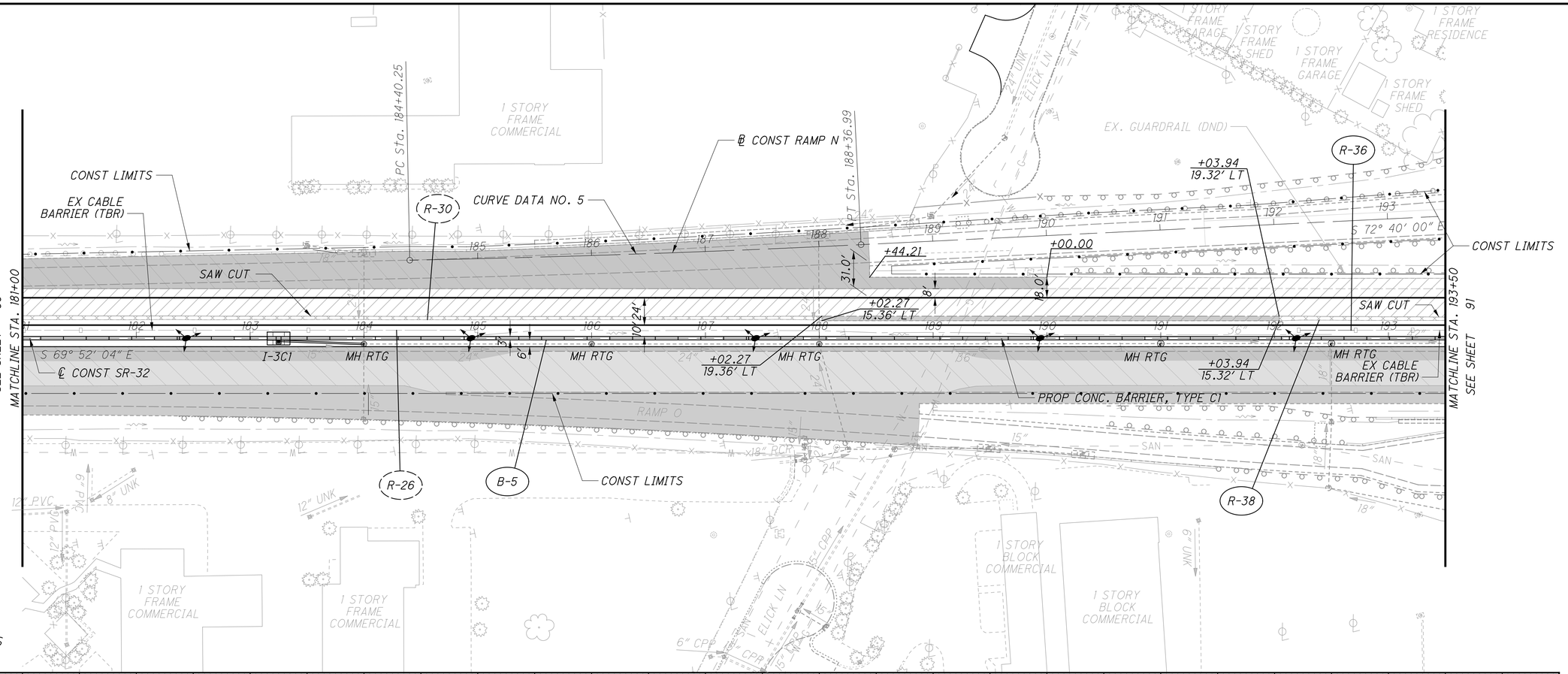
SURFACE COARSE REPLACEMENT

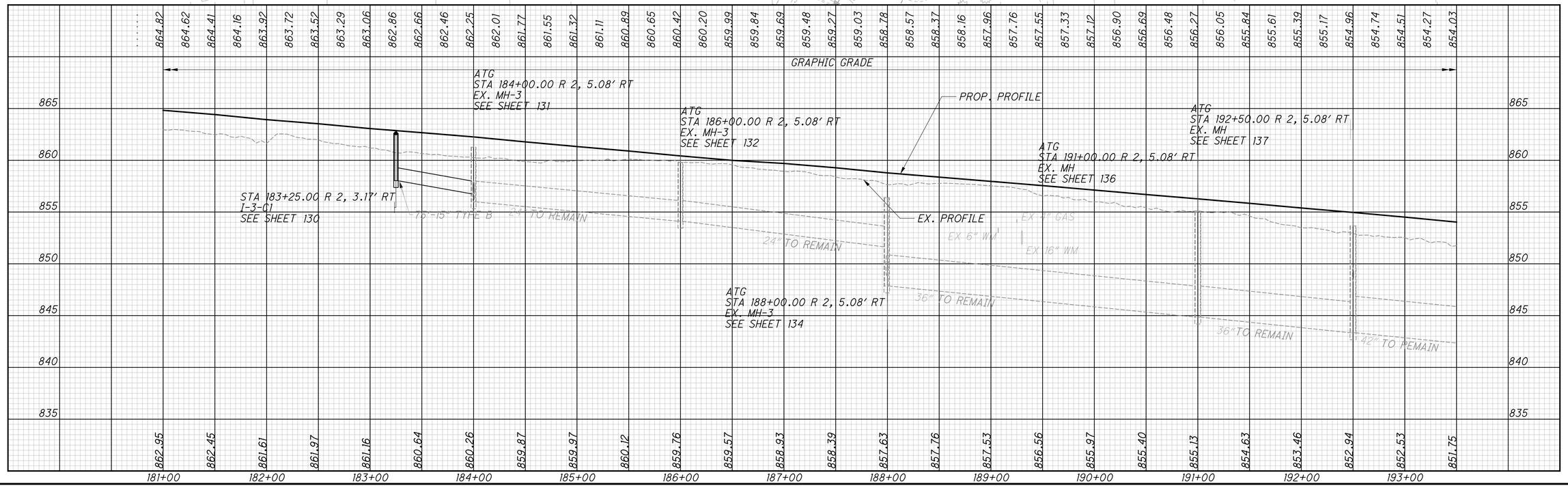
FULL DEPTH ASPHALT PAVEMENT PLACED WITH PHASE 3 OR 5. (PID 103755/103954)

EXISTING ASPHALT PAVEMENT REMOVED.

VARIABLE DEPTH PLANING AND OVERLAY. SEE TYPICAL SECTIONS.

FOR UNDERDRAIN DETAILS SEE SHEETS 196 - 213 .





HORIZONTAL SCALE IN FEET
0 25 50 100

CALCULATED GAH
CHECKED WAA

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
Δ = 8° 16′ 00″ (RT)
Dc = 2° 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
Δ = 2° 03′ 49″ (LT)
Dc = 1° 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

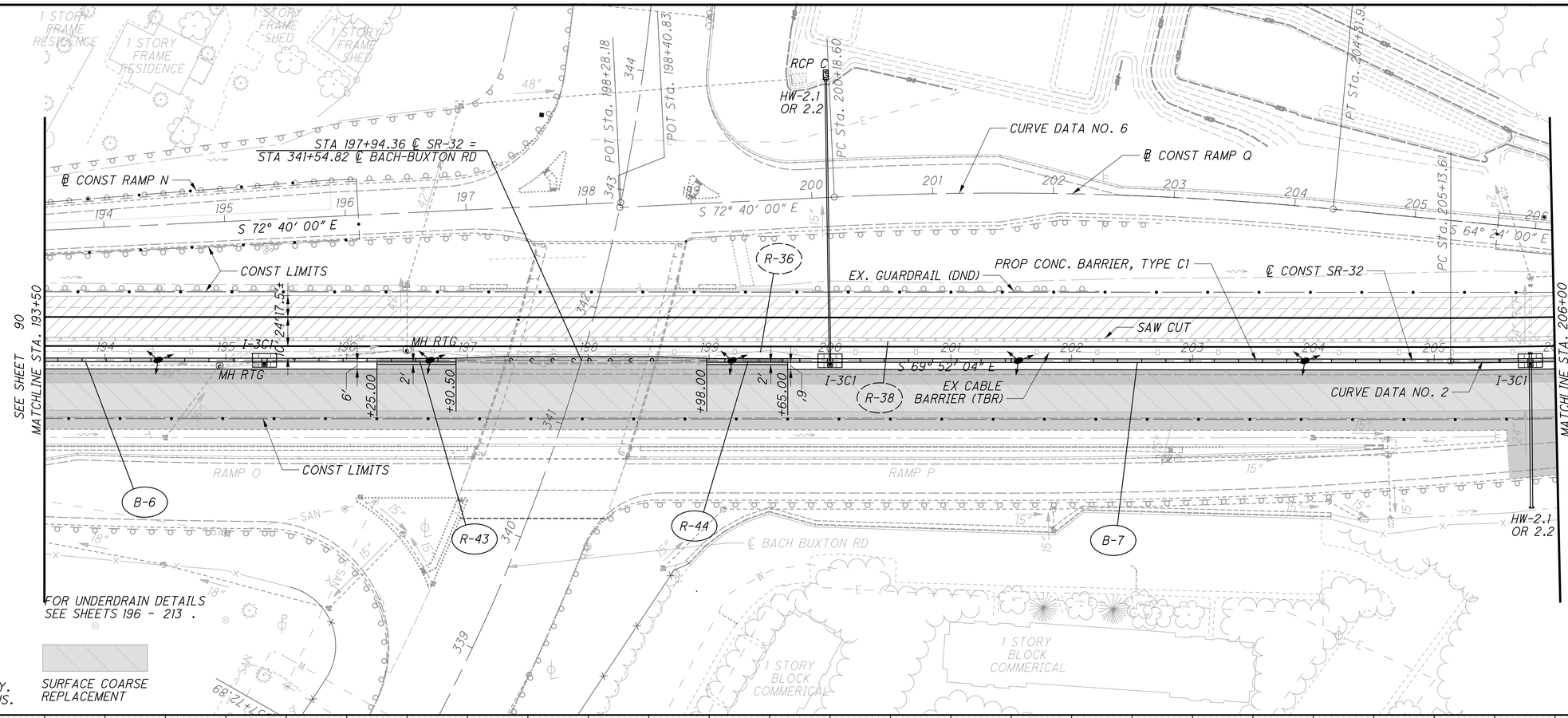
FULL DEPTH ASPHALT PAVEMENT PLACED WITH PHASE 3 OR 5. (PID 103755/103954)

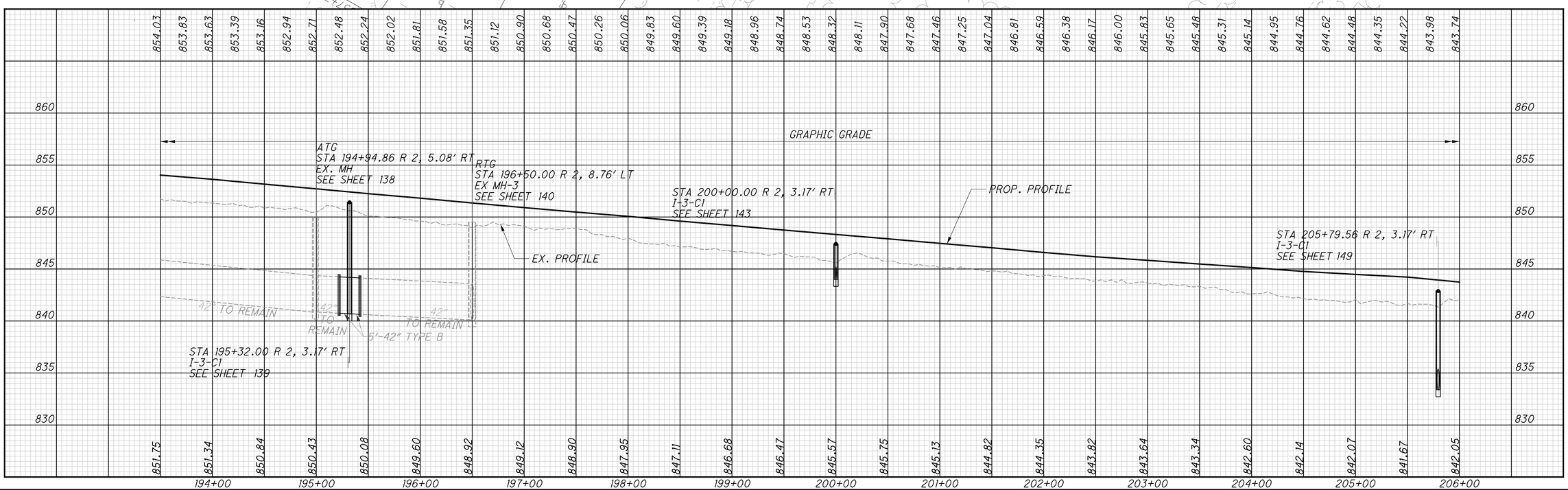
EXISTING ASPHALT PAVEMENT REMOVED.

VARIABLE DEPTH PLANING AND OVERLAY. SEE TYPICAL SECTIONS.

SURFACE COARSE REPLACEMENT

FOR UNDERDRAIN DETAILS SEE SHEETS 196 - 213 .





HORIZONTAL SCALE IN FEET
0 25 50 100

CALCULATED GAH CHECKED WAA

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

CLE-32-2.65
(PHASE 7)

91
316

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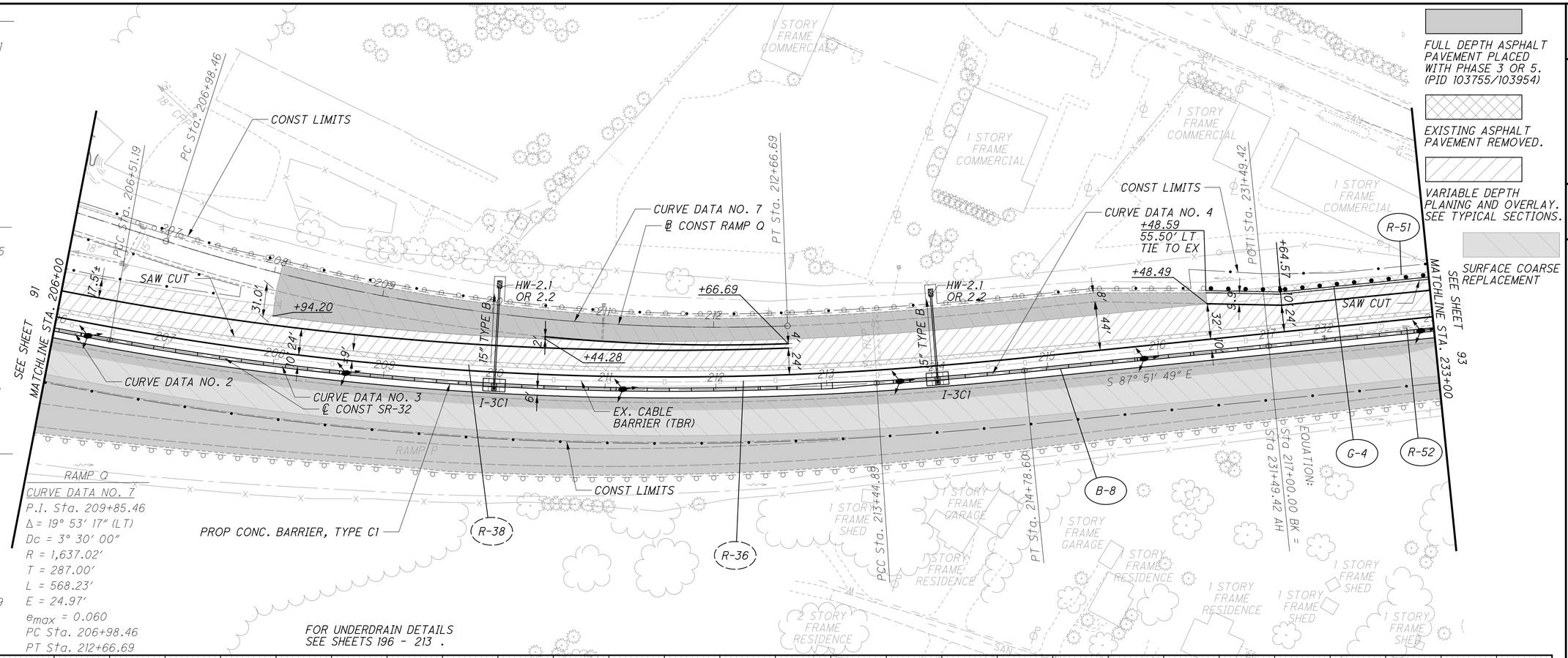
SR-32
CURVE DATA NO. 2
P.I. Sta. 205+82.41
Δ = 2° 03′ 49″ (LT)
Dc = 1° 30′ 00″
R = 3,819.74′
T = 68.80′
L = 137.58′
E = 0.62′
e_{max} = 0.037
PC Sta. 205+13.61
PCC Sta. 206+51.19

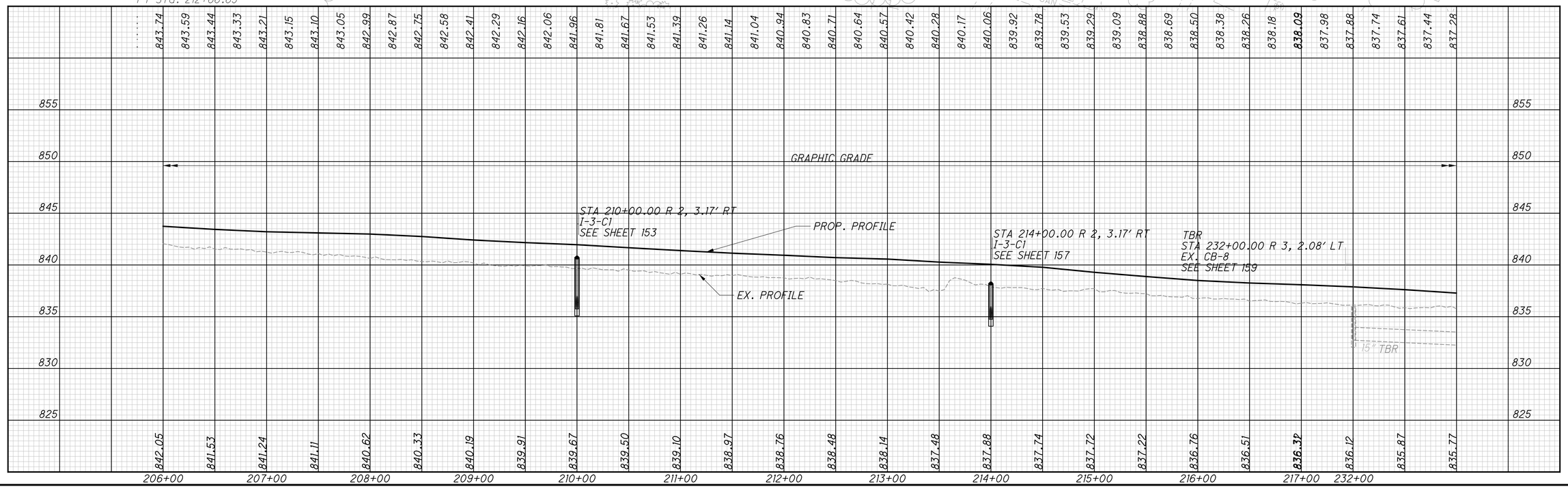
SR-32
CURVE DATA NO. 3
P.I. Sta. 209+99.75
Δ = 13° 55′ 35″ (LT)
Dc = 2° 00′ 27″
R = 2,854.00′
T = 348.57′
L = 693.70′
E = 21.21′
e_{max} = 0.045
PCC Sta. 206+51.19
PCC Sta. 213+44.89

SR-32
CURVE DATA NO. 4
P.I. Sta. 214+11.75
Δ = 2° 00′ 21″ (LT)
Dc = 1° 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

RAMP Q
CURVE DATA NO. 7
P.I. Sta. 209+85.46
Δ = 19° 53′ 17″ (LT)
Dc = 3° 30′ 00″
R = 1,637.02′
T = 287.00′
L = 568.23′
E = 24.97′
e_{max} = 0.060
PC Sta. 206+98.46
PT Sta. 212+66.69

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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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 .

SEE SHEET 92 MATCHLINE STA. 233+00

R-51 R-38 R-52 R-53 R-54 R-56 I-1 I-3C B-9 G-4 R-55

+19.92 BEGIN SHLDR TAPER

+40.57 BEGIN NOISE BARRIER

15" TYP. 18" TO 24"

SAW CUT

GR, TYPE MGS

AA, MGS TYPE E

+47.48 END LON

+47.17 END SHLDR TAPER

+00.00 TIE INTO EXISTING

9.3'

9.0'

24.7'

17.1'

10.5'

245+47.26 END NOISE WALL

PROP NOISE BARRIER

CONST LIMITS

END WORK STA 251+50.00

+95.57 18.70' LT

+95.57 15.39' LT

+21.68 14.74' LT

+21.68 19.05' LT

+00.00 19.56' LT

+00.02 BEGIN SHLDR TAPER

6'

3'

S 87° 51' 49" E

℄ CONST SR-32

CONST LIMITS

PROP CONC. BARRIER, TYPE C1

IA, TYPE 2

50'L x 30'W DITCH EROSION PROTECTION MAT TYPE A

EX. CABLE BARRIER (TBR)

FOR PROP NOISE WALL PLAN SEE SHEETS 268 - 269 .

END PROJECT STA 241+00.00 SLM 4.26

NON-FEDERAL

1 STORY BRICK COMMERCIAL; 1 STORY FRAME RESIDENCE; 1 STORY FRAME SHED; 1 STORY BLOCK RESIDENCE; 1 STORY FRAME COMMERCIAL; 1 STORY CANOPY CCOMMERCIAL; OLD 74; 12" UNK; 12" RCP; 12" CMP; 15" RCP; 18" RCP; SAN

GRAPHIC GRADE

837.28 837.19 837.10 836.96 836.82 836.65 836.48 836.23 835.99 835.70 835.41 835.10 834.78 834.43 834.08 833.67 833.25 832.80 832.34 831.82 831.30 830.80 830.29 829.73 829.16 828.62 828.07 827.52 826.97 826.45 825.93 825.29 824.65

TBR
STA 235+00.00 R 3, 8.23' LT
EX. CB-8
SEE SHEET 161

TBR
STA 235+34.91 R 3, 5.15' LT
EX. MH
SEE SHEET 161

STA 236+00.00 R 3, 2.75' RT
I-3-C1
SEE SHEET 162

PROP. PROFILE

EX. PROFILE

MATCH EXIST. 824.65 STA. 241+00.00

EX 4" GAS; EX 8" WM; EX 4" TELE; 15" TBR; 15" TBR

840 835 830 825 820 815 810

850 840 830 820 810 800 790

835.77 835.56 835.40 835.25 835.06 834.73 834.03 833.39 831.86 830.82 829.73 828.04 827.40 826.47 825.62 824.27 823.18 822.09 821.16 820.25 819.23 818.40 817.39 816.20 815.44 814.35

233+00 234+00 235+00 236+00 237+00 238+00 239+00 240+00 241+00 242+00 243+00 244+00 245+00

HORIZONTAL SCALE IN FEET 0 25 50 100

CALCULATED GAH CHECKED WAA

PLAN AND PROFILE STA 233+00 TO STA 241+00

CLE-32-2.65 (PHASE 7)

93 316

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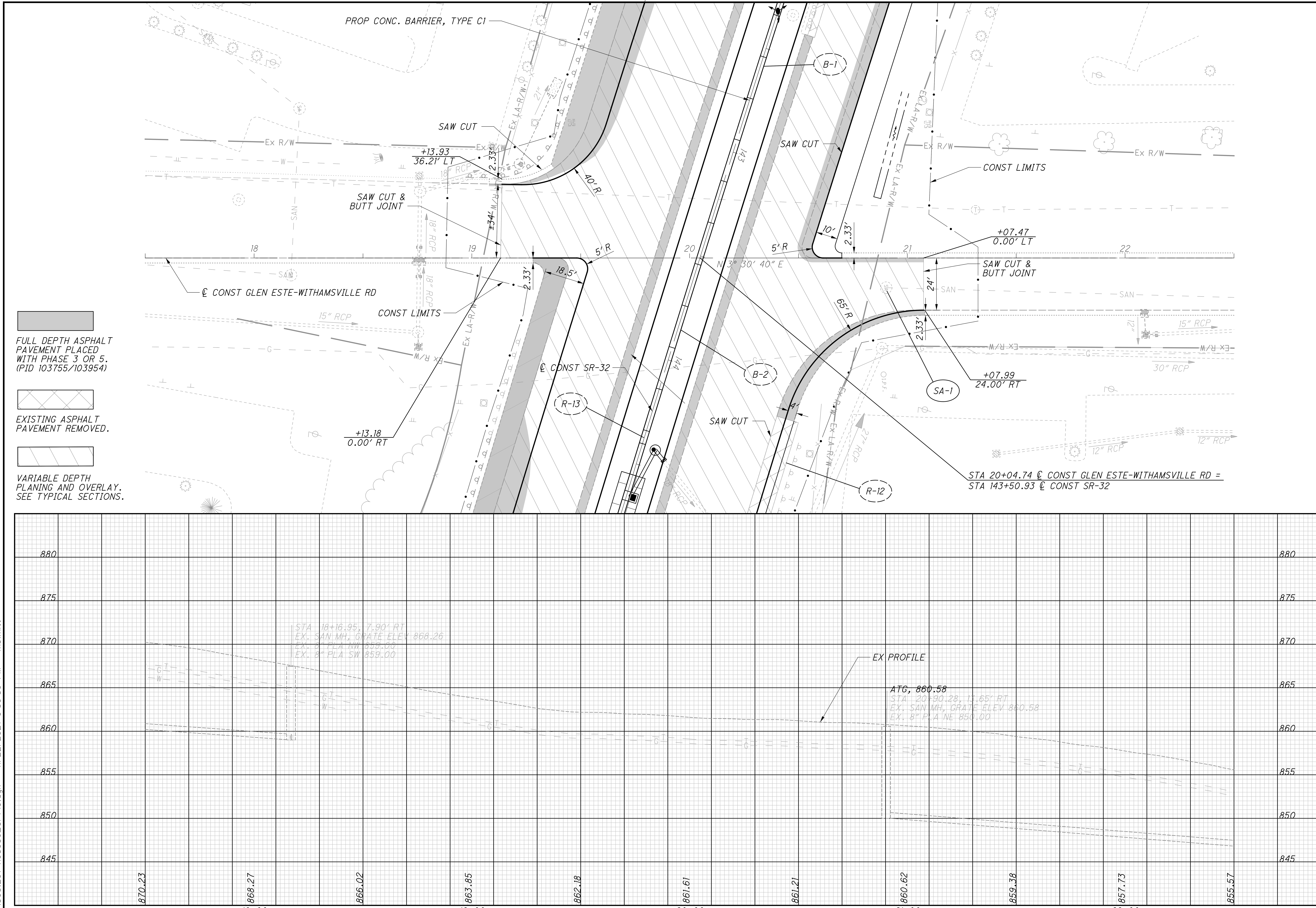

PROP CONC. BARRIER, TYPE C1
B-1
SAW CUT
+13.93
36.21' LT
2.33'
40' R
SAW CUT & BUTT JOINT
±34'
5' R
18.5'
2.33'
18
19
20
21
22
N 3° 30' 40" E
10'
2.33'
+07.47
0.00' LT
SAW CUT & BUTT JOINT
24'
CONST LIMITS
℄ CONST GLEN ESTE-WITHAMSVILLE RD
CONST LIMITS
65' R
2.33'
℄ CONST SR-32
B-2
SA-1
+07.99
24.00' RT
R-13
SAW CUT
4'
+13.18
0.00' RT
R-12
STA 20+04.74 ℄ CONST GLEN ESTE-WITHAMSVILLE RD =
STA 143+50.93 ℄ CONST SR-32
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.
STA 18+16.95, 7.90' RT
EX. SAN MH, GRATE ELEV 868.26
EX. 8" PLA NW 859.00
EX. 8" PLA SW 859.00
EX PROFILE
ATG, 860.58
STA 20+90.28, 13.65' RT
EX. SAN MH, GRATE ELEV 860.58
EX. 8" PLA NE 850.00
880
875
870
865
860
855
850
845
870.23
868.27
866.02
863.85
862.18
861.61
861.21
860.62
859.38
857.73
855.57
18+00
19+00
20+00
21+00
22+00

0 10 20 40
HORIZONTAL SCALE IN FEET

CALCULATED GAH
CHECKED WAA

PLAN AND PROFILE - GLEN ESTE-WITHAMSVILLE RD-STA 17+50 TO STA 22+50

CLE-32-2.65 (PHASE 7)

NOTE:
ALL ELEVATIONS SHOWN ARE EXISTING EDGE OF PAVEMENT ELEVATIONS.

24.0'
22'
℄ CONST GLEN ESTE-WITHAMSVILLE RD.
859.39
860.10
859.39
861.73
861.73
860.62
861.73
65.0' R
861.73
861.73
861.73
861.73
861.73
861.79
STA 144+05.67, 120.50' LT
℄ SR-32 = STA 21+07.47, 89.00' RT
℄ CONST GLEN ESTE-WITHAMSVILLE
R=65.00'
D=72°50'33"
L=82.64'
STA 143+29.23, 52.50' LT
℄ SR-32 = STA 20+61.32, 5.00' LT
℄ CONST GLEN ESTE-WITHAMSVILLE
R=5.00'
D=107°24'44"
L=9.37
860.97
5.0' R
861.10
861.13
861.13
861.13
861.13
861.13
859.67
10.0'
36.0'
10.0'
4.0'
SR-32 WB
48.0'
N 3° 30' 40" E
℄ CONST SR-32
STA 20+04.74 ℄ CONST GLEN ESTE-WITHAMSVILLE
STA 143+50.93 ℄ CONST SR-32
10.0'
142
143
144

HORIZONTAL SCALE IN FEET
0 5 10 20

CALCULATED NLD
CHECKED GAH

INTERSECTION DETAIL
GLEN ESTE-WITHAMSVILLE RD AT SR-32

CLE-32-2.65
(PHASE 7)

177
316

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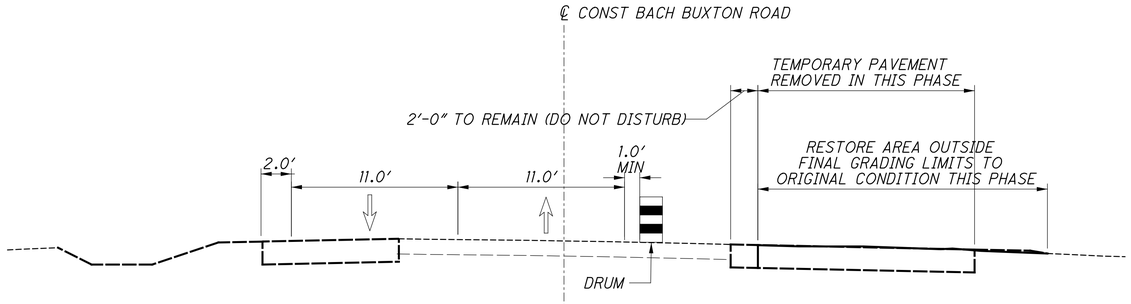
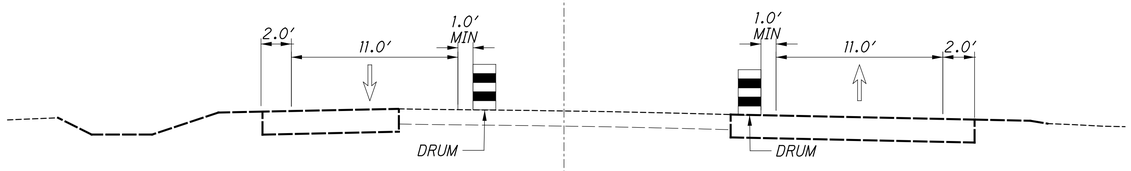
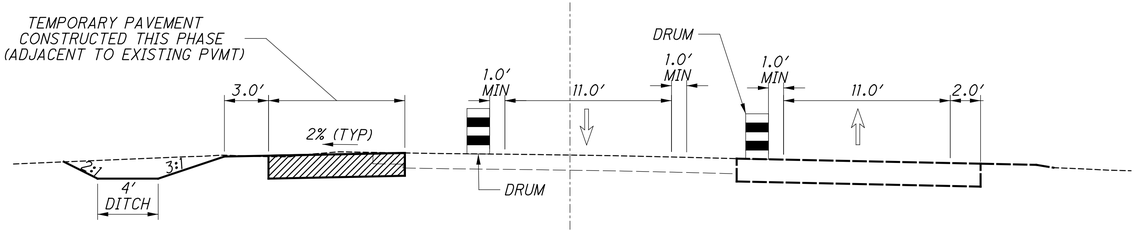


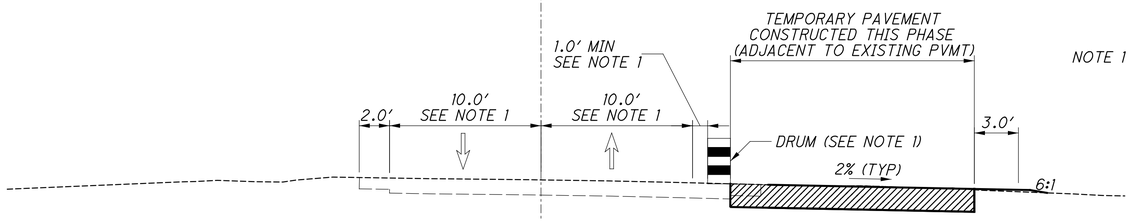
PRE PHASE 4 STEP 2A CONSTRUCTION
BACH BUXTON RD STA 303+00



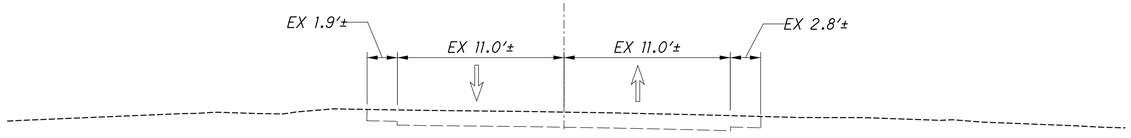
PHASE 4 STEP 1 CONSTRUCTION
BACH BUXTON RD STA 303+00



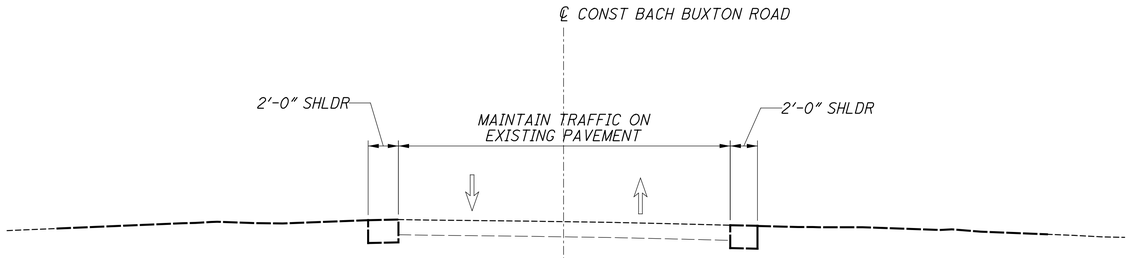
PHASE 2 CONSTRUCTION
PHASE 3 STEP 1 AND STEP 2 CONSTRUCTION
BACH BUXTON RD STA 303+00



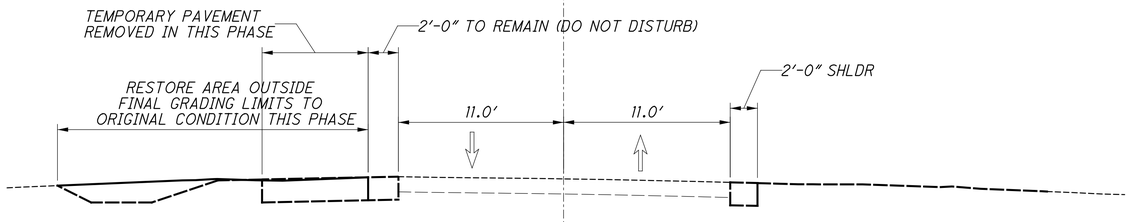
PHASE 1 STEP 1 AND STEP 2 CONSTRUCTION
BACH BUXTON RD STA 303+00



PRE PHASE 1 CONSTRUCTION
BACH BUXTON RD STA 303+00



FINAL PHASE CONSTRUCTION
BACH BUXTON RD STA 303+00



PRE PHASE 4 STEP 2B CONSTRUCTION
BACH BUXTON RD STA 303+00

NOTE:

TEMPORARY PAVEMENT TO BE LEFT IN PLACE SHALL BE CONSTRUCTED USING ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN. SEE SHEET 64 FOR PAVEMENT COMPOSITION. AGGREGATE SUBSTITUTION IS PROHIBITED.

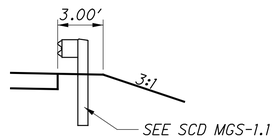
NOTE 1 - THE CONTRACTOR SHALL PROVIDE A MINIMUM LANE WIDTH OF 10' AND A MINIMUM CLEARANCE OF 1' TO DRUM/PCB.

CONSTRUCT THE PAVEMENT ON RIGHT SIDE OF ROAD DURING FLAGGING OPERATIONS WHEN 10' LANE AND 1' CLEARANCE IS NOT AVAILABLE. SHIFT DRUM(S), AS NEEDED.

DURING NON-WORKING HOURS THE MINIMUM LANE WIDTH AND CLEARANCE SHALL BE PROVIDED.

DETAILS

TEMPORARY MOT GUARDRAIL



TEMPORARY PAVEMENT

MAINTENACE OF TRAFFIC - TYPICAL SECTIONS -A- BACH BUXTON ROAD 303+00

CLE-CR388 (PHASE 4)

CALCULATED KSC CHECKED

SYMBOL & PAVEMENT MARKING LEGEND

- (LL) - LANE LINE
- (ELW) - EDGE LINE, WHITE
- (ELY) - EDGE LINE, YELLOW
- (CHW) - CHANNELIZING LINE, WHITE
- (DL) - DOTTED LINE
- (A) - ARROW
- (IA) - IMPACT ATTENUATOR
- (Y) - PCB Y-CONNECTOR
- (PCB) (XXX) - PORTABLE BARRIER (HEIGHT = [XX])
- (CHV) - CHEVRON MARKINGS, WHITE
- (DIA) - DIAGONAL LINE
- (SL) - STOP LINE

WORK ZONE PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH CMS 614.11, WORK ZONE PAVEMENT MARKINGS, CLASS I.

- PROPOSED PVMT (EXCEPT SURFACE COURSE) CONSTRUCTED THIS PHASE
- PROPOSED PVMT CONSTRUCTED IN PREVIOUS PHASE/STEP AND CONSTRUCTION CONTINUED THIS PHASE/STEP
- PROPOSED PVMT CONSTRUCTED IN PREVIOUS PHASE
- TEMPORARY PVMT CONSTRUCTED THIS PHASE (ADJACENT TO EXISTING PVMT)
- TEMPORARY PVMT CONSTRUCTED THIS PHASE (ADJACENT TO PROPOSED PVMT)
- TEMPORARY PVMT, CONSTRUCTED THIS PHASE.
- TEMPORARY PVMT CONSTRUCTED IN PREVIOUS PHASE
- TEMPORARY PVMT OUTSIDE PROPOSED PVMT LIMITS, REMOVED THIS PHASE
- PROPOSED SIDEWALK CONSTRUCTED THIS PHASE

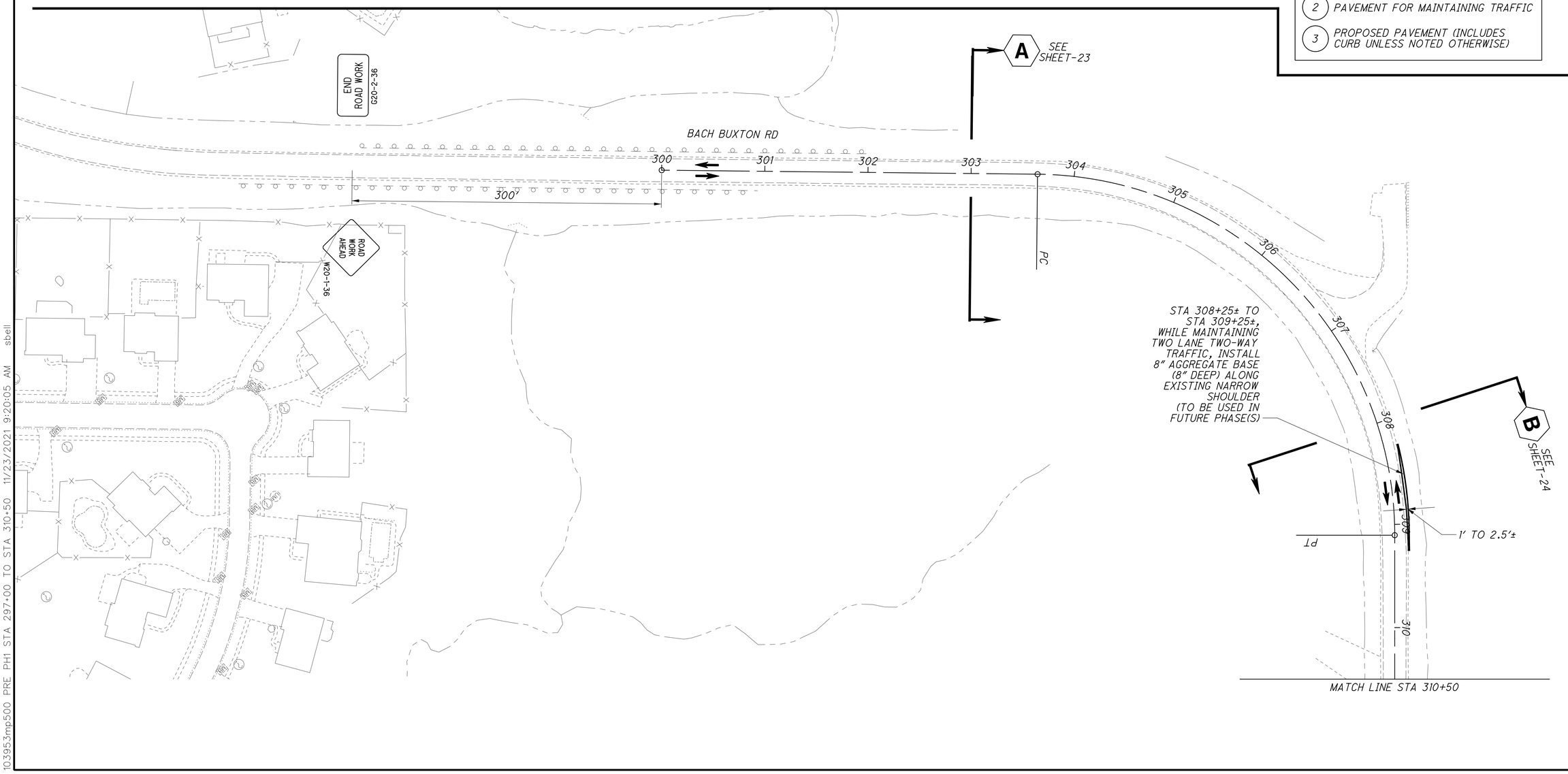
- PORTABLE CONCRETE BARRIER, 1FT OFFSET TO EDGE LINE (TYP) UNLESS SHOWN OTHERWISE
- DRUMS SPACED AS PER MT-95.30 & MT-95.40, AND 1FT MIN. OFFSET TO EDGE LINE UNLESS SHOWN OTHERWISE (PROVIDE LARGER OFFSET WHEN POSSIBLE)
- (IA) IMPACT ATTENUATOR
- DIRECTION OF TRAVEL ARROW
- (Y) Y-CONNECTOR
- TEMPORARY SHEET PILING
- (#) MOT TYPICAL SECTION BALLOON CALLOUT
- (#) MOT OPERATION BALLOON CALLOUT

SIGNING LEGEND

- EXISTING SIGN TO REMAIN
- PROPOSED SIGN TO REMAIN
- PROPOSED SIGN
- PROPOSED SIGN RELOCATED
- SIGN TO BE REMOVED

MOT OPERATION LEGEND

1. TEMPORARY PAVEMENT MARKINGS
2. PAVEMENT FOR MAINTAINING TRAFFIC
3. PROPOSED PAVEMENT (INCLUDES CURB UNLESS NOTED OTHERWISE)



MAINTENANCE OF TRAFFIC - BACH BUXTON RD
PRE PHASE 1 - STA 297+00 TO STA 310+50

HORIZONTAL SCALE IN FEET: 0, 25, 50, 100

CALCULATED KSC CHECKED SCS

CLE-CR388 (PHASE 4)

STA 320+50 AHEAD, CONSTRUCT FULL-WIDTH PROPOSED PAVEMENT IN PRE-PHASE 1

STA 319+41, 9' RT TO STA 320+50, 9'RT TEMPORARY SHEET PILING TO FACILITATE REMOVAL OF PIPE AND TEMPORARY EMBANKMENT IN FUTURE PHASE(S)

STA 319+41.25 TO STA 320+50, CONSTRUCT PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, IN PHASE 1, AFTER THE TEMPORARY STORM AND FILL IS CONSTRUCTED

STA 320+10.41, 14.13' LT
TEMP 72" 837.25

STA 320+14.97, 24.80' LT
72" RCP NW 838.26

STA 319+72.76, 66.27' RT
72" TEMP 836.26

PROP TEMPORARY 72" STORM @ 1.12%
(INSTALLED IN PRE-PHASE 1)

EX 15"

EX 12"

ELICK LN

MAINTAIN TRAFFIC ALONG WEST SIDE OF ELICK LN. REMOVE EXISTING PAVEMENT (HATCHED AREA), AS NEEDED TO FACILITATE CONSTRUCTION

72"

PCB

RELOCATED BACH-BUXTON RD

PCC

STA 319+41.25 BACK, CONSTRUCT PROPOSED PAVEMENT IN PHASE 1

PROP 72" CULVERT

25'

10'

24'

+41.25

+50

320

ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN

THE REQUIREMENTS OF ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B WILL BE MODIFIED TO HAVE 7.25" OF ITEM 304, AGGREGATE BASE.

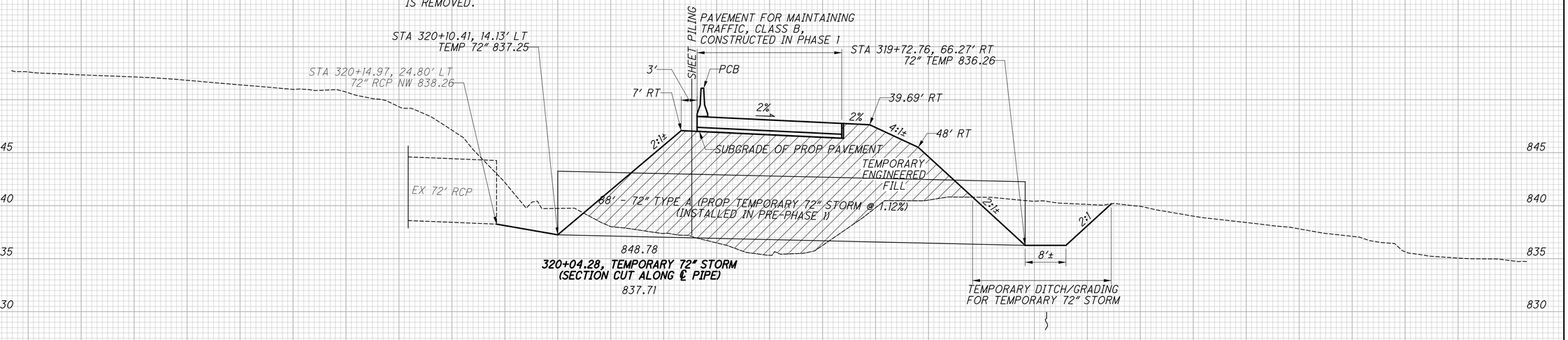
ITEM 614, MAINTAINING TRAFFIC, MISC.: TEMPORARY SHEET PILING

THIS WORK CONSISTS OF FURNISHING AND DRIVING STEEL SHEET PILING TO BE USED FOR THE PLACEMENT OF TEMPORARY PIPE AND EMBANKMENT IN PRE-PHASE 1. THE SHEET PILING WILL BE REMOVED AFTER THE REMOVAL OF THE TEMPORARY PIPE AND EMBANKMENT IN SUBSEQUENT PHASES.

ITEM SPECIAL, ENGINEERED FILL

THIS TEMPORARY FILL SHALL CONFORM TO THE SPECIFICATIONS OF 703.11 STRUCTURAL BACKFILL FOR 611 BEDDING AND BACKFILL.

** INSTALL PROPOSED STORM AS SHOWN IN PLANS. PROPOSED STORM THAT IS LOCATED UNDER TEMPORARY PAVEMENT OR IN TEMPORARY FILL SHALL NOT BE DISTURBED IN LATER PHASE(S) WHEN TEMPORARY IS REMOVED.



320+04.28, TEMPORARY 72" STORM
(SECTION CUT ALONG ℄ PIPE)

HORIZONTAL SCALE IN FEET
0 5 10 20

CALCULATED KSC
CHECKED SCS

DETAIL: TEMPORARY 72" CULVERT FOR MOT
PRE PHASE 1 - STA 320+04.36

CLE-CR388
(PHASE 4)

64
245

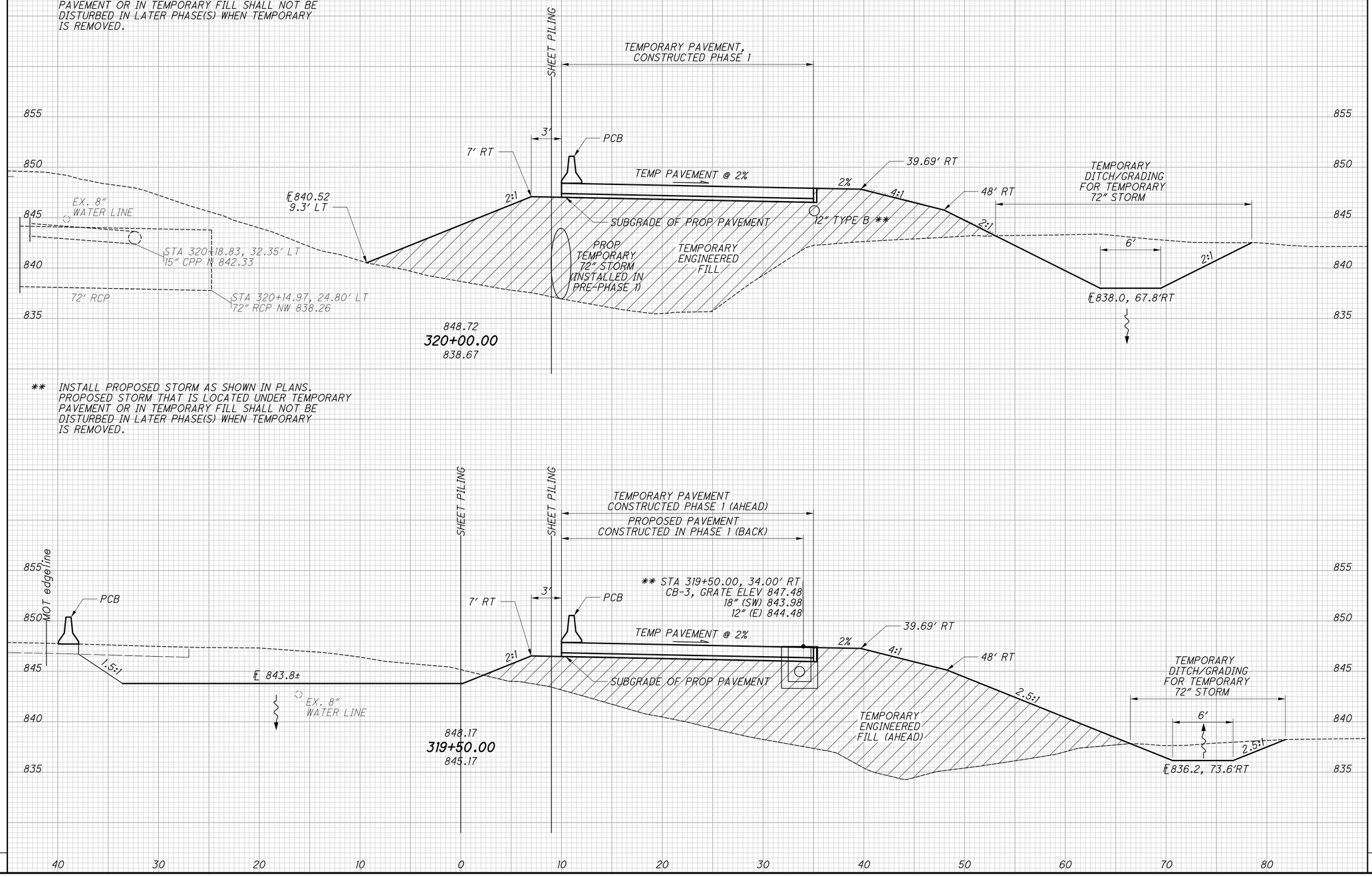
10395mh590 MOT TEMP 72" CULVERT DETAIL STA 320+04.36 11/22/2021 2:32:06 PM sbell

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED KSC
CHECKED SCS

** INSTALL PROPOSED STORM AS SHOWN IN PLANS. PROPOSED STORM THAT IS LOCATED UNDER TEMPORARY PAVEMENT OR IN TEMPORARY FILL SHALL NOT BE DISTURBED IN LATER PHASE(S) WHEN TEMPORARY IS REMOVED.



** INSTALL PROPOSED STORM AS SHOWN IN PLANS. PROPOSED STORM THAT IS LOCATED UNDER TEMPORARY PAVEMENT OR IN TEMPORARY FILL SHALL NOT BE DISTURBED IN LATER PHASE(S) WHEN TEMPORARY IS REMOVED.

MOT CROSS SECTIONS - TEMPORARY 72" CULVERT FOR MOT

STA. 319+50.00 TO STA. 320+00.00

CLE-CR388 (PHASE 4)

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

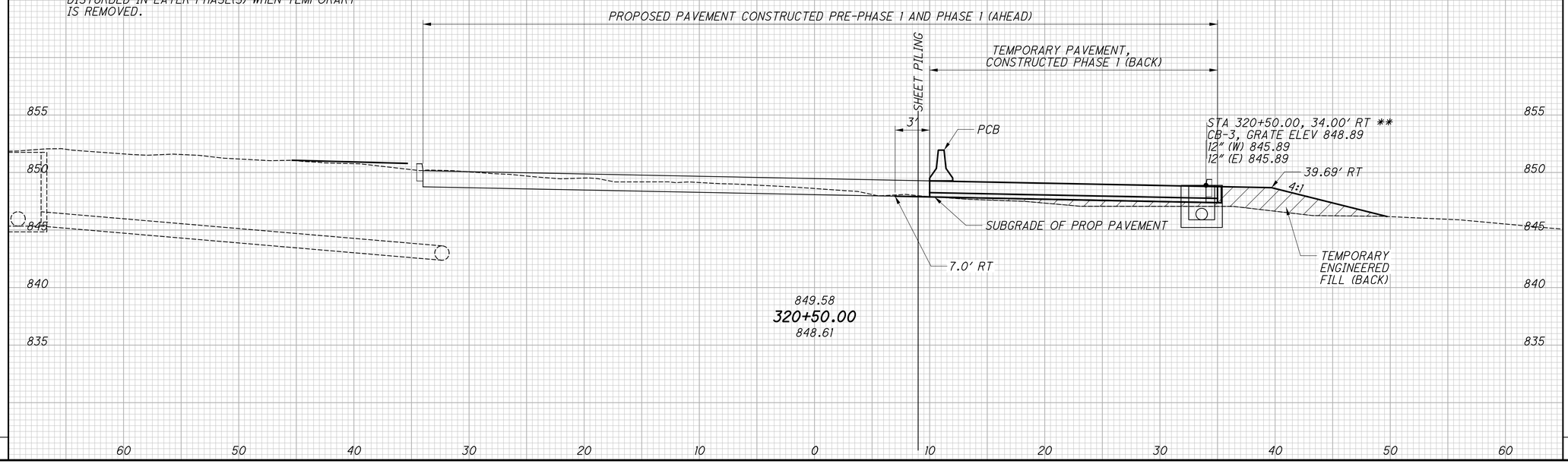
CALCULATED KSC

CHECKED SCS

MOT CROSS SECTIONS

CLE-CR388 (PHASE 4)

** INSTALL PROPOSED STORM AS SHOWN IN PLANS. PROPOSED STORM THAT IS LOCATED UNDER TEMPORARY PAVEMENT OR IN TEMPORARY FILL SHALL NOT BE DISTURBED IN LATER PHASE(S) WHEN TEMPORARY IS REMOVED.



SHEET NUM.													PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
14	15	16	17	18		89	90						03/S>2/ PV		EXT	TOTAL			
																		MAINTENANCE OF TRAFFIC	
				1									1	202	20010	1	EACH	HEADWALL REMOVED	
						106							106	202	23000	106	SY	PAVEMENT REMOVED	
				231									231	202	35100	231	FT	PIPE REMOVED, 24" AND UNDER	
				88									88	202	35200	88	FT	PIPE REMOVED, OVER 24"	
				1									1	202	58100	1	EACH	CATCH BASIN REMOVED	
				1,328									1,328	SPECIAL	20302000	1,328	CY	ENGINEERED FILL	64
			60										60	301	46000	60	CY	ASPHALT CONCRETE BASE, PG64-22	
			40										40	304	20000	40	CY	AGGREGATE BASE	
			20										20	407	10000	20	GAL	TACK COAT	
86													86	410	12000	86	CY	TRAFFIC COMPACTED SURFACE, TYPE A OR B	
			10										10	441	50000	10	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
				0.2									0.2	602	20000	0.2	CY	CONCRETE MASONRY	
						25							25	609	10000	25	FT	ASPHALT CONCRETE CURB, TYPE 1	
				27									27	611	04600	27	FT	12" CONDUIT, TYPE C	
				204									204	611	10600	204	FT	24" CONDUIT, TYPE C	
				88									88	611	26000	88	FT	72" CONDUIT, TYPE A	
				1									1	611	98470	1	EACH	CATCH BASIN, NO. 2-2B	
				3									3	611	98631	3	EACH	CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN	18
	48												48	614	11110	48	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
													LUMP	614	18002	LS		MAINTAINING TRAFFIC, MISC.: WORK ZONE TRAFFIC SIGNAL (SPECIAL 61411300)	15
						8							8	614	12384	8	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	
													LUMP	614	12420	LS		DETOUR SIGNING (MARIAN DR CLOSED - PHASE 1)	
						425							425	614	12801	425	EACH	WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	16
18													18	614	13000	18	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
						151							151	614	13310	151	EACH	BARRIER REFLECTOR, TYPE 1, ONE WAY	
						151							151	614	13350	151	EACH	OBJECT MARKER, ONE WAY	
				3,200									3,200	614	18030	3,200	FT	MAINTAINING TRAFFIC, MISC.:PROVIDING POSITIVE DRAINAGE DURING CONSTRUCTION	18
						180							180	614	18030	180	FT	MAINTAINING TRAFFIC, MISC.:TEMPORARY SHEET PILING	64
						0.03							0.03	614	20100	0.03	MILE	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	
							0.62						0.62	614	20550	0.62	MILE	WORK ZONE LANE LINE, CLASS III, 4", 642 PAINT	
						1.97							1.97	614	21100	1.97	MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	
							0.95						0.95	614	21550	0.95	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
						4.42							4.42	614	22100	4.42	MILE	WORK ZONE EDGE LINE, CLASS I, 4", 642 PAINT	
							1.27						1.27	614	22350	1.27	MILE	WORK ZONE EDGE LINE, CLASS III, 4", 642 PAINT	
						108							108	614	23200	108	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	
							2,220						2,220	614	23680	2,220	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT	
						770							770	614	24200	770	FT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT	
							771						771	614	24610	771	FT	WORK ZONE DOTTED LINE, CLASS III, 4", 642 PAINT	
						95							95	614	25200	95	FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	
							301						301	614	25620	301	FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS III, 642 PAINT	
						259							259	614	26200	259	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	
							216						216	614	26610	216	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
							34						34	614	30650	34	EACH	WORK ZONE ARROW, CLASS III, 642 PAINT	
							8						8	614	31620	8	EACH	WORK ZONE WORD ON PAVEMENT, 72", CLASS III, 642 PAINT	
		5											5	614	40051	5	EACH	BUSINESS ENTRANCE SIGN, AS PER PLAN	15
LS													LS	615	10000	LS		ROADS FOR MAINTAINING TRAFFIC	
						1,491							1,491	615	25000	1,491	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B	
						637							637	615	25001	637	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN	64
63													63	616	10000	63	MGAL	WATER	
						7,080							7,080	622	41100	7,080	FT	PORTABLE BARRIER, UNANCHORED	
			0.2										0.2	642	00100	0.2	MILE	EDGE LINE, 4", TYPE 1	
			0.1										0.1	642	00300	0.1	MILE	CENTER LINE, TYPE 1	
																		INCIDENTALS	
													LS	108	10000	LS		CPM PROGRESS SCHEDULE	
													LS	614	11000	LS		MAINTAINING TRAFFIC	
													LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
													LS	624	10000	LS		MOBILIZATION	

CALCULATED JLG
CHECKED SCS

GENERAL SUMMARY

CLE-CR388 (PHASE 4)

SHEET NO.	MOT PHASE	202 PAVEMENT REMOVED SY		609 ASPHALT CONCRETE CURB, TYPE 1 FT	614 WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL) EACH		614 WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN (ONE WAY WHITE) EACH	614 WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN (TWO WAY YELLOW) EACH	614 BARRIER REFLECTOR, TYPE 1 EACH	614 OBJECT MARKER, ONE WAY EACH	614 MAINTAINING TRAFFIC, MISC.: TEMPORARY SHEET PILING FT	614 WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT (WHITE) MILE	614 WORK ZONE CENTER LINE, CLASS I, 642 PAINT (SOLID, DOUBLE) MILE	614 WORK ZONE EDGE LINE, CLASS I, 4", 642 PAINT (WHITE) MILE	614 WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT FT	614 WORK ZONE DOTTED LINE, CLASS I, 642 PAINT FT	614 WORK ZONE TRANSVERSE LINE, CLASS I, 642 PAINT FT	614 WORK ZONE STOP LINE, CLASS I, 642 PAINT FT		615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B SY	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN SY	622 PORTABLE BARRIER, UNANCHORED FT	
31 - 34	PRE-PHASE 1				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		8782	3722		
40	PHASE 1 STEP 2			25									703	950				35					
42 - 45	PHASE 2	48			3		54	54	44	44		178	1832	7127		108		39		1678	2005	2110	
47 - 50	PHASE 3 STEP 1				1				13	13			1342	1733		114		51				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								4	4			609	1218								140	
					1																		
SUBTOTALS ALL PHASES		106		25	8		236	189	151	151	180	178	10425	23339	108	770	95	259		13412	5727	7080	
TOTALS CARRIED TO GENERAL SUMMARY		106		25	8		425		151	151	180	0.03	1.97	4.42	108	770	95	259		1491	637	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-CR388 (PHASE 4)

89 / 245