

**PAVEMENT (CONTINUED)**

**ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN**

THIS OPERATION SHALL INCLUDE PREPARATION OF THE GRADED SHOULDER USING ITEM 209 RESHAPING UNDER GUARDRAIL, AS PER PLAN AND PAVING UNDER THE GUARDRAIL USING ITEM 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1,(448), (UNDER GUARDRAIL), AS PER PLAN.

HERBICIDE SHALL BE EPA APPROVED FOR PAVING UNDER GUARDRAIL. IT SHALL BE APPLIED TO THE PREPARED AREA AFTER FINAL LEVELING AND GRADING HAS BEEN COMPLETED. THE APPLICATION SHALL BE JUST PRIOR TO PAVING AND SHALL STRICTLY ADHERE TO THE MANUFACTURER'S INSTRUCTIONS.

EACH SUCCESSFUL BIDDER MUST BE LICENSED BY THE OHIO DEPARTMENT OF AGRICULTURE AS A COMMERCIAL APPLICATOR AND ALL PERSONS INVOLVED IN THE ACTUAL SPRAYING SHALL BE LICENSED AS COMMERCIAL OPERATORS IN THE APPROPRIATE SPRAY CATEGORY.

HERBICIDE LABEL, MATERIAL SAFETY DATA SHEET AND COPY OF APPLICATORS LICENSES SHALL BE SUBMITTED TO THE ENGINEER FOR VERIFICATION PRIOR TO COMMENCING WORK.

PAVING UNDER GUARDRAIL SHALL CONSIST OF PLACING ITEM 441 TO A DEPTH OF 3" AND A MAXIMUM WIDTH OF 4' USING ONE OF THE FOLLOWING METHODS:

**METHOD A:**

1. SET GUARDRAIL POSTS
2. PLACE ITEM 441

**METHOD B:**

1. PLACE ITEM 441
2. BORE ASPHALT AT POST LOCATIONS (MAY BE OMITTED IF STEEL POSTS ARE USED)
3. SET GUARDRAIL POSTS
4. PATCH AROUND POSTS. THE MATERIALS USED FOR PATCHING SHALL BE AN ASPHALT CONCRETE APPROVED BY THE ENGINEER. PATCHED AREAS SHALL BE COMPACTED USING EITHER HAND OR MECHANICAL METHODS. FINISHED SURFACES SHALL BE SMOOTH AND SLOPED TO DRAIN AWAY FROM THE POSTS.

ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED TO PERFORM THE WORK OUTLINED ABOVE, WITH THE EXCEPTION OF SETTING GUARDRAIL POSTS, SHALL BE INCLUDED FOR PAYMENT UNDER ITEM 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1,(448), (UNDER GUARDRAIL), AS PER PLAN.

**ITEM 618 - RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE), AS PER PLAN**

FOR ALL FREEWAYS, THE LATERAL POSITION OF EDGE LINE RUMBLE STRIPS SHOWN IN STANDARD CONSTRUCTION DRAWING (SCD) BP-9.1 IS REVISED AS FOLLOWS:

1. MEDIAN AND OUTSIDE SHOULDER OFFSET FOR SHOULDERS LESS THAN 6': DIMENSION A AND B ARE EQUAL TO 6".
2. MEDIAN AND OUTSIDE SHOULDER OFFSET FOR SHOULDERS 6' TO 12': DIMENSION A AND B ARE EQUAL TO HALF THE SHOULDER WIDTH MINUS 12".
3. MEDIAN AND OUTSIDE SHOULDER OFFSET FOR SHOULDERS GREATER THAN 12': DIMENSION A AND B ARE EQUAL TO 5'.

THE FOLLOWING ESTIMATED QUANTITY SHALL BE USED TO CONSTRUCT ITEM 618 – RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE), AS PER PLAN:

ITEM 618 - RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE), AS PER PLAN 16.79 MILES

**ITEM 442 – ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (447), AS PER PLAN, PG 76-22M**

THE COARSE VIRGIN AGGREGATE FOR THIS ITEM SHALL BE LIMITED TO A BLEND OF AIR COOLED BLAST FURNACE SLAG (ACBFS) OR TRAP ROCK FROM ONTARIO AND LIMESTONE. THE CONTRACTOR SHALL USE A MINIMUM 60% OF ACBFS OR TRAP ROCK FROM ONTARIO WITH LIMESTONE COMPRISING THE REMAINING PERCENTAGE. AT LEAST 50% OF FINE VIRGIN AGGREGATE FOR THIS ITEM SHALL BE LIMITED TO ACBFS OR TRAP ROCK FROM ONTARIO.

TABLE 442.02-2 APPLIES EXCEPT NO. 4 SIEVE REQUIREMENTS ARE 52 TO 60 TOTAL PERCENT PASSING. FOR THE NO. 4 SIEVE DO NOT EXCEED 63 IN PRODUCTION.

WHEN ACBFS IS USED FOR A FRACTION OF THE COARSE AGGREGATE, PROVIDE A TOTAL ASPHALT BINDER CONTENT GREATER THAN OR EQUAL TO 6.2 PERCENT. IF ACBFS MAKES UP 100% OF THE COARSE AGGREGATE, APPLY THE BINDER CONTENT REQUIREMENTS OF C&MS 442.

**ITEM 442 – ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (449), AS PER PLAN, PG 76-22M**

THIS ITEM SHALL BE USED FOR THE INTERMEDIATE COURSE(S) FOR THE FEATHER SECTION FROM STA 768+85 TO STA 769+35.

ALL PROVISIONS LISTED IN THE ITEM 442 – ASPHALT CONCRETE SURFACE COURSE, 12.5MM,TYPE A (447), AS PER PLAN, PG 76-22M NOTE ABOVE SHALL APPLY EXCEPT VARIABLE LIFT THICKNESSES ARE PERMITTED. THE MAXIMUM LIFT THICKNESS OF ANY INTERMEDIATE COURSE SHALL BE 2 INCHES.

**ASPHALT CONCRETE SURFACE COURSE SEALING REQUIREMENTS**

IN ADDITION TO THE GUTTER SEALING REQUIREMENTS SPECIFIED IN SCD BP-3.1 AND C&MS 401.15, AFTER COMPLETION OF THE SURFACE COURSE, THE CONTRACTOR SHALL USE A CERTIFIED 702.01 PG BINDER TO SEAL THE FOLLOWING LOCATIONS:

- ALL CASTINGS INCLUDING BUT NOT LIMITED TO MONUMENTS, MANHOLES, WATER VALVES, CATCH BASINS, CURB INLETS.
- BUTT JOINTS AND FEATHER JOINTS INCLUDING BRIDGE APPROACHES.
- FORWARD JOINT FOR DRIVEWAY ASPHALT AND TRAILING JOINT WHEN BUTTING TO EXISTING ASPHALT DRIVE.
- PERIMETER OF ALL PAVEMENT REPAIRS OR OTHER ASPHALT INLAYS WHEN PAVEMENT REPAIRS/INLAYS ARE NOT OVERLAID WITH AN ASPHALT CONCRETE SURFACE COURSE.
- ALL COLD LONGITUDINAL JOINTS BETWEEN PAVED SHOULDERS AND GUARDRAIL ASPHALT.
- THE MATERIAL USED SHALL BE A CERTIFIED 702.01 PG BINDER. THE WIDTH OF THE SEALER SHALL BE 2-3 INCHES.

ANY ADDITIONAL COSTS ASSOCIATED WITH THE WORK IDENTIFIED IN THIS NOTE SHALL BE INCLUDED IN THE APPROPRIATE ASPHALT CONCRETE SURFACE COURSE ITEM OF WORK.

**LONGITUDINAL JOINTS IN FLEXIBLE PAVEMENT**

LONGITUDINAL JOINTS BETWEEN A PAVEMENT LANE AND ADJOINING SHOULDER OR SPEED CHANGE LANE, AND BETWEEN A SPEED CHANGE LANE AND THE ADJOINING SHOULDER SHALL BE MADE THE SAME DAY. ALL LONGITUDINAL JOINTS SHALL BE HOT WITH THE EXCEPTION OF ONE COLD JOINT PER PHASE AS SHOWN IN THE MAINTENANCE OF TRAFFIC PLAN. LOCATE THE COLD JOINT ALONG THE CENTERLINE OR A LANE LINE. ALL LONGITUDINAL JOINT LOCATIONS SHALL BE AS APPROVED BY THE ENGINEER.

**LONGITUDINAL JOINT SPACING IN RIGID PAVEMENT**

PROVIDE LONGITUDINAL JOINTS PER SCD BP-6.1. IN LOCATIONS WHERE THE TRAVEL LANES TAPER AND THE TYPICAL LONGITUDINAL JOINT SPACING PER SCD BP-6.1 CANNOT BE PROVIDED, THE WIDTH BETWEEN ADJACENT JOINTS SHALL VARY FROM 8'-0" ON THE SINGLE LANE RAMP END TO 12'-0" ON THE TWO LANE RAMP END WITHIN THE LIMITS OF THE PAVEMENT TAPER AREA. WHERE A TWO-LANE RAMP TRANSITIONS TO A THREE-LANE RAMP, THE LONGITUDINAL JOINT ALONG THE TAPERED PAVEMENT EDGE WILL BEGIN AT A TRANSVERSE JOINT WHERE THE WIDTH OF THE ADDITIONAL LANE IS A MINIMUM OF 2'-0" WIDE.

**ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (442)**

A QUANTITY OF THIS ITEM HAS BEEN PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THE ITEM SHALL BE USED FOR REPAIRING THE LOCATIONS OF PREVIOUSLY LAID INTERMEDIATE COURSE THAT HAVE BEEN USED FOR MAINTAINING TRAFFIC FOR LONGER THAN FOUR MONTHS THAT EXHIBIT SURFACE DETERIORATION. IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT. THE ENGINEER WILL DETERMINE WHICH AREAS ARE TO BE REPAIRED. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THIS ITEM SHALL BE PERFORMED WITHIN SEVEN CALANDAR DAYS PRIOR TO THE PAVING OF THE FINAL SURFACE COURSE.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (442) 2,000 SQ YD

DESIGN AGENCY



DESIGNER

BER

REVIEWER

VDK 08/09/23

PROJECT ID

76779

SHEET

P.0050

TOTAL

P.1587

**ITEM 614, MAINTAINING TRAFFIC**

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

NO WORK SHALL BE PERFORMED AND LANES IN THE THEN CURRENT MAINTENANCE OF TRAFFIC SCHEME SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

- NEW YEAR'S DAY (OBSERVED)
- MEMORIAL DAY
- FOURTH OF JULY (OBSERVED)
- LABOR DAY
- GENERAL/REGULAR ELECTION DAY (NOVEMBER)
- THANKSGIVING
- CHRISTMAS (OBSERVED)

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENTS FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR SPECIAL	TIME ALL LANES MUST BE OPEN FOR TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00AM TUESDAY
MONDAY (TOTAL SOLAR ECLIPSE)	12:00N FRIDAY THROUGH 6:00AM WEDNESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00AM WEDNESDAY
TUESDAY (GEN./REG. ELECTION)	5:00AM TUESDAY THROUGH 12:00AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	6:00AM WEDNESDAY THROUGH 6:00AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT FOUND IN THESE MOT NOTES.

ALL EXISTING RAMPS LANES SHALL BE OPEN AND AVAILABLE TO TRAFFIC IN THE ORIGINAL OR PROPOSED FINAL ALIGNMENT AT ALL TIMES EXCEPT FOR SINGLE LANE RAMPS MAYBE BE CLOSED FOR A PERIOD NOT TO EXCEED THE NUMBER OF CALENDAR DAYS LISTED IN THE WINDOW CONTRACT NOTE, WHEN TRAFFIC MAY BE DETOURED AS SHOWN ON SHEETS P.0084 TO P.0102. SHOULD THE CONTRACTOR FAIL TO MEET THESE REQUIREMENTS, A DISINCENTIVE SHALL BE ASSESSED ACCORDING TO THE TABLE IN THE WINDOW CONTRACT NOTE.

EXCEPT AS DESCRIBED IN THE APPROVED MAINTENANCE OF TRAFFIC POLICY EXCEPTION, A MINIMUM OF 4 LANES OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES EAST OF THE HILLARD BLVD. INTERCHANGE BY USE OF THE EXISTING PAVEMENT, THE COMPLETED PAVEMENT, ITEM 502 STRUCTURE FOR MAINTAINING TRAFFIC, ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, AND TEMPORARY SURFACES USING ITEMS 410 AND 614, EXCEPT 3 LANES SHALL BE IN EACH DIRECTION WEST OF THE HILLIARD BLVD. INTERCHANGE.

**ITEM 614, MAINTAINING TRAFFIC (CONTINUED)**

ALL EXISTING LANES, INCLUDING RAMPS, SHALL BE OPEN AND AVAILABLE TO TRAFFIC IN THE ORIGINAL OR PROPOSED FINAL ALIGNMENT DURING WINTER MONTHS DEFINED TO BE FROM OCTOBER 15 THROUGH MARCH 31. SHOULD THE CONTRACTOR FAIL TO MEET THESE REQUIREMENTS, A DISINCENTIVE SHALL BE ASSESSED ACCORDING TO THE TABLE IN THE INCENTIVE/DISINCENTIVE CONTRACT NOTE.

**SCHEDULE OF THROUGH LANES TO BE MAINTAINED**

ALL LANE CLOSURES MAY ONLY BE IMPLEMENTED AT THE TIMES PERMITTED BY THE "DISTRICT 12 PERMITTED LANE CLOSURE TIMES" LIST, WHICH IS LOCATED ON THE ODOT WEBSITE:

<http://www.dot.state.oh.us/districts/D12/HighwayManagement/Pages/PermittedLaneClosures.aspx>

THE LATEST REVISION, AT 14 DAYS PRIOR TO THE BID DATE, SHALL BE IN EFFECT FOR THIS PROJECT.

NO LANE OR SHOULDER CLOSURES SHALL BE IN PLACE WHEN NO WORK IS BEING PERFORMED, UNLESS DIRECTED BY THE ENGINEER. SHOULDER CLOSURES SHALL ONLY BE ALLOWED AT THE TIMES SPECIFIED FOR LANE CLOSURES.

ANY ROADWAY NOT LISTED SHALL NOT HAVE ANY LANE CLOSURES ON WEEKDAYS FROM 6:30AM TO 9:00AM AND 3:00PM TO 6:00PM. CONTACT TROY ONESTI, DISTRICT 12 WORK ZONE TRAFFIC MANAGER, AT (216) 584-2204 IF THERE ARE ANY QUESTIONS.

WORK TO REPAIR THE FASCIA BEAM AT WOOSTER ROAD STRUCTURE CUY-00020-08.470 DETAILED ON SHEETS P.1352, P.1353 AND P.1355A SHALL BE PERFORMED AT TIMES ALLOWED BY THE "DISTRICT 12 PERMITTED LANE CLOSURE TIMES." ALL TRAFFIC CONTROL DEVICES NECESSARY TO COMPLETE THIS WORK SHALL BE IN ACCORDANCE WITH AND ARE INCIDENTAL TO THE LUMP SUM FOR ITEM 614 - MAINTAINING TRAFFIC. NO SEPARATE PAYMENT WILL BE MADE.

**APPROVED MAINTENANCE OF TRAFFIC (MOT) POLICY EXCEPTION**

PORTIONS OF THE MOT PLANS AS DESCRIBED BELOW HAVE AN APPROVED MOT EXCEPTION PER TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)).

THE APPROVED MOT EXCEPTION INCLUDES A LONG-TERM SINGLE LANE CLOSURE FOR TWO CONSTRUCTION SEASONS EXCLUDING WINTER MONTHS ON I-90 EB FROM STA 540+44 TO STA 662+88. THIS LANE CLOSURE PERMITS THE TOTAL NUMBER OF OPEN EASTBOUND LANES TO BE REDUCED FROM FOUR TO THREE.

A MAINTENANCE OF TRAFFIC MEETING SHALL BE HELD A MINIMUM OF 30 CALENDAR DAYS PRIOR TO IMPLEMENTATION OF EACH APPROVED MOT EXCEPTION. THIS MEETING SHALL INCLUDE THE DISTRICT WORK ZONE TRAFFIC MANAGER, AS WELL AS THE CONTRACTOR, WORKSITE TRAFFIC SUPERVISOR (WTS) AND ANY SUBCONTRACTORS INVOLVED WITH TEMPORARY TRAFFIC CONTROL.

IN ADDITION TO ANY NOTIFICATIONS REQUIRED IN OTHER NOTES, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AT LEAST 3 BUSINESS DAYS IN ADVANCE OF IMPLEMENTATION OF THE APPROVED MOT EXCEPTION(S) REFERENCED ABOVE SO THAT THE PROJECT ENGINEER CAN SEND E-MAIL NOTIFICATION TO THE OFFICE OF ROADWAY ENGINEERING, STATEWIDE TMC, DWZTM AND SPECIAL HAULING PERMITS AT LEAST 2 BUSINESS DAYS IN ADVANCE OF THE IMPLEMENTATION OF THE APPROVED MOT EXCEPTION(S) REFERENCED ABOVE. REFERENCE "EXCEPTION REQUEST APPROVAL DATED 10/18/2022 FOR PID 76779" IN THE NOTIFICATION AND OTHER CORRESPONDENCE.

**APPROVED MAINTENANCE OF TRAFFIC (MOT) POLICY EXCEPTION (CONTINUED)**

ANY CHANGES TO THE MOT THAT IMPACT THE PREVIOUSLY APPROVED MOT EXCEPTION(S) LISTED ABOVE SHALL BE APPROVED IN WRITING BY THE MOT EXCEPTION COMMITTEE (MOTEC). IN THE EVENT THAT SUCH CHANGES ARE PROPOSED, THE REQUEST SHALL BE COORDINATED THROUGH THE DISTRICT WORK ZONE TRAFFIC MANAGER (DWZTM) A MINIMUM OF 30 CALENDAR DAYS PRIOR TO THE DESIRED IMPLEMENTATION DATE. IF THE DISTRICT AGREES WITH THE PROPOSED CHANGES THE DWZTM SHALL SEEK APPROVAL FROM THE MOTEC. IN THE EVENT THE PROPOSED CHANGES ARE APPROVED IN WRITING, THE CLOSURES ARE STILL SUBJECT TO NOTIFICATION REQUIREMENTS WITHIN THIS NOTE PRIOR TO IMPLEMENTATION.

**LANE VALUE CONTRACT TABLE**

OUTSIDE OF WINTER MONTHS AND THE APPROVED MOT POLICY EXCEPTION, THE CONTRACTOR SHALL BE ASSESSED DISINCENTIVES AS DESIGNATED IN THE LANE VALUE CONTRACT TABLE FOR EACH UNIT OF TIME THE DESCRIBED CRITICAL LANE/RAMP IS RESTRICTED FROM FULL USE BY THE TRAVELING PUBLIC WITHIN THE RESTRICTED TIME PERIOD. THE LANE VALUE CONTRACT TABLE IS LOCATED BELOW. THE DISINCENTIVES WILL BE ASSESSED FOR ALL RESTRICTIONS OF THE CRITICAL WORK.

CRITICAL WORK IS SHOWN IN THE LANE VALUE CONTRACT TABLE.

CRITICAL WORK IS DEFINED AS HAVING THE DESIGNATED SECTIONS OPEN TO UNRESTRICTED TRAFFIC AS SHOWN IN THE TABLE, OR THE ENTIRE PROJECT IF NOT OTHERWISE LISTED.

UNRESTRICTED TRAFFIC IS DEFINED AS ALL TRAFFIC LANES BEING AVAILABLE FOR USE WITH SPECIFIED STRIPING AND SAFETY FEATURES IN PLACE. DISINCENTIVES SHALL APPLY TO EACH LANE RESTRICTED BEYOND THOSE ALLOWED IN THE D12 PERMITTED LANE TIMES.

DESCRIPTION OF CRITICAL LANE/RAMP TO BE MAINTAINED	RESTRICTION TIME PERIOD	TIME UNIT	DISINCENTIVE \$ PER TIME UNIT PER LANE
I.R. 90 FROM LAKEVIEW AVE TO WOOSTER RD	AS PER THE D12 PERMITTED LANE TIMES	EACH MINUTE	\$275
I.R. 90 FROM WOOSTER RD TO WEST BLVD	AS PER THE D12 PERMITTED LANE TIMES	EACH MINUTE	\$265
RAMPS HA, HB, 117-12	ONE LANE OPEN AT ALL TIMES	EACH MINUTE	\$265

**INCENTIVE/DISINCENTIVE CONTRACT**

THE CONTRACTOR SHALL COMPLETE ALL CRITICAL WORK AND SAFETY ITEMS ACCORDING TO THE DISINCENTIVE CONTRACT TABLES. THE INCENTIVE/DISINCENTIVE CONTRACT TABLE ARE LOCATED BELOW. IN THE EVENT THE CONTRACTOR IMPEDES THE FLOW OF TRAFFIC SUBSEQUENT TO THE OPENING TO UNRESTRICTED TRAFFIC, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE ACCORDING TO THE INCENTIVE/DISINCENTIVE CONTRACT TABLE.

CRITICAL WORK IS SHOWN IN THE INCENTIVE/DISINCENTIVE CONTRACT TABLE.

CRITICAL WORK IS DEFINED AS HAVING THE DESIGNATED SECTION OF WORK OPEN TO UNRESTRICTED TRAFFIC AS SHOWN IN THE TABLES, OR THE ENTIRE PROJECT IF NOT OTHERWISE LISTED.

UNRESTRICTED TRAFFIC IS DEFINED AS ALL TRAFFIC LANES BEING AVAILABLE FOR USE AT THEIR FINAL DESIGN WIDTH WITH ALL MARKINGS, RPM'S, AND SAFETY FEATURES INSTALLED, ALONG WITH NO RESTRICTIONS WITHIN 2 FEET OF THE EDGE LINE ON THE SHOULDERS.

DESCRIPTION OR LOCATION OF CRITICAL WORK	COMPLETION DATE	TIME PERIOD	DISINCENTIVE \$ PER TIME PERIOD	INCENTIVE \$ PER TIME PERIOD
PHASE 1 COMPLETE; START WINTER PHASE 1	10/15/2024	DAY	\$10,000	\$0
PHASE 3 COMPLETE; START WINTER PHASE 2	10/15/2025	DAY	\$10,000	\$0
PHASE 5 COMPLETE; START WINTER PHASE 3	10/15/2026	DAY	\$10,000	\$0

**DUST CONTROL**

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER 353 M. GAL.

**DETOUR SIGNING**

DETOUR SIGNING SHALL BE AS DETAILED IN THE PLANS. THE FOLLOWING ITEM HAS BEEN INCLUDED IN THE GENERAL SUMMARY.

ITEM 614, DETOUR SIGNING LUMP SUM

DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET TOTAL	P.0056 P.1587

**FLEXIBLE START WINDOW CONTRACT**

THE FOLLOWING TABLE SHALL BE USED IN CONJUNCTION WITH THE FLEXIBLE START WINDOW CONTRACT PROPOSAL NOTE.

DESCRIPTION OF CRITICAL WORK	CALENDAR DAYS TO COMPLETE	DISINCENTIVE \$ PER DAY	WORK WINDOW	
			START	END
RAMP HA	14 DAYS	\$1,500	START OF PHASE 3A	END OF PHASE 3A
WB RT TURN ON TO RAMP HA	45 DAYS	\$1,500	START OF PHASE 3B	END OF PHASE 3B
RAMP MC	45 DAYS	\$1,500	START OF PHASE 5	END OF PHASE 5
RAMP MD	45 DAYS	\$1,500	START OF PHASE 3	END OF PHASE 3
RAMP ME	45 DAYS	\$1,500	START OF PHASE 3	END OF PHASE 3
RAMP MF	45 DAYS	\$1,500	START OF PHASE 5	END OF PHASE 5
RAMP W1	45 DAYS	\$1,500	START OF PHASE 5	END OF PHASE 5
RAMP W2	45 DAYS	\$1,500	START OF PHASE 3	END OF PHASE 3
RAMP W1A	45 DAYS	\$1,500	START OF PHASE 5	END OF PHASE 5
RAMP W2A	45 DAYS	\$1,500	START OF PHASE 3	END OF PHASE 3
RAMP 140-3	45 DAYS	\$1,500	START OF PHASE 5	END OF PHASE 5
RAMP 140-4	45 DAYS	\$1,500	START OF PHASE 3	END OF PHASE 3
RAMP 117-5	45 DAYS	\$5,000	START OF PHASE 5	END OF PHASE 5
RAMP 117-7	45 DAYS	\$5,000	START OF PHASE 3	END OF PHASE 3
RAMP 117-8	45 DAYS	\$5,000	START OF PHASE 3	END OF PHASE 3
RAMP 117-9	45 DAYS	\$5,000	START OF PHASE 3	END OF PHASE 3
RAMP 117-11	45 DAYS	\$5,000	START OF PHASE 5	END OF PHASE 5
RAMP W13	45 DAYS	\$1,500	START OF PHASE 2	END OF PHASE 2
RAMP W13	14 DAYS	\$1,500	START OF PHASE 5	END OF PHASE 5
RAMP W14	45 DAYS	\$1,500	START OF PHASE 3	END OF PHASE 3

R7

R7

R5

**NOTICE OF CLOSURE SIGNS**

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW.

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

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

THE PCMS SHALL DISPLAY THE NAME OF THE ROAD OR RAMP AND THE DATE OF THE CLOSURE IN MMM-DD FORMAT.

**ROAD CLOSED SIGN**

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48 X 30 INCH ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 SHOWN ON MAINTENANCE OF TRAFFIC PLANS DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

**PLACEMENT OF ASPHALT CONCRETE**

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES.

**TRENCH FOR WIDENING**

TRENCH EXCAVATION FOR BASE WIDENING SHALL BE ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER.

MAINTENANCE OF TRAFFIC NOTES

SEQUENCE OF CONSTRUCTION

FOR TEMPORARY DRAINAGE, SEE MOT PLANS AND DRAINAGE DETAILS

PHASE 1

TRAFFIC:

- 1. TRAFFIC LOCATED ON ITS EXISTING PATTERN EXCEPT AS SHOWN IN THE PLANS

CONSTRUCTION:

- 1. FOUR CROSSOVERS. FIRST WEST OF LAKEVIEW AVE, SECOND WEST OF WOOSTER RD, THIRD WEST OF ALGER RD, AND FOURTH EAST OF W 85TH ST
2. TEMPORARY PAVEMENT ON THE OUTSIDE OF RAMP HA
3. FASCIA BEAM REPAIR AT WOOSTER ROAD STRUCTURE CUY-00020-08.470

WINTER PHASE 1

- 1. ALL LANES ARE OPEN AND RESTORED TO THEIR PRE-CONSTRUCTION LOCATION
2. CROSSOVERS SHALL BE PROTECTED USING PORTABLE BARRIER

PHASE 2 STEP A

TRAFFIC:

- 1. ALL RAMPS ARE OPEN EXCEPT RAMP W13
2. ONE EASTBOUND LANE IS CLOSED FROM HILLIARD BLVD TO THE WARREN RD ENTRANCE RAMP.
3. SHIFT IR 90 WESTBOUND LANES TO OUTSIDE OF IR 90 WESTBOUND SIDE BETWEEN WEST OF LAKEVIEW AVE AND EAST OF W 85TH ST UTILIZING EXISTING SHOULDER
4. CROSSOVER INSIDE IR 90 EASTBOUND LANE TO INSIDE OF IR 90 WESTBOUND SIDE WEST OF LAKEVIEW AVE
5. CROSSOVER INSIDE IR 90 EASTBOUND LANE TO INSIDE OF IR 90 WESTBOUND SIDE WEST OF ALGER RD
6. CROSSOVER TWO INSIDE IR 90 EASTBOUND LANES BACK TO IR 90 EASTBOUND SIDE EAST OF W 85TH ST
7. SHIFT TWO OUTSIDE IR 90 EASTBOUND LANES TO OUTSIDE OF IR 90 EASTBOUND SIDE BETWEEN WEST OF LAKEVIEW AVE AND EAST OF W 85TH ST

CONSTRUCTION:

- 1. INSIDE PORTION OF IR 90 EASTBOUND SIDE BETWEEN EAST OF LAKEVIEW AVE AND WEST OF WEST BLVD UP TO INTERMEDIATE COURSE
2. RAMP W13 AND ADJACENT TRUNK SEWER

PHASE 2 STEP B (WILL BE COMPLETED DURING NIGHTTIMES AND WEEKENDS)

TRAFFIC:

- 1. TRAFFIC PATTERN FOR IR 90 EASTBOUND AND WESTBOUND SIDES REMAINS UNCHANGED
2. CLOSE CROSSOVER LANE THAT LOCATED WEST OF ALGER RD

CONSTRUCTION:

- 1. REMAINING INSIDE PORTION OF IR 90 EASTBOUND SIDE AT THE SECOND CROSSOVER LOCATION UP TO INTERMEDIATE COURSE

STEPS SEQUENCE DURING PHASE 2:

- STEP B CAN BE COMPLETED ANYTIME DURING STEP A

PHASE 3 STEP A

TRAFFIC:

- 1. ALL RAMPS ARE OPEN EXCEPT SHORT-TERM CLOSURE OF RAMP HA
2. TRAFFIC PATTERN FOR IR 90 WESTBOUND SIDE REMAINS UNCHANGED
3. SHIFT TWO OUTSIDE IR 90 EASTBOUND LANES TO INSIDE OF IR 90 EASTBOUND SIDE BETWEEN WEST OF LAKEVIEW AVE AND EAST OF W 85TH ST
4. SHIFT RAMP HA TRAFFIC TO OUTSIDE OF ITS PAVEMENT

CONSTRUCTION:

- 1. OUTSIDE PORTION OF IR 90 EASTBOUND SIDE BETWEEN EAST OF LAKEVIEW AVE AND WEST OF WEST BLVD UP TO INTERMEDIATE COURSE
2. INSIDE PORTION OF RAMP HA
3. DRAINAGE IN FRONT OF WOOSTER ROAD REAR ABUTMENT
4. INSTALL TEMPORARY PAVEMENT MARKINGS IN PERMANENT LOCATION

PHASE 3 STEP B

TRAFFIC:

- 1. TRAFFIC PATTERN FOR IR 90 EASTBOUND AND WESTBOUND SIDES REMAINS UNCHANGED
2. RAMPS MD, W2A, 117-8, 117-7, AND ME ARE CLOSED
3. SHIFT RAMP HA TRAFFIC TO INSIDE OF ITS PAVEMENT

CONSTRUCTION:

- 1. RAMPS MD, W2A, 117-8, 117-7, AND ME
2. OUTSIDE PORTION OF RAMP HA

PHASE 3 STEP C

TRAFFIC:

- 1. TRAFFIC PATTERN FOR IR 90 EASTBOUND AND WESTBOUND SIDES REMAIN UNCHANGED
2. RAMPS ME, W2, 140-4, 117-9, AND W14 ARE CLOSED

CONSTRUCTION:

- 1. RAMPS ME, W2, 140-4, 117-9, AND W14

STEPS SEQUENCE DURING PHASE 3:

- STEP B CAN BE COMPLETED ANYTIME DURING STEP A
- STEP B MUST BE COMPLETED BEFORE STEP C BEGINS
- STEP C MUST BE COMPLETED AS THE LAST PART OF STEP A

RAMP CONSTRUCTION SEQUENCE DURING PHASE 3:

- RAMPS ME AND W2 MUST BE DONE AS THE LAST PART OF PHASE 3

WINTER PHASE 2

- 1. THE EASTBOUND LANE THAT WAS CLOSED IN PHASE 2 STEP A IS OPEN
2. ALL LANES ARE OPEN AND RESTORED TO THEIR PRE-CONSTRUCTION LOCATION
3. CROSSOVERS SHALL BE PROTECTED USING PORTABLE BARRIER

PHASE 4 STEP A

TRAFFIC:

- 1. ALL RAMPS ARE OPEN
2. ONE EASTBOUND LANE IS CLOSED FROM HILLIARD BLVD TO THE WARREN RD ENTRANCE RAMP.
3. PATTERN REMAINS UNCHANGED FOR THE TWO OUTSIDE IR 90 WESTBOUND LANES
4. CROSSOVER INSIDE IR 90 WESTBOUND LANE TO INSIDE OF IR 90 EASTBOUND SIDE WEST OF LAKEVIEW AVE
5. SHIFT IR 90 EASTBOUND LANES TO OUTSIDE OF IR 90 EASTBOUND SIDE BETWEEN WEST OF LAKEVIEW AVE AND EAST OF W 85TH ST
6. CROSSOVER INSIDE IR 90 WESTBOUND LANE TO INSIDE OF IR 90 EASTBOUND SIDE WEST OF ALGER RD
7. CROSSOVER TWO INSIDE IR 90 WESTBOUND LANES BACK TO IR 90 WESTBOUND SIDE EAST OF W 85TH ST

CONSTRUCTION:

- 1. INSIDE PORTION OF IR 90 WESTBOUND SIDE BETWEEN EAST OF LAKEVIEW AVE AND WEST OF W 85TH ST UP TO INTERMEDIATE COURSE

PHASE 4 STEP B (WILL BE COMPLETED DURING NIGHT TIMES AND WEEKENDS)

TRAFFIC:

- 1. TRAFFIC PATTERN FOR IR 90 EASTBOUND AND WESTBOUND SIDES REMAIN UNCHANGED
2. CLOSE CROSSOVER LANE LOCATED WEST OF WOOSTER RD

CONSTRUCTION:

- 1. REMAINING INSIDE PORTION OF IR 90 WESTBOUND SIDE AT CROSSOVER LOCATION WEST OF WOOSTER RD UP TO INTERMEDIATE COURSE

STEPS SEQUENCE DURING PHASE 4:

- STEP B CAN BE COMPLETED ANYTIME DURING STEP A

PHASE 5 STEP A

TRAFFIC:

- 1. ALL RAMPS ARE OPEN
2. TRAFFIC PATTERN FOR IR 90 EASTBOUND SIDE REMAINS UNCHANGED
3. SHIFT TWO OUTSIDE IR 90 WESTBOUND LANES TO INSIDE OF IR 90 WESTBOUND SIDE BETWEEN WEST OF LAKEVIEW AVE AND EAST OF W 85TH ST
4. SHIFT RAMP HB TRAFFIC TO OUTSIDE OF ITS PAVEMENT

CONSTRUCTION:

- 1. OUTSIDE PORTION OF IR 90 WESTBOUND SIDE BETWEEN EAST OF LAKEVIEW AVE AND WEST OF W 85TH ST UP TO INTERMEDIATE COURSE

- 2. INSIDE PORTION OF RAMP HB AND RAMP 117-12

PHASE 5 STEP B

TRAFFIC:

- 1. TRAFFIC PATTERN FOR IR 90 EASTBOUND AND WESTBOUND SIDES REMAINS UNCHANGED
2. RAMPS MC, W1A, 117-5, AND 117-11 ARE CLOSED
3. SHIFT RAMP HB TRAFFIC TO INSIDE OF ITS PAVEMENT

CONSTRUCTION:

- 1. RAMPS MC, W1A, 117-5, AND 117-11
2. OUTSIDE PORTION OF RAMP HB AND RAMP 117-12

PHASE 5 STEP C

TRAFFIC:

- 1. TRAFFIC PATTERN FOR IR 90 EASTBOUND AND WESTBOUND SIDES REMAINS UNCHANGED
2. RAMPS MF, W1, 140-3, AND W13 ARE CLOSED

CONSTRUCTION:

- 1. RAMPS MF, W1, 140-3, AND W13 CONNECTION

STEP SEQUENCE DURING PHASE 5:

- STEP B CAN BE COMPLETED ANYTIME DURING STEP A
- STEP B MUST BE COMPLETED BEFORE STEP C BEGINS
- STEP C MUST BE COMPLETED AS THE LAST PART OF STEP A

RAMP CONSTRUCTION SEQUENCE DURING PHASE 5:

- RAMPS MF AND W1 MUST BE DONE AS THE LAST PART OF PHASE 5

MOT DRAINAGE CURB REMOVAL

THE CONTRACTOR SHALL REMOVE THE EXISTING OUTSIDE CURB WHERE NECESSARY TO FACILITATE DRAINAGE DURING MOT. ALL WORK SHALL BE IN ACCORDANCE WITH C&MS 202 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS. PAYMENT FOR THE ABOVE WORK SHALL BE INCLUDED AT THE UNIT PRICE BID FOR ITEM 202, CURB REMOVAL.

THE FOLLOWING IS A LIST OF LOCATIONS WHERE THE CONTRACTOR IS TO REMOVE THE EXISTING OUTSIDE CURB FOR MOT PHASES 1 AND 2:

Table with columns: BEGIN STATION, BEGAINMENT, END STATION, END ALIGNMENT, SIDE, NOTES. Contains data for CURB REMOVAL locations.

WINTER PHASE 3

- 1. THE EASTBOUND LANE THAT WAS CLOSED IN PHASE 4 STEP A IS OPEN
2. ALL LANES ARE OPEN AND RESTORED TO THEIR PRE-CONSTRUCTION LOCATION
3. CROSSOVERS SHALL BE PROTECTED USING PORTABLE BARRIER

PHASE 6

TRAFFIC:

- 1. ALL RAMPS ARE OPEN
2. TRAFFIC PATTERN FOR IR 90 EASTBOUND AND WESTBOUND IS IN ITS PERMANENT LOCATION
3. SHOULDER CLOSURE PER SCD MT-95.45

CONSTRUCTION:

- 1. MEDIAN BARRIER AT FIRST CROSSOVER WEST OF LAKEVIEW AVE
2. MEDIAN BARRIER AT SECOND CROSSOVER WEST OF WOOSTER RD
3. MEDIAN BARRIER AND TEMPORARY PAVEMENT REMOVAL AT THIRD CROSSOVER WEST OF ALGER RD
4. INSTALL SURFACE COURSE BETWEEN WEST END OF THE PROJECT AND EAST END OF PROJECT
5. INSTALL TEMPORARY AND SUBSEQUENTLY PERMANENT PAVEMENT MARKINGS IN PERMANENT LOCATION

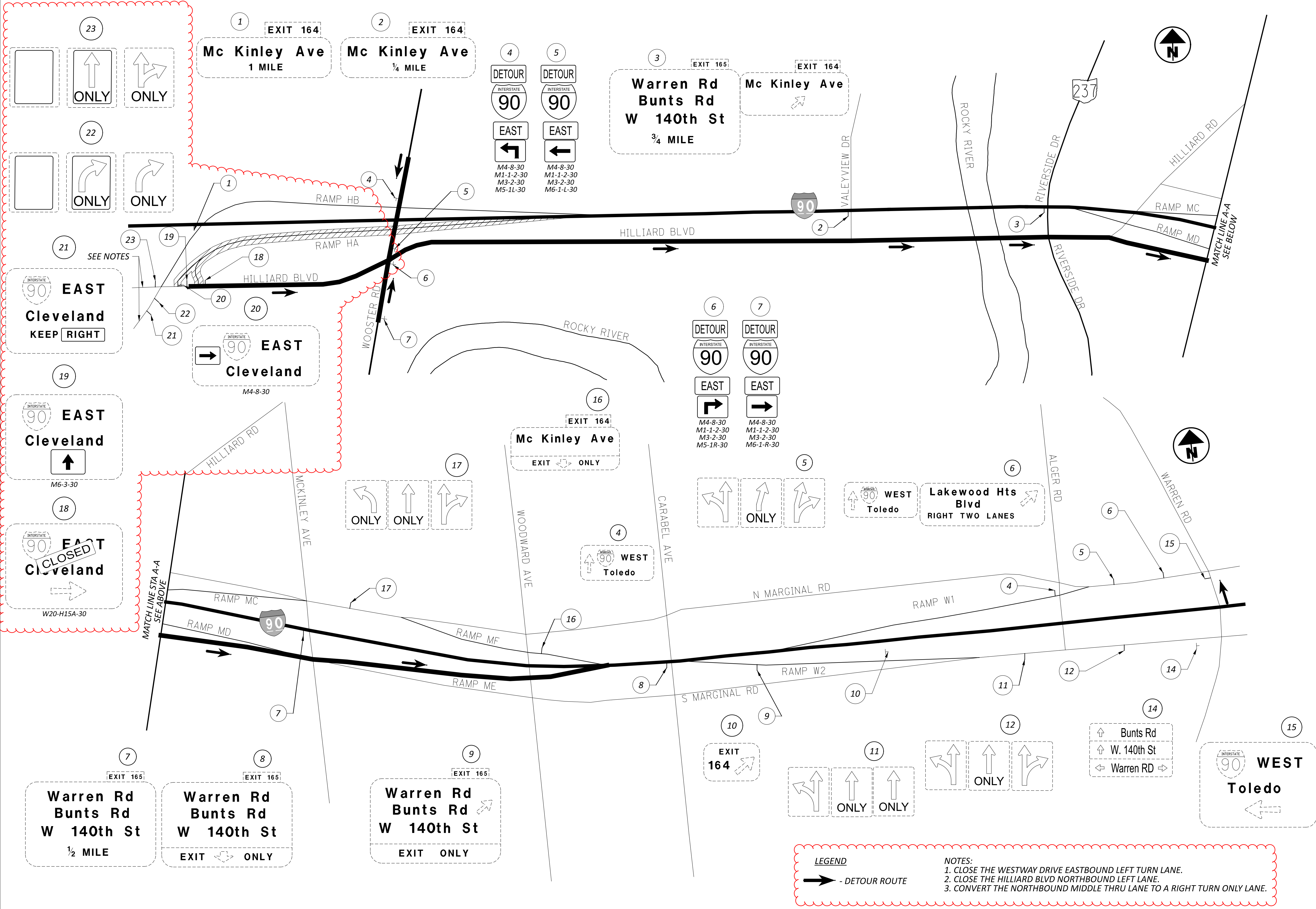
MOT DRAINAGE TEMPORARY FILTER SOCK, FILTER FENCE, OR TEMPORARY STORAGE DITCHES

THE CONTRACTOR SHALL INSTALL TEMPORARY FILTER SOCK, FILTER FENCE, OR TEMPORARY STORAGE DITCHES BEHIND THE CURB TO SLOW THE SURFACE RUNOFF FROM THE SLOPE, OVER THE CURB, INTO THE ROADWAY DURING MOT PHASES 1 AND 2. INSTALLATION OF THESE MATERIALS SHOULD BE CONSISTENT WITH THE ODOT TEMPORARY EROSION AND SEDIMENT CONTROL MANUAL AND ALL APPLICABLE SECTIONS OF THE ODOT C&MS. THE INSTALLATION OF THESE MATERIALS SHALL BE INCIDENTAL TO THE LUMP SUM PRICE FOR 614, MAINTAINING TRAFFIC.

THE FOLLOWING IS A LIST OF LOCATIONS WHERE THE CONTRACTOR IS TO PROVIDE TEMPORARY FILTER SOCK, FILTER FENCE, OR TEMPORARY STORAGE DITCHES BEHIND THE CURB FOR MOT PHASES 1 AND 2:

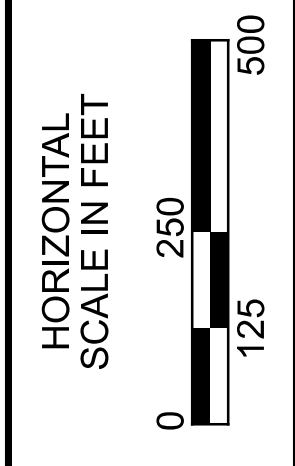
Table with columns: BEGIN STATION, BEGIN ALIGNMENT, END STATION, END ALIGNMENT, SIDE. Contains data for FILTER SOCK, FILTER FENCE, OR TEMP STORAGE DITCH LOCATIONS.





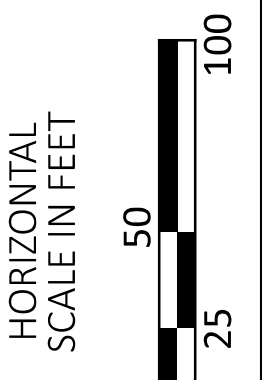
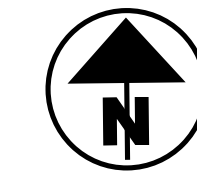
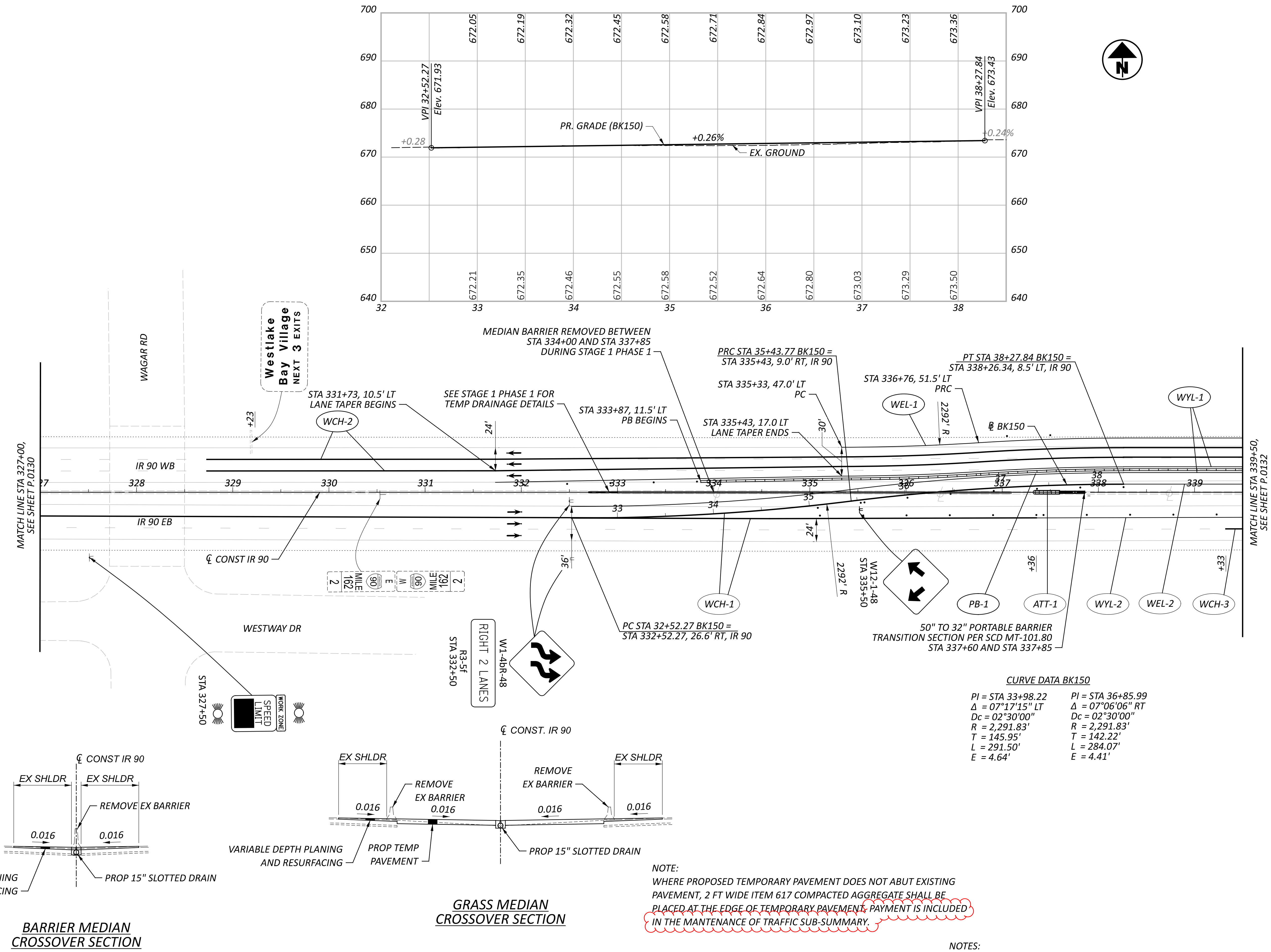
**LEGEND**  
 - DETOUR ROUTE

**NOTES:**  
 1. CLOSE THE WESTWAY DRIVE EASTBOUND LEFT TURN LANE.  
 2. CLOSE THE HILLIARD BLVD NORTHBOUND LEFT LANE.  
 3. CONVERT THE NORTHBOUND MIDDLE THRU LANE TO A RIGHT TURN ONLY LANE.

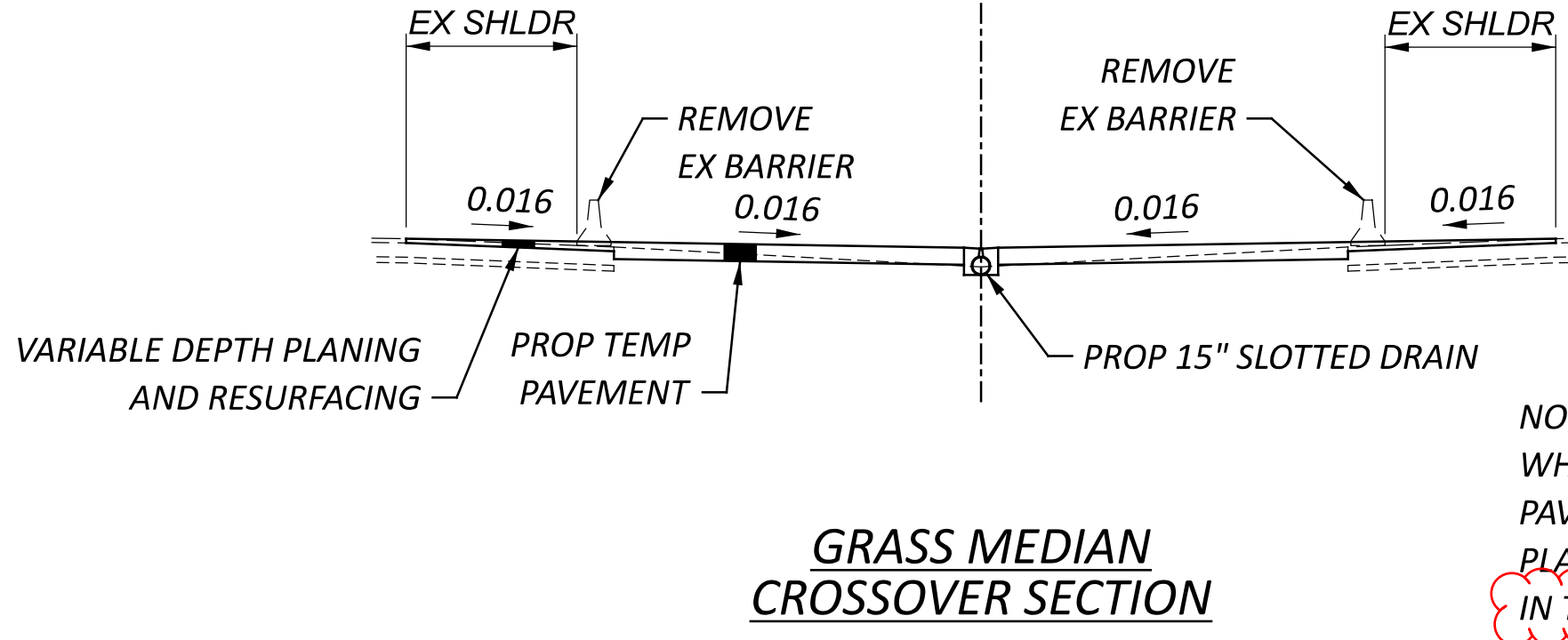
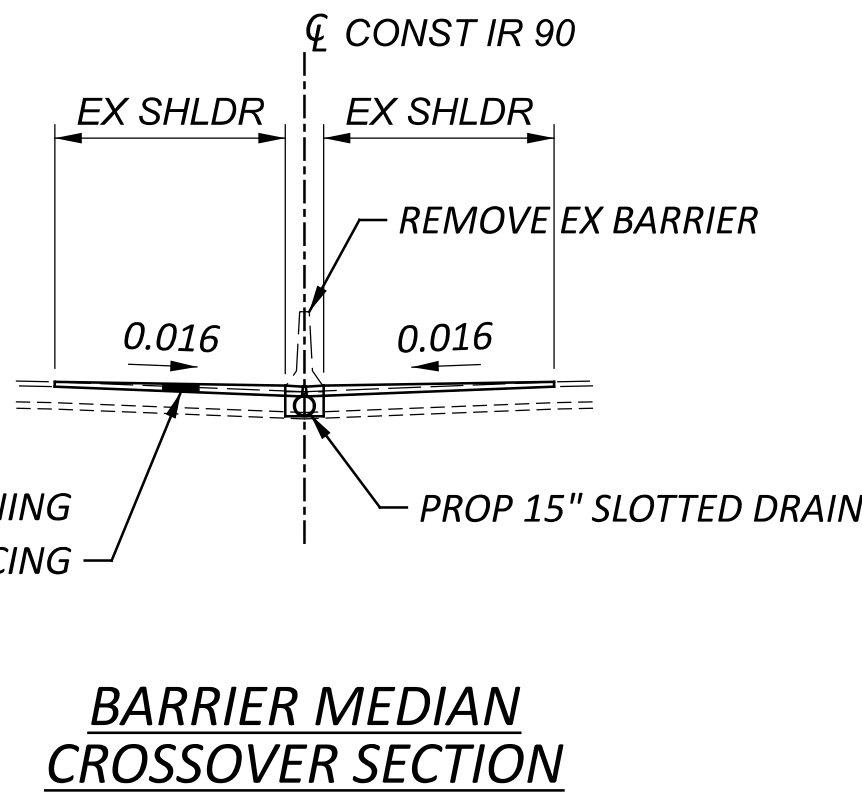


MAINTENANCE OF TRAFFIC DETOUR SHEET  
 HILLIARD BLVD TO I-90 EB (RAMP HA, STAGE 1 PHASE 3A AND 3B)

DESIGN AGENCY	STRUCTUREPOINT INC.
DESIGNER	JJD
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET TOTAL	P.0101   P.1587



MAINTENANCE OF TRAFFIC PHASE 2A, 2B  
 STA 327+00 TO STA 339+50



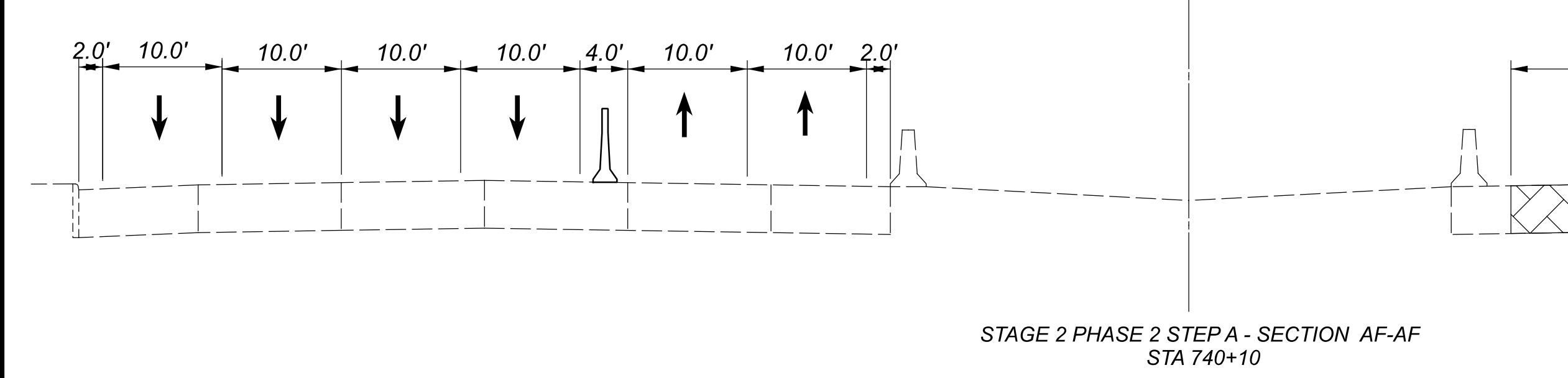
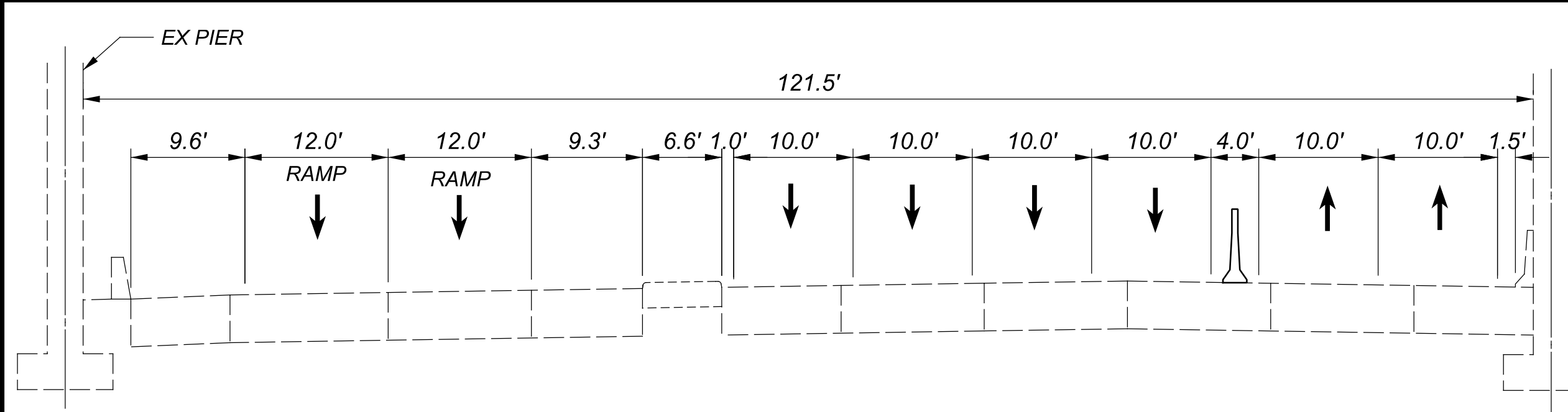
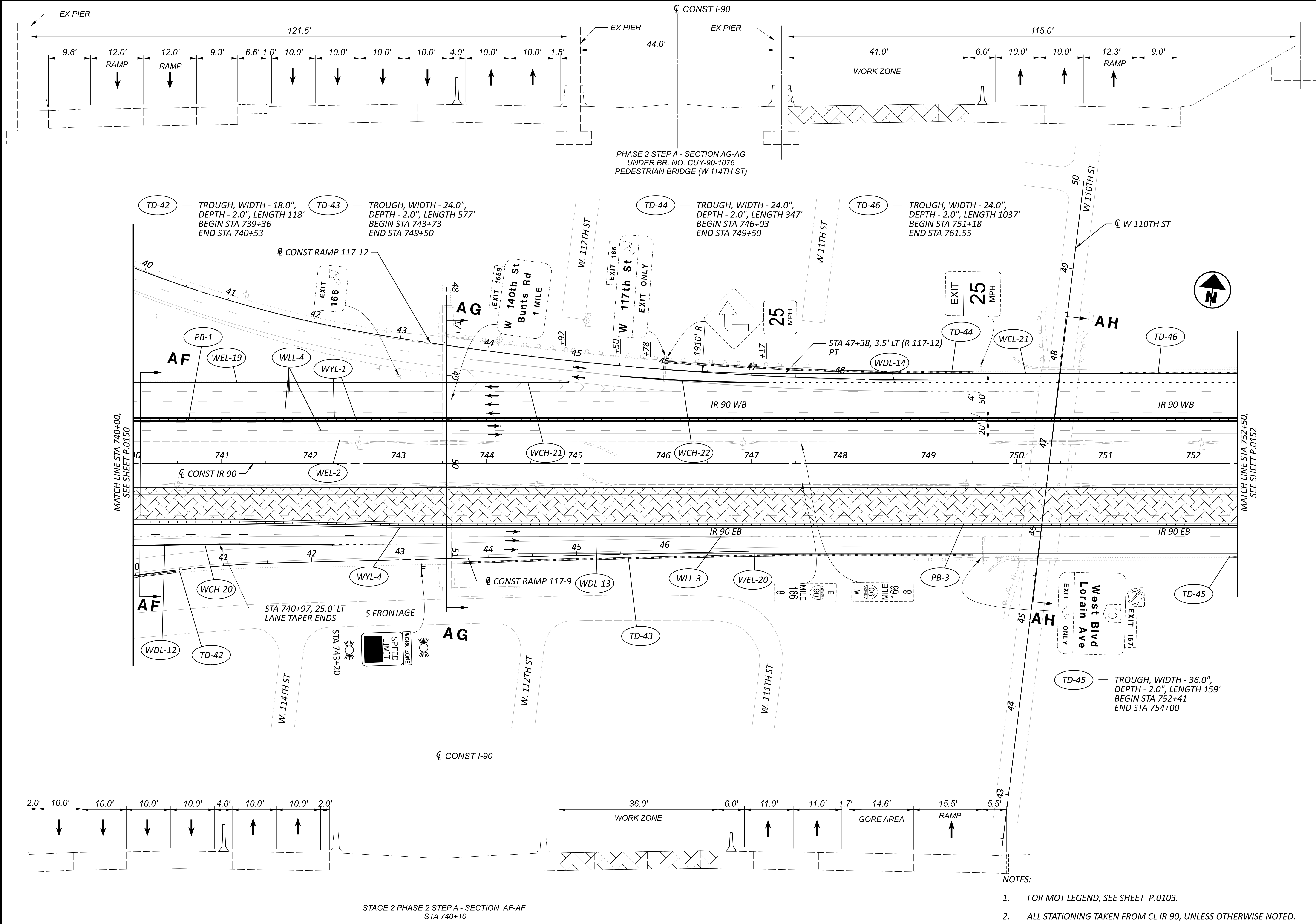
**CURVE DATA BK150**

PI = STA 33+98.22	PI = STA 36+85.99
$\Delta = 07^{\circ}17'15''$ LT	$\Delta = 07^{\circ}06'06''$ RT
Dc = 02°30'00"	Dc = 02°30'00"
R = 2,291.83'	R = 2,291.83'
T = 145.95'	T = 142.22'
L = 291.50'	L = 284.07'
E = 4.64'	E = 4.41'

NOTE:  
 WHERE PROPOSED TEMPORARY PAVEMENT DOES NOT ABUT EXISTING PAVEMENT, 2 FT WIDE ITEM 617 COMPACTED AGGREGATE SHALL BE PLACED AT THE EDGE OF TEMPORARY PAVEMENT. PAYMENT IS INCLUDED IN THE MAINTENANCE OF TRAFFIC SUB-SUMMARY.

- NOTES:
- FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0130.
  - ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

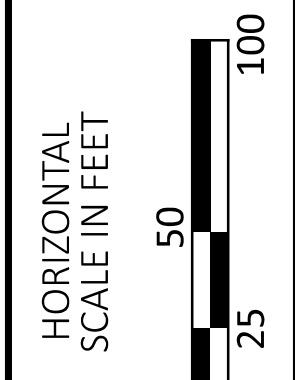
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	DMS
REVIEWER	RDC 04/14/23
PROJECT ID	76779
SHEET TOTAL	P.0131 P.1587



PHASE 2 STEP A - SECTION AG-AG  
UNDER BR. NO. CUY-90-1076  
PEDESTRIAN BRIDGE (W 114TH ST)

STAGE 2 PHASE 2 STEP A - SECTION AF-AF  
STA 740+10

- TD-42 — TROUGH, WIDTH - 18.0", DEPTH - 2.0", LENGTH 118' BEGIN STA 739+36 END STA 740+53
- TD-43 — TROUGH, WIDTH - 24.0", DEPTH - 2.0", LENGTH 577' BEGIN STA 743+73 END STA 749+50
- TD-44 — TROUGH, WIDTH - 24.0", DEPTH - 2.0", LENGTH 347' BEGIN STA 746+03 END STA 749+50
- TD-46 — TROUGH, WIDTH - 24.0", DEPTH - 2.0", LENGTH 1037' BEGIN STA 751+18 END STA 761.55
- TD-45 — TROUGH, WIDTH - 36.0", DEPTH - 2.0", LENGTH 159' BEGIN STA 752+41 END STA 754+00

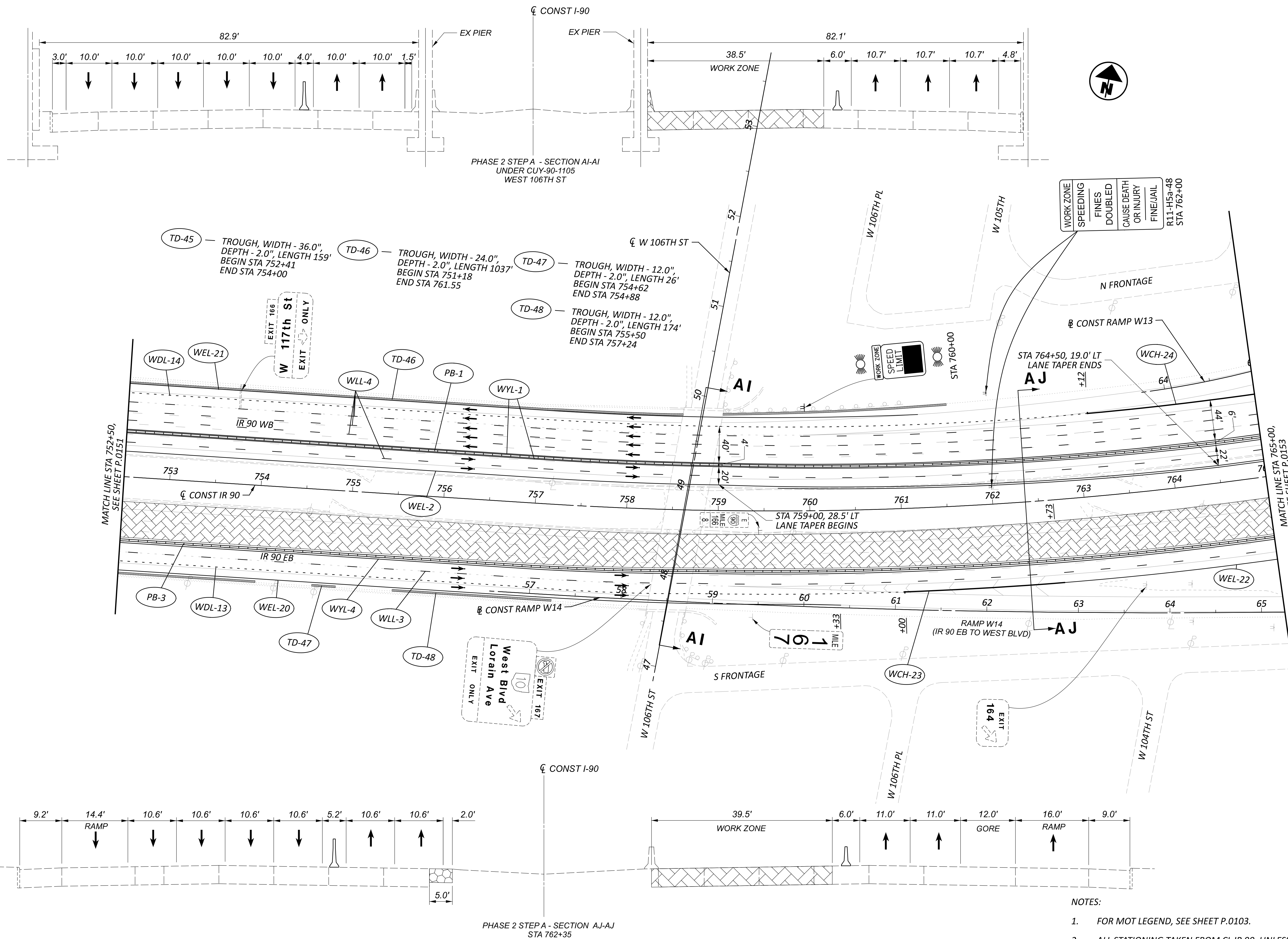


MAINTENANCE OF TRAFFIC PHASE 2A, 2B  
STA 740+00 TO STA 752+50

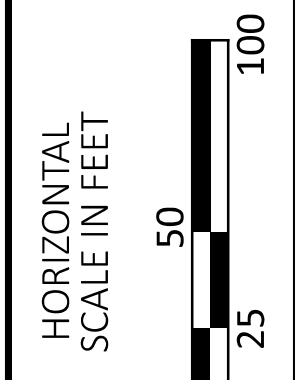
DESIGN AGENCY	AMERICAN STRUCTUREPOINT
DESIGNER	DMS
REVIEWER	RDC 04/14/23
PROJECT ID	76779
SHEET	P.0151
TOTAL	P.1587

- NOTES:
- FOR MOT LEGEND, SEE SHEET P.0103.
  - ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.



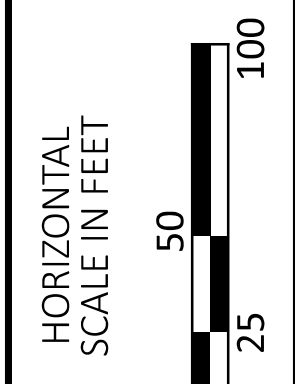
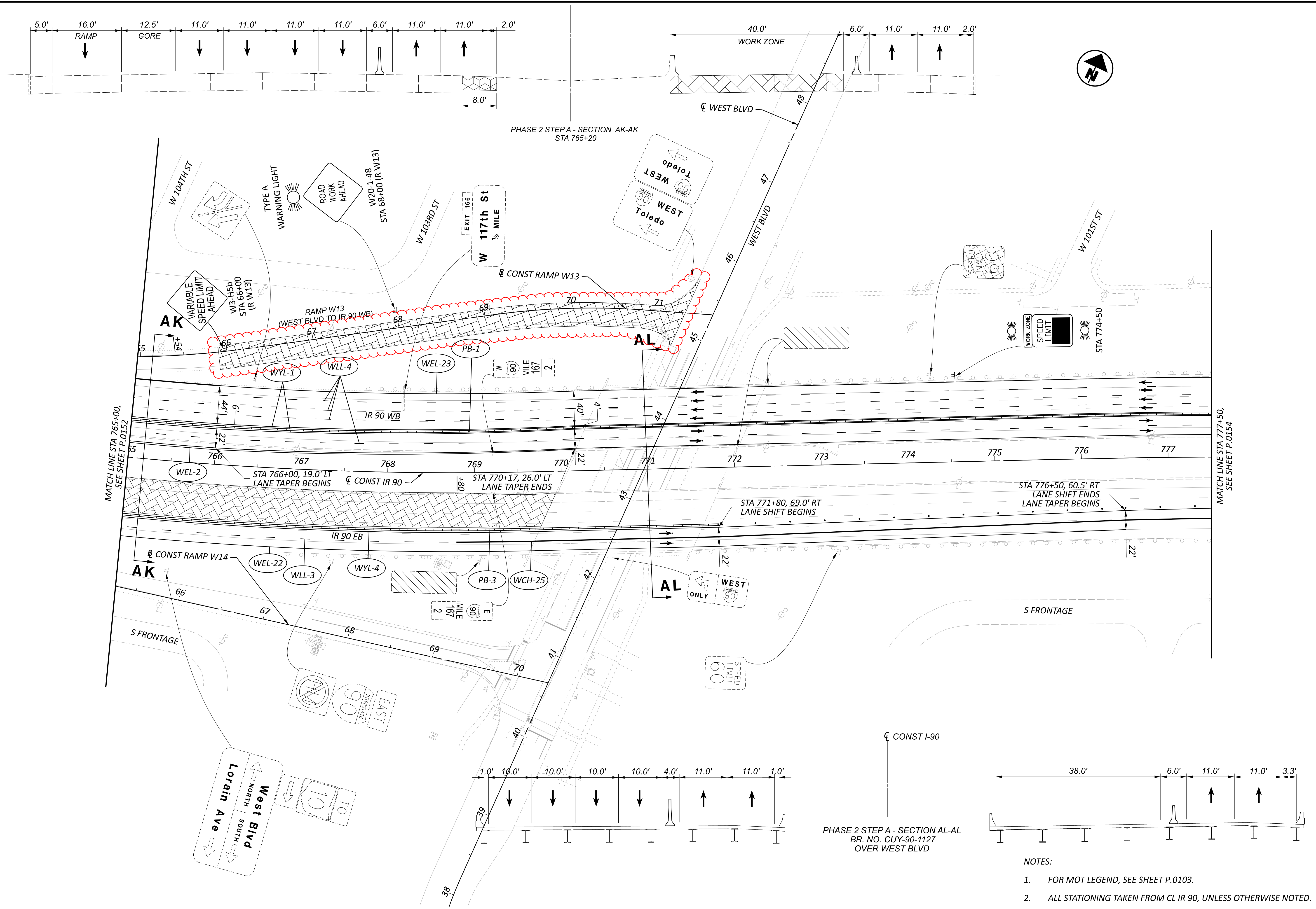


WORK ZONE	
SPEEDING	
FINES DOUBLED	
CAUSE DEATH OR INJURY	
FINE/JAIL	
R11-H5a-48	
STA 762+00	



MAINTENANCE OF TRAFFIC PHASE 2A, 2B  
 STA 752+50 TO STA 765+00

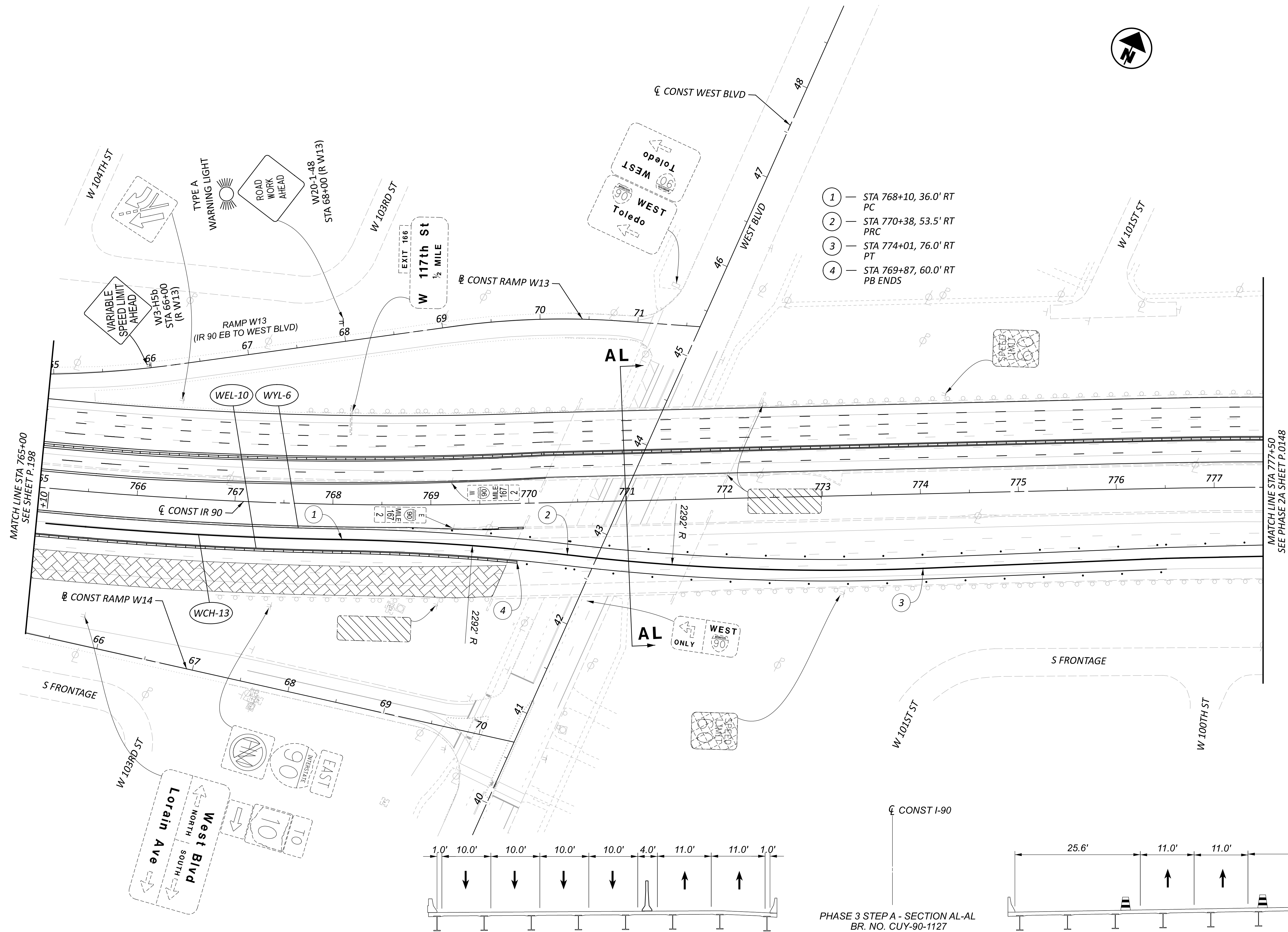
DESIGN AGENCY	STRUCTUREPOINT
DESIGNER	DMS
REVIEWER	RDC 04/14/23
PROJECT ID	76779
SHEET	P.0152
TOTAL	P.1587



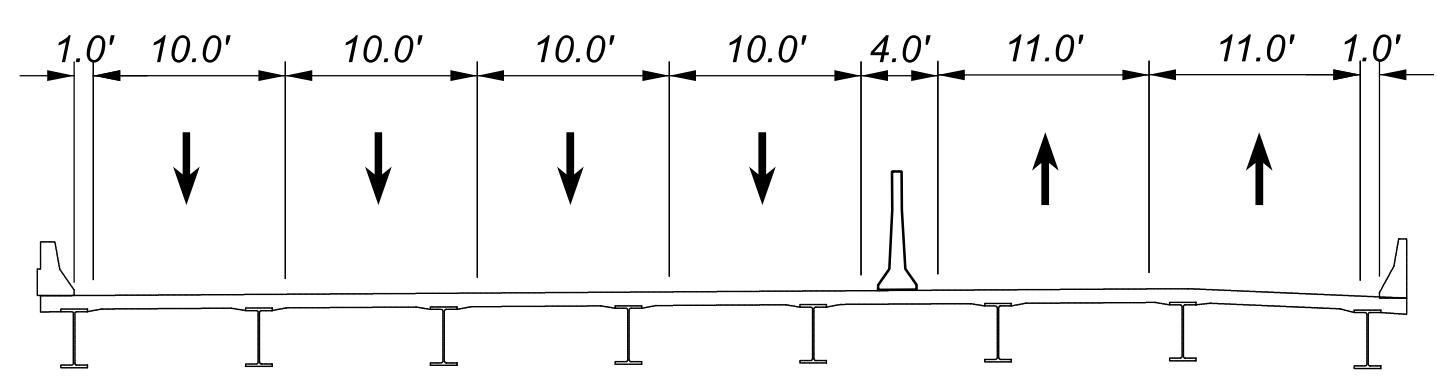
MAINTENANCE OF TRAFFIC PHASE 2A, 2B  
 STA 765+00 TO STA 777+50

DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	DMS
REVIEWER	RDC 04/14/23
PROJECT ID	76779
SHEET	P.0153
TOTAL	P.1587

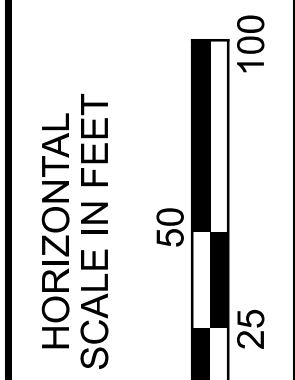
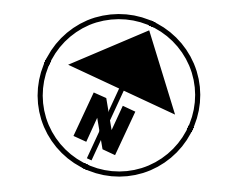
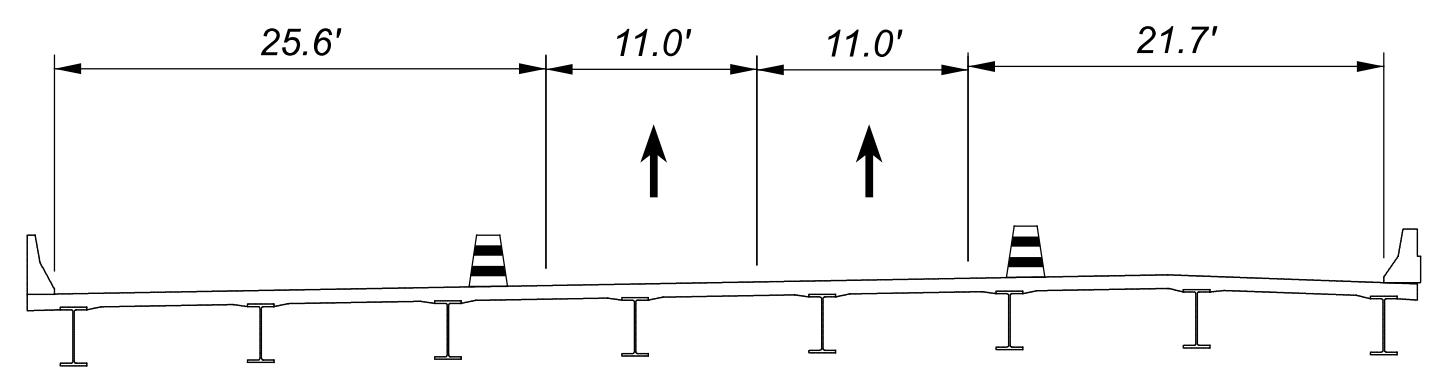
- NOTES:
- FOR MOT LEGEND, SEE SHEET P.0103.
  - ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.



- ① — STA 768+10, 36.0' RT PC
- ② — STA 770+38, 53.5' RT PRC
- ③ — STA 774+01, 76.0' RT PT
- ④ — STA 769+87, 60.0' RT PB ENDS

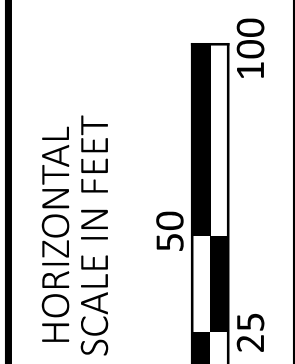
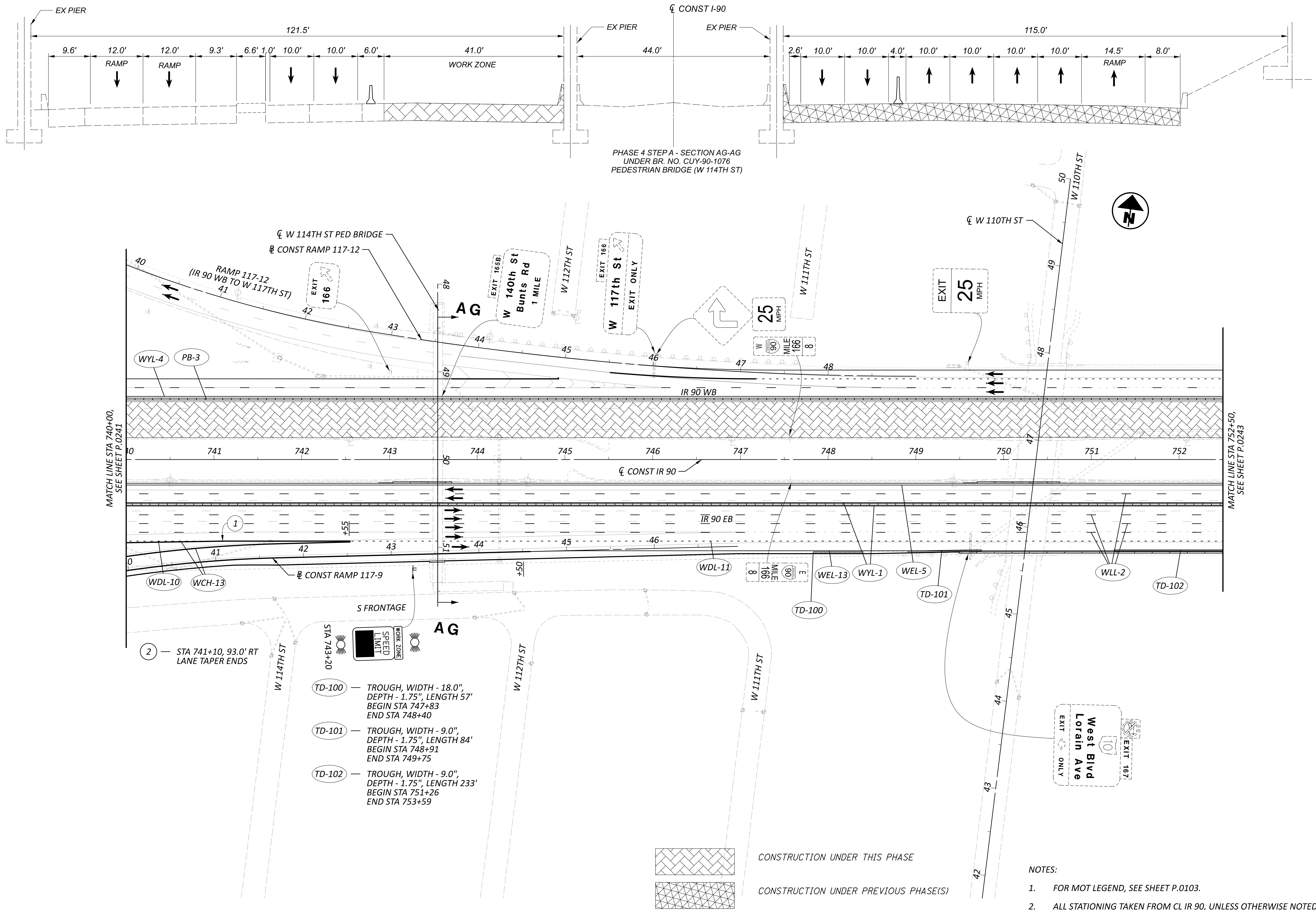


PHASE 3 STEP A - SECTION AL-AL  
BR. NO. CUY-90-1127  
OVER WEST BLVD



**MAINTENANCE OF TRAFFIC PHASE 3A, 3B**  
**STA 765+00 TO STA 777+50**

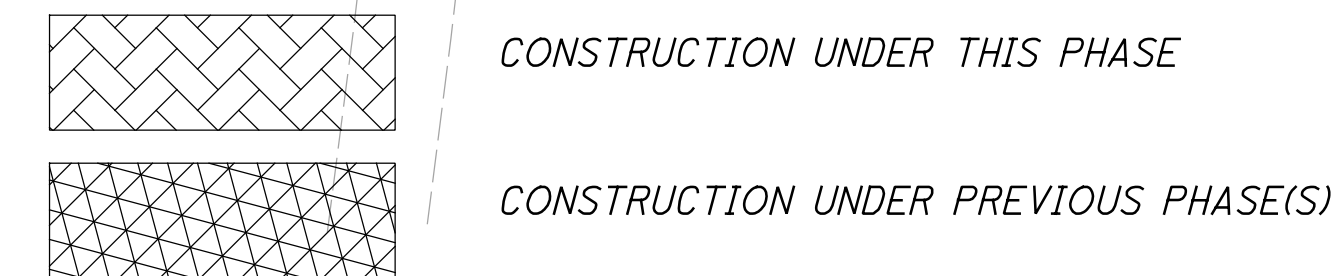
DESIGN AGENCY
DESIGNER DMS
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET TOTAL P.0199   P.1587

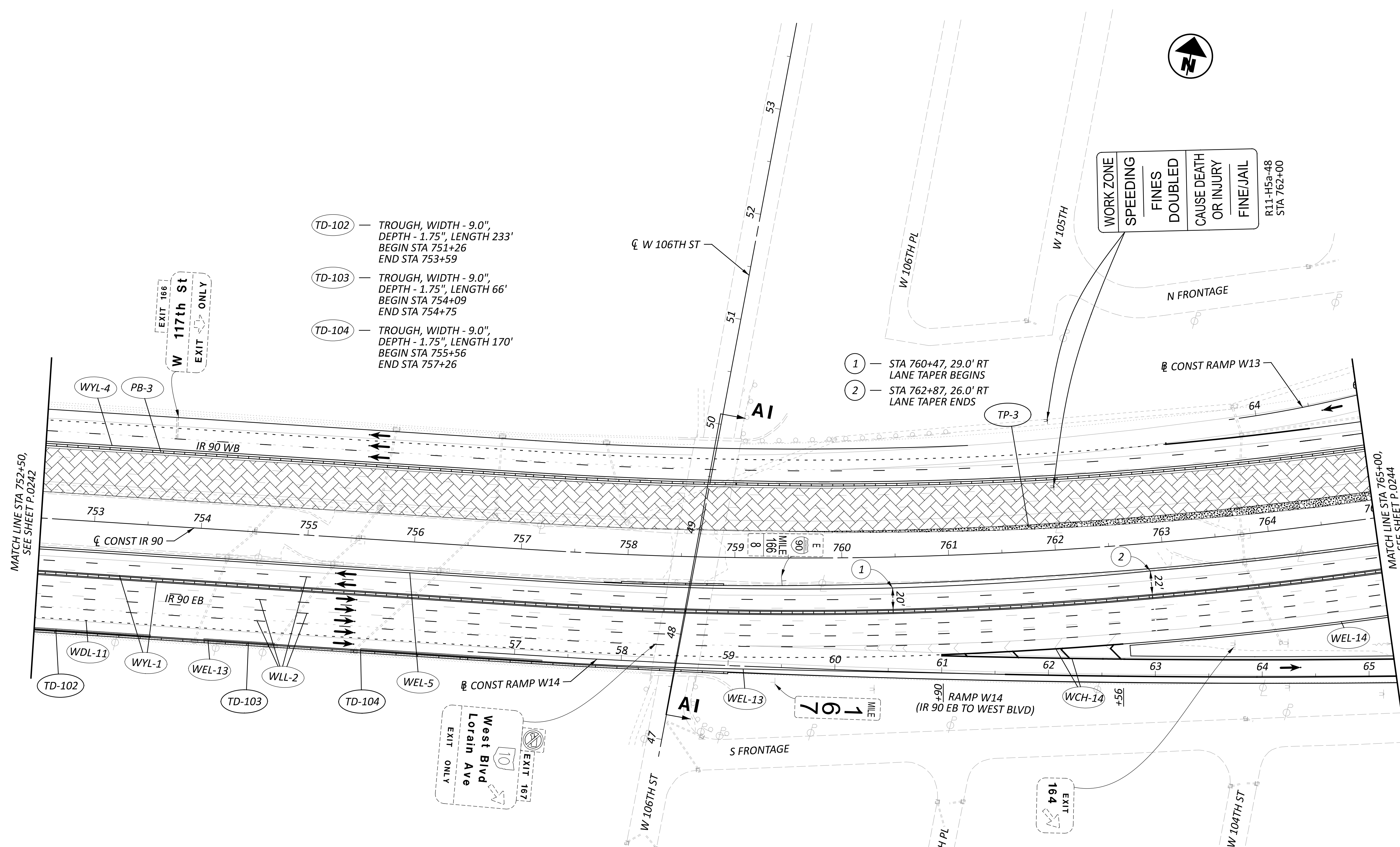


MAINTENANCE OF TRAFFIC PHASE 4A, 4B  
 STA 740+00 TO STA 752+50

DESIGN AGENCY	
STRUCTUREPOINT	
DESIGNER	CSC
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0242
TOTAL	P.1587

- NOTES:
- FOR MOT LEGEND, SEE SHEET P.0103.
  - ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

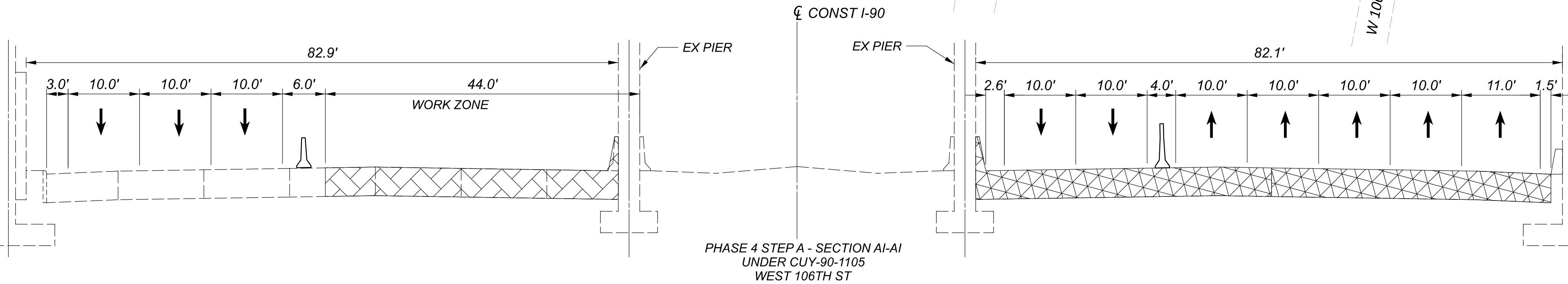




- TD-102 — TROUGH, WIDTH - 9.0",  
DEPTH - 1.75", LENGTH 233'  
BEGIN STA 751+26  
END STA 753+59
- TD-103 — TROUGH, WIDTH - 9.0",  
DEPTH - 1.75", LENGTH 66'  
BEGIN STA 754+09  
END STA 754+75
- TD-104 — TROUGH, WIDTH - 9.0",  
DEPTH - 1.75", LENGTH 170'  
BEGIN STA 755+56  
END STA 757+26

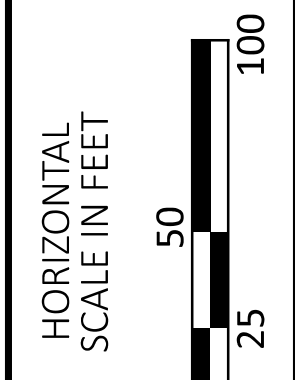
WORK ZONE	SPEEDING	FINES DOUBLED	CAUSE DEATH OR INJURY	FINE/JAIL
				R11-H5a-48 STA 762+00

- 1 — STA 760+47, 29.0' RT LANE TAPER BEGINS
- 2 — STA 762+87, 26.0' RT LANE TAPER ENDS



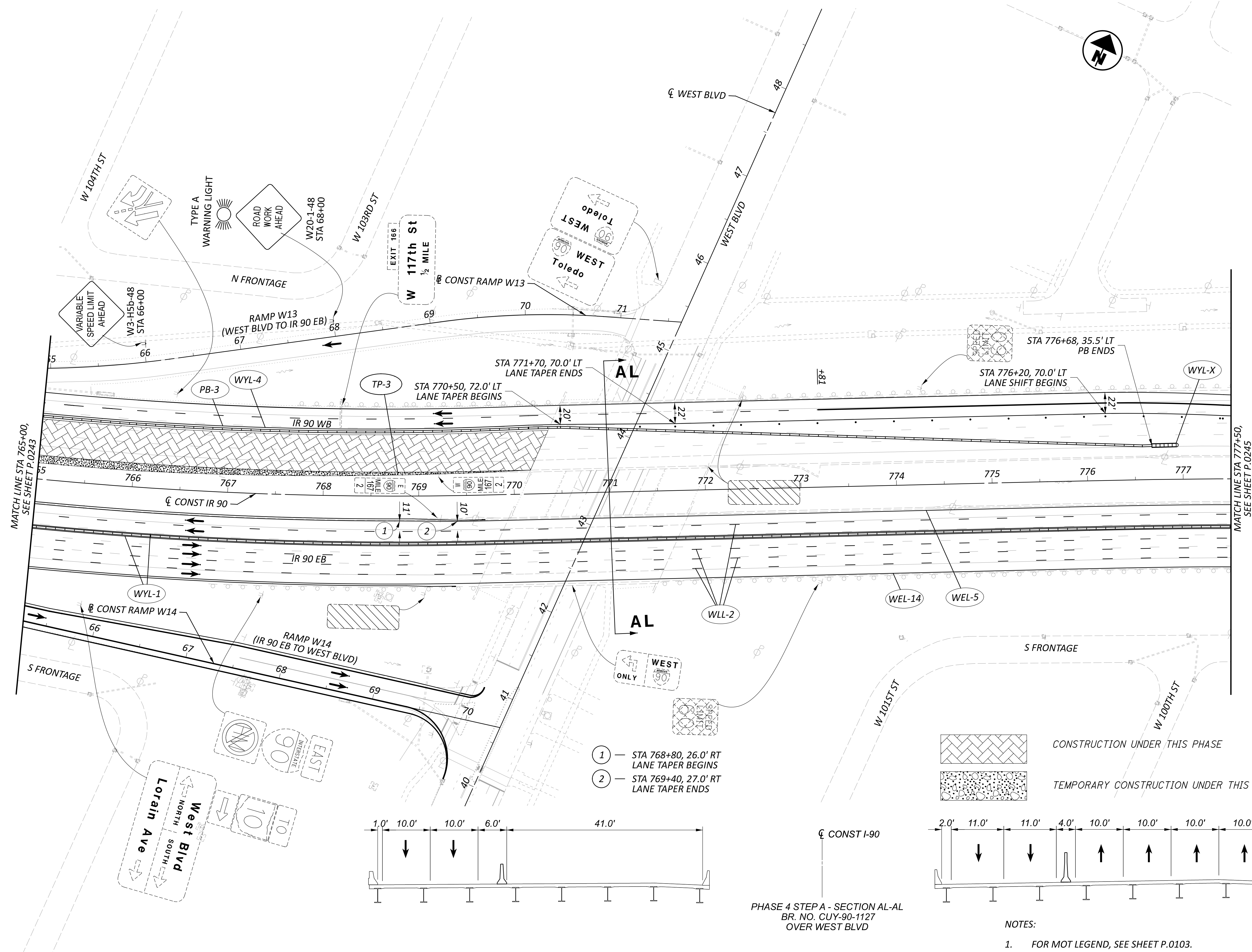
	CONSTRUCTION UNDER THIS PHASE
	CONSTRUCTION UNDER PREVIOUS PHASE(S)
	TEMPORARY CONSTRUCTION UNDER THIS PHASE

- NOTES:
- FOR MOT LEGEND, SEE SHEET P.0103.
  - ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

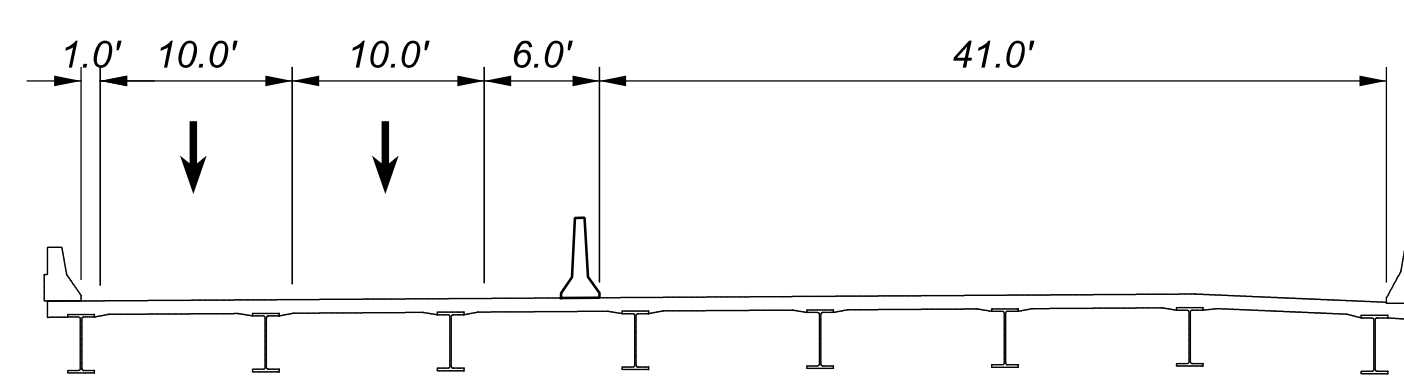


MAINTENANCE OF TRAFFIC PHASE 4A, 4B  
 STA 752+50 TO STA 765+00

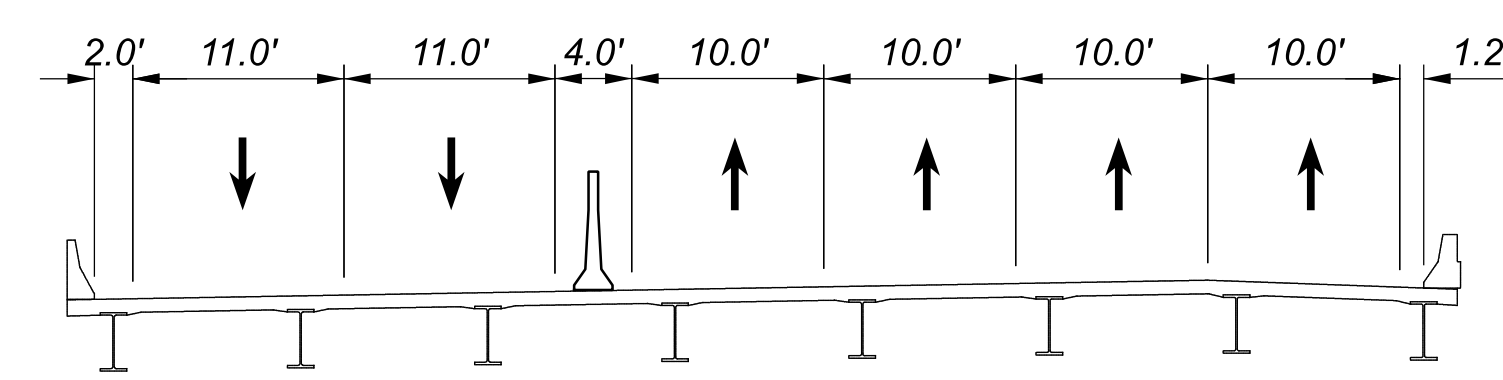
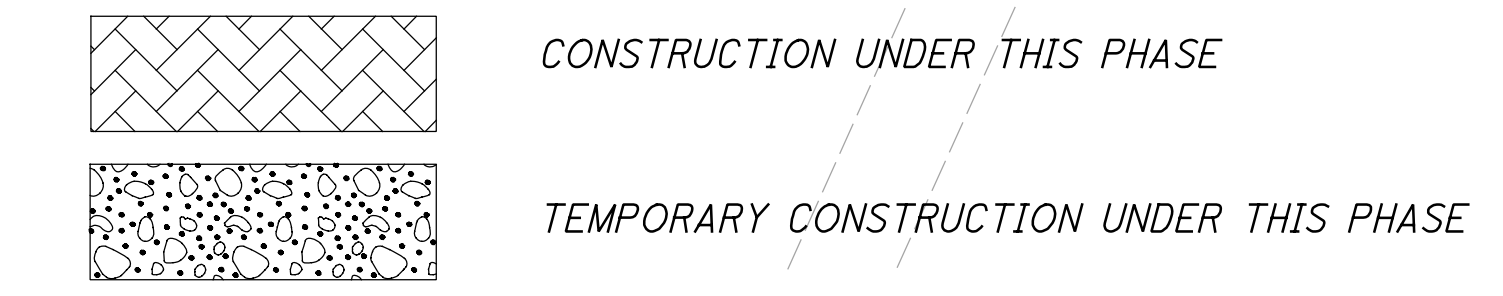
DESIGN AGENCY	AMERICAN STRUCTUREPOINT
DESIGNER	CSC
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0243
TOTAL	P.1587



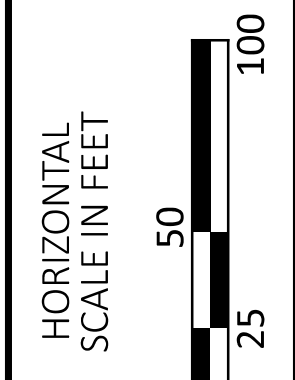
- ① — STA 768+80, 26.0' RT LANE TAPER BEGINS
- ② — STA 769+40, 27.0' RT LANE TAPER ENDS



PHASE 4 STEP A - SECTION AL-AL  
 BR. NO. CUY-90-1127  
 OVER WEST BLVD

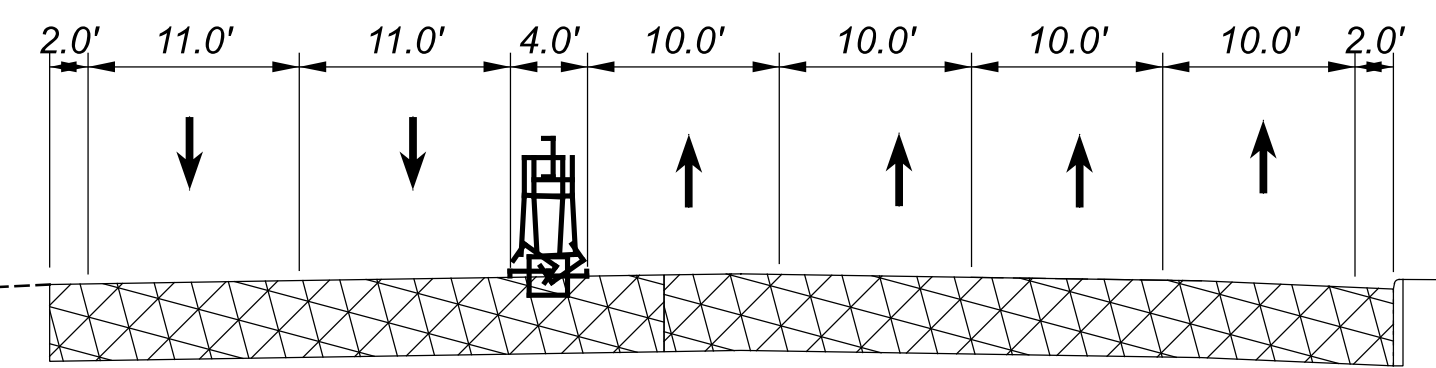
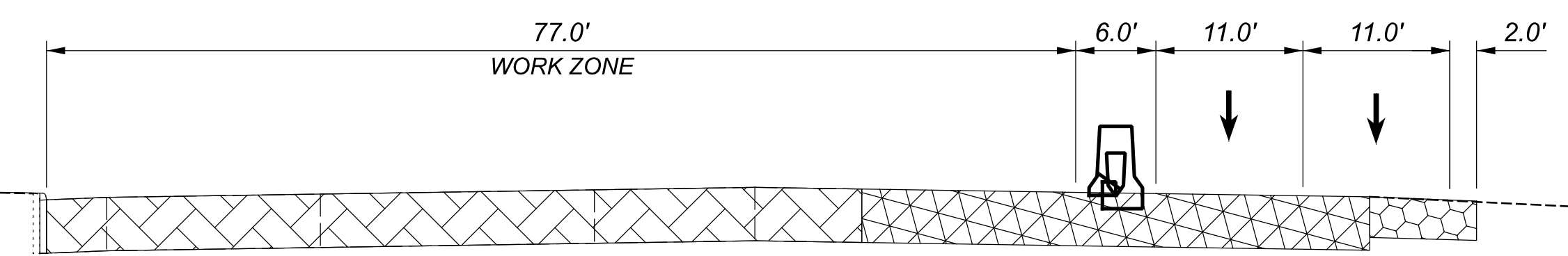
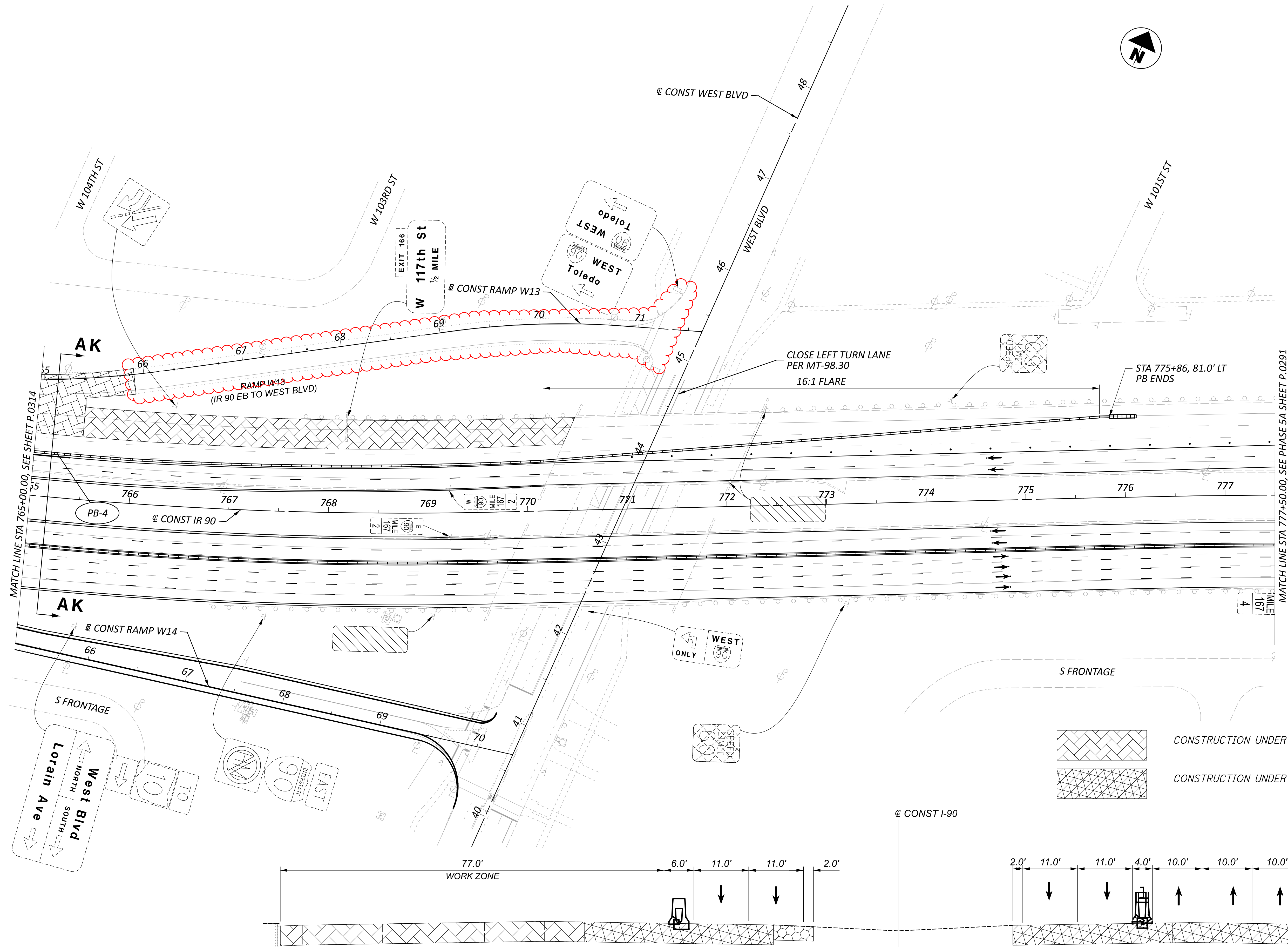


- NOTES:
- FOR MOT LEGEND, SEE SHEET P.0103.
  - ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.



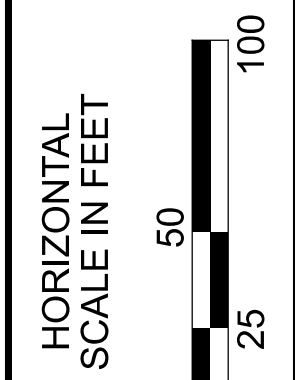
MAINTENANCE OF TRAFFIC PHASE 4A, 4B  
 STA 765+00 TO STA 777+50

DESIGN AGENCY	AMERICAN STRUCTUREPOINT
DESIGNER	CSC
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0244
TOTAL	P.1587



- NOTES:
- FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
  - ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

PHASE 5 PHASE C - SECTION AK-AK  
 STA 765+20



MAINTENANCE OF TRAFFIC PHASE 5C  
 STA 765+00 TO STA 777+50

DESIGN AGENCY	
DESIGNER	DMS
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0315
TOTAL	P.1587

SHEET NUM.											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
OFFICE CALCS	45	46	47	332	337	338	340	341	346		01/IMS/04	02/IMS/13	03/IMS/13						
	LS										LS			201	11000	LS	CLEARING AND GRUBBING		
				420,404							420,404			202	23000	420,404	SY	PAVEMENT REMOVED	
				37,701		6,343					6,343			202	30000	6,343	SF	WALK REMOVED	
				2,234							37,701			202	30700	37,701	FT	CONCRETE BARRIER REMOVED	
				54,446							2,234			202	30800	2,234	SY	TRAFFIC ISLAND REMOVED	
											54,446			202	32000	54,446	FT	CURB REMOVED	
											204			202	32800	204	SY	CONCRETE SLOPE PROTECTION REMOVED	
											9,654			202	35100	9,654	FT	PIPE REMOVED, 24" AND UNDER	
											10,617			202	35200	10,617	FT	PIPE REMOVED, OVER 24"	
											12,989			202	38000	12,989	FT	GUARDRAIL REMOVED	
											39			202	42010	39	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E	
											25			202	42040	25	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T	
											33			202	47000	33	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED	
											2			202	47800	2	EACH	IMPACT ATTENUATOR REMOVED	
											37			202	58000	37	EACH	MANHOLE REMOVED	
											101			202	58100	101	EACH	CATCH BASIN REMOVED	
											150			202	58200	150	EACH	INLET REMOVED	
											4,248			SPECIAL	20270000	4,248	FT	FILL AND PLUG EXISTING CONDUIT, 15"	P.0048
											578			SPECIAL	20270000	578	FT	FILL AND PLUG EXISTING CONDUIT, 18"	P.0048
											654			SPECIAL	20270000	654	FT	FILL AND PLUG EXISTING CONDUIT, 21"	P.0048
											804			SPECIAL	20270000	804	FT	FILL AND PLUG EXISTING CONDUIT, 24"	P.0048
											247			SPECIAL	20270000	247	FT	FILL AND PLUG EXISTING CONDUIT, 30"	P.0048
											575			SPECIAL	20270000	575	FT	FILL AND PLUG EXISTING CONDUIT, 36"	P.0048
											670			SPECIAL	20270000	670	FT	FILL AND PLUG EXISTING CONDUIT, 42"	P.0048
											773			SPECIAL	20270000	773	FT	FILL AND PLUG EXISTING CONDUIT, 48"	P.0048
											2,021			SPECIAL	20270000	2,021	FT	FILL AND PLUG EXISTING CONDUIT, 54"	P.0048
											1,806			SPECIAL	20270000	1,806	FT	FILL AND PLUG EXISTING CONDUIT, 60"	P.0048
											500			SPECIAL	20270110	645	FT	PIPE CLEANOUT, 24" AND UNDER	P.0047
											500			SPECIAL	20270120	690	FT	PIPE CLEANOUT, 27" TO 48"	P.0047
											500			SPECIAL	20270130	500	FT	PIPE CLEANOUT OVER 48"	P.0047
											41,942			202	75000	41,942	FT	FENCE REMOVED	
											LS			202	98000	LS	LS	REMOVAL MISC.: TRAFFIC MONITORING EQUIPMENT	P.1268
											252,249			203	10001	252,249	CY	EXCAVATION, AS PER PLAN	P.0049
											9,830			203	20001	9,830	CY	EMBANKMENT, AS PER PLAN	P.0049
											24			203	98600	24	EACH	ROADWAY, MISC.: TEST HOLE	P.0046
											37,166			204	13001	37,166	CY	EXCAVATION OF SUBGRADE, AS PER PLAN	P.0046
											71			204	45000	71	HOUR	PROOF ROLLING	
											5,786			206	10500	5,786	TON	CEMENT	
											221,079			206	11000	221,079	SY	CURING COAT	
											204,209			206	15010	204,209	SY	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	
											16,870			206	15020	16,870	SY	CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	
											LS			206	30000	LS	LS	MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS	
											0.25			209	15051	0.25	MILE	RESHAPING UNDER GUARDRAIL, AS PER PLAN	P.0049
											20,246			606	15051	20,246	FT	GUARDRAIL, TYPE MGS, AS PER PLAN	P.0046
											125			606	15151	125	FT	GUARDRAIL, TYPE MGS HALF POST SPACING, AS PER PLAN	P.0046
											62.5			606	15251	62.5	FT	GUARDRAIL, TYPE MGS QUARTER POST SPACING, AS PER PLAN	P.0046
											57			606	26150	57	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	
											35			606	26550	35	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
											42			606	35002	42	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
											20			606	35102	20	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	
											41,913			607	23000	41,913	FT	FENCE, TYPE CLT	
											41,913			607	70000	41,913	FT	FENCELINE SEEDING AND MULCHING	

GENERAL SUMMARY

DESIGN AGENCY  
**STRUCTUREPOINT**  
 INC.  
 DESIGNER  
 BER  
 REVIEWER  
 VDK 08/09/23  
 PROJECT ID  
 76779  
 SHEET TOTAL  
 P.0316 | P.1587



SHEET NUM.					PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
48	63	346	347		01/IMS/04	02/IMS/13	03/IMS/13						
		1,885						611	06100	1,885	FT	15" CONDUIT, TYPE C	
200		73						611	06700	273	FT	15" CONDUIT, TYPE F	
		382						611	07400	382	FT	18" CONDUIT, TYPE B	
	247							611	07401	247	FT	18" CONDUIT, TYPE B, AS PER PLAN	P.0063
		40						611	07600	40	FT	18" CONDUIT, TYPE C	
	245							611	08901	245	FT	21" CONDUIT, TYPE B, AS PER PLAN	P.0063
		232						611	10400	232	FT	24" CONDUIT, TYPE B	
	277							611	10401	277	FT	24" CONDUIT, TYPE B, AS PER PLAN	P.0063
		1,265						611	10600	1,265	FT	24" CONDUIT, TYPE C	
		527						611	13600	527	FT	30" CONDUIT, TYPE C	
		58						611	16400	58	FT	36" CONDUIT, TYPE B	
		677						611	16600	677	FT	36" CONDUIT, TYPE C	
		247						611	19400	247	FT	42" CONDUIT, TYPE B	
	15							611	19600	508	FT	42" CONDUIT, TYPE C	
		493						611	22600	2,845	FT	54" CONDUIT, TYPE C	
		2,845						611	23800	472	FT	60" CONDUIT, TYPE B	
		472						611	24000	10	FT	60" CONDUIT, TYPE C	
	10							611	96600	3,601	FT	CONDUIT, BORED OR JACKED, 15", TYPE B	
		3,601						611	96600	1,160	FT	CONDUIT, BORED OR JACKED, 18", TYPE B	
		1,160						611	96600	1,387	FT	CONDUIT, BORED OR JACKED, 24", TYPE B	
		1,387						611	96600	114	FT	CONDUIT, BORED OR JACKED, 30", TYPE B	
		114						611	96600	92	FT	CONDUIT, BORED OR JACKED, 36", TYPE B	
		92						611	96600	254	FT	CONDUIT, BORED OR JACKED, 36", TYPE C	
		254						611	96600	143	FT	CONDUIT, BORED OR JACKED, 42", TYPE B	
		143						611	96600	102	FT	CONDUIT, BORED OR JACKED, 48", TYPE B	
		102						611	96600	88	FT	CONDUIT, BORED OR JACKED, 54", TYPE B	
		88						611	96600	455	FT	CONDUIT, BORED OR JACKED, 60", TYPE B	
		455						611	96600	122	FT	CONDUIT, BORED OR JACKED, 66", TYPE B	
		122						611	96601	74	FT	CONDUIT, BORED OR JACKED, AS PER PLAN, 15", TYPE B	P.0063
	74							611	96601	15	FT	CONDUIT, BORED OR JACKED, AS PER PLAN, 18", TYPE B	P.0063
	15							611	96601	110	FT	CONDUIT, BORED OR JACKED, AS PER PLAN, 24", TYPE B	P.0063
	110							611	97400	24	FT	CONDUIT, MISC.: 12" CONDUIT, TYPE B, ROCK CUT	P.0049
		24						611	97400	26	FT	CONDUIT, MISC.: 12" CONDUIT, TYPE C, ROCK CUT	P.0049
			26					611	97400	8,520	FT	CONDUIT, MISC.: 15" CONDUIT, TYPE B, ROCK CUT	P.0049
			8,520					611	97400	1,933	FT	CONDUIT, MISC.: 15" CONDUIT, TYPE C, ROCK CUT	P.0049
			1,933					611	97400	85	FT	CONDUIT, MISC.: 15" CONDUIT, TYPE F, ROCK CUT	P.0049
			85					611	97400	1,739	FT	CONDUIT, MISC.: 18" CONDUIT, TYPE B, ROCK CUT	P.0049
			1,739					611	97400	1,019	FT	CONDUIT, MISC.: 18" CONDUIT, TYPE C, ROCK CUT	P.0049
			1,019					611	97400	501	FT	CONDUIT, MISC.: 24" CONDUIT, TYPE B, ROCK CUT	P.0049
			501					611	97400	469	FT	CONDUIT, MISC.: 24" CONDUIT, TYPE C, ROCK CUT	P.0049
			469					611	97400	76	FT	CONDUIT, MISC.: 27" CONDUIT, TYPE C, ROCK CUT	P.0049
			76					611	97400	6	FT	CONDUIT, MISC.: 30" CONDUIT, TYPE B, ROCK CUT	P.0049
			6					611	97400	1,394	FT	CONDUIT, MISC.: 30" CONDUIT, TYPE C, ROCK CUT	P.0049
			1,394					611	97400	248	FT	CONDUIT, MISC.: 36" CONDUIT, TYPE B, ROCK CUT	P.0049
			248					611	97400	332	FT	CONDUIT, MISC.: 36" CONDUIT, TYPE C, ROCK CUT	P.0049
			332					611	97400	262	FT	CONDUIT, MISC.: 42" CONDUIT, TYPE B, ROCK CUT	P.0049
			262					611	97400	1,180	FT	CONDUIT, MISC.: 42" CONDUIT, TYPE C, ROCK CUT	P.0049
			1,180					611	97400	2,467	FT	CONDUIT, MISC.: 48" CONDUIT, TYPE B, ROCK CUT	P.0049
			2,467					611	97400	368	FT	CONDUIT, MISC.: 54" CONDUIT, TYPE B, ROCK CUT	P.0049
			368					611	97400	608	FT	CONDUIT, MISC.: 54" CONDUIT, TYPE C, ROCK CUT	P.0049
			608					611	97400	555	FT	CONDUIT, MISC.: 60" CONDUIT, TYPE B, ROCK CUT	P.0049
			555					611	97400	2,085	FT	CONDUIT, MISC.: 66" CONDUIT, TYPE B, ROCK CUT	P.0049
			2,085					611	97400	182	FT	CONDUIT, MISC.: 66" CONDUIT, TYPE C, ROCK CUT	P.0049
			182					611	98150	38	EACH	CATCH BASIN, NO. 3	
			38					611	98151	1	EACH	CATCH BASIN, NO. 3, AS PER PLAN	P.0048
			1					611	98180	15	EACH	CATCH BASIN, NO. 3A	
			15					611	98300	63	EACH	CATCH BASIN, NO. 5	
			63					611	98301	1	EACH	CATCH BASIN, NO. 5, AS PER PLAN	P.0048
			1					611	98301	1	EACH	CATCH BASIN, NO. 5, AS PER PLAN (2)	P.0063
			1					611	98370	7	EACH	CATCH BASIN, NO. 6	
			7					611	98371	1	EACH	CATCH BASIN, NO. 6, AS PER PLAN	P.0063
			1					611	98510	1	EACH	CATCH BASIN, NO. 2-3	
			1					611	98690	1	EACH	CATCH BASIN, MISC.: CITY OF CLEVELAND CB-1 CATCH BASIN	P.0048
			1					611	98800	15	EACH	INLET, NO. 3B	
			15					611	98810	7	EACH	INLET, NO. 3C	
			7					611	98820	7	EACH	INLET, NO. 3D	
			7										

GENERAL SUMMARY

DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET TOTAL	P.0318   P.1587

SHEET NUM.								PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
1397	1402	1407	1411					01/IMS/04	02/IMS/13	03/IMS/13						
<b>STRUCTURE OVER 20 FOOT SPAN (CUY-00090-08.490)</b>																
94								94			202	32800	94	SY	CONCRETE SLOPE PROTECTION REMOVED	
28								28			512	10100	28	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
30								30			512	10600	30	FT	CONCRETE REPAIR BY EPOXY INJECTION	
32								32			SPECIAL	51271500	32	SY	URETHANE TOP COAT SEALER	P.1349
15								15			516	46701	15	EACH	RESET BEARING, AS PER PLAN	P.1349
LS								LS			516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	P.1349
285								285			SPECIAL	51900100	285	SF	COMPOSITE FIBER WRAP SYSTEM	P.1350
338								338			519	11101	338	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	P.1350
94								94			601	21000	94	SY	CONCRETE SLOPE PROTECTION	
<b>STRUCTURE OVER 20 FOOT SPAN (CUY-00090-08.920)</b>																
	31							31			512	10100	31	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
	10							10			513	21001	10	EACH	TRIMMING OF BEAM END, AS PER PLAN	P.1349
	LS							LS			518	63300	LS		STRUCTURE DRAINAGE, MISC.: CLEAN OUT EXISTING SCUPPERS	P.1350
	276							276			519	11101	276	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	P.1350
<b>STRUCTURE OVER 20 FOOT SPAN (CUY-00090-09.090)</b>																
		6						6			503	21100	6	CY	UNCLASSIFIED EXCAVATION	
		47						47			512	10100	47	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
		9						9			512	10600	9	FT	CONCRETE REPAIR BY EPOXY INJECTION	
		77						77			SPECIAL	51271500	77	SY	URETHANE TOP COAT SEALER	P.1349
		LS						LS			518	63300	LS		STRUCTURE DRAINAGE, MISC.: REPLACE PORTION OF DRAINAGE SYSTEM	P.1349
		LS						LS			518	63300	LS		STRUCTURE DRAINAGE, MISC.: CLEAN OUT EXISTING SCUPPERS	P.1350
		685						685			SPECIAL	51900100	685	SF	COMPOSITE FIBER WRAP SYSTEM	P.1350
		440						440			519	11101	440	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	P.1350
<b>STRUCTURE OVER 20 FOOT SPAN (CUY-00090-09.470 L)</b>																
			LS					LS			202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	P.1348
			267					267			202	22900	267	SY	APPROACH SLAB REMOVED	
			73,112					73,112			509	10000	73,112	LB	EPOXY COATED STEEL REINFORCEMENT	
			5,983					5,983			509	30020	5,983	FT	NO. 4 DEFORMED GFRP REINFORCEMENT	
			249					249			510	10000	249	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
			156					156			511	34412	156	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE	
			63					63			511	34450	63	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
			1,524					1,524			512	10050	1,524	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
			414					414			512	10100	414	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
			165					165			512	10300	165	SY	SEALING CONCRETE BRIDGE DECKS WITH HMW RESIN	
			143					143			516	10010	143	FT	ARMORLESS PREFORMED JOINT SEAL	
			49					49			519	11101	49	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	P.1412
			390					390			526	25010	390	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")	
			143					143			526	90030	143	FT	TYPE C INSTALLATION	
			310					310			607	39900	310	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC	
			1,134					1,134			848	10201	1,134	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION, AS PER PLAN, 3 3/4" INCH THICK	P.1350
			1,134					1,134			848	20000	1,134	SY	SURFACE PREPARATION USING HYDRODEMOLITION	
			3					3			848	30200	3	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	
			5					5			848	50000	5	SY	HAND CHIPPING	
			LS					LS			848	50100	LS		TEST SLAB	
			1,134					1,134			848	50320	1,134	SY	EXISTING CONCRETE OVERLAY REMOVED, 3 1/2" NOMINAL THICKNESS	
			50					50			848	50340	50	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY	

GENERAL SUMMARY

DESIGN AGENCY  
**AMERICAN STRUCTUREPOINT INC.**

DESIGNER  
BER

REVIEWER  
VDK 08/09/23

PROJECT ID  
76779

SHEET TOTAL  
P.0324 P.1587

SHEET NUM.				PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
1351	1411	1432	1457	01/IMS/04	02/IMS/13	03/IMS/13						
										<b>STRUCTURE OVER 20 FOOT SPAN (CUY-00090-09.470 R)</b>		
	LS				LS		202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	P.1348
	267				267		202	22900	267	SY	APPROACH SLAB REMOVED	
	75,898				75,898		509	10000	75,898	LB	EPOXY COATED STEEL REINFORCEMENT	
	5,951				5,951		509	30020	5,951	FT	NO. 4 DEFORMED GFRP REINFORCEMENT	
	260				260		510	10000	260	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
	155				155		511	34412	155	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE	
	62				62		511	34450	62	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
	1,636				1,636		512	10050	1,636	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
	413				413		512	10100	413	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
	164				164		512	10300	164	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	
	151				151		516	10010	151	FT	ARMORLESS PREFORMED JOINT SEAL	
	407				407		526	25010	407	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")	
	151				151		526	90030	151	FT	TYPE C INSTALLATION	
	310				310		607	39900	310	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC	
	1,227				1,227		848	10201	1,227	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION, AS PER PLAN, 2 3/4" INCH THICK	P.1350
	1,227				1,227		848	20000	1,227	SY	SURFACE PREPARATION USING HYDRODEMOLITION	
	17				17		848	30200	17	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	
	30				30		848	50000	30	SY	HAND CHIPPING	
	LS				LS		848	50100	LS		TEST SLAB	
	1,227				1,227		848	50320	1,227	SY	EXISTING CONCRETE OVERLAY REMOVED, 2 1/2" NOMINAL THICKNESS	
	50				50		848	50340	50	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY	
											<b>STRUCTURE OVER 20 FOOT SPAN (CUY-00090-09.700 L)</b>	
	LS				LS		202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	P.1348
	553				553		202	22900	553	SY	APPROACH SLAB REMOVED	
	69,815				69,815		509	10000	69,815	LB	EPOXY COATED STEEL REINFORCEMENT	
	21,474				21,474		509	30020	21,474	FT	NO. 4 DEFORMED GFRP REINFORCEMENT	
	106				106		510	10000	106	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
	113				113		511	34412	113	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE	
	220				220		511	34450	220	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
	6,199				6,199		512	10050	6,199	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
	1,481				1,481		512	10100	1,481	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
	397				397		512	10300	397	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	
	7,992				7,992		513	21501	7,992	LB	REPLACEMENT OF DETERIORATED END CROSSFRAMES, AS PER PLAN	P.1349
	1,160				1,160		514	00060	1,160	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT	
	1,160				1,160		514	00066	1,160	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT	
	LS				LS		514	27800	LS		FIELD PAINTING, MISC.: COATING SYSTEM REPAIR	
	155				155		516	11210	155	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL	
	LS				LS		518	63300	LS		STRUCTURE DRAINAGE, MISC.: CLEAN EXISTING SCUPPERS	
	226				226		526	25010	226	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")	
	232				232		526	30010	232	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")	
	176				176		526	90010	176	FT	TYPE A INSTALLATION	
LS					LS		SPECIAL	53000200	LS		STRUCTURES, TEMPORARY FALSEWORK AND PROTECTIVE STRUCTURE	P.1351
	1,290				1,290		607	39900	1,290	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC	
	5,740				5,740		848	10201	5,740	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION, AS PER PLAN 3 3/4" INCH THICK	P.1350
	5,740				5,740		848	20000	5,740	SY	SURFACE PREPARATION USING HYDRODEMOLITION	
	1				1		848	50000	1	SY	HAND CHIPPING	
	LS				LS		848	50100	LS		TEST SLAB	
	5,740				5,740		848	50320	5,740	SY	EXISTING CONCRETE OVERLAY REMOVED, 3 1/2" NOMINAL THICKNESS	
	50				50		848	50340	50	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY	

GENERAL SUMMARY

DESIGN AGENCY  
**AMERICAN STRUCTUREPOINT**  
 INC.

DESIGNER  
 BER

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

SHEET TOTAL  
 P.0325 | P.1587

CUY-90-6.69

MODEL: Sheet 11 PAPER: 34x22 (in.) DATE: 5/3/2024 TIME: 4:48:30 AM USER: brieder  
 p:\structurepoint-pw\benley.com\structurepoint-pw-01\Documents\Projects\20200062\76779\400-Engineering\Roadway\Sheets\76779\_G001.dgn

SHEET NUM.							PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
1351	1432	1457				01/IMS/04	02/IMS/13	03/IMS/13							
<b>STRUCTURE OVER 20 FOOT SPAN (CUY-00090-09.700 R)</b>															
	LS						LS		202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	P.1348	
	593						593		202	22900	593	SY	APPROACH SLAB REMOVED		
	69,229						69,229		509	10000	69,229	LB	EPOXY COATED STEEL REINFORCEMENT		
	21,788						21,788		509	30020	21,788	FT	NO. 4 DEFORMED GFRP REINFORCEMENT		
	106						106		510	10000	106	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT		
	114						114		511	34412	114	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE		
	224						224		511	34450	224	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)		
	6,710						6,710		512	10050	6,710	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)		
	1,500						1,500		512	10100	1,500	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)		
	397						397		512	10300	397	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN		
	<b>9,058</b>						<b>9,058</b>		<b>513</b>	<b>21501</b>	<b>9,058</b>	<b>LB</b>	<b>REPLACEMENT OF DETERIORATED END CROSSFRAMES, AS PER PLAN</b>	<b>P.1349</b>	
	1,314						1,314		514	00060	1,314	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT		
	1,314						1,314		514	00066	1,314	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT		
	LS						LS		514	27800	LS		FIELD PAINTING, MISC.; COATING SYSTEM REPAIR		
	168						168		516	11210	168	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL		
	LS						LS		518	63300	LS		STRUCTURE DRAINAGE, MISC.: CLEAN EXISTING SCUPPERS		
	250						250		526	25010	250	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")		
	250						250		526	30010	250	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")		
	147						147		526	90010	147	FT	TYPE A INSTALLATION		
LS							LS		SPECIAL	53000200	LS		STRUCTURES, TEMPORARY FALSEWORK AND PROTECTIVE STRUCTURE	P.1351	
	1,290						1,290		607	39900	1,290	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC		
	6,209						6,209		848	10201	6,209	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION, AS PER PLAN 3 3/4" INCH THICK	P.1350	
	6,209						6,209		848	20000	6,209	SY	SURFACE PREPARATION USING HYDRODEMOLITION		
	7						7		848	30200	7	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY		
	12						12		848	50000	12	SY	HAND CHIPPING		
	LS						LS		848	50100	LS		TEST SLAB		
	6,209						6,209		848	50320	6,209	SY	EXISTING CONCRETE OVERLAY REMOVED, 3 1/2" NOMINAL THICKNESS		
	50						50		848	50340	50	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY		
<b>STRUCTURE OVER 20 FOOT SPAN (CUY-00090-09.910 L)</b>															
	LS						LS		202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	P.1348	
	479						479		202	22900	479	SY	APPROACH SLAB REMOVED		
	LS						LS		503	<b>11101</b>	LS		<b>COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN</b>	<b>P.1458</b>	
	32,504						32,504		509	10000	32,504	LB	EPOXY COATED STEEL REINFORCEMENT		
	4,493						4,493		509	30020	4,493	FT	NO. 4 DEFORMED GFRP REINFORCEMENT		
	126						126		510	10000	126	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT		
	2						2		511	33500	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE		
	176						176		511	34412	176	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE		
	34						34		511	34450	34	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)		
	1						1		511	45712	1	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT		
	1,020						1,020		512	10050	1,020	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)		
	755						755		512	10100	755	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)		
	61						61		512	10300	61	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN		
	491						491		512	74001	491	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES, AS PER PLAN	P.1348	
	43						43		516	13600	43	SF	1" PREFORMED EXPANSION JOINT FILLER		
	124						124		516	13900	124	SF	2" PREFORMED EXPANSION JOINT FILLER		
	11						11		516	14600	11	FT	STRUCTURAL JOINT OR JOINT SEALER, MISC.: COMPRESSED FOAM JOINT SEAL		
	522						522		516	25000	522	SF	NYLON REINFORCED NEOPRENE SHEETING		
	16						16		516	44200	16	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 3.023" THICK		

GENERAL SUMMARY

DESIGN AGENCY	
<b>STRUCTUREPOINT</b> <small>AMERICAN</small>	
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0326
TOTAL	P.1587

SHEET NUM.								PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
								01/IMS/04	02/IMS/13	03/IMS/13						
1457																
<b>STRUCTURE OVER 20 FOOT SPAN (CUY-00090-09.910 L) CONT.</b>																
LS								LS			516	47000	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE	
87								87			518	21200	87	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
143								143			518	40000	143	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
147								147			518	40010	147	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	
352								352			519	11101	352	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	P.1350
483								483			526	30010	483	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")	
144								144			526	90010	144	FT	TYPE A INSTALLATION	
150								150			607	39900	150	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC	
665								665			848	10201	665	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION, AS PER PLAN 3 3/4" INCH THICK	P.1350
665								665			848	20000	665	SY	SURFACE PREPARATION USING HYDRODEMOLITION	
3								3			848	30200	3	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	
5								5			848	50000	5	SY	HAND CHIPPING	
LS								LS			848	50100	LS		TEST SLAB	
665								665			848	50320	665	SY	EXISTING CONCRETE OVERLAY REMOVED, 3 1/2" NOMINAL THICKNESS	
42								42			848	50340	42	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY	
<b>STRUCTURE OVER 20 FOOT SPAN (CUY-00090-09.910 R)</b>																
LS								LS			202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	P.1348
478								478			202	22900	478	SY	APPROACH SLAB REMOVED	
LS								LS			503	11101	LS		COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN	P.1458
31,916								31,916			509	10000	31,916	LB	EPOXY COATED STEEL REINFORCEMENT	
3,986								3,986			509	30020	3,986	FT	NO. 4 DEFORMED GFRP REINFORCEMENT	
148								148			510	10000	148	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
2								2			511	33500	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE	
171								171			511	34412	171	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE	
33								33			511	34450	33	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
2								2			511	45712	2	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT	
1,019								1,019			512	10050	1,019	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
1,001								1,001			512	10100	1,001	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
61								61			512	10300	61	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	
490								490			512	74001	490	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES, AS PER PLAN	P.1348
85								85			516	13600	85	SF	1" PREFORMED EXPANSION JOINT FILLER	
124								124			516	13900	124	SF	2" PREFORMED EXPANSION JOINT FILLER	
22								22			516	14600	22	FT	STRUCTURAL JOINT OR JOINT SEALER, MISC.: COMPRESSED FOAM JOINT SEAL	
521								521			516	25000	521	SF	NYLON REINFORCED NEOPRENE SHEETING	
16								16			516	44200	16	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 3.023" THICK	
LS								LS			516	47000	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE	
87								87			518	21200	87	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
142								142			518	40000	142	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
146								146			518	40010	146	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	
598								598			519	11101	598	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	P.1350
474								474			526	30010	474	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")	
142								142			526	90010	142	FT	TYPE A INSTALLATION	
150								150			607	39900	150	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC	

GENERAL SUMMARY

DESIGN AGENCY  
**AMERICAN STRUCTUREPOINT INC.**

DESIGNER  
**BER**

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

SHEET TOTAL  
 P.0327 | P.1587

SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	202	202	202	202	202	202	202	202	202	202							
			PAVEMENT REMOVED	CONCRETE BARRIER REMOVED		TRAFFIC ISLAND REMOVED	CURB REMOVED	CONCRETE SLOPE PROTECTION REMOVED	GUARDRAIL REMOVED	ANCHOR ASSEMBLY REMOVED, TYPE E	ANCHOR ASSEMBLY REMOVED, TYPE T	BRIDGE TERMINAL ASSEMBLY REMOVED	IMPACT ATTENUATOR REMOVED	SY	FT	SY	FT	SY	FT	EACH	EACH	EACH
			FROM	TO																		
407	R-71	IR 90 WB	671+07.53	672+14.79	LT		108.00															
407	R-72	IR 90 EB	64+65.18	72+18.39	RT				754.00													
407	R-73	IR 90 WB	667+43.90	672+02.40	LT					450.00			1.00	1.00								
407	R-74	IR 90 WB	668+07.85	672+02.40	LT				395.00													
407	R-75	IR 90 EB	69+53.42	72+18.39	RT					187.50	1.00		1.00									
407	R-76	IR 90 WB	673+94.42	677+31.66	LT				338.00													
407	R-77	IR 90 WB	673+94.42	678+71.30	LT					400.00	1.00		1.00									
407	R-78	IR 90 WB	674+11.00	684+62.55	LT		1052.00															
407	R-79	IR 90 EB	674+25.06	674+73.00	RT		48.00															
407	R-80	IR 90 EB	674+75.81	684+59.38	RT		984.00															
407	R-81	IR 90 EB	74+16.36	75+90.51	RT					162.50		1.00										
407	R-82	IR 90 EB	74+16.36	76+98.91	RT				283.00													
407	R-83	IR 90 EB	677+29.25	680+92.71	RT				364.00													
409	R-84	IR 90 EB	680+92.71	682+81.87	RT			123.00														
409	R-85	IR 90 WB	681+79.22	684+46.32	LT				268.00													
409	R-86	IR 90 EB	682+82.94	684+33.33	RT				151.00													
411	R-87	IR 90 EB	691+16.39	694+51.82	RT		336.00															
411	R-88	IR 90 WB	691+19.12	695+29.97	LT		411.00															
411	R-89	IR 90 EB	694+57.49	695+36.49	RT		79.00															
411	R-90	IR 90 WB	696+20.08	699+21.12	LT		302.00															
411	R-91	IR 90 EB	696+26.20	698+86.96	RT		261.00															
411	R-92	IR 90 EB	698+92.15	729+55.09	RT		3063.00															
411	R-93	IR 90 WB	699+25.92	729+62.59	LT		3037.00															
413	R-94	IR 90 EB	700+23.35	723+97.14	RT				2374.00	848.00												
413	R-95	IR 90 EB	700+60.31	707+80.80	RT					662.50	1.00	1.00										
413	R-96	IR 90 WB	703+47.87	704+54.54	LT		107.00															
413	R-97	IR 90 WB	704+54.54	726+74.24	LT				2220.00													
413	R-98	IR 90 WB	704+54.54	705+80.68	LT					50.00	1.00		1.00									
413	R-99	IR 90 WB	711+72.13	713+12.71	LT					75.00	1.00	1.00										
417	R-100	IR 90 EB	724+01.23	724+25.18	RT			20.00														
417	R-101	IR 90 EB	724+25.18	730+50.08	RT				625.00													
417	R-102	IR 90 WB	726+77.79	735+42.09	LT				865.00													
417	R-103	IR 90 EB	729+60.09	745+03.39	RT		1544.00															
417	R-104	IR 90 WB	729+66.71	745+45.62	LT		1579.00															
417	R-105	IR 90 EB	731+12.33	732+77.92	RT					87.50	1.00	1.00										
417	R-106	IR 90 WB	734+15.18	735+80.23	LT					87.50	1.00	1.00										
417	R-107	IR 90 EB	735+83.72	739+89.80	RT				407.00													
419	R-108	IR 90 WB	736+04.10	743+31.26	LT				728.00													
419	R-109	IR 90 EB	739+93.84	762+67.82	RT				2274.00													
419	R-110	IR 90 EB	743+45.60	743+63.04	RT					16.00												
419	R-111	IR 90 WB	743+31.26	743+71.31	LT			32.00														
419	R-112	IR 90 WB	743+71.31	747+73.34	LT					325.00	1.00		1.00									
419	R-113	IR 90 WB	743+77.40	765+44.24	LT				2167.00													
419	R-114	IR 90 EB	745+08.65	754+76.18	RT		968.00															
419	R-115	IR 90 WB	745+50.45	755+18.44	LT		968.00															
421	R-116	IR 90 EB	748+72.42	750+00.49	RT					50.00	1.00		1.00									
421	R-117	IR 90 EB	754+78.58	763+05.95	RT		828.00															
421	R-118	IR 90 WB	755+23.79	763+52.84	LT		830.00															
421	R-119	IR 90 WB	759+04.08	761+09.79	LT					125.00	1.00		1.00									
423	R-120	IR 90 EB	763+09.29	768+85.00	RT		576.00															
TOTALS CARRIED TO SHEET 332							17,081.00	175.00	14,213.00	16.00	3,510.50	10.00	6.00	7.00								

REMOVAL ESTIMATED QUANTITIES

DESIGN AGENCY  
**AMERICAN STRUCTUREPOINT**  
 INC.

DESIGNER  
 BER

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

SHEET TOTAL  
 P.0330 P.1587

SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	202	202	202	202	202	202	202	202	202	202										
			FROM	TO		PAVEMENT REMOVED	CONCRETE BARRIER REMOVED	TRAFFIC ISLAND REMOVED	CURB REMOVED	CONCRETE SLOPE PROTECTION REMOVED	GUARDRAIL REMOVED	ANCHOR ASSEMBLY REMOVED, TYPE E	ANCHOR ASSEMBLY REMOVED, TYPE T	BRIDGE TERMINAL ASSEMBLY REMOVED	IMPACT ATTENUATOR REMOVED										
						SY	FT	SY	FT	SY	FT	SY	FT	EACH	EACH	EACH	EACH								
448	R-171	RAMP 140-4	74+29.17	74+55.28	RT			40.00																	
448	R-172	RAMP 140-4	74+21.52	81+02.83	LT				690.00																
448	R-173	RAMP 140-4	74+46.27	75+06.84	RT				100.00																
448	R-174	RAMP 140-4	75+90.66	84+21.62	RT					762.50	1.00		1.00												
452	R-175	RAMP 117-5	27+06.36	35+38.38	LT				833.00																
453	R-176	RAMP 117-5	33+01.30	33+94.36	RT				94.00																
454	R-177	RAMP 117-7	22+90.62	24+84.55	RT				194.00																
454	R-178	RAMP 117-7	23+83.90	24+35.44	LT				95.00																
454	R-179	RAMP 117-7	24+02.02	25+34.71	LT			650.00																	
456	R-180	RAMP 117-8	23+99.06	33+64.25	RT				990.00																
456	R-181	RAMP 117-8	24+21.97	24+64.99	LT				44.00																
457	R-182	RAMP 117-8	30+06.11	31+46.24	RT					87.50	1.00	1.00													
459	R-183	RAMP 117-9	30+57.77	39+90.64	RT				930.00																
459	R-184	RAMP 117-9	31+65.86	32+64.74	LT				117.00																
461	R-185	RAMP 117-11	38+42.89	38+96.08	RT				54.00																
461	R-186	RAMP 117-11	38+96.08	41+53.89	RT			450.00																	
462	R-187	RAMP 117-11	41+53.89	42+52.48	RT				99.00																
463	R-188	RAMP 117-12	33+65.55	33+69.46	RT				70.00																
463	R-189	RAMP 117-12	33+66.17	34+39.64	LT				102.00																
463	R-190	RAMP 117-12	34+39.64	36+62.72	LT		224.00																		
463	R-191	RAMP 117-12	36+62.72	43+46.99	LT				685.00																
463	R-192	RAMP 117-12	36+62.72	38+76.36	LT					137.50	1.00		1.00												
463	R-193	RAMP 117-12	36+75.86	37+71.06	RT				96.00																
465	R-194	RAMP 117-12	43+46.99	43+70.97	LT		24.00																		
466	R-195	RAMP W13	65+40.82	71+43.31	LT				617.00																
466	R-196	RAMP W13	65+40.82	71+16.63	RT				582.00																
468	R-197	RAMP W14	62+84.52	69+90.30	RT				745.00																
469	R-198	RAMP W14	69+89.19	70+13.43	LT				29.00																
405	R-199	IR 90 EB	62+88.40	64+64.18	RT			122.00																	
425	R-200	RAMP HA	32+98.33	33+08.08	LT			8.00																	
385	R-201	IR 90	334+50.00	337+85.00	CL			335.00																	
8	R-202	IR 90	807+50.00	819+50.00	RT			1200.00																	
8	R-203	IR 90	808+05.00	819+50.00	LT			1145.00																	
423	R-204	RAMP W14	69+63.48	70+05.76	LT/RT	54.00			178.00																
TOTALS THIS SHEET						54.00	2928.00	1,270.00	7,344.00		987.50	3.00	1.00	2.00											
TOTALS CARRIED FROM SHEET 328						419,957.00	11,099.00	89.00	8,171.00		1,565.50	6.00	3.00	9.00											
TOTALS CARRIED FROM SHEET 329						393.00	6,065.00	227.00	14,064.00	188.00	1,950.00	12.00	6.00	10.00	2.00										
TOTALS CARRIED FROM SHEET 330							17,081.00	175.00	14,213.00	16.00	3,510.50	10.00	6.00	7.00											
TOTALS CARRIED FROM SHEET 331							528.00	473.00	10,654.00		4,975.00	8.00	9.00	5.00											
TOTALS CARRIED TO GENERAL SUMMARY						420,404	37,701	2,234	54,446	204	12,989	39	25	33	2										

REMOVAL ESTIMATED QUANTITIES

DESIGN AGENCY  
**AMERICAN STRUCTUREPOINT**  
 INC.

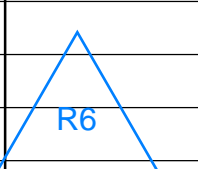
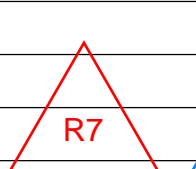
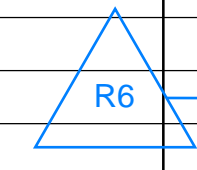
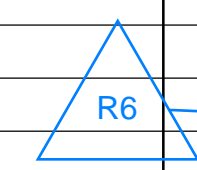
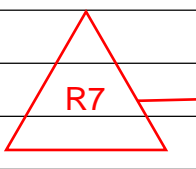
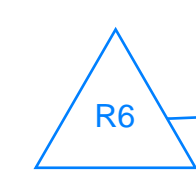
DESIGNER  
 BER

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

SHEET TOTAL  
 P.0332 P.1587

SHEET NO.	LOCATION	203		659	659	659														
		EXCAVATION, AS PER PLAN CY	EMBANKMENT, AS PER PLAN CY	SEEDING AND MULCHING, CLASS 2 SY	SEEDING AND MULCHING, CLASS 3A SY	SEEDING AND MULCHING, CLASS 3B SY														
	IR 90	226711	5337	100021	11768	5884														
	RAMP HA	963	128	568	211	185														
	RAMP HB	1051	89	695																
	RAMP MC	605	65	309	263	59														
	RAMP MD	1858	97	257	216	971														
	RAMP ME	673	63	6		686														
	RAMP MF	1916	88	364	271	1022														
	RAMP W1	915	102	778																
	RAMP W2	1589	63	431		909														
	RAMP W1A	355	190	338		569														
	RAMP W2A	675	37	282	153															
	RAMP 104-3	628	169	1239	355															
	RAMP 104-4	2685	2570	216	2057	186														
	RAMP 117-5	921	90	1569	185	93														
	RAMP 117-7	979	74	1649	194	97														
	RAMP 117-8	763	64	1341	158	79														
	RAMP 117-9	2206		3613	426	213														
	RAMP 117-11	2626	55	5151	607	304														
	RAMP 117-12	2775	12	3719	438	219														
	RAMP W13	218	531	1473	174	87														
	RAMP W14	1137	6	2060	243	122														
	<b>TOTALS CARRIED TO GENERAL SUMMARY</b>	<b>252,249</b>	<b>9,830</b>	<b>126,079</b>	<b>17,719</b>	<b>11,685</b>														



EARTHWORK ESTIMATED QUANTITIES

DESIGN AGENCY  
**AMERICAN STRUCTUREPOINT INC.**  
 DESIGNER  
 BER  
 REVIEWER  
 VDK 08/09/23  
 PROJECT ID  
 76779  
 SHEET TOTAL  
 P.0341 P.1587



EARTHWORK QUANTITIES

RAMP HA

Table with 5 columns: STATION, CUT AREA, CUT VOLUME, FILL AREA, FILL VOLUME. Rows include station data from 33+16.99 to 40+46.41 and a totals row.

EARTHWORK QUANTITIES

RAMP HB

Table with 5 columns: STATION, CUT AREA, CUT VOLUME, FILL AREA, FILL VOLUME. Rows include station data from 30+86.69 to 43+02.41 and a totals row.

EARTHWORK QUANTITIES

RAMP MC

Table with 5 columns: STATION, CUT AREA, CUT VOLUME, FILL AREA, FILL VOLUME. Rows include station data from 95+31.42 to 100+24.40 and a totals row.

EARTHWORK QUANTITIES

RAMP MD

Table with 5 columns: STATION, CUT AREA, CUT VOLUME, FILL AREA, FILL VOLUME. Rows include station data from 90+43.53 to 97+75.29 and a totals row.

EARTHWORK QUANTITIES

RAMP ME

Table with 5 columns: STATION, CUT AREA, CUT VOLUME, FILL AREA, FILL VOLUME. Rows include station data from 5+30.69 to 9+50.00 and a totals row.

EARTHWORK QUANTITIES

RAMP MF

Table with 5 columns: STATION, CUT AREA, CUT VOLUME, FILL AREA, FILL VOLUME. Rows include station data from 5+32.80 to 12+75.21 and a totals row.

EARTHWORK QUANTITIES

RAMP W1

Table with 5 columns: STATION, CUT AREA, CUT VOLUME, FILL AREA, FILL VOLUME. Rows include station data from 36+39.23 to 43+13.75 and a totals row.

EARTHWORK QUANTITIES

RAMP W2

Table with 5 columns: STATION, CUT AREA, CUT VOLUME, FILL AREA, FILL VOLUME. Rows include station data from 29+40.99 to 37+80.90 and a totals row.

EARTHWORK QUANTITIES

RAMP W1A

Table with 5 columns: STATION, CUT AREA, CUT VOLUME, FILL AREA, FILL VOLUME. Rows include station data from 57+55.24 to 65+46.49 and a totals row.

EARTHWORK QUANTITIES

RAMP W2A

Table with 5 columns: STATION, CUT AREA, CUT VOLUME, FILL AREA, FILL VOLUME. Rows include station data from 58+74.00 to 62+88.04 and a totals row.

EARTHWORK QUANTITIES

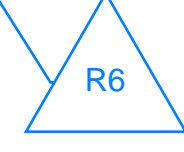
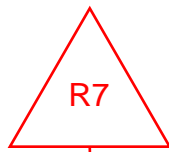
RAMP 140-3

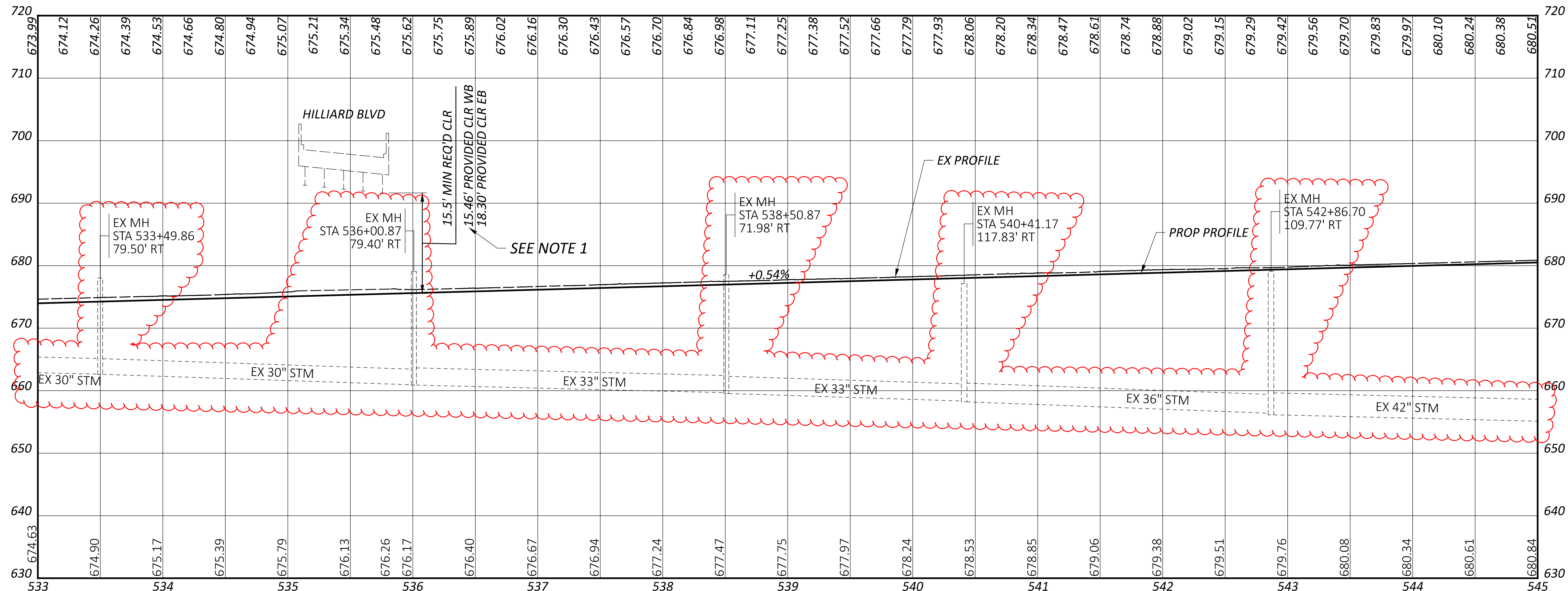
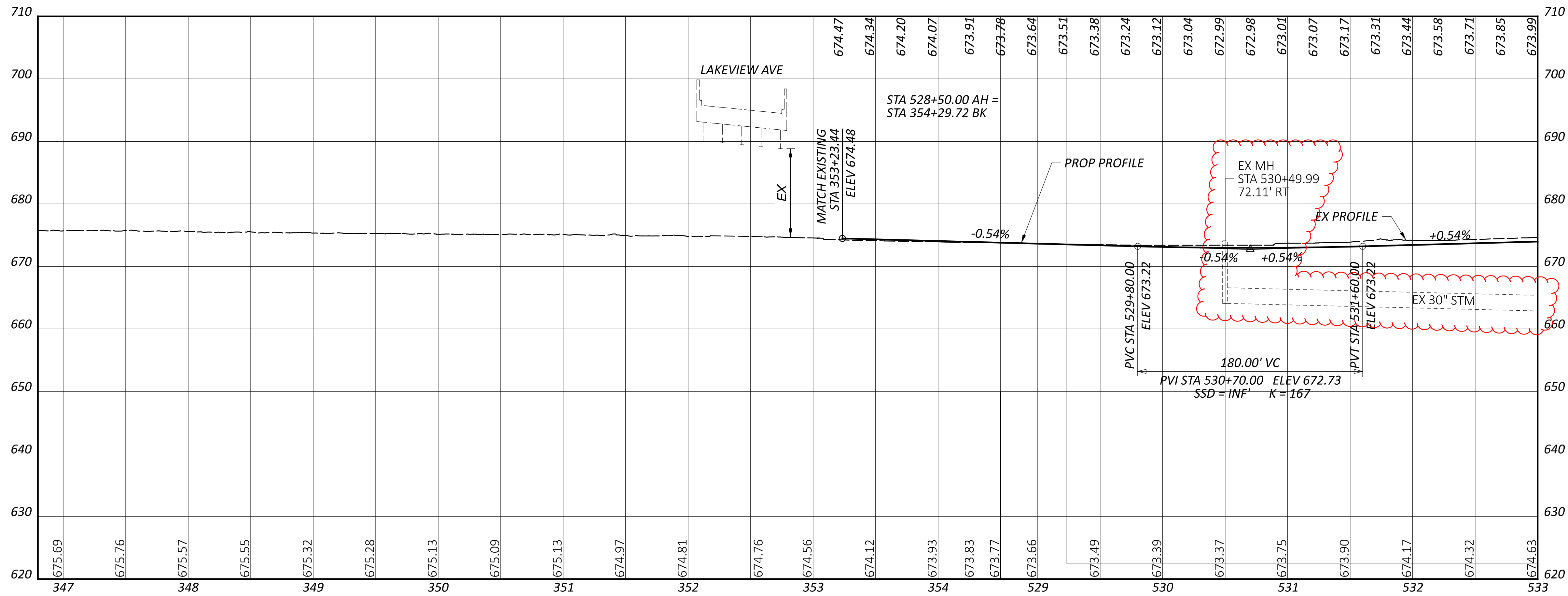
Table with 5 columns: STATION, CUT AREA, CUT VOLUME, FILL AREA, FILL VOLUME. Rows include station data from 72+50.59 to 81+73.19 and a totals row.

EARTHWORK QUANTITIES

RAMP 140-4

Table with 5 columns: STATION, CUT AREA, CUT VOLUME, FILL AREA, FILL VOLUME. Rows include station data from 74+24.53 to 80+97.54 and a totals row. A blue dashed box highlights the 78+00.00 to 80+97.54 section.



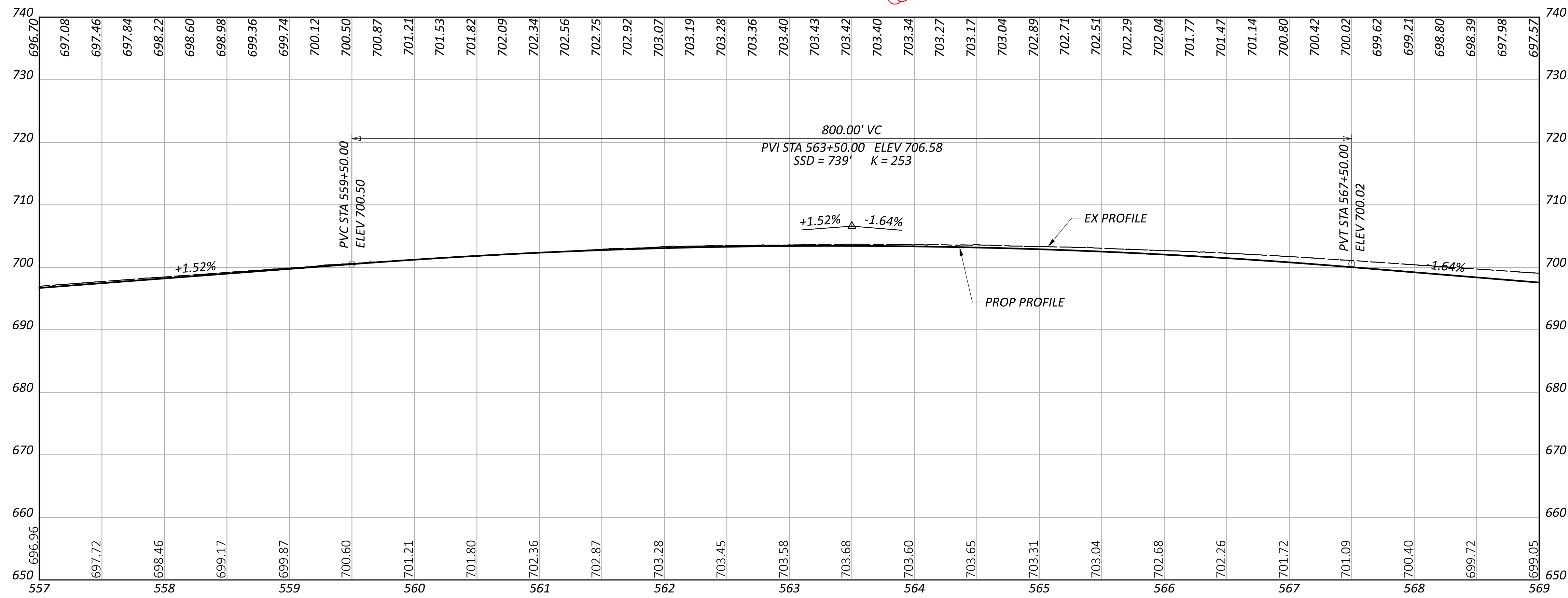
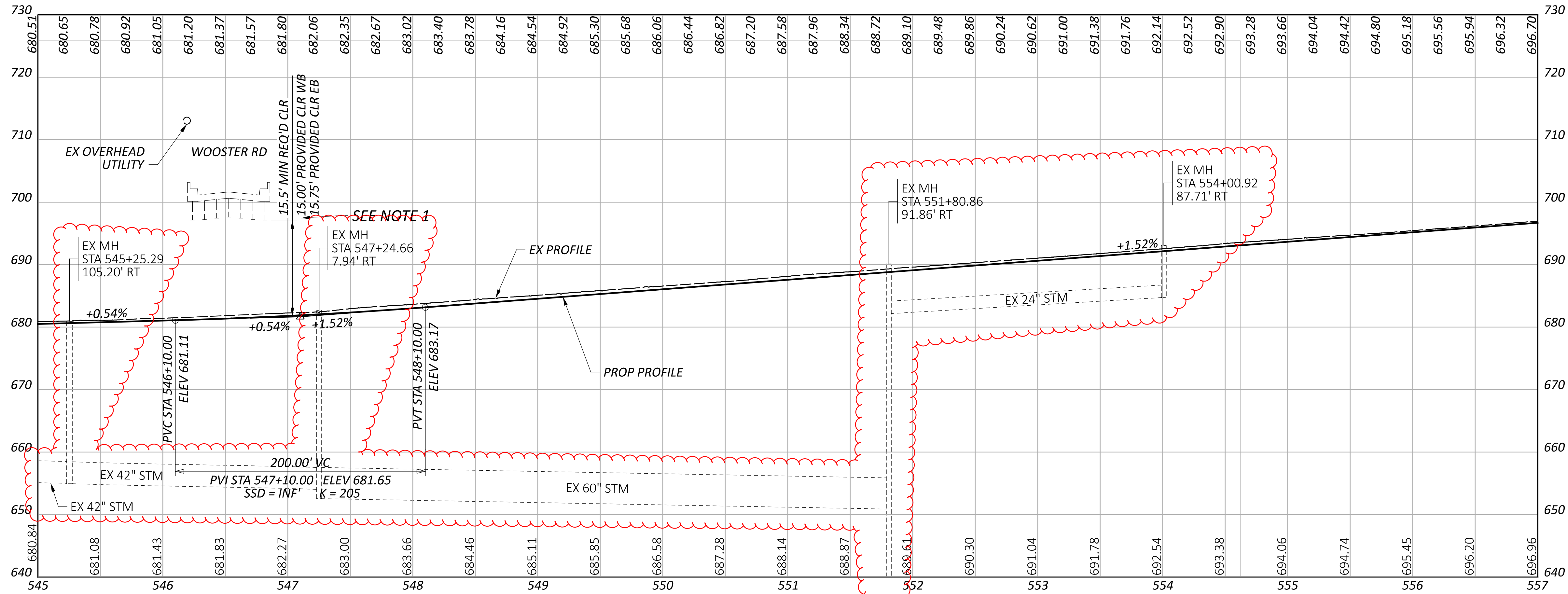


CROSS REFERENCES:	
DESCRIPTION	SHEET NO
DRAINAGE PROFILES	P.1068-P.1149

NOTES:  
 1. VERTICAL CLEARANCE DESIGN EXCEPTION - 06/15/22

PROFILE SHEET - IR 90  
 STA 347+00.00 TO STA 545+00.00

DESIGN AGENCY	STRUCTUREPOINT INC.
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	TOTAL
P.0388	P.1587

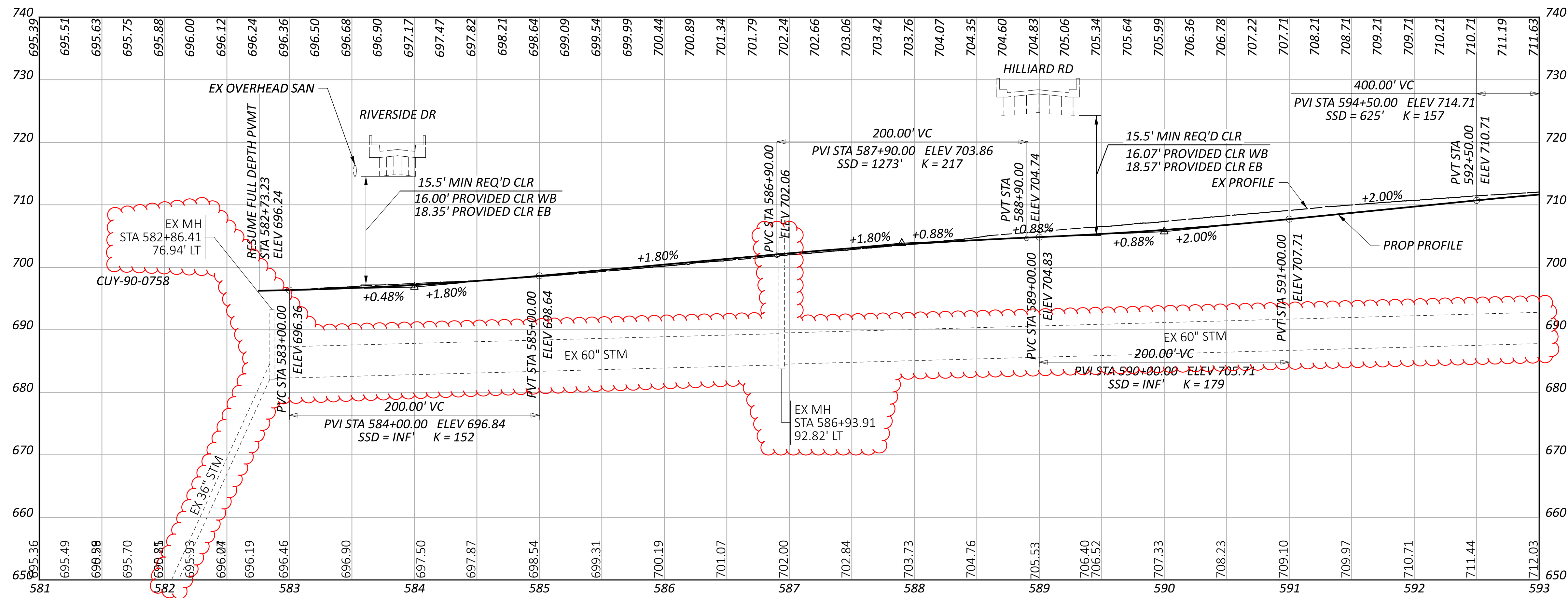
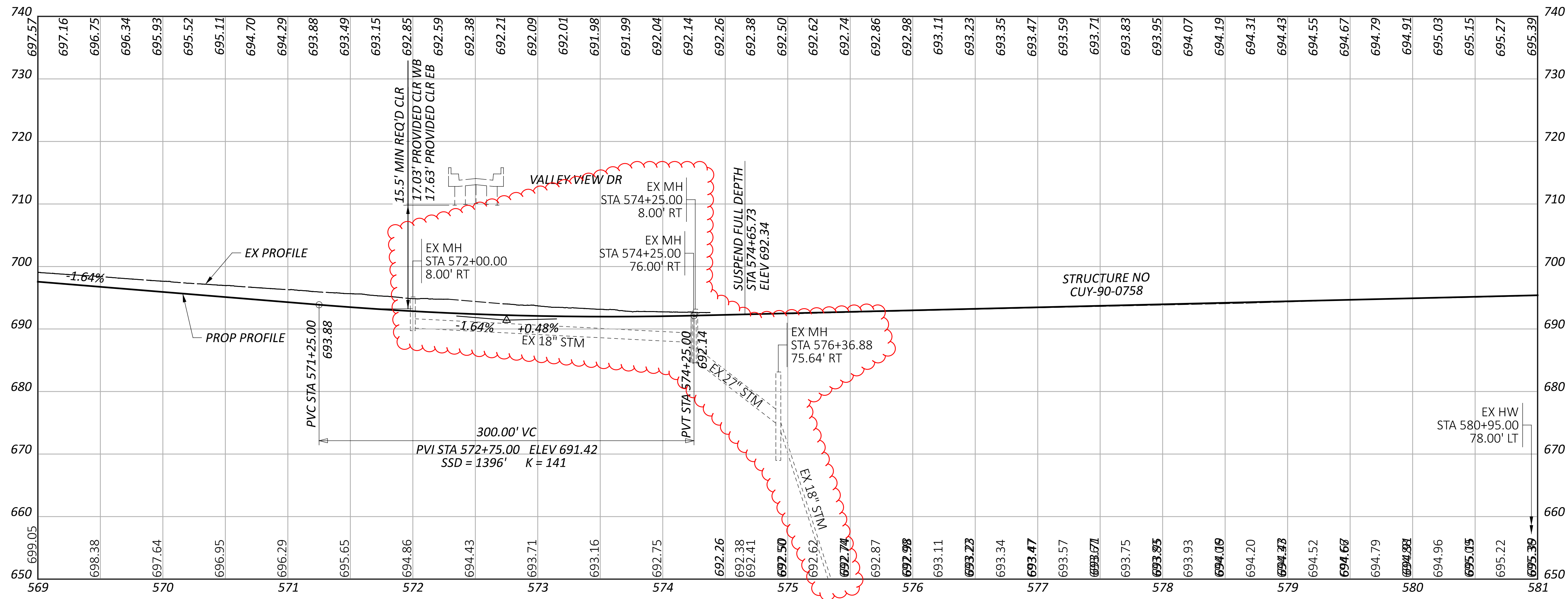


CROSS REFERENCES:	
DESCRIPTION	SHEET NO
DRAINAGE PROFILES	P.1068-P.1149

NOTES:  
 1. VERTICAL CLEARANCE DESIGN EXCEPTION - 06/15/22

PROFILE SHEET - IR 90  
 STA 545+00.00 TO STA 569+00.00

DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0391
TOTAL	P.1587

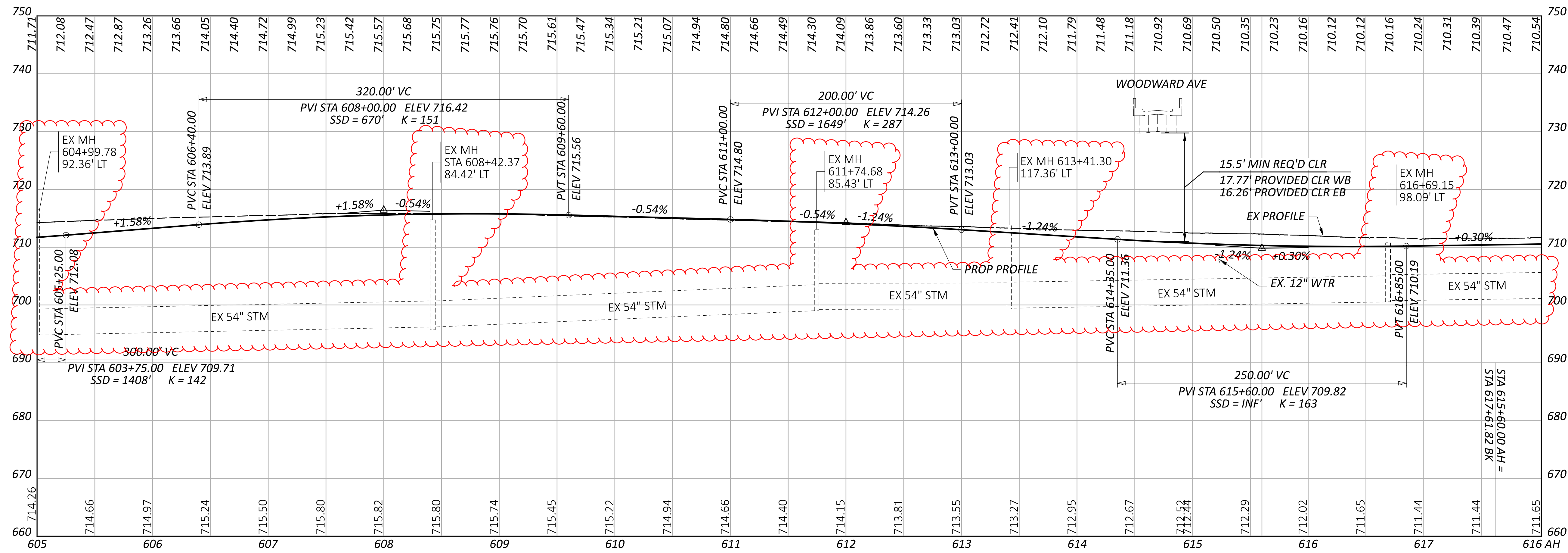
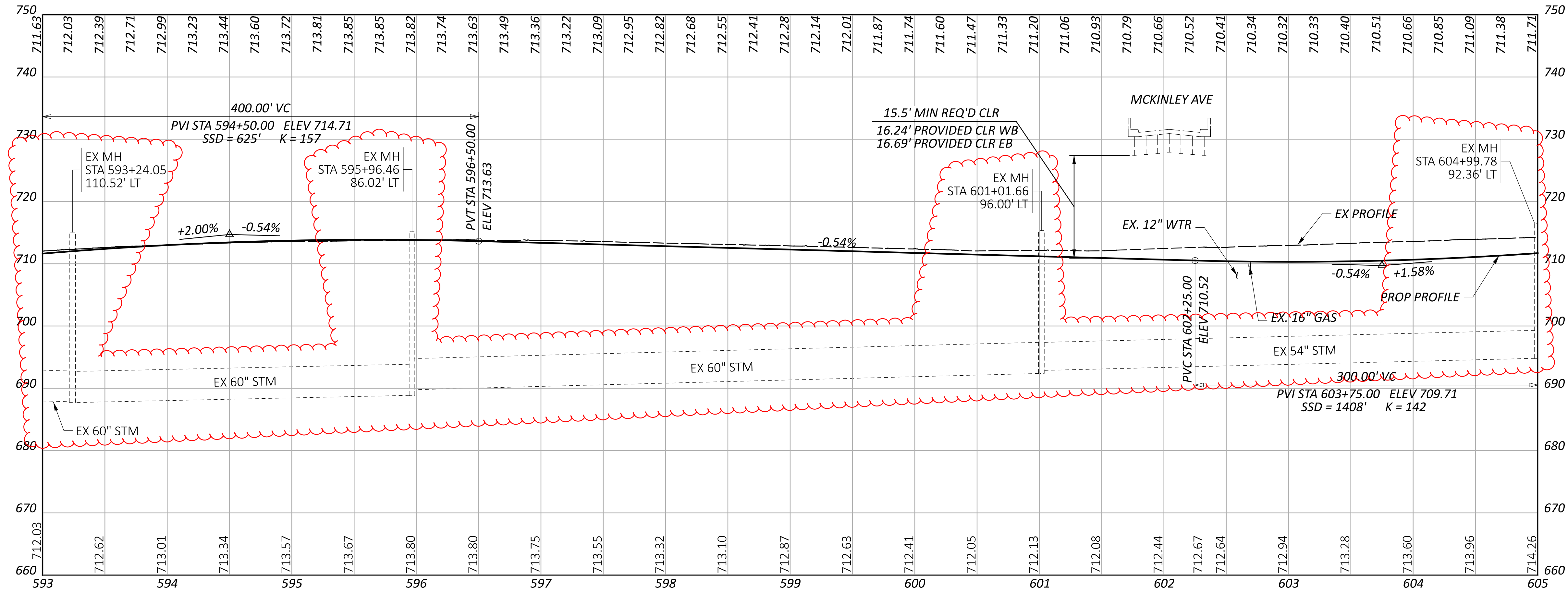


CROSS REFERENCES:

DESCRIPTION	SHEET NO
DRAINAGE PROFILES	P.1068-P.1149

PROFILE SHEET - IR 90  
 STA 569+00.00 TO STA 593+00.00

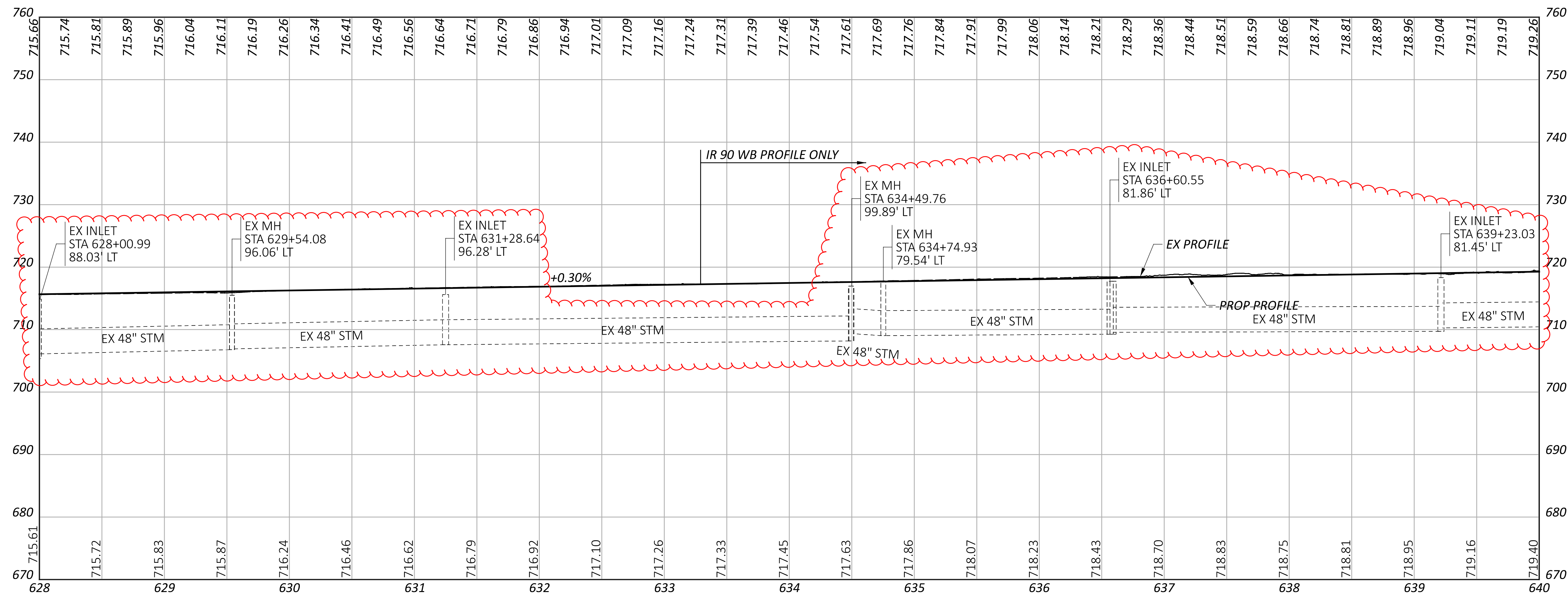
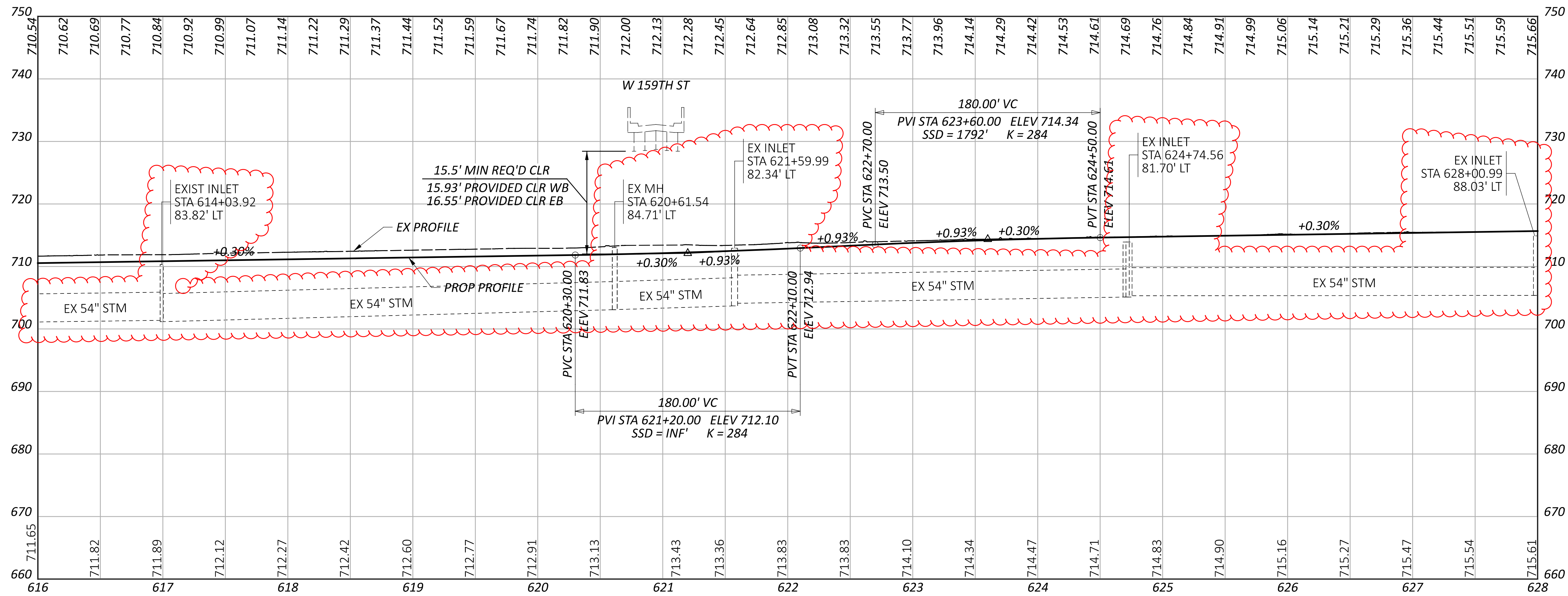
DESIGN AGENCY	STRUCTUREPOINT INC.
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	TOTAL
P.0394	P.1587



CROSS REFERENCES:	
DESCRIPTION	SHEET NO
DRAINAGE PROFILES	P.1068-P.1149

PROFILE SHEET - IR 90  
 STA 593+00.00 TO STA 616+00.00

DESIGN AGENCY	STRUCTUREPOINT
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	TOTAL
P.0397	P.1587



CROSS REFERENCES:

DESCRIPTION	SHEET NO
DRAINAGE PROFILES	P.1068-P.1149

DESIGN AGENCY



DESIGNER

BER

REVIEWER

VDK 08/09/23

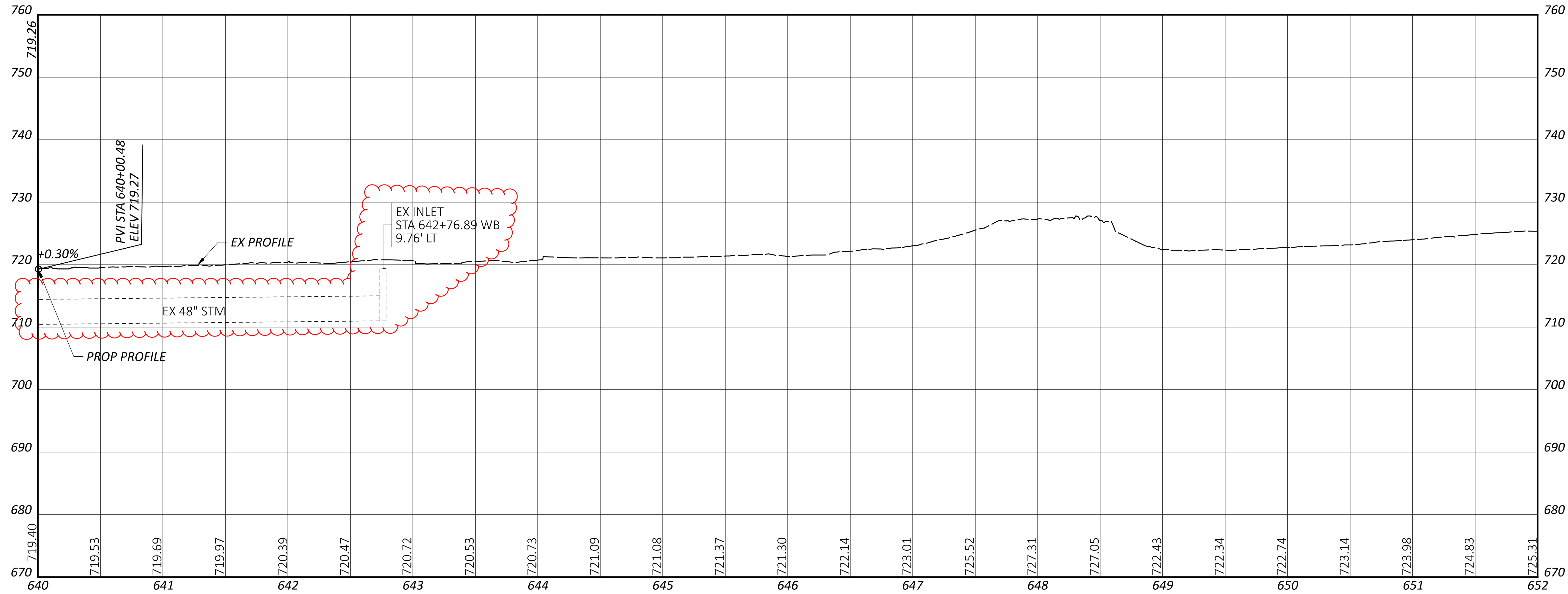
PROJECT ID

76779

SHEET TOTAL

P.0400 | P.1587

PROFILE SHEET - IR 90  
 STA 616+00.00 TO STA 640+00.00

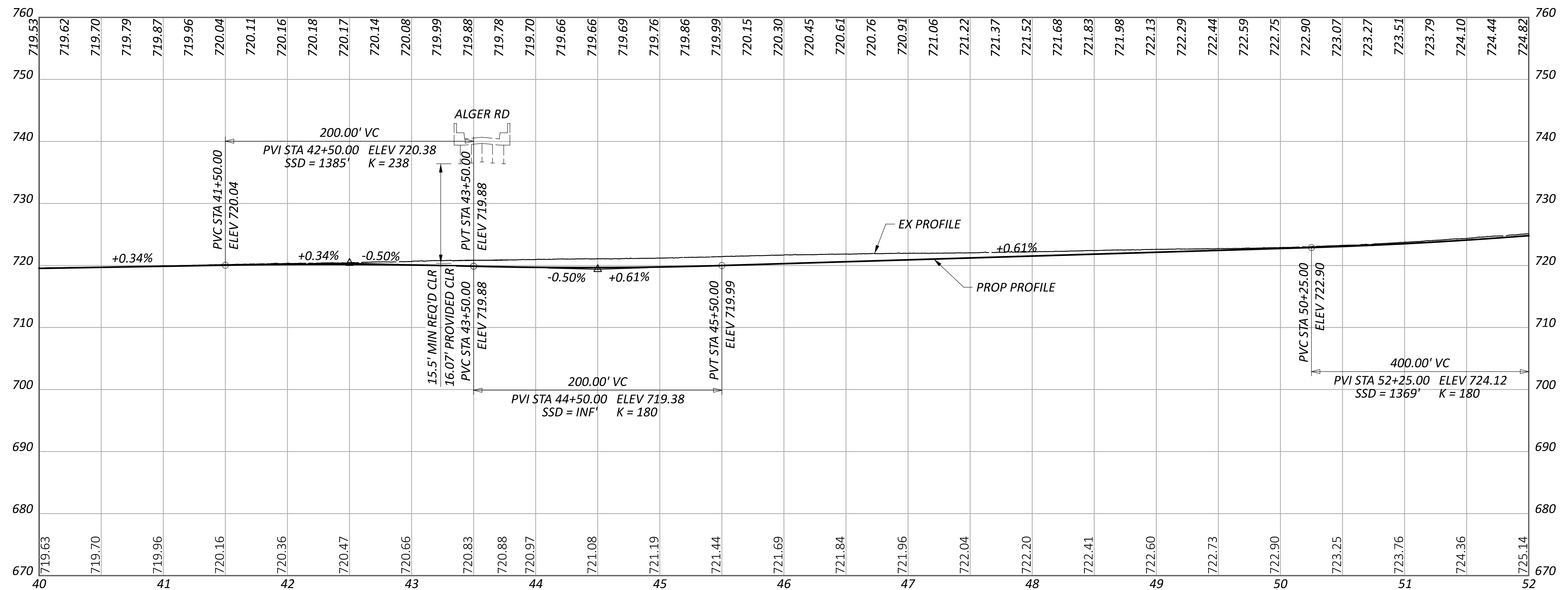
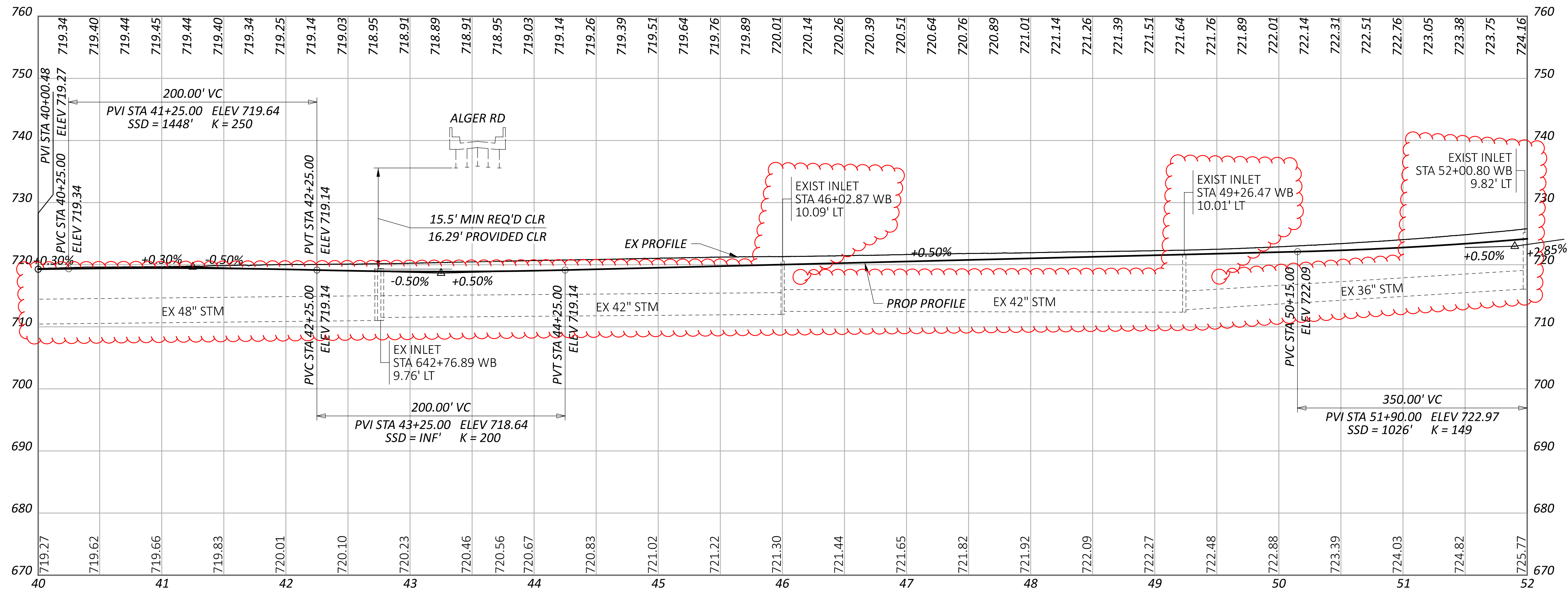


CROSS REFERENCES:

DESCRIPTION	SHEET NO
DRAINAGE PROFILES	P.1068-P.1149

DESIGN AGENCY	
AMERICAN STRUCTUREPOINT INC.	
DESIGNER	
BER	
REVIEWER	
VDK 08/09/23	
PROJECT ID	
76779	
SHEET	TOTAL
P.0403	P.1587

PROFILE SHEET - IR 90  
 STA 640+00.00 TO STA 652+00.00

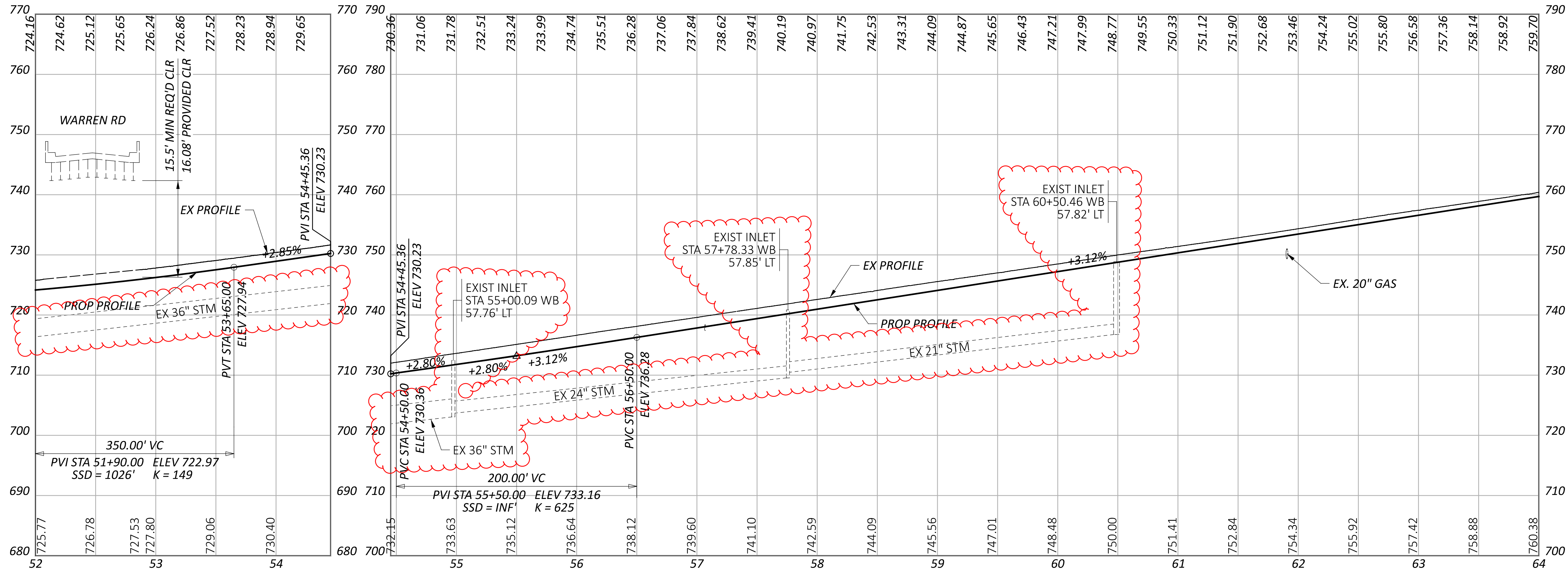


CROSS REFERENCES:	
DESCRIPTION	SHEET NO
DRAINAGE PROFILES	P.1068-P.1149

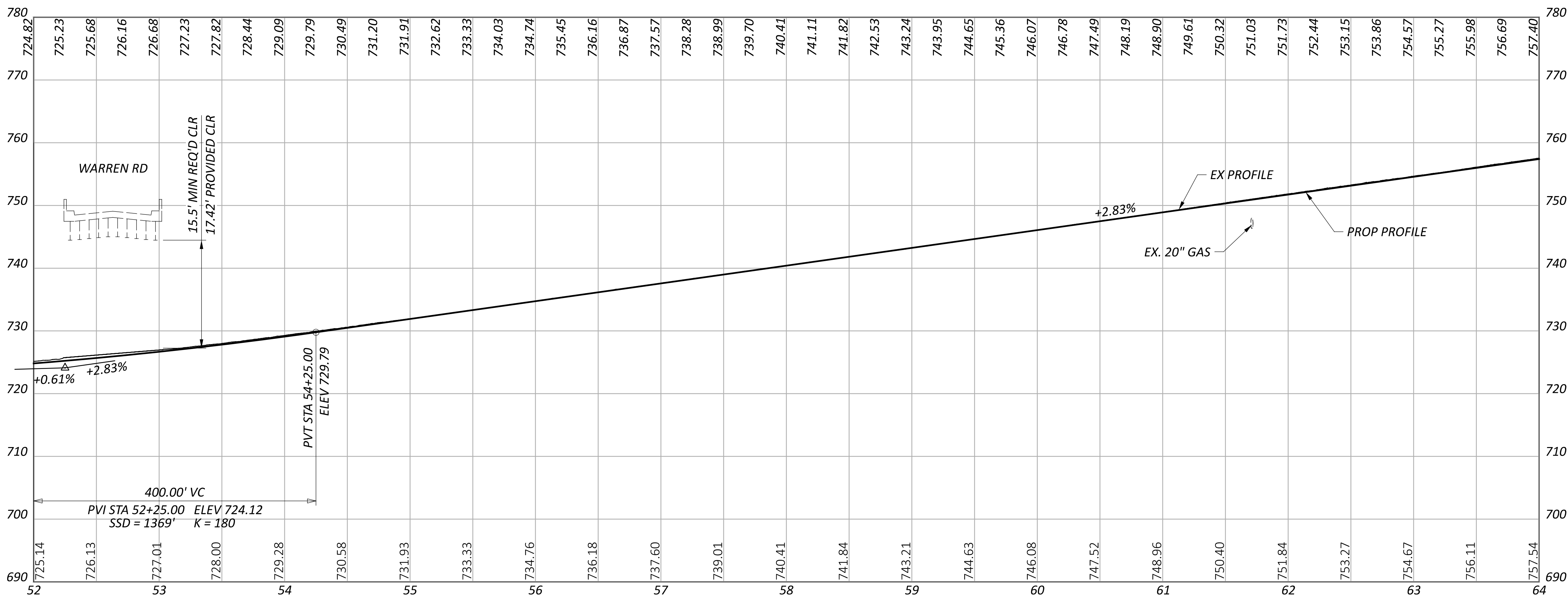
PROFILE SHEET - IR 90  
 STA 40+00.00 TO STA 52+00.00

DESIGN AGENCY	STRUCTUREPOINT INC.
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0404
TOTAL	P.1587





IR 90 WB

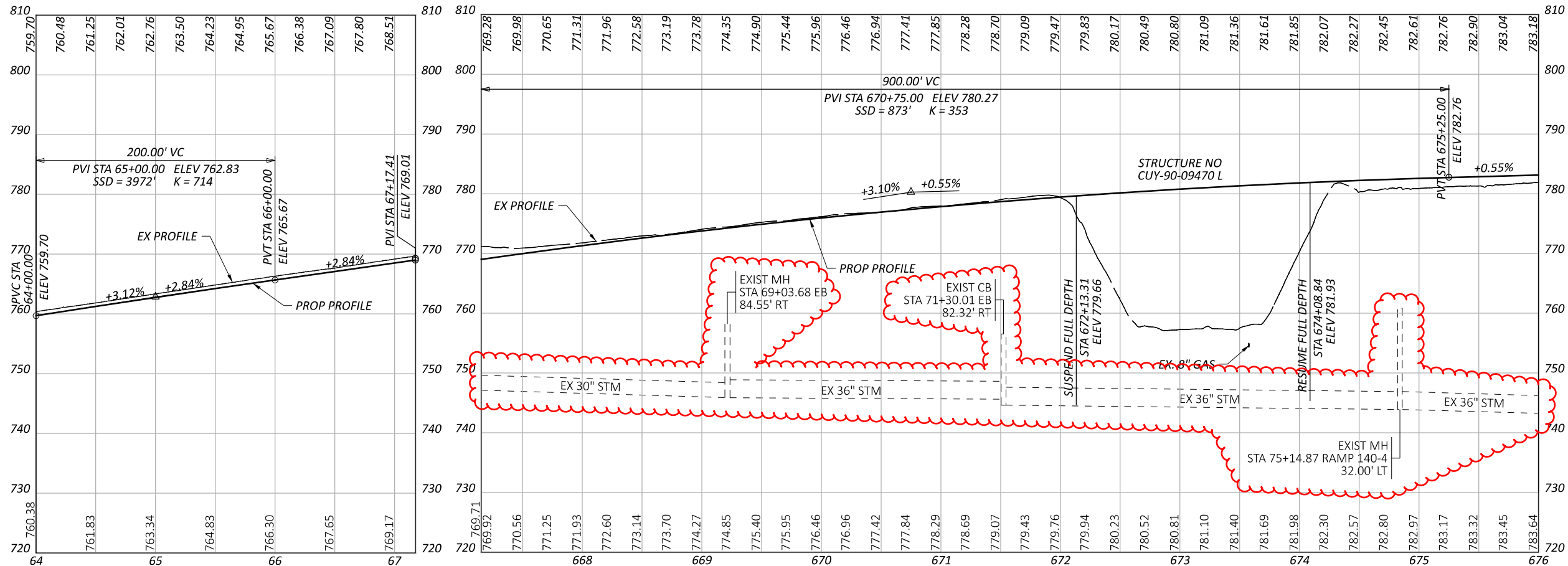


IR 90 EB

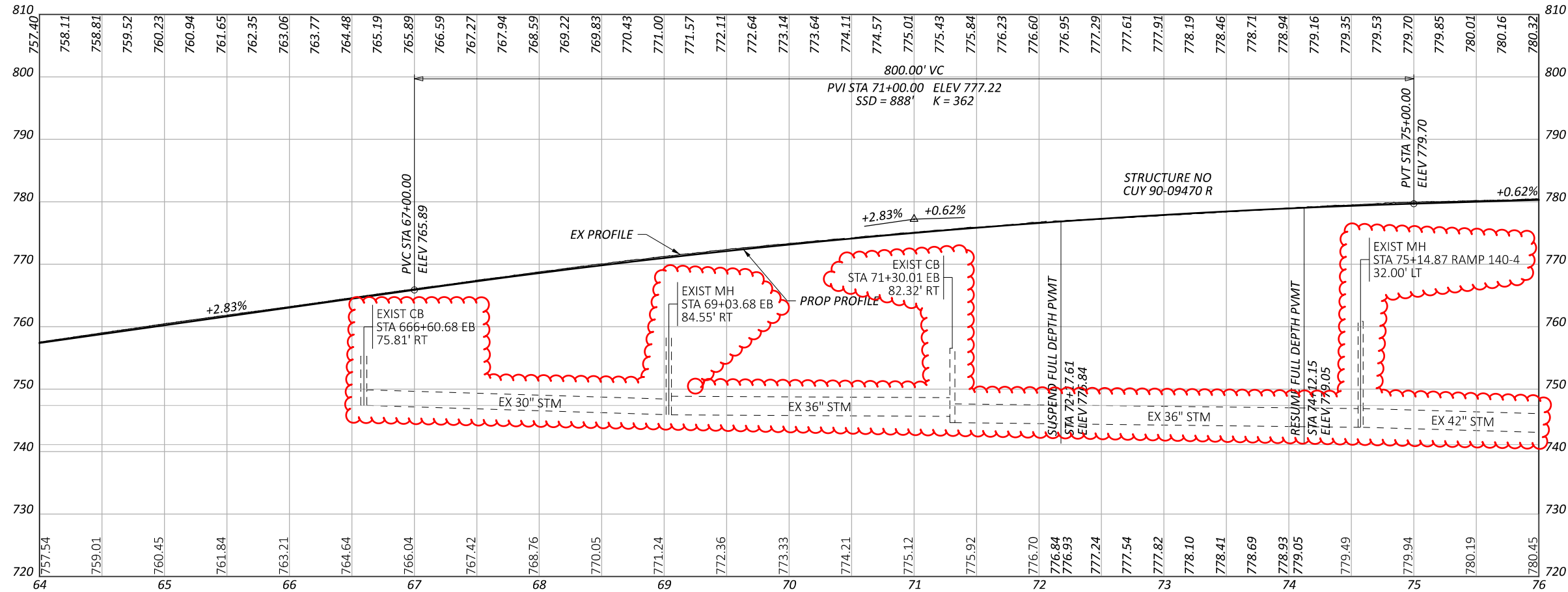
CROSS REFERENCES:	
DESCRIPTION	SHEET NO
DRAINAGE PROFILES	P.1068-P.1149

PROFILE SHEET - IR 90  
 STA 52+00.00 TO STA 64+00.00

DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0406
TOTAL	P.1587



IR 90 WB

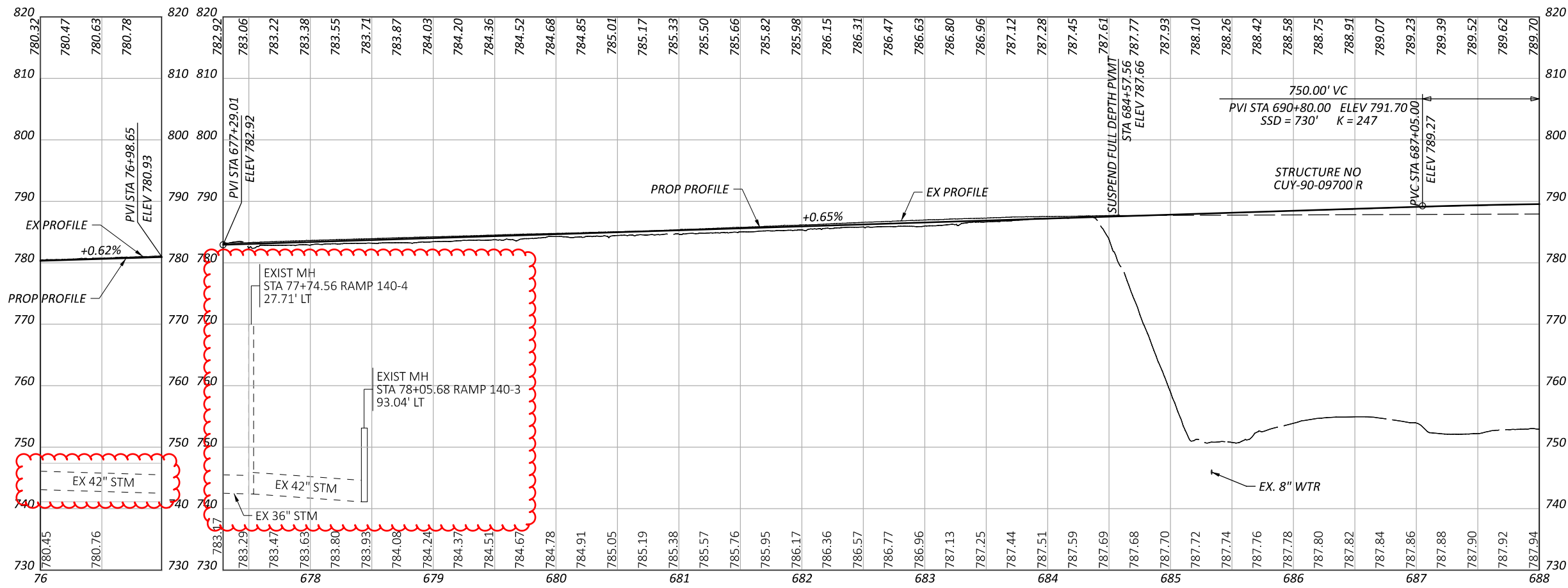


IR 90 EB

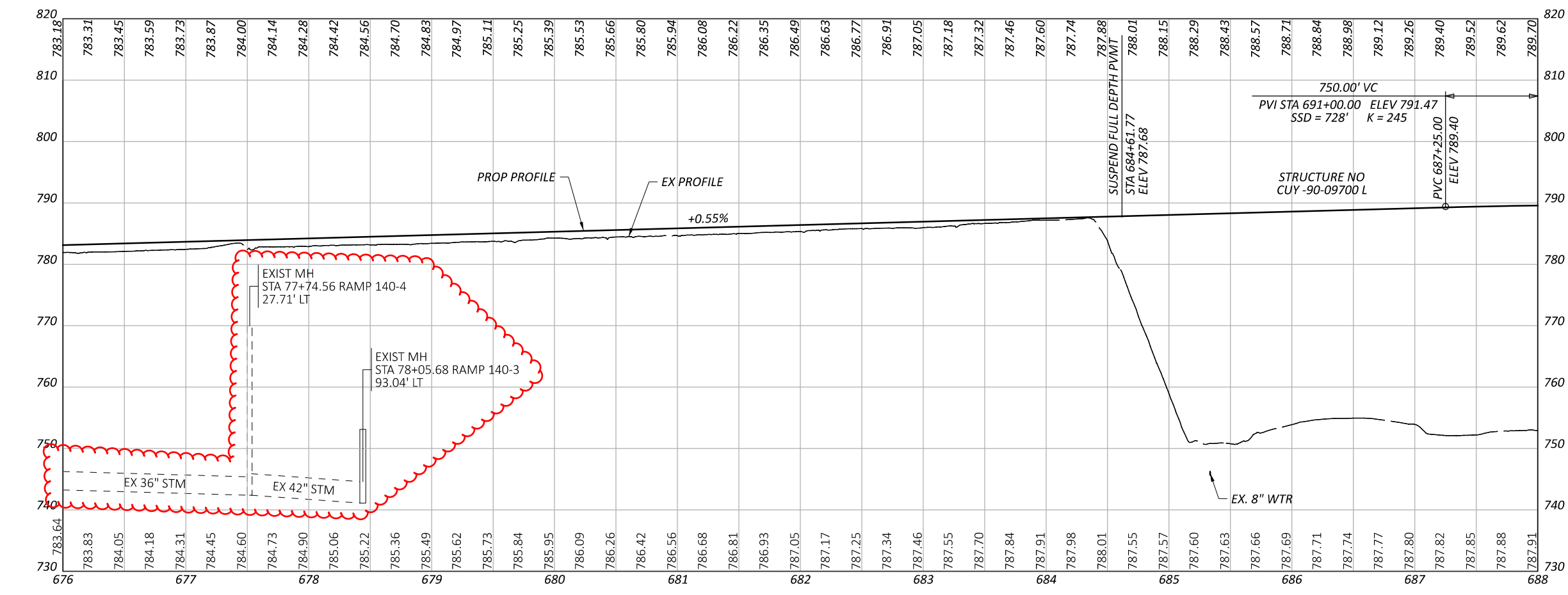
CROSS REFERENCES:	
DESCRIPTION	SHEET NO
DRAINAGE PROFILES	P.1068-P.1149

PROFILE SHEET - IR 90  
 STA 64+00.00 TO STA 676+00.00

DESIGN AGENCY	STRUCTUREPOINT INC.
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0408
TOTAL	P.1587



IR 90 EB

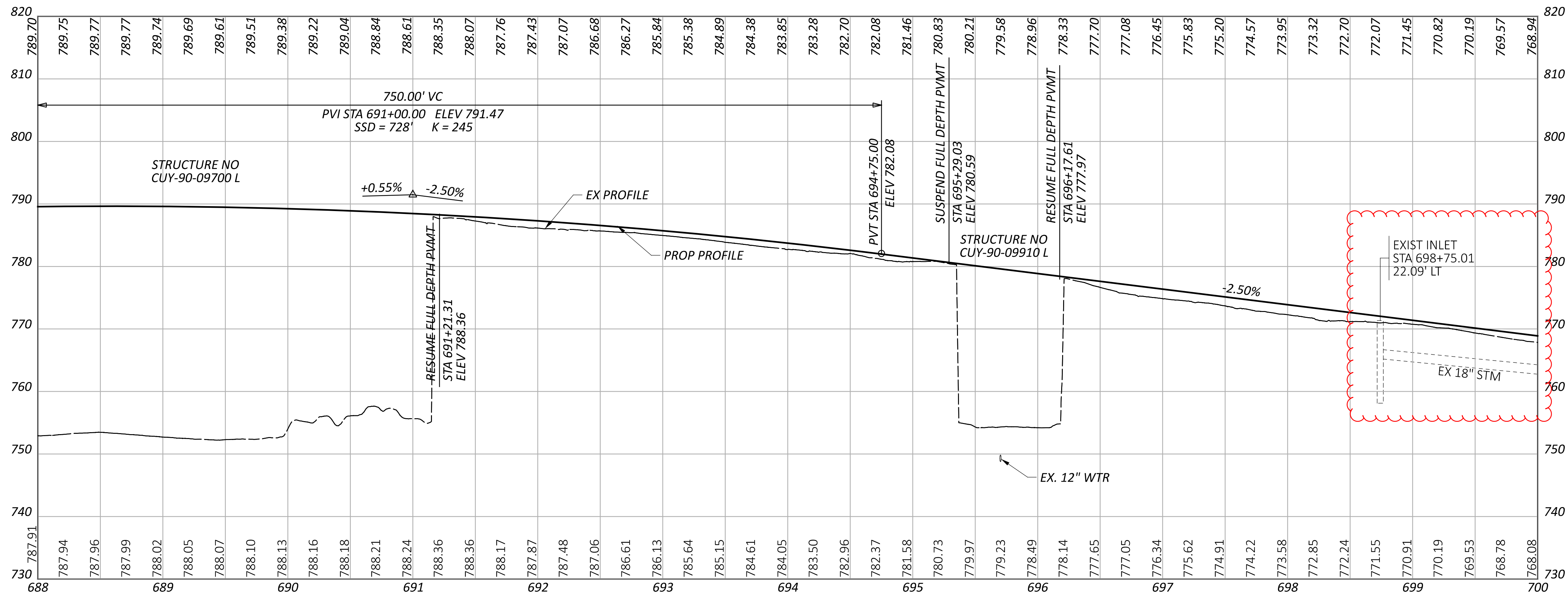


IR 90 WB

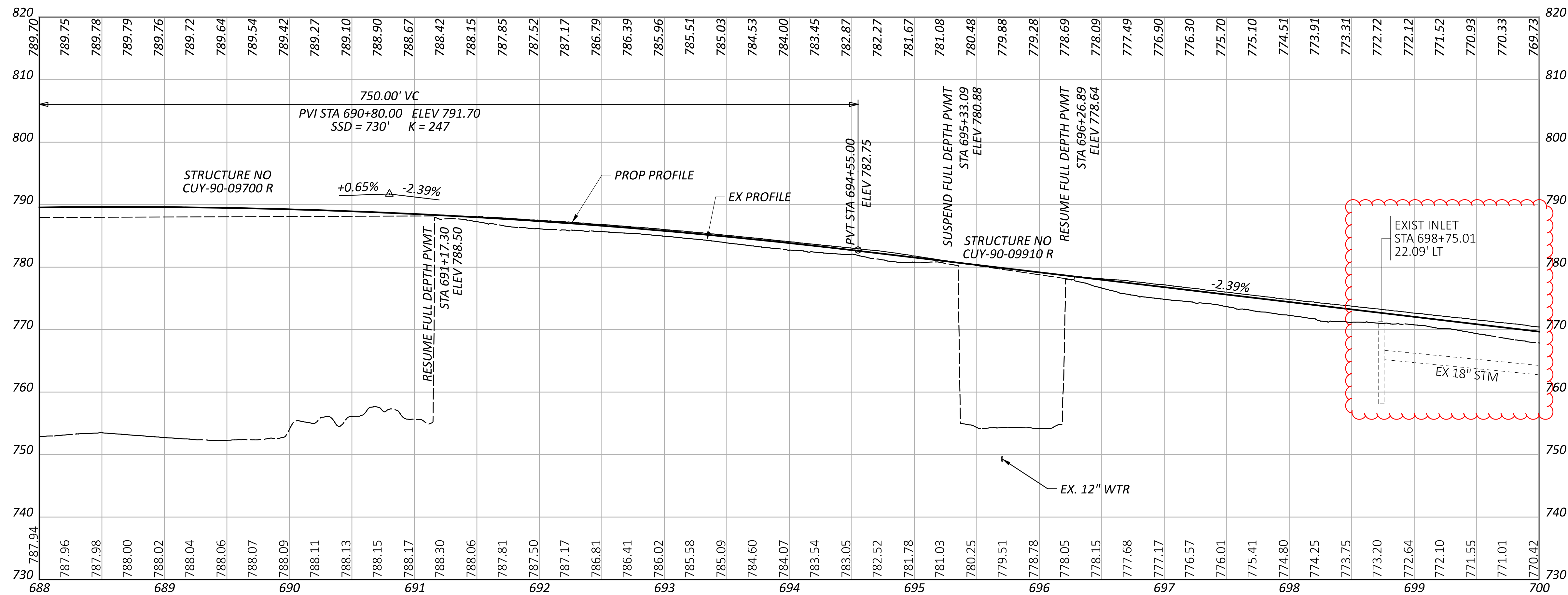
CROSS REFERENCES:	
DESCRIPTION	SHEET NO
DRAINAGE PROFILES	P.1068-P.1149

DESIGN AGENCY	STRUCTUREPOINT INC.
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0410
TOTAL	P.1587

PROFILE SHEET - IR 90  
 STA 676+00.00 TO STA 688+00.00



IR 90 WB

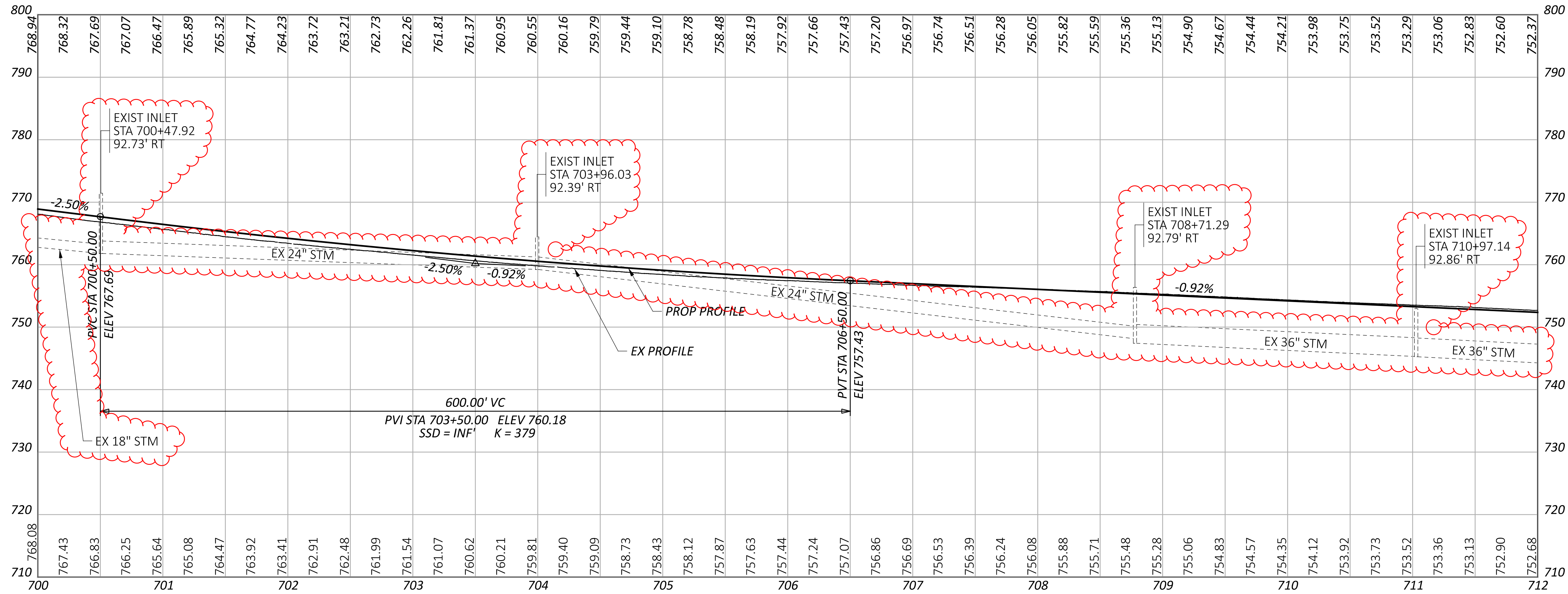


IR 90 EB

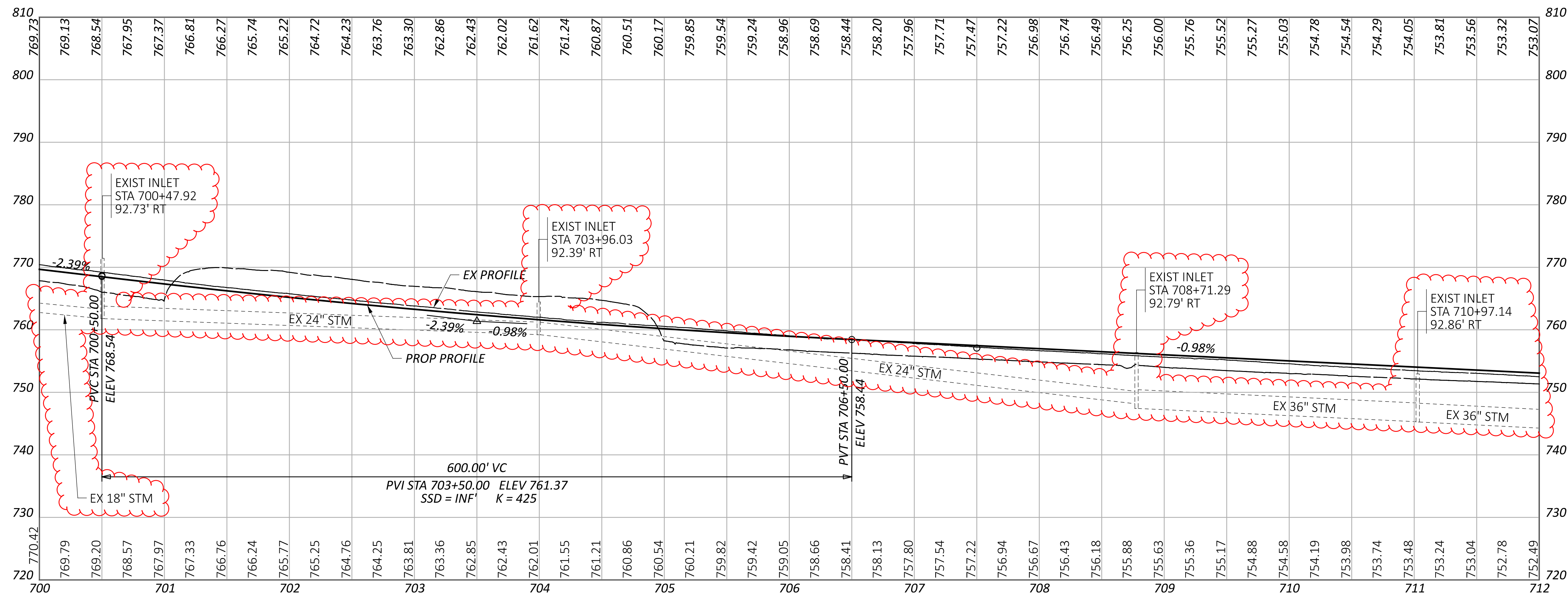
CROSS REFERENCES:	
DESCRIPTION	SHEET NO
DRAINAGE PROFILES	P.1068-P.1149

PROFILE SHEET - IR 90  
 STA 688+00.00 TO STA 700+00.00

DESIGN AGENCY	BER
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	TOTAL
P.0412	P.1587



IR 90 WB

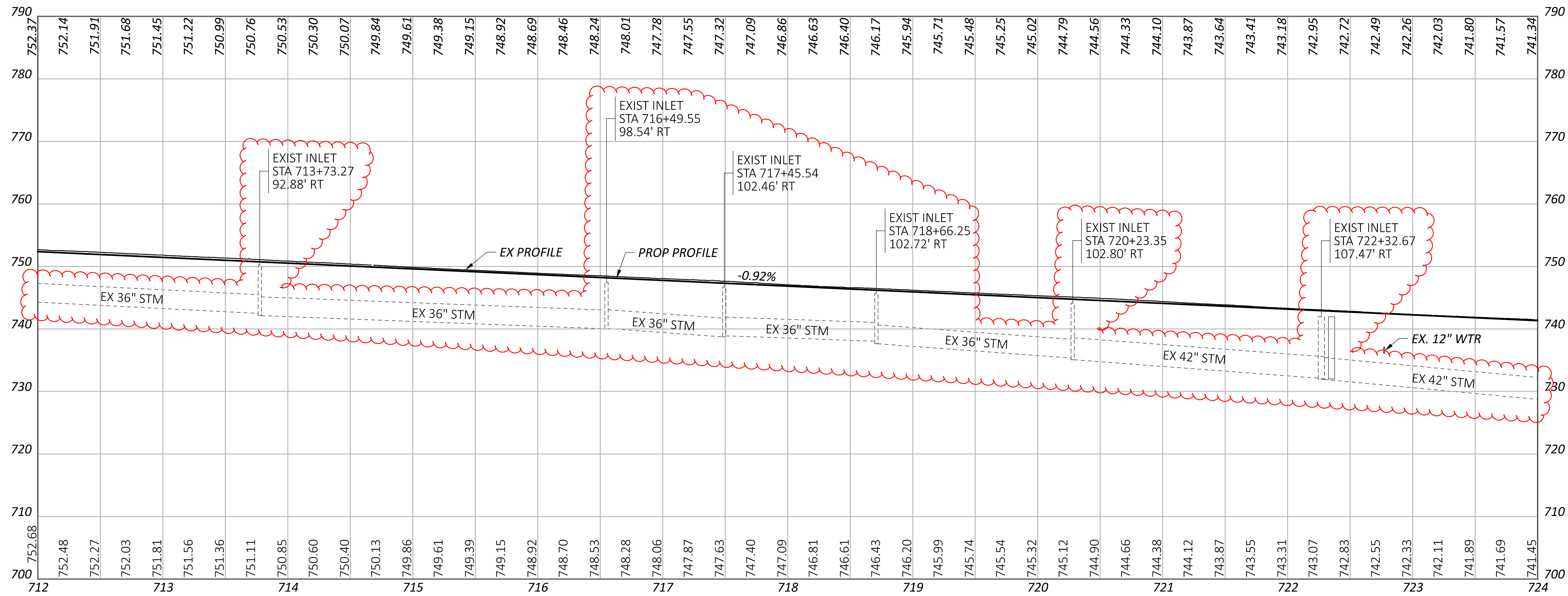


IR 90 EB

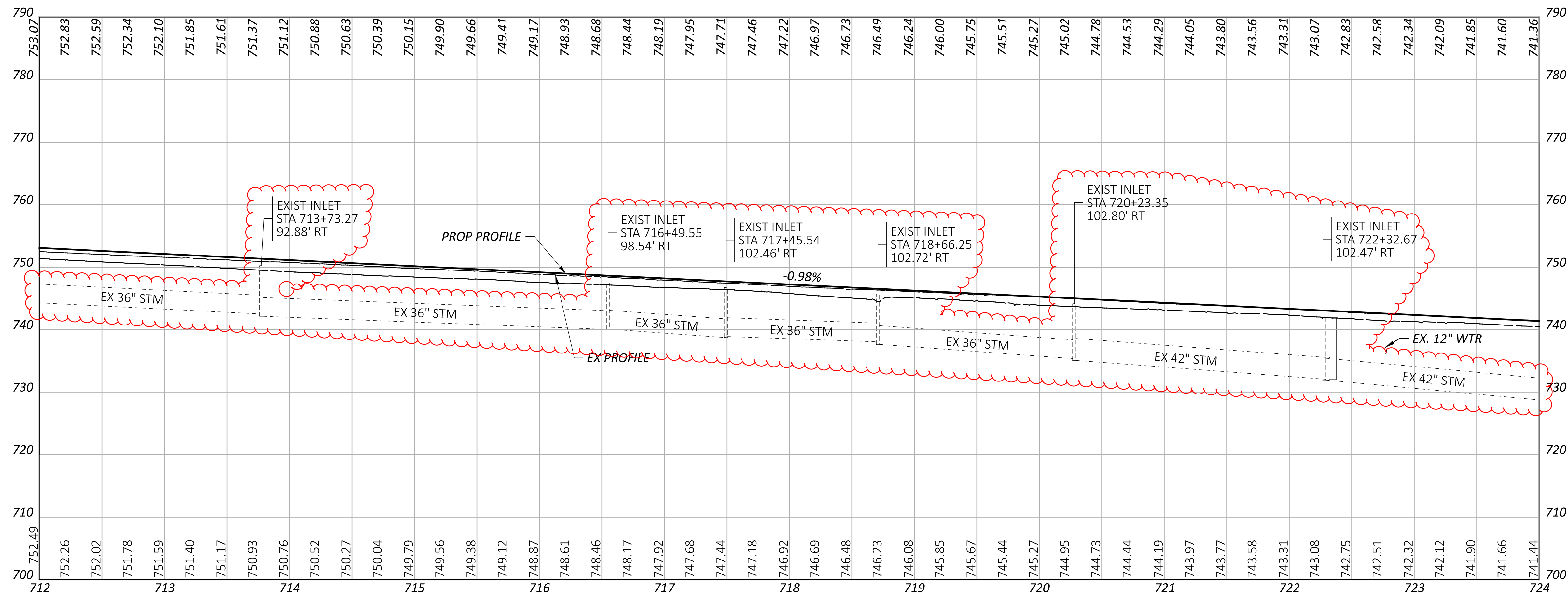
CROSS REFERENCES:	
DESCRIPTION	SHEET NO
DRAINAGE PROFILES	P.1068-P.1149

PROFILE SHEET - IR 90  
 STA 700+00.00 TO STA 712+00.00

DESIGN AGENCY	BER
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	TOTAL
P.0414	P.1587



IR 90 WB

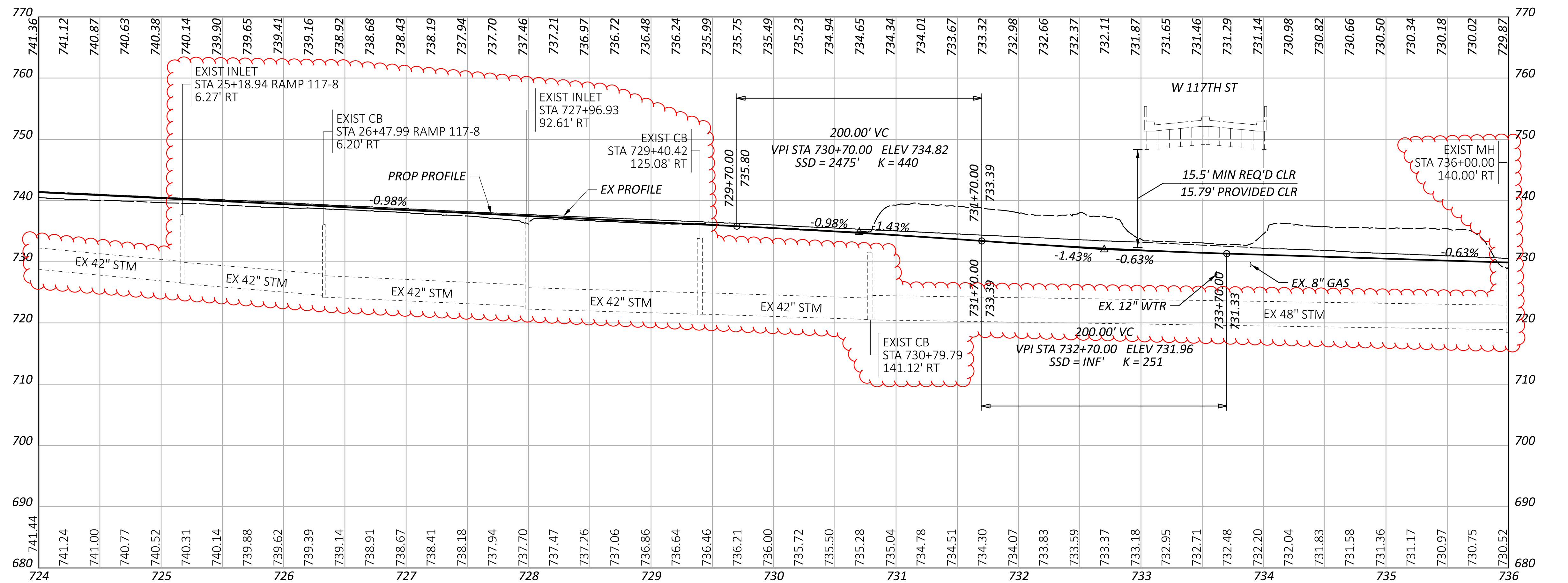
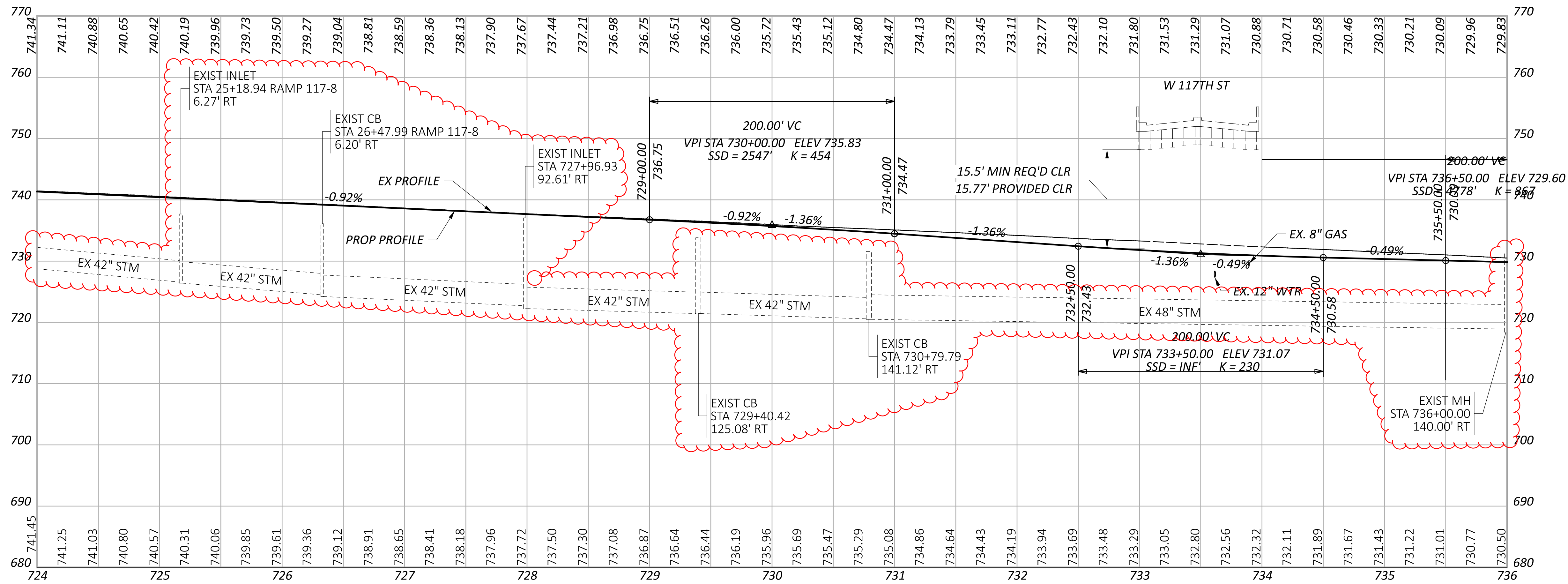


IR 90 EB

PROFILE SHEET - IR 90  
 STA 712+00.00 TO STA 724+00.00

CROSS REFERENCES:	
DESCRIPTION	SHEET NO
DRAINAGE PROFILES	P.1068-P.1149

DESIGN AGENCY	BER
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET TOTAL	P.0416   P.1587

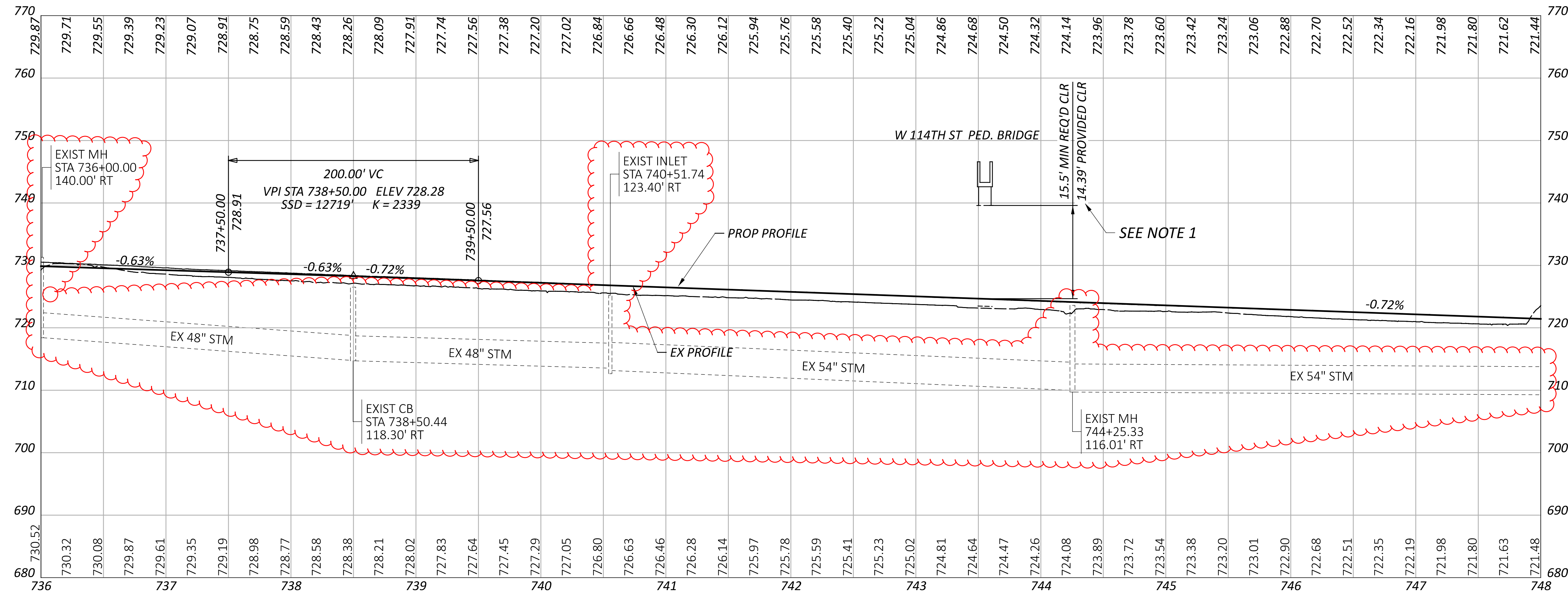
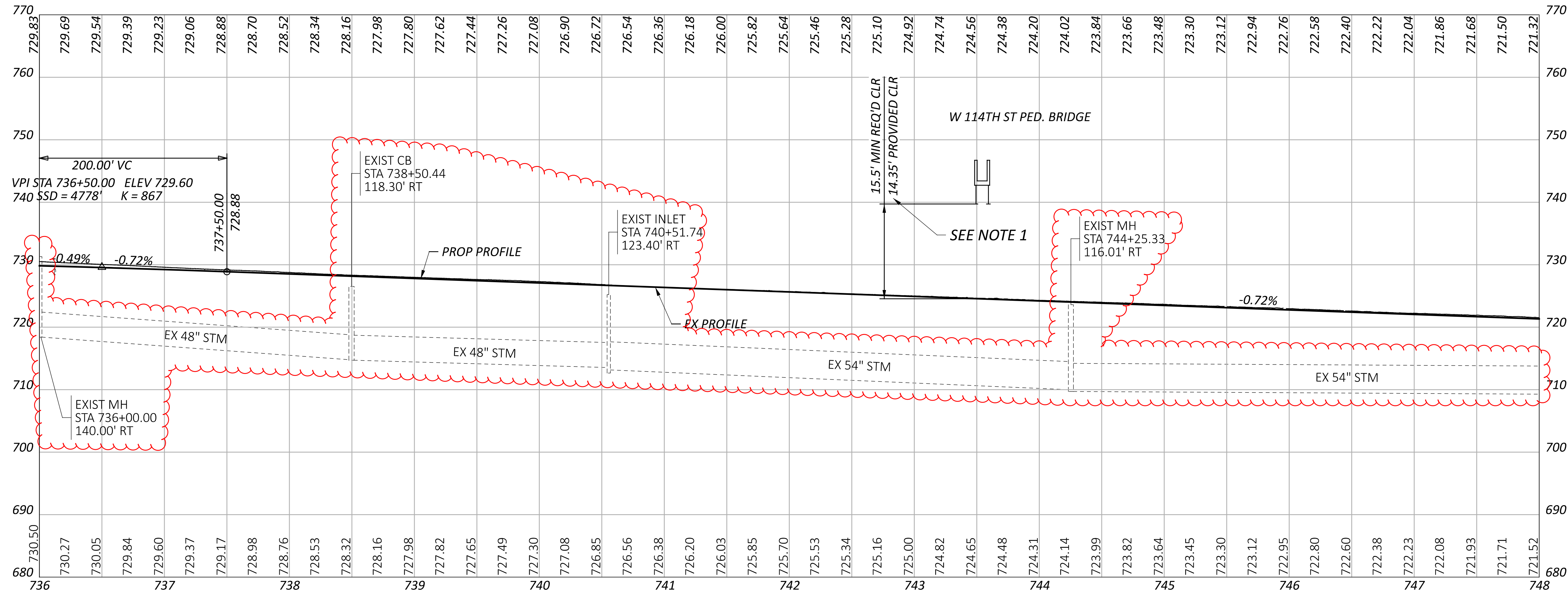


CROSS REFERENCES:

DESCRIPTION	SHEET NO
DRAINAGE PROFILES	P.1068-P.1149

DESIGN AGENCY	BER
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0418
TOTAL	P.1587

PROFILE SHEET - IR 90  
 STA 724+00.00 TO STA 736+00.00



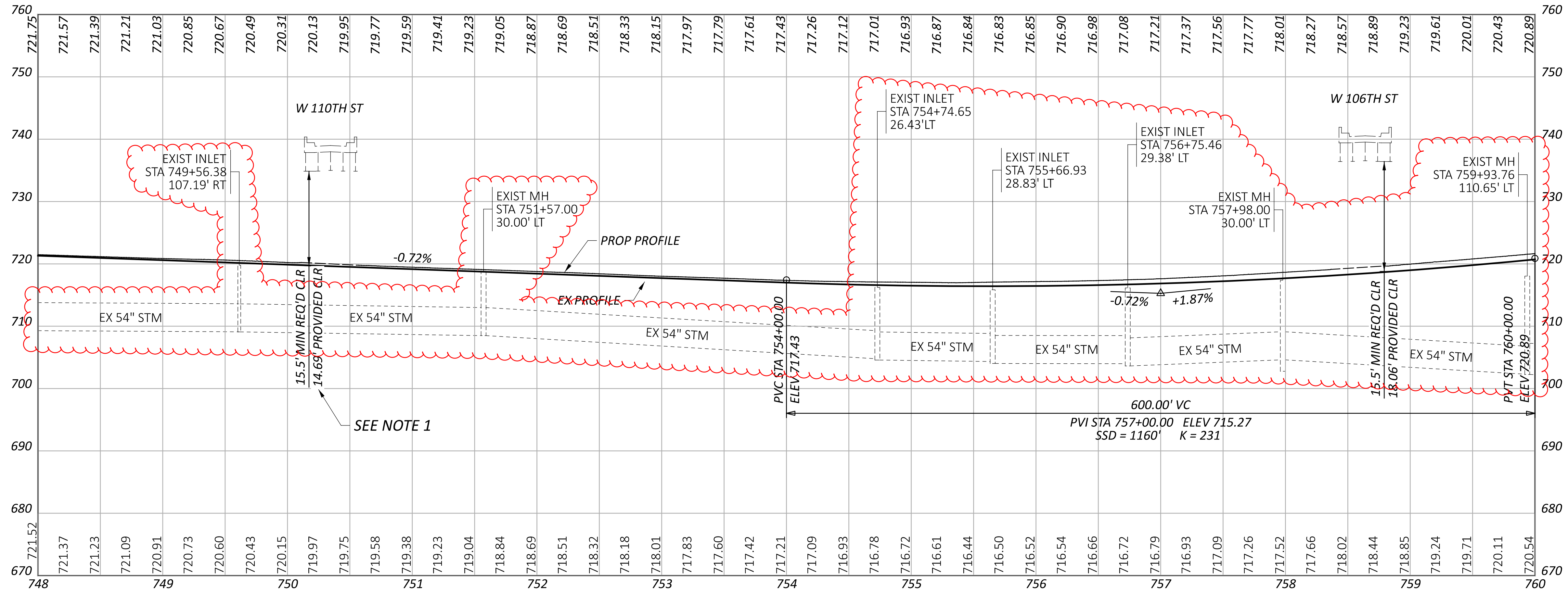
CROSS REFERENCES:	
DESCRIPTION	SHEET NO
DRAINAGE PROFILES	P.1068-P.1149

NOTES:  
 1. VERTICAL CLEARANCE DESIGN EXCEPTION - 06/15/22

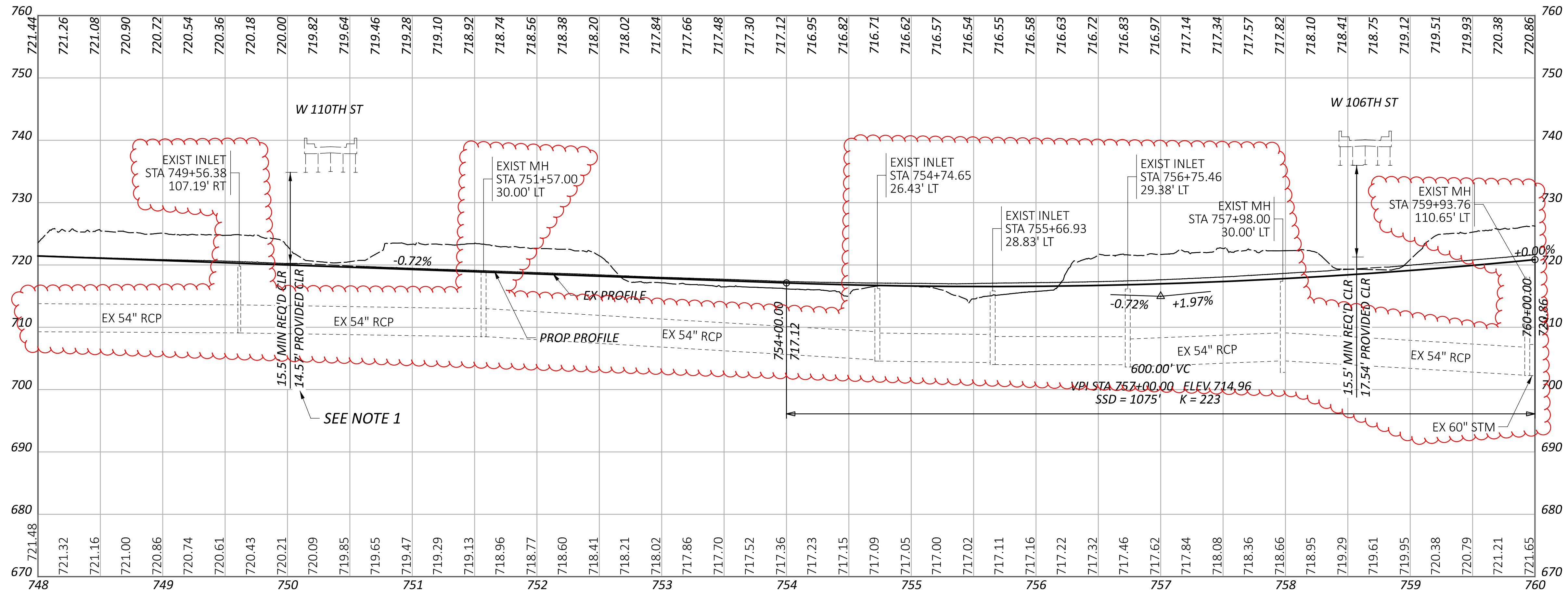
PROFILE SHEET - IR 90  
 STA 736+00.00 TO STA 748+00.00

DESIGN AGENCY	STRUCTUREPOINT INC.
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	TOTAL
P.0420	P.1587





IR 90 WB



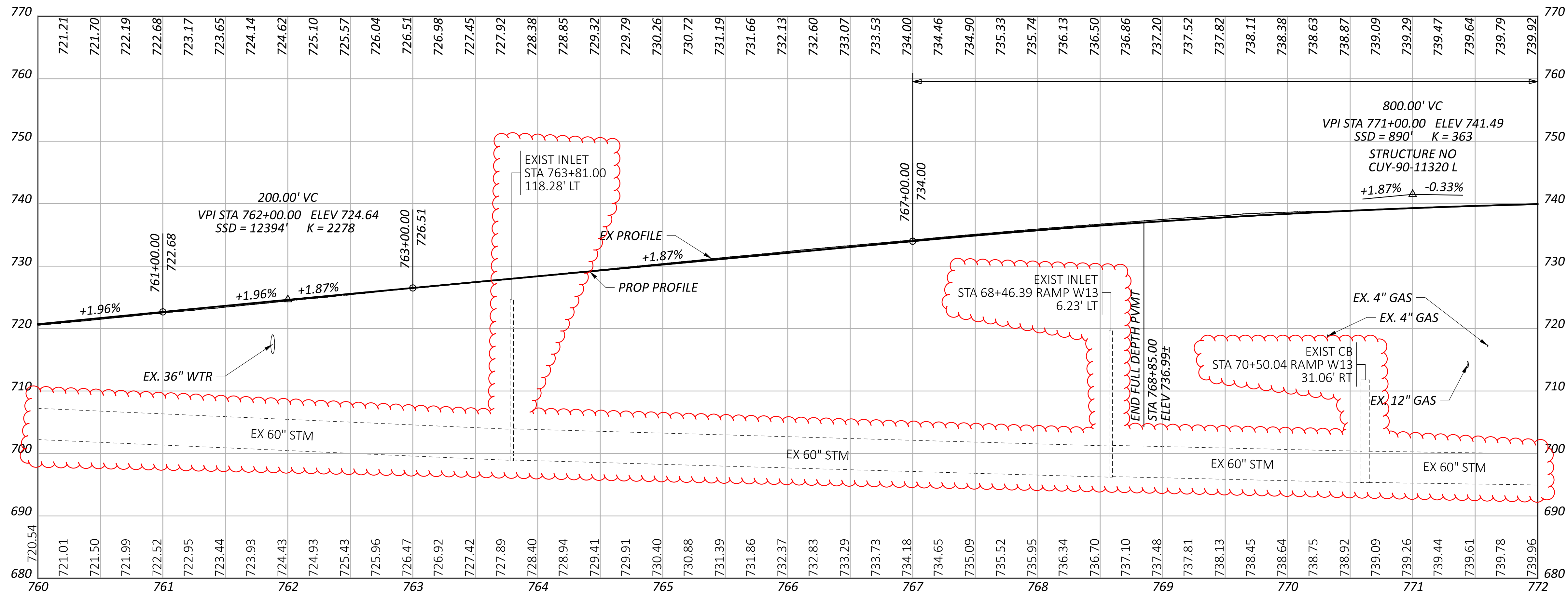
IR 90 EB

CROSS REFERENCES:	
DESCRIPTION	SHEET NO
DRAINAGE PROFILES	P.1068-P.1149

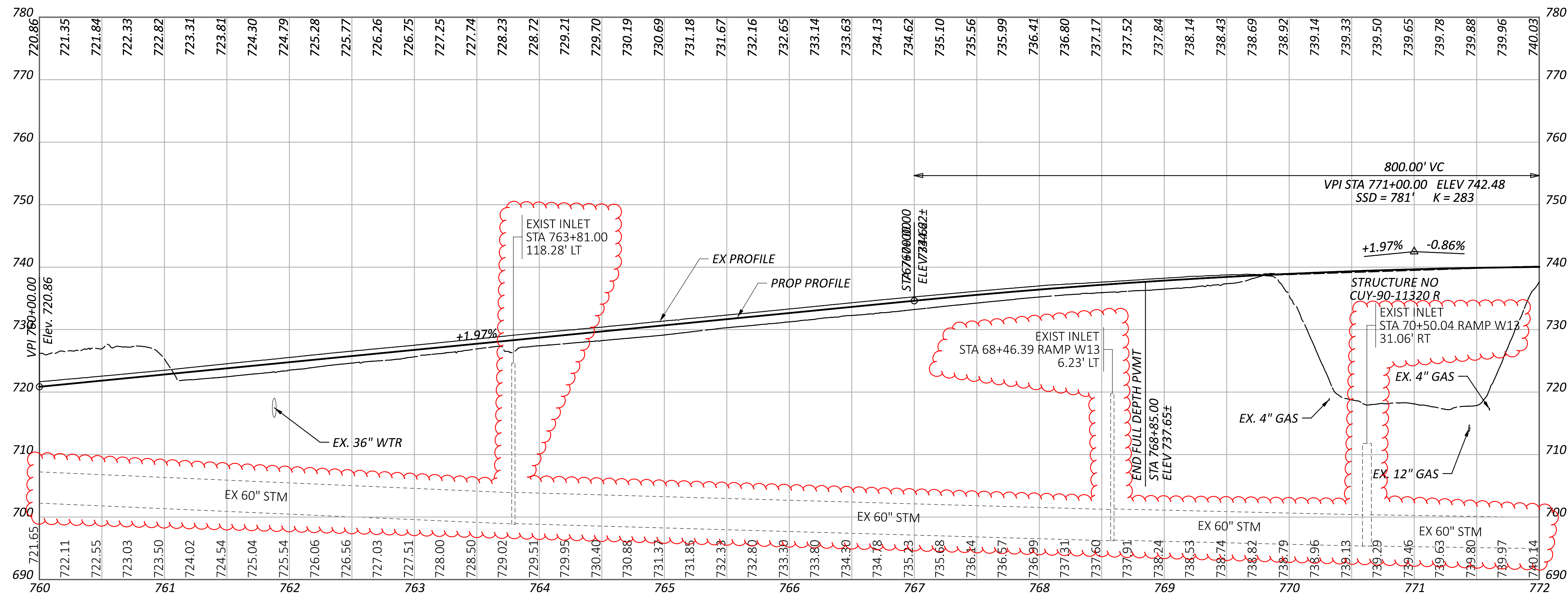
NOTES:  
 1. VERTICAL CLEARANCE DESIGN EXCEPTION - 06/15/22

PROFILE SHEET - IR 90  
 STA 748+00.00 TO STA 760+00.00

DESIGN AGENCY	STRUCTUREPOINT INC.
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0422
TOTAL	P.1587



IR 90 WB



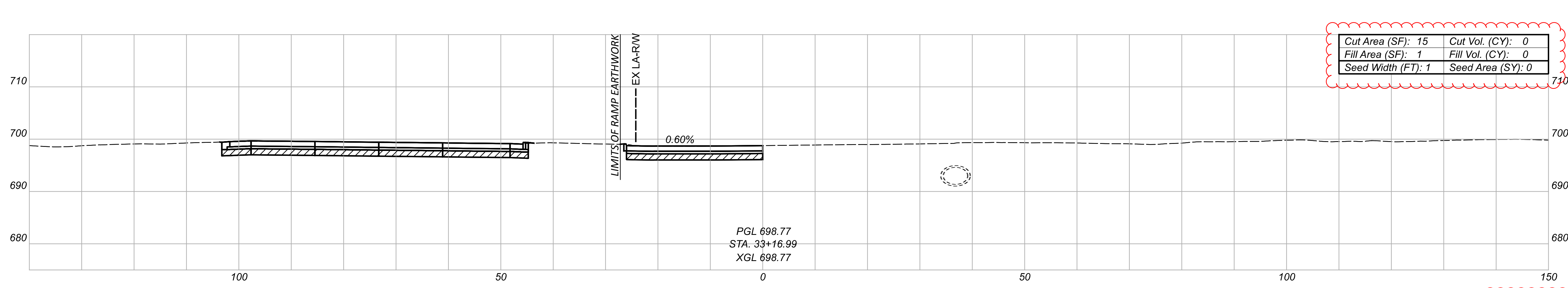
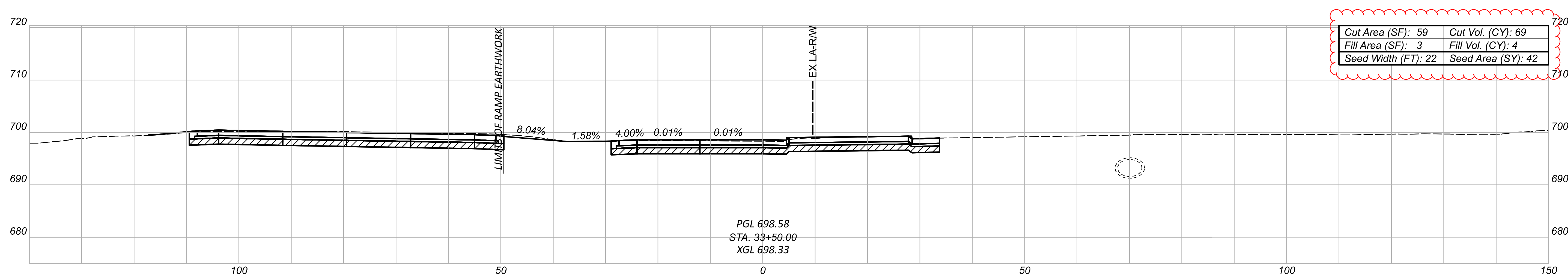
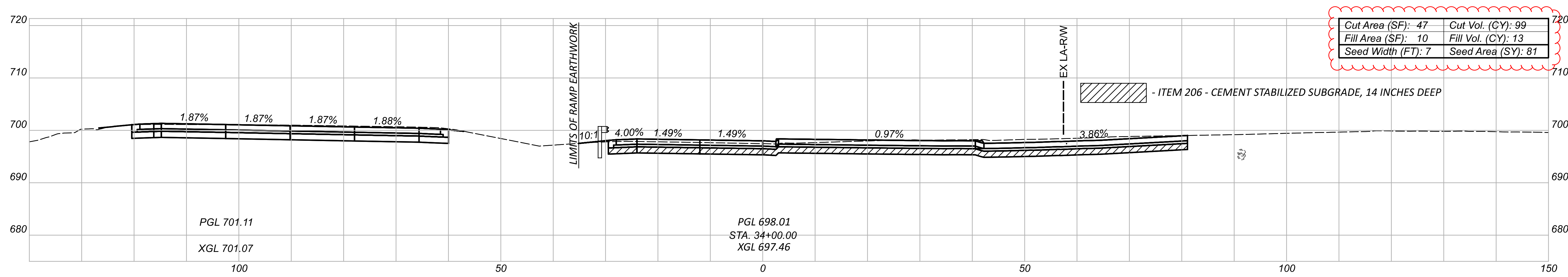
IR 90 EB

CROSS REFERENCES:

DESCRIPTION	SHEET NO
DRAINAGE PROFILES	P.1068-P.1149

PROFILE SHEET - IR 90  
 STA 760+00.00 TO STA 772+00.00

DESIGN AGENCY	STRUCTUREPOINT
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	TOTAL
P.0424	P.1587



CROSS SECTIONS - RAMP HA (HILLIARD BLVD TO IR 90 EB)  
 STA 33+16.99 TO STA 34+00.00

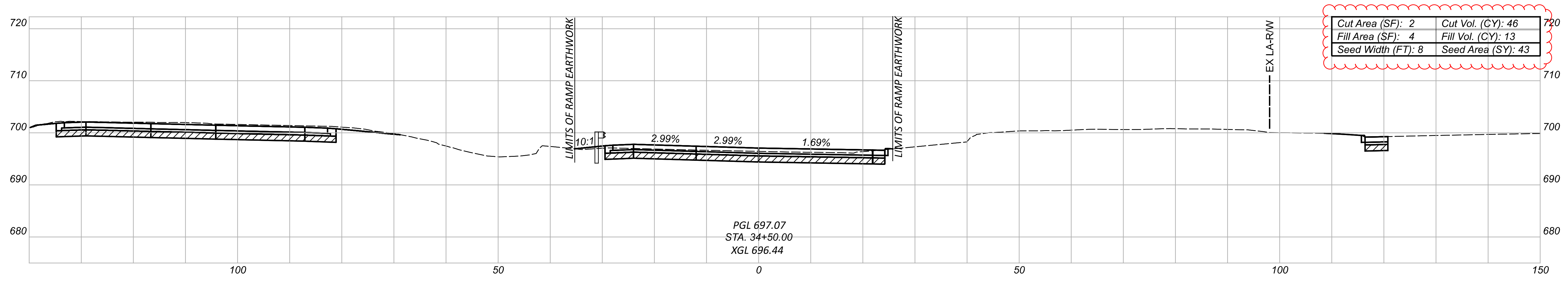
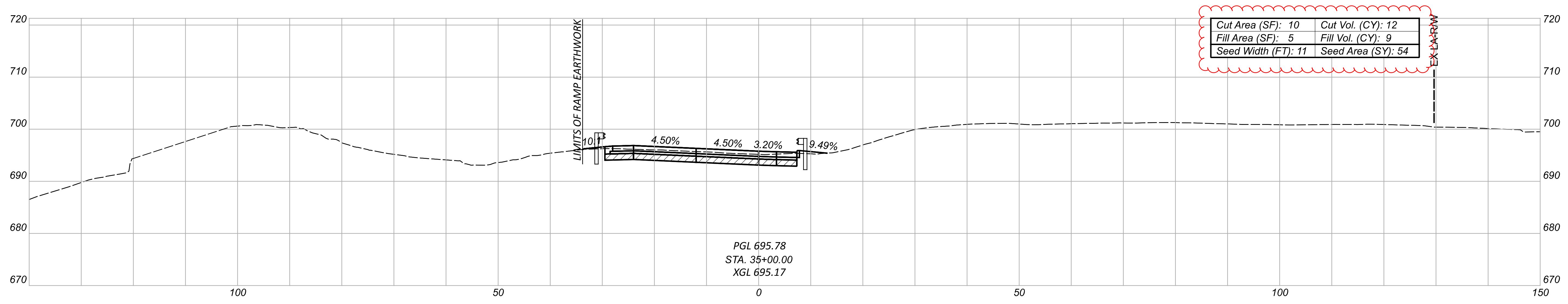
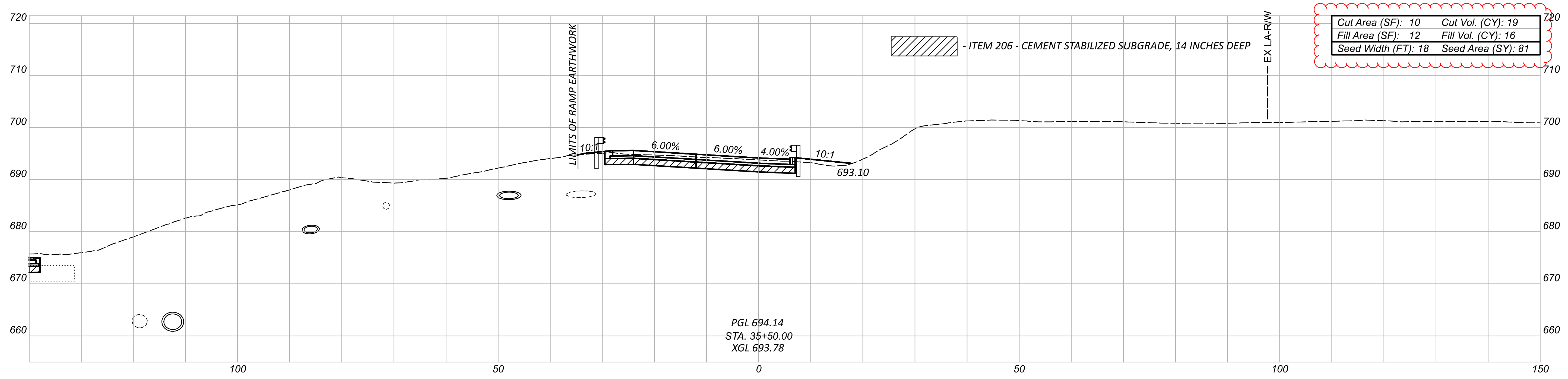
DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY ENGINEERING

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill	P.0804	P.1587
123	121	14		



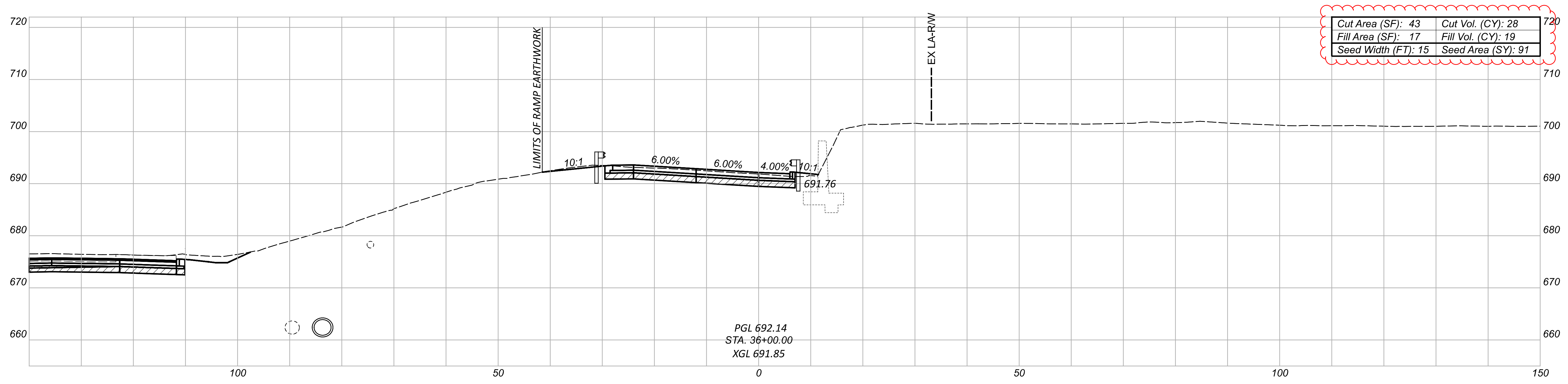
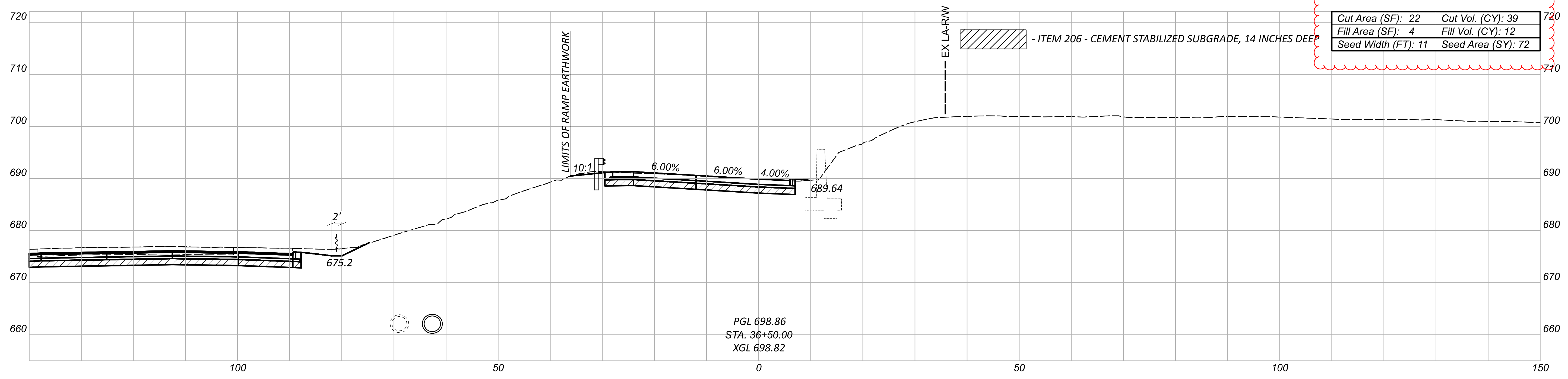
CROSS SECTIONS - RAMP HA (HILLIARD BLVD TO IR 90 EB)  
 STA 34+50.00 TO STA 35+50.00

DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY ENGINEERING

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	TOTAL
178	77	38	P.0805 P.1587

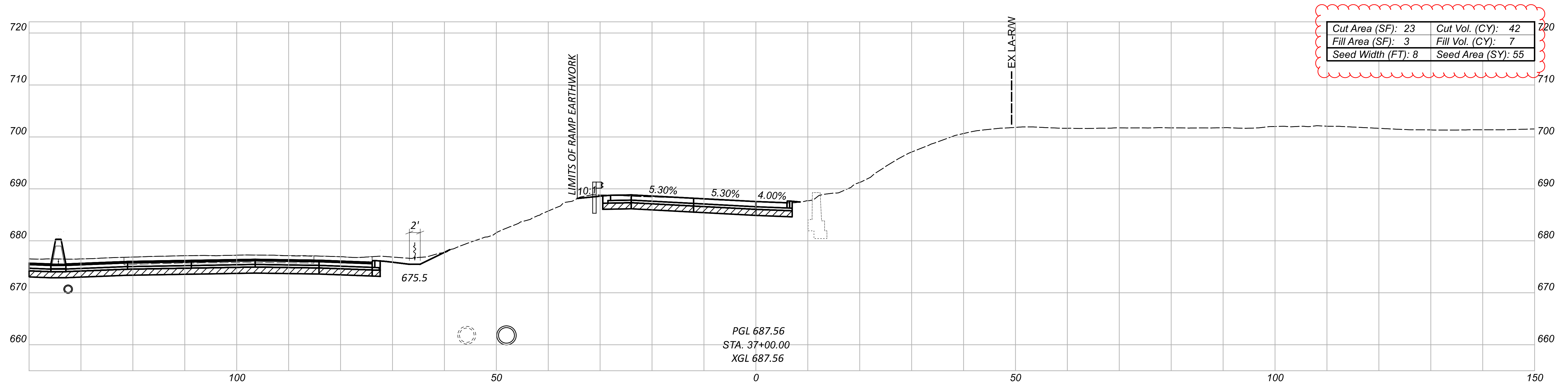
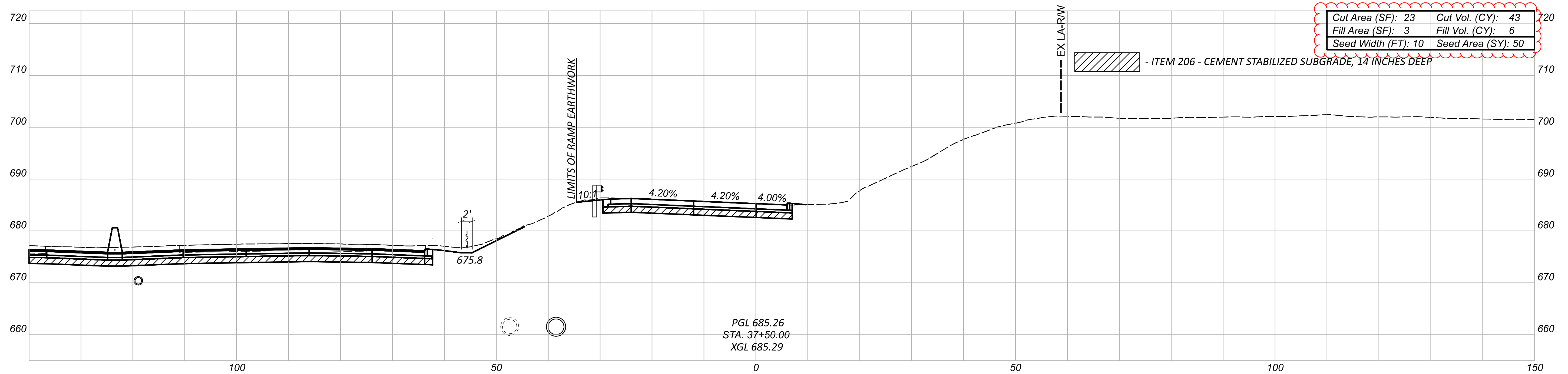


CROSS SECTIONS - RAMP HA (HILLIARD BLVD TO IR 90 EB)  
 STA 36+00.00 TO STA 36+50.00



DESIGNER: CNK  
 REVIEWER: VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
163	67	31	P.0806 P.1587



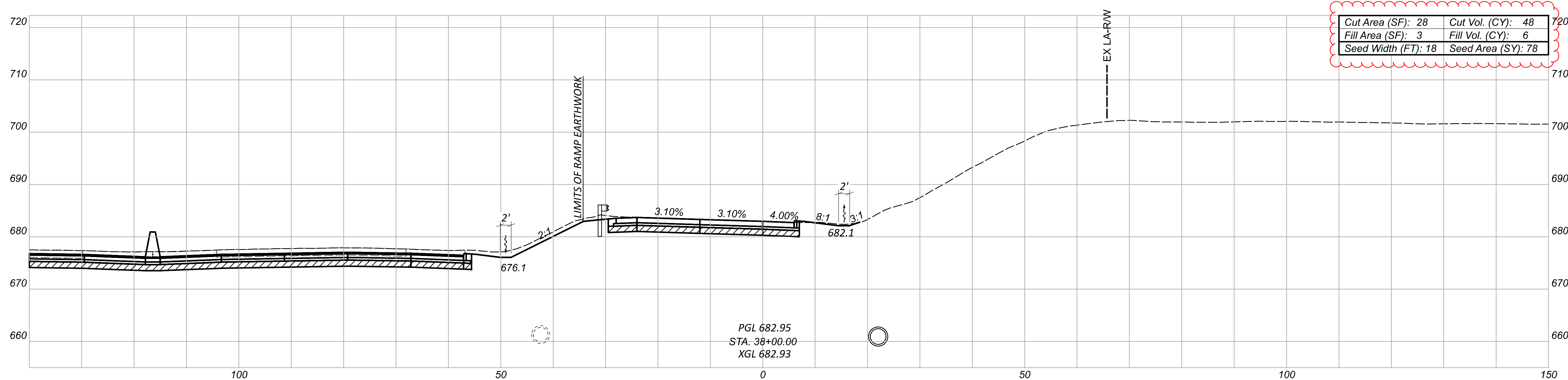
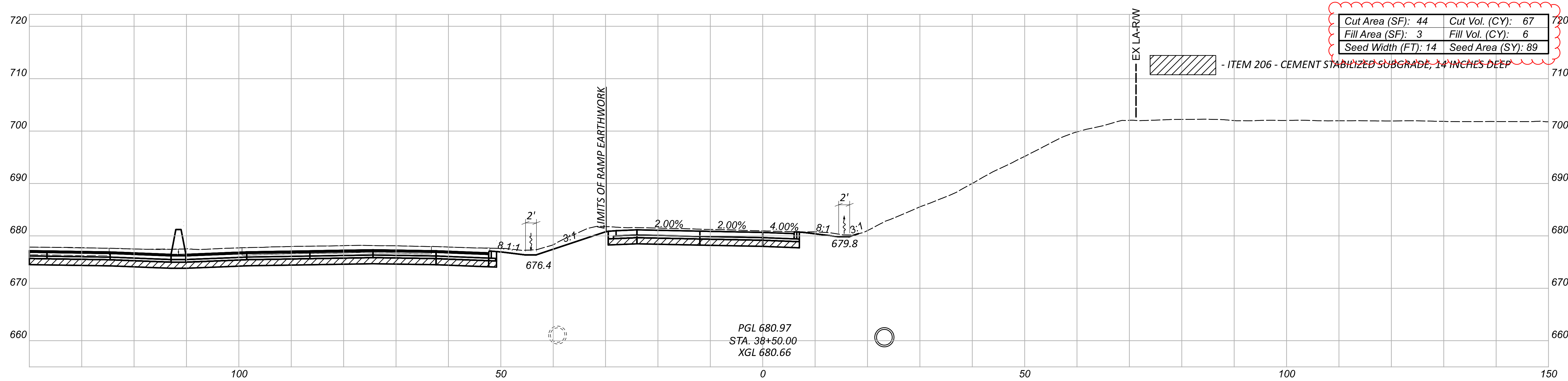
CROSS SECTIONS - RAMP HA (HILLIARD BLVD TO IR 90 EB)  
 STA 37+00.00 TO STA 37+50.00

DESIGN AGENCY  
 300 HUNGE STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY  
 ENGINEERS

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
104	85	13	P.0807 P.1587



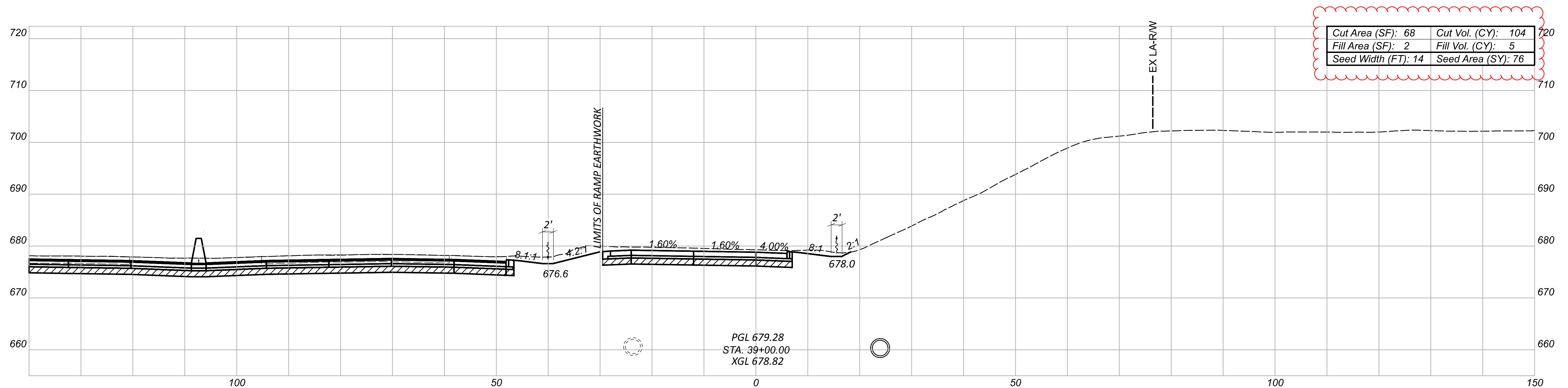
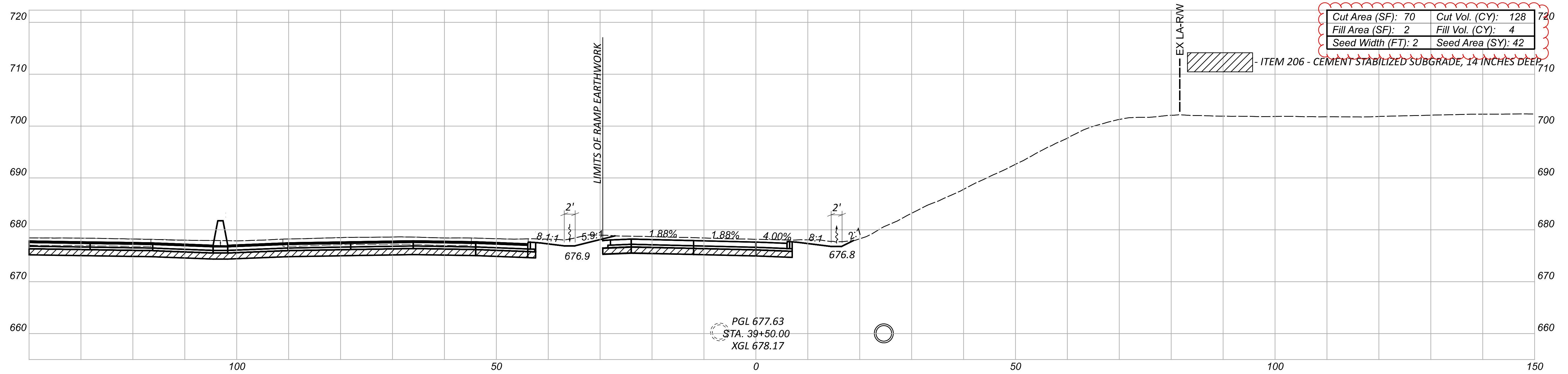
CROSS SECTIONS - RAMP HA (HILLIARD BLVD TO IR 90 EB)  
 STA 38+00.00 TO STA 38+50.00

DESIGN AGENCY  
 200 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY  
 ENGINEERS

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
167	115	12	P.0808 P.1587



CROSS SECTIONS - RAMP HA (HILLIARD BLVD TO IR 90 EB)  
 STA 39+00.00 TO STA 39+50.00

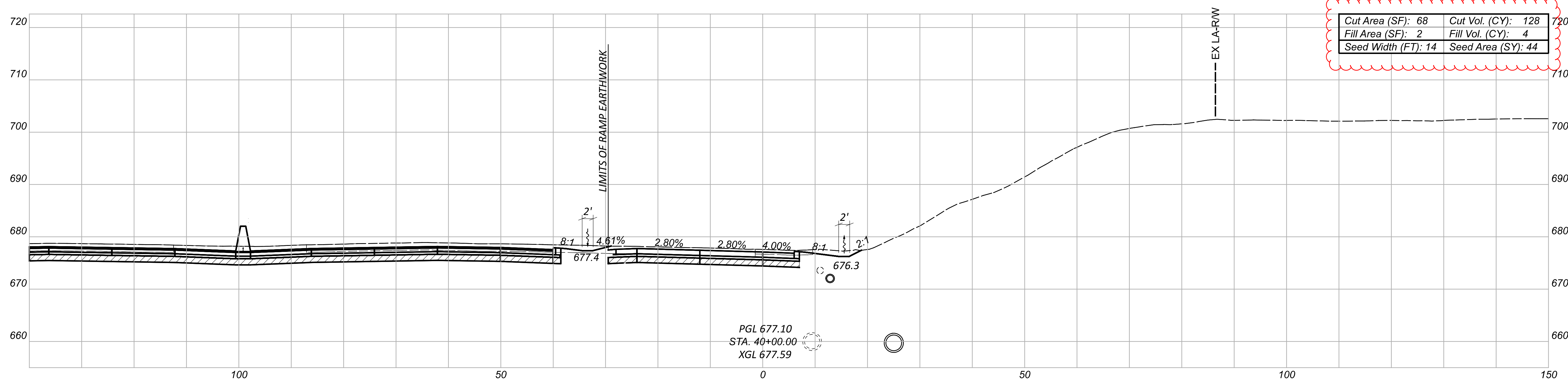
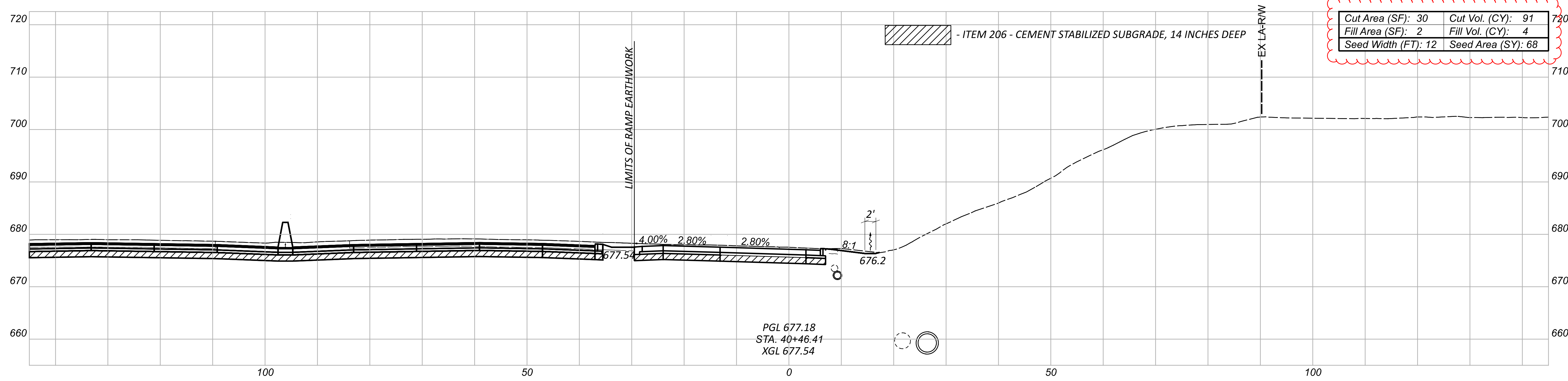
DESIGN AGENCY  
 200 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY  
 ENGINEERS

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
117	232	9	P.0809 P.1587





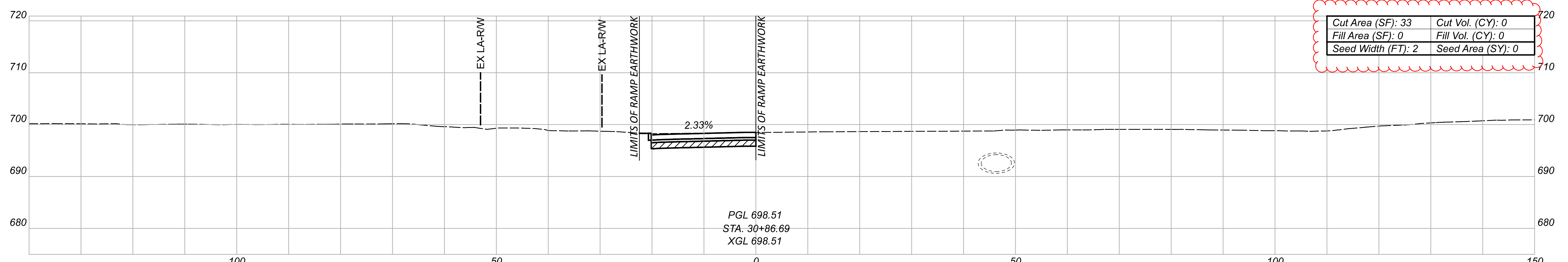
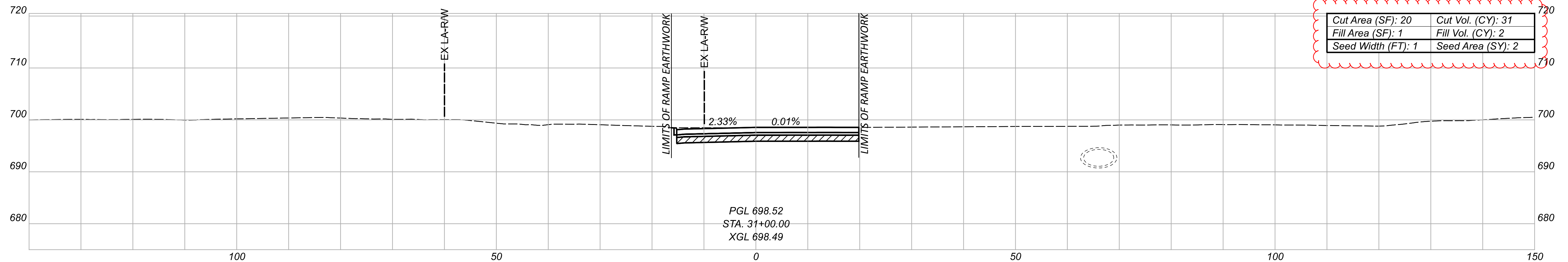
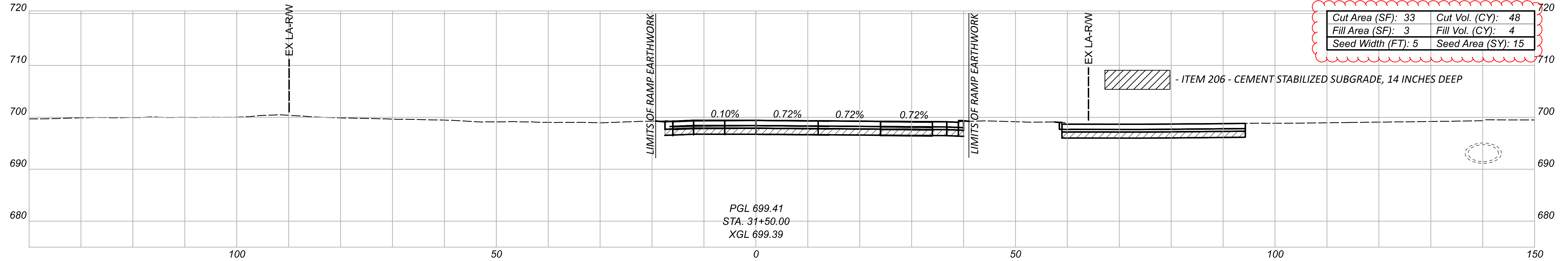
CROSS SECTIONS - RAMP HA (HILLIARD BLVD TO IR 90 EB)  
 STA 40+00.00 TO STA 40+46.01

DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY  
 ENGINEERS

DESIGNER  
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REVIEWER  
 VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
112	219	8	P.0810 P.1587



CROSS SECTIONS - RAMP HB (IR 90 WB TO HILLIARD BLVD)  
 STA 30+86.69 TO STA 31+50.00

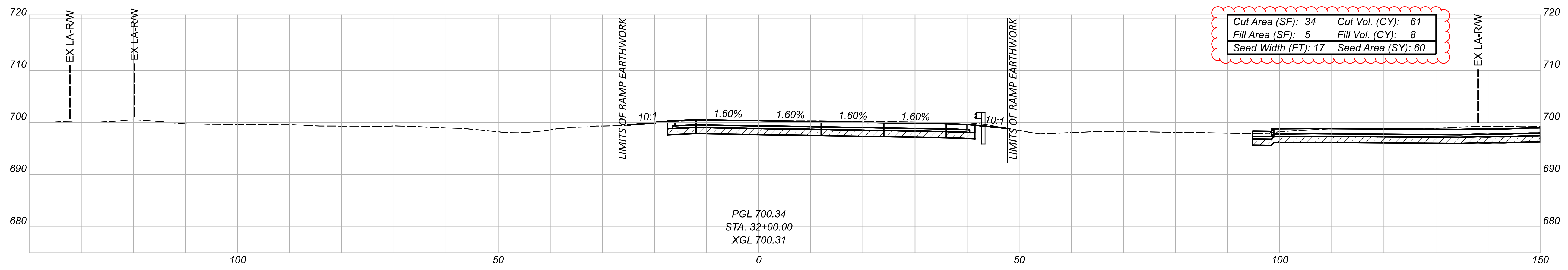
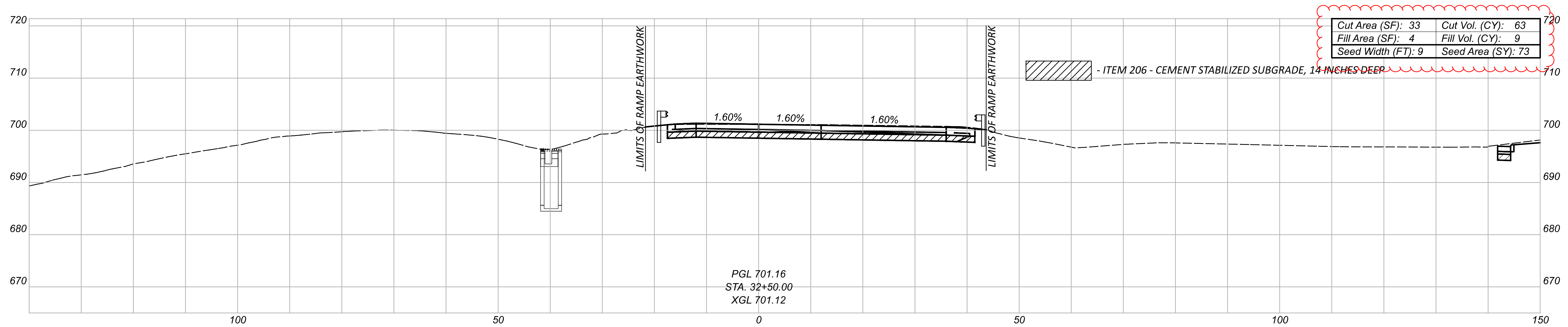


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 VDK 08/09/23

PROJECT ID  
 76779

Sheet Totals			2
Seeding	Cut	Fill	TOTAL
1:7	79	6	P.0811   P.1587



CROSS SECTIONS - RAMP HB (IR 90 WB TO HILLIARD BLVD)  
 STA 32+00.00 TO STA 32+50.00

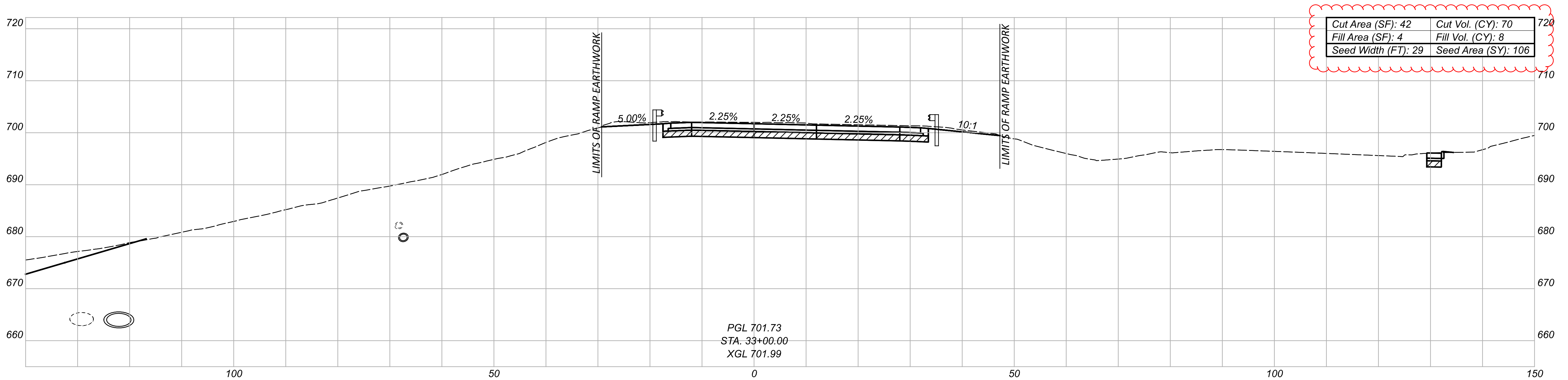
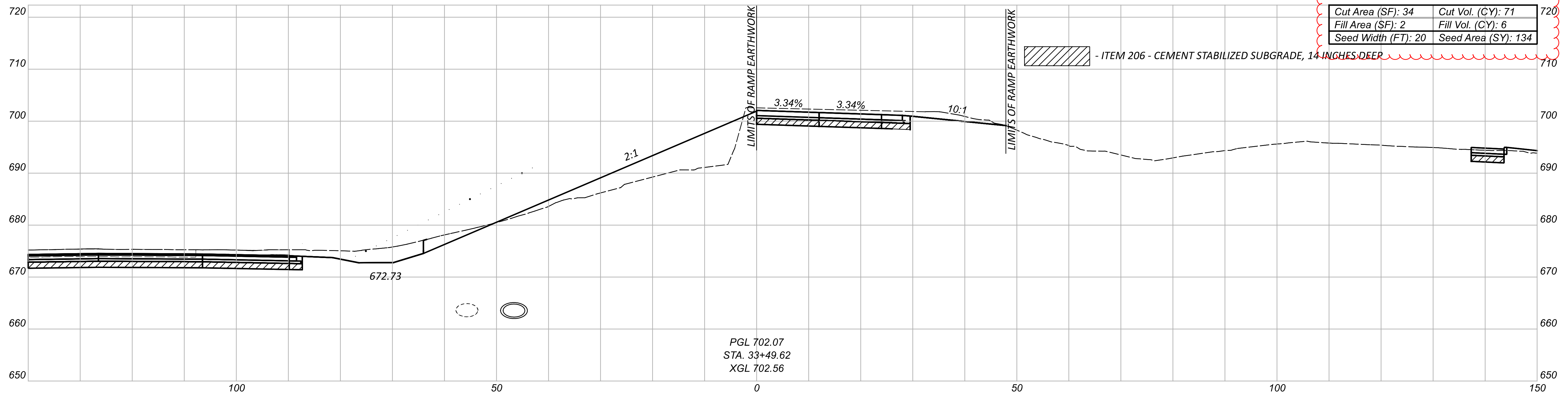


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REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.0812	P.1587
134	124	17		



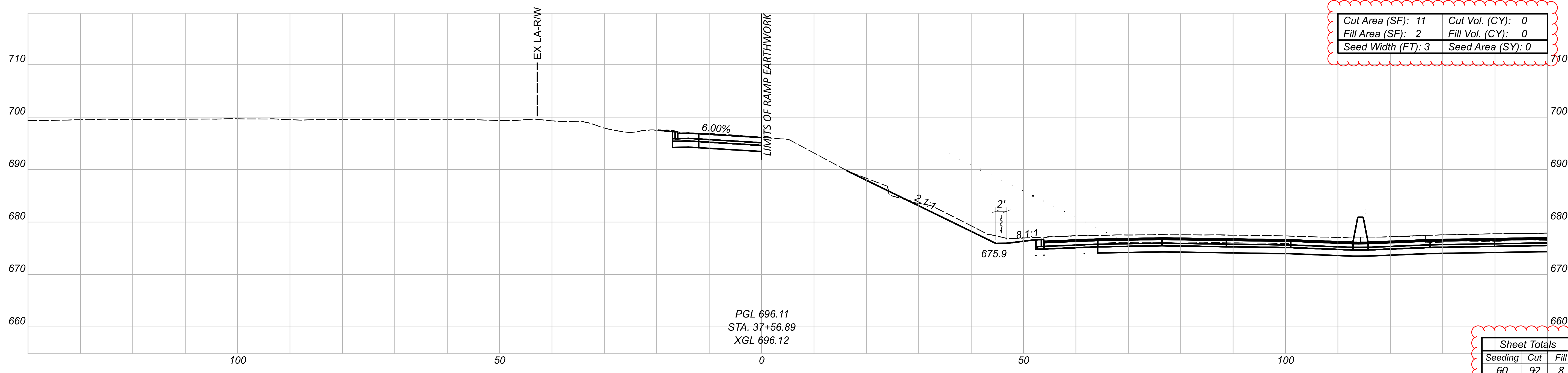
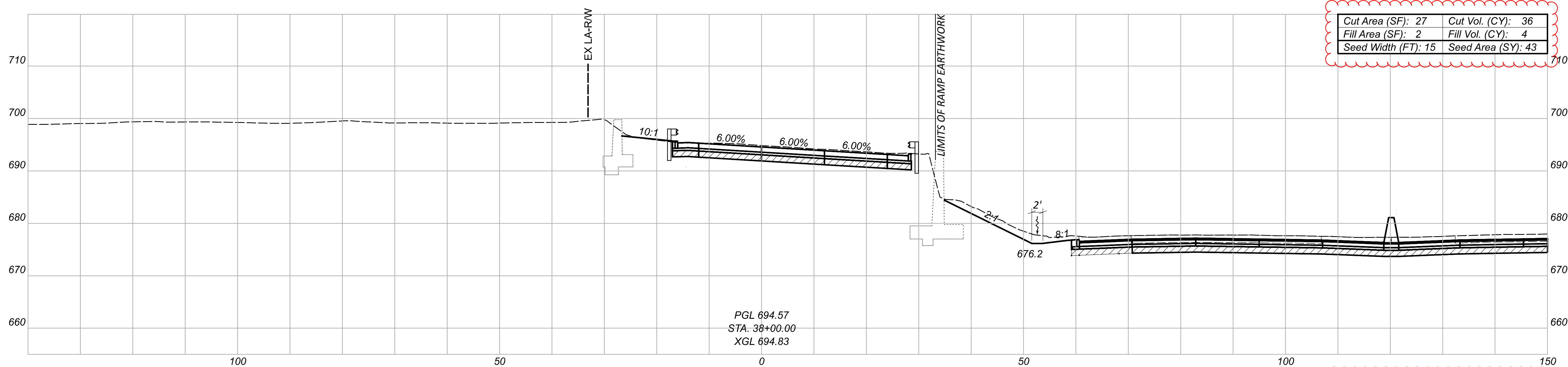
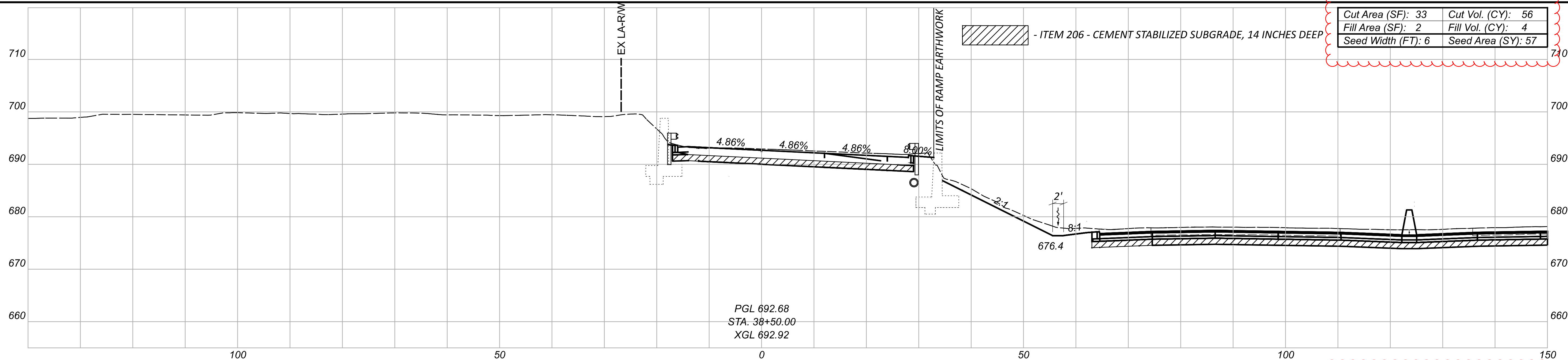
CROSS SECTIONS - RAMP HB (IR 90 WB TO HILLIARD BLVD)  
 STA 33+00.00 TO STA 33++49.62



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 VDK 08/09/23

PROJECT ID  
 76779

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.0813	P.1587
240	141	14		



Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
60	92	8	P.0814   P.1587

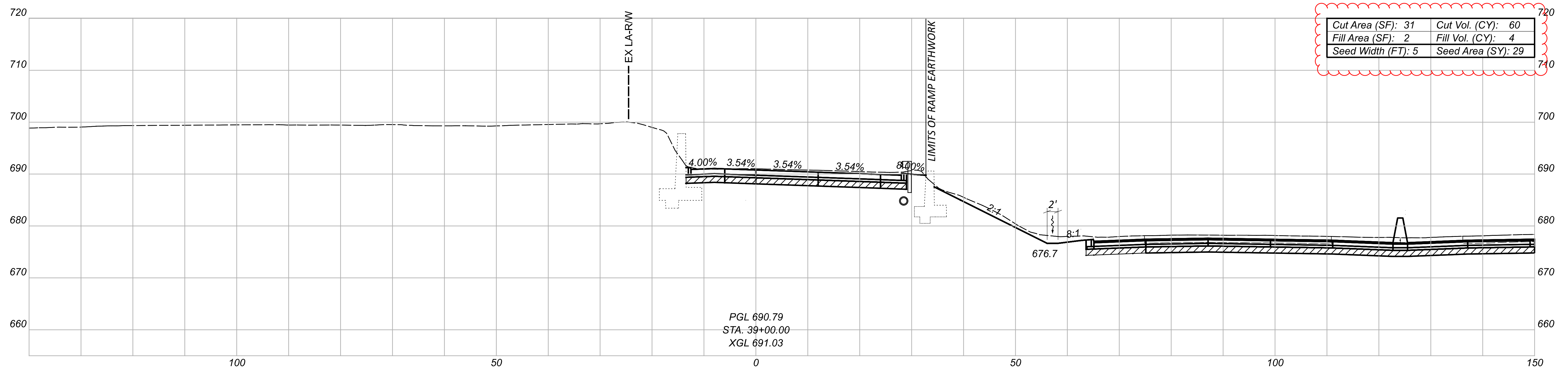
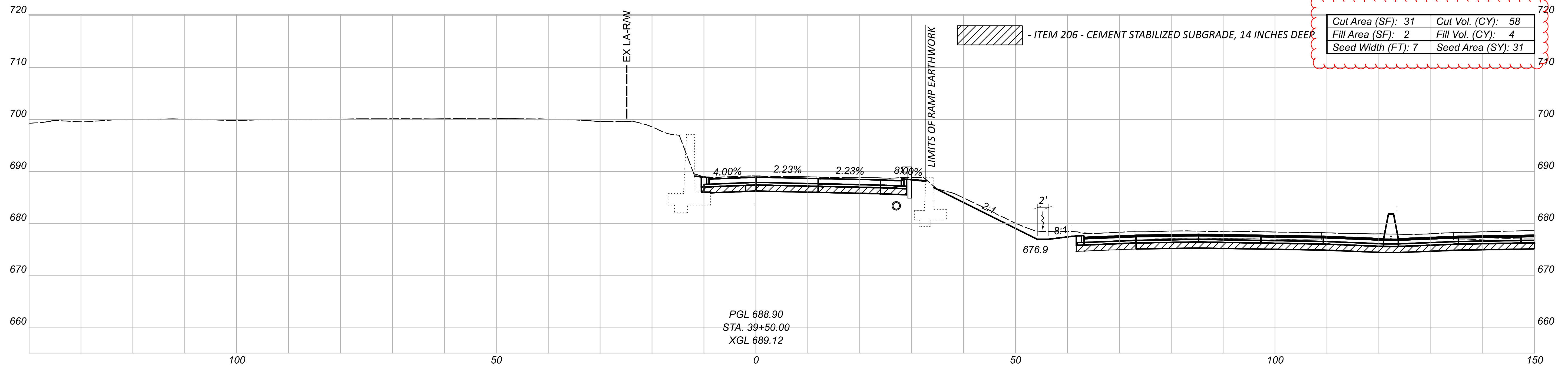
CROSS SECTIONS - RAMP HB (IR 90 WB TO HILLIARD BLVD)  
 STA 37+56.89 TO STA 38+50.00

DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY ENGINEERING

DESIGNER  
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REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779



Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
60	118	8	P.0815   P.1587

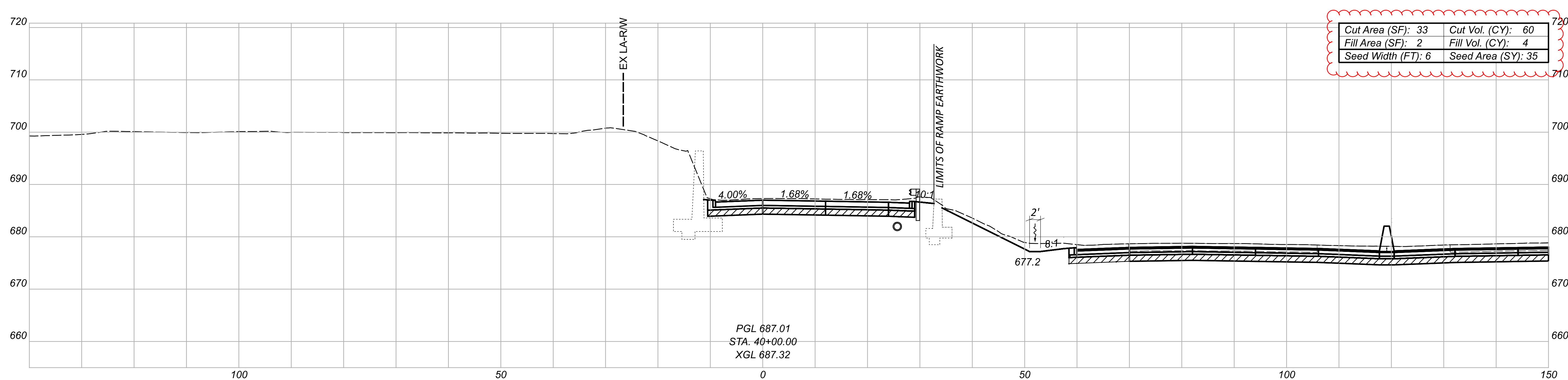
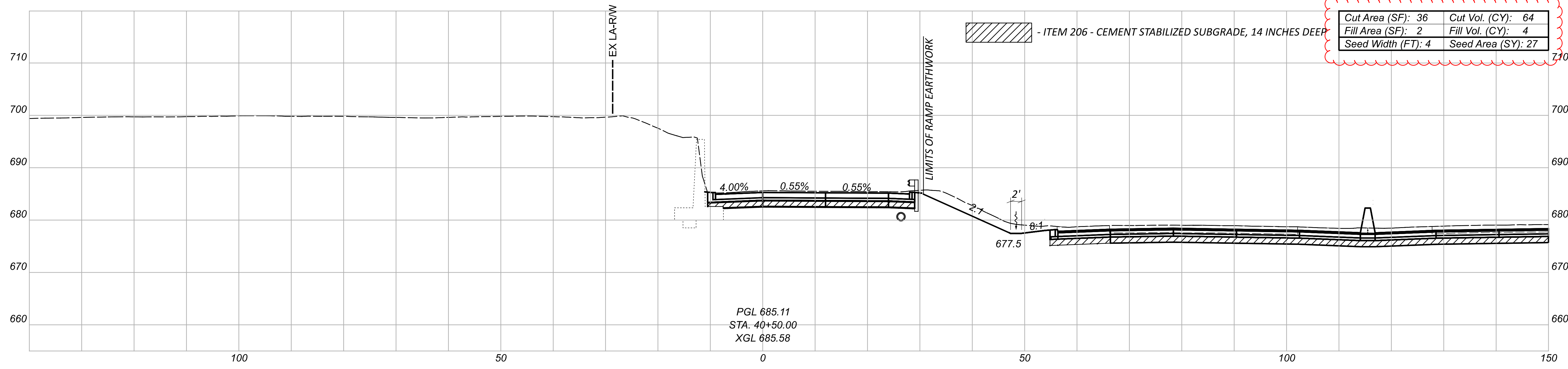
CROSS SECTIONS - RAMP HB (IR 90 WB TO HILLIARD BLVD)  
 STA 39+00.00 TO STA 39+50.00

DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY ENGINEERING  
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REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779



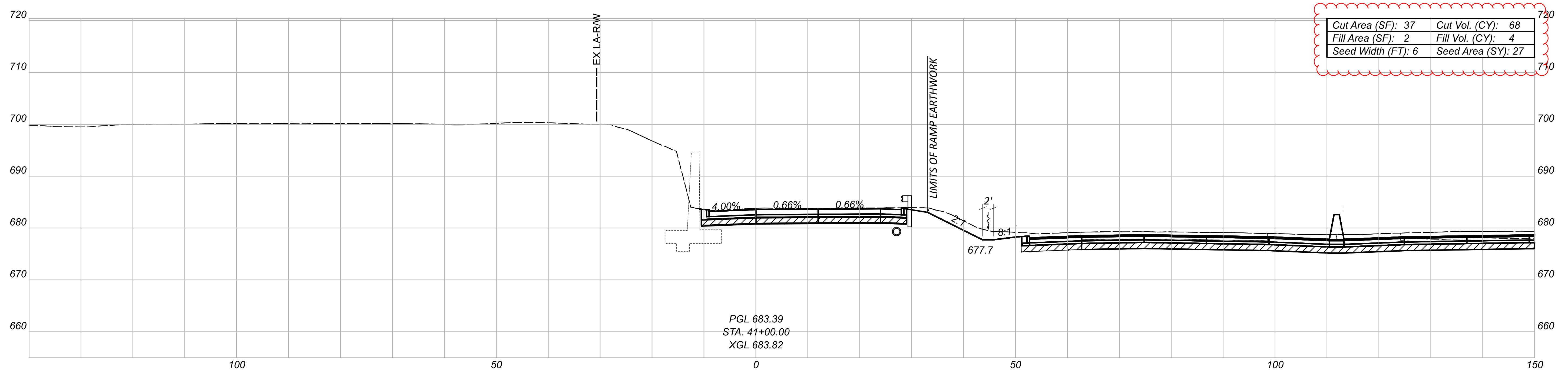
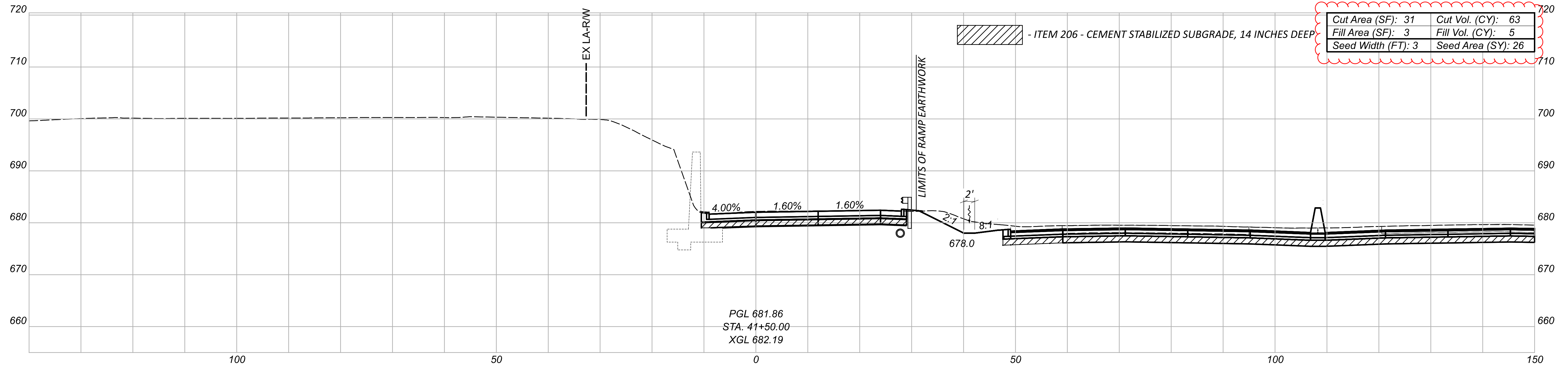
CROSS SECTIONS - RAMP HB (IR 90 WB TO HILLIARD BULD)  
 STA 40+00.00 TO STA 40+50.00

DESIGN AGENCY  
 300 HUNLICK STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY ENGINEERING

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 REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779  
 SHEET TOTAL  
 P.0816 P.1587

Sheet Totals		
Seeding	Cut	Fill
62	125	8



CROSS SECTIONS - RAMP HB (IR 90 WB TO HILLIARD BLVD)  
 STA 41+00.00 TO STA 41+50.00

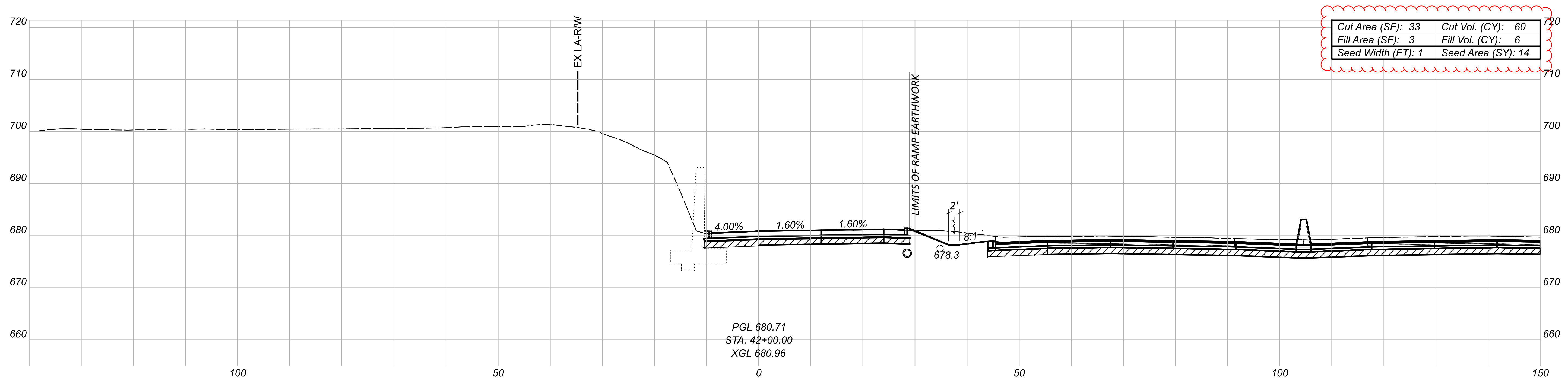
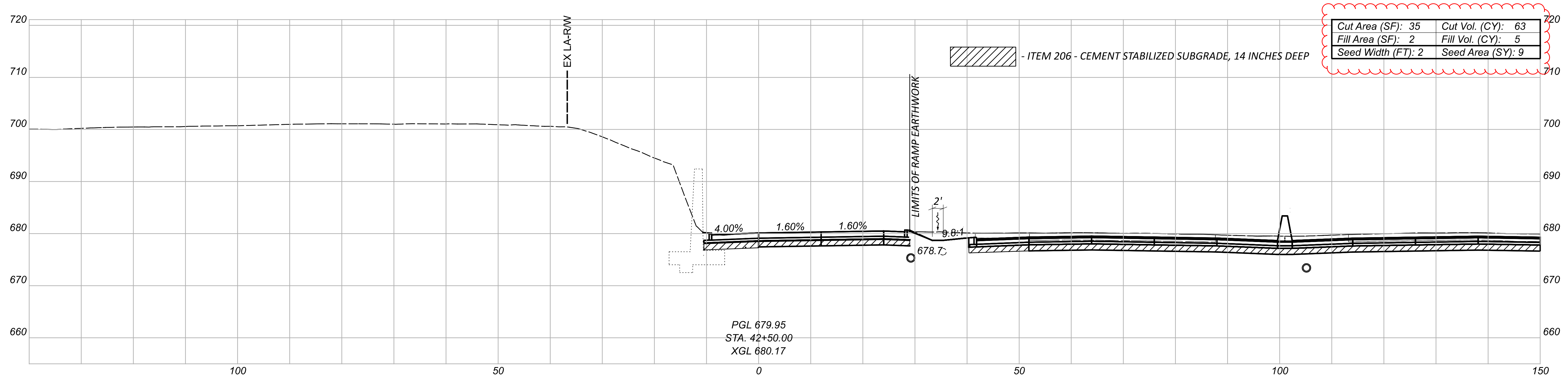


DESIGNER: CNK  
 REVIEWER: VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
53	131	9	P.0817 P.1587

PROJECT ID: 76779





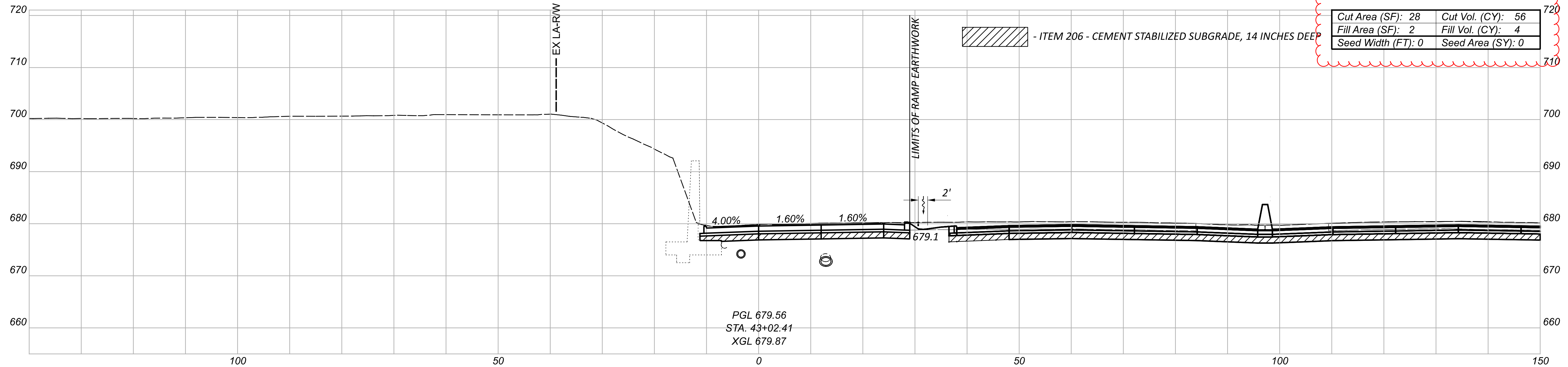
CROSS SECTIONS - RAMP HB (IR 90 WB TO HILLIARD BLVD)  
 STA 42+00.00 TO STA 42+50.00

DESIGN AGENCY  
 200 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY ENGINEERING

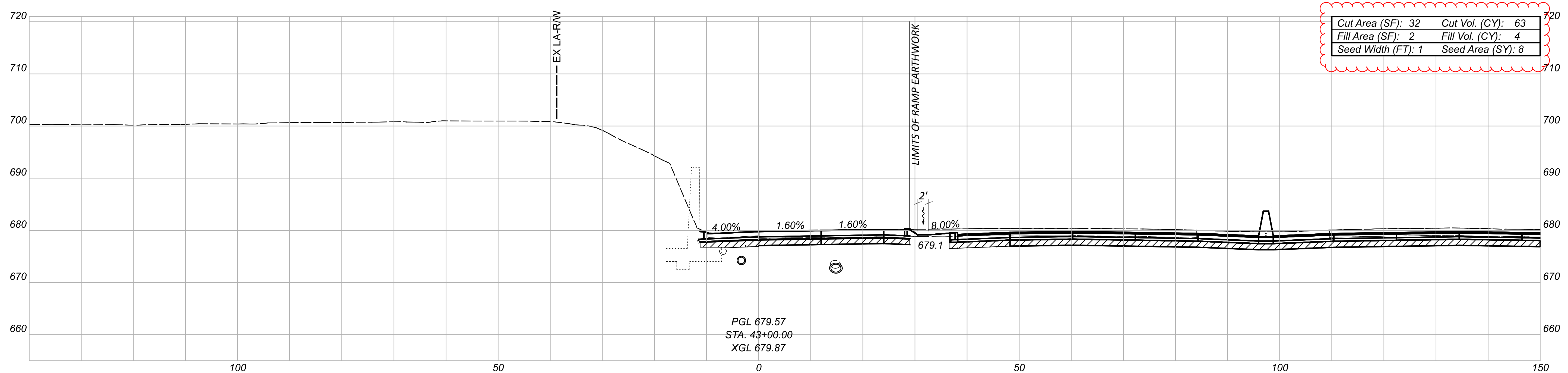
DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
22	123	11	P.0818 P.1587



PGL 679.56  
 STA. 43+02.41  
 XGL 679.87



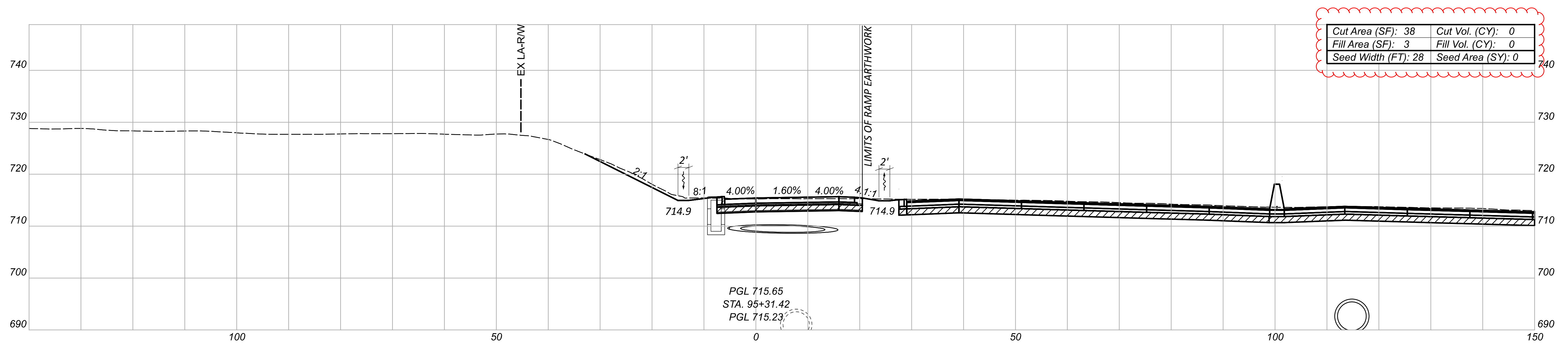
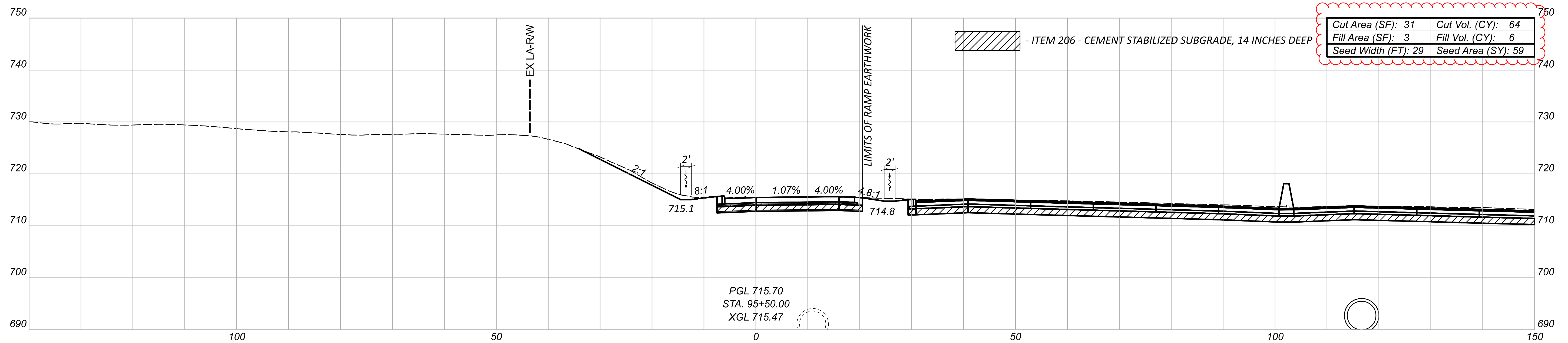
PGL 679.57  
 STA. 43+00.00  
 XGL 679.87

CROSS SECTIONS - RAMP HB (IR 90 WB TO HILLIARD BLVD)  
 STA 43+00.00 TO STA 43+02.41



DESIGNER: CNK  
 REVIEWER: VDK 08/09/23

Sheet Totals			PROJECT ID
Seeding	Cut	Fill	76779
9	119	8	SHEET TOTAL
			P.0819 P.1587



CROSS SECTIONS - RAMP MC (MCKINLEY AVE TO IR 90 WB)  
 STA 95+31.42 TO STA 95+50.00

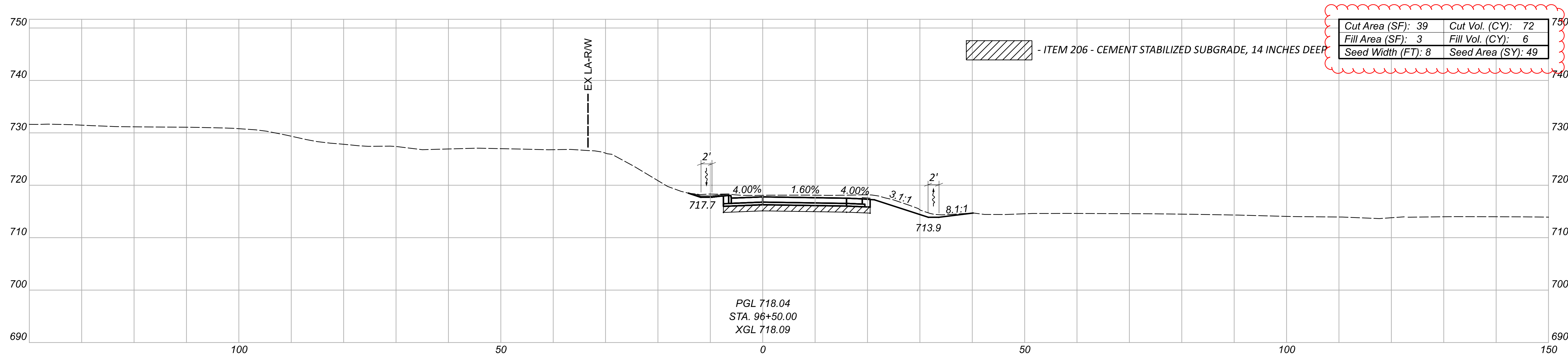
DESIGN AGENCY  
 200 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY  
 ENGINEERS

DESIGNER  
 CNK  
 REVIEWER

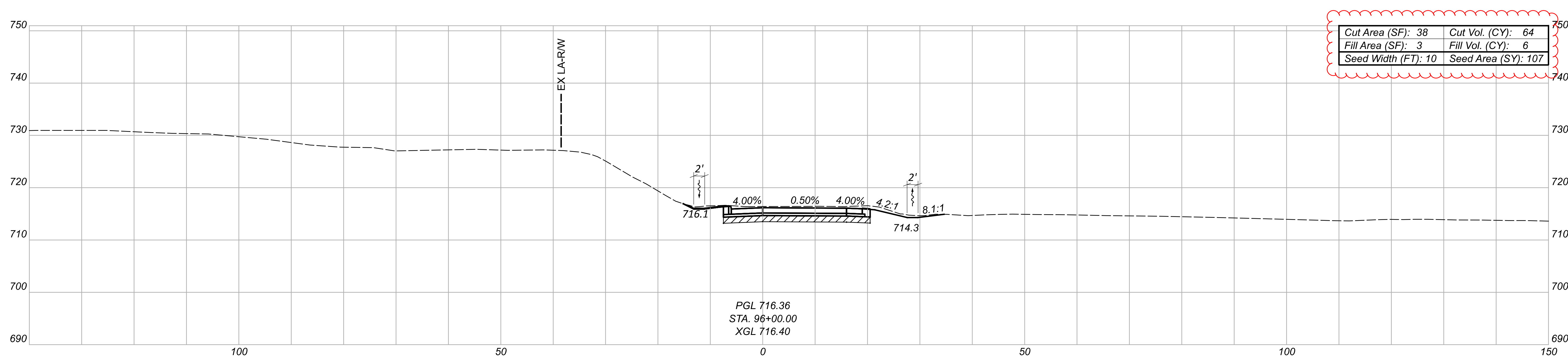
VDK 08/09/23

PROJECT ID  
 76779

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.0820	P.1587
59	64	6		



Cut Area (SF): 39	Cut Vol. (CY): 72
Fill Area (SF): 3	Fill Vol. (CY): 6
Seed Width (FT): 8	Seed Area (SY): 49



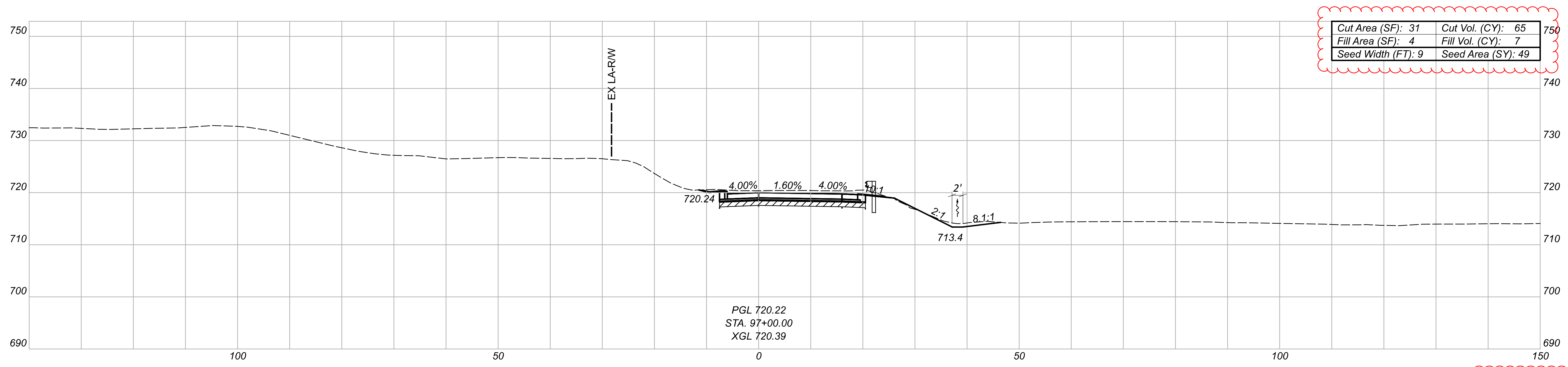
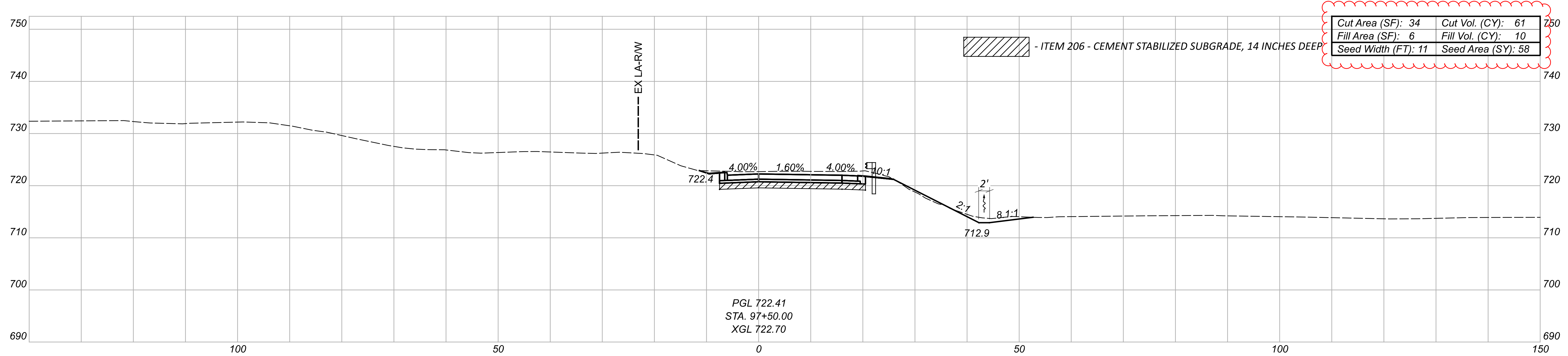
Cut Area (SF): 38	Cut Vol. (CY): 64
Fill Area (SF): 3	Fill Vol. (CY): 6
Seed Width (FT): 10	Seed Area (SY): 107

CROSS SECTIONS - RAMP MC (MCKINLEY AVE TO IR 90 WB)  
 STA 96+00.00 TO STA 96+50.00



DESIGNER: CNK  
 REVIEWER: VDK  
 PROJECT ID: 03-25-22

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
156	136	12	P.0821 P.1217



CROSS SECTIONS - RAMP MC (MCKINLEY AVE TO IR 90 WB)  
STA 97+00.00 TO STA 97+50.00

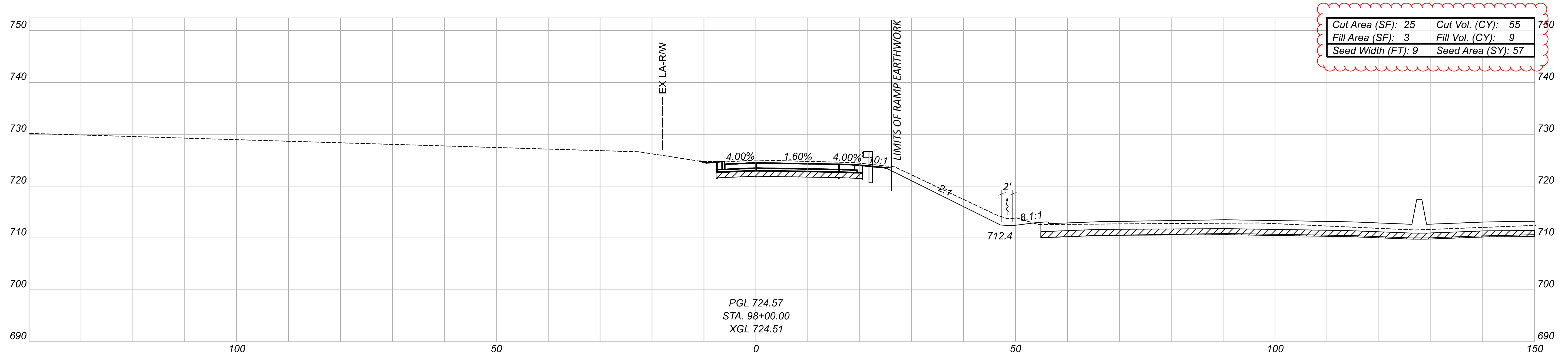
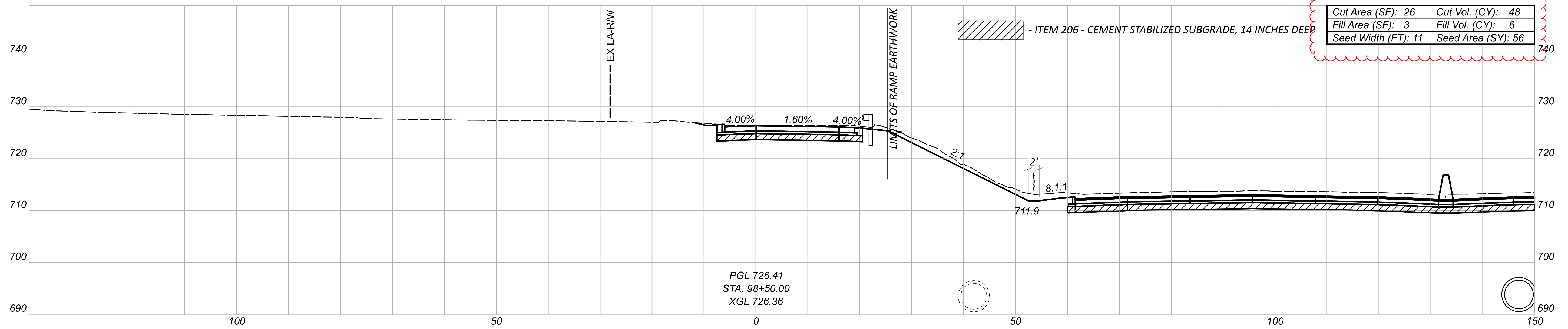
DESIGN AGENCY  
 200 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY  
 ENGINEERS

DESIGNER  
 CNK

REVIEWER  
 /DK 03-25-22

PROJECT ID  
 76779

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
107	126	17	P.0822 P.1217



Sheet Totals			PROJECT ID	
Seeding	Cut	Fill	SHEET	TOTAL
113	103	15	P.0823	P.1217

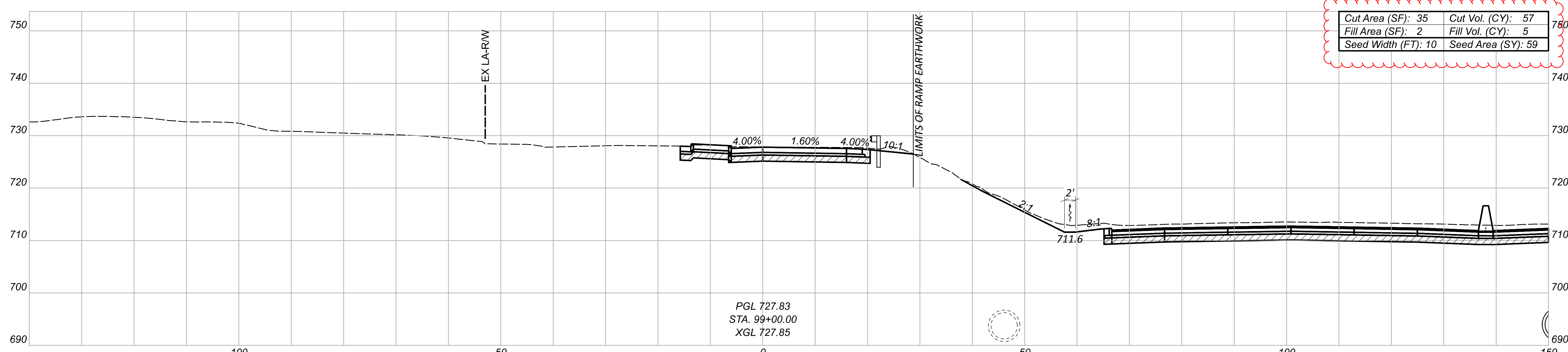
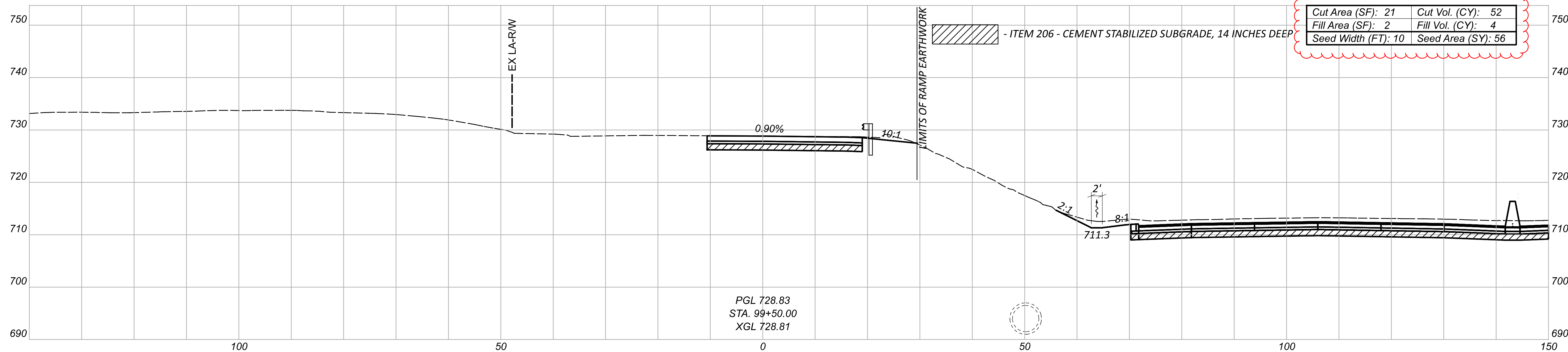
CROSS SECTIONS - RAMP MC (MCKINLEY AVE TO I-90 WB)  
 STA 98+00.00 TO STA 98+50.00

DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY ENGINEERING  
 MOODYENR.COM

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 CNK

REVIEWER  
 VDK 03-25-22

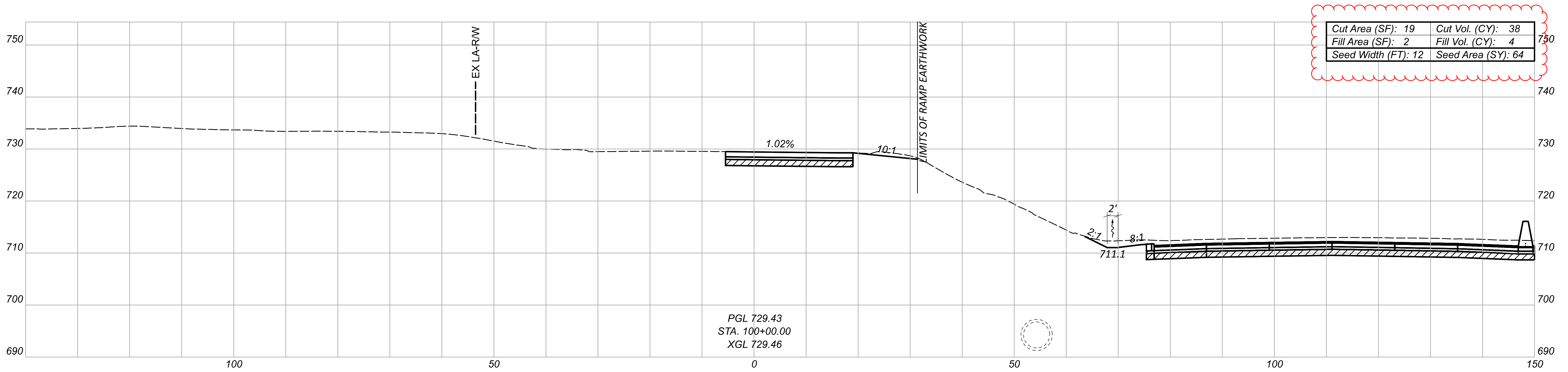
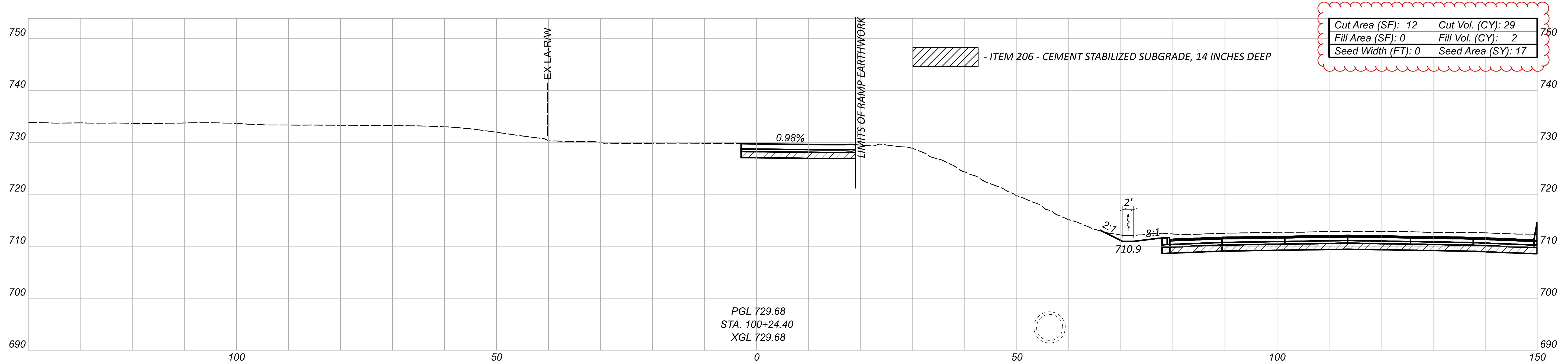
PROJECT ID  
 76779



CROSS SECTIONS - RAMP MC (MCKINLEY AVE TO IR 90 WB)  
 STA 99+00.00 TO STA 99+50.00

DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY  
 ENGINEERS  
 DESIGNER  
 CNK  
 REVIEWER  
 VDK 03-25-22

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
115	109	9	P.0824 P.1217

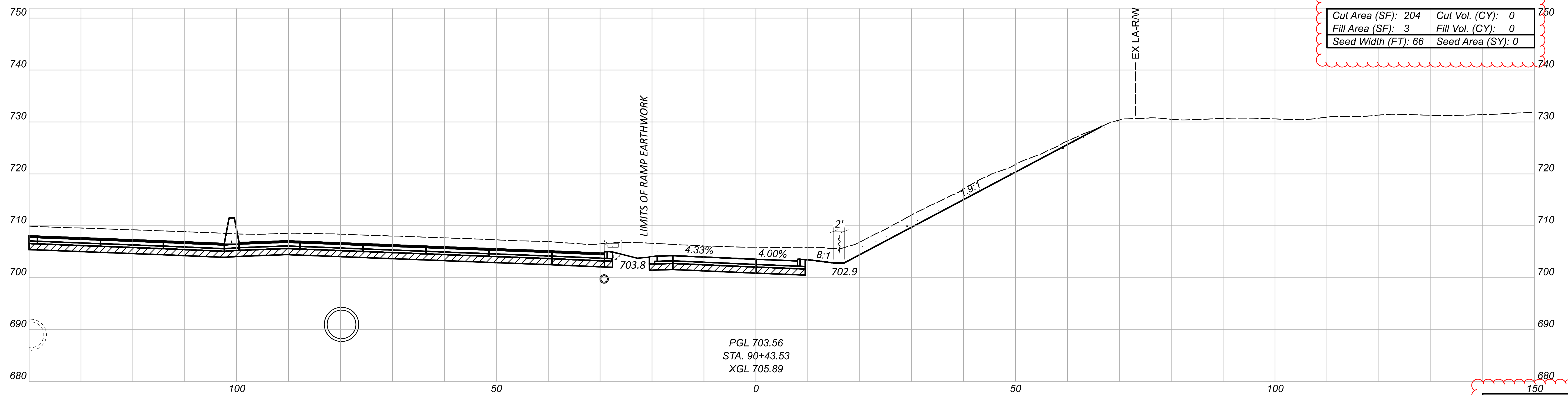
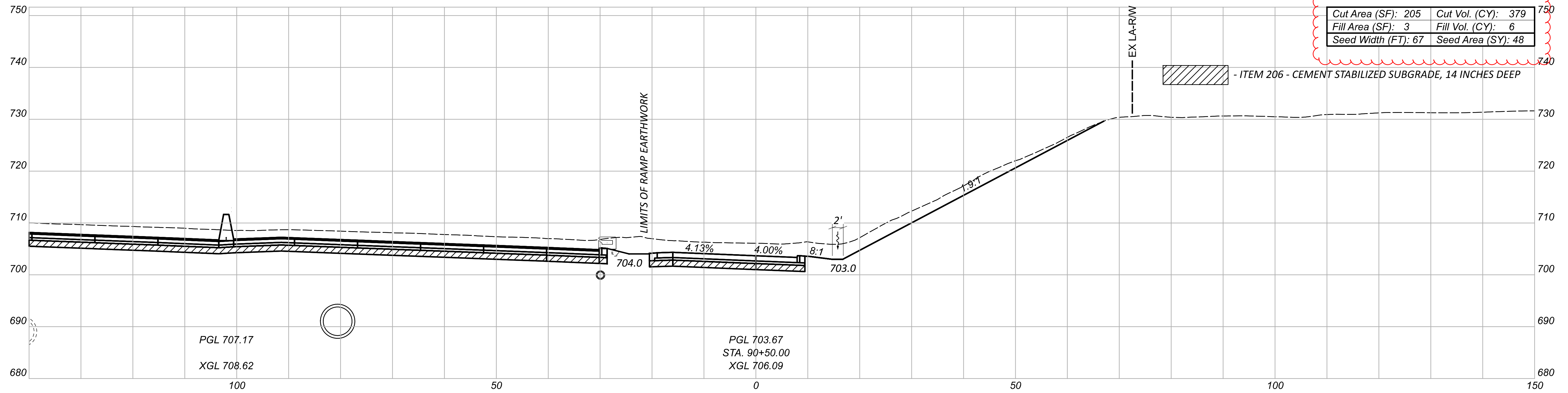


CROSS SECTIONS - RAMP MC (MCKINELY AVE TO IR 90 WB)  
 STA 100+00.00 TO STA 100+24.40

DESIGN AGENCY  
  
 DESIGNER  
 CNK  
 REVIEWER  
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Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
81	67	6	P.0825 P.1587





150		
Sheet Totals	76779	
Seeding	Cut	Fill
48	379	6

CROSS SECTIONS - RAMP MD (IR 90 EB TO MCKINLEY AVE)  
 STA 90+43.53 TO STA 90+50.00

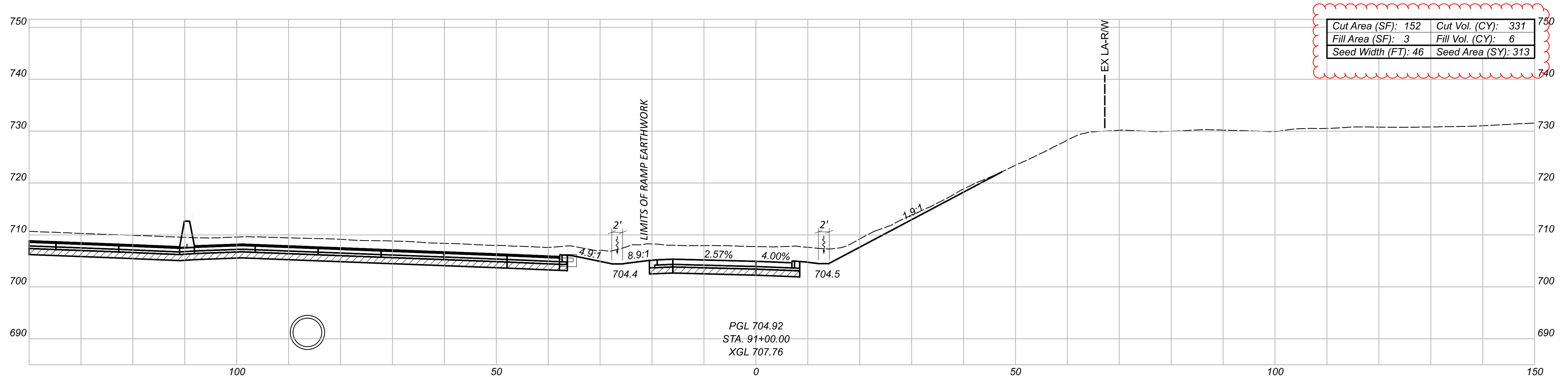
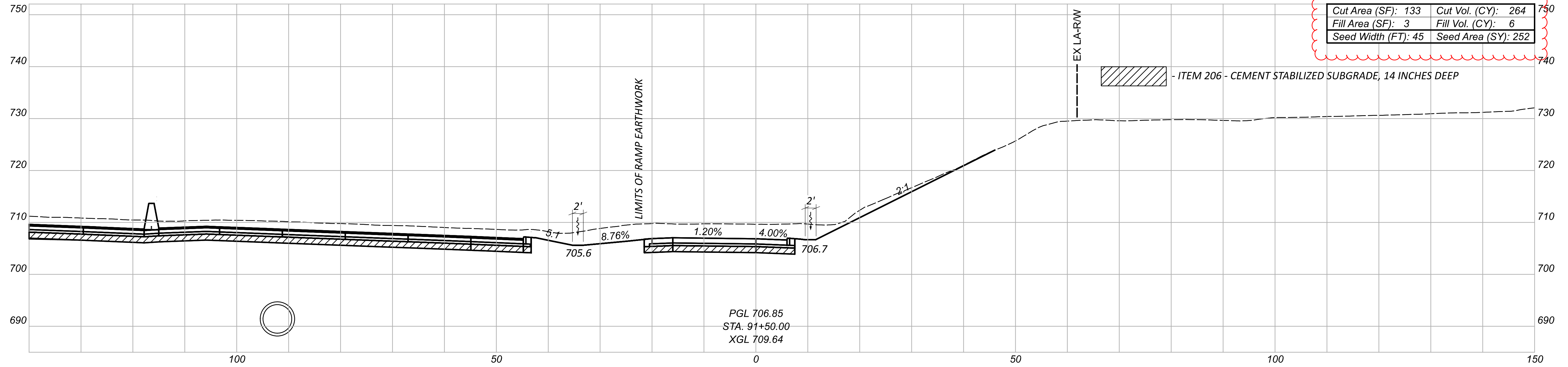
DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY ENGINEERING

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

SHEET TOTAL  
 P.0826 P.1587



CROSS SECTIONS - RAMP MD (IR 90 EB TO MCKINLEY AVE)  
 STA 91+00.00 TO STA 91+50.00

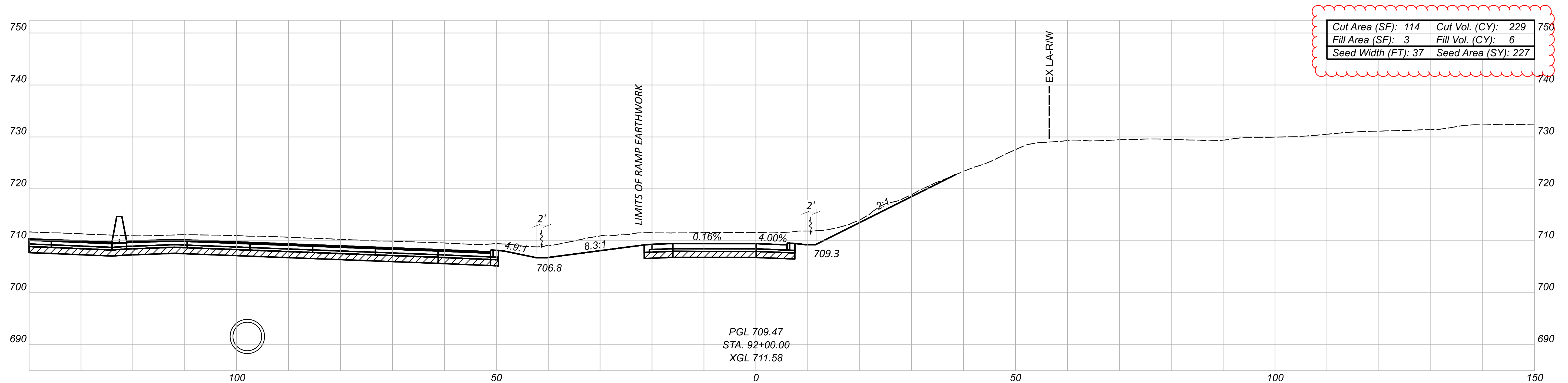
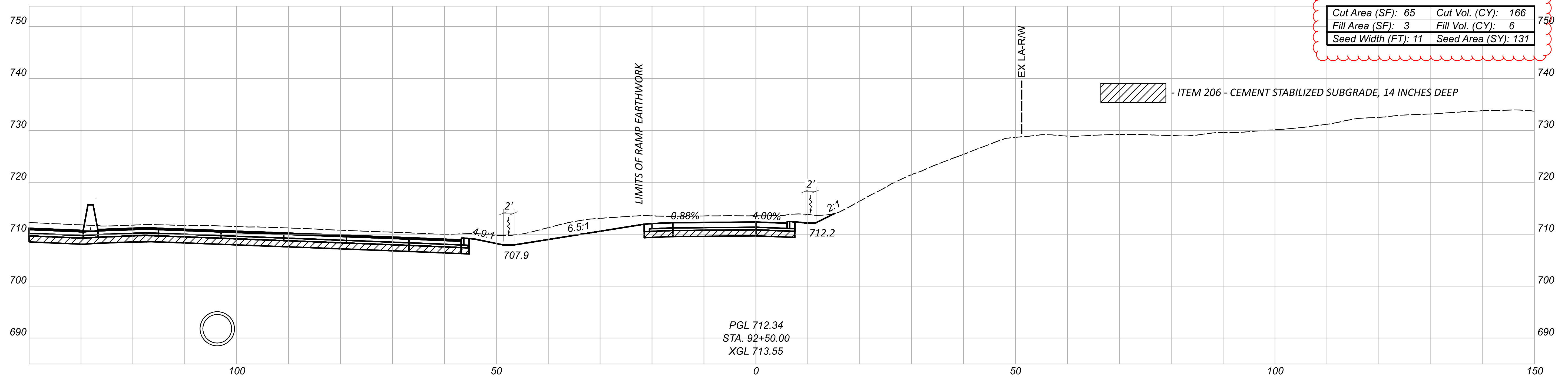


DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

Sheet Totals			PROJECT ID	
SECT	CUT	FILL	SHBT	TOTAL
565	595	12	P.0827	P.1587



CROSS SECTIONS - RAMP MD (IR 90 EB TO MCKINLEY AVE)  
 STA 92+00.00 TO STA 92+50.00



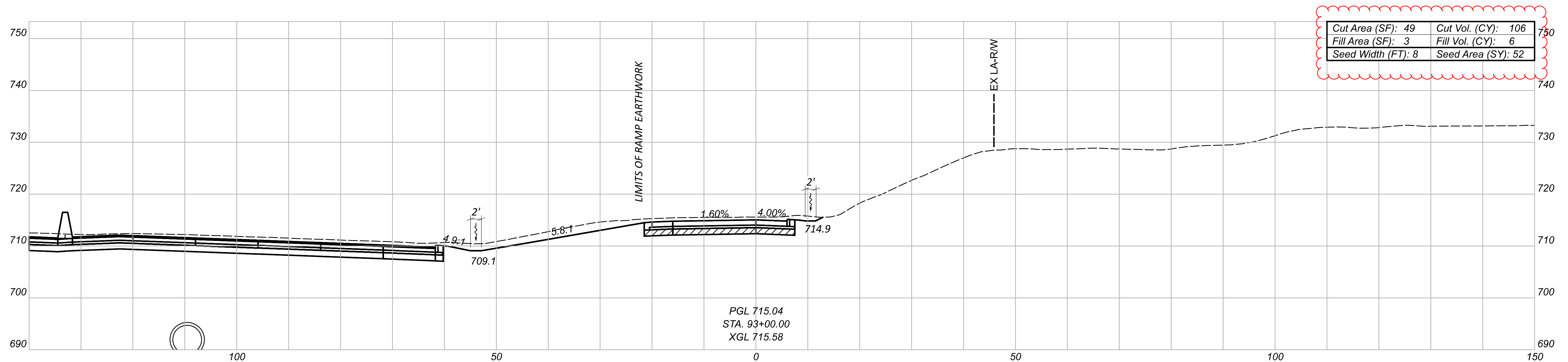
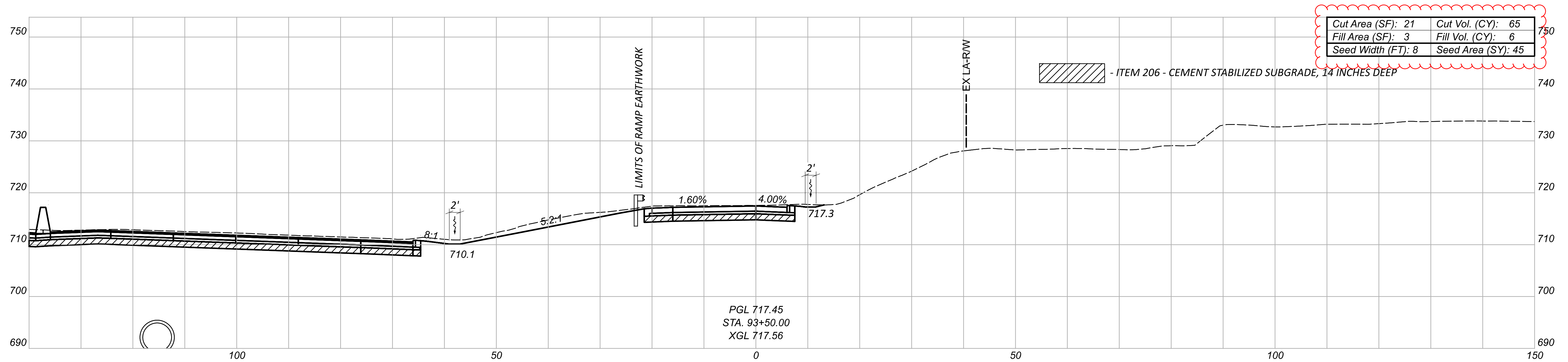
DESIGNER  
 CNK

REVIEWER  
 VDK

DATE  
 08/09/23

PROJECT ID  
 76779

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	P.1587
358	395	12	P.0828	P.1587



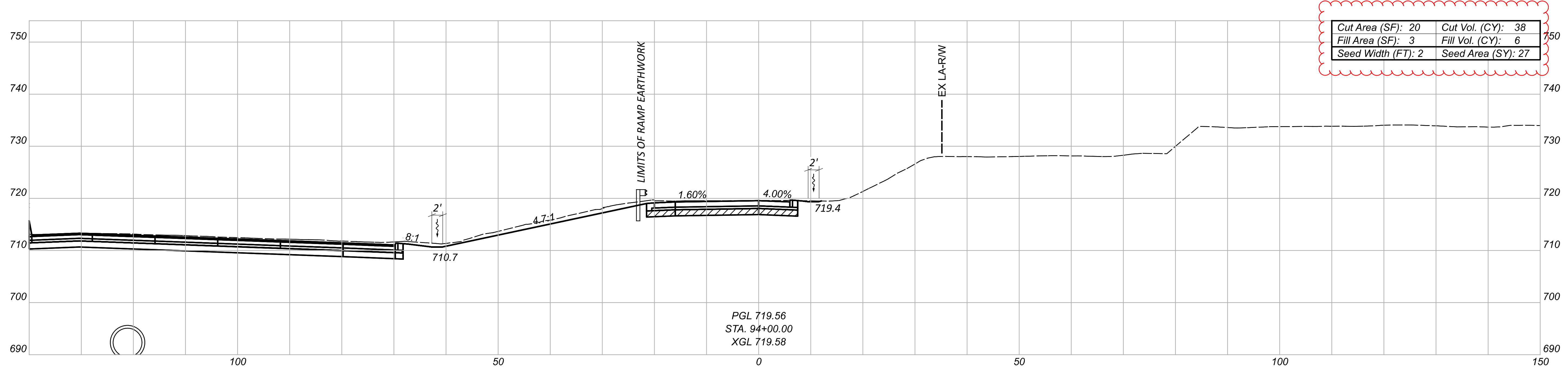
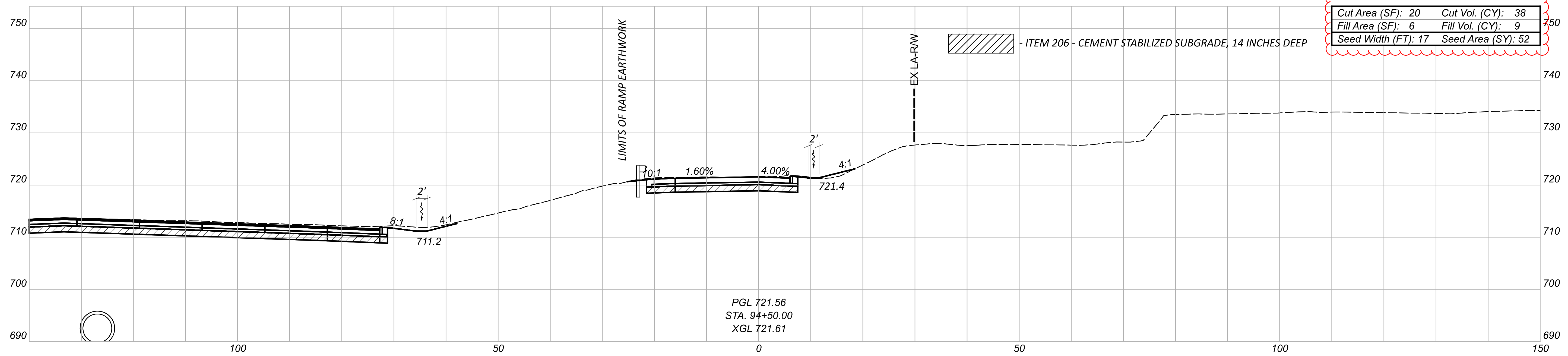
CROSS SECTIONS - RAMP MD (IR 90 EB TO MCKINLEY AVE)  
 STA 93+00.00 TO STA 93+50.00



DESIGNER  
 CNK  
 REVIEWER  
 VDK 08/09/23

PROJECT ID	76779
SHEET TOTAL	P.0829 P.1587

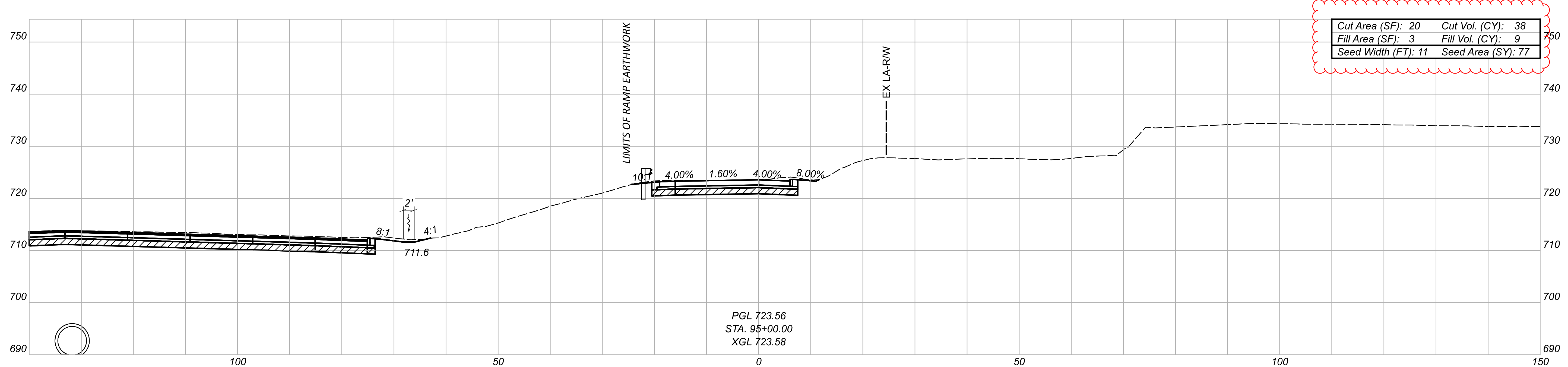
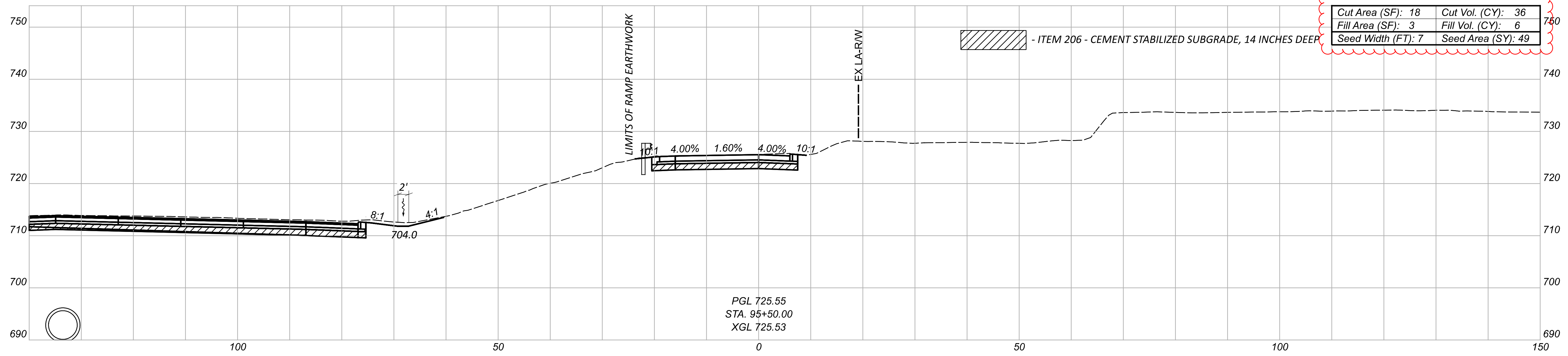
Sheet Totals		
Seeding	Cut	Fill
97	171	12



CROSS SECTIONS - RAMP MD (IR 90 EB TO MCKINLEY AVE)  
 STA 94+00.00 TO STA 94+50.00

DESIGN AGENCY  
 200 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.280.8999  
 MOODY  
 ENGINEERS  
 DESIGNER  
 CNK  
 REVIEWER  
 VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
79	76	15	P.0830 P.1587

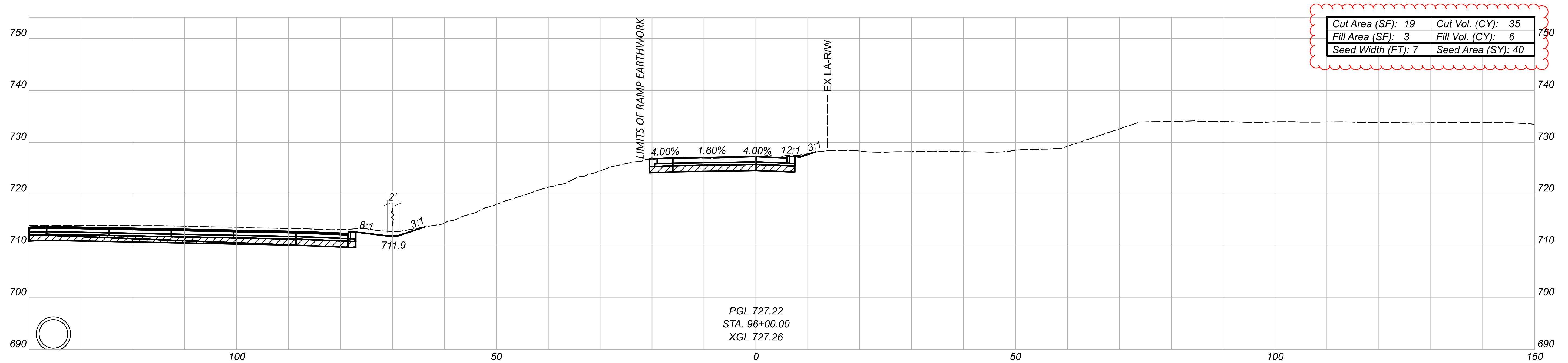
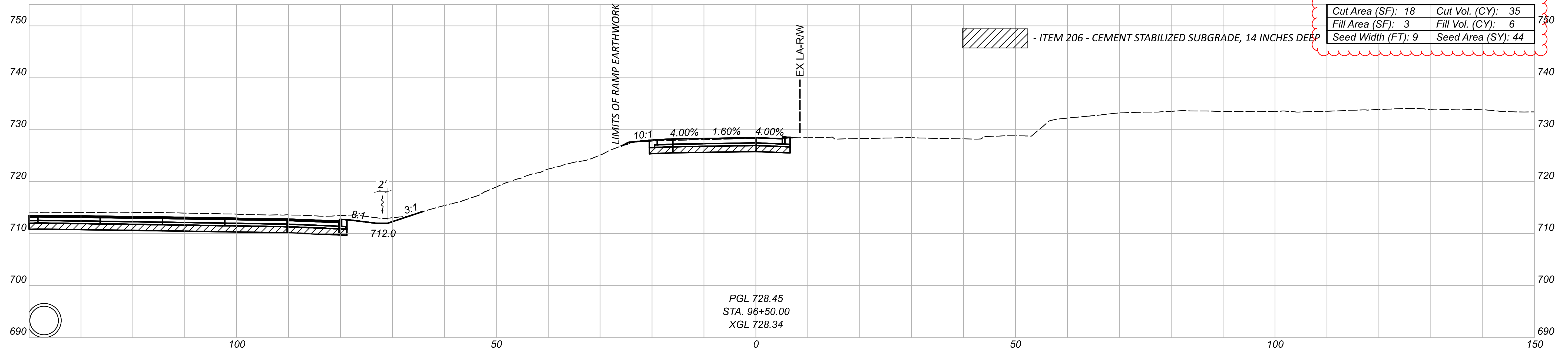


CROSS SECTIONS - RAMP MD (IR 90 EB TO MCKINLEY AVE)  
 STA 95+00.00 TO STA 95+50.00

DESIGN AGENCY  
 200 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY  
 ENGINEERS  
 DESIGNER  
 CNK  
 REVIEWER  
 VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
127	74	15	P.0831 P.1587

PROJECT ID  
 76779



CROSS SECTIONS - RAMP MD (IR 90 EB TO MCKINLEY AVE)  
 STA 96+00.00 TO STA 96+50.00

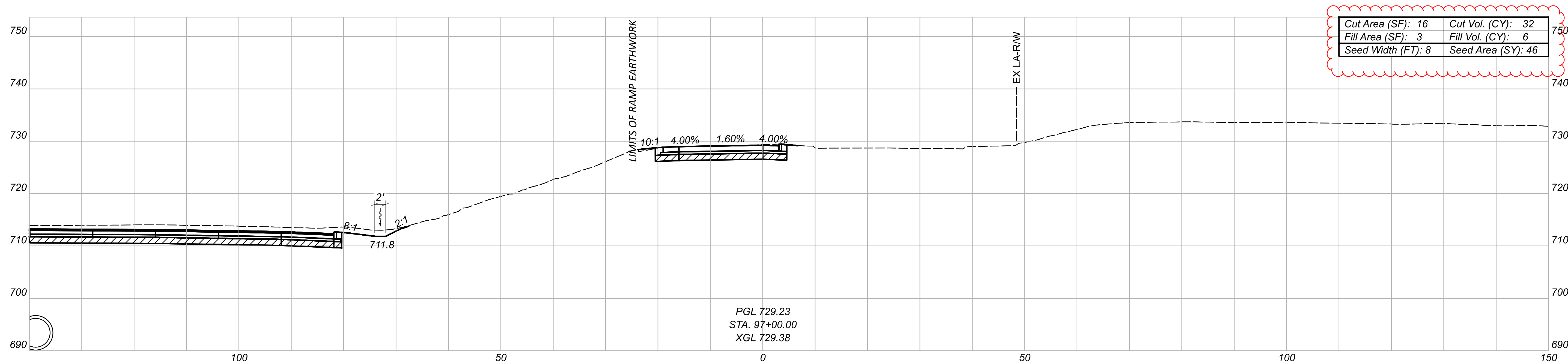
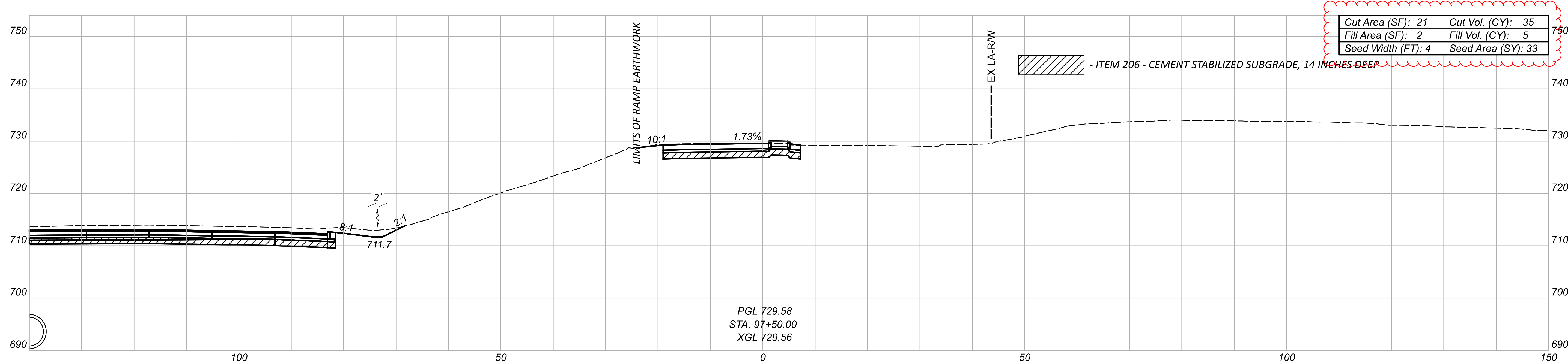
DESIGN AGENCY  
 200 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.290.8999  
 MOODY  
 ENGINEERS

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.0832	P.1587
84	70	12		



CROSS SECTIONS - RAMP MD (IR 90 EB TO MCKINLEY AVE)  
 STA 97+00.00 TO STA 97+50.00



DESIGN AGENCY  
 DESIGNER: CNK  
 REVIEWER: VDK 08/09/23

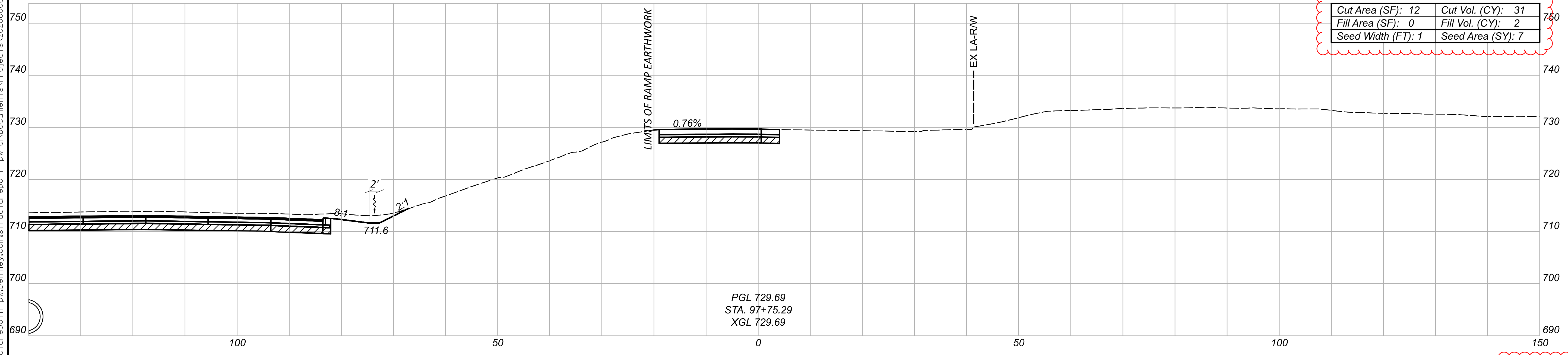
Sheet Totals			76779
Seeding	Cut	Fill	TOTAL
79	67	11	P.0833 P.1587

PROJECT ID: 76779  
 SHEET: P.0833  
 TOTAL: P.1587



CUY-90-6.69

MODEL: BLP\_R090\_MD-1 - 97+75.29 [Sheet] PAPER SIZE: 34x22 (in.) DATE: 5/2/2024 TIME: 8:24:21 PM USER: brfleder  
pw:\structure\point-pw\benfley.com\structure\point-pw-0\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779\_XS304.dgn



PGL 729.69  
STA. 97+75.29  
XGL 729.69

Cut Area (SF): 12	Cut Vol. (CY): 31
Fill Area (SF): 0	Fill Vol. (CY): 2
Seed Width (FT): 1	Seed Area (SY): 7

Sheet Totals			PROJECT ID	
Seeding	Cut	Fill	SHEET	TOTAL
7	31	2	P.0834	P.1587

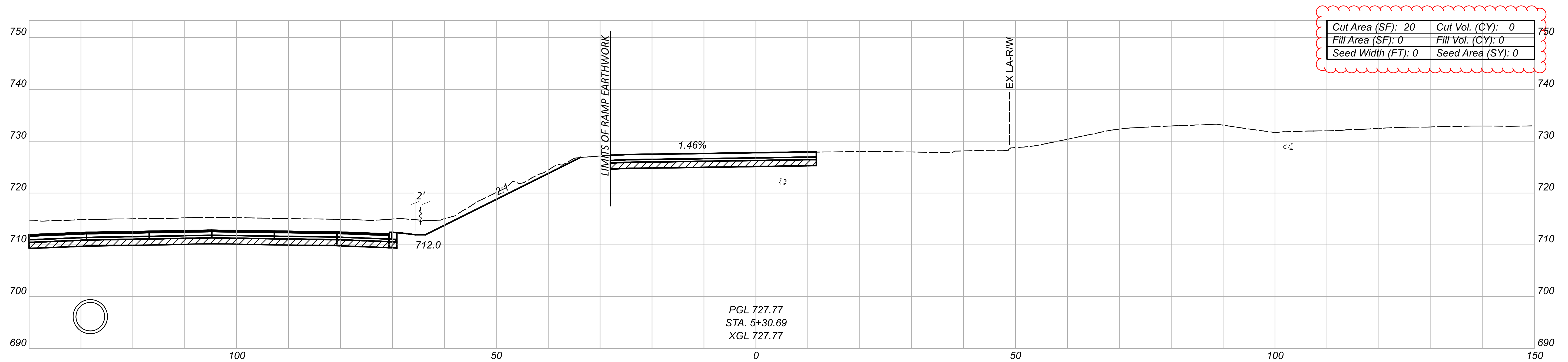
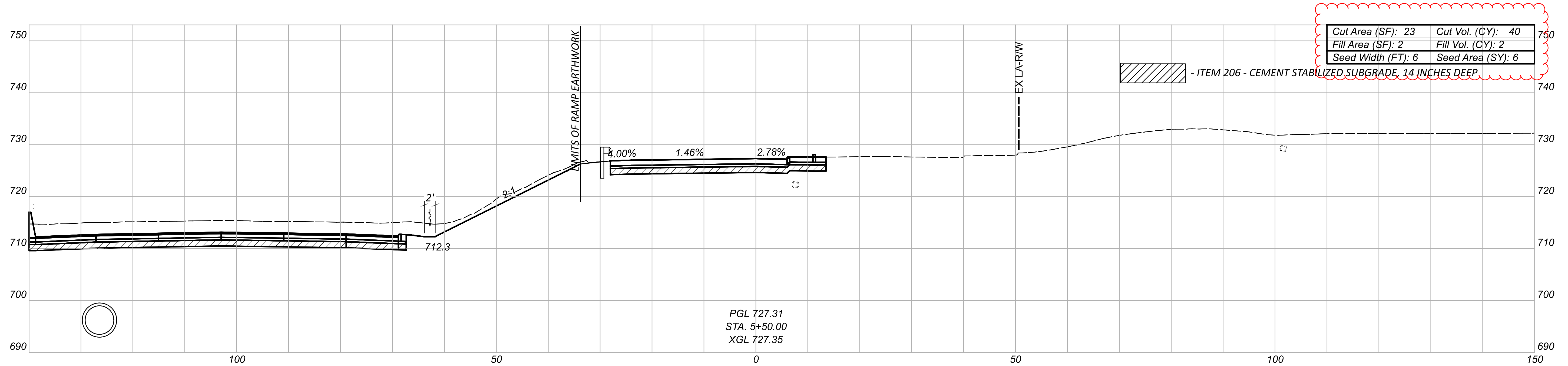
DESIGN AGENCY  
 300 SINGLE STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.230.8999  
 MOODY ENGINEERING  
 MOODYENR.COM

DESIGNER  
CNK

REVIEWER  
VDK 08/09/23

PROJECT ID  
76779

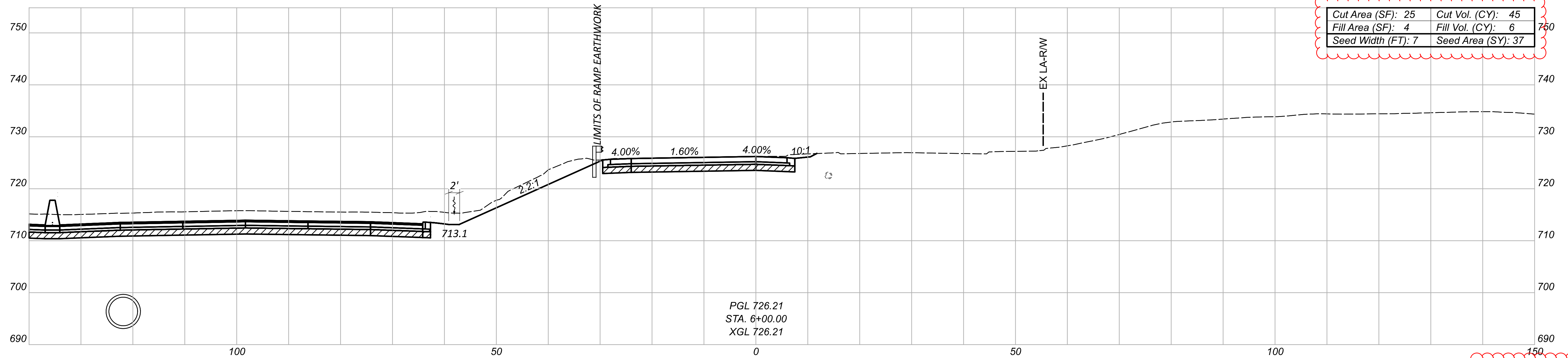
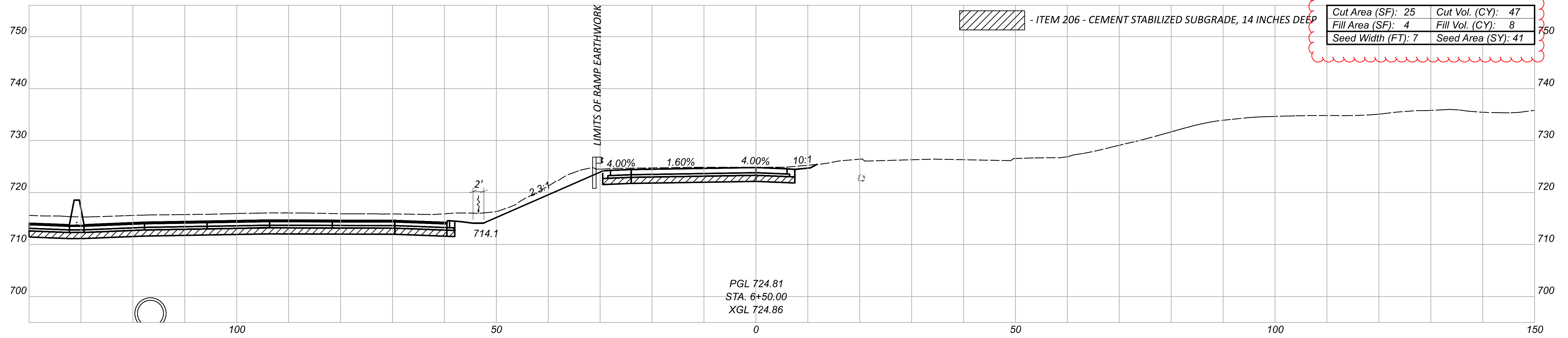
CROSS SECTIONS - RAMP MD (IR 90 EB TO MCKINLEY AVE)  
 STA 97+75.29



Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
6	40	2	P.0835 P.1587

DESIGN AGENCY  
 200 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.280.8999  
 MOODY  
 ENGINEERS  
 DESIGNER  
 CNK  
 REVIEWER  
 VDK 08/09/23  
 PROJECT ID  
 76779

CROSS SECTIONS - RAMP ME (MCKINLEY AVE TO IR 90 EB)  
 STA 5+30.69 TO STA 5+50.00

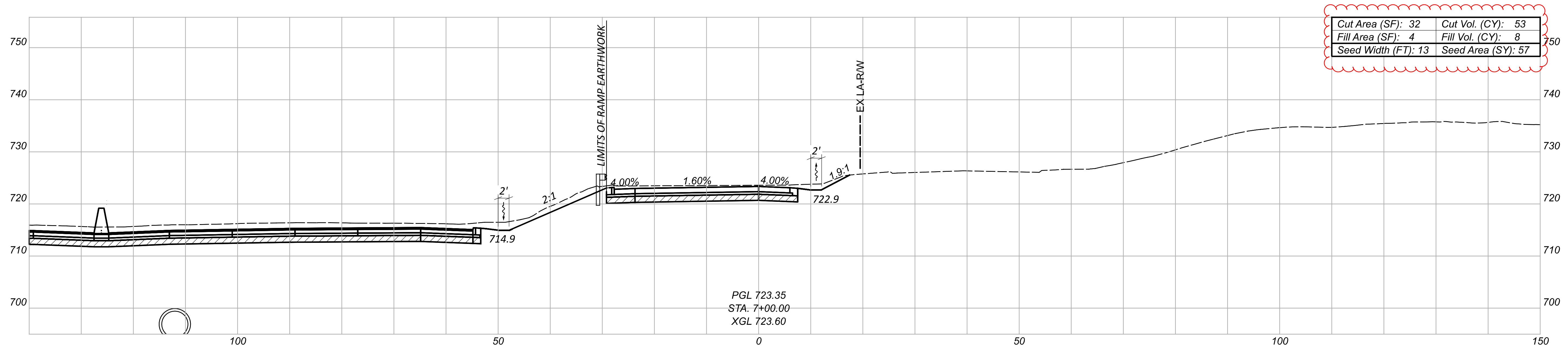
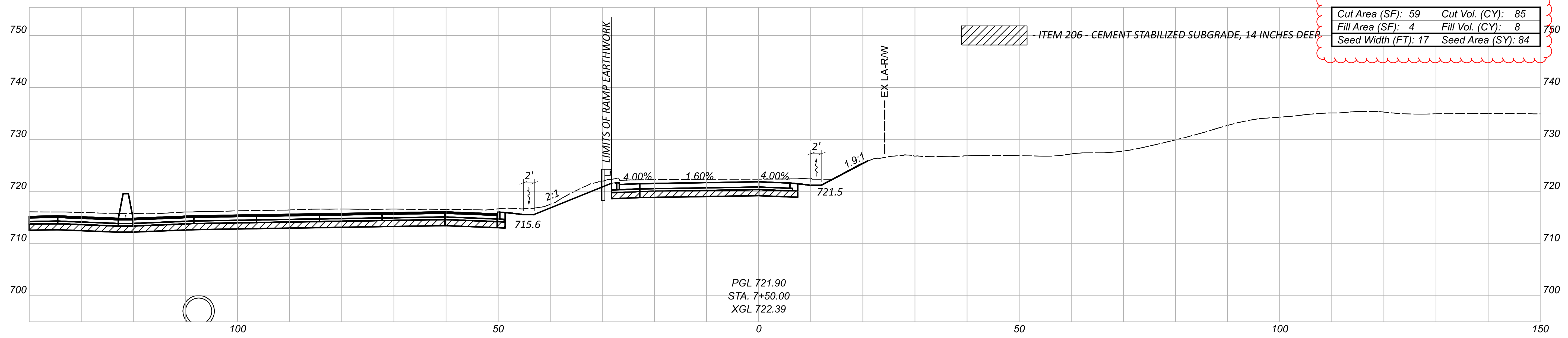


CROSS SECTIONS - RAMP ME (MCKINLEY AVE TO IR 90 EB)  
 STA 6+00.00 TO STA 6+50.00



DESIGNER: CNK  
 REVIEWER: VDK 08/09/23

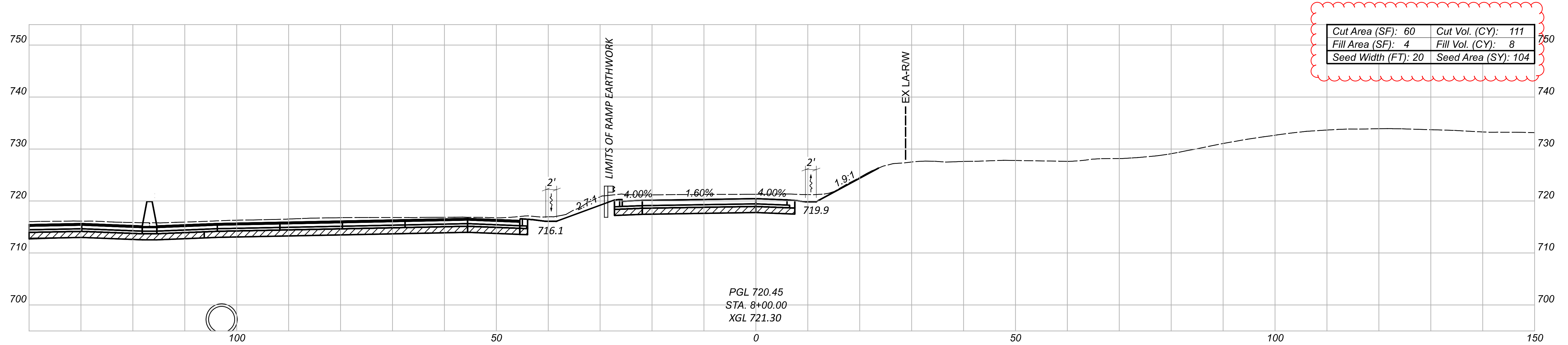
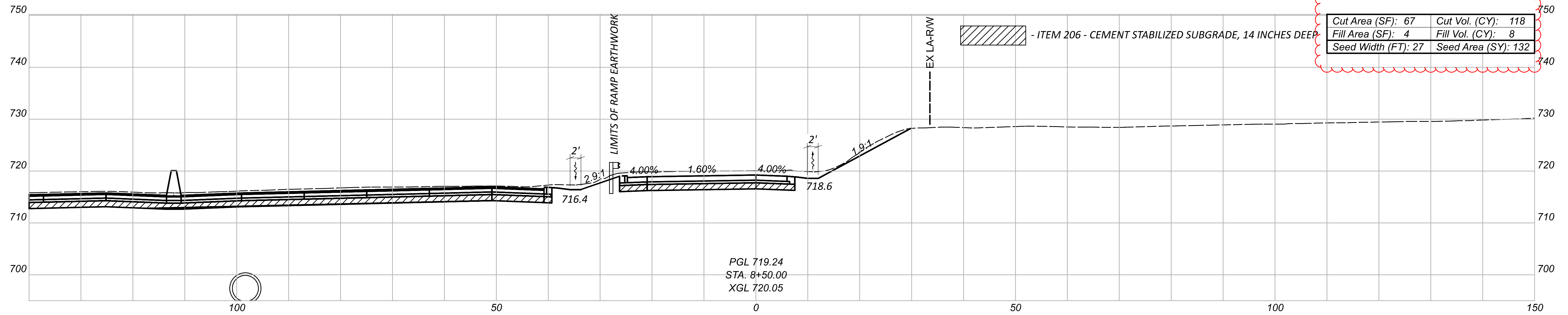
Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
89	92	14	P.0836 P.1587



Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
169	168	16	P.0837 P.1587

CROSS SECTIONS - RAMP ME (MCKINLEY AVE TO IR 90 EB)  
 STA 7+00.00 TO STA 7+50.00

DESIGN AGENCY  
 200 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.230.8999  
 MOODY  
 ENGINEERS  
 DESIGNER  
 CNK  
 REVIEWER  
 VDK 08/09/23  
 PROJECT ID  
 76779



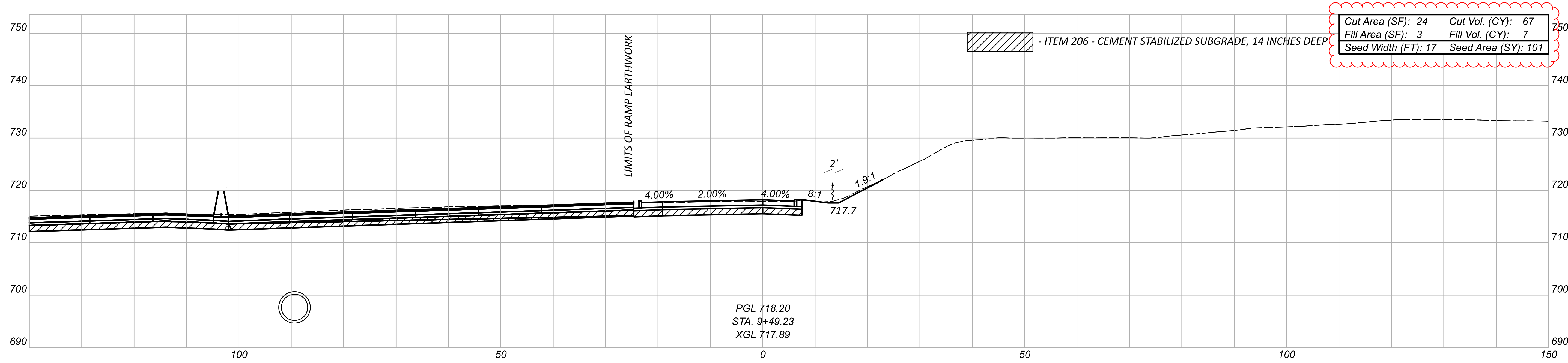
CROSS SECTIONS - RAMP ME (MCKINLEY AVE TO IR 90 EB)  
 STA 8+00.00 TO STA 8+50.00



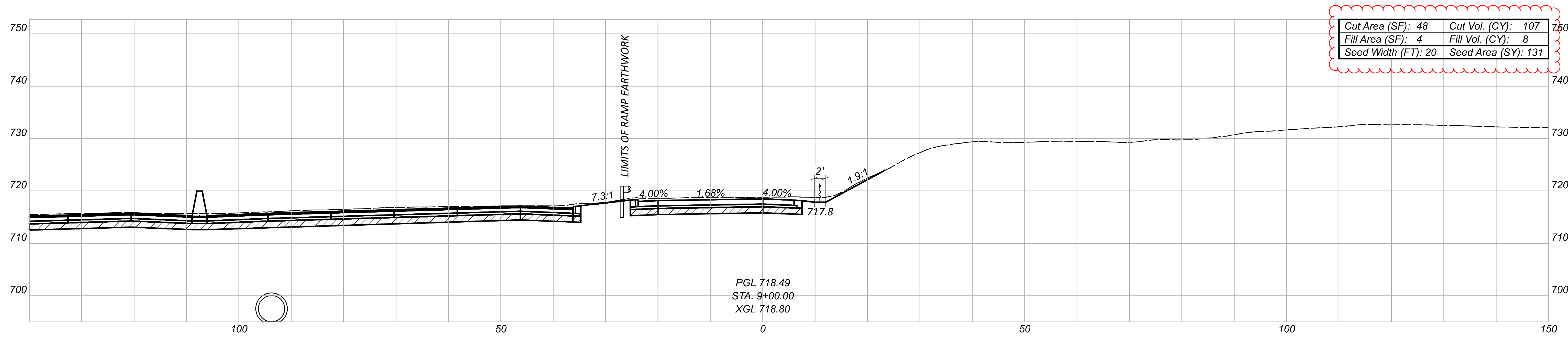
DESIGNER: CNK  
 REVIEWER: VDK 08/09/23

PROJECT ID: 76779  
 SHEET TOTAL: P.0838 P.1587

Sheet Totals			PROJECT ID	
Seeding	Cut	Fill	SHEET	TOTAL
288	229	16	P.0838	P.1587



Cut Area (SF): 24	Cut Vol. (CY): 67
Fill Area (SF): 3	Fill Vol. (CY): 7
Seed Width (FT): 17	Seed Area (SY): 101



Cut Area (SF): 48	Cut Vol. (CY): 107
Fill Area (SF): 4	Fill Vol. (CY): 8
Seed Width (FT): 20	Seed Area (SY): 131

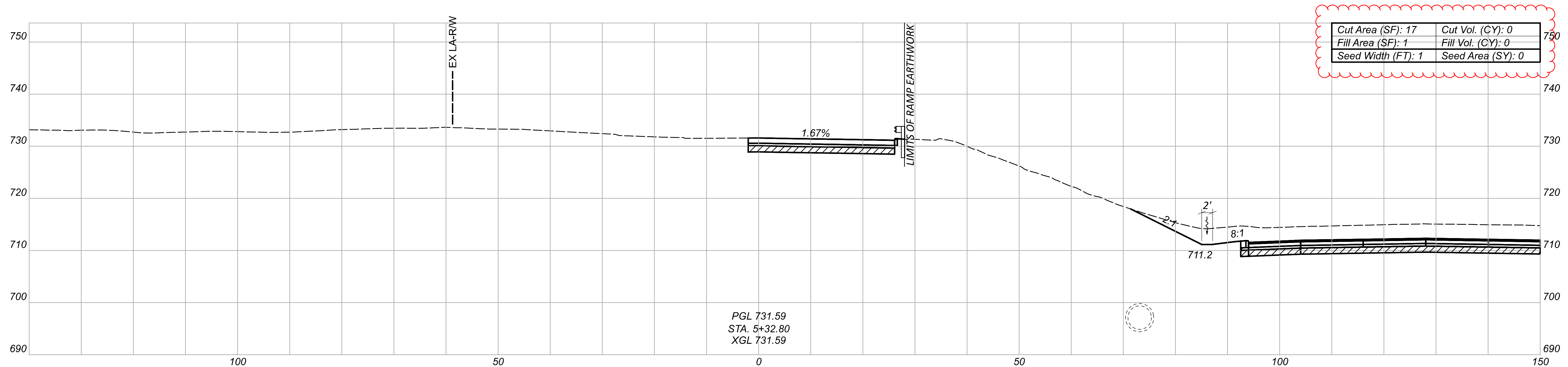
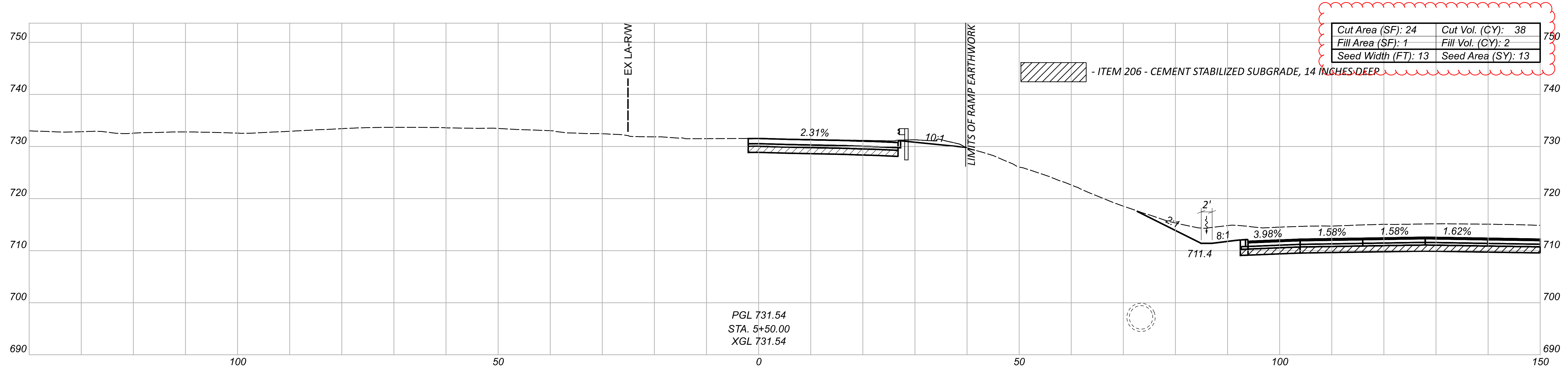
CROSS SECTIONS - RAMP ME (MCKINLEY AVE TO IR 90 EB)  
 STA 9+00.00 TO STA 9+49.23

DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.230.9999  
 MOODY  
 ENGINEERS

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
371	174	15	P.0839 P.1587



Sheet Totals			76779	
Seeding	Cut	Fill	SHEET	TOTAL
13	38	2	P.0840	P.1587

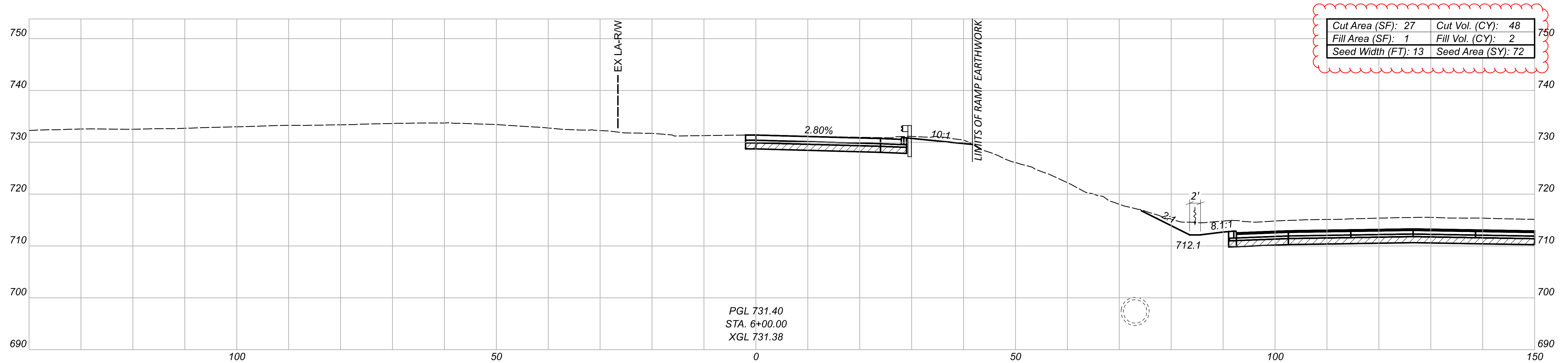
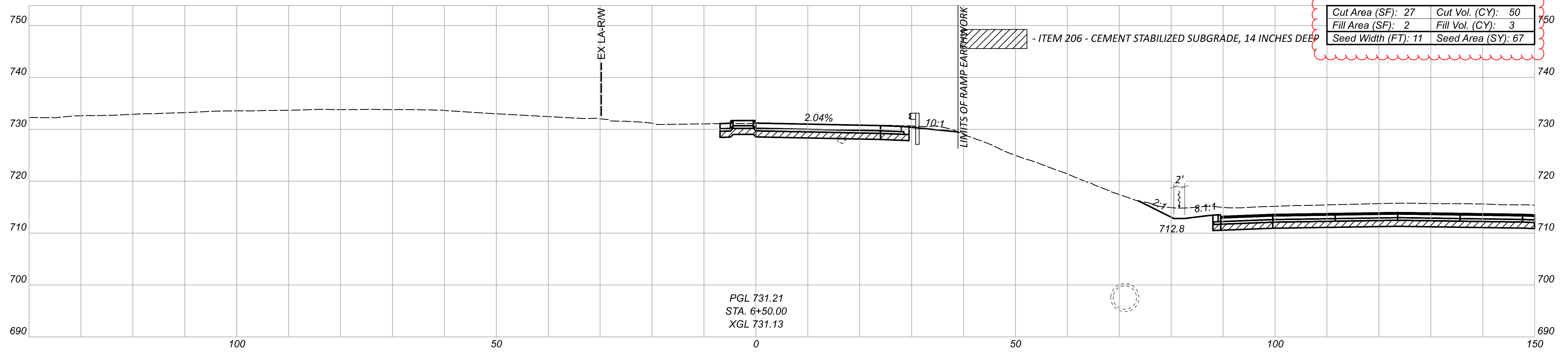
CROSS SECTIONS - RAMP MF (MCKINLEY AVE TO IR 90 EB)  
 STA 5+32.80 TO STA 5+50.00

DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODYENGINEERING.COM

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779



CROSS SECTIONS - RAMP MF (IR 90 WB TO MCKINLEY AVE)  
 STA 6+00.00 TO STA 6+50.00

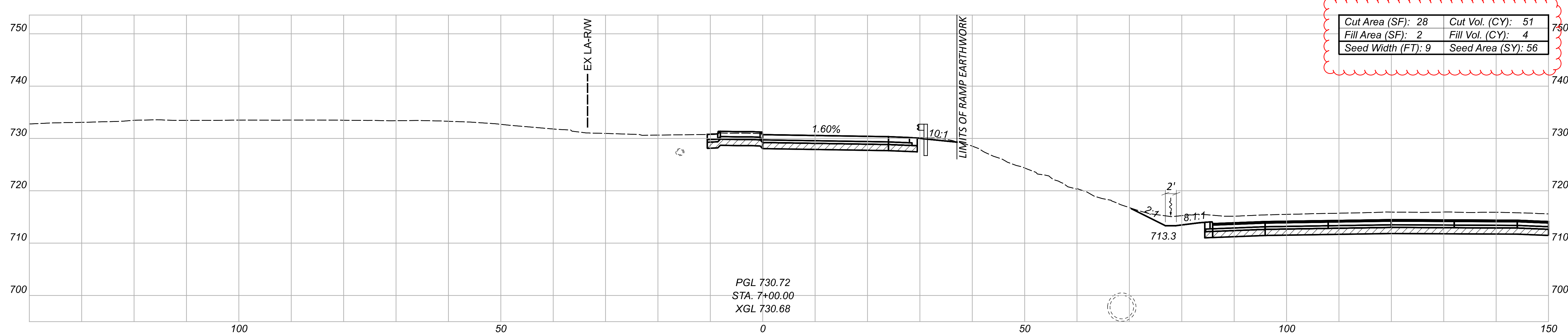
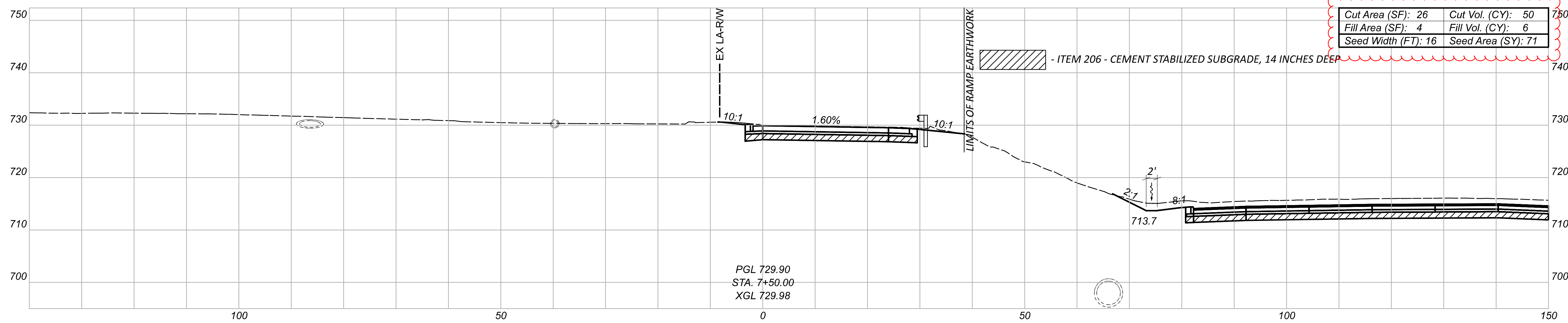


DESIGN AGENCY  
 DESIGNER CNK  
 REVIEWER VDK 08/09/23

PROJECT ID 76779  
 SHEET TOTAL P.0841 P.1587

Sheet Totals		
Seeding	Cut	Fill
139	98	5





Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
127	101	10	P.0842 P.1587

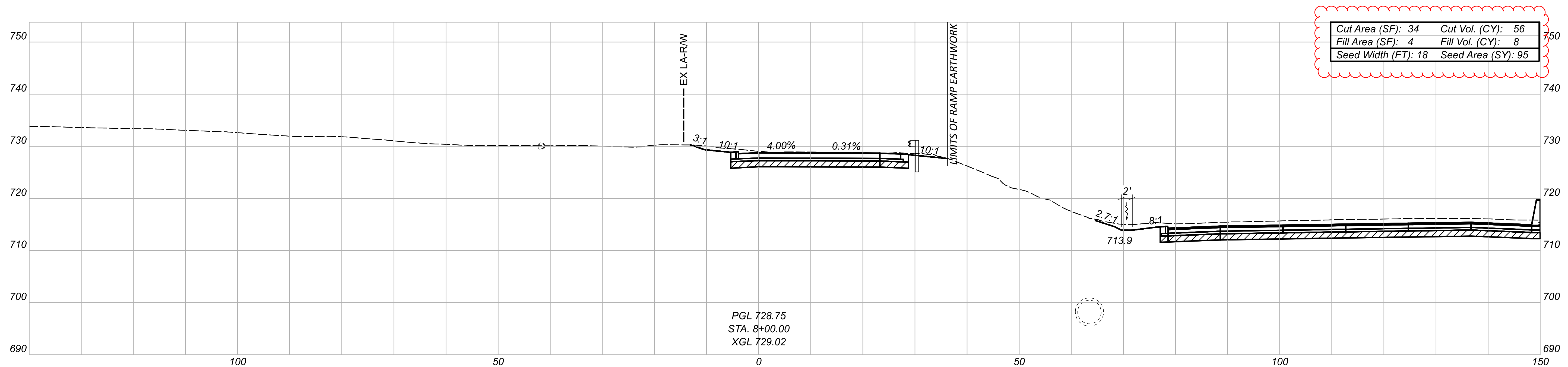
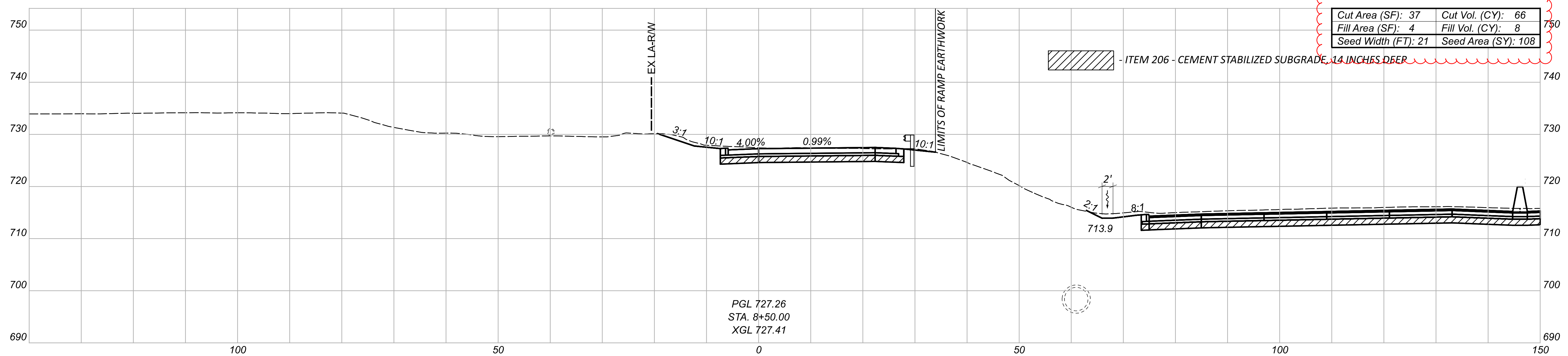
CROSS SECTIONS - RAMP MF (IR 90 WB TO MCKINLEY AVE)  
 STA 7+00.00 TO STA 7+50.00

DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY ENGINEERING  
 MOODY-ENG.COM

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779



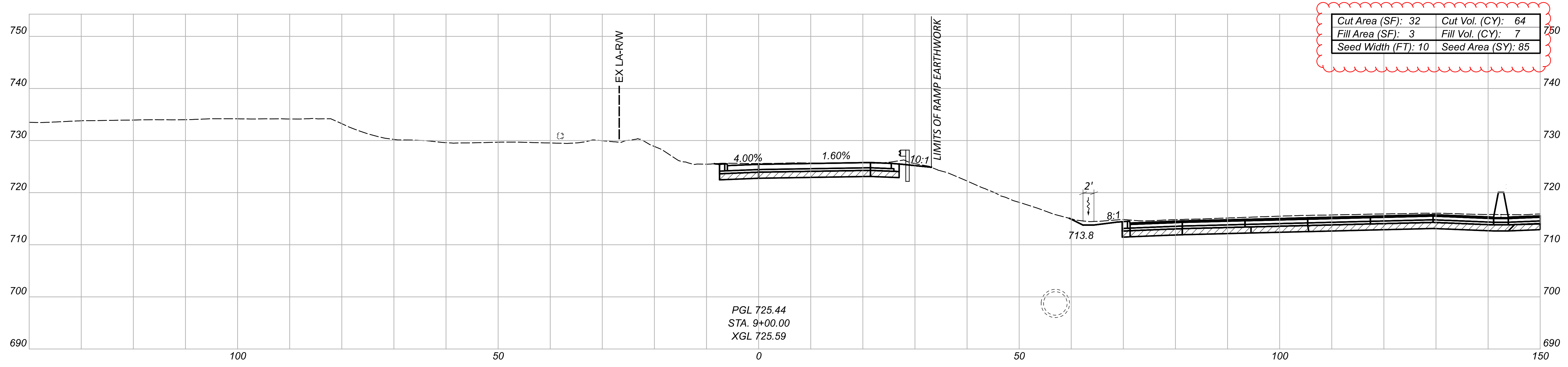
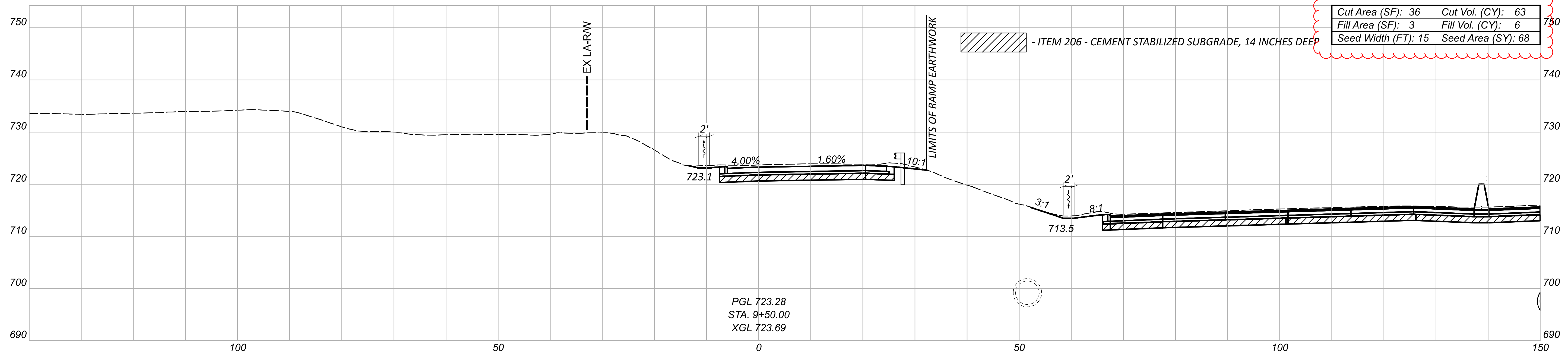
CROSS SECTIONS - RAMP MF (IR 90 WB TO MCKINLEY AVE)  
 STA 8+00.00 TO STA 8+50.00

DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
**MOODY**  
 ENGINEERS

DESIGNER  
**CNK**

REVIEWER  
**VDK 08/09/23**

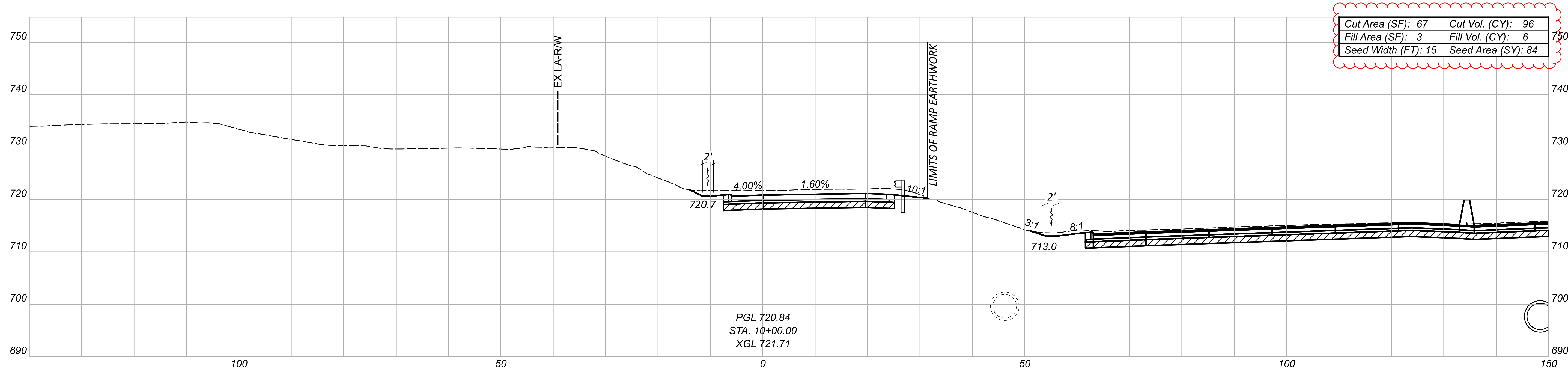
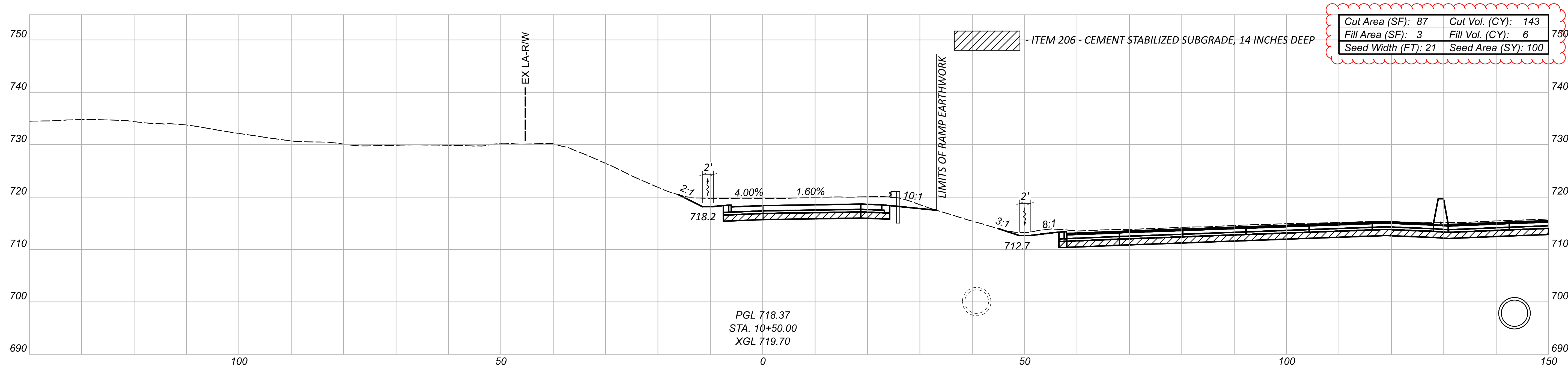
Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
204	122	16	P:0843 P.1587



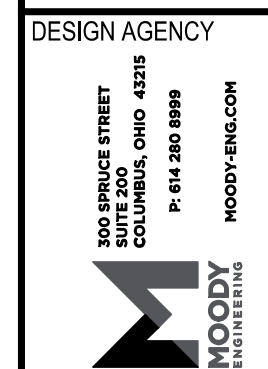
Sheet Totals			PROJECT ID	
Seeding	Cut	Fill	SHEET	TOTAL
153	127	13	P.0844	P.1587

CROSS SECTIONS - RAMP MF (IR 90 WB TO MCKINLEY AVE)  
 STA 9+00.00 TO STA 9+50.00

DESIGN AGENCY  
 200 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY  
 ENGINEERS  
 DESIGNER  
 CNK  
 REVIEWER  
 VDK 08/09/23  
 PROJECT ID  
 76779



CROSS SECTIONS - RAMP MF (IR 90 WB TO MCKINLEY AVE)  
 STA 10+00.00 TO STA 10+50.00

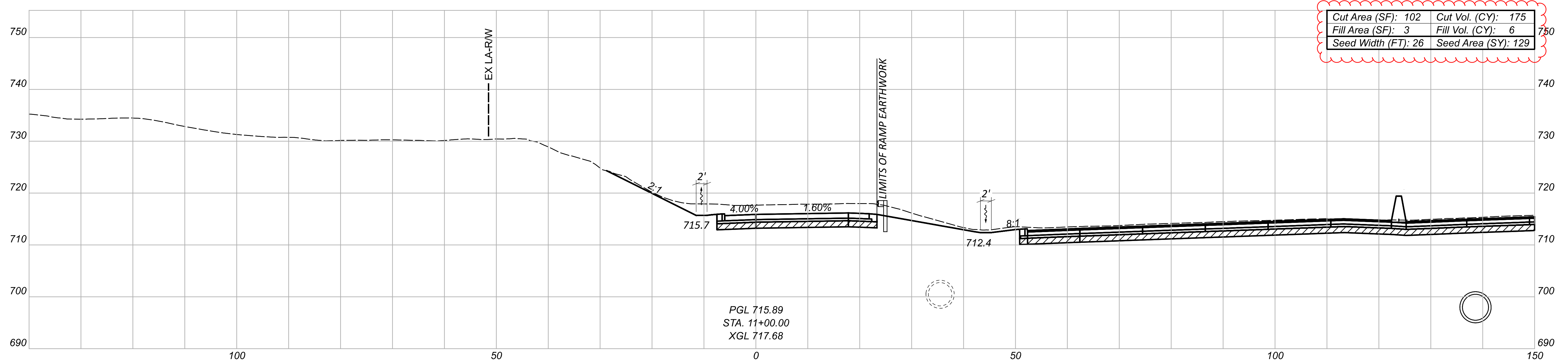
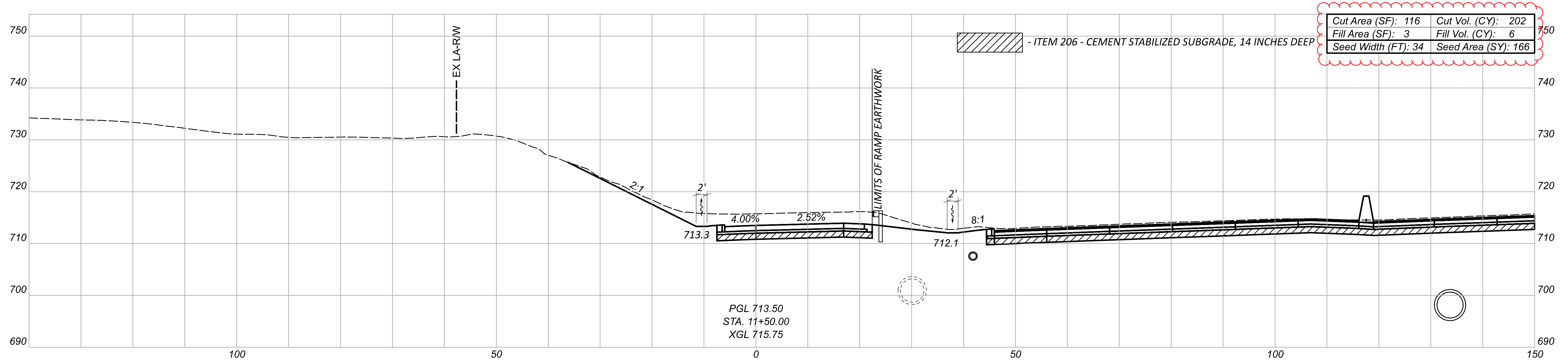


DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

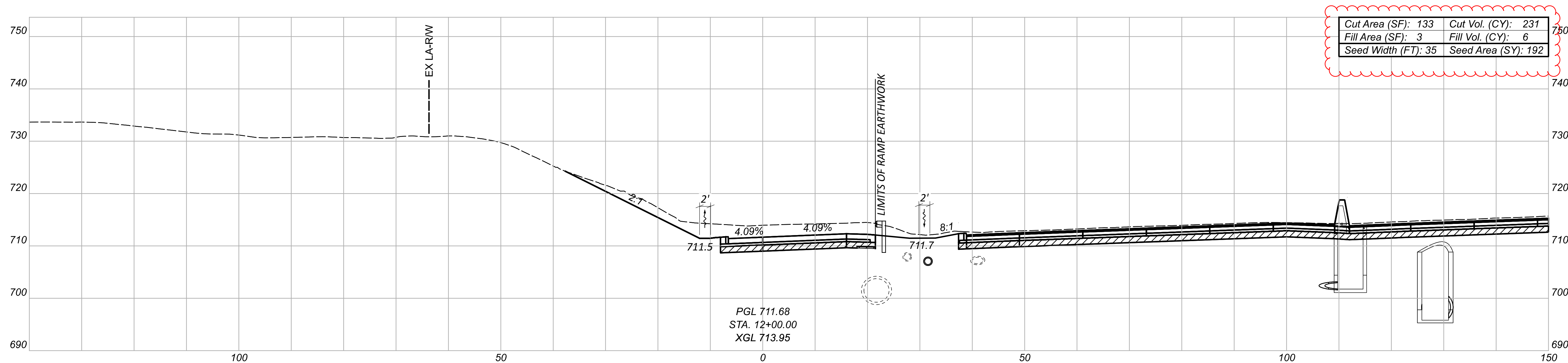
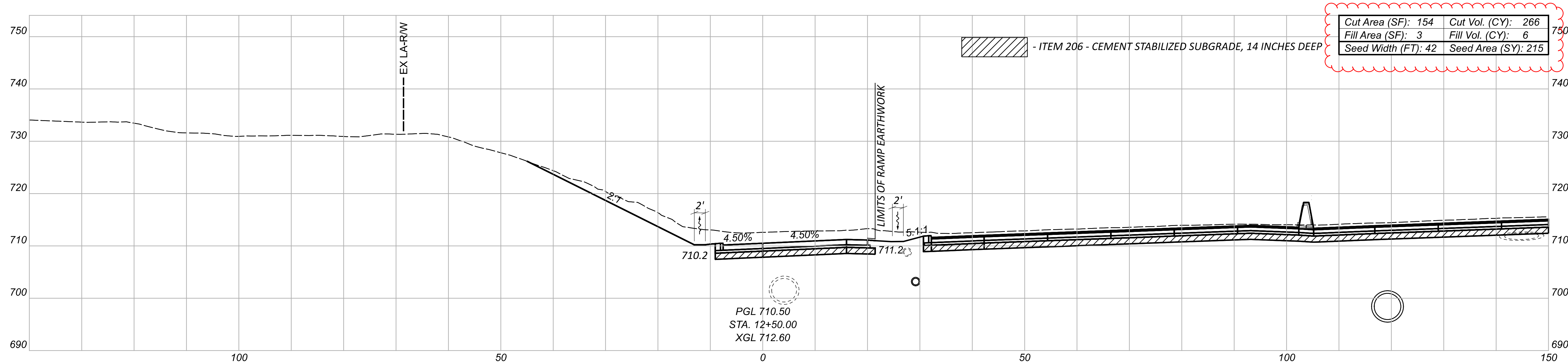
Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	P.1587
184	239	12	P.0845	P.1587



Sheet Totals			PROJECT ID	
Seeding	Cut	Fill	SHEET	TOTAL
295	377	12	P.0846	P.1587

CROSS SECTIONS - RAMP MF (IR 90 WB TO MCKINLEY AVE)  
 STA 11+00.00 TO STA 11+50.00

DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.290.8999  
 MOODY  
 ENGINEERS  
 DESIGNER  
 CNK  
 REVIEWER  
 VDK 08/09/23  
 PROJECT ID  
 76779



CROSS SECTIONS - RAMP MF (IR 90 WB TO MCKINLEY AVE)  
 STA 12+00.00 TO STA 12+50.00

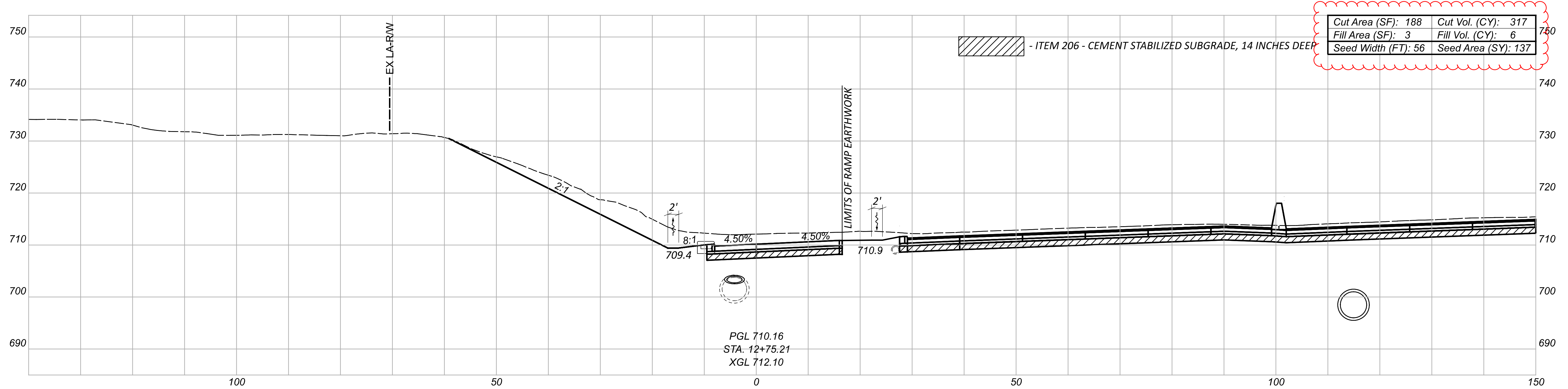
DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.280.8999  
 MOODY ENGINEERING  
 MOODY-ENG.COM

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	P.1587
407	497	12	P.0847	P.1587



Cut Area (SF): 188	Cut Vol. (CY): 317
Fill Area (SF): 3	Fill Vol. (CY): 6
Seed Width (FT): 56	Seed Area (SY): 137

PGL 710.16  
 STA. 12+75.21  
 XGL 712.10

CROSS SECTIONS - RAMP MF (IR 90 WB TO MCKINLEY AVE)  
 STA 12+75.21

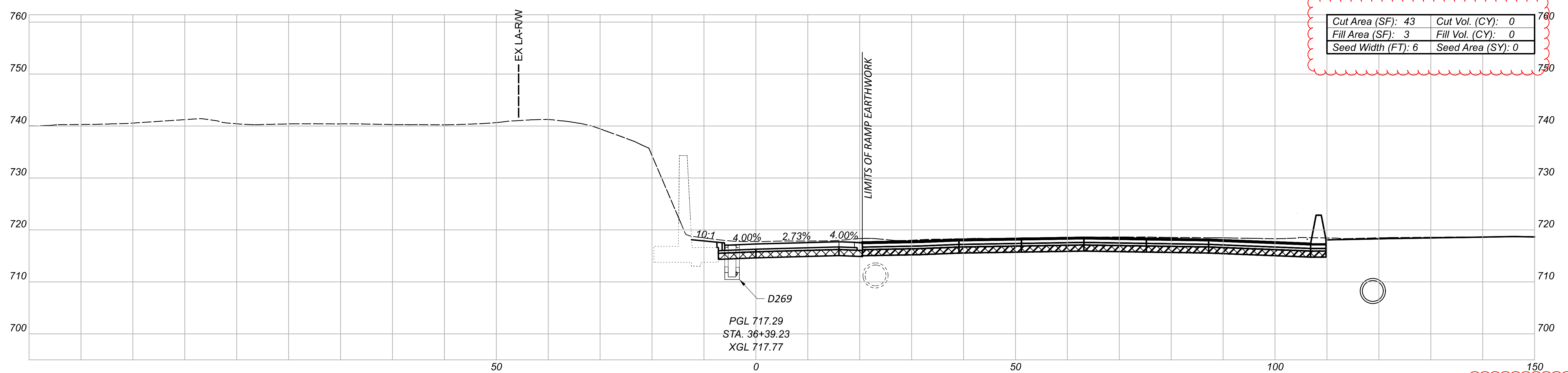
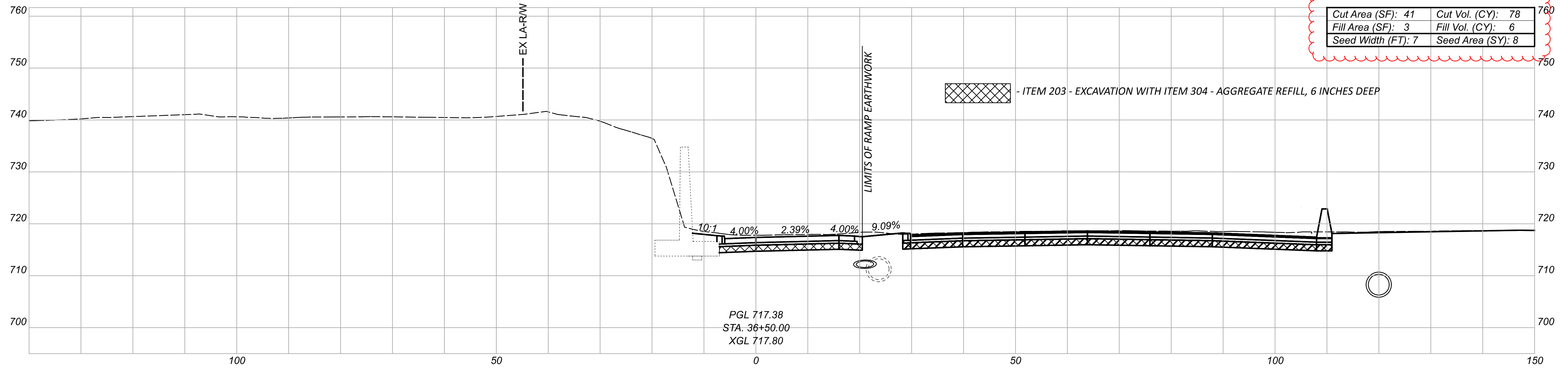
DESIGN AGENCY  
 300 HUNGER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
**MOODY**  
 ENGINEERS

DESIGNER  
**CNK**

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

Sheet Totals		
Seeding	Cut	Fill
137	317	6



Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
8	78	6	P.0849 P.1587

CROSS SECTIONS - RAMP W1 (WARREN RD TO I-90 WB)  
 STA 36+39.23 TO STA 36+50.00

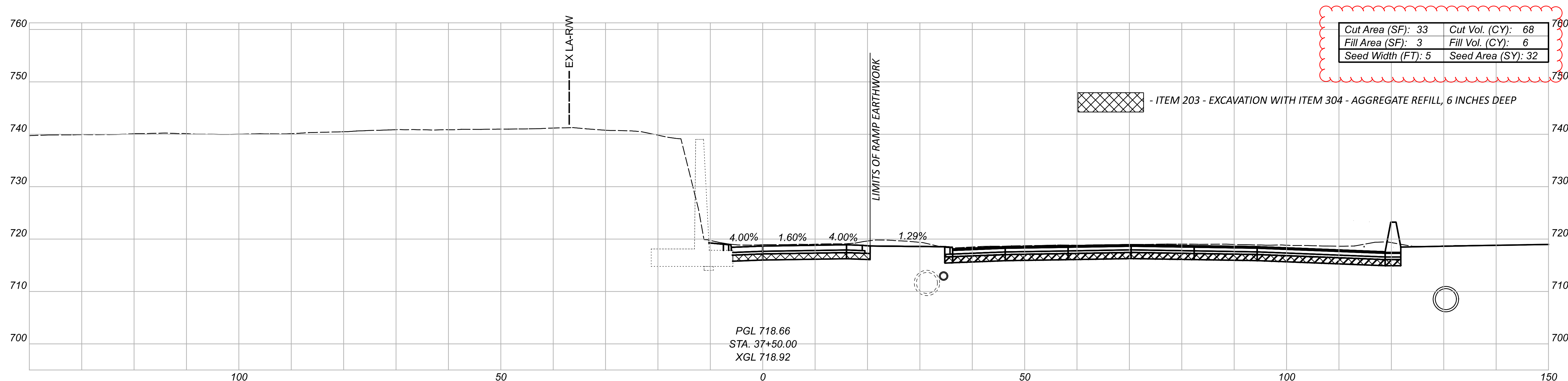
DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.280.8999  
 MOODY ENGINEERING  
 MOODY-ENG.COM

DESIGNER  
 CNK

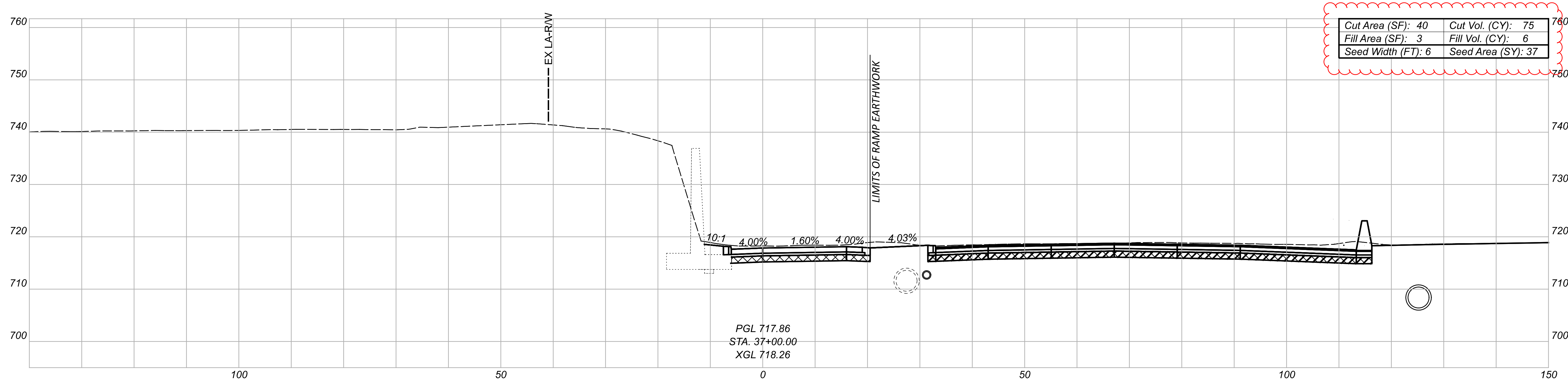
REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779





Cut Area (SF): 33	Cut Vol. (CY): 68
Fill Area (SF): 3	Fill Vol. (CY): 6
Seed Width (FT): 5	Seed Area (SY): 32



Cut Area (SF): 40	Cut Vol. (CY): 75
Fill Area (SF): 3	Fill Vol. (CY): 6
Seed Width (FT): 6	Seed Area (SY): 37

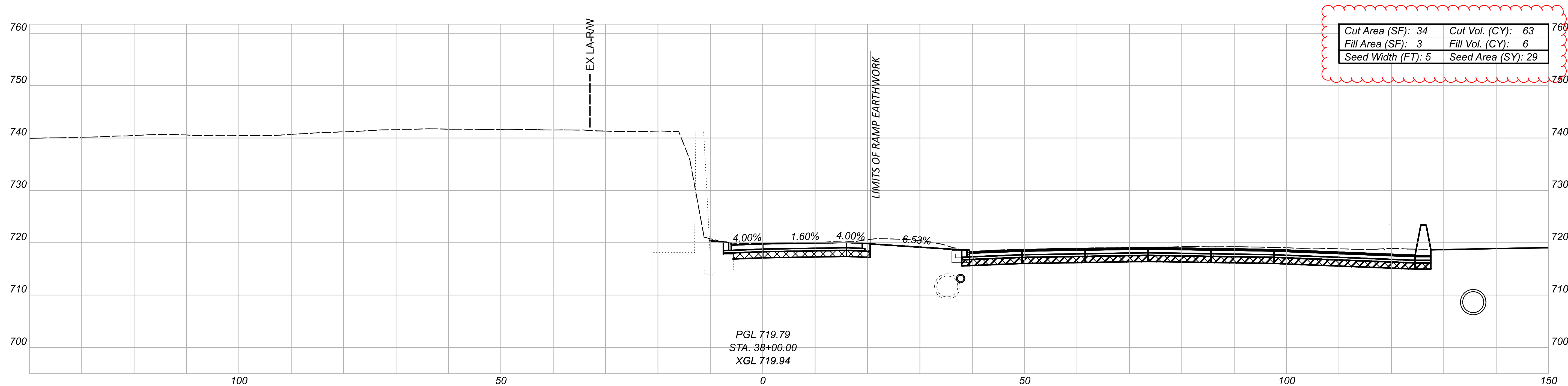
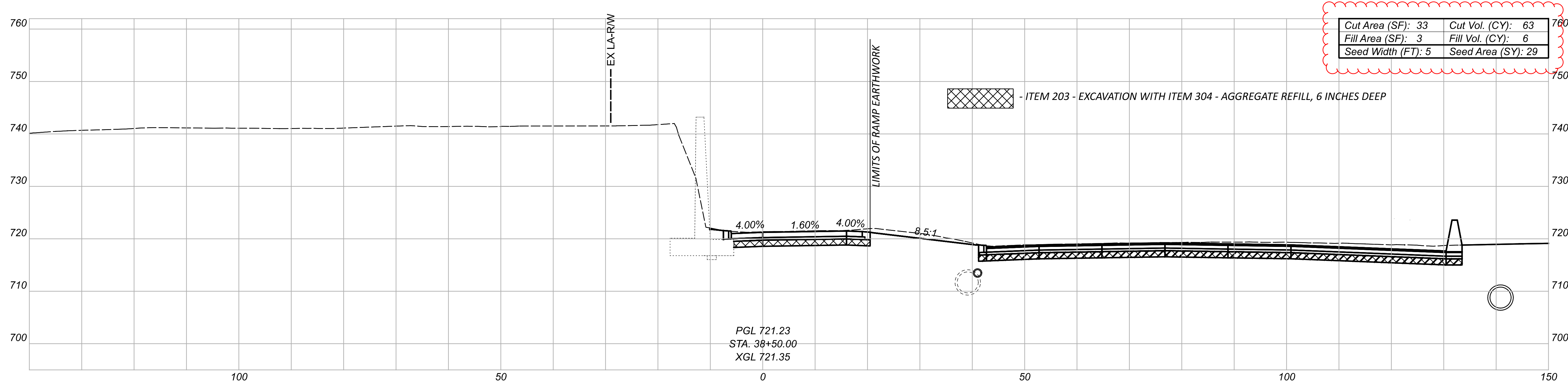
CROSS SECTIONS - RAMP W1 (WARREN RD TO I-90 WB)  
 STA 37+00.00 TO STA 37+50.00



DESIGNER: CNK  
 REVIEWER: VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
69	143	12	P-0850 P.1587

PROJECT ID: 76779



CROSS SECTIONS - RAMP W1 (WARREN RD TO I-90 WB)  
 STA 38+00.00 TO STA 38+50.00

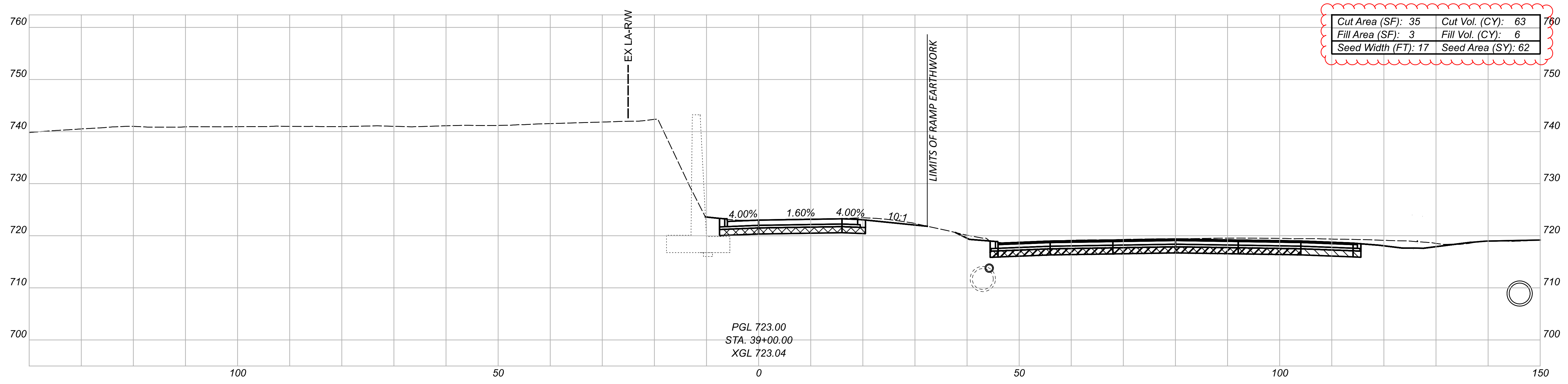
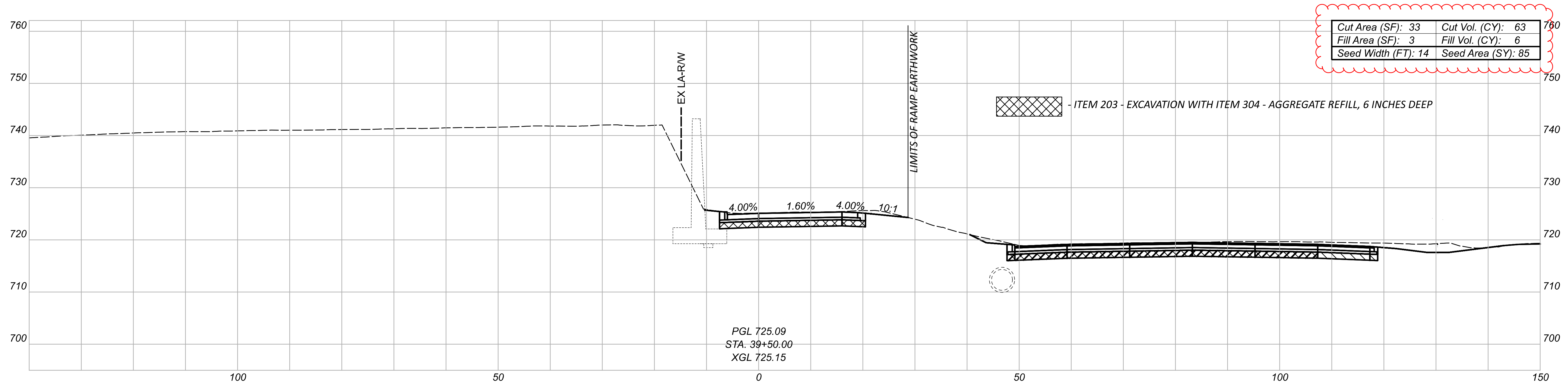
DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY  
 ENGINEERS

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.0851	P.1587
58	126	12		



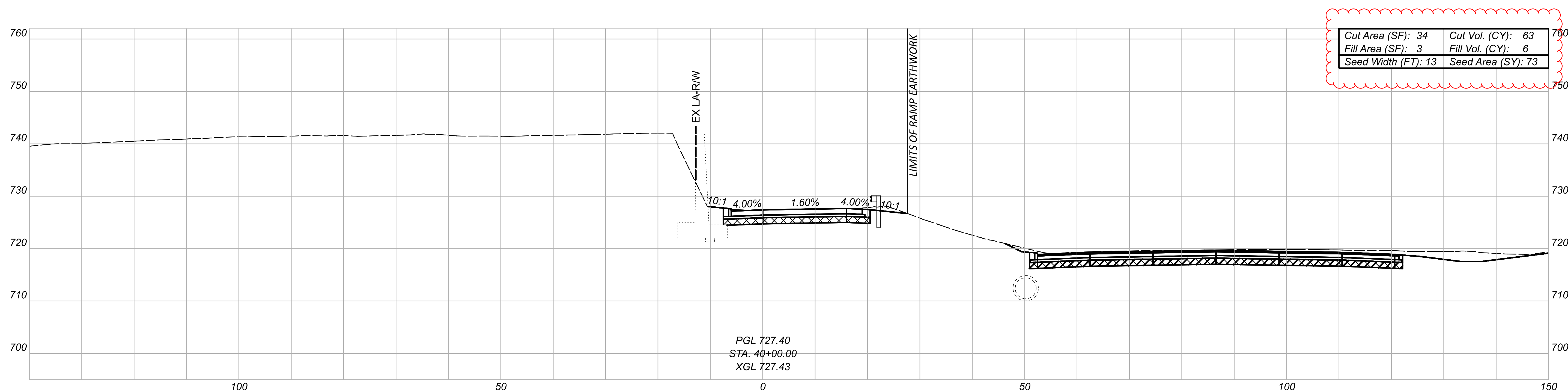
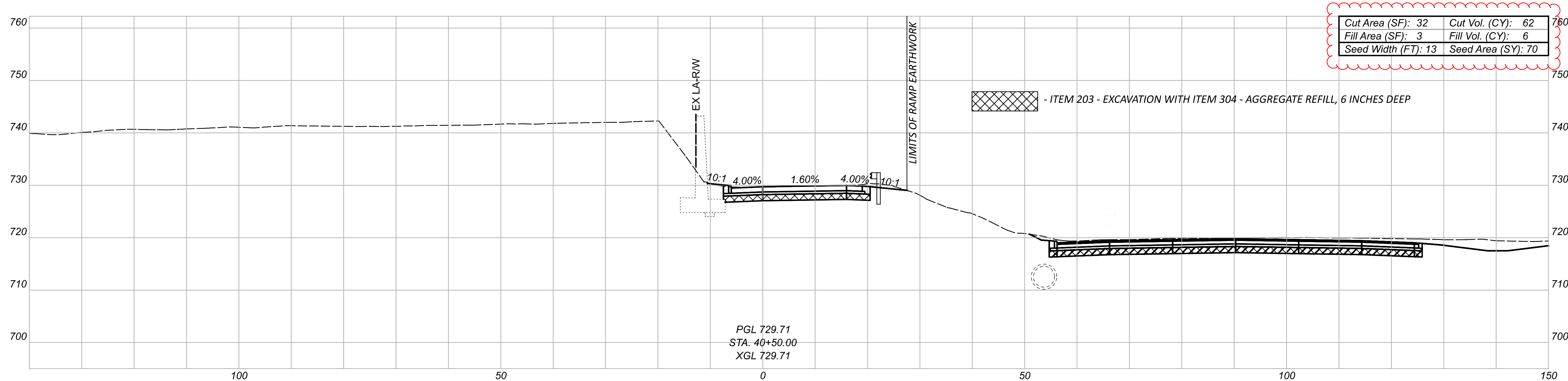
CROSS SECTIONS - RAMP W1 (WARREN RD TO I-90 WB)  
 STA 39+00.00 TO STA 39+50.00

DESIGN AGENCY  
 300 HUNGER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.280.8999  
 MOODY  
 ENGINEERS

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
147	126	12	P.0852 P.1587



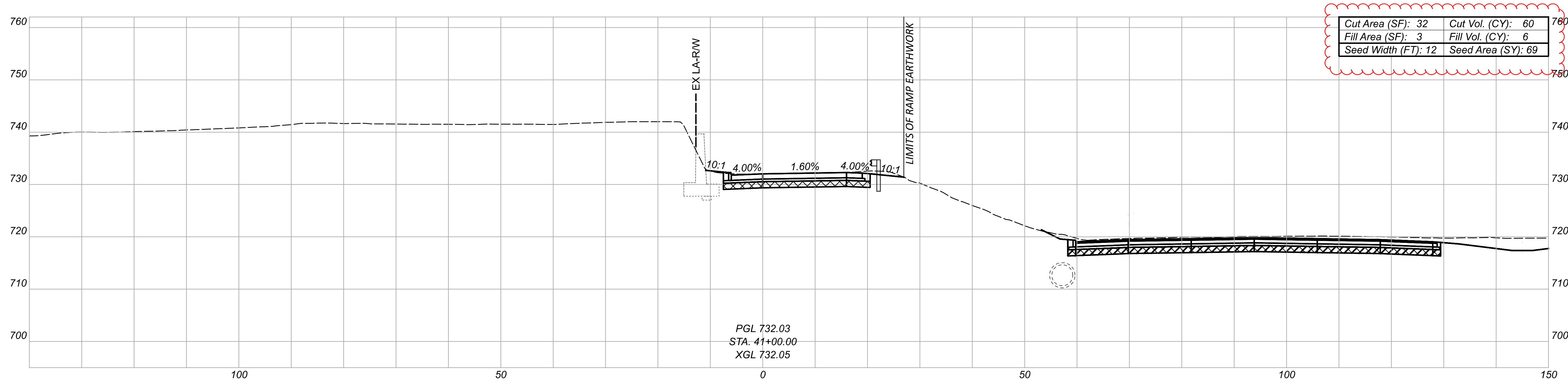
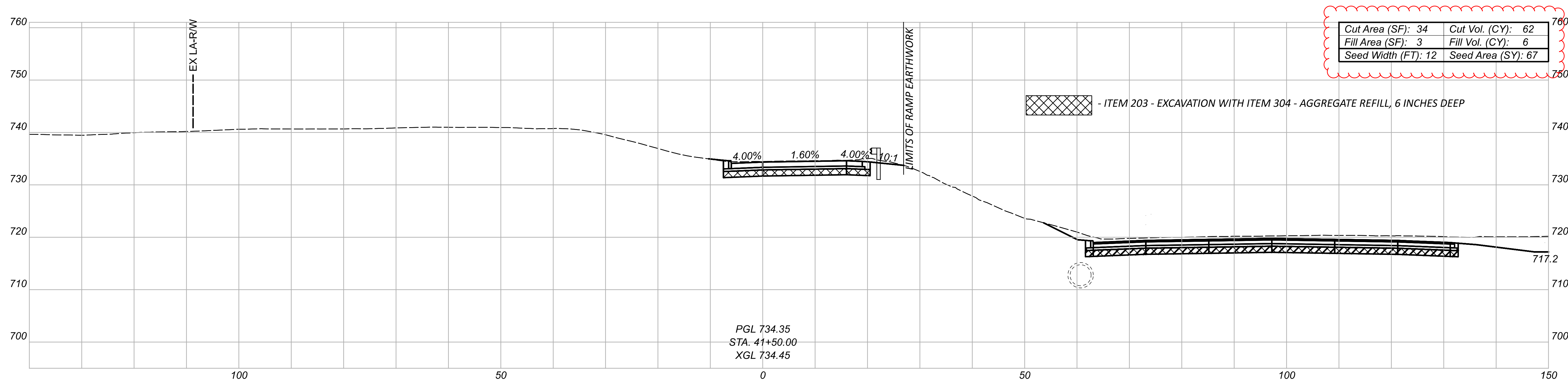
CROSS SECTIONS - RAMP W1 (WARREN RD TO I-90 WB)  
 STA 40+00.00 TO STA 40+50.00

DESIGN AGENCY  
 300 HUNGER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY  
 ENGINEERS

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
143	125	12	P.0853 P.1587



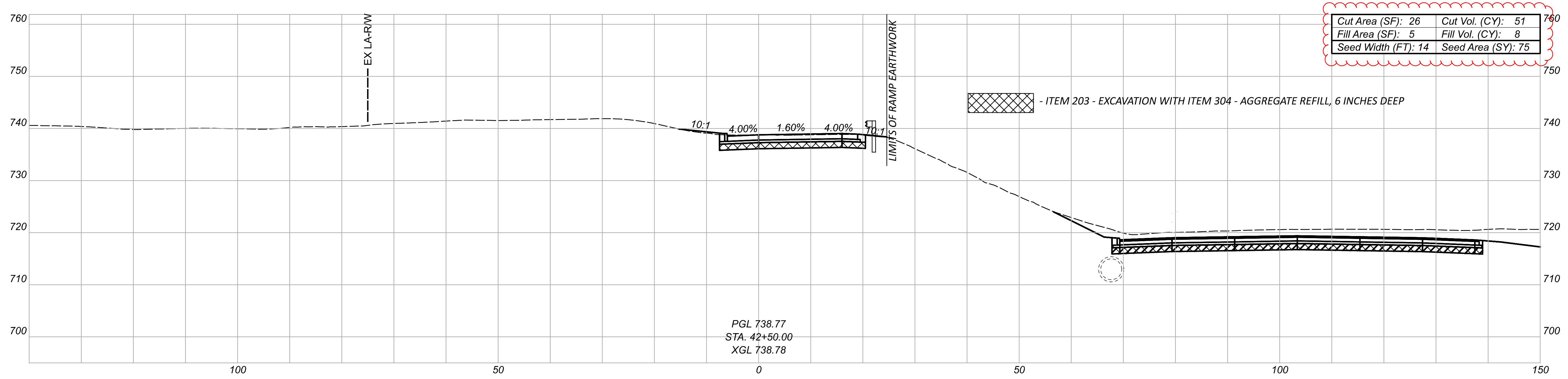
CROSS SECTIONS - RAMP W1 (WARREN RD TO I-90 WB)  
 STA 41+00.00 TO STA 41+50.00

DESIGN AGENCY  
 300 HUNGER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY  
 ENGINEERS

DESIGNER  
 CNK

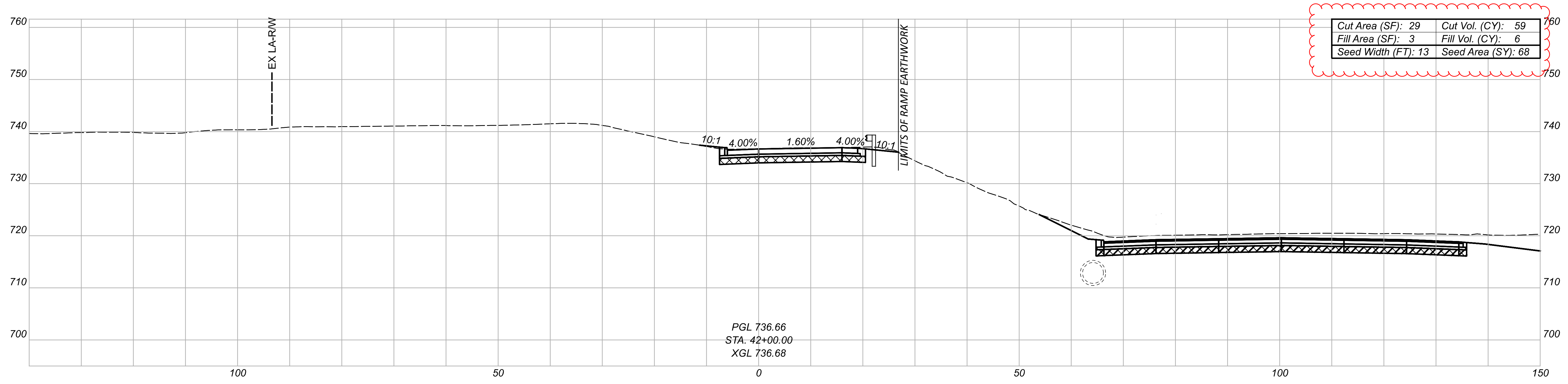
REVIEWER  
 VDK 08/09/23

Sheet Totals			76779	
Seeding	Cut	Fill	SHEET	TOTAL
136	122	12	P-0854	P.1587



Cut Area (SF): 26	Cut Vol. (CY): 51
Fill Area (SF): 5	Fill Vol. (CY): 8
Seed Width (FT): 14	Seed Area (SY): 75

- ITEM 203 - EXCAVATION WITH ITEM 304 - AGGREGATE REFILL, 6 INCHES DEEP



Cut Area (SF): 29	Cut Vol. (CY): 59
Fill Area (SF): 3	Fill Vol. (CY): 6
Seed Width (FT): 13	Seed Area (SY): 68

CROSS SECTIONS - RAMP W1 (WARREN RD TO I-90 WB)  
 STA 42+00.00 TO STA 42+50.00

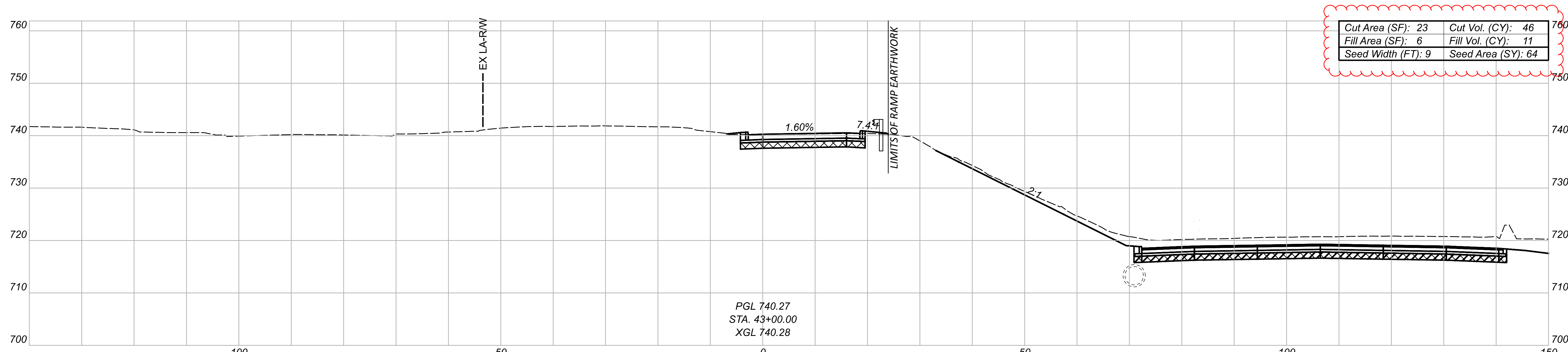
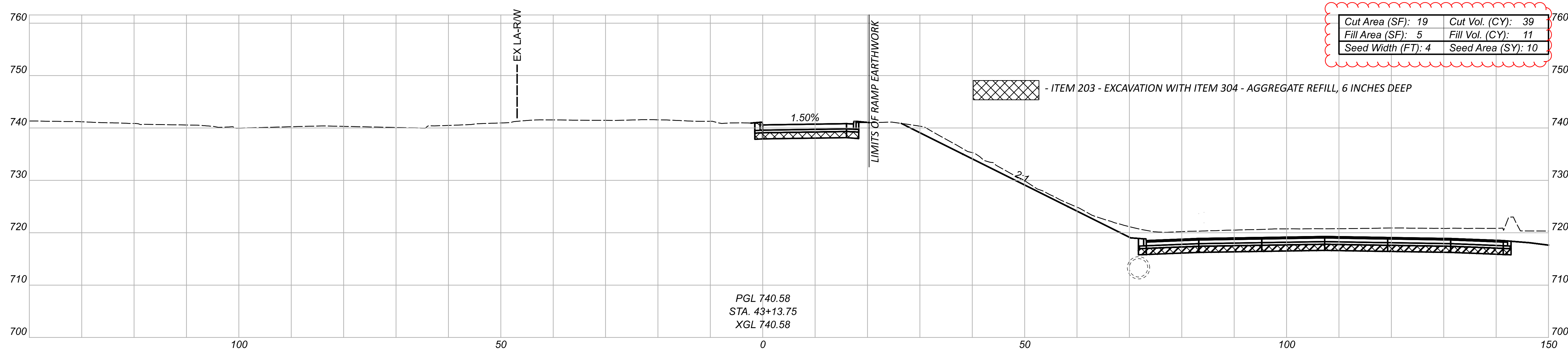
DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY ENGINEERING

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
143	110	14	P.0855	P.1587



Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
74	85	22	R-0856 P.1587

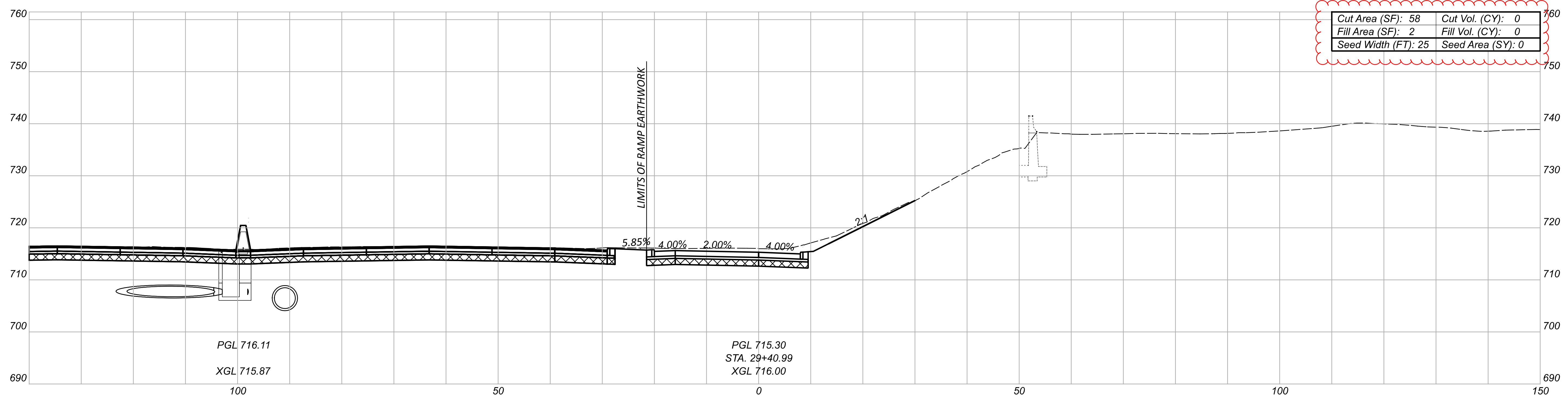
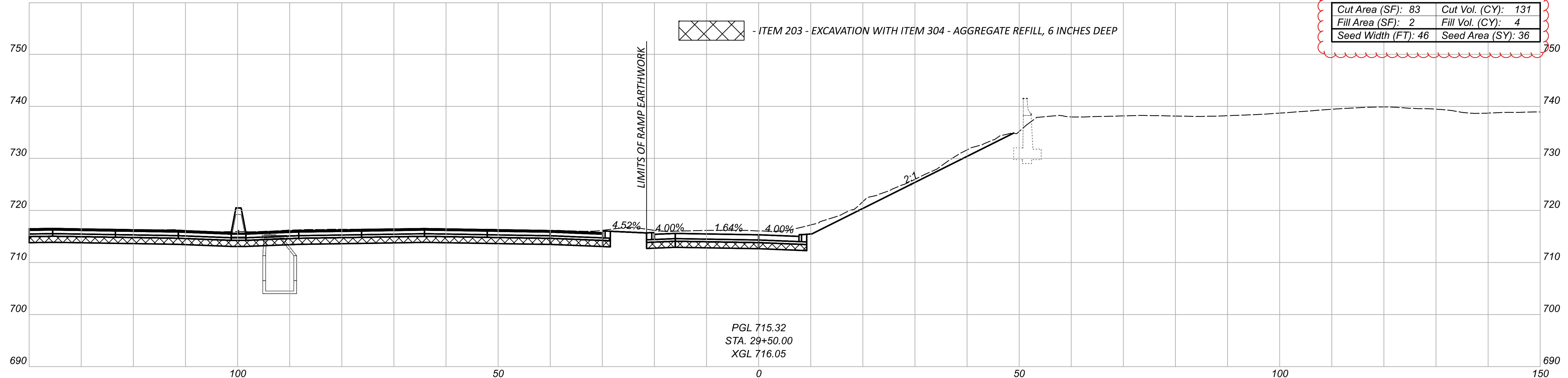
CROSS SECTIONS - RAMP W1 (WARREN RD TO I-90 WB)  
 STA 43+00.00 TO STA 43+13.75

DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY ENGINEERING  
 MOODY-ENG.COM

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779



CROSS SECTIONS - RAMP W2 (IR 90 EB TO WARREN RD)  
STA 29+40.99 TO STA 29+50.00

DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY ENGINEERING

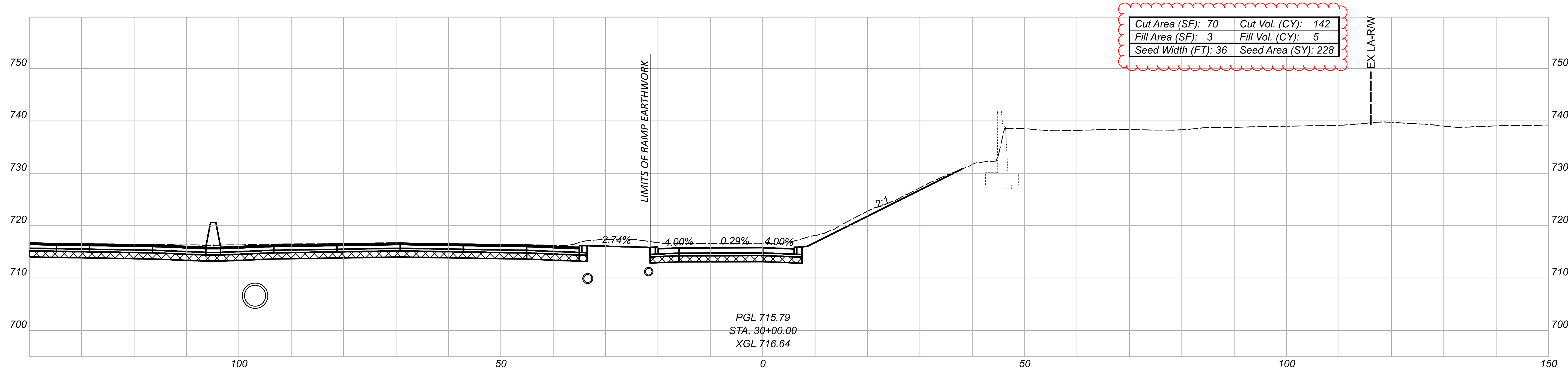
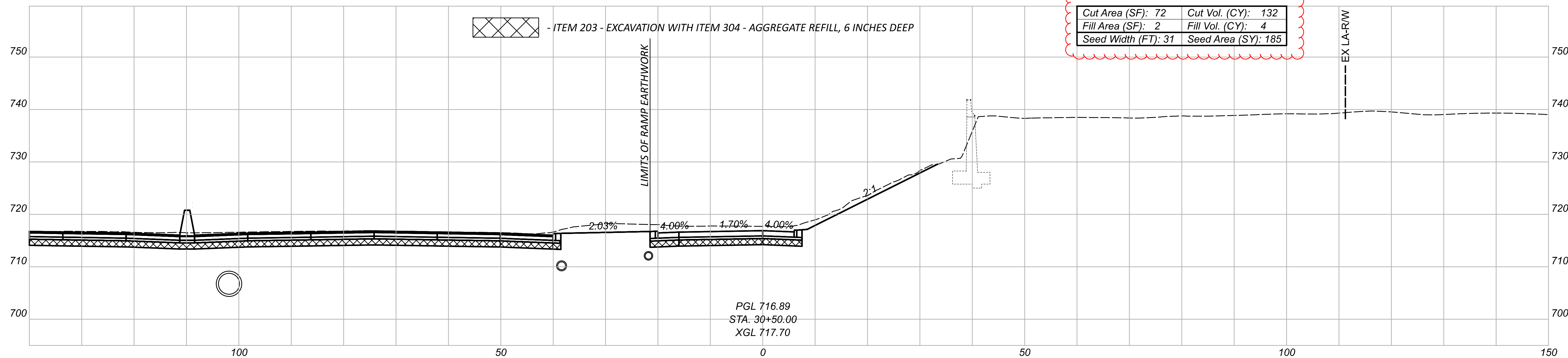
DESIGNER  
**CNK**

REVIEWER  
 VDK 08/09/23

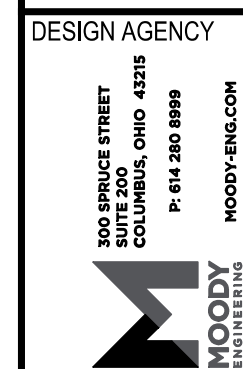
PROJECT ID  
 76779

Sheet Totals			TOTAL	
Seeding	Cut	Fill	P.0857	P.1587
36	131	4		



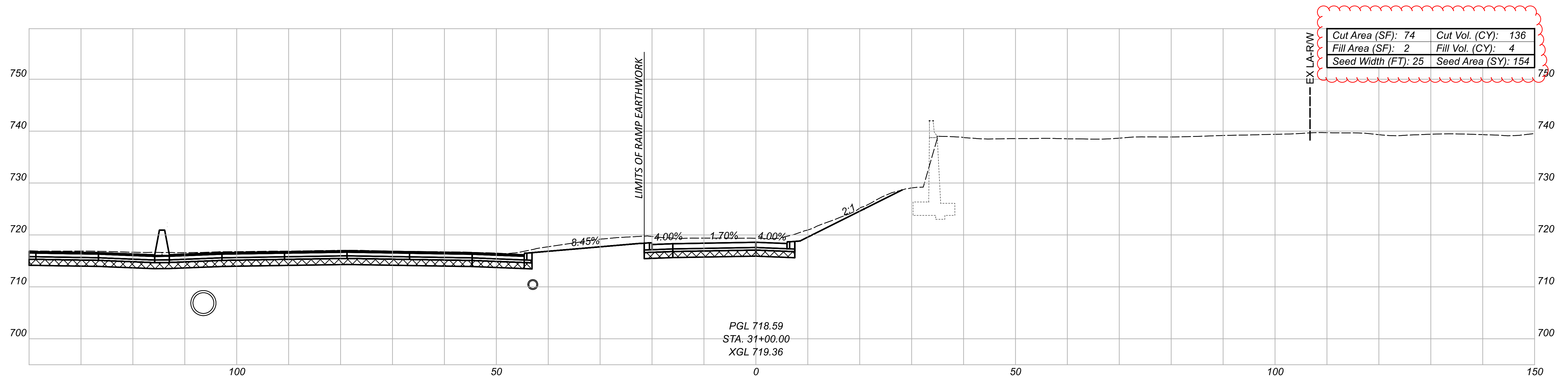
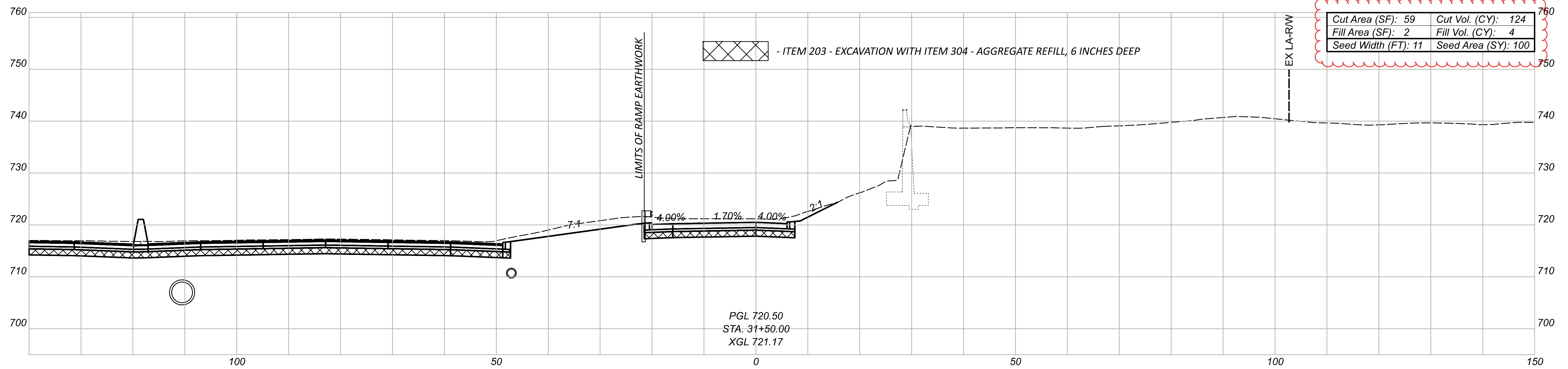


CROSS SECTIONS - RAMP W2 (IR 90 EB TO WARREN RD)  
STA 30+00.00 TO STA 30+50.00



DESIGNER: CNK  
 REVIEWER: VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
414	274	9	P.0858 P.1587

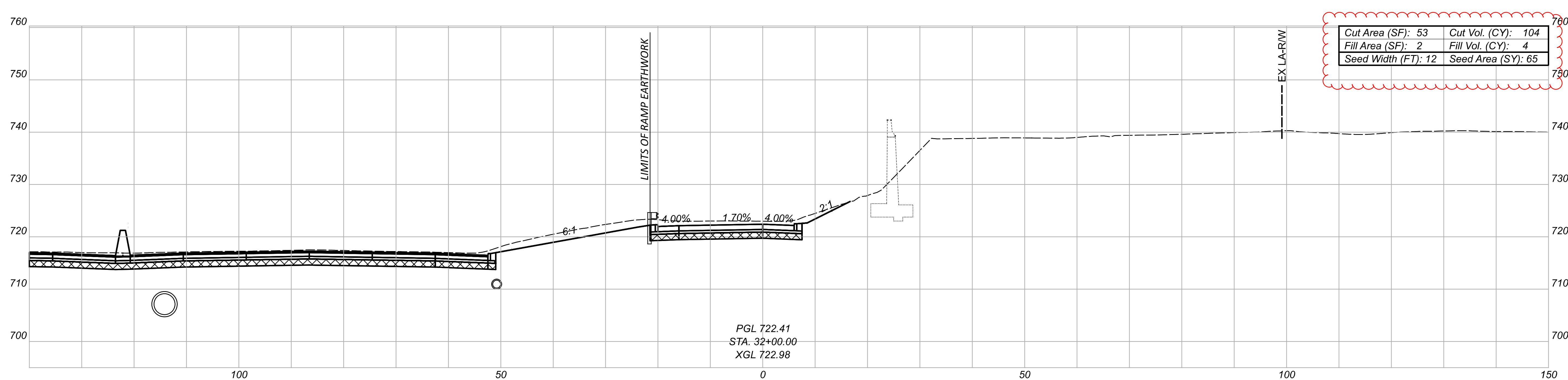
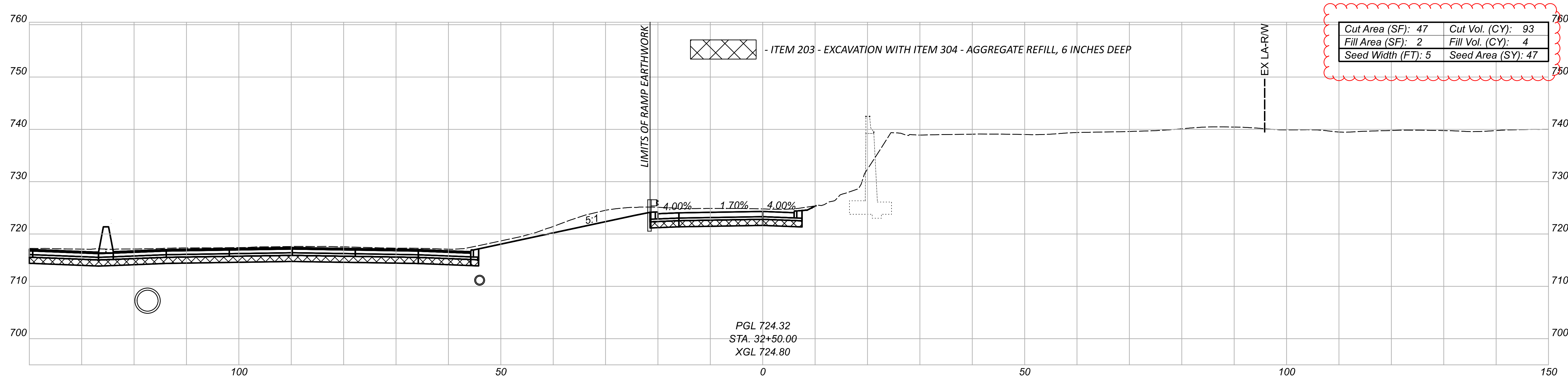


CROSS SECTIONS - RAMP W2 (IR 90 EB TO WARREN RD)  
 STA 31+00.00 TO STA 31+50.00



DESIGNER: CNK  
 REVIEWER: VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
255	260	8	P-0859 P.1587



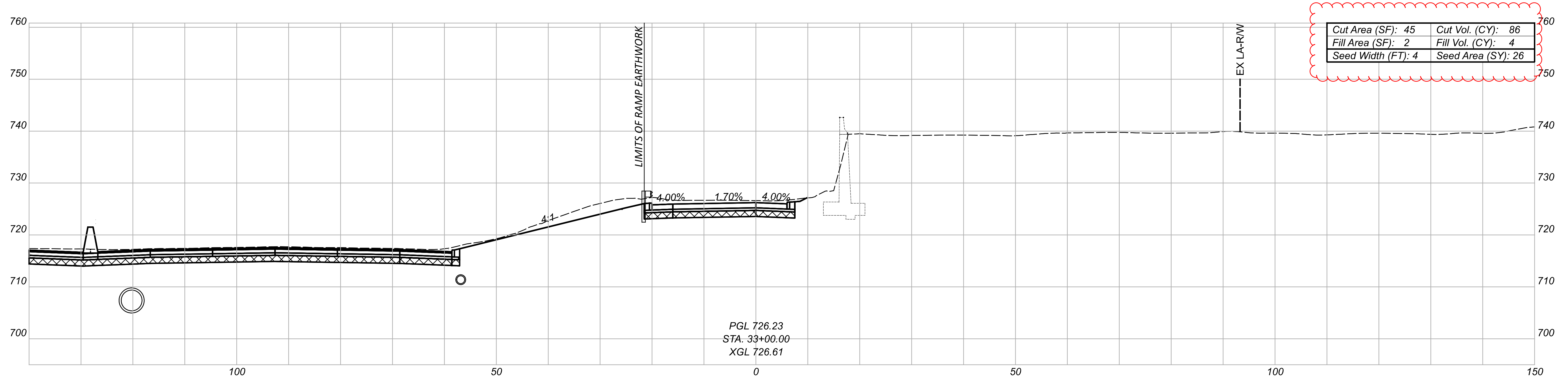
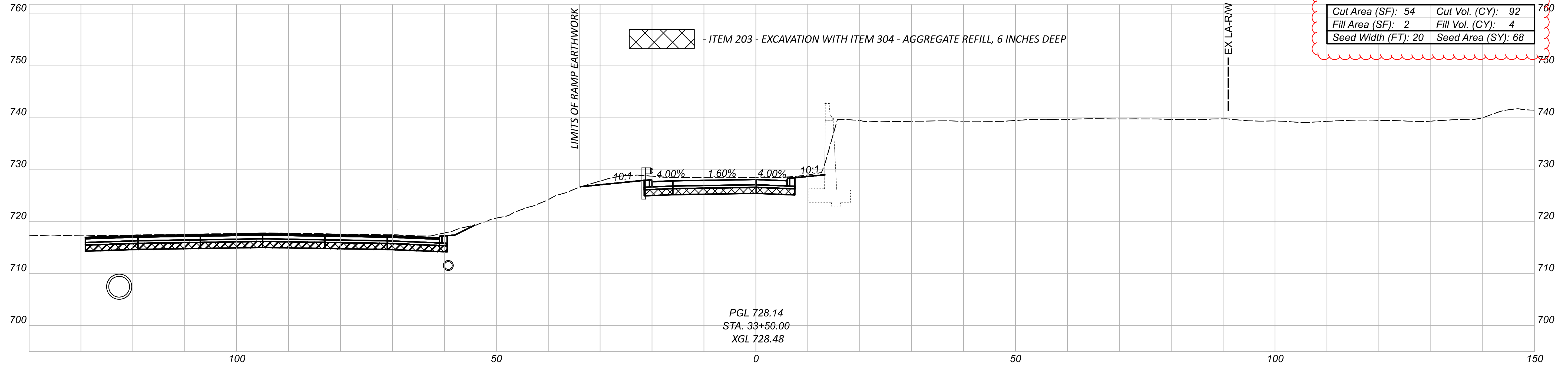
CROSS SECTIONS - RAMP W2 (IR 90 EB TO WARREN RD)  
 STA 32+00.00 TO STA 32+50.00

DESIGN AGENCY  
 300 HUNLÉ STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY  
 ENGINEERS

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
112	197	8	P.0860 P.1587

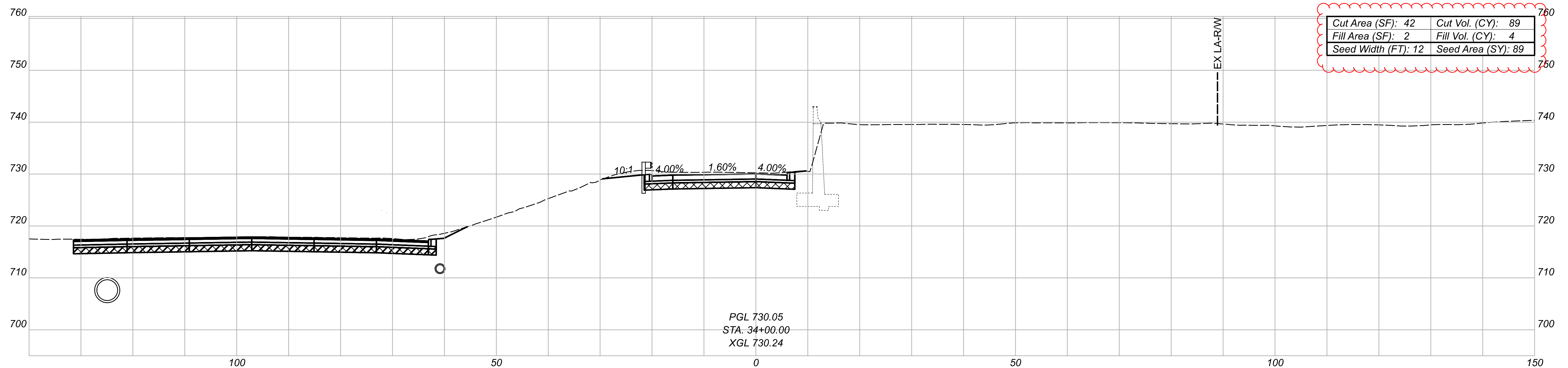
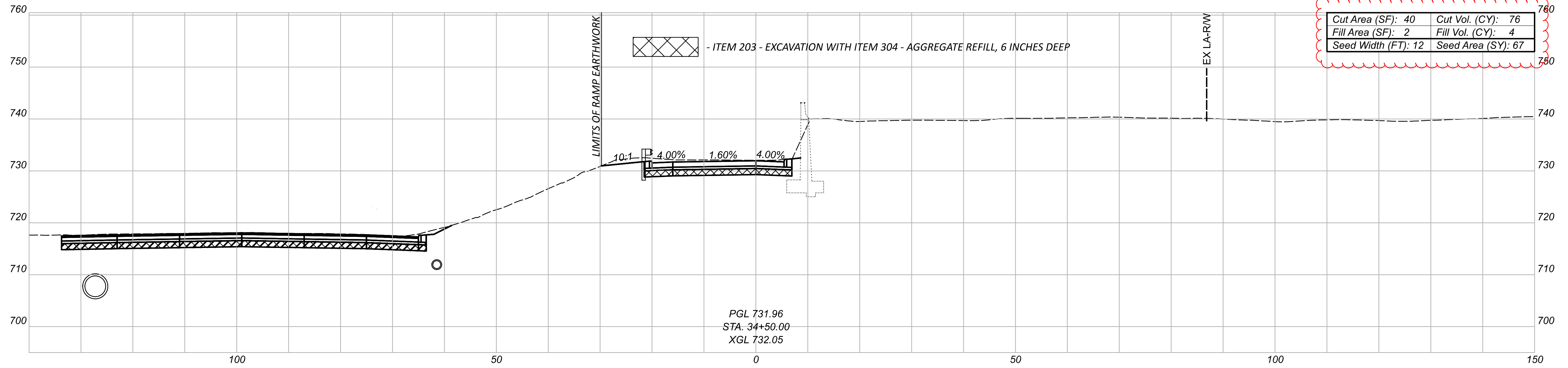


CROSS SECTIONS - RAMP W2 (IR 90 EB TO WARREN RD)  
 STA 33+00.00 TO STA 33+50.00



DESIGNER: CNK  
 REVIEWER: VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
94	178	8	P.0861   P.1587



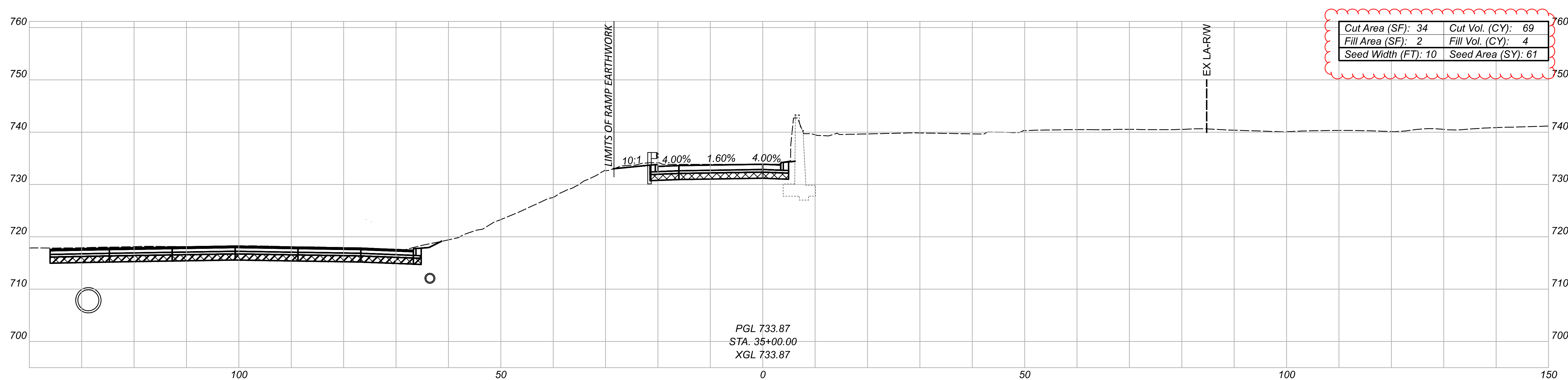
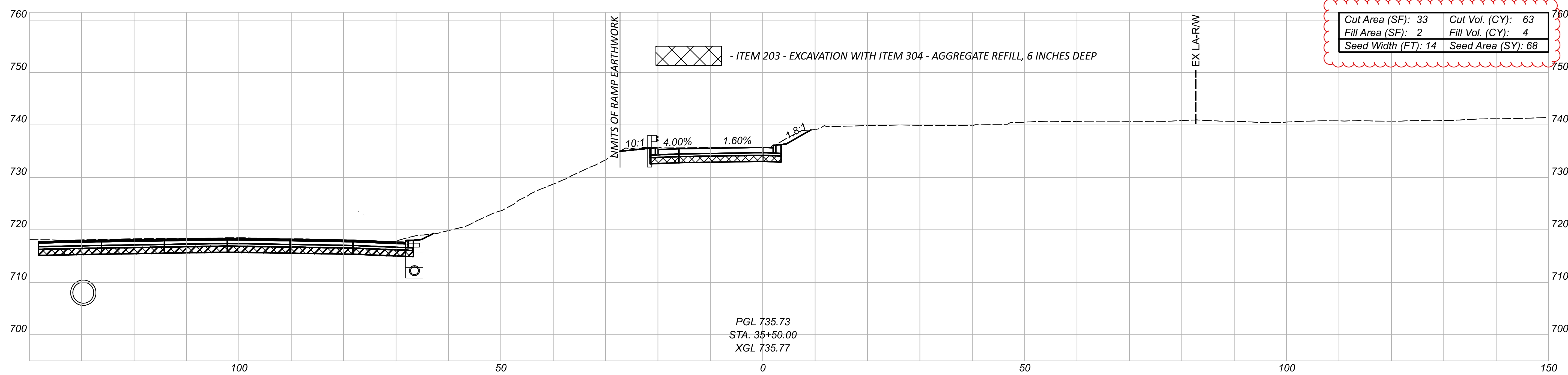
CROSS SECTIONS - RAMP W2 (IR 90 EB TO WARREN RD)  
 STA 34+00.00 TO STA 34+50.00



DESIGNER  
 CNK  
 REVIEWER  
 VDK 08/09/23

PROJECT ID	76779
SHEET TOTAL	P.0862 P.1587

Sheet Totals		
Seeding	Cut	Fill
156	165	8



CROSS SECTIONS - RAMP W2 (IR 90 EB TO WARREN RD)  
 STA 35+00.00 TO STA 35+50.00

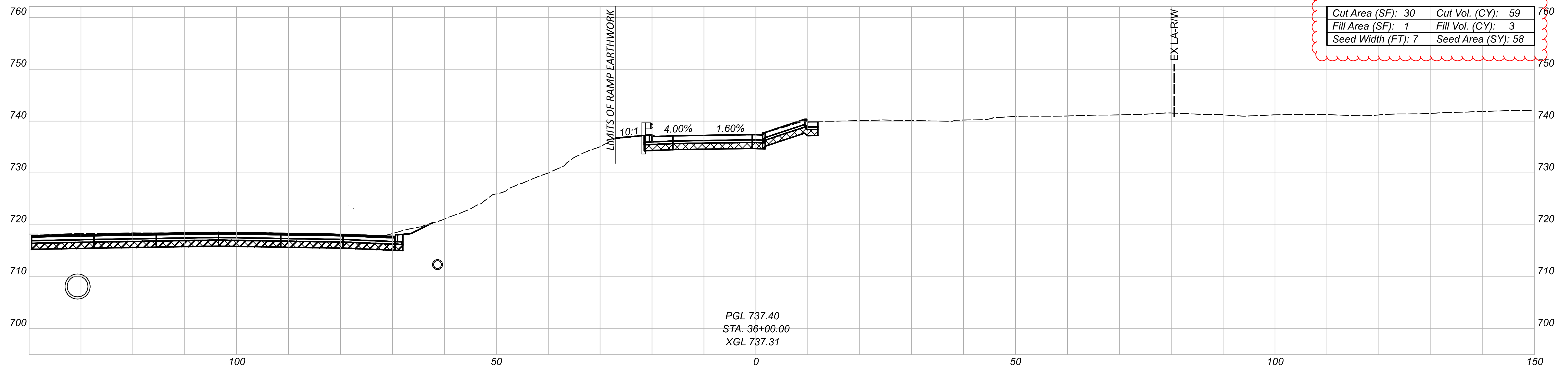
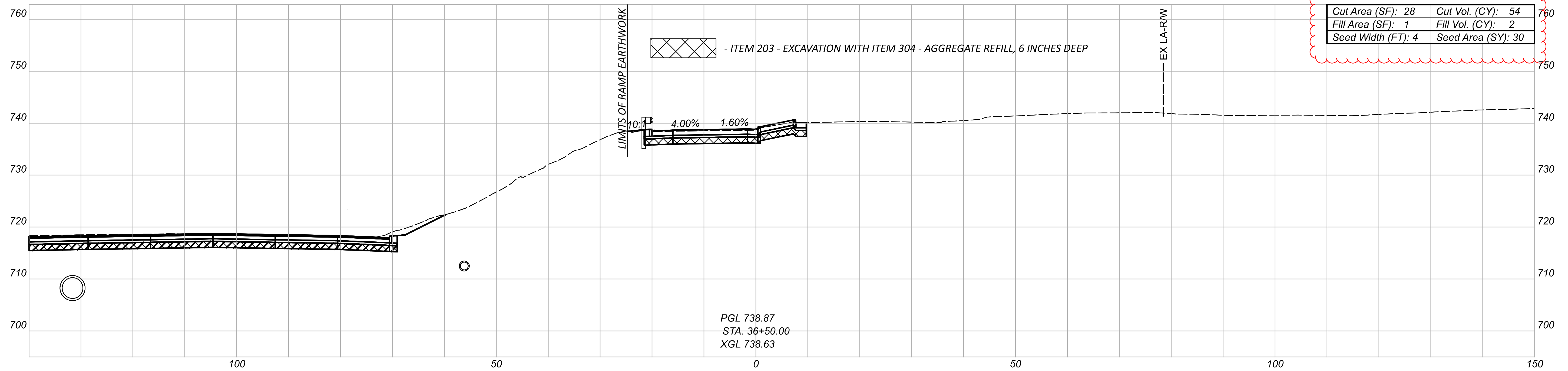


DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

Sheet Totals			TOTAL	
Seeding	Cut	Fill	P.0863	P.1587
129	132	8		



CROSS SECTIONS - RAMP W2 (IR 90 EB TO WARREN RD)  
 STA 36+00.00 TO STA 36+50.00

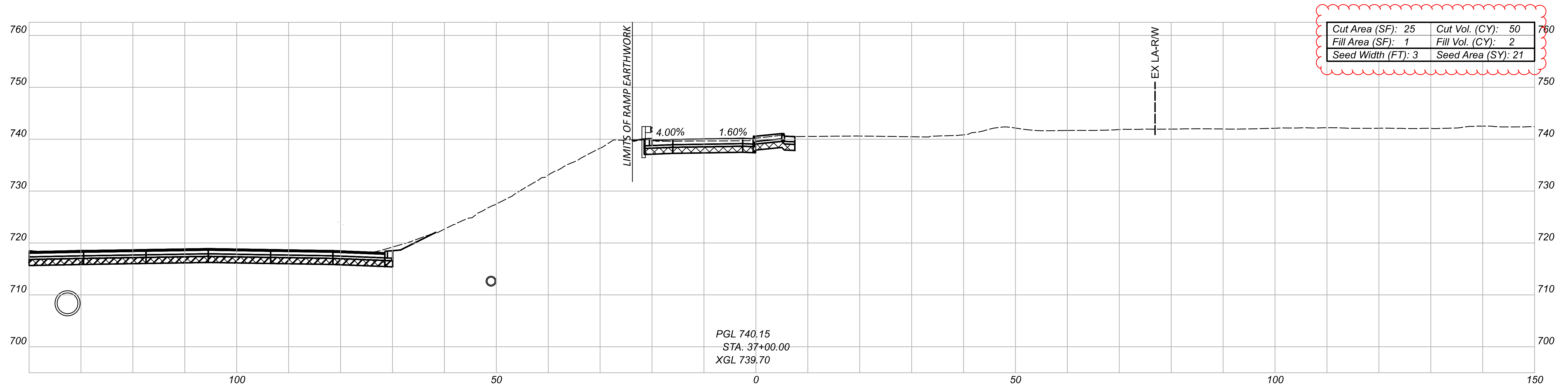
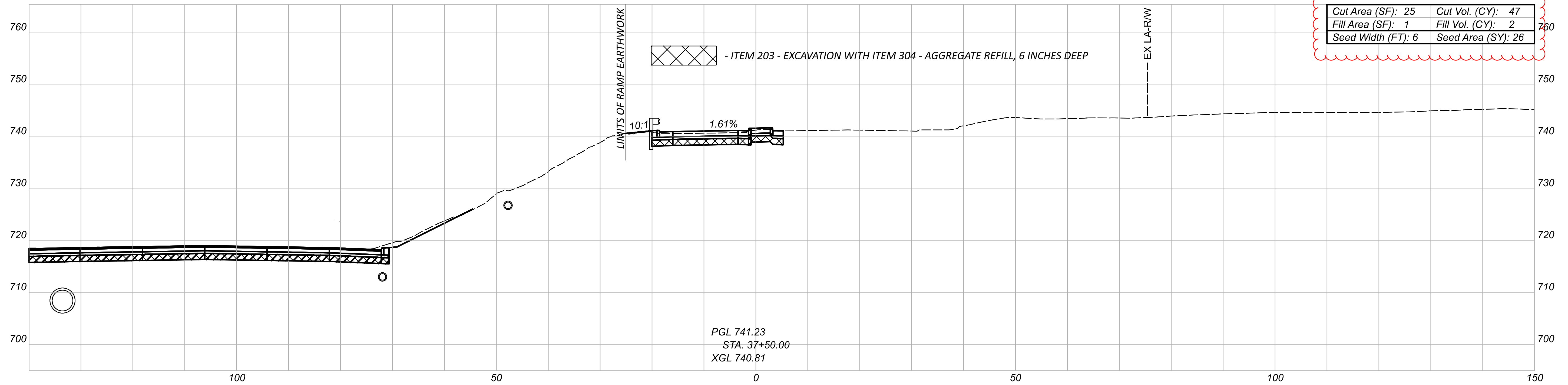


DESIGNER  
 CNK

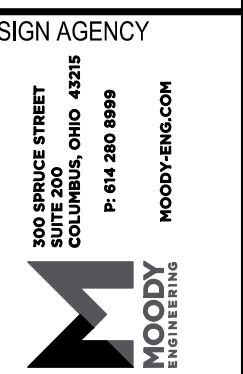
REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

Sheet Totals			TOTAL	
Seeding	Cut	Fill	P.0864	P.1587
87	113	5		



CROSS SECTIONS - RAMP W2 (IR 90 EB TO WARREN RD)  
 STA 37+00.00 TO STA 37+50.00



DESIGNER  
 CNK

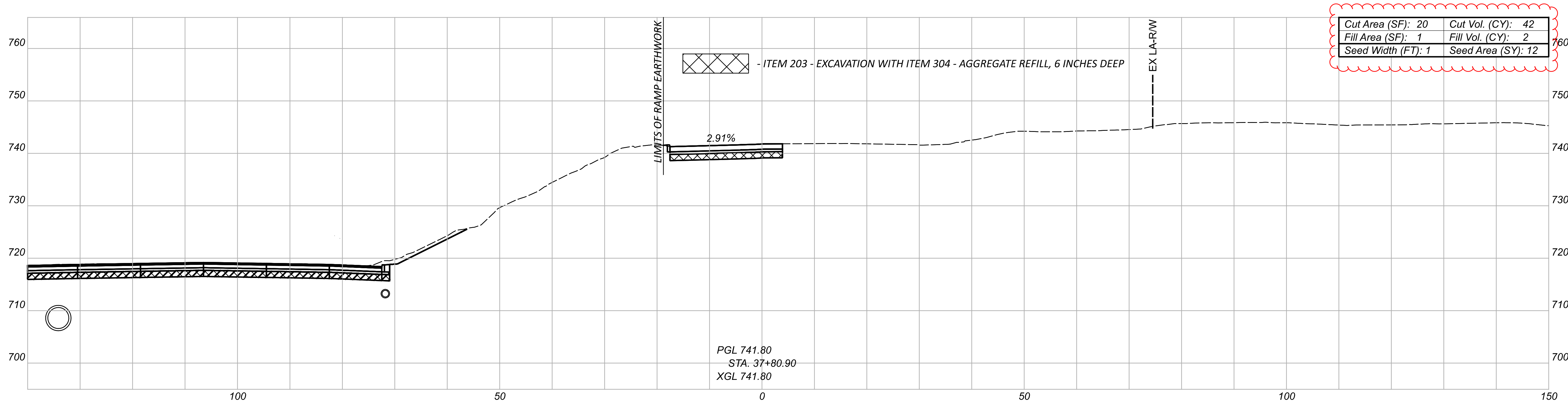
REVIEWER  
 VDK

PROJECT ID  
 08/09/23

76779

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.0865	P.1587
47	97	4		





PGL 741.80  
 STA. 37+80.90  
 XGL 741.80

CROSS SECTIONS - RAMP W2 (IR 90 EB TO WARREN RD)  
 STA 37+80.90

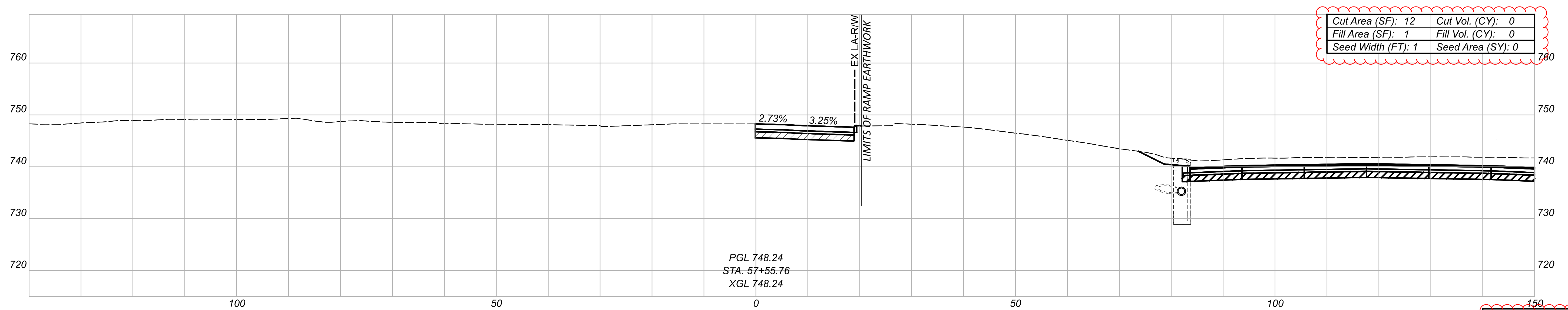
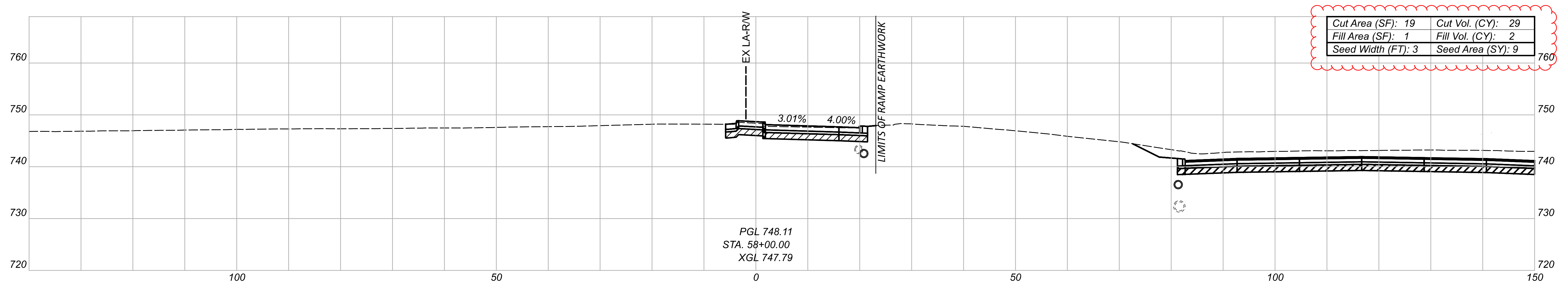
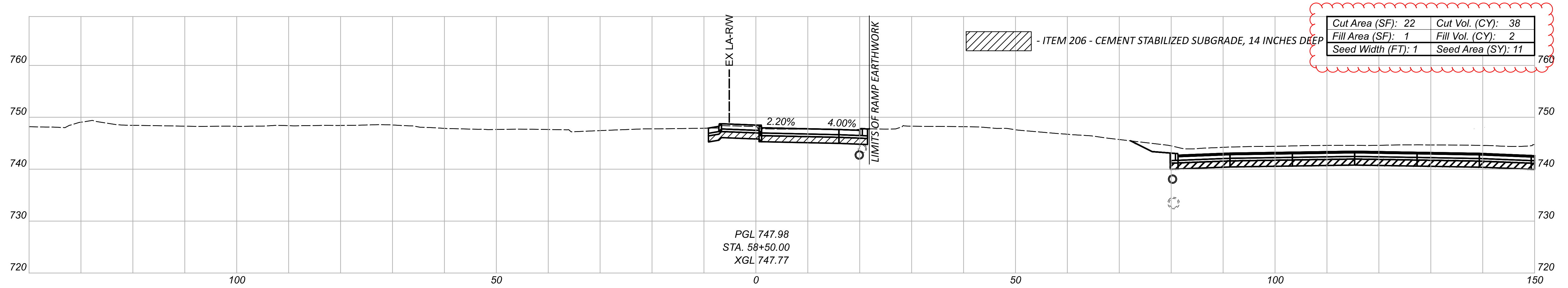
DESIGN AGENCY  
 300 HUNGE STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.280.8999  
 MOODY  
 ENGINEERS

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.0866	P.1587
12	42	2		



Sheet Totals			76779	
Seeding	Cut	Fill	SHEET	TOTAL
20	4	67	P.0867	P.1587

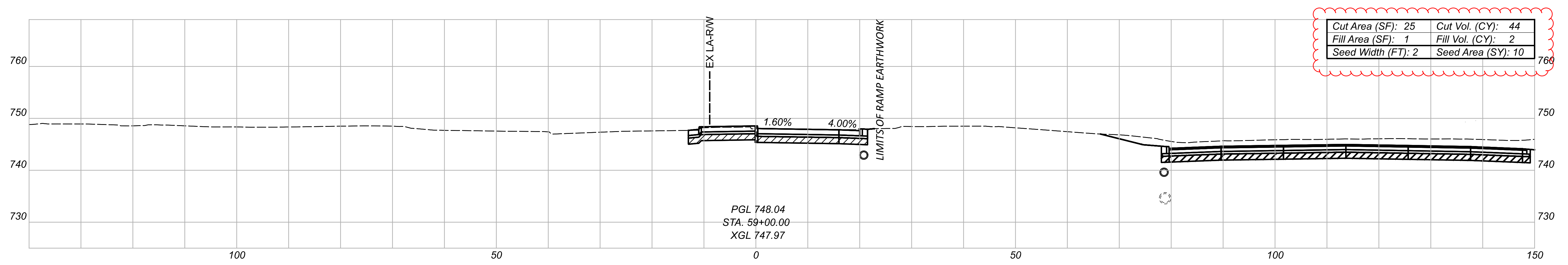
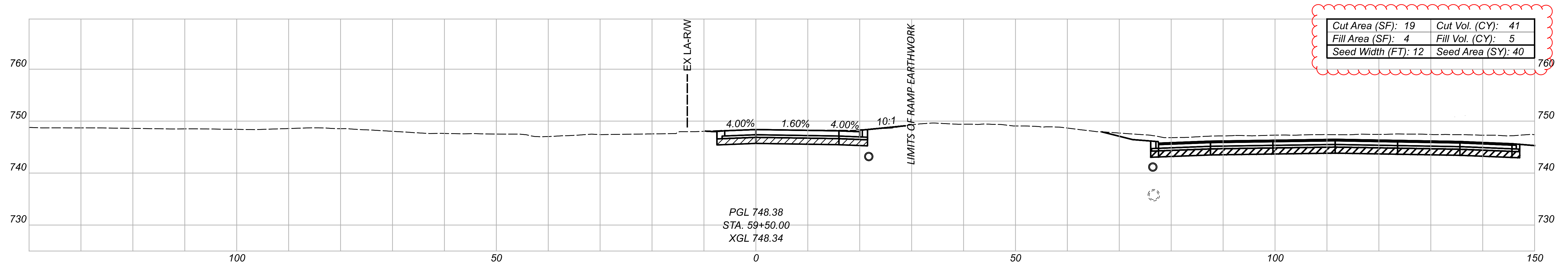
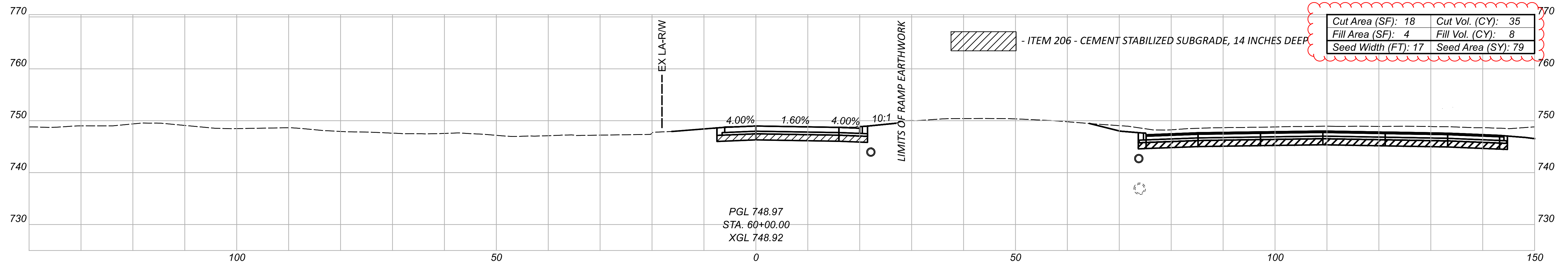
CROSS SECTIONS - RAMP W1A (IR 90 WB TO WARREN ROAD)  
 STA 57+55.76 TO STA 58+50.00

DESIGN AGENCY  
 300 SINGLE STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY-ENR.COM

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779



CROSS SECTIONS - RAMP W1A (IR 90 WB TO WARREN ROAD)  
STA 59+00.00 TO STA 60+00.00

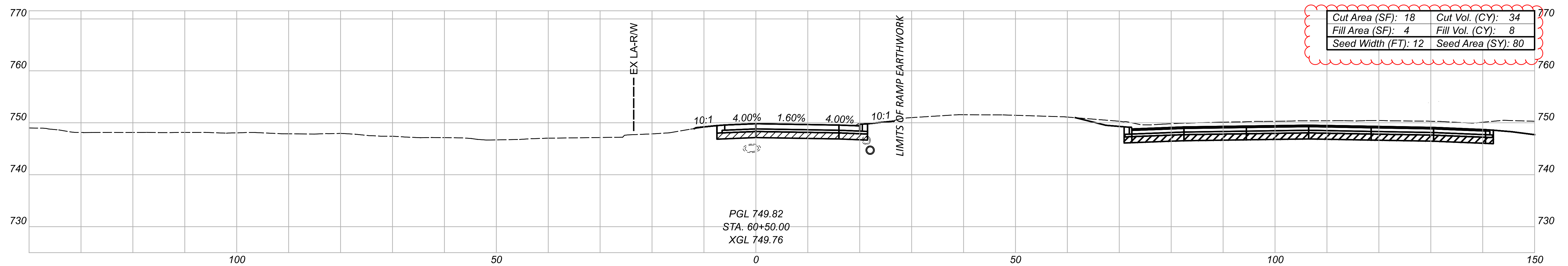
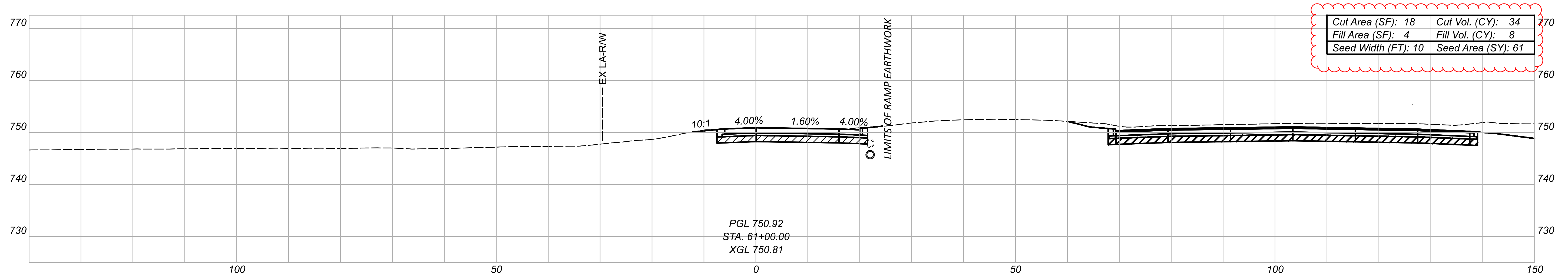
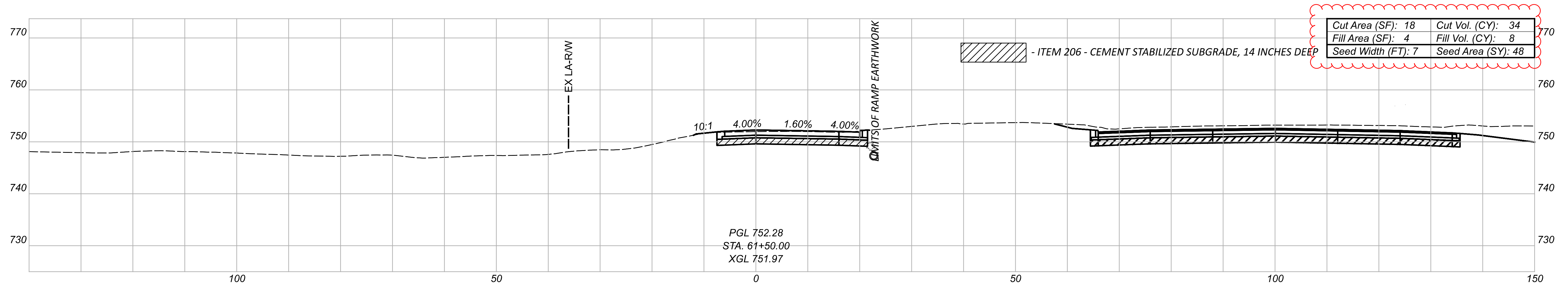
DESIGN AGENCY  
 300 SINGLE STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY  
 ENGINEERS

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

Sheet Totals			TOTAL	
Seeding	Cut	Fill	R	P
129	120	15	0.0868	1.1587

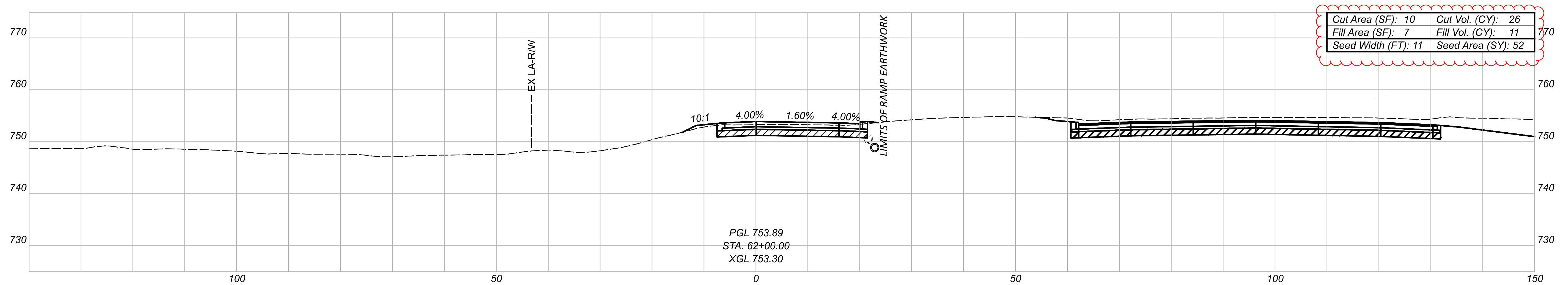
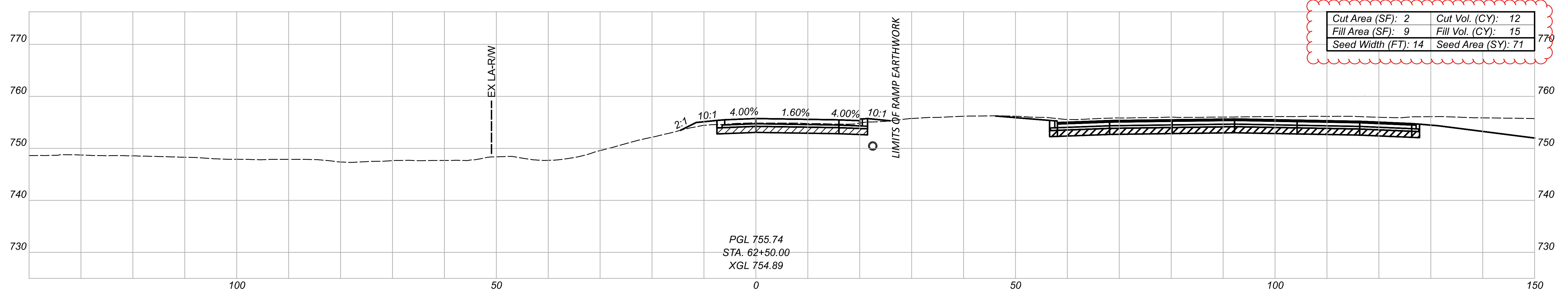
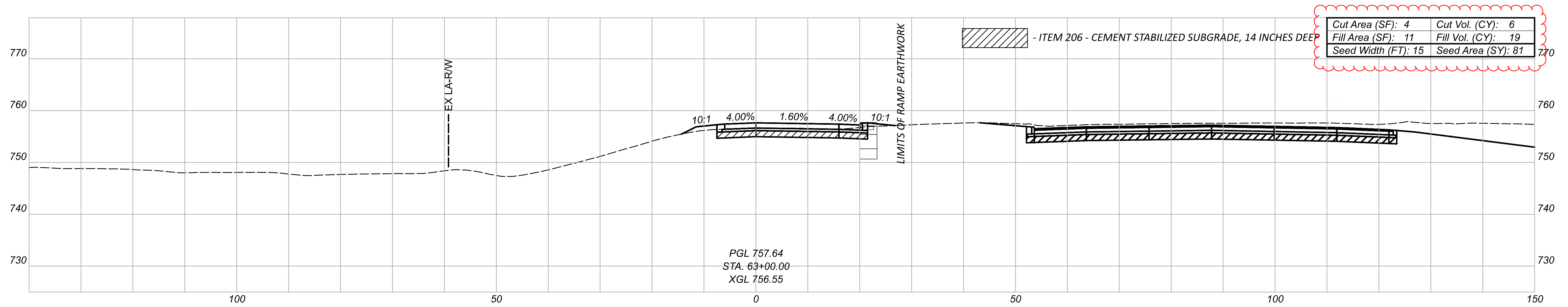


CROSS SECTIONS - RAMP W1A (IR 90 WB TO WARREN ROAD)  
 STA 60+50.00 TO 61+50.00



DESIGNER: CNK  
 REVIEWER: VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	TOTAL
189	102	24	P.0869 P.1587



CROSS SECTIONS - RAMP W1A (IR 90 WB TO WARREN ROAD)  
 STA 62+00.00 TO STA 63+00.00

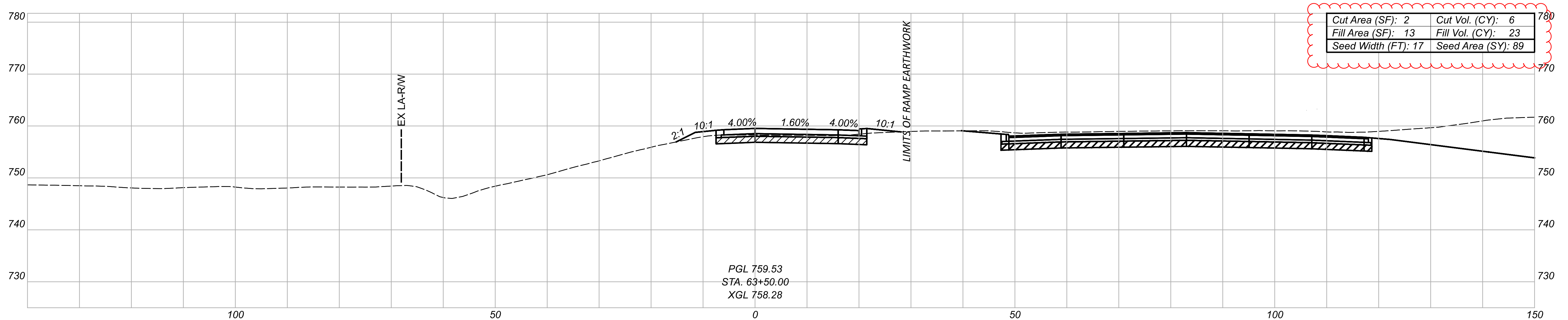
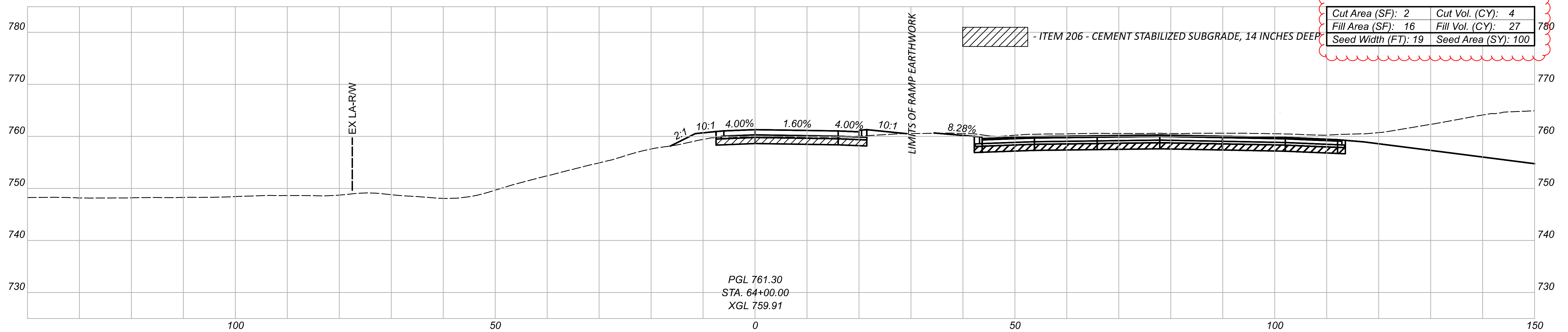


DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
204	44	45	P.0870 P.1587



Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
191	10	50	P.0871   P.1587

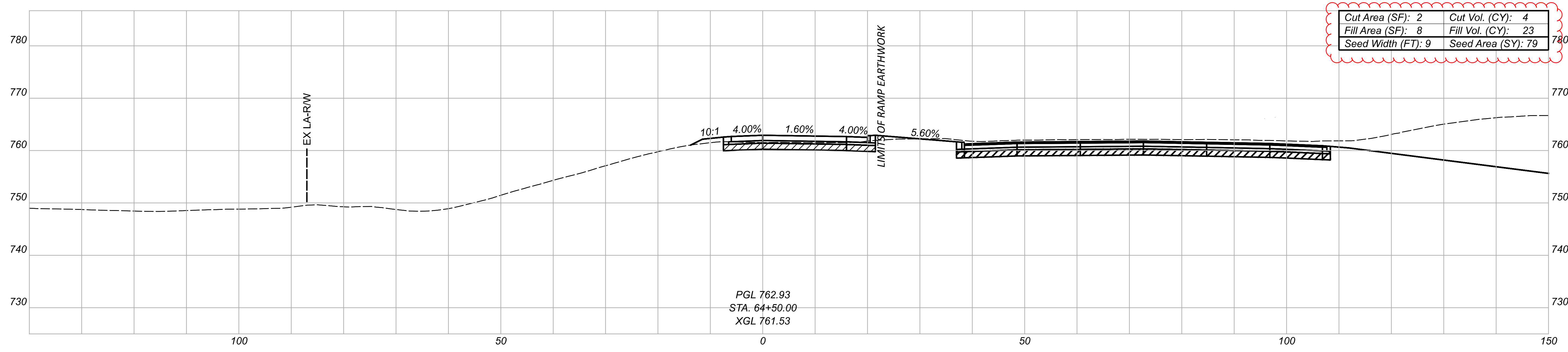
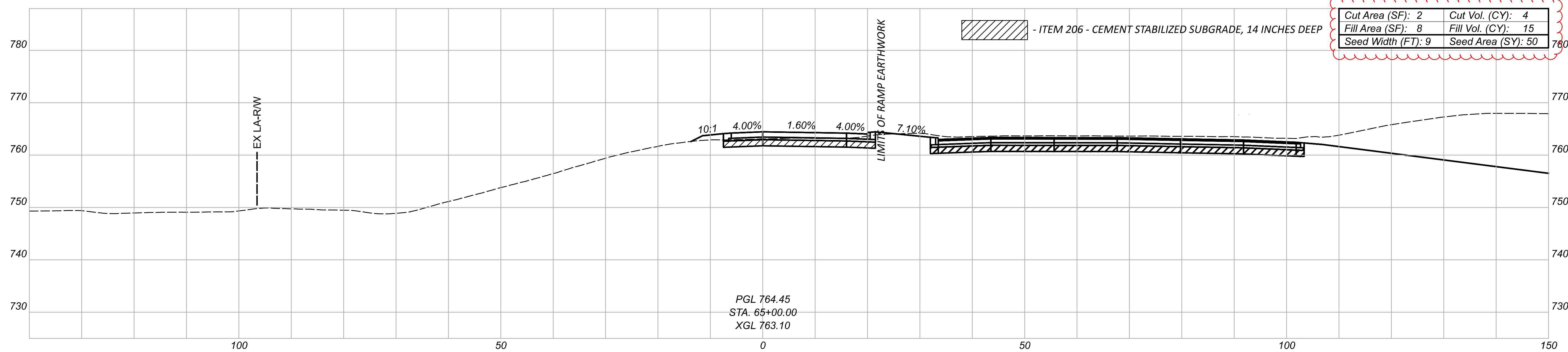
CROSS SECTIONS - RAMP W1A (IR 90 WB TO WARREN ROAD)  
 STA 63+50.00 TO STA 64+00.00

DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY ENGINEERING  
 MOODY-ENG.COM

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779



CROSS SECTIONS - RAMP W1A (IR 90 WB TO WARREN RD)  
 STA 64+50.00 TO STA 65+00.00

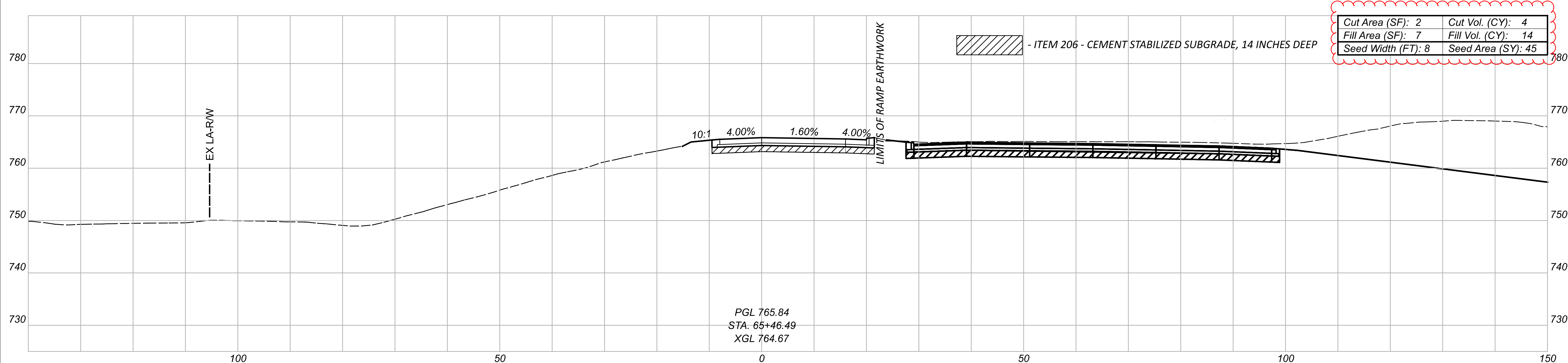
DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
**MOODY**  
 ENGINEERS

DESIGNER  
**CNK**

REVIEWER  
**VDK 08/09/23**

PROJECT ID  
**76779**

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	P.1587
129	8	38	R.0872	P.1587



PGL 765.84  
 STA. 65+46.49  
 XGL 764.67

CROSS SECTIONS - RAMP W1A (IR 90 WB TO WARREN RD)  
 STA 65+46.49

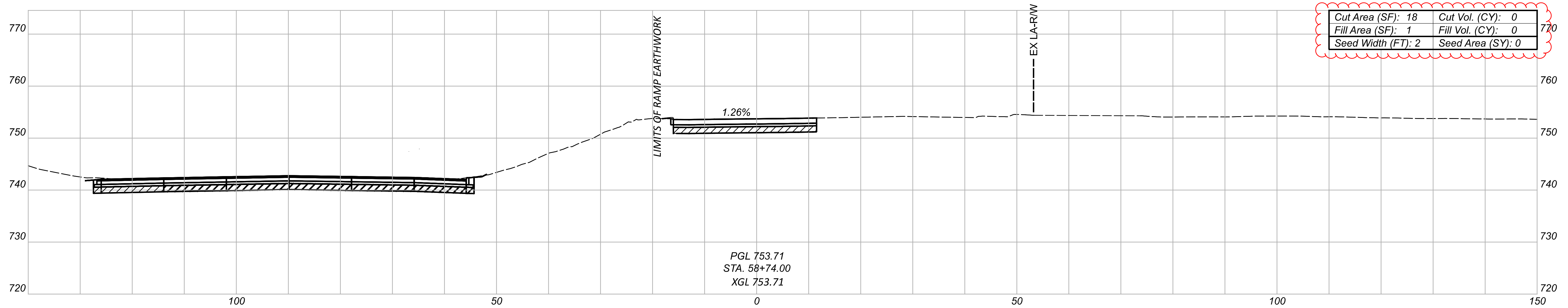
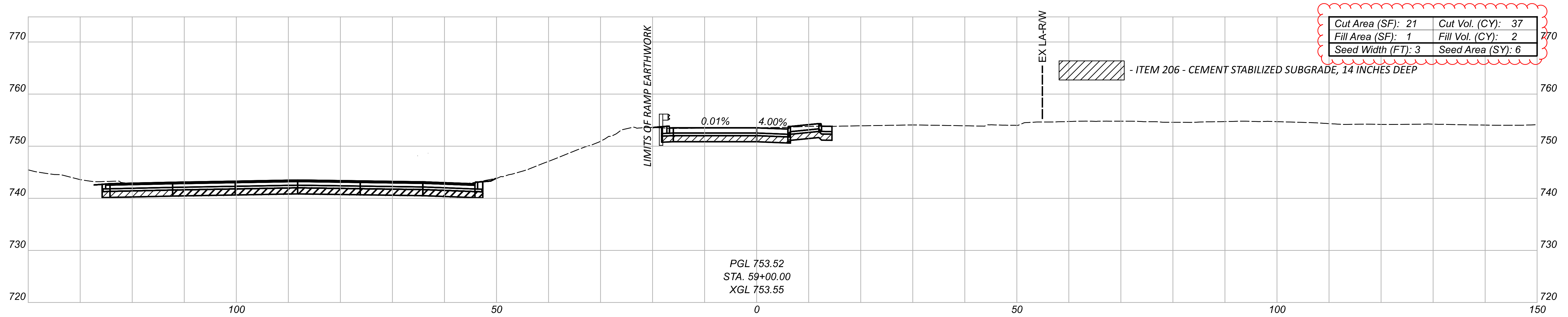


DESIGNER  
 CNK  
 REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779  
 SHEET TOTAL  
 P.0873 P.1587

Sheet Totals		
Seeding	Cut	Fill
45	4	14





CROSS SECTIONS - RAMP W2A (WARREN RD TO IR 90 EB)  
 STA 58+74.00 TO STA 59+00.00



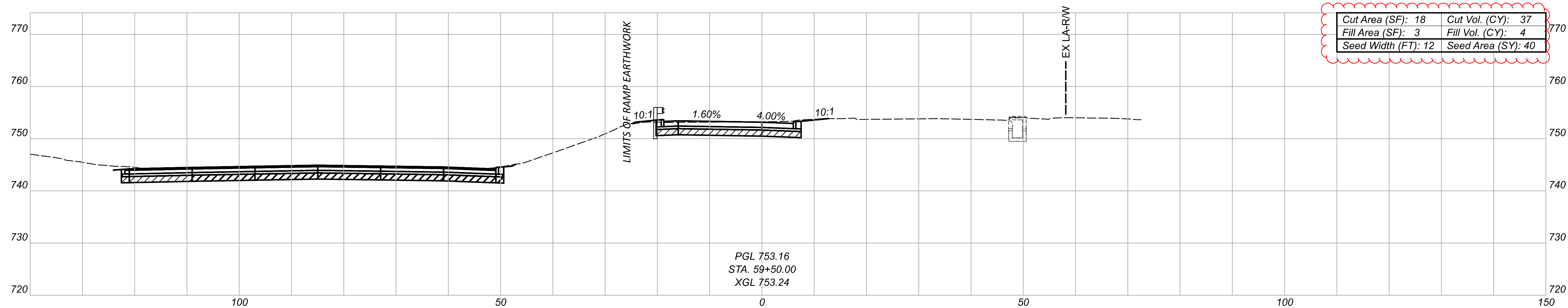
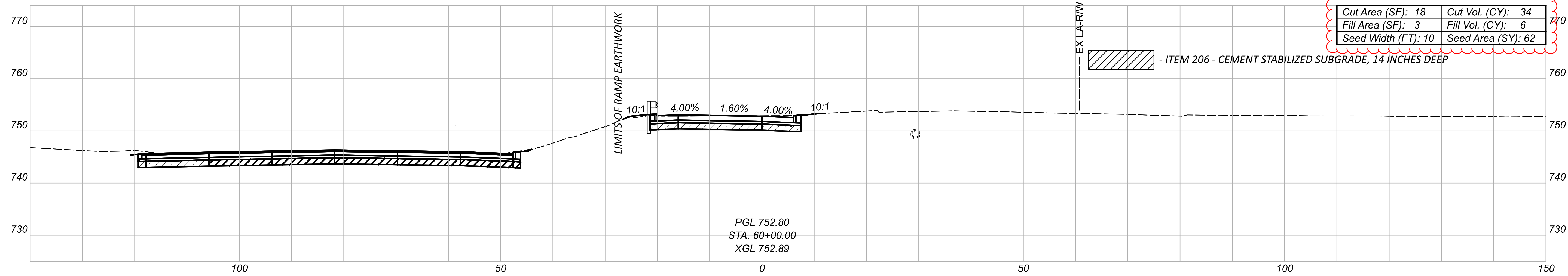
DESIGNER  
 CNK

REVIEWER  
 VDK

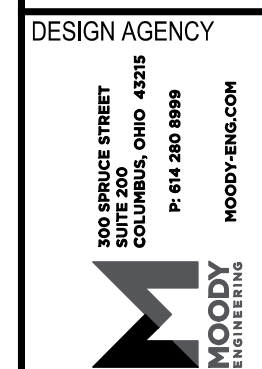
DATE  
 08/09/23

PROJECT ID  
 76779

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	P.1587
6	37	2	P.0874	P.1587



CROSS SECTIONS - RAMP 2A (WARREN RD TO IR 90 EB)  
 STA 59+50.00 TO STA 60+00.00



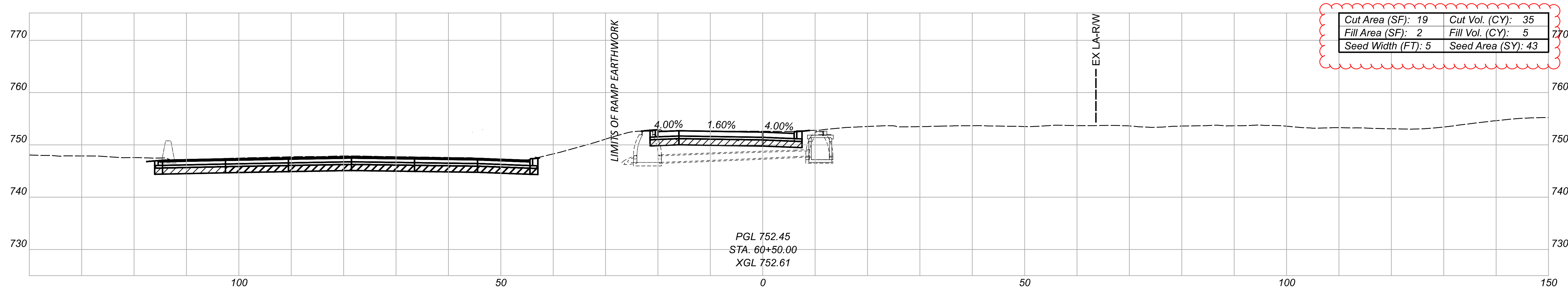
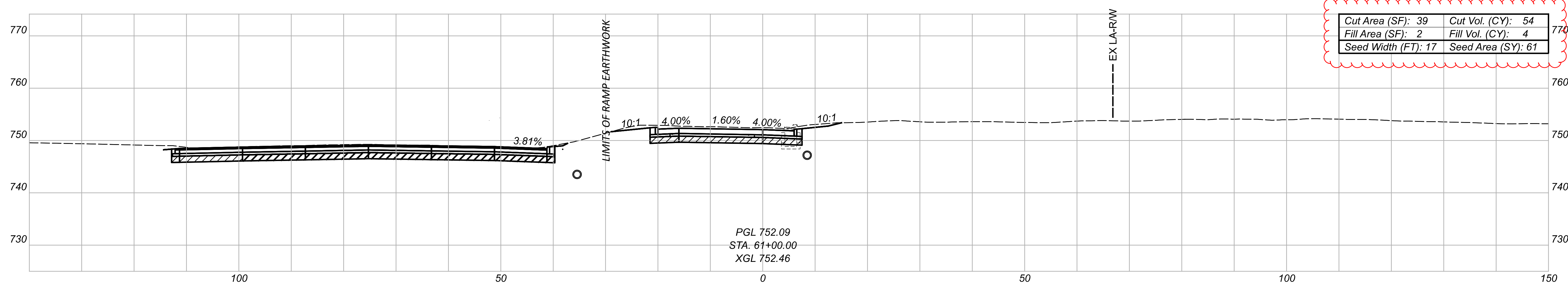
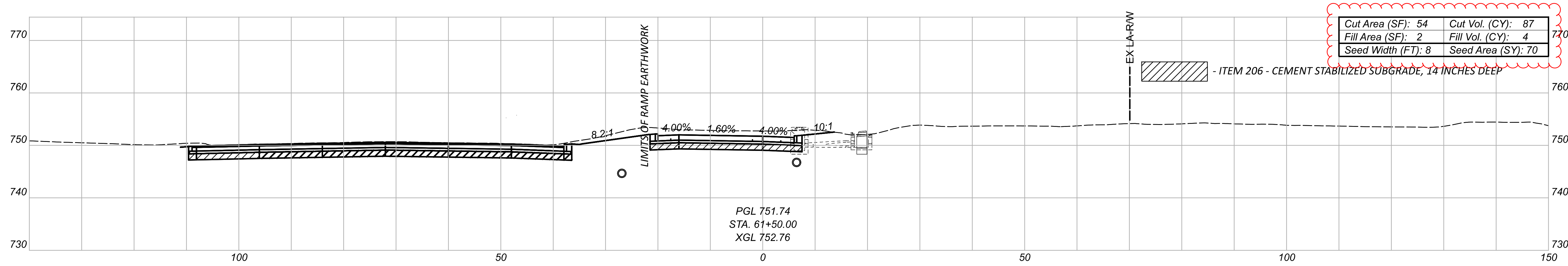
DESIGNER  
 CNK

REVIEWER  
 VDK

08/09/23

PROJECT ID  
 76779

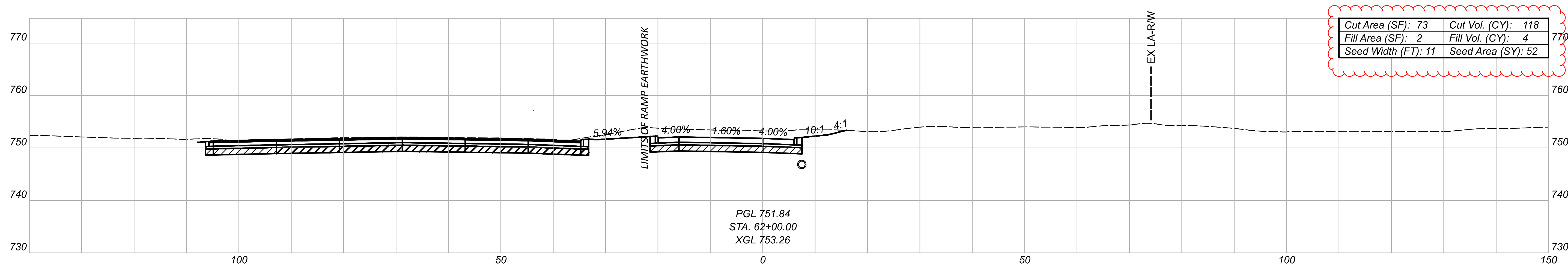
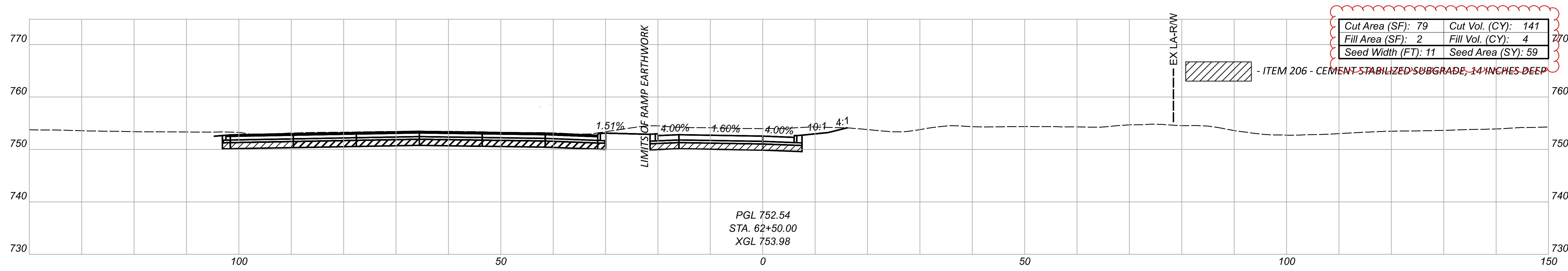
Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
102	71	10	P.0875 P.1587



Sheet Totals			PROJECT ID	
Seeding	Cut	Fill	SHEET	TOTAL
174	176	13	P.0876	P.1587

CROSS SECTIONS - RAMP W2A (WARREN RD TO IR 90 EB)  
 STA 60+50.00 TO STA 61+50.00

DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY  
 ENGINEERS  
 DESIGNER  
 CNK  
 REVIEWER  
 VDK 08/09/23  
 PROJECT ID  
 76779



Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
111	259	8	P.0877 P.1587

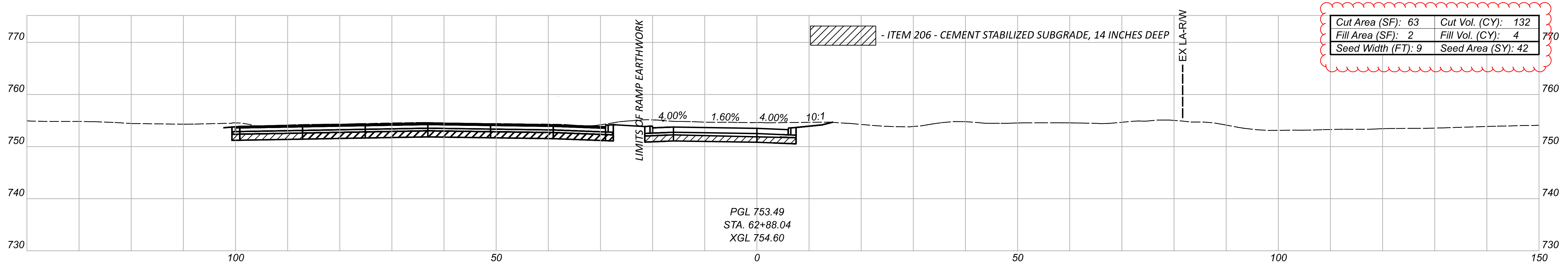
CROSS SECTIONS - RAMP W2A (WARREN RD TO IR 90 EB)  
 STA 62+00.00 TO STA 62+50.00

DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.230.8999  
 MOODY ENGINEERING  
 MOODY-ENG.COM

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779



CROSS SECTIONS - RAMP W2A (WARREN RD TO IR 90 EB)  
 STA 62+88.04

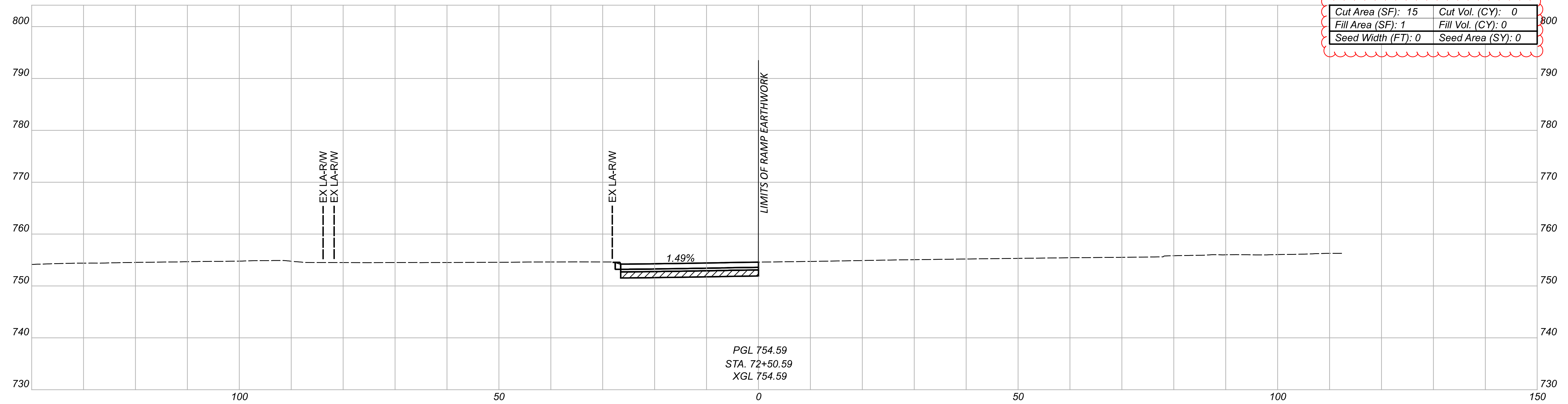
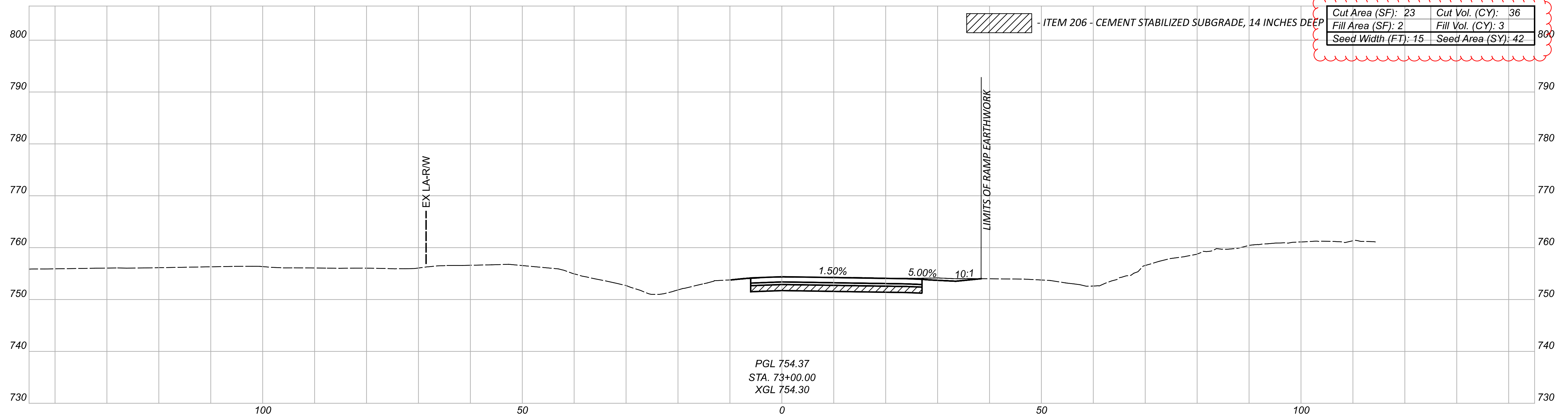


DESIGN AGENCY  
 CNK

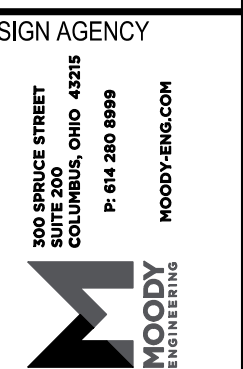
REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.0878	P.1587
42	132	4		

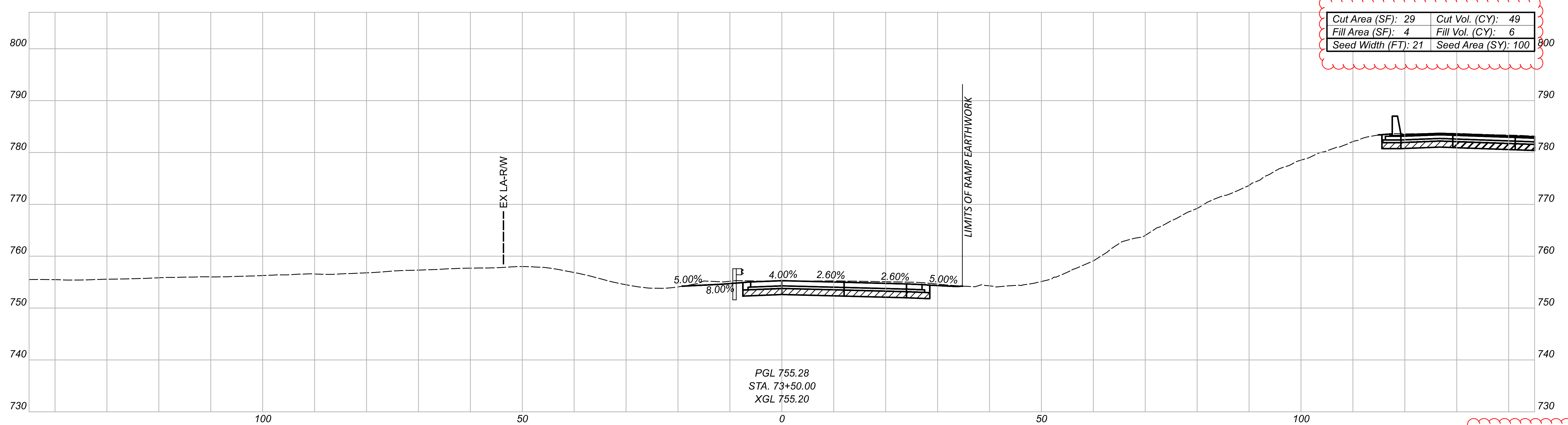
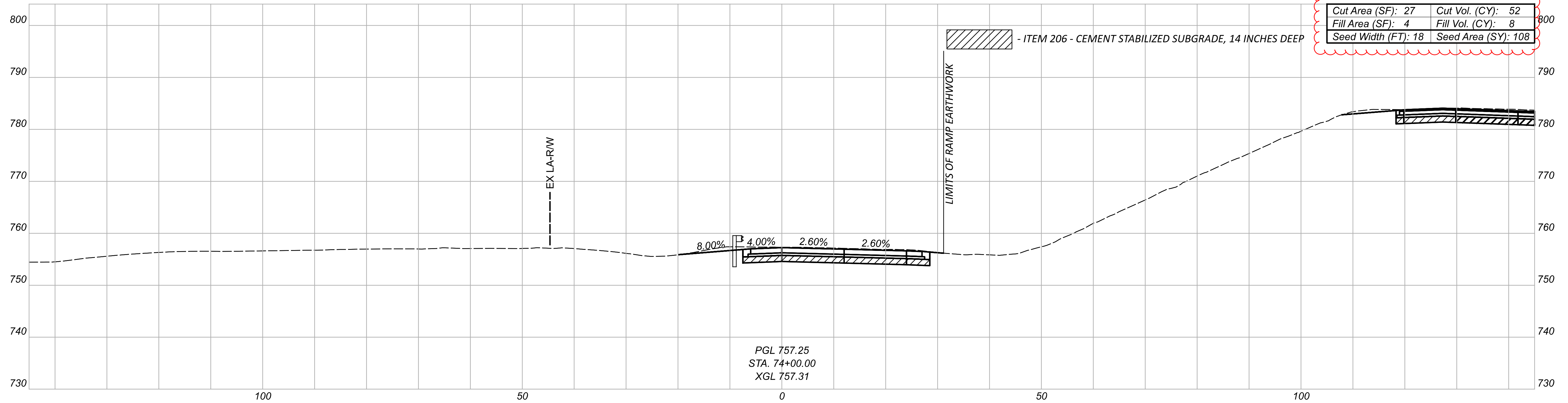


CROSS SECTIONS - RAMP 140-3 (IR 90 WB TO 140TH ST)  
 STA. 72+50.59 TO STA. 73+00.00



DESIGNER: CNK  
 REVIEWER: VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
42	36	3	P.0879 P.1587



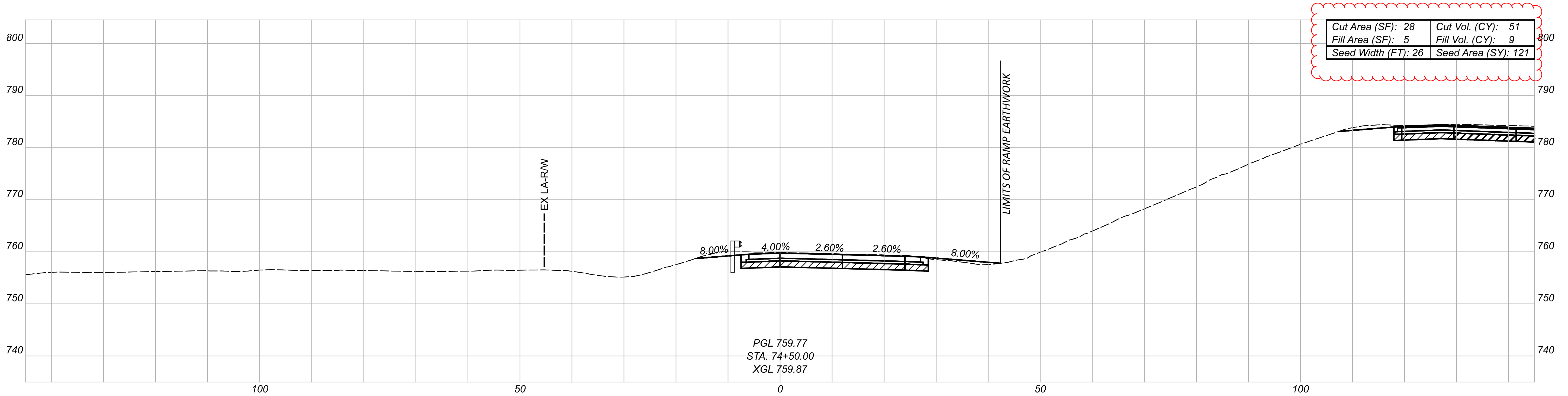
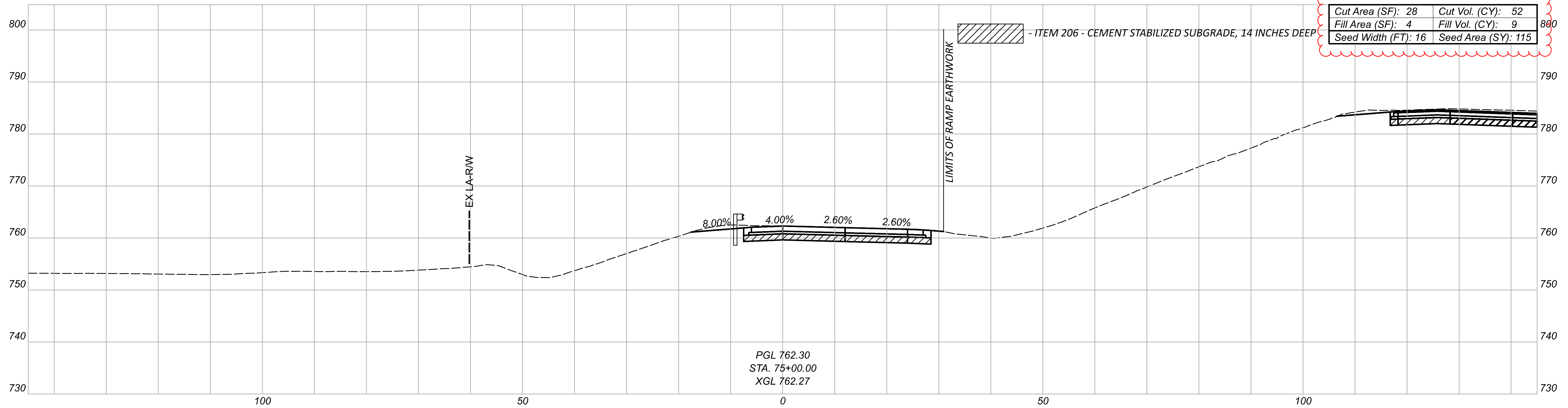
Sheet Totals			PROJECT ID	
Seeding	Cut	Fill	SHEET	TOTAL
208	101	14	P.0880	P.1587

DESIGN AGENCY  
 300 HUNGER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY  
 ENGINEERS

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

CROSS SECTIONS - RAMP 140-3 (IR 90 WB TO 140TH ST)  
 STA 73+50.00 TO STA 74+00.00



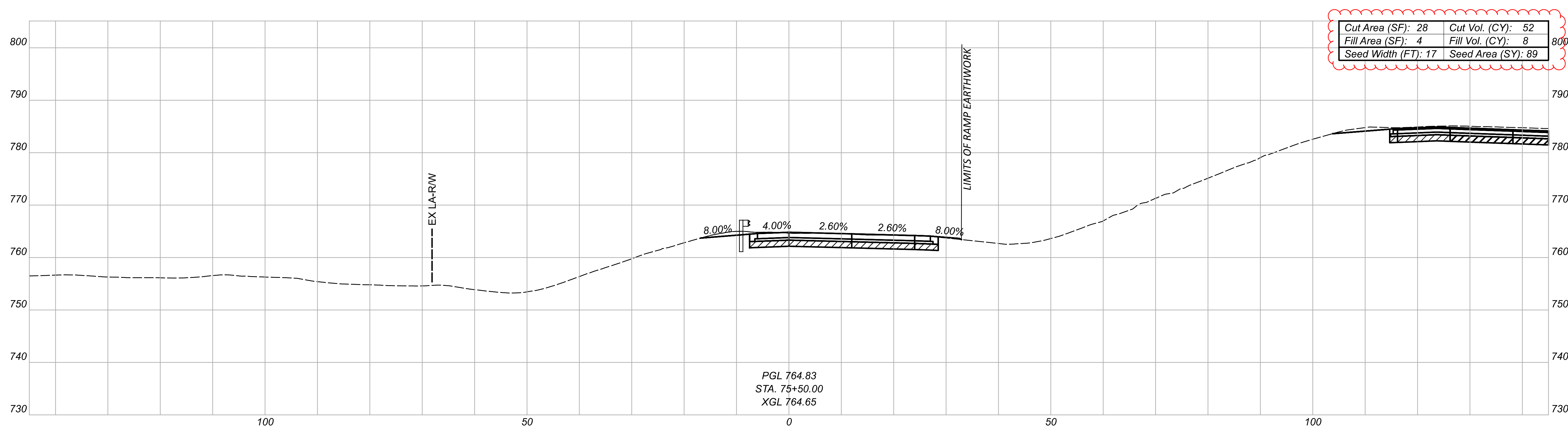
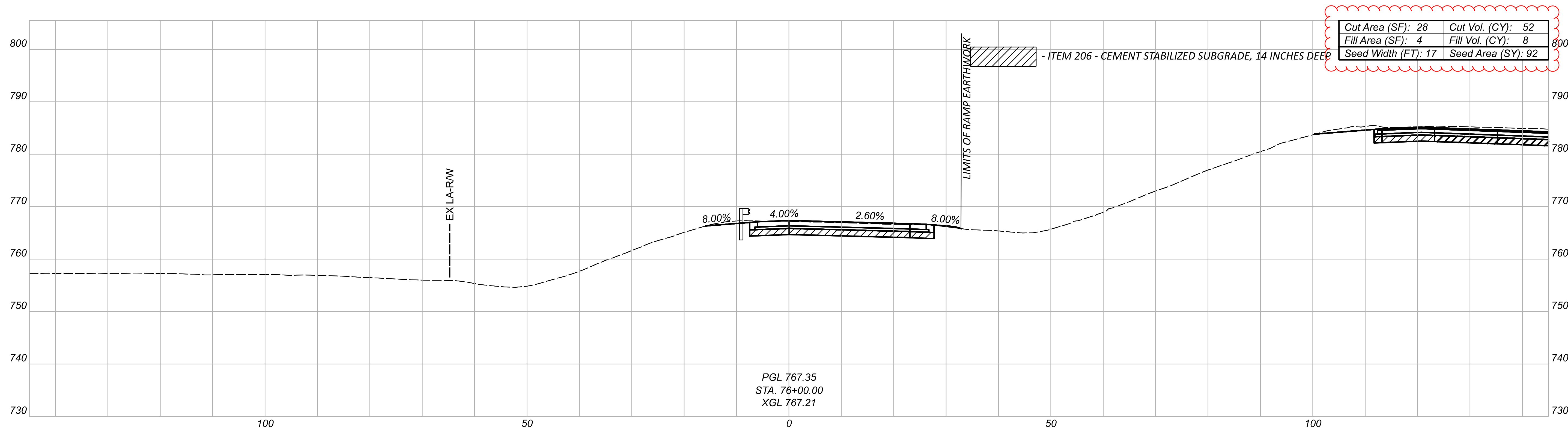
CROSS SECTIONS - RAMP 140-3 (IR 90 WB TO 140TH ST)  
 STA 74+50.00 TO STA 75+00.00



DESIGNER: CNK  
 REVIEWER: VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
236	103	18	P.0881 P.1587





CROSS SECTIONS - RAMP 140-3 (IR 90 WB TO 140TH ST)  
 STA 75+50.00 TO STA 76+00.00

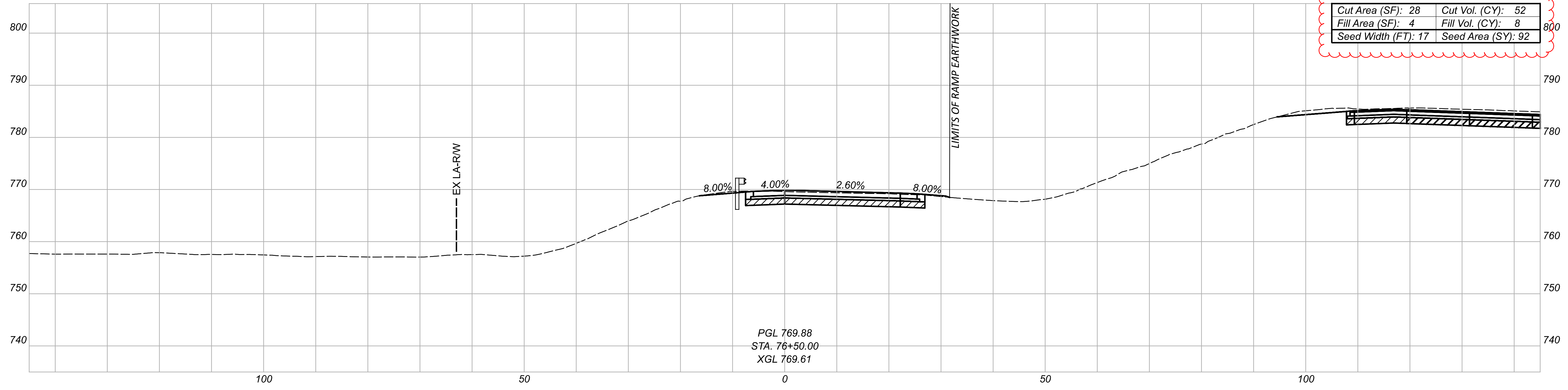
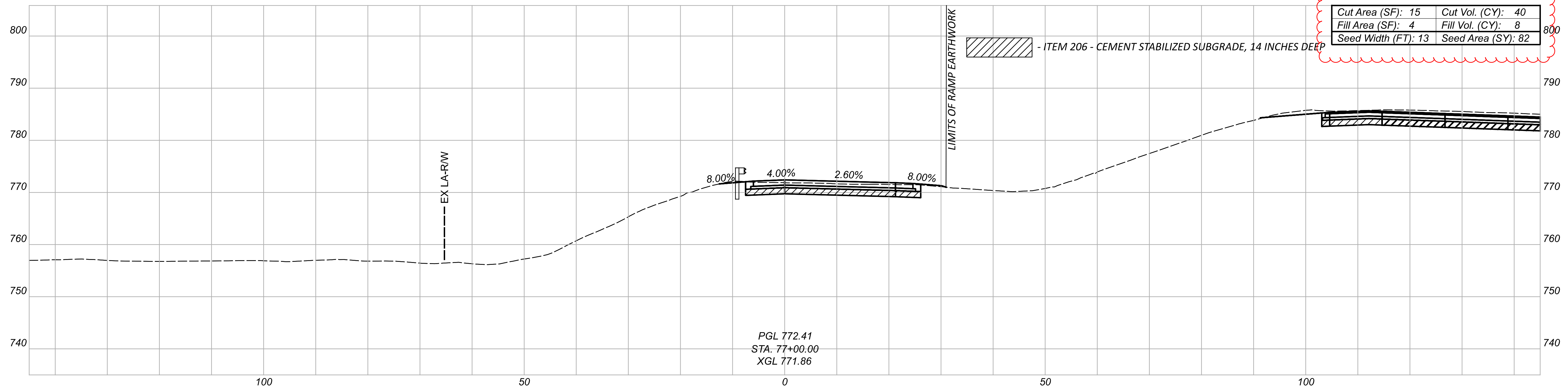
DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.230.8999  
 MOODY ENGINEERING  
 MOODYENR.COM

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

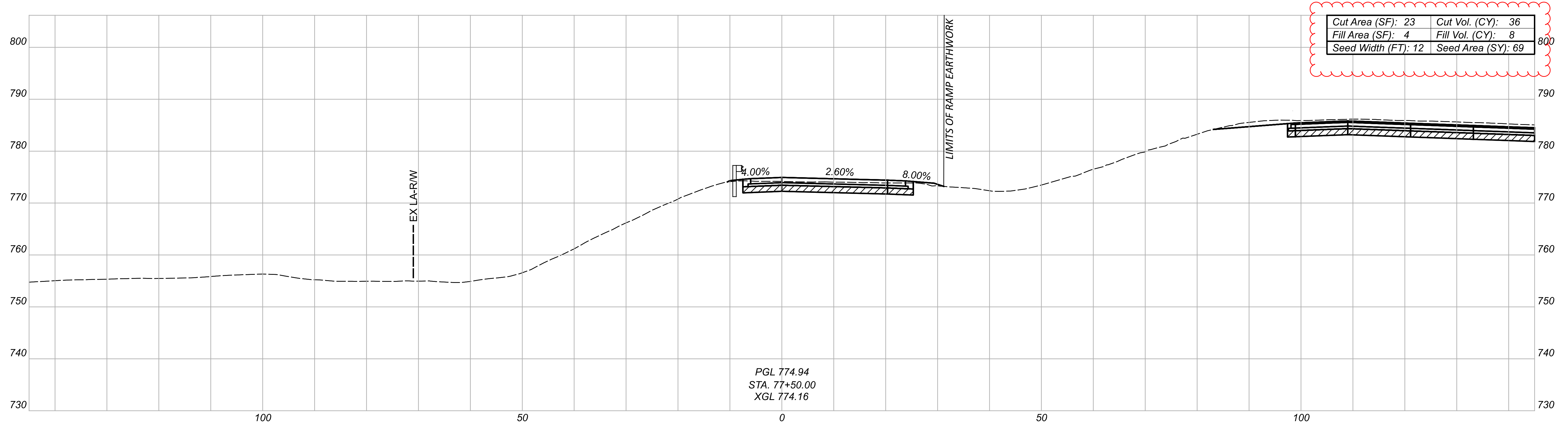
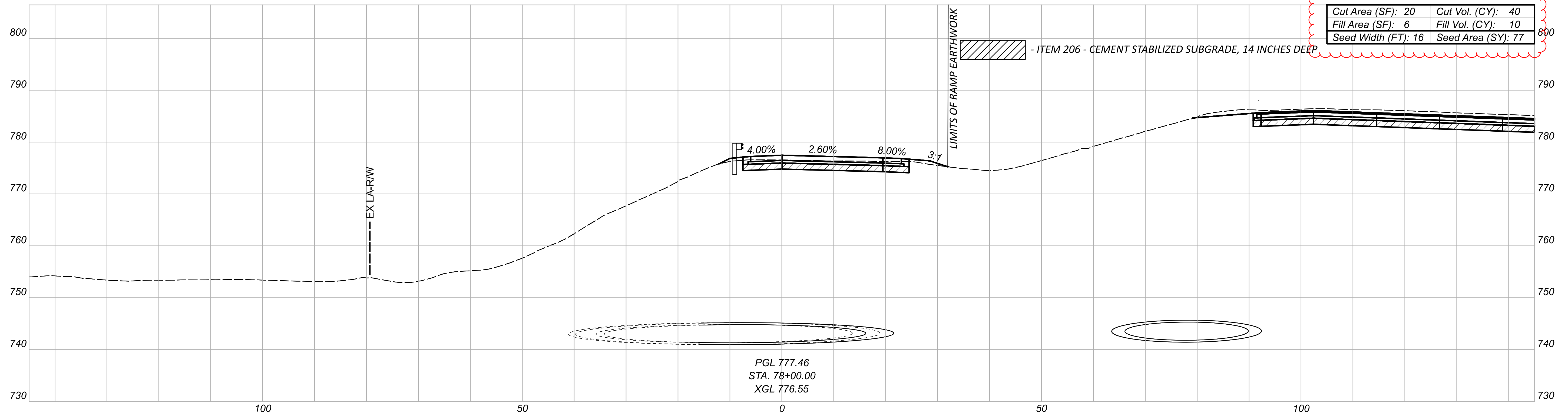
Sheet Totals			PROJECT ID	
Seeding	Cut	Fill	SHEET	TOTAL
182	104	16	P.0882	P.1587



Sheet Totals			PROJECT ID	
Seeding	Cut	Fill	SHEET	TOTAL
174	92	16	P-0883	P.1587

CROSS SECTIONS - RAMP 140-3 (IR 90 WB TO 140TH ST)  
 STA 76+50.00 TO STA 77+00.00

DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY ENGINEERING  
 MOODY-ENG.COM  
 DESIGNER  
**CNK**  
 REVIEWER  
 VDK 08/09/23



CROSS SECTIONS - RAMP 140-3 (IR 90 WB TO 140TH ST)  
 STA 77+50.00 TO STA 78+00.00

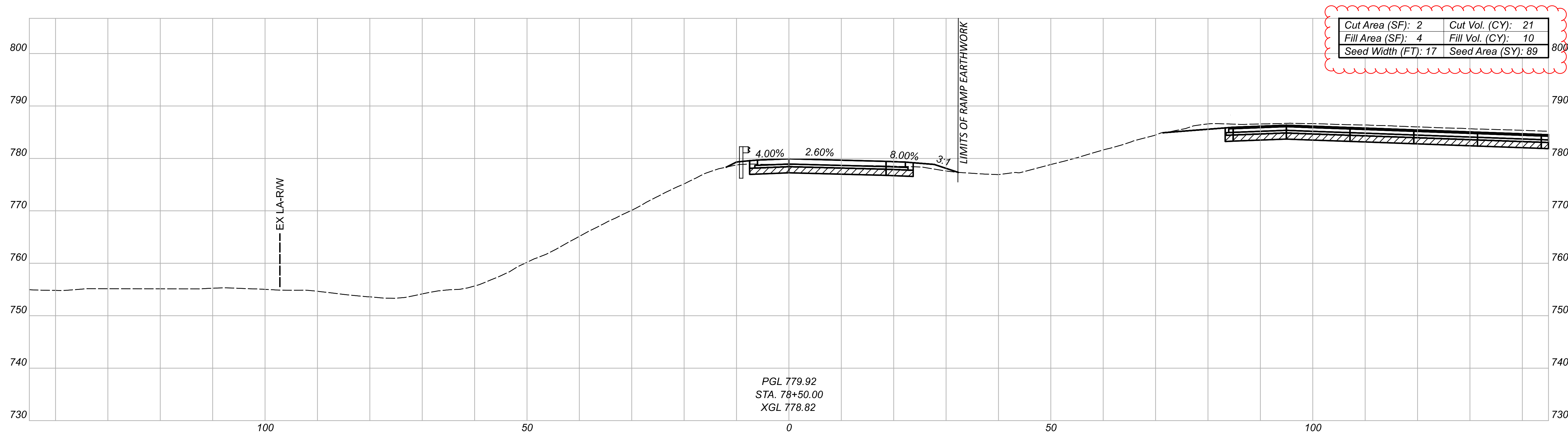
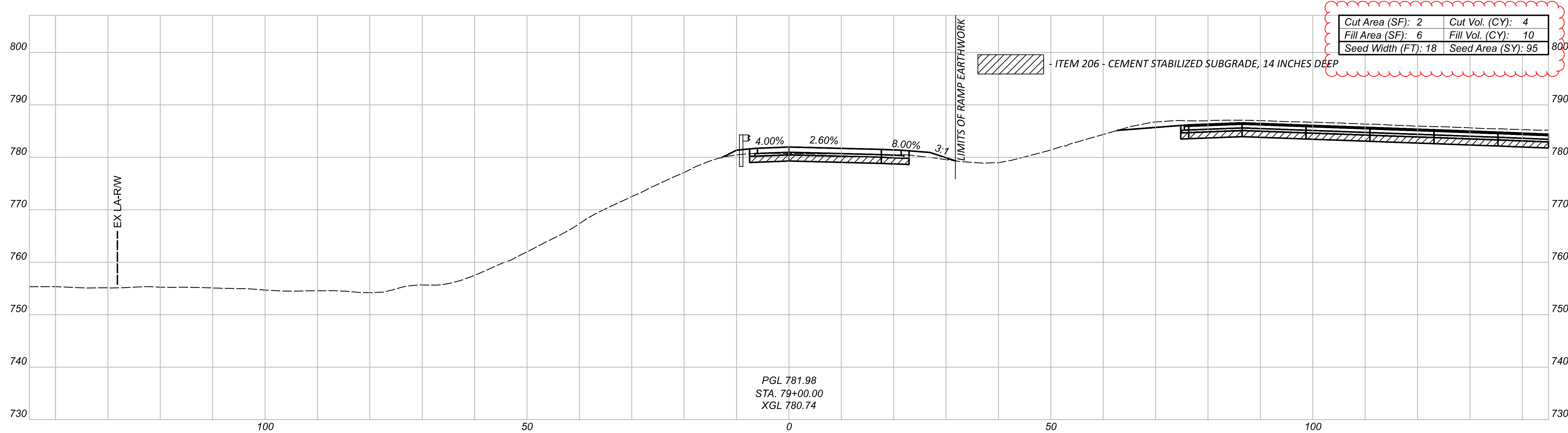
DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.290.8999  
 MOODY ENGINEERING  
 MOODYENR.COM

DESIGNER  
 CNK

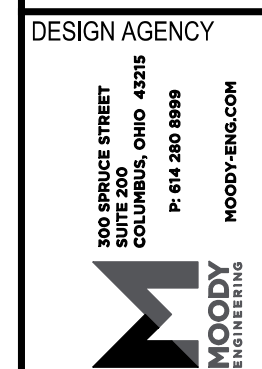
REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	P.1587
146	76	18	P.8884	P.1587



CROSS SECTIONS - RAMP 140-3 (IR 90 WB TO 140TH ST)  
 STA 78+50.00 TO STA 79+00.00

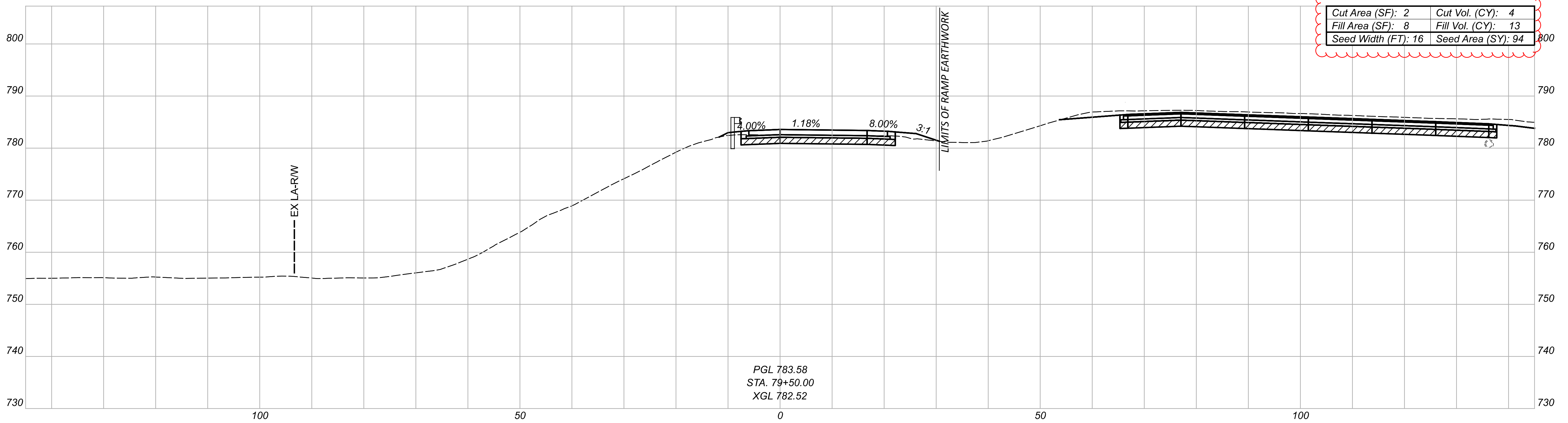
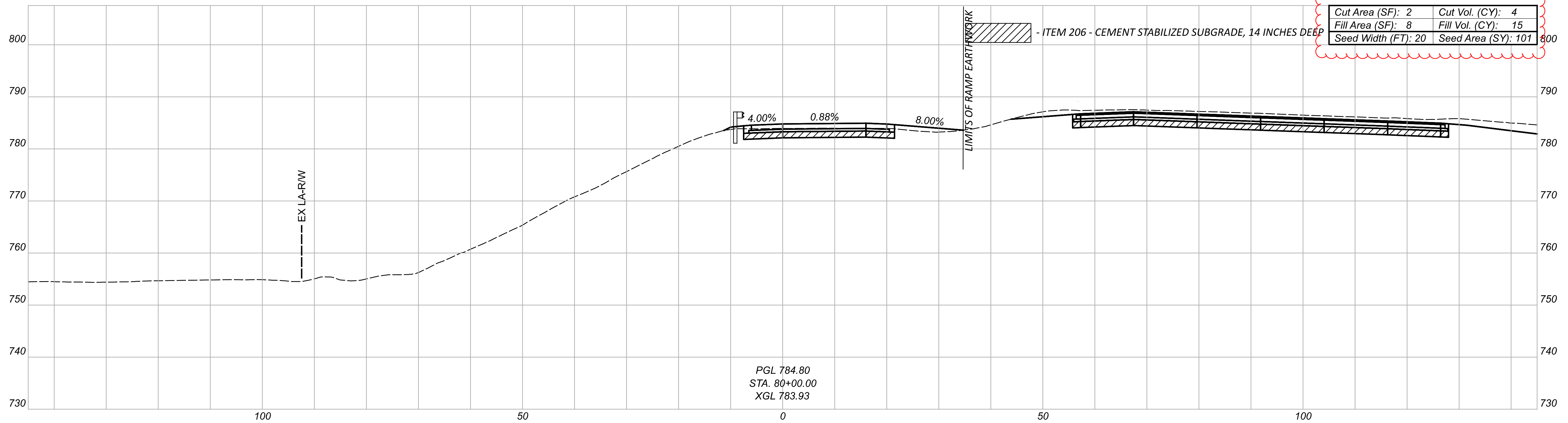


DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P	P
184	25	20	0885	1587



CROSS SECTIONS - RAMP 140-3 (IR 90 WB TO 140TH ST)  
 STA 79+50.00 TO STA 80+00.00



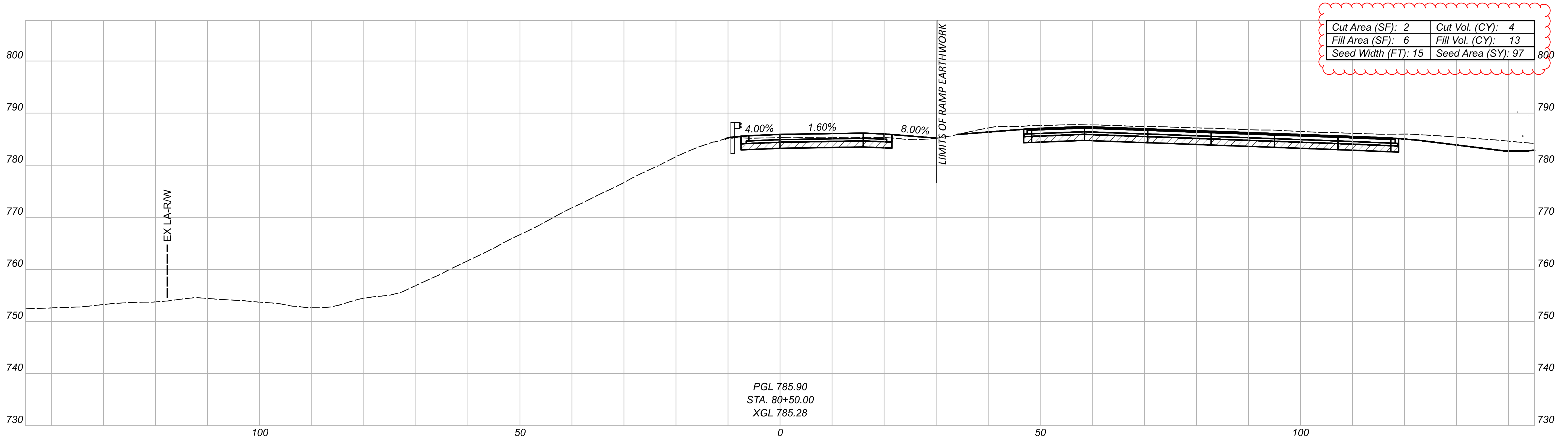
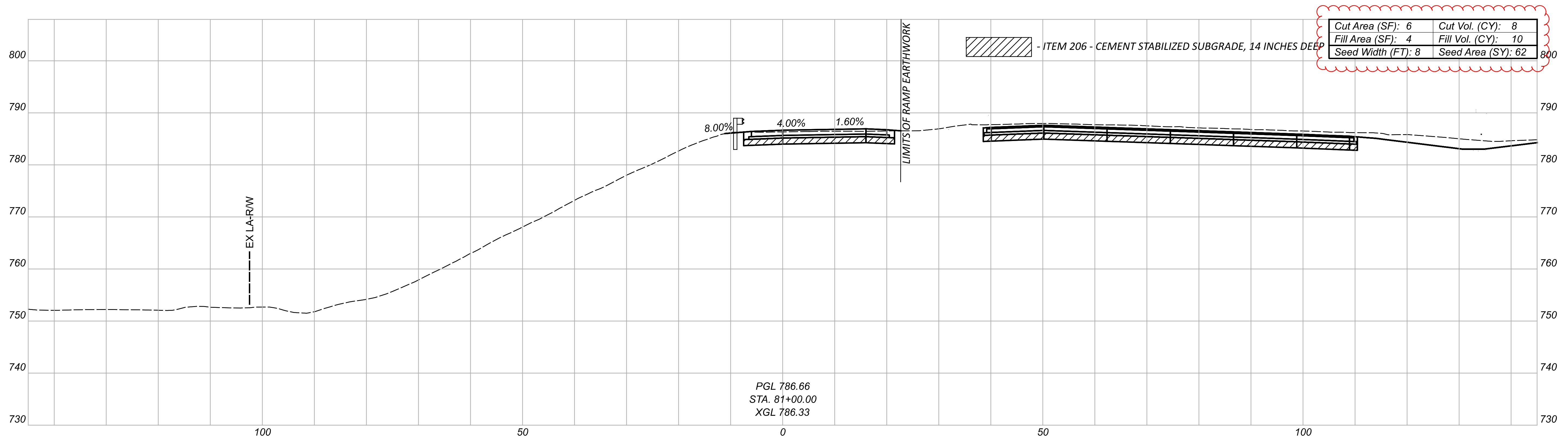
DESIGNER: CNK  
 REVIEWER: VDK

DATE: 08/09/23

PROJECT ID: 76779

Sheet Totals		
Seeding	Cut	Fill
195	8	28

SHEET TOTAL: P.0886 P.1587



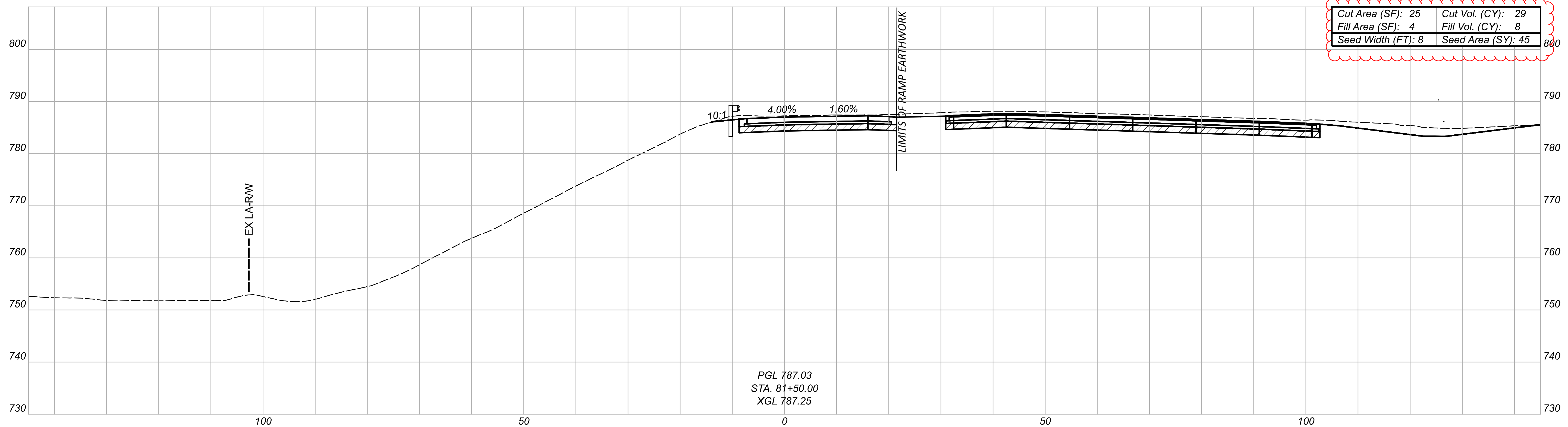
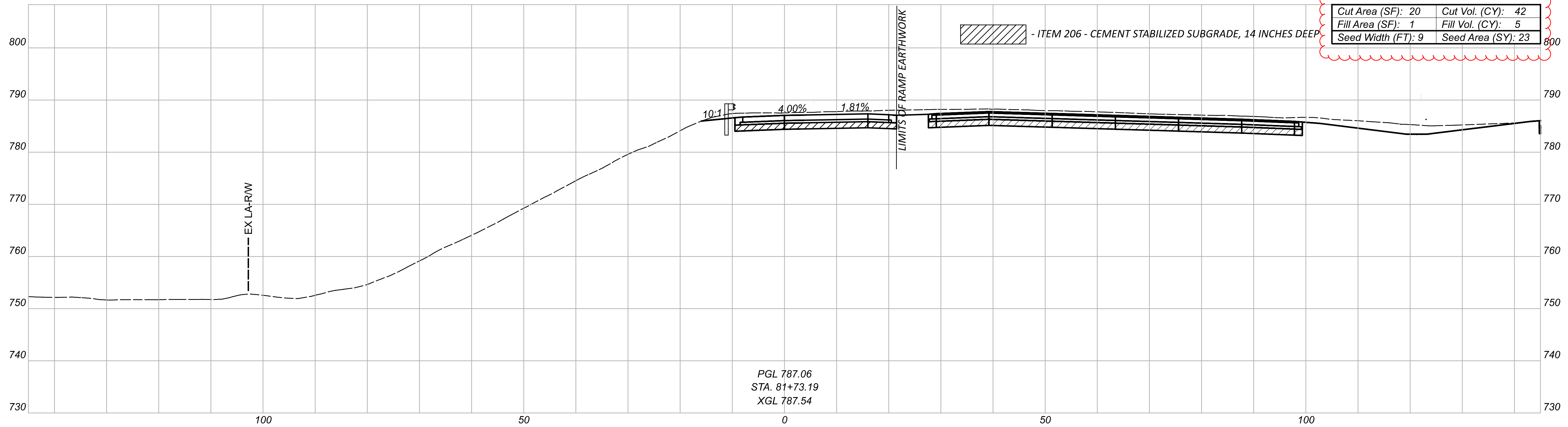
CROSS SECTIONS - RAMP 140-3 (IR 90 WB TO 140TH ST)  
 STA 80+50.00 TO STA 81+00.00



DESIGN AGENCY  
 DESIGNER CNK  
 REVIEWER VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
159	12	23	P.0887 P.1587

PROJECT ID  
 76779



Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
67	71	13	P.0888 P.1587

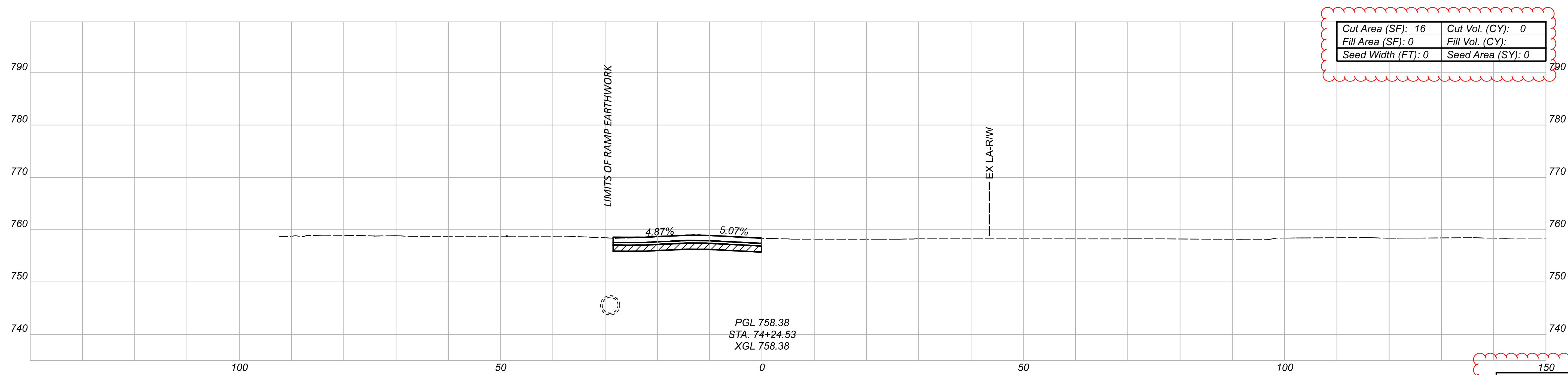
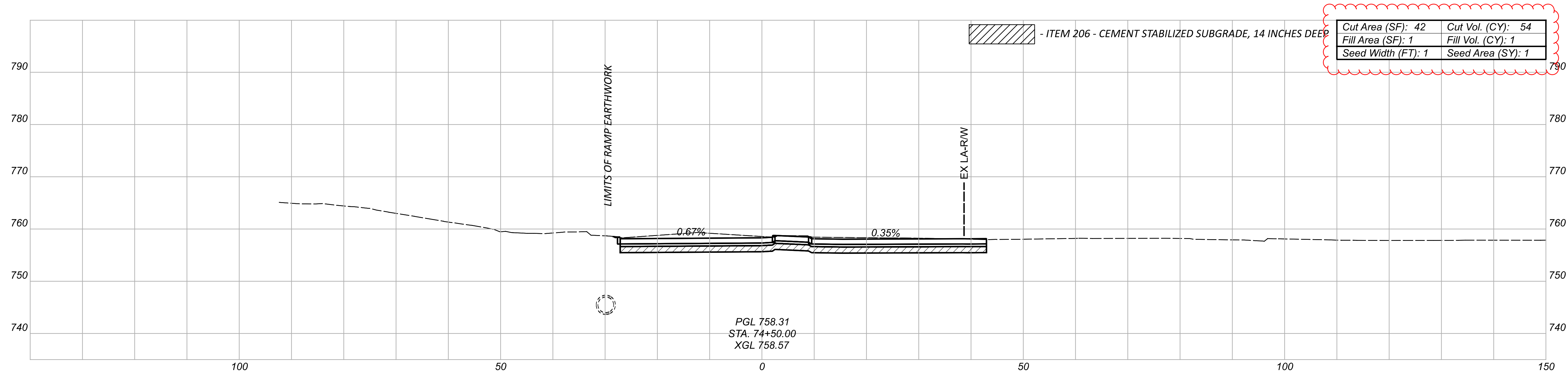
DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY ENGINEERING  
 MOODY-ENG.COM

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

CROSS SECTIONS - RAMP 140-3 (IR 90 WB TO 140TH ST)  
 STA 81+50.00 TO STA 81+73.19



150		
Sheet Totals		
Seeding	Cut	Fill
1	54	1

CROSS SECTIONS - RAMP 140-4 (140TH ST TO IR 90 EB)  
 STA 74+24.53 TO STA 74+50.00

DESIGN AGENCY  
 300 SINGLE STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODYENGINEERING.COM

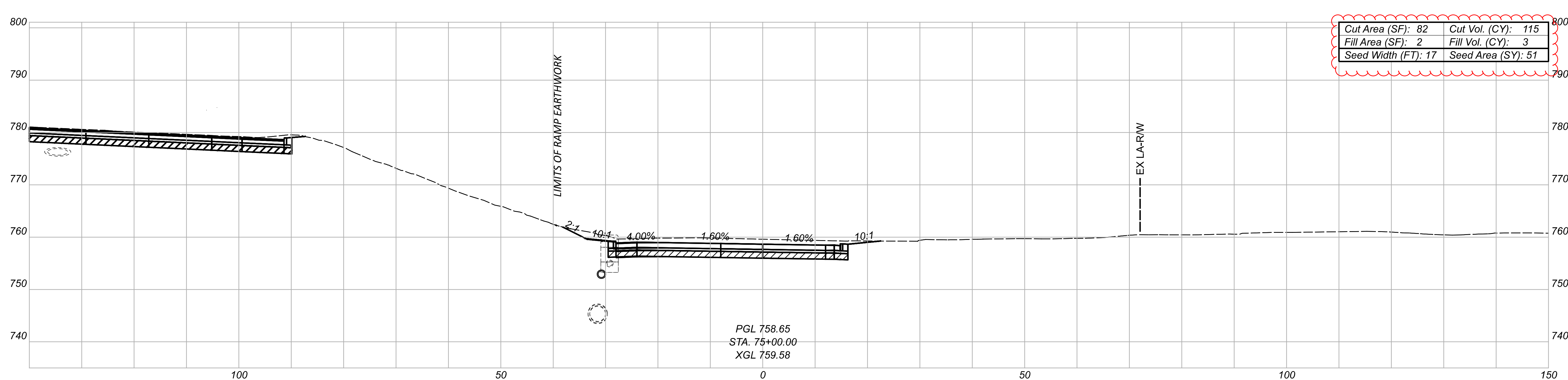
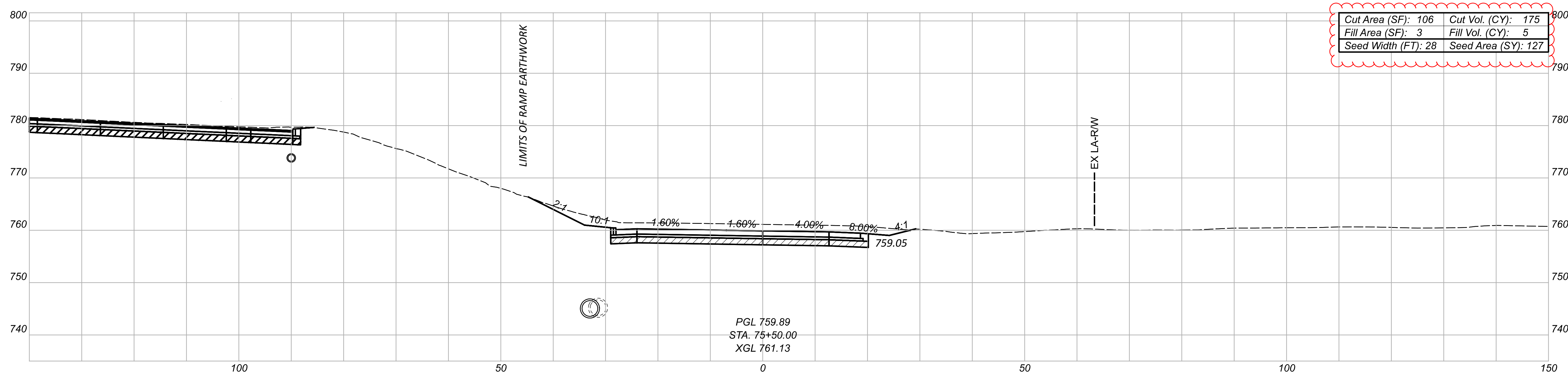
DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

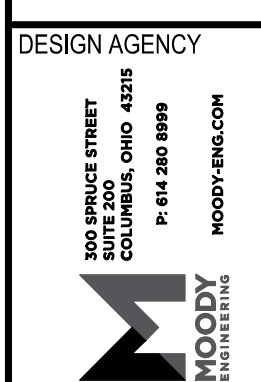
PROJECT ID  
 76779

SHEET	TOTAL
P.0889	P.1587





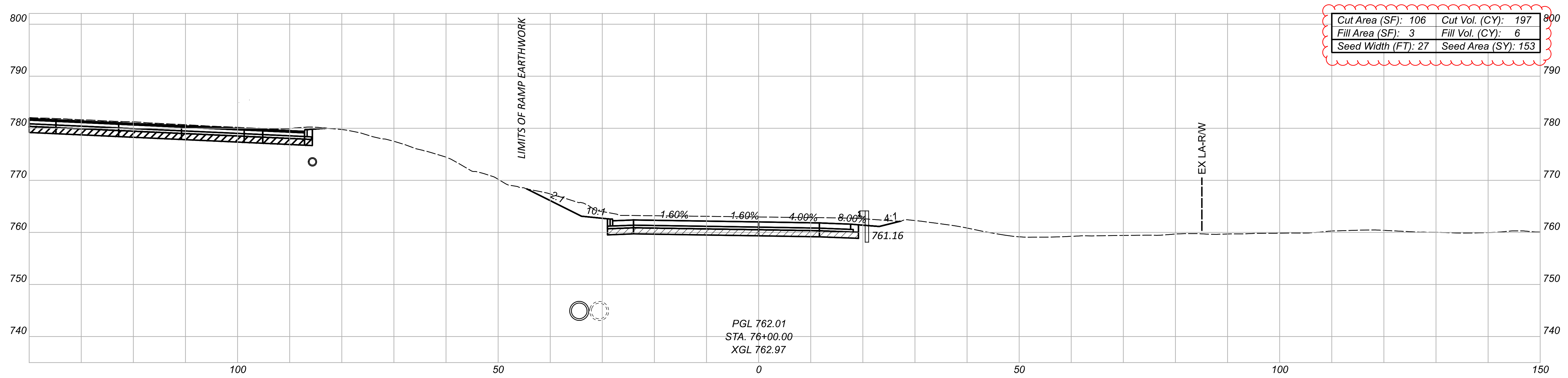
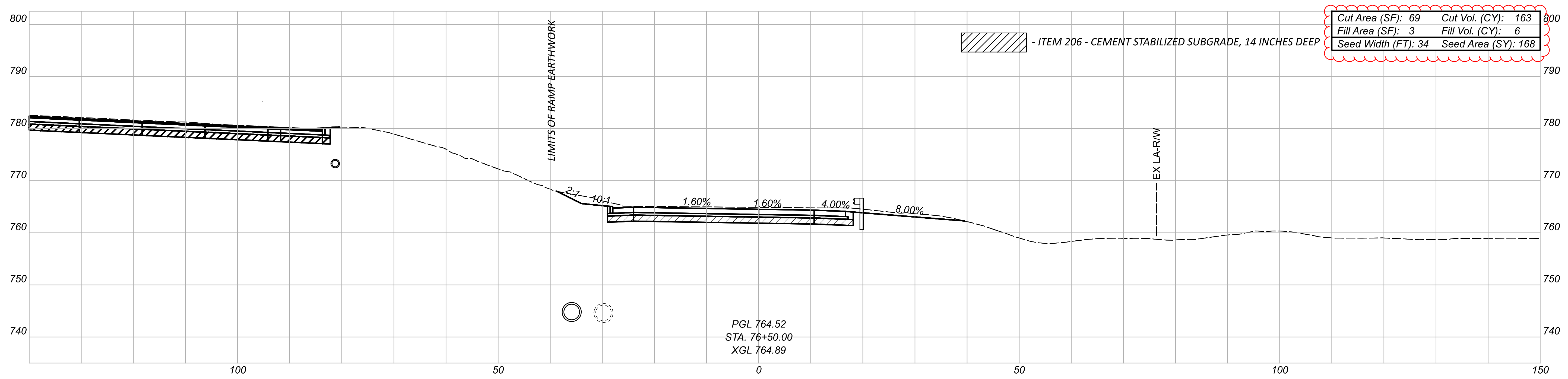
CROSS SECTIONS - RAMP 140-4 (140TH ST TO IR 90 EB)  
 STA 75+00.00 TO STA 75+50.00



DESIGNER: CNK  
 REVIEWER: VDK 08/09/23

PROJECT ID	76779
SHEET TOTAL	R.0890 P.1587

Sheet Totals		
Seeding	Cut	Fill
178	290	8



CROSS SECTIONS - RAMP 140-4 (140TH ST TO IR 90 EB)  
 STA 76+00.00 TO STA 76+50.00

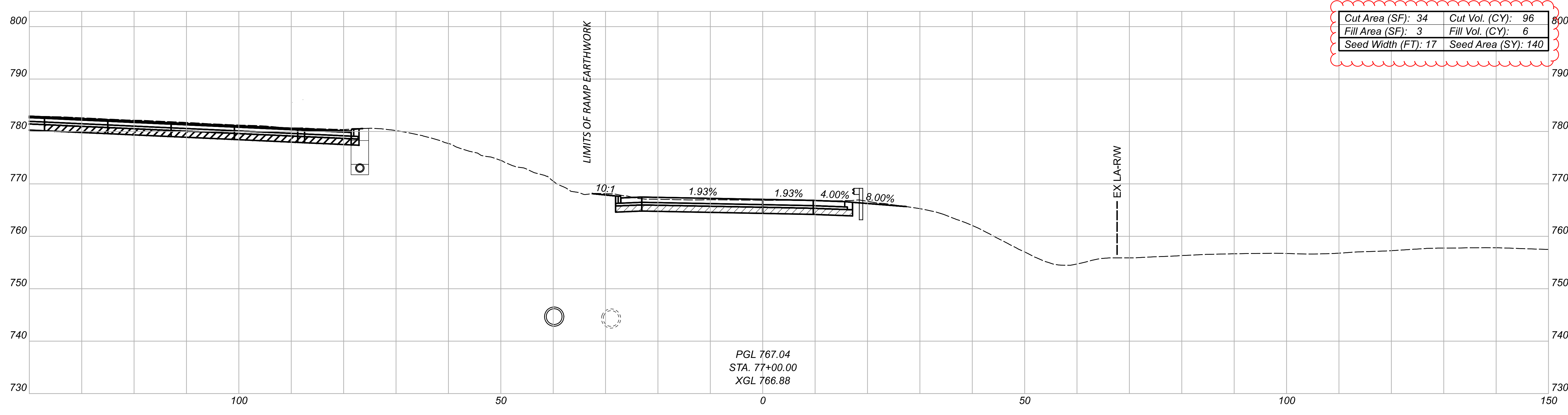
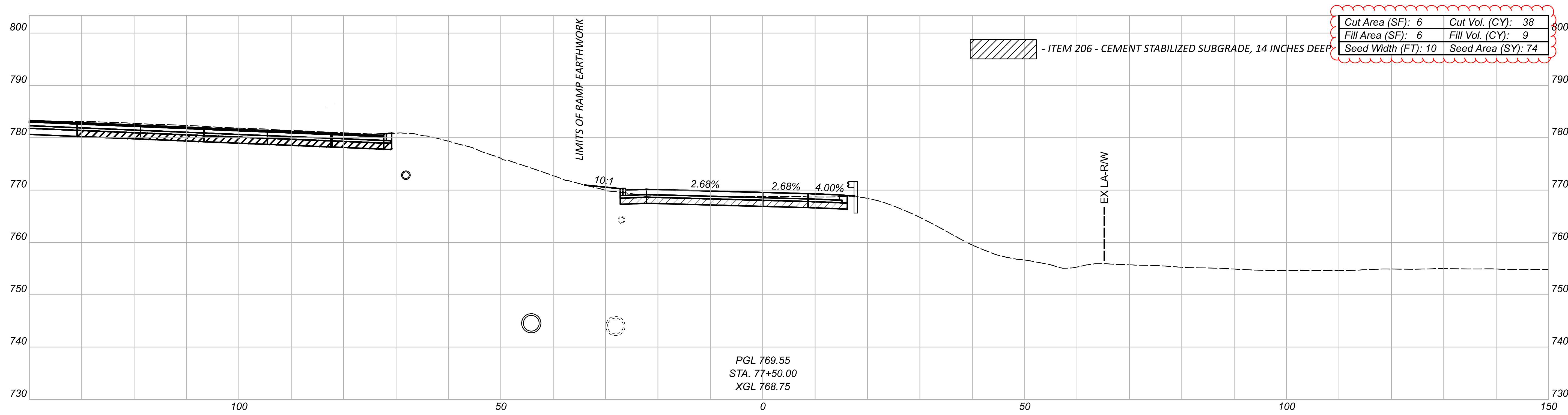
DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY ENGINEERING  
 MOODY-ENG.COM

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

Sheet Totals			TOTAL	
Seeding	Cut	Fill	P.0891	P.1587
321	360	12		



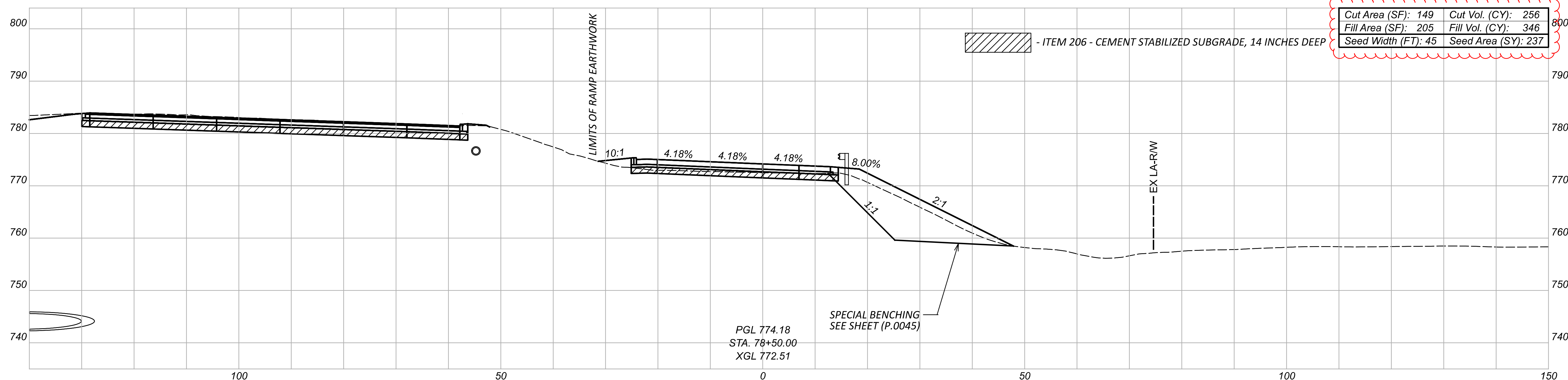
CROSS SECTIONS - RAMP 140-4 (140TH ST TO IR 90 EB)  
 STA 77+00.00 TO STA 77+50.00

DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY ENGINEERING  
 MOODY-ENG.COM

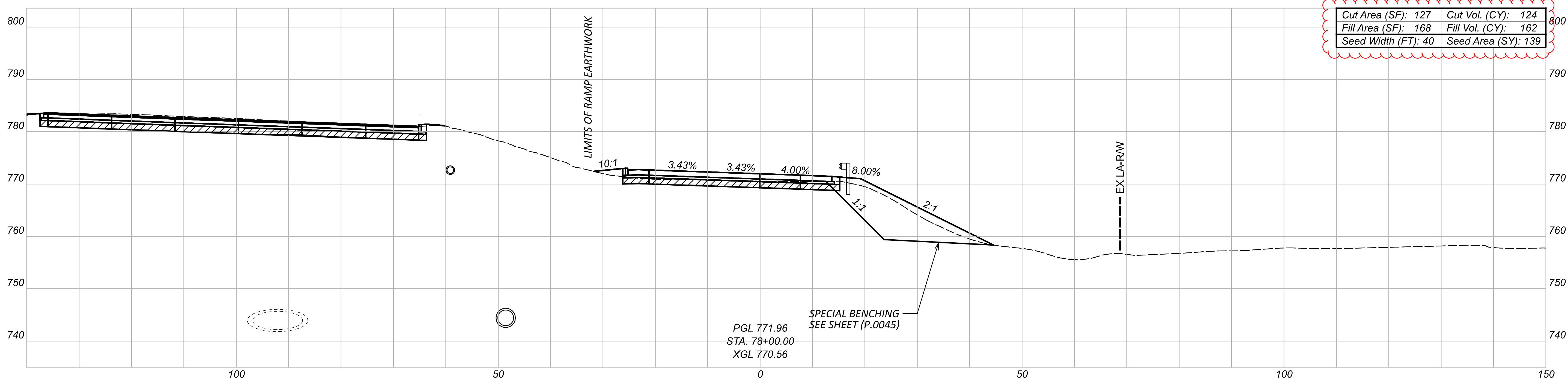
DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
214	134	15	P.0892 P.1587



Cut Area (SF): 149	Cut Vol. (CY): 256
Fill Area (SF): 205	Fill Vol. (CY): 346
Seed Width (FT): 45	Seed Area (SY): 237



Cut Area (SF): 127	Cut Vol. (CY): 124
Fill Area (SF): 168	Fill Vol. (CY): 162
Seed Width (FT): 40	Seed Area (SY): 139

Sheet Totals			76779
Seeding	Cut	Fill	SHEET TOTAL
376	380	508	P.0893 P.1587

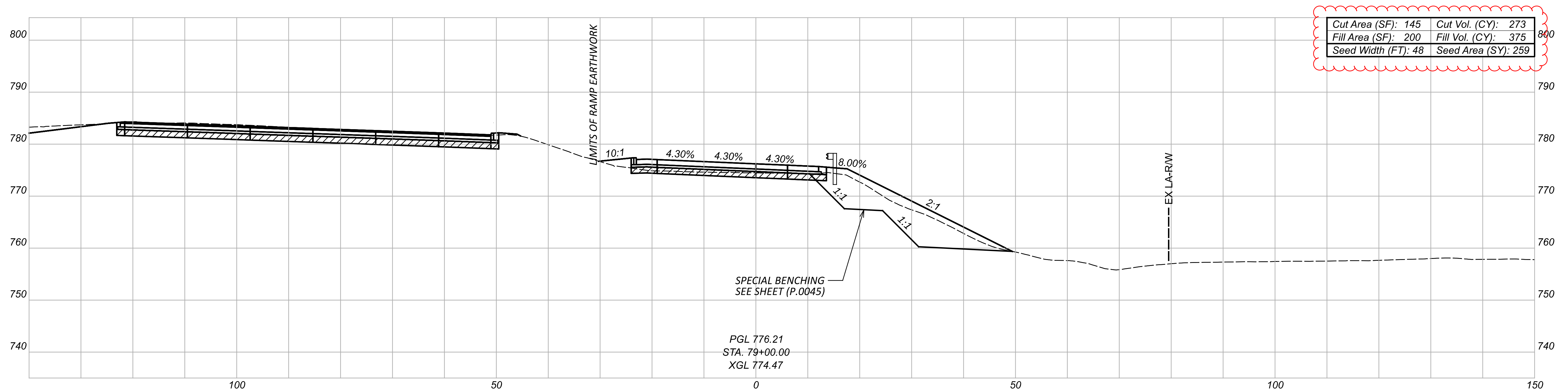
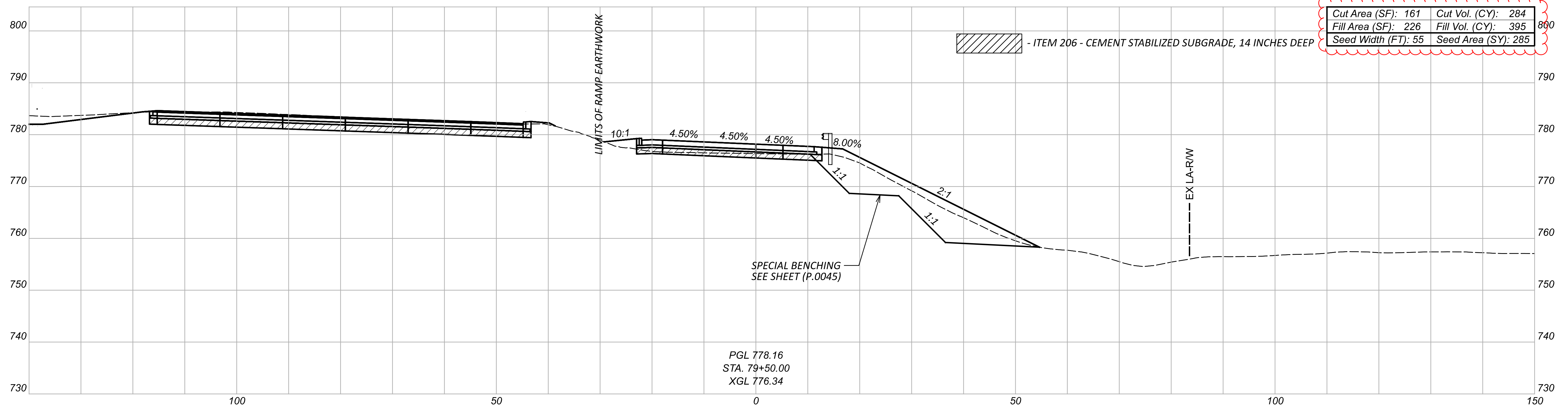
CROSS SECTIONS - RAMP 140-4 (140TH ST TO IR 90 EB)  
 STA 78+00.00 TO STA 78+50.00

DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODYENGINEERING.COM

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779



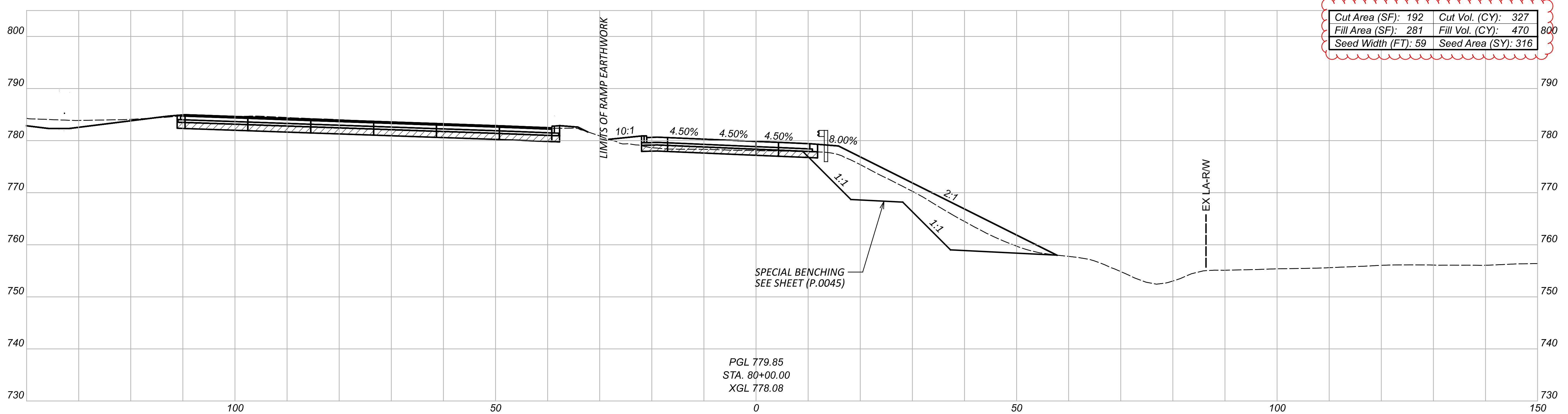
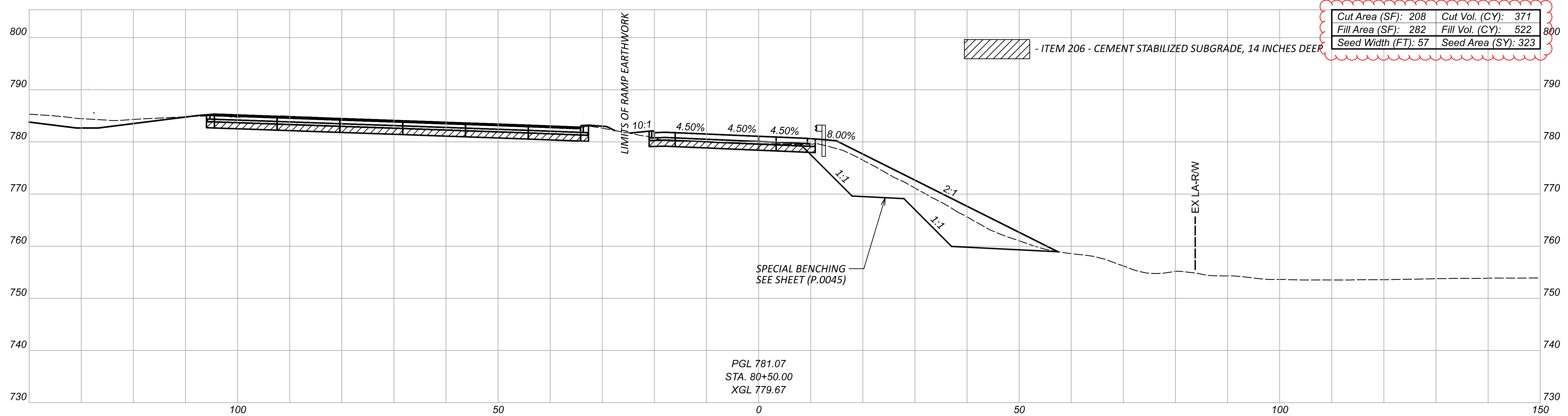
CROSS SECTIONS - RAMP 140-4 (140TH ST TO IR 90 EB)  
 STA 79+00.00 TO STA 79+50.00

DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY ENGINEERING  
 MOODY-ENG.COM

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

Sheet Totals			76779
Seeding	Cut	Fill	\$HEET TOTAL
543	557	770	P.0894 P.1587



CROSS SECTIONS - RAMP 140-4 (140TH ST TO IR 90 EB)  
 STA 80+00.00 TO STA 80+50.00

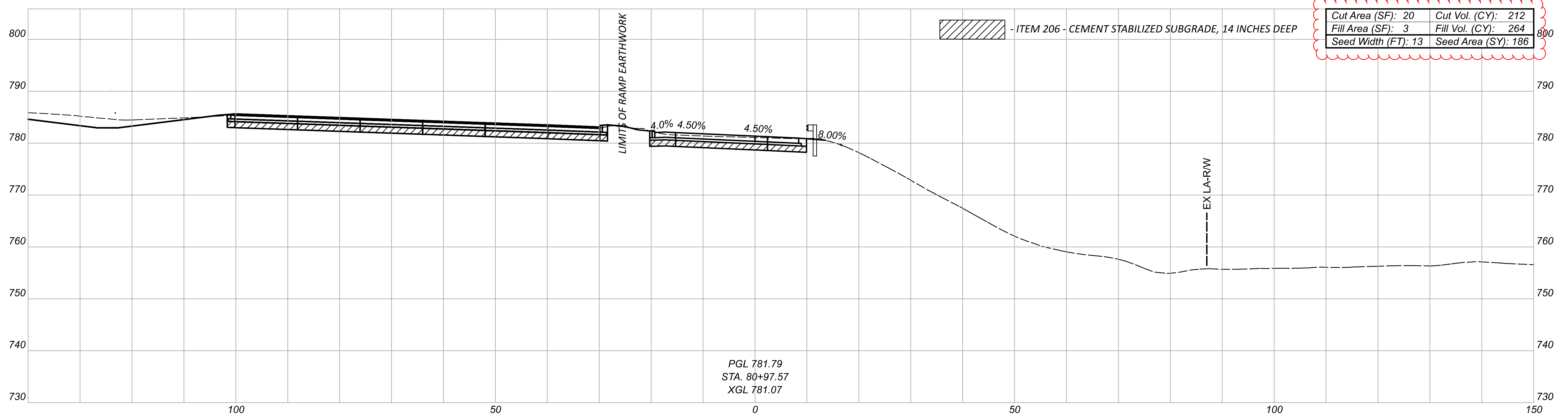
DESIGN AGENCY  
 300 HUNTER STREET  
 SUITE 200  
 COLUMBUS, OHIO 43215  
 P: 614.260.8999  
 MOODY ENGINEERING  
 MOODY-ENG.COM

DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.0895	P.1587
639	698	992		



PGL 781.79  
 STA. 80+97.57  
 XGL 781.07

CROSS SECTIONS - RAMP 140-4 (140TH ST TO IR 90 EB)  
 STA 80+97.57

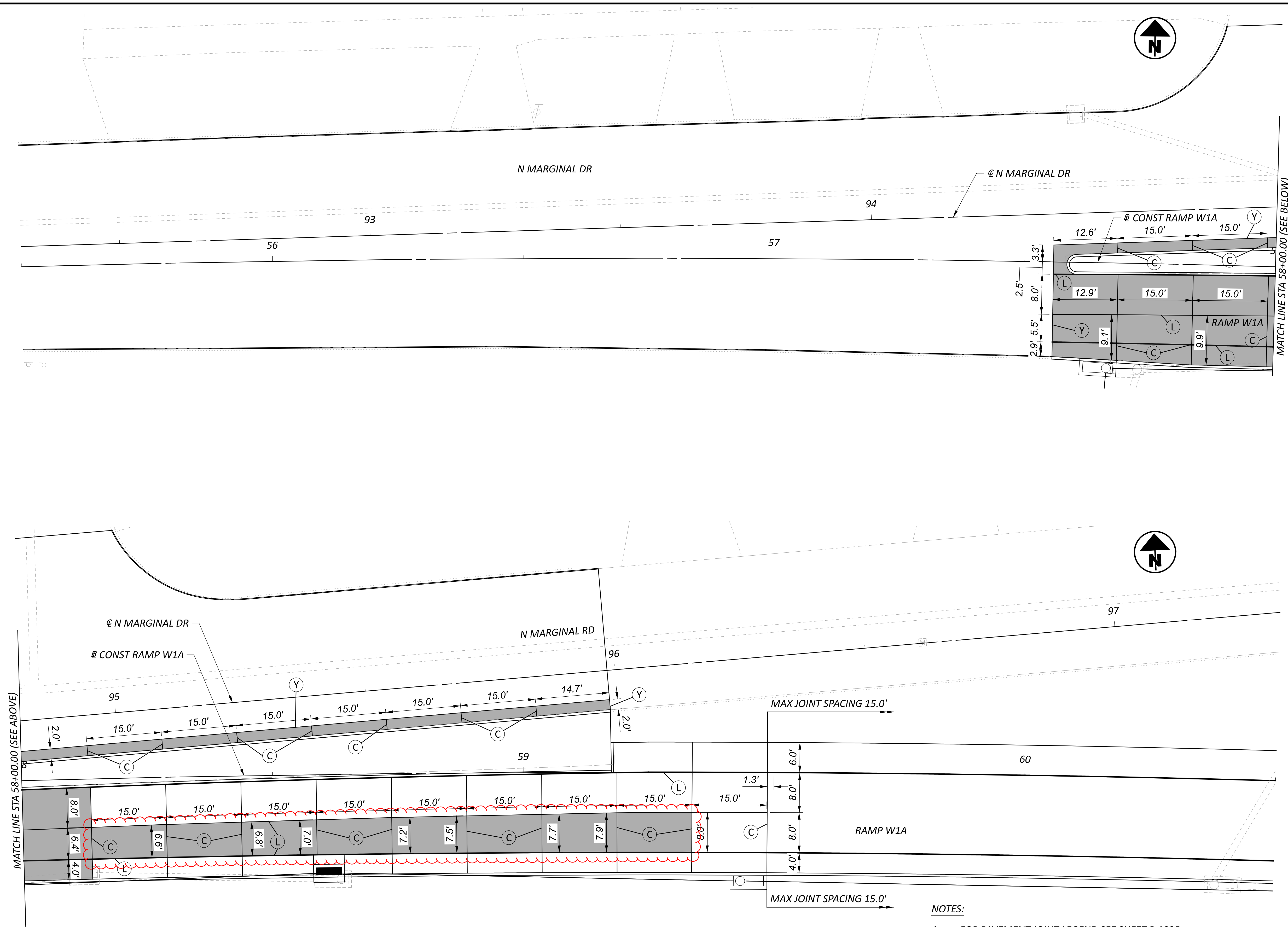


DESIGNER  
 CNK

REVIEWER  
 VDK 08/09/23

PROJECT ID  
 76779

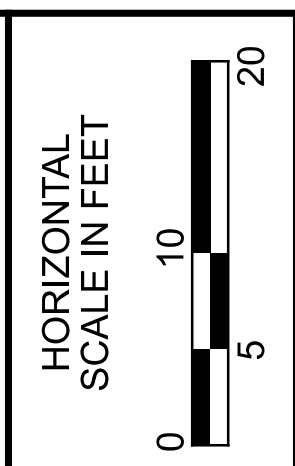
Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.0896	P.1587
186	212	264		



MAX JOINT SPACING 15.0'

MAX JOINT SPACING 15.0'

- NOTES:**
- FOR PAVEMENT JOINT LEGEND SEE SHEET P.1035.
  - FOR GRATE ELEVATIONS SEE SHEET <XX>, <XX>.
  - THE CONTRACTOR RESERVES THE RIGHT TO MODIFY THE JOINT SPACING AND LAYOUT AT NO ADDITIONAL COST TO THE PROJECT.
  - JOINTS TO BE 2'-0" MIN. (TYP.) PERPENDICULAR TO CURB
- CONCRETE PAVEMENT TO BE CONSTRUCTED USING ALTERNATE PAVING METHODS.



PAVEMENT JOINT DETAILS  
 RAMP W1A

DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	CSC
REVIEWER	RDC 08/09/23
PROJECT ID	76779
SHEET	P.1040
TOTAL	P.1587



CALCULATED BY: SSW DATE: 04/05/23  
 CHECKED BY: CDC DATE: 04/05/23

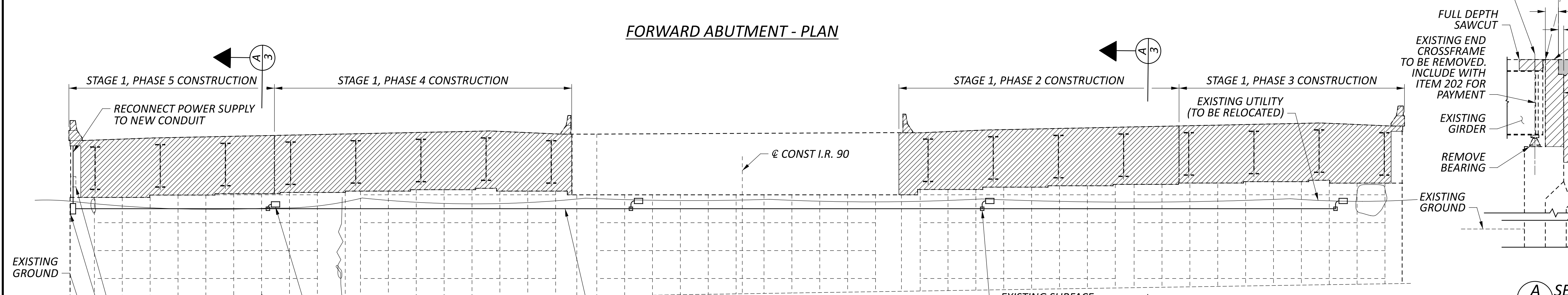
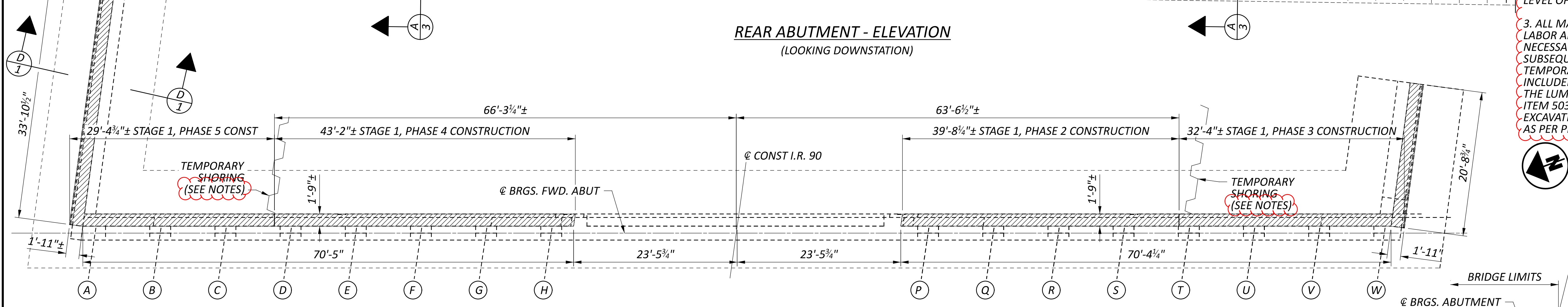
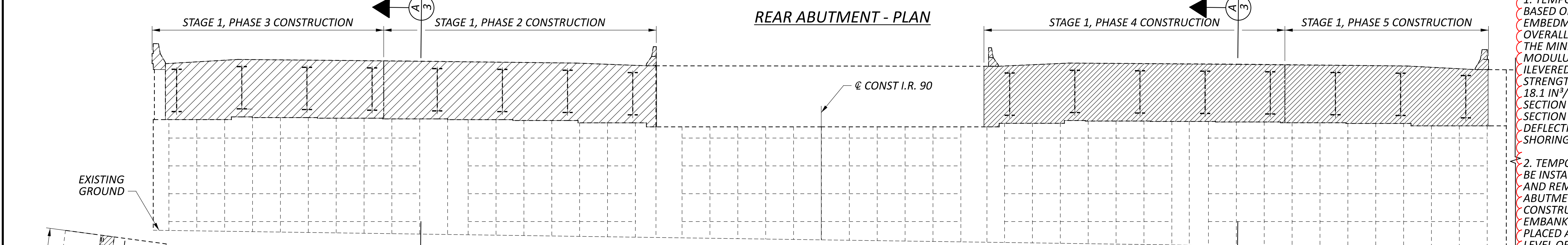
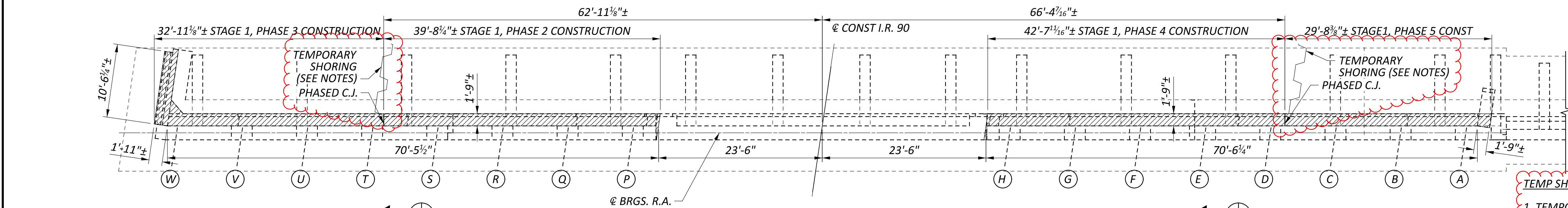
ESTIMATED QUANTITIES

PARTICIPATION		ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REAR ABUTMENT	PIERS	FORWARD ABUTMENT	SUPER.	GENERAL	SHEET REF.
02/IMS/13	03/IMS/13											
LS		202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN					LS	3, 8, 10, 11, 1348 / 1587
957		202	22900	957	SY	APPROACH SLAB REMOVED					957	
LS		503	11101	LS		COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN					LS	3
LS		503	21300	LS		UNCLASSIFIED EXCAVATION					LS	
64420		509	10000	64420	LB	EPOXY COATED STEEL REINFORCEMENT	110		220	62160	1930	
8479		509	30020	8479	FT	NO. 4 DEFORMED GFRP REINFORCEMENT				7433	1046	
274		510	10000	274	EA	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	70		92		112	
4		511	33500	4	EA	SEMI-INTEGRAL DIAPHRAGM GUIDE	2		2			
347		511	34412	347	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE				347		
67		511	34450	67	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)				52	15	
3		511	45712	3	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT	1		2			
2039		512	10050	2039	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)				1329	710	
1756		512	10100	1756	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	466		567	591	132	
122		512	10300	122	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN				95	27	
981		512	74001	981	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES, AS PER PLAN	421		560			1350 / 1587
128		516	13600	128	SF	1" PREFORMED EXPANSION JOINT FILLER					128	
248		516	13900	248	SF	2" PREFORMED EXPANSION JOINT FILLER				248		
33		516	14600	33	FT	STRUCTURAL JOINT OR JOINT SEALER, MISC.: COMPRESSED FOAM JOINT SEAL				33		
1043		516	25000	1043	SF	NYLON REINFORCED NEOPRENE SHEETING				1043		
32		516	44200	32	EA	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 3.023" THICK	16		16			
LS		516	47000	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE				LS		
174		518	21200	174	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC					174	
285		518	40000	285	FT	6" PERFORATED CORRUGATED PLASTIC PIPE					285	
293		518	40010	293	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS					293	
950		519	11101	950	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	816		134			4, 5, 6, 7, 8
957		526	30010	957	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")					957	
286		526	90010	286	FT	TYPE A INSTALLATION					286	
300		607	39900	300	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC				300		
1329		848	10201	1329	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION 3 3/4" INCH THICK, AS PER PLAN				1329		1350 / 1587
1329		848	20000	1329	SY	SURFACE PREPARATION USING HYDRODEMOLITION				1329		
6		848	30200	6	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY				6		
11		848	50000	11	SY	HAND CHIPPING				11		
LS		848	50100	LS		TEST SLAB					LS	
1329		848	50320	1329	SY	EXISTING CONCRETE OVERLAY REMOVED, 3 1/2" NOMINAL THICKNESS				1329		
100		848	50340	100	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY				100		

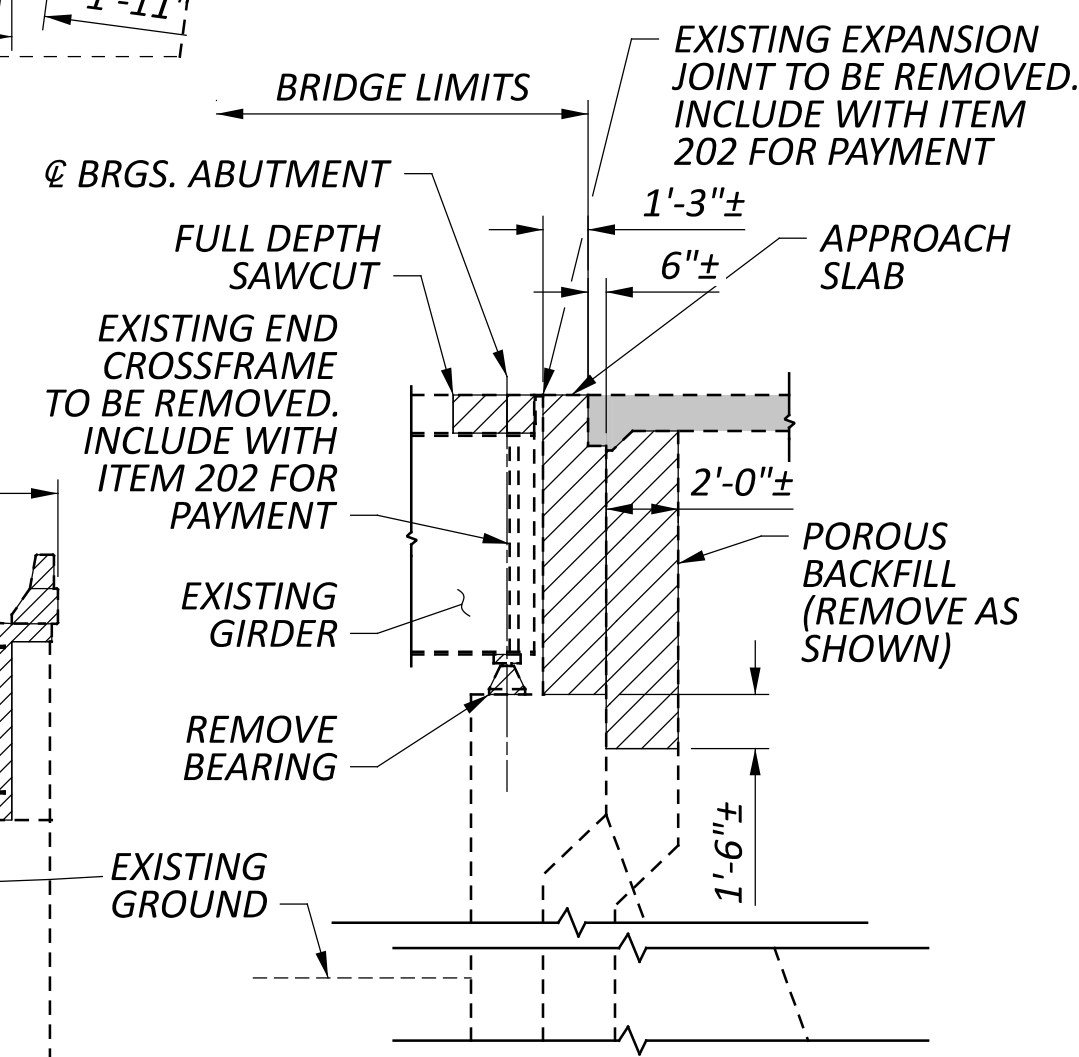
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ESTIMATED QUANTITIES  
 BRIDGE NO.: CUY-00090-09.910 L/R  
 IR 90 OVER BERE RD

SFN	1808214
SFN	1808230
DESIGN AGENCY	
DESIGNER	Michael Baker INTERNATIONAL
CHECKER	
SSW	MKB
REVIEWER	CDC 04/07/23
PROJECT ID	76779
SUBSET	TOTAL
2	28
SHEET	TOTAL
P.1457	P.1587

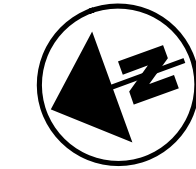
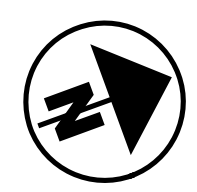


- TEMP SHORING NOTES:**
1. TEMPORARY SHORING DESIGN BASED ON A MINIMUM EMBEDMENT OF 17.4 FT AND OVERALL LENGTH OF 27.4 FT. THE MINIMUM SECTION MODULUS FOR TEMPORARY CANTILEVERED SHEET PILE WALL (YIELD STRENGTH = 50 KSI) SHALL BE 18.1 IN<sup>3</sup>/FT. THE CHOSEN SHEETING SECTION SHALL HAVE SUFFICIENT SECTION PROPERTIES TO LIMIT DEFLECTION AT TOP OF THE SHORING TO 1 INCH OR LESS.
  2. TEMPORARY SHEETING SHALL BE INSTALLED BEFORE EXCAVATION AND REMAIN IN PLACE UNTIL ABUTMENT HAS BEEN FULLY CONSTRUCTED AND THE EMBANKMENT SUFFICIENTLY PLACED AND COMPACTED TO LEVEL OF PROPOSED SUBGRADE.
  3. ALL MATERIALS, EQUIPMENT, LABOR AND INCIDENTALS NECESSARY TO INSTALL AND SUBSEQUENTLY REMOVE THE TEMPORARY SHORING SHALL BE INCLUDED FOR PAYMENT IN THE LUMP SUM PRICE BID FOR ITEM 503 - COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN.



- LEGEND:**
- [Hatched Box] LIMITS OF REMOVAL PER C&MS ITEM 202 - PORTIONS OF STRUCTURE REMOVED OVER 20 FOOT SPAN, AS PER PLAN
  - [Solid Grey Box] LIMITS OF REMOVAL PER ITEM 202 - APPROACH SLAB REMOVED

**NOTE:** EXISTING UNDERPASS LIGHTING TO BE REPLACED. SEE ITEM 625 - SERVICE TO UNDERPASS LIGHTING, AS PER PLAN IN LIGHTING GENERAL NOTES FOR ADDITIONAL DETAILS AND QUANTITIES. THIS WORK SHALL BEGIN AFTER COMPLETION OF SEMI-INTEGRAL ABUTMENT WORK.



**ABUTMENT REMOVAL DETAILS**  
**BRIDGE NO.: CUY-00090-09.910 L/R**  
**IR 90 OVER BEREA RD**

SFN	1808214
SFN	1808230
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	SSW
CHECKER	LPC
REVIEWER	CDC
DATE	04/07/23
PROJECT ID	76779
SUBSET	3
TOTAL	28
SHEET	P.1458
TOTAL	P.1587