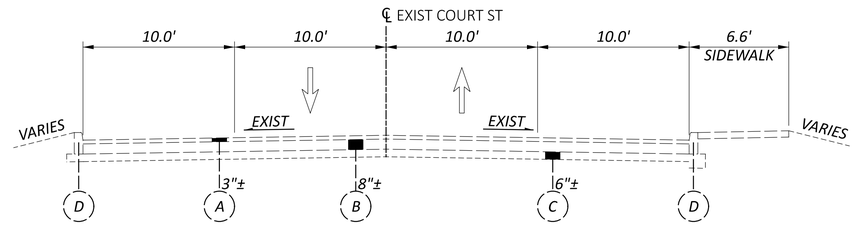
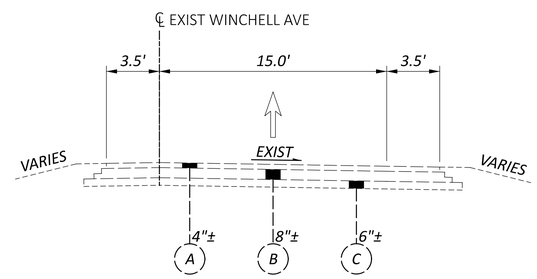


EXISTING TYPICAL SECTION - COURT ST

STA 4+00.00



EXISTING TYPICAL SECTION - WINCHELL AVE

STA 29+00.00

LEGEND

1. ITEM 442 - 1-1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448) 6
2. ITEM 442 - 2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM,TYPE A (448)
3. ITEM 442 - 1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (448) 6
4. ITEM 407 - NON-TRACKING TACK COAT (0.055 GAL/SY)
5. ITEM 302 - 3" ASPHALT CONCRETE BASE, PG64-22, (449)
6. ITEM 302 - 5" ASPHALT CONCRETE BASE, PG64-22, (449)
7. ITEM 302 - 8-1/2" ASPHALT CONCRETE BASE (2 EQUAL LIFTS WITH ITEM 407 BETWEEN LIFTS)
8. ITEM 304 - 6" AGGREGATE BASE
9. ITEM 206 - 14" CEMENT STABILIZED SUBGRADE
10. ITEM 609 - CURB, MISC.: TYPE S-1 CURB (CINCINNATI)
11. ITEM 609 - 6" CONCRETE MEDIAN
12. ITEM 608 - 5" CONCRETE WALK
13. ITEM 606 - GUARDRAIL, TYPE MGS
14. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
15. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
16. ITEM 659 - SEEDING AND MULCHING
17. ITEM 609 - CURB, MISC.: TYPE B-1 CURB (CINCINNATI)
18. ITEM 204 - EXCAVATION OF SUBGRADE, 12 INCHES DEEP,
    ITEM 204 - GRANULAR MATERIAL, TYPE C,
    ITEM 204 - GEOTEXTILE FABRIC
19. ITEM 204 - PROOF ROLLING
20. ITEM 607 - FENCE MISC.: WOOD FENCE
21. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1P WITH QC/QA
22. ITEM 609 - CURB, MISC.: TYPE P-1 CURB (CINCINNATI)
23. ITEM 257 - DIAMOND GRINDING PORTLAND CEMENT CONCRETE PAVEMENT
24. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC

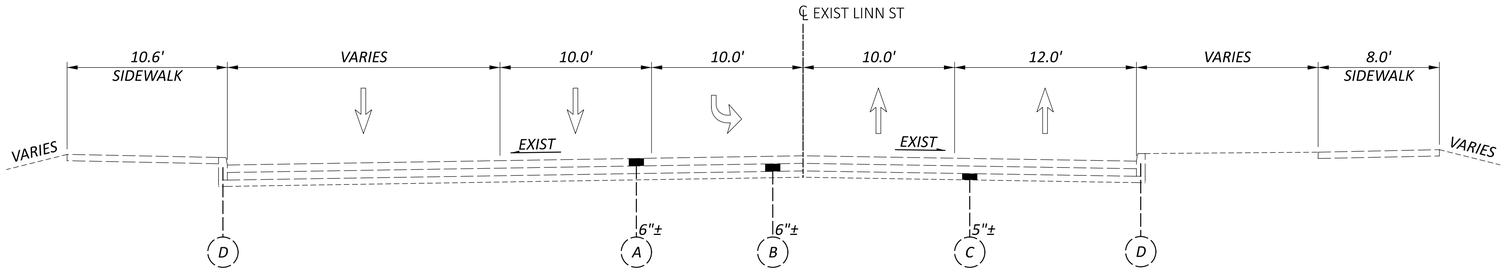
A. EXISTING ASPHALT CONCRETE
B. EXISTING CONCRETE PAVEMENT
C. EXISTING AGGREGATE BASE
D. EXISTING CURB

FOR EXISTING PAVEMENT DEPTHS SEE TYPICAL SECTIONS AND GEOTECHNICAL PROFILES

TYPICAL SECTIONS

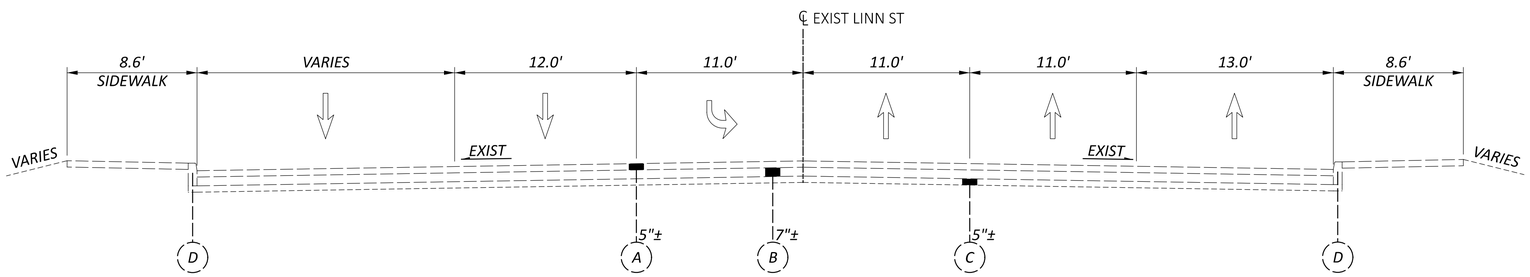
DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.
DESIGNER: LZS
REVIEWER: KAM 03/03/25
PROJECT ID: 122048
SHEET: P.4 TOTAL: P.421

HAM-IR 75-1.05



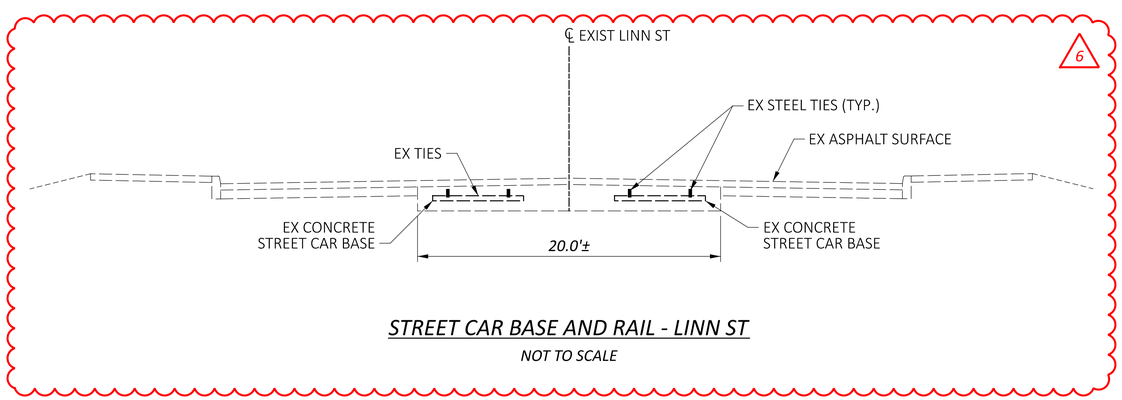
EXISTING TYPICAL SECTION - LINN ST

STA 112+50.00



EXISTING TYPICAL SECTION - LINN ST

STA 104+00.00



STREET CAR BASE AND RAIL - LINN ST

NOT TO SCALE

NOTES:

1. FOR LEGEND, SEE SHEET P.4

TYPICAL SECTIONS

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
LZS

REVIEWER
KAM 03/03/25

PROJECT ID
122048

SHEET P.5 TOTAL P.421

HAM-IR 75-1.05

REQUIREMENTS OF PACP/LACP CCTV AND MANHOLE SEWER INSPECTIONS

MSD CONFORMS TO THE NATIONAL ASSOCIATION OF SEWER SERVICE COMPANIES' (NASSCO) PIPELINE ASSESSMENT CERTIFICATION PROGRAM (PACP), LATERAL ASSESSMENT CERTIFICATION PROGRAM (LACP), AND MANHOLE INSPECTION UTILIZING MSD INSPECTION FORMS. THESE INSPECTIONS WILL BE MAINTAINED WITHIN MSD'S LIBRARY OF SEWER INSPECTIONS AND IT IS IMPERATIVE THAT THEY MEET ALL APPROPRIATE MSD REQUIREMENTS. ALL PACP AND LACP CCTV WORK TO BE PERFORMED VIA THIS CONTRACT SHALL THEREFORE CONFORM TO ALL CURRENT NASSCO STANDARDS EXCEPT WHERE SPECIFICALLY INSTRUCTED OTHERWISE BY THE MSDGC PROGRAM MANAGER (PM). THESE STANDARDS INCLUDE BUT ARE NOT LIMITED TO: SPEED OF CAMERA TRAVEL, CENTERING OF CAMERA IN PIPE, CODING OF DEFECTS/STRUCTURAL FEATURES/OBSERVATIONS, PANNING OF DEFECTS/STRUCTURAL FEATURES, CAMERA LIGHTING, HEADER INFORMATION, FLOW CONTROL, AND REVERSAL INSPECTIONS. MSD GIS STANDARDS AND DESIGNATIONS SHALL APPLY FOR HEADER INFORMATION INCLUDING, BUT NOT LIMITED TO: MANHOLE NUMBERS, ASSET ID NUMBERS, CITYWORKS®WORK ORDER NUMBERS, BUILDING SEWER NAMES AND IDENTIFICATION, AND PREVIOUSLY UNDOCUMENTED MANHOLES.

ALL PACP AND LACP CCTV WORK TO BE PERFORMED VIA THIS WORK ORDER SHALL BE CARRIED OUT UTILIZING A COLOR PAN AND TILT ROTATING HEAD CAMERA SPECIFICALLY DESIGNED AND CONSTRUCTED FOR SEWER INSPECTION. ALL CCTV WORK SHALL BE RECORDED ENTIRELY IN DIGITAL MP4 FORMAT ENCODED WITH A FILE COMPRESSION OF HIGH EFFICIENCY VIDEO CODING (HEVC OR H.265) (OTHER FORMATS NEED MSDGC PM APPROVAL) WITH AN APPROPRIATE PACP/LACP DATABASE FILE (NASSCO PACP/LACP V7.0 CERTIFIED ACCESS DATABASE HAVING COMPATIBILITY WITH PIPETECH® PIPELINE INSPECTION SOFTWARE), AND ALL VIDEO MUST BE CONTINUOUSLY METERED.

THE PERSON CODING THE PIPELINE INSPECTION MUST BE NASSCO PACP AND LACP CERTIFIED WITH A MINIMUM OF THREE YEARS OF FULL-TIME EXPERIENCE CODING DEFECTS USING THE NASSCO STANDARD. PACP AND LACP CERTIFICATION NUMBERS MUST BE PROVIDED TO MSDGC AND PROOF OF EXPERIENCE MUST BE DEMONSTRATED BY DOCUMENTATION SUCH AS A RESUME WITH REFERENCES.

ROBOTIC PACP/LACP & MANHOLE INSPECTION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR:

1. CONDUCTING A FINAL MANHOLE-TO-MANHOLE (MH-MH), TELEVISING OF THE MAINLINE SEWER SECTION TO EVALUATE THE CONDITION OF THE SEWER AFTER ALL APPROPRIATE CLEANING, TRIMMING, GRINDING, AND FLUSHING HAS BEEN PERFORMED. IN THE EVENT AN INSPECTION CANNOT BE COMPLETED FROM ONE SET-UP DUE TO A STRUCTURAL OR MAINTENANCE DEFECT, THE INSPECTOR SHALL PERFORM A REVERSE INSPECTION FROM AN ADDITIONAL SET-UP THE SAME DAY. THE INSPECTOR SHALL SUBMIT TWO INSPECTION REPORTS AS THE FINAL INSPECTION. THIS FINAL TELEVISING SHALL BE IN PACP AND SHALL FOLLOW ALL PACP V 7.0 STANDARDS.

2. EMPLOYING VARIOUS FLOW CONTROL METHODS AS APPROPRIATE TO ENSURE VISIBILITY OF THE ENTIRE CIRCUMFERENCE OF THE SEWER.

3. CONDUCTING A FINAL TELEVISING OF EACH INDIVIDUAL BUILDING SEWER FROM THE MAIN SEWER LINE TO THE PUBLIC RIGHT OF WAY DESIGNATION OR SEWER EASEMENT LIMIT. UNLESS OTHERWISE DIRECTED BY MSD PERSONNEL, THE EASEMENT LIMIT SHOULD BE ASSUMED TO BE A MINIMUM OF 10'. THIS FINAL TELEVISING SHALL BE IN LACP AND SHALL FOLLOW ALL LACP V7.0 STANDARDS. IF A FULL MAINLINE TO RIGHT OF WAY OR EASEMENT INSPECTION IS UNABLE TO BE COMPLETED DUE TO AN OBSTRUCTION OF ANY SORT, SAID OBSTRUCTION MUST BE LOCATED AND REPORTED TO THE MSD PM IMMEDIATELY.

REQUIREMENTS OF PACP/LACP CCTV AND MANHOLE SEWER INSPECTIONS (CONTINUED)

4. ROBOTIC LACP INSPECTION SHALL BE DONE FROM THE MAIN SEWER OR AVAILABLE CLEANOUT OR ACCESS POINT. THE CONTRACTOR SHALL USE ROBOTIC TECHNOLOGY TO PUSH OR "LAUNCH"THE LATERAL CAMERA INTO THE BUILDING SEWER FROM THE MAINLINE. THE VAST MAJORITY OF BUILDING SEWERS ARE 6 INCHES IN DIAMETER AND ARE MADE OF VARIOUS MATERIALS. IF THE CONTRACTOR IS UNABLE TO PERFORM AN INSPECTION OF THE LATERAL DUE TO DEBRIS, ROOTS OR OTHER OBSTACLES IN THE BUILDING SEWER LATERAL, THEY SHALL CONTACT THE MSD PM FOR DIRECTION.

WALK THROUGH PACP/LACP INSPECTION (MANNED ENTRY)

THE CONTRACTOR SHALL BE RESPONSIBLE FOR:

1. THE OPERATOR ENTERING INTO LARGE DIAMETER SEWERS IN ORDER TO CONDUCT A FINAL MANHOLE-TO-MANHOLE (MH-MH) TELEVISING OF THE SEWER TO EVALUATE THE CONDITION OF THE SEWER AFTER ALL APPROPRIATE CLEANING, TRIMMING GRINDING, AND FLUSHING HAS BEEN PERFORMED. THE FINAL TELEVISING SHALL BE IN PACP AND SHALL FOLLOW ALL PAC V7.0 STANDARDS. THE CONTRACTOR MAY UTILIZE ROBOTIC EQUIPMENT TO PERFORM A PACP INSPECTION IN PIPE SIZES GREATER THAN 60 INCHES AT THE DIRECTION/APPROVAL OF THE MSD PM.

2. ALL MAN ENTRY INTO THE SEWER WILL FOLLOW THE CONTRACTOR'S HEALTH AND SAFETY PLAN WITH REGARDS TO CONFINED SPACE ENTRY.

3. CONDUCTING A FINAL TELEVISING OF EACH INDIVIDUAL BUILDING SEWER FROM THE MAIN SEWER LINE TO THE PUBLIC RIGHT OF WAY DESIGNATION OR SEWER EASEMENT LIMIT. THIS FINAL TELEVISING SHALL BE IN LACP AND SHALL FOLLOW ALL LACP V7.0 STANDARDS. IF A FULL MAINLINE TO RIGHT OF WAY OR SEWER EASEMENT INSPECTION IS UNABLE TO BE COMPLETED DUE TO AN OBSTRUCTION OF ANY SORT, SAID OBSTRUCTION MUST BE REPORTED TO THE MSD PM IMMEDIATELY.

THE CONTRACTOR SHALL SUBMIT WORK IN THE FORMAT REQUIRED BY MSDGC AND SHALL FOLLOW GUIDELINES FROM THE MSDGC PROJECT P M. IN ORDER TO CONTINUE IMPROVING THE UPLOADING OF DATA AND SUBMITTALS, THE MSDGC PM MAY UPDATE THE REQUIREMENTS AT ANY TIME, BUT WILL GIVE THE CONTRACTOR SUFFICIENT ACCESS TO MSD'S PROGRAMS AS NEEDED.

SUBMITTAL OF WORK TO MSDGC

WORK COMPLETED AND SUBMITTED TO MSDGC SHALL FOLLOW THE SPECIFICATIONS DETAILED IN THE SUBSECTIONS BELOW.

REQUIREMENTS OF ALL PACP AND LACP CCTV SUBMITTALS AND MANHOLE INSPECTION SUBMITTALS

ALL SUBMITTALS OF PACP AND LACP INSPECTIONS SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:

1. EACH SUBMITTAL THE PACP/LACP DATABASE FILE AND ITS CORRESPONDING VIDEO FILES SHALL CONTAIN WORK FROM ONLY 1 (ONE) INSPECTOR AND ONLY 1 (ONE) CCTV WORK CATEGORY FROM THE LIST BELOW:
   a. SANITARY AND/OR COMBINED MAINLINE SEWER INSPECTIONS (PACP)
   b. SANITARY AND/OR COMBINED BUILDING SEWER INSPECTIONS (LACP)
   c. STORM MAINLINE SEWER INSPECTIONS (PACP)
   d. STORM BUILDING SEWER INSPECTIONS (LACP)

REQUIREMENTS OF PACP/LACP CCTV AND MANHOLE SEWER INSPECTIONS (CONTINUED)

2. EACH SUBMITTAL SHALL BE ASSIGNED A UNIQUE TRACKING IDENTIFIER
   a. IN THE EVENT THAT A SUBMITTAL IS REJECTED AS UNACCEPTABLE, THE MSD PM SHALL DIRECT THE CONTRACTOR WHETHER TO REUSE THE ORIGINAL OR TO ASSIGN A NEW TRACKING IDENTIFIER.

3. EACH SUBMITTAL SHALL INCLUDE INSPECTIONS FROM ONLY ONE CALENDAR MONTH.

4. EACH PACP VIDEO FILE MUST BE IN STANDARD *.MP4 FORMAT AND NAMED AS DESCRIBED BELOW:

   a. [MONTH]_[DAY]_[YEAR]-[HOUR]_[MINUTE]_[AM/PM]-[INSPECTOR NAME]-[WORK ORDER NUMBER].MP4
   b. E.G., "1_03_2012-11_23_AM-M LONGMIRE-411032.MP4"

5. EACH LACP VIDEO FILE MUST BE IN STANDARD *.MP4 FORMAT AND NAMED AS DESCRIBED BELOW:

   a. [MONTH]_[DAY]_[YEAR]-[HOUR]_[MINUTE]_[AM/PM]-[INSPECTOR NAME]-[ADDRESS]_[STREET]-[WORK ORDER NUMBER].MP4
   b. E.G., "1_02_2012-07_51_PM-E SCHNEIDER-842 SUNDERLAND DR-405623.MP4"

6. EACH MANHOLE INSPECTION SHALL FOLLOW THE FORMAT PROVIDED BY MSD UTILIZING THEIR MANHOLE INSPECTION FORM.

7. ALL PACP, LACP AND MANHOLE INSPECTIONS MUST BE SUBMITTED WITHIN FOURTEEN (14) CALENDAR DAYS OF THE DATE OF WORK.

8. IN THE CASE OF REJECTION OF A WHOLE OR ANY PART OF A SUBMITTAL, CONTRACTOR SHALL HAVE FOURTEEN (14) CALENDAR DAYS FROM THE DATE OF NOTIFICATION OF SAID REJECTION TO ADDRESS, CORRECT, AND/OR RE-PERFORM AND THEN RE-SUBMIT SAID WORK TO MSDGC.

ITEM 202 - REMOVAL, MISC.: STREET CAR RAILS AND TIES REMOVED

THE CONTRACTOR IS ADVISED THAT STREET CAR CONCRETE BASE, RAILS, TIES, ETC MAY BE ENCOUNTERED ON LINN STREET OF THIS PROJECT. IF IT BECOMES NECESSARY TO REMOVE ANY EXISTING STREET CAR CONCRETE BASE, RAILS, TIES, ETC. THAT CONFLICT WITH THE PROPOSED WORK, THE CONTRACTOR SHALL REMOVE ALL CONCRETE BASE, RAILS, TIES, ETC. ALL COSTS ASSOCIATED WITH REMOVING THE EXISTING STEEL RAILS AND TIES SHALL BE INCLUDED IN THE CONTRACTOR'S UNIT BID PRICE FOR "ITEM 202 - STREET CAR RAILS AND TIES REMOVED." ALL COSTS ASSOCIATED WITH REMOVING THE EXISTING ASPHALT, CONCRETE BASE, ETC. SHALL BE INCLUDED IN THE CONTRACTOR'S UNIT PRICE FOR "ITEM 202 - PAVEMENT REMOVED." THE METHOD OF MEASUREMENT FOR "ITEM 202 - STREET CAR RAILS AND TIES REMOVED" WILL BE PER FOOT AND WILL BE MEASURED LONGITUDINALLY ALONG THE LINN STREET STATIONING AND SHALL INCLUDE ALL EXISTING STEEL RAILS AND TIES LOCATED TRANSVERSELY FROM EDGE OF PROPOSED PAVEMENT TO EDGE OF PROPOSED PAVEMENT WITHIN THE FOOT LONGITUDINALLY.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 202 - REMOVAL, MISC.: STREET CAR RAILS AND TIES REMOVED	150 FT

6

ITEM 108 - CPM PROGRESS SCHEDULE, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF PROPOSAL NOTE 107, THE FOLLOWING ITEMS SHALL APPLY:

- THE CONTRACTOR SHALL INCLUDE THE UTILITY OWNERS RELOCATION TIME FRAMES WITHIN THE SCHEDULE.

- COORDINATE ALL PROJECT WORK AND UTILITY WORK WITH THE AFFECTED UTILITY OWNERS.

ITEM 619 - FIELD OFFICE, AS PER PLAN

THE CONTRACTOR SHALL ENTER INTO A LEASE AGREEMENT FOR A FIELD OFFICE AT LONGWORTH HALL LOCATED AT 700 W PETE ROSE WAY, CINCINNATI, OHIO 45203 FOR DEPARTMENT PERSONNEL. THE DEPARTMENT SHALL APPROVE OF THE SPACE PRIOR TO THE EXECUTION OF THE LEASE. THE LEASE SHALL BE EXECUTED WITHIN THIRTY (30) CALENDAR DAYS OF THE DATE THE CONTRACT IS SIGNED AND THE SPACE AVAILABLE FOR DEPARTMENT USE WITHIN FORTY-FIVE (45) CALENDAR DAYS OF THE DATE THE CONTRACT IS SIGNED. FAILURE TO MEET THE AFOREMENTIONED TIME FRAMES SHALL RESULT IN A DISINCENTIVE IN THE AMOUNT OF $1000 PER CALENDAR DAY FOR EACH CALENDAR DAY THE REQUIREMENTS ARE NOT MET. IN ADDITION, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING:

- MAINTAIN ALL UTILITY SERVICES (E.G., ELECTRIC, SECURITY, TELEPHONE, WATER) FOR THE DURATION OF THE PROJECT.

- INTERNET SERVICE CONNECTION - PROVIDE A FIBER OR CABLE BROADBAND INTERNET CONNECTION CAPABLE OF MINIMUM DOWNLOAD SPEEDS AS FOLLOWS: 500 MBPS DOWNLOAD 50 MBPS UPLOAD - NETWORK LATENCY LESS THAN 50 MILLISECONDS.

- ONE MULTI-FUNCTION COPIER THAT IS SETUP FOR SCANNING, PRINTING AND COPYING. PLEASE SEE C&MS TABLE 619.02-1 FOR DETAILS.

-TEN (10) EACH DELUXE HIGH BACK SWIVEL OFFICE CHAIRS WITH ARMS.

- WATER SERVICE CONSISTING OF:
  - SIXTY (60) GALLONS (I.E. 12 FIVE GALLON CONTAINERS) OF PURIFIED WATER PER MONTH.
  - WATER DISPENSER CAPABLE OF COOLING AND HEATING THE FIVE GALLON WATER CONTAINERS.

- THESE ITEMS SHALL BE PROVIDED WITHIN FORTY-FIVE (45) CALENDAR DAYS OF THE DATE THE CONTRACT IS SIGNED. FAILURE TO PROVIDE THE ITEMS WITHIN THE STATED TIME SHALL RESULT IN A DISINCENTIVE IN THE AMOUNT OF $1000 PER CALENDAR DAY FOR EACH CALENDAR DAY THE ITEMS ARE NOT PROVIDED.

- ALL ITEMS MUST BE APPROVED BY THE DEPARTMENT PRIOR TO EXECUTION AND/OR ORDERING.

COMPENSATION: THE DEPARTMENT WILL FURNISH ITEM 619 EACH, FIELD OFFICE WITH AN AMOUNT IN THE PROPOSAL TO PAY FOR THE FIELD OFFICE. THE FIXED AMOUNT SHOWN IN THE PROPOSAL IS INCLUDED (AS ANY OTHER BID ITEMS) IN THE TOTAL BID AMOUNT. THIS FIXED AMOUNT IS THE DEPARTMENT'S ESTIMATE OF THE TOTAL COST OF FIELD OFFICE FOR THE PROJECT. IF THE FIELD OFFICE EXCEEDS THIS AMOUNT, THE FIELD OFFICE WILL STILL BE PAID AT INVOICE SUPPORTED ACTUAL COSTS. THE PAYMENT DUE WILL BE DEDUCTED FROM ITEM 619 EACH, FIELD OFFICE. C&MS TABLE 104.02-2 DOES NOT APPLY TO REDUCTIONS IN THIS CONTRACT ITEM.

BASIS OF PAYMENT: THE CONTRACTOR WILL BE COMPENSATED FOR THE INVOICE SUPPORTED ACTUAL COSTS. THE DEPARTMENT WILL NOT PAY A PERCENT MARKUP ON THESE COSTS.

GENERAL NOTES

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
LZS

REVIEWER
KAM 03/03/25

PROJECT ID
122048

SHEET P.13A TOTAL P.421

HAM-IR 75-1.05

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). IN ADDITION, THE FOLLOWING LOCAL OFFICIALS SHALL RECEIVE NOTIFICATION:

CHRIS KELLY, CITY OF CINCINNATI:
CHRIS.KELLY@CINCINNATI-OH.GOV

CURTIS HINES
CURTIS.HINES@CINCINNATI-OH.GOV

THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

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

NOTIFICATION TIME FRAME TABLE

ITEM	DURATION OF CLOSURE	NOTIFICATION DUE TO DISTRICT 8 PIO	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD CLOSURES	>=2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS &< 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE	7 CALENDAR DAYS PRIOR TO CLOSURE
	<=12 HOURS	4 CALENDAR DAYS PRIOR TO CLOSURE	2 CALENDAR DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>=2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE	
	< 2 WEEKS	5 CALENDAR DAYS PRIOR TO CLOSURE	
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION	

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

VERTICAL CLEARANCE

ANY WORK (FALSEWORK, TRAFFIC PROTECTION, CONTAINMENT, ETC. OVER LIVE TRAFFIC BY THE CONTRACTOR THAT REDUCES THE EXISTING VERTICAL CLEARANCE IS PROHIBITED UNLESS 30 DAYS ADVANCED NOTICE IS PROVIDED WITH NEW PROPOSED VERTICAL CLEARANCES. THE CONTRACTOR SHALL PROVIDE FIELD MEASUREMENTS BEFORE ALLOWING TRAFFIC UNDERNEATH. NO WORK OVER TRAFFIC SHALL OCCUR WITH A VERTICAL CLEARANCE LESS THAN 14'-0". LOWERING THE VERTICAL CLEARANCE DURING CONSTRUCTION IS CONSIDERED THE CONTRACTOR'S MEANS AND METHODS OF ACCOMPLISHING THE WORK, AND THEREFORE THE STATE IS NOT RESPONSIBLE FOR ANY DAMAGE FROM VEHICULAR IMPACTS THAT MAY RESULT AS PER 107.10.

IF ANY WORK IS TO OCCUR THAT REDUCES THE EXISTING VERTICAL CLEARANCE, THEN THE FOLLOWING ADVANCE WARNING SIGNS SHALL BE INSTALLED A MINIMUM OF 2 WEEKS PRIOR TO PERFORMING SUCH WORK. SIGNING SHALL BE AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD) OF THE TYPE AND LOCATION AS FOLLOWS:

•W12-2-48 SIGN DUAL MOUNTED AT OR WITHIN 100 FEET OF THE BRIDGE IN EACH DIRECTION.
•W12-2-48 SIGN WITH W16-2AP-30 PLAQUE (1000 FT) DUAL MOUNTED 1000 FEET BEFORE THE BRIDGE IN EACH DIRECTION (NORTHBOUND WILL BE TRIPLE MOUNTED).
•W12-2-48 SIGN WITH W16-3AP-30 PLAQUE (1 MILE) DUAL MOUNTED AT THE 2.0 MILE MARKER SOUTHBOUND; W16-3AP-30 PLAQUE (1/2 MILE) AT THE 0.32 MILE MARKER NORTHBOUND I-75; W16-3AP-30 PLAQUE (3/4 MILE) SINGLE MOUNTED OVERHEAD/OVERLAY ABOVE 3RD STREET ON THE RAMP FROM SOUTHBOUND I-71.
•THE HEIGHT LISTED ON THE W12-2 SIGN SHALL BE 3" LOWER THAN THE ACTUAL TEMPORARY VC.

DRUM REQUIREMENTS

IN ADDITION TO THE REQUIREMENTS OF THE PLANS, SPECIFICATION AND PROPOSAL, DRUMS FURNISHED BY THE CONTRACTOR SHALL BE NEW AND UNUSED AT THE TIME OF ARRIVAL ON THE PROJECT. ANY DRUMS BROUGHT ON THE PROJECT, WHICH HAVE PREVIOUSLY BEEN USED ELSEWHERE, WILL NOT BE ACCEPTED.

PAYMENT FOR DRUMS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR MAINTAINING TRAFFIC UNLESS SEPARATELY ITEMIZED.

CITY OF CINCINNATI DOTE

•IF PROJECT ACTIVITIES ARE PERFORMED IN CITY OF CINCINNATI RIGHT OF WAY, OR WILL IMPACT LOCAL ROADS, THEN THE CONTRACTORS MUST APPLY FOR A CITY PERMIT.

•PERMITS: A CITY OF CINCINNATI DOTE PERMIT IS REQUIRED PRIOR TO THE ODOT CONTRACTOR COMMENCING WORK INSIDE THE CITY'S RIGHT OF WAY. PERMITS WILL BE AT "NO COST" AND REQUIRE DOTE'S GENERAL PERMIT TO BE APPLIED FOR.

•THE CITY OF CINCINNATI'S CITIZENS AND BUSINESSES HOST MANY MAJOR EVENTS THAT MAY AFFECT TRANSPORTATION ASSETS WITHIN THE PROJECT LIMITS. CITY ISSUED PERMITS MAY REQUIRE MAJOR EVENT WORK RESTRICTIONS ON THE CONTRACTOR'S ACTIVITIES. THE CITY MAINTAINS A LIST OF KNOWN MAJOR EVENTS AT THE FOLLOWING WEBSITE: HTTP://CINCINNATI-OH.GOV/POLICE/SPECIAL EVENTS-REGULATIONS-AUCTIONS/EVENT-PERMITS/ .

PATCHING RUMBLE STRIPS

THE CONTRACTOR SHALL MILL THE EXISTING RUMBLE STRIPS A WIDTH OF 3 FEET AT 1 ½ INCH DEPTH AND PAVE WITH 1 ½ INCH ITEM 448 ASPHALT CONCRETE SURFACE COURSE, TYPE 1. PAYMENT FOR ALL MATERIALS, LABOR AND EQUIPMENT SHALL BE INCLUDED FOR PAYMENT UNDER ITEM 614 MAINTAINING TRAFFIC, MISC.: RUMBLE STRIP MILLED/FILLED

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614 MAINTAINING TRAFFIC, MISC.: RUMBLE STRIP MILLED/FILLED - 1,400 FT.

ITEM 622, PORTABLE BARRIER, AS PER PLAN

AT THE LOCATION DESCRIBED IN THE NOTES FOR PHASE 3 FOR CLOSURE OF OPENINGS IN EXISTING MEDIAN BARRIER DUE TO PIER REMOVAL AND CONSTRUCTION. FURNISH AND INSTALL PORTABLE BARRIER, MAINTAIN IT, AND SUBSEQUENTLY LEAVE IT IN PLACE, FOR USE IN PID 116649(BSB). CONNECT TO EXISTING MEDIAN BARRIER WITH THRIE BEAM CONNECTION AS PER SCD MT-101.80. PORTABLE BARRIER AND APPURTENANCES FURNISHED BY THIS PROJECT AS PART OF THIS ITEM SHALL BECOME THE PROPERTY OF ODOT. PAYMENT SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND SHALL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR ITEM 622, PORTABLE BARRIER, AS PER PLAN.

6

6

INCENTIVE/DISINCENTIVE CONTRACT TABLE

DESCRIPTION OR LOCATION OF CRITICAL WORK	COMPLETION DATE	TIME PERIOD	DISINCENTIVE $ PER TIME PERIOD	INCENTIVE $ PER TIME PERIOD	MAX INCENTIVE $
COMPLETION OF PHASE 1; DEMOLITION OF THE ENTIRE EXISTING BRIDGE HAM-75-0150 (LINN STREET OVER I-75 AND GEST STREET), AT A MINIMUM, NORTH OF EXISTING PIER #4; PROPOSED FORWARD ABUTMENT AND PROPOSED PIER #2 OF HAM-75-0104 (LINN STREET OVER I-75 AND GEST STREET).	8/15/2026	DAY	$25,000	$33,000	$500,000
COMPLETION OF BRIDGE HAM-75-0104 PROPOSED SUPERSTRUCTURE FRAMING AND REMOVAL OF TEMPORARY STEEL SUPPORT	2/15/2027	DAY	$25,000	$25,000	$500,000
OPENING OF LINN STREET BRIDGE TO ALL PEDESTRIAN AND VEHICULAR TRAFFIC	5/1/2028	DAY	$25,000	$25,000	$500,000
COMPLETION OF WALL #2	9/1/2028	DAY	$25,000	$25,000	$500,000

6

NOTES
1) NOISE WALL #6 CONSTRUCTION SHALL NOT BEGIN PRIOR TO 7/1/2027.
2) CONSTRUCTION OF PROPOSED PIER #2 OF HAM-75-0104 WILL REQUIRE DEMOLITION OF EXISTING PIER 4 OF HAM-75-0150.

GENERAL NOTES - MAINTENANCE OF TRAFFIC

DESIGN AGENCY
Palmer ENGINEERING
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(513) 469-1600

DESIGNER DPF
REVIEWER DCJ 12/20/24
PROJECT ID 122048

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

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

APPROVED MOT EXCEPTION(S) INCLUDE:

1) THE CONTRACTOR IS PERMITTED A MAXIMUM OF 4 WEEKEND COMPLETE CLOSURES TO PERFORM STEEL REMOVAL AND STEEL ERECTION. A WEEKEND IS DEFINED AS BEGINNING 11 PM FRIDAY NIGHT AND ENDING AT 5 AM MONDAY MORNING, AND SHALL BE:

6

2 WEEKENDS: SOUTHBOUND I-75 ONLY
1 WEEKEND: NORTHBOUND I-75 ONLY
1 WEEKEND: BOTH NORTHBOUND AND SOUTHBOUND I-75
1 WEEKEND: 9th STREET ENTRANCE RAMP TO NORTHBOUND I-75

IN THE SOUTHBOUND DIRECTION, A SOFT CLOSURE (DOUBLE LANE CLOSURE EXTENDING BEYOND THE LINE OF SIGHT) SHALL BE INSTALLED AT SR 562 WITH THE HARD CLOSURE AT FREEMAN AVENUE. IN THE NORTHBOUND DIRECTION, A SOFT CLOSURE (DOUBLE LANE CLOSURE EXTENDING BEYOND THE LINE OF SIGHT) SHALL BE INSTALLED AT THE I-71/I-75 SPLIT WITH THE HARD CLOSURE AT WESTBOUND US 50.

A PCMS SHALL BE PROVIDED AT ALL ENTRANCE RAMPS BETWEEN THE SOFT CLOSURE AND LINN STREET. 2 PCMS SHALL BE LOCATED ON MAINLINE I-75 IN ADVANCE OF BOTH THE HARD AND SOFT CLOSURES. MT-95.50 EXTRA ADVANCE SIGNING, 3 AND 5 MILE CLUSTERS SHALL BE PROVIDED BEFORE BOTH THE HARD AND SOFT CLOSURE. WZQDWS SHALL BE PROVIDED IN ADVANCE OF BOTH THE HARD AND SOFT CLOSURES. A POSTED DETOUR USING SR 562 AND I-71 SHALL BE PROVIDED CONSISTING OF 11 SIGN ASSEMBLIES ALONG THE DETOUR ROUTE; THE SIGN ASSEMBLY CONSISTS OF A DETOUR PLAQUE, DIRECTION PLAQUE, AND I-75 ROUTE SHIELD (A DETOUR MAP WILL BE PROVIDED AT THE PRE-CONSTRUCTION MEETING).

THE CONTRACTOR SHALL INCLUDE EACH WEEKEND CLOSURE AS AN ACTIVITY IN THE CPM SCHEDULE.

2) THE CONTRACTOR IS PERMITTED A MAXIMUM OF 4 OVERNIGHT COMPLETE CLOSURES TO PERFORM ASSOCIATED DECK WORK (SAWING, REMOVAL, FALSEWORK). OVERNIGHT IS DEFINED AS BEGINNING 10 PM AND ENDING AT 5 AM THE FOLLOWING DAY, EXCEPT FRIDAY AND SATURDAY NIGHTS ARE BEGINNING AT 11 PM AND ENDING AT 6 AM. IN THE SOUTHBOUND DIRECTION, THE HARD CLOSURE IS LOCATED AT FREEMAN AVENUE. IN THE NORTHBOUND DIRECTION, THE HARD CLOSURE IS LOCATED AT WESTBOUND US 50.

A PCMS SHALL BE PROVIDED AT ALL ENTRANCE RAMPS BETWEEN THE DETOUR POINT AND LINN STREET. 2 PCMS SHALL BE LOCATED ON MAINLINE I-75 IN ADVANCE OF THE HARD CLOSURES. WZQDWS SHALL BE PROVIDED IN ADVANCE OF THE HARD CLOSURE. A DETOUR USING 3 PCMS SHALL BE PROVIDED ALONG SR 562 AND I-71 (A DETOUR MAP WITH PCMS MESSAGES WILL BE PROVIDED AT THE PRE-CONSTRUCTION MEETING).

THE CONTRACTOR SHALL INCLUDE EACH OVERNIGHT CLOSURE AS AN ACTIVITY IN THE CPM SCHEDULE.

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 AND THE CITY OF CINCINNATI, 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 EMAIL 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 9/4/25 FOR PID 116649/ 122048" IN THE NOTIFICATION AND OTHER CORRESPONDENCE.

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.

COORDINATION AND COOPERATION BETWEEN CONTRACTORS

COORDINATE AND COOPERATE FULLY WITH THE OHIO DEPARTMENT OF TRANSPORTATION (ODOT), LOCAL AGENCIES, AND CONTRACTORS ON ALL ADJACENT AND OVERLAPPING PROJECTS. EXPECT COORDINATION EFFORTS TO EXCEED TYPICAL PRACTICE DUE TO THE NUMBER AND COMPLEXITY OF CONCURRENT ACTIVITIES IN THE AREA. THE DEPARTMENT WILL PROVIDE CONTACT INFORMATION FOR ALL ADJACENT CONTRACTS AT THE PRE-CONSTRUCTION MEETING.

AT ANY TIME, THE DEPARTMENT MAY CONTRACT FOR ADDITIONAL WORK ON OR NEAR THE PROJECT. CONDUCT ALL WORK WITHOUT INTERFERING WITH, HINDERING THE PROGRESS OF, OR PREVENTING THE COMPLETION OF WORK ON THIS OR ANY OTHER PROJECT. COOPERATE WITH OTHER CONTRACTORS AND WITH THE ENGINEER TO PREVENT AND MITIGATE IMPACTS ACROSS ALL AFFECTED PROJECTS.

ACTIVELY ENGAGE IN PLANNING AND COMMUNICATION TO AVOID CONFLICTS INVOLVING ADVANCE WARNING SIGNAGE, DETOUR ROUTES, LANE CLOSURES, OR ANY OTHER ACTIVITY THAT MAY DISRUPT THE SAFE AND EFFICIENT EXECUTION OF WORK. THIS LIST IS NOT EXHAUSTIVE—IDENTIFY AND RESOLVE ALL POTENTIAL CONFLICTS THROUGH PROACTIVE COORDINATION.

COORDINATE WITH THE DEPARTMENT TO IMPLEMENT ALL NECESSARY MITIGATION MEASURES, INCLUDING BUT NOT LIMITED TO RE-SEQUENCING, RE-TIMING, OR RE-PHASING OF WORK. DOCUMENT ALL COORDINATION EFFORTS AND MITIGATION ACTIONS.

IF UNAVOIDABLE CONFLICTS ARISE DESPITE ACTIVE COORDINATION, AND THE ENGINEER DETERMINES THAT DELAYS ARE BEYOND THE CONTRACTOR'S CONTROL, SUCH DELAYS WILL BE CONSIDERED EXCUSABLE FOR THE PURPOSES OF MILESTONE INCENTIVES. IF THE ENGINEER DETERMINES THAT MITIGATION EFFORTS HAVE RESULTED IN DEMONSTRABLE ADDITIONAL COSTS AND WERE NECESSARY DUE TO COORDINATION REQUIREMENTS, THE DEPARTMENT MAY COMPENSATE THOSE COSTS.

HOWEVER, FAILURE TO PERFORM ACTIVE COORDINATION, COMPLY WITH REQUIRED NOTIFICATION PROCEDURES, OR COMPLY WITH NOTIFICATION TIME FRAME TABLE WILL RESULT IN DELAYS BEING DEEMED NON-EXCUSABLE AND NON-COMPENSABLE.

ATTEND ALL DEPARTMENT-REQUESTED TRAFFIC COORDINATION MEETINGS INVOLVING ADJACENT PROJECTS. ENSURE THAT THE PROJECT SUPERINTENDENT AND WORKSITE TRAFFIC SUPERVISOR (WTS) ARE PRESENT. PARTICIPATION IN THESE MEETINGS IS MANDATORY AND SHALL BE CONSIDERED INCIDENTAL TO THE LUMP SUM MAINTENANCE OF TRAFFIC PAY ITEM.

THE PROJECTS REQUIRING COORDINATION AND COOPERATION, INCLUDE BUT ARE NOT LIMITED TO:

- ODOT BRENT SPENCE BRIDGE, PID 116649
- METROPOLITAN SEWER DISTRICT PROJECT 10142950 - EAST BRANCH OHIO RIVER INTERCEPTOR (EBORI) EXTENSION PROJECT (LAUNCH PIT AT WESTERN AVE/GEST STREET/SB I-75 ON RAMP)
- CITY OF CINCINNATI – LINN ST ROAD DIET

A GENERAL OVERVIEW OF THE COORDINATION WITH PID 116649 AND THE EBORI IS OUTLINED IN THE PHASING DESCRIPTION ON SHEET P.13. THE SPECIFICS ARE DETAILED IN THIS NOTE.

PHASE 1 (SHEETS P.46 - P.47):
CONTRACTOR SHALL COORDINATE MOBILIZATION WITH THE CONTRACTOR FOR THE METROPOLITAN SEWER DISTRICT EBORI PROJECT AND SETUP OF MOT AT THE LAUNCH PIT SITE AT WESTERN AVE/GEST STREET/SB I-75 ON RAMP. IF THE MOT FOR EBORI IS SETUP PRIOR TO MOBILIZATION FOR THIS PROJECT, THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR WORK SITE TRAFFIC SUPERVISION, WORK ZONE PAVEMENT MARKINGS AND SIGNAGE. THE PORTABLE BARRIER PLACED BY THE EBORI CONTRACTOR WILL REMAIN AND BE MAINTAINED INCLUDING CONSTRUCTION ACCESS POINTS. IF THE EBORI LAUNCH PIT SITE IS STILL ACTIVE AT THE CONCLUSION OF THIS PROJECT, THE EORBI CONTRACTOR WILL REASSUME RESPONSIBILITY FOR WORK SITE TRAFFIC SUPERVISION, WORK ZONE PAVEMENT MARKINGS AND SIGNAGE. PRIOR TO ANTICPATED COMPLETION OF PHASE 1,PROVIDE THE BSB (PID 116649) TEAM 14 CALENDAR DAYS NOTICE TO SCHEDULE THE TRAFFIC SWITCH SEQUENCE DESCRIBED BELOW IN PHASE 2 (NORTHBOUND I-75)

PHASE 2 (NORTHBOUND I-75):
BY THE DATE REQUIRED IN THE DISINCENTIVE CONTRACT TABLE FOR THE COMPLETION OF PHASE 1 (DEMOLITION OF THE ENTIRE EXISTING BRIDGE HAM-75-0150, PROPOSED FORWARD ABUTMENT AND PROPOSED PIER #2 AND PORTION OF WALL #2), THE ENTIRETY OF NORTHBOUND I-75 WILL BE TURNED OVER TO THE CONTRACTOR FOR THE BRENT SPENCE BRIDGE (BSB) -PID 116649 TO SETUP MOT. SOUTHBOUND I-75 MOT RESPONSIBILITY AND MAINTENANCE WILL REMAIN WITH THE PID 122048 CONTRACTOR.

COORDINATION IS REQUIRED BY THE PID 122048 CONTRACTOR FOR THE NORTHBOUND TRAFFIC SWITCH FROM PHASE 1 (250404) TO PHASE 2 BSB (PID 116649). THE BSB (PID 116649) TEAM WILL NEED TO INSTALL PORTABLE BARRIER PROTECTION IN THE MEDIAN BEHIND PHASE 1 (PID 122048) PORTABLE BARRIER; FOR SCHEDULE PURPOSES ASSUME THIS OPERATION WILL TAKE 2 WORKING DAYS. ONCE THE PHASE 2 MEDIAN PORTABLE BARRIER IS INSTALLED, THE ENTIRE RUN OF PHASE 1 NORTHBOUND LEFT SHOULDER PORTABLE BARRIER SHALL BE REMOVED. THEN THE BSB(PID 116649) TEAM WILL INSTALL THE REMAINDER OF PHASE 2 TRAFFIC CONTROL ITEMS; FOR SCHEDULE PURPOSES ASSUME THIS OPERATION WILL TAKE 7 WORKING DAYS. ONCE THE PHASE 2 TRAFFIC SWITCH IS COMPLETE, THE ENTIRE RUN OF PHASE 1 NORTHBOUND RIGHT SHOULDER PORTABLE BARRIER SHALL BE REMOVED.

PHASE 3 (SOUTHBOUND I-75):
BY THE DATE REQUIRED IN THE DISINCENTIVE CONTRACT TABLE FOR THE COMPLETE OPENING OF LINN STREET BRIDGE TO ALL PEDESTRIAN AND VEHICULAR TRAFFIC, THE ENTIRETY OF SOUTHBOUND I-75 WILL BE RESTORED TO PRE-CONSTRUCTION CONFIGURATION. REMOVE PORTABLE BARRIER AND WZIA AND CLOSE OPENINGS IN EXISTING MEDIAN BARRIER DUE TO PIER REMOVAL AND CONSTRUCTION.

DETOUR ROUTES:
THE FOLLOWING DETOUR ROUTES WILL BE REQUIRED TO CONTINUE OPERATION DURING THE BRENT SPENCE BRIDGE, PID 116649 AT THE CONCLUSION OF HIS PROJECT:

SHEET P.56 - WESTERN AVE TO I-75 S.
SHEET P.57 - EASTBOUND GEST STREET
SHEET P.58 - WESTBOUND GEST STREET

THE CONTRACTOR(S) ON PID 116649 (BRENT SPENCE BRIDGE) SHALL ASSUME MAINTENANCE OF THE DETOURS AFTER THIS PROJECT. INSPECTION OF THE SIGNAGE AND BARRICADES BY REPRESENTATIVES OF THE CONTRACTOR, ODOT AND THE BRENT SPENCE BRIDGE WILL TAKE PLACE AT THIS TIME. THE CONTRACTOR FOR PID 122048 CAN CHOOSE TO REMOVE AND RETAIN THE SIGNAGE AND BARRICADES, OR UNDER SEPARATE AGREEMENT, ALLOW THE BRENT SPENCE BRIDGE CONTRACTOR TO RETAIN AND ASSUME CONTROL AND MAINTENANCE OF THE DETOURS, ANY DEFICIENCIES FOUND IN THE SIGNAGE AND BARRICADES FROM THIS INSPECTION SHALL BE CORRECTED BY THE CONTRACTOR. A SUMMARY OF SIGNAGE AND BARRICADES TRANSFERRED TO BRENT SPENCE BRIDGE CONTRACTOR SHALL BE PROVIDED TO THE ENGINEER AND WILL INCLUDE DOCUMENTATION OF CORRECTIVE ACTIONS NECESSARY TO CORRECT DEFICIENCIES FOUND IN THE INSPECTION

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DESIGNER
DPF
REVIEWER
DCJ 12/20/24
PROJECT ID
122048

OFFICE CALCS	P.11	P.13	P.13A	P.68	P.69	P.74	P.90	P.148		01/IMS	02/IMS	03/IMS	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
																	ROADWAY	
										LS			201	11000	LS		CLEARING AND GRUBBING	
				9,679				144		9,268		731	202	23000	9,999	SY	PAVEMENT REMOVED	
				8,059						8,059			202	30000	8,059	SF	WALK REMOVED	
		45								45			202	30600	45	SY	CONCRETE MEDIAN REMOVED	
		249		3,302						3,551			202	32000	3,551	FT	CURB REMOVED	
				656						656			202	35100	656	FT	PIPE REMOVED, 24" DIAMETER AND UNDER	
		139		2,224						2,363			202	38000	2,363	FT	GUARDRAIL REMOVED	
				1						1			202	42001	1	EACH	ANCHOR ASSEMBLY REMOVED, TYPE A, AS PER PLAN	P.12
				1						1			202	58000	1	EACH	MANHOLE REMOVED	
				11						11			202	58100	11	EACH	CATCH BASIN REMOVED	
				1,705						1,705			202	75000	1,705	FT	FENCE REMOVED	
				440						440			202	98200	440	FT	REMOVAL MISC.: RETAINING WALL	P.12
		6	150							150			202	98200	150	FT	REMOVAL MISC.:STREET CAR RAILS AND TIES REMOVED	P.13A
							16,726			16,726			203	10000	16,726	CY	EXCAVATION	
							2,106			2,106			203	20000	2,106	CY	EMBANKMENT	
							653			653			203	20001	653	CY	EMBANKMENT, AS PER PLAN	P.12
						1,409				1,409			204	13000	1,409	CY	EXCAVATION OF SUBGRADE	
						1,409				1,409			204	30020	1,409	CY	GRANULAR MATERIAL, TYPE C	
						5				5			204	45000	5	HOUR	PROOF ROLLING	
						4,225				4,225			204	50000	4,225	SY	GEOTEXTILE FABRIC	
						199				199			206	10500	199	TON	CEMENT	
						6,643				6,643			206	11000	6,643	SY	CURING COAT	
						6,643				6,643			206	15020	6,643	SY	CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	
LS										LS			206	30000	LS		MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS	
		100			450					550			606	15050	550	FT	GUARDRAIL, TYPE MGS	
		1			1					2			606	26150	2	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	
					1					1			606	26550	1	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
					1					1			606	35002	1	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
		1								1			606	60022	1	EACH	IMPACT ATTENUATOR, TYPE 2 (UNIDIRECTIONAL) (35 MPH)	P.13
					104					104			607	98000	104	FT	FENCE, MISC.: WOOD FENCE	P.12
					31,812					31,812			608	12000	31,812	SF	5" CONCRETE WALK	
					754					754			608	52000	754	SF	CURB RAMP	
					54					54			608	98000	54	SF	WALKWAY, MISC.: 12" CONCRETEWALK	P.12
					194					194			622	10120	194	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE C	
					20					20			622	10160	20	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D	
					1					1			622	25000	1	EACH	CONCRETE BARRIER END SECTION, TYPE D	
					1					1			622	25008	1	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C	
					1					1			622	25050	1	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D	
					273					273			622	41101	273	FT	PORTABLE BARRIER, UNANCHORED, AS PER PLAN	P.13
		640								640			622	41111	640	FT	PORTABLE BARRIER, ANCHORED, AS PER PLAN	P.13
LS										LS			SPECIAL	69098400	LS		CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUDING TESTING AND INSPECTION	P.13
																	EROSION CONTROL	
	2									2			659	00100	2	EACH	SOIL ANALYSIS TEST	
	985									985			659	00300	985	CY	TOPSOIL	
	8,873									8,873			659	10000	8,873	SY	SEEDING AND MULCHING	
	444									444			659	14000	444	SY	REPAIR SEEDING AND MULCHING	
	444									444			659	15000	444	SY	INTER-SEEDING	
	1.31									1.31			659	20000	1.31	TON	COMMERCIAL FERTILIZER	
	1.83									1.83			659	31000	1.83	ACRE	LIME	
	49									49			659	35000	49	MGAL	WATER	
LS										LS			832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
LS										LS			832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
LS										LS			832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
55,000										55,000			832	30000	55,000	EACH	EROSION CONTROL	

GENERAL SUMMARY

DESIGN AGENCY: STRUCTUREPOINT LLC

DESIGNER: LZS

REVIEWER: KAM 03/03/25

PROJECT ID: 122048

SHEET P.59 TOTAL P.421

HAM-IR 75-1.05

SHEET NUM.										PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
OFFICE CALCS	P.12	P.13	P.69	P.71	P.72	P.74	P.148	P.149	P.203	01/IMS	02/IMS	03/IMS						
																	DRAINAGE	
					2,245					2,245			605	11100	2,245	FT	6" SHALLOW PIPE UNDERDRAINS	
	100									100			605	13300	100	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	
	100				240					340			611	00510	340	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
				425						425			611	04401	425	FT	12" CONDUIT, TYPE B, AS PER PLAN	P.13
				931						931			611	04401	931	FT	12" CONDUIT, TYPE B, AS PER PLAN (CINCINNATI)	P.13
				78						78			611	04601	78	FT	12" CONDUIT, TYPE C, AS PER PLAN	P.13
				92						92			611	04601	92	FT	12" CONDUIT, TYPE C, AS PER PLAN (CINCINNATI)	P.13
				287						287			611	05901	287	FT	15" CONDUIT, TYPE B, AS PER PLAN	P.13
				263						263			611	05901	263	FT	15" CONDUIT, TYPE B, AS PER PLAN (CINCINNATI)	P.13
				49						49			611	06101	49	FT	15" CONDUIT, TYPE C, AS PER PLAN (CINCINNATI)	P.13
				339						339			611	07401	339	FT	18" CONDUIT, TYPE B, AS PER PLAN	P.13
				254						254			611	07401	254	FT	18" CONDUIT, TYPE B, AS PER PLAN (CINCINNATI)	P.13
				50						50			611	07601	50	FT	18" CONDUIT, TYPE C, AS PER PLAN	P.13
				24						24			611	07601	24	FT	18" CONDUIT, TYPE C, AS PER PLAN (CINCINNATI)	P.13
				53						53			611	10401	53	FT	24" CONDUIT, TYPE B, AS PER PLAN	P.13
				4						4			611	98150	4	EACH	CATCH BASIN, NO. 3	
				16						16			611	98180	16	EACH	CATCH BASIN, NO. 3A	
				5						5			611	98370	5	EACH	CATCH BASIN, NO. 6	
				2						2			611	98470	2	EACH	CATCH BASIN, NO. 2-2B	
				1						1			611	98510	1	EACH	CATCH BASIN, NO. 2-3	
				9						9			611	98690	9	EACH	CATCH BASIN, MISC.: COMBINATION INLET (CI) (CINCINNATI)	P.13
				6						6			611	98690	6	EACH	CATCH BASIN, MISC.: DOUBLE GUTTER INLET MANHOLE (DGIMH) (CINCINNATI)	P.13
				1						1			611	98810	1	EACH	INLET, NO. 3C	
				1						1			611	99500	1	EACH	INLET, MISC.: DITCH INLET (DI) (CINCINNATI)	P.13
				3						3			611	99574	3	EACH	MANHOLE, NO. 3	
				3						3			611	99690	3	EACH	MANHOLE, MISC.:STANDARD MANHOLE, TYPE B (CINCINNATI)	P.13
		200								200			SPECIAL	69098600	200	HOUR	DRAINAGE SYSTEM CLEANING, 36" AND UNDER	P.13
		100								100			SPECIAL	69098600	100	HOUR	DRAINAGE SYSTEM CLEANING, OVER 36	P.13
				268						268			839	29000	268	FT	TRENCH DRAIN, TYPE A WITH STANDARD GRATE	
																	PAVEMENT	
						5,537				5,537			257	10000	5,537	SY	DIAMOND GRINDING PORTLAND CEMENT CONCRETE PAVEMENT	
	30					2,197				2,227			302	56000	2,227	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	P.12
						1,199				1,199			304	20000	1,199	CY	AGGREGATE BASE	
						1,148				1,148			407	20000	1,148	GAL	NON-TRACKING TACK COAT	
						485 6				485 6			442	20000	485	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448)	
						497				497			442	20180 6	497	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE B (448) 6	
							11	41		52			442	90000	52	CY	ASPHALT CONCRETE, MISC.: FULL-DEPH 448 TYPE 1 HOT-MIX ASPHALT PER CINCINNATI ITEM 627 DRIVEWAYS	P.13
							56	65		121			452	11010	121	SY	7" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
	105					92				197			452	14020	197	SY	10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA	P.13
						276				276			609	71000	276	SF	CONCRETE MEDIAN	
			46							46			609	98000	46	FT	CURB, MISC.: TYPE B-1 CURB (CINCINNATI)	P.13
			82							82			609	98000	82	FT	CURB, MISC.: TYPE P-1 CURB (CINCINNATI)	P.13
		100	4,098				41	154		4,393			609	98000	4,393	FT	CURB, MISC.: TYPE S-1 CURB (CINCINNATI)	P.13
LS										LS			878	25000	LS		INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS	
																	WATER WORK	
									2	2			SPECIAL	63820500	2	EACH	**VALVE BOX ADJUSTED TO GRADE (GCWW)**	
									2	2			SPECIAL	63820760	2	EACH	FIRE HYDRANT REMOVED AND DISPOSED OF (GCWW)	
									1	1			SPECIAL	63820764	1	EACH	FIRE HYDRANT SERVICE LINE SHORTENED AND ADJUSTED TO GRADE (GCWW)	

GENERAL SUMMARY

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
LZS

REVIEWER
KAM 03/03/25

PROJECT ID
122048

SHEET P.60 TOTAL P.421

HAM-IR 75-1.05

SHEET NUM.										PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
OFFICE CALCS	P.12		P.69	P.203	P.205	P.206	P.207	P.365	P.421A	01/IMS	02/IMS	03/IMS						
																	ITS	
									233	233			625	25400	233	FT	CONDUIT, 2", 725.04	P.421B
									2	2			625	30700	2	EACH	PULL BOX, 725.08, 18"	
									1	1			625	34001 6	1	EACH	POWER SERVICE, AS PER PLAN (ITS) 6 6	P.421B
																	OTHER UTILITIES	6
				1						1			611	99654	1	EACH	MANHOLE ADJUSTED TO GRADE(UTILITY)	
																	TRAFFIC CONTROL	
						113				113			621	00100	113	EACH	RPM	
			10							10			626	00102	10	EACH	BARRIER REFLECTOR, TYPE 1 (ONE-WAY)	
			8							8			626	00110	8	EACH	BARRIER REFLECTOR, TYPE 2 (ONE-WAY)	
							182.4			182.4			630	02100	182.4	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	
							53.4			53.4			630	03100	53.4	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
							112.4			112.4			630	06100	112.4	FT	GROUND MOUNTED SUPPORT, NO. 6 POST	
							9			9			630	08600	9	EACH	SIGN POST REFLECTOR	
							203.41			203.41			630	80100	203.41	SF	SIGN, FLAT SHEET	
							18			18			630	84900	18	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
							11			11			630	86002	11	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
							1			1			630	86010	1	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND REERECTION	
							1			1			630	87500	1	EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	
							1			1			630	97700	1	EACH	SIGNING, MISC.: GROUND MOUNTED SIGN SUPPORT, STEEL POLE (CINCINNATI)	
					0.01	0.73				0.74			644	00100	0.74	MILE	EDGE LINE, 4"	
					0.02	0.28				0.3			644	00200	0.3	MILE	LANE LINE, 4"	
					0.02	0.04				0.06			644	00300	0.06	MILE	CENTER LINE	
						1,389				1,389			644	00400	1,389	FT	CHANNELIZING LINE, 8"	
					18	47				65			644	00500	65	FT	STOP LINE	
					85					85			644	00620	85	FT	CROSSWALK LINE, 12"	
						130				130			644	00630	130	FT	CROSSWALK LINE, 24"	
						106				106			644	00720	106	FT	CHEVRON MARKING	
						10				10			644	01300	10	EACH	LANE ARROW	
					5					5			644	01500	5	FT	DOTTED LINE, 4" WHITE (2FT LONG, 6FT GAP)	
						137				137			644	01510	137	FT	DOTTED LINE, 6" WHITE (3FT LONG, 9FT GAP)	
	300									300			644	30000	300	FT	REMOVAL OF PAVEMENT MARKING	
	5									5			644	30020	5	EACH	REMOVAL OF PAVEMENT MARKING	
	0.45									0.45			644	30030	0.45	MILE	REMOVAL OF PAVEMENT MARKING	
					0.21	0.09				0.3			646	10000	0.3	MILE	EDGE LINE, 4"	
					0.04					0.04			646	10010	0.04	MILE	EDGE LINE, 6"	
					0.1					0.1			646	10100	0.1	MILE	LANE LINE, 4"	
					0.05	0.02				0.07			646	10200	0.07	MILE	CENTER LINE	
					1,595					1,595			646	10300	1,595	FT	CHANNELIZING LINE, 8"	
					75					75			646	10400	75	FT	STOP LINE	
					357					357			646	10510	357	FT	CROSSWALK LINE, 12"	
					60	65				125			646	10600	125	FT	TRANSVERSE/DIAGONAL LINE (YELLOW)	
					255					255			646	10600	255	FT	TRANSVERSE/DIAGONAL LINE (WHITE)	
					277					277			646	10620	277	FT	CHEVRON MARKING	
					11	1				12			646	20300	12	EACH	LANE ARROW	
					237					237			646	20502	237	FT	DOTTED LINE, 4" WHITE (2FT LONG, 6FT GAP)	
																	LANDSCAPING	
								1		1			SPECIAL	68043100	1	EACH	COMPLETE IRRIGATION SYSTEM (LINN STREET BRIDGE)	P.365

GENERAL SUMMARY

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
LZS

REVIEWER
KAM 03/03/25

PROJECT ID
122048

SHEET P.62 TOTAL P.421

HAM-IR 75-1.05

SHEET NUM.										PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
OFFICE CALCS					P.250		P.333			01/IMS	02/IMS	03/IMS						
																	STRUCTURE OVER 20 FOOT SPAN (HAM-75-0104) (SFN 3109098) (CONTINUED)	
					728						728		SPECIAL	53013000	728	SF	FORM LINER: STRUCTURES: SCREEN WALLS	P.248A
					LS						LS		SPECIAL	53014000	LS		STRUCTURAL SURVEY AND MONITORING OF VIBRATION	P.246
					69						69		601	21001	69	SY	CONCRETE SLOPE PROTECTION, AS PER PLAN	P.262
					500						500		605	13301	500	FT	6" UNCLASSIFIED PIPE UNDERDRAINS, AS PER PLAN	P.246
					20						20		605	98300	20	EACH	UNDERDRAINS, MISC.: CLEANOUT	P.314
					4						4		605	98300	4	EACH	UNDERDRAINS, MISC.: DRAINAGE OUTLET AT ABUTMENT	P.314
					2						2		605	98300	2	EACH	UNDERDRAINS, MISC.: DRAINAGE OUTLET AT PIER 1	P.314
					384						384		608	40001	384	FT	CONCRETE STEPS, TYPE A, AS PER PLAN	P.267
					284						284		659	00301	284	CY	TOPSOIL, AS PER PLAN	P.248
					21						21		661	00500	21	CY	MULCH	
					2						2		SPECIAL	69098000	2	EACH	BRIDGE PILASTER LETTERS	P.248
					2						2		SPECIAL	69098000	2	EACH	BRIDGE PILASTER STORY PANELS	P.248A
					48						48		SPECIAL	69098000	48	EACH	PLANTER POTS	P.247
					6,010						6,010		840	20000	6,010	SF	MECHANICALLY STABILIZED EARTH WALL	
					3,033						3,033		840	21000	3,033	CY	WALL EXCAVATION	
					717						717		840	22000	717	SY	FOUNDATION PREPARATION	
					3,283						3,283		840	23000	3,283	CY	SELECT GRANULAR BACKFILL	
					665						665		840	25010	665	FT	6" DRAINAGE PIPE, PERFORATED	
					60						60		840	25020	60	FT	6" DRAINAGE PIPE, NON-PERFORATED	
					420						420		840	26000	420	FT	CONCRETE COPING	
					2,812						2,812		840	26050	2,812	SF	AESTHETIC SURFACE TREATMENT	P.245
					5						5		840	27000	5	DAY	ON-SITE ASSISTANCE	
					LS						LS		840	28000	LS		SGB INSPECTION AND COMPACTION TESTING	
																	STRUCTURE OVER 20 FOOT SPAN (HAM-75-0123E) (SFN 3109152)	
							LS					LS	202	11002	LS		STRUCTURE REMOVED, OVER 20 FOOT SPAN	
							LS				LS		503	11100	LS		COFFERDAMS AND EXCAVATION BRACING	
							LS				LS		503	21300	LS		UNCLASSIFIED EXCAVATION	
							LS				LS		505	11100	LS		PILE DRIVING EQUIPMENT MOBILIZATION	
							420				420		507	00501	420	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN, AS PER PLAN	P.332
							450				450		507	00550	450	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED	
							7,791	6			7,791	6	509	26000	7,791	6 LB	GALVANIZED STEEL REINFORCEMENT	
							16				16		511	31611	16	CY	CLASS QC2 CONCRETE, SUPERSTRUCTURE, AS PER PLAN	P.332
							10				10		511	34448	10	CY	CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)	
							41				41		511	43510	41	CY	CLASS QC1 CONCRETE, ABUTMENT INCLUDING FOOTING	
							477				477		512	10001	477	SY	SEALING OF CONCRETE SURFACES, AS PER PLAN	P.332
							6	6			6	6	512	33000	6	6 SY	TYPE 2 WATERPROOFING	
							3				3		515	12040	3	EACH	PRESTRESSED CONCRETE COMPOSITE BOX BEAM BRIDGE MEMBERS, LEVEL 1, CB21-36 (62'-9" Long)	
							33				33		516	13200	33	SF	1/2" PREFORMED EXPANSION JOINT FILLER	
							32				32		516	13600	32	SF	1" PREFORMED EXPANSION JOINT FILLER	
							23				23		516	13900	23	SF	2" PREFORMED EXPANSION JOINT FILLER	
							28				28		516	14020	28	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	
							26				26		516	31010	26	FT	2" DEEP JOINT SEALER	
							12				12		516	43100	12	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES ONLY (NEOPRENE) (8.5"x8"x1.564")	
							166				166		517	76300	166	FT	RAILING, MISC.: PEDESTRIAN ADA COMPLIANT RAILING	P.332
							4				4		518	21200	4	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
							23				23		518	40000	23	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	P.336
							130				130		518	40011	130	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN	P.332
							1				1		523	20000	1	EACH	DYNAMIC LOAD TESTING	
							6				6		601	21000	6	SY	CONCRETE SLOPE PROTECTION	
							131				131		607	39911	131	FT	VANDAL PROTECTION FENCE, 8' STRAIGHT, COATED FABRIC, AS PER PLAN	P.332
							131				131		SPECIAL	60740000	131	FT	VANDAL PROTECTION FENCE, 12' STRAIGHT, COATED FABRIC	P.332
							1,354	6			1,354	6	608	13000	1,354	6 SF	6" CONCRETE WALK	
							470				470		608	98000	470	SF	WALKWAY, MISC.: 10" CONCRETE WALK	P.337
							1				1		625	33000	1	EACH	STRUCTURE GROUNDING SYSTEM	
							3,461				3,461		840	20000	3,461	SF	MECHANICALLY STABILIZED EARTH WALL	
							688	6			688	6	840	21000	688	6 CY	WALL EXCAVATION	
							220				220		840	22001	220	SY	FOUNDATION PREPARATION, AS PER PLAN	P.332
							752				752		840	23000	752	CY	SELECT GRANULAR BACKFILL	
							122	6			122	6	840	23001	122	6 CY	SELECT GRANULAR BACKFILL, AS PER PLAN	P.332

GENERAL SUMMARY

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER: LZS

REVIEWER: KAM 03/03/25

PROJECT ID: 122048

SHEET: P.65 TOTAL: P.421

HAM-IR 75-1.05

SHEET NUM.												PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
OFFICE CALCS	P.13	P.15	P.16	P.17	P.18	P.19	P.20	P.21	P.22	P.23	P.333	01/IMS	02/IMS	03/IMS						
																			STRUCTURE OVER 20 FOOT SPAN (HAM-75-0123E) (SFN 3109152) (CONTINUED)	
											297	6	297	6	840	25010	297	FT	6" DRAINAGE PIPE, PERFORATED	
											29		29		840	25020	29	FT	6" DRAINAGE PIPE, NON-PERFORATED	
											288		288		840	26000	288	FT	CONCRETE COPING	
											3,461	6	3,461	6	840	26050	3,461	SF	AESTHETIC SURFACE TREATMENT	
											5		5		840	27000	5	DAY	ON-SITE ASSISTANCE	
											LS		LS		840	28000	LS		SGB INSPECTION AND COMPACTION TESTING	
																			MAINTENANCE OF TRAFFIC	
						600						600			253	02001	600	CY	PAVEMENT REPAIR, AS PER PLAN, PERFORMED IN 2026	P.17
						600						600			253	02001	600	CY	PAVEMENT REPAIR, AS PER PLAN, PERFORMED IN 2027	P.17
						200						200			253	02001	200	CY	PAVEMENT REPAIR, AS PER PLAN, PERFORMED IN 2028	P.17
	535											535			504	11101	535	SF	STEEL SHEET PILING LEFT IN PLACE, AS PER PLAN	P.13
									360			360			607	39994	360	FT	TEMPORARY VANDAL FENCE, TYPE B	
					1,500							1,500			614	11110	1,500	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
								2,270		150		2,420			614	11630	2,420	FT	INCREASED BARRIER DELINEATION	
								5	1	1		7			614	12380	7	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	
			6									6			614	12410	6	EACH	SPEED ZONE AHEAD SYMBOL SIGN	
												LS			614	12420	LS		DETOUR SIGNING	
			12									12			614	12470	12	EACH	WORK ZONE SPEED LIMIT SIGN	
			7									7			614	12484	7	EACH	WORK ZONE INCREASED PENALTIES SIGN	
						10						10			614	12500	10	EACH	REPLACEMENT SIGN	
						100						100			614	12600	100	EACH	REPLACEMENT DRUM	
								1,594				1,594			614	12801	1,594	EACH	WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	P.15
								44	13	3		60			614	13310	60	EACH	BARRIER REFLECTOR, TYPE 1, 1-WAY	
									9			9			614	13310	9	EACH	BARRIER REFLECTOR, TYPE 1, 2-WAY	
								44	13	3		60			614	13350	60	EACH	OBJECT MARKER, ONE WAY	
									9			9			614	13360	9	EACH	OBJECT MARKER, TWO WAY	
						1,400						1,400			614	18030	1,400	FT	MAINTAINING TRAFFIC, MISC.:, RUMBLE STRIP MILLED/FILLED	P.17
				90								90			614	18601	90	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	P.15
										2		2			614	20056	2	MILE	WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT	
								2.74		0.8		3.54			614	22056	3.54	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT	
									1.42	0.12		1.54			614	22110	1.54	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	
		1.4										1.4			614	22336	1.4	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 648	
								18,622		126		18,748			614	23110	18,748	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT	
									2,126			2,126			614	23210	2,126	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 642 PAINT	
		9,300										9,300			614	23150	9,300	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 648	
								1,925		902		2,827			614	24102	2,827	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 807 PAINT	
		690										690			614	24142	690	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 648	
									623	403		1,026			614	24202	1,026	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT	
								507				507			614	25000	507	FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I	
								4	14			18			614	30200	18	EACH	WORK ZONE ARROW, CLASS I, 642 PAINT	
												LS			615	10000	LS		ROADS FOR MAINTAINING TRAFFIC	
										537		537			615	20000	537	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	
		8										8			616	10000	8	MGAL	WATER	
								1,820	650			2,470			622	41100	2,470	FT	PORTABLE BARRIER, UNANCHORED	
										250		250			622	41101	250	FT	PORTABLE BARRIER, UNANCHORED, AS PER PLAN	P.19
								450	450	150		1,050			622	41110	1,050	FT	PORTABLE BARRIER, ANCHORED	
				12								12			829	00100	12	SNMT	WORK ZONE EGRESS WARNING SYSTEM	
				84								84			896	00010	84	SNMT	PORTABLE NON-INTRUSIVE TRAFFIC SENSOR, CLASS I	
				12								12			896	00021	12	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	P.15
																			INCIDENTALS	
LS												LS			108	XXXXX	LS		CPM PROGRESS SCHEDULE, AS PER PLAN	P.13A
LS												LS			614	11000	LS		MAINTAINING TRAFFIC	
1												1			619	XXXXX	1	MNTH	FIELD OFFICE, AS PER PLAN	P.13A
LS												LS			623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
LS												LS			624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER: LZS

REVIEWER: KAM 03/03/25

PROJECT ID: 122048

SHEET P.66 TOTAL P.344

HAM-IR 75-1.05

PAVEMENT CALCULATIONS

ALIGNMENT	STATION TO STATION		SIDE	LENGTH (L)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=LxW	CADD AREA	204 EXCAVATION OF SUBGRADE 12"	204 GRANULAR MATERIAL, TYPE C 12"	204 PROOF ROLLING	204 GEOTEXTILE FABRIC	206 CEMENT	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	206 DIAMOND GRINDING PORTLAND CEMENT CONCRETE PAVEMENT	302 ASPHALT CONCRETE BASE, PG64-22, (449) 5"	302 ASPHALT CONCRETE BASE, PG64-22, (449) 8.5"	304 AGGREGATE BASE 6"	407 NON-TRACKING TACK COAT(0.055 GAL/SY)	442 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448) 1.5" 6	442 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448) 2"	442 ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE B (448) 1.75" 6	452 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA 10"	609 CONCRETE MEDIAN
				FT	FT	SQ FT	SQ FT	CY	CY	HOUR	SY	TON	SY	SY	SY	CY	CY	CY	GAL	CY	CY	CY	SY	SF
CLP_COURT	5+50.00	7+81.59	LT/RT	231.59	36.00	8337.24										129			102		51	45		
					40.17	9302.97		345	345	0.52	1034													
CLP_COURT	7+81.59	8+74.08	LT/RT				2596.39									40			32		16	14		
							2983.10	110	110	0.17	331													
CLP_COURT	8+74.08	10+22.08	LT/RT	148.00	20.00	2960.00										46			36		18	16		
					24.17	3577.16		132	132	0.20	397													
CLP_COURT	10+22.08	11+71.05	LT/RT				11483.85									177			140		71	62		
							12464.31	462	462	0.69	1385													
CLP_LINN	95+54.94	102+03.21	RT				34376.10								3820									
CLP_LINN	103+03.76	104+92.58	LT/RT				15448.77								1717									
CLP_LINN	104+92.58	105+27.00	LT/RT				2458.54												30		15			
CLP_LINN	105+27.00	105+51.32	LT/RT	24.32	34.00	826.88																	92	
					38.74	942.25		35	35	0.05	105													
							109.78																	110
CLP_LINN	109+98.74	110+14.08	LT/RT	15.34	34.00	521.56										8			6		3	3		
					38.23	586.37		22	22	0.03	65													
CLP_LINN	109+98.74	110+18.50	LT/RT				166.14																	166
CLP_LINN	110+14.08	111+01.48	LT	87.4	17.00	1485.80										23			18		9	8		
					19.08	1667.59		62	62	0.09	185													
CLP_LINN	110+14.08	110+63.89	RT	49.81	22.50	1120.72										17			14		7	6		
					26.67	1328.43		49	49	0.07	148													
CLP_LINN	110+63.89	111+27.73	RT	63.84	28.00	1787.52										28			22		11	10		
					30.08	1920.31		71	71	0.11	213													
CLP_LINN	111+01.48	111+58.38	LT				1604.61									25			20		10	9		
							1726.39	64	64	0.10	192													
CLP_LINN	111+27.73	111+58.38	RT				1392.84									21			17		9	8		
							1528.53	57	57	0.08	170													
SUBTOTALS CARRIED TO SHEET P.74								1409	1409	2	4225	0	0	0	5537	514	0	0	437	0	220	181	92	276

DESIGN AGENCY: MICHIGAN STRUCTUREPOINT INC.

DESIGNER: LZS

REVIEWER: KAM 03/03/25

PROJECT ID: 122048

SHEET: P.73 TOTAL: P.421

HAM-IR 75-1.05

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 9/29/2025 TIME: 2:04:59 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen_Addendum.tbl USER: WORKSPACE: OHDOTCEv02 WORKSET: 122048 PRODUCT: OpenRoadsDesigner 10.12.02.4
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Hamilton\122048\403-Engineering_StructurePoint\Roadway\Sheets\122048_GC301.dgn

ALIGNMENT	STATION TO STATION		SIDE	LENGTH (L)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=LxW	CADD AREA	204 EXCAVATION OF SUBGRADE	204 GRANULAR MATERIAL, TYPE C	204 PROOF ROLLING	204 GEOTEXTILE FABRIC	206 CEMENT	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	206 DIAMOND GRINDING PORTLAND CEMENT CONCRETE PAVEMENT	302 ASPHALT CONCRETE BASE, PG64-22, (449)	302 ASPHALT CONCRETE BASE, PG64-22, (449)	304 AGGREGATE BASE	407 NON-TRACKING TACK COAT(0.055 GAL/SY)	442 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448)	442 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448)	442 ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE B (448)	452 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA	609 CONCRETE MEDIAN
								12"	12"							5"	8.5"	6"		1.5" 6	2"	1.75" 6	10"	
				FT	FT	SQ FT	SQ FT	CY	CY	HOUR	SY	TON	SY	SY	SY	CY	CY	CY	GAL	CY	CY	CY	SY	SF
CLP_WINCHELL	758+50.00	760+75.83	LT	225.83	15.00	3387.45													21	16				
					18.00	4064.94											107		25			22		
					21.08	4761.17				0.26		16	529	529				88						
CLP_WINCHELL	760+75.83	765+30.89	LT	455.06	11.00	5005.66													61	23		27		
					14.08	6407.24				0.36		21	712	712			168	119						
CLP_RAMP V	58+53.69	59+89.23	LT/RT	135.54	16.22	2198.46				0.12		7	244	244			58	41	27	10		12		
CLP_RAMP V	59+89.23	60+84.36	LT	95.13	18.00	1712.34				0.10		6	190	190			45	32	21	8		9		
CLP_RAMP V	59+89.23	61+90.07	LT				1478.85			0.08		5	164	164			39	27	18	7		8		
CLP_RAMP V	60+84.36	61+90.07	LT	105.71	12.00	1268.52				0.07		4	141	141			33	23	16	6		7		
CLP_RAMP V	60+84.36	65+45.91	RT				3091.08			0.17		10	343	343			81	57	38	14		17		
CLP_RAMP V	61+90.07	65+45.91	LT	355.84	16.00	5693.44													70	26		31		
					18.08	6433.59				0.36		22	715	715			169	119						
CLP_RAMP V	65+45.91	66+92.54	LT/RT	146.63	27.00	3959.01													48	18		21		
					32.17	4717.09				0.26		16	524	524			124	87						
CLP_RAMP V	66+92.54	69+41.24	LT/RT	248.70	27.00	6714.90													82	31		36		
					31.58	7854.69				0.44		26	873	873			206	145						
CLP_RAMP V	66+92.54	69+41.24	LT				5032.38										132	93	62	23		27		
CLP_RAMP V	69+41.24	71+79.82	LT/RT	238.58	51.00	12167.58													149	56		66		
					56.17	13400.08				0.74		45	1489	1489			352	248						
CLP_RAMP V	71+79.82	72+80.00	LT/RT	100.18	49.00	4908.82													60	23		27		
					54.17	5426.75				0.30		18	603	603			142	100						
CLP_RAMP V	72+80.00	73+00.00	LT			732.74				0.04		2	81	81			19	14	9	3		4		
CLP_RAMP V	72+80.00	73+00.00	RT			318.02				0.02		1	35	35			8	6	4	1		2		
SUBTOTALS FROM THIS SHEET								0	0	3	0	199	6643	6643	0	0	1683	1199	711	265	0	316	0	0
SUBTOTALS CARRIED FROM SHEET P.73								1409	1409	2	4225	0	0	0	5537	514	0	0	437	0	220 6	181	92	276
TOTALS CARRIED TO GENERAL SUMMARY								1409	1409	5	4225	199	6643	6643	5537	2197		1199	1148	485		497	92	276

PAVEMENT CALCULATIONS

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
LZS

REVIEWER
KAM 03/03/25

PROJECT ID
122048

SHEET P.74 TOTAL P.421

HAM-IR 75-1.05

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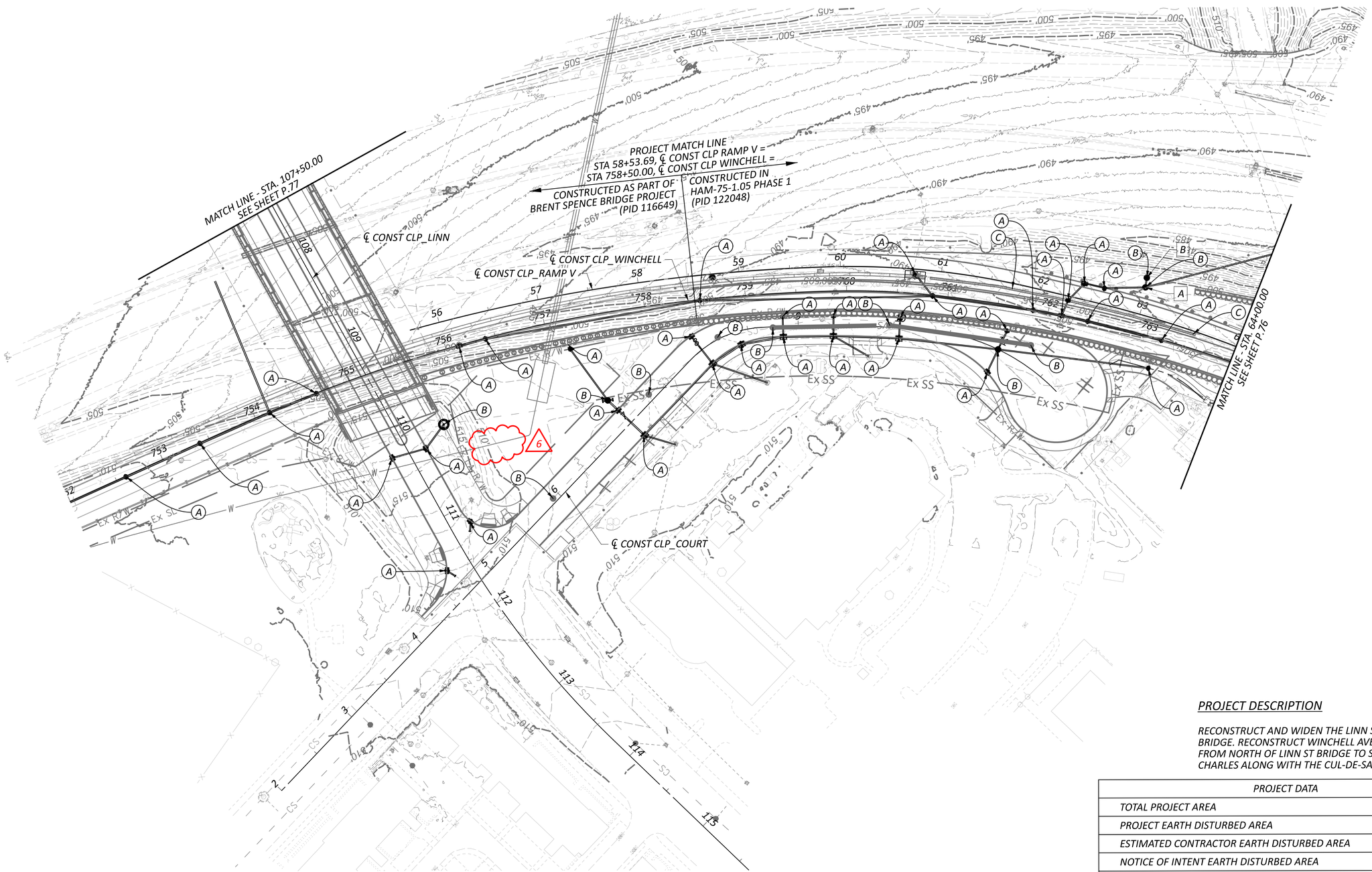

HORIZONTAL SCALE IN FEET
0 25 50 100

PROJECT SITE PLAN

PROJECT DESCRIPTION

RECONSTRUCT AND WIDEN THE LINN ST OVERPASS BRIDGE. RECONSTRUCT WINCHELL AVE AND RAMP V FROM NORTH OF LINN ST BRIDGE TO SOUTH OF EZZARD CHARLES ALONG WITH THE CUL-DE-SAC WEST COURT ST.

PROJECT DATA	
TOTAL PROJECT AREA	8.78 ACRES
PROJECT EARTH DISTURBED AREA	6.66 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA	1.00 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA	7.66 ACRES
IMPERVIOUS (PAVED) AREA FOR PRE-CONSTRUCTION SITE	5.19 ACRES
IMPERVIOUS (PAVED) AREA FOR POST-CONSTRUCTION SITE	6.53 ACRES
RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION SITE	0.74
RUNOFF COEFFICIENT FOR POST-CONSTRUCTION SITE	0.81
IMMEDIATE RECEIVING WATER:	MILL CREEK
SUBSEQUENT RECEIVING WATERS:	OHIO RIVER
POST CONSTRUCTION BMP:	BMP NOT REQUIRED, ALL DRAINAGE FLOWS TO COMBINED SEWER

LEGEND

(A) PROP CATCH BASINS:
COMBINATION INLET (CI), DITCH INLET (DI),
DOUBLE GUTTER INLET MH (DGIMH),
CB-2-2B, CB-3, CB-3A, CB-6, I-3C

(B) PROP MANHOLE:
MH-3, STANDARD MANHOLE, TYPE B

(C) PROP TRENCH DRAIN

NOTES

[A] PROVIDE TEMPORARY BLOCKAGE UNTIL FUTURE CONNECTIONS

[B] MANHOLE PROVIDED FOR FUTURE CONNECTION

USGS MAP:

LATITUDE: N 39° 06' 34"
LONGITUDE: W 84° 31' 54"

* LONGITUDE AND LATITUDE TO APPROXIMATE CENTER OF PROJECT

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
LZS

REVIEWER
KAM 03/03/25

PROJECT ID
122048

SHEET P.75 TOTAL P.421

HAM-IR 75-1.05

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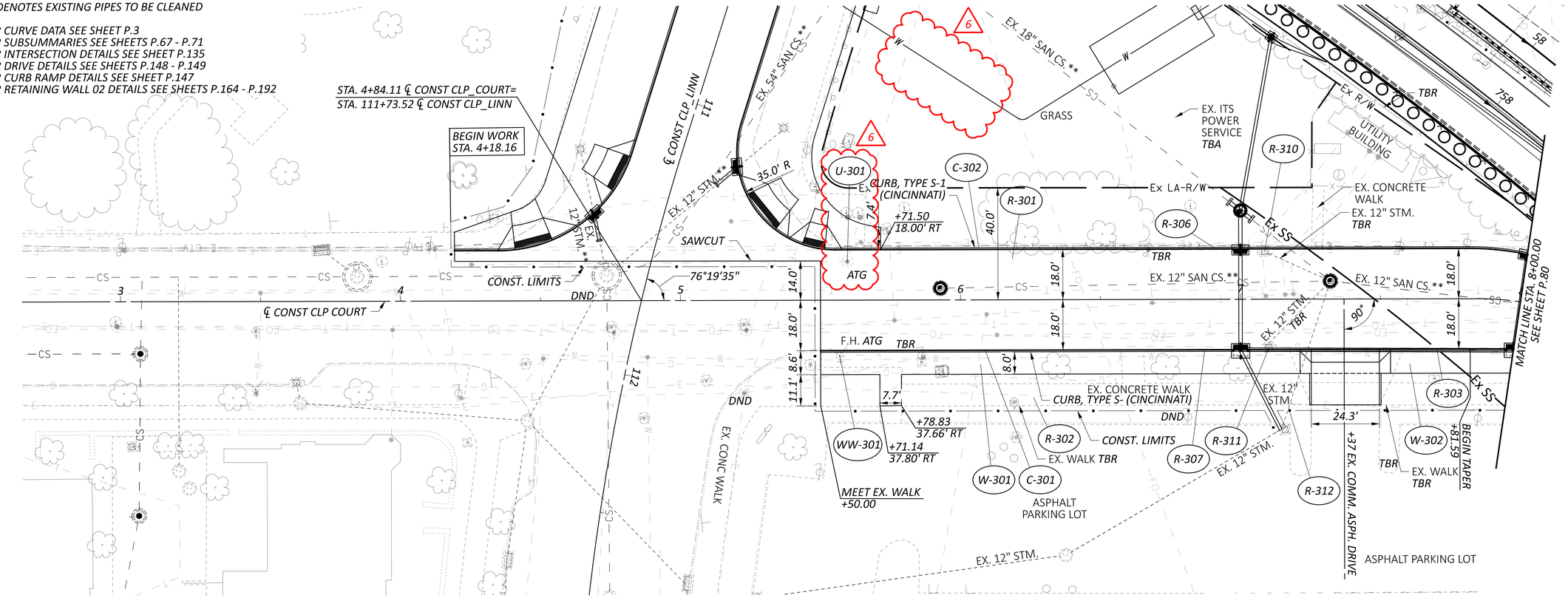
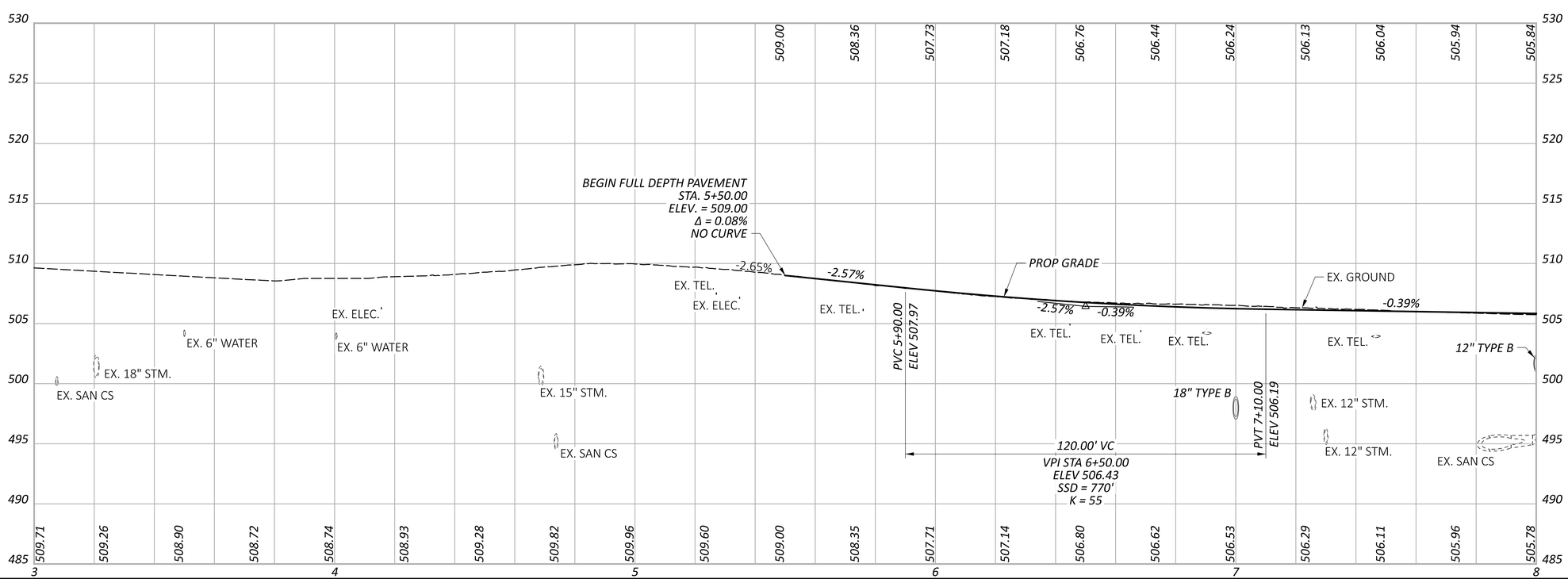
NOTE:
** DENOTES EXISTING PIPES TO BE CLEANED

FOR CURVE DATA SEE SHEET P.3
FOR SUBSUMMARIES SEE SHEETS P.67 - P.71
FOR INTERSECTION DETAILS SEE SHEET P.135
FOR DRIVE DETAILS SEE SHEETS P.148 - P.149
FOR CURB RAMP DETAILS SEE SHEET P.147
FOR RETAINING WALL 02 DETAILS SEE SHEETS P.164 - P.192





HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - COURT ST
STA. 3+00.00 TO STA. 8+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
LZS

REVIEWER
KAM 03/03/25

PROJECT ID
122048

SHEET P.78 TOTAL P.421

HAM-IR 75-1.05

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 9/29/2025 TIME: 2:06:07 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen_Addendum.tbl USER: WORKSPACE: OHDOTCEv02 WORKSET: 122048 PRODUCT: OpenRoadsDesigner 10.12.02.4
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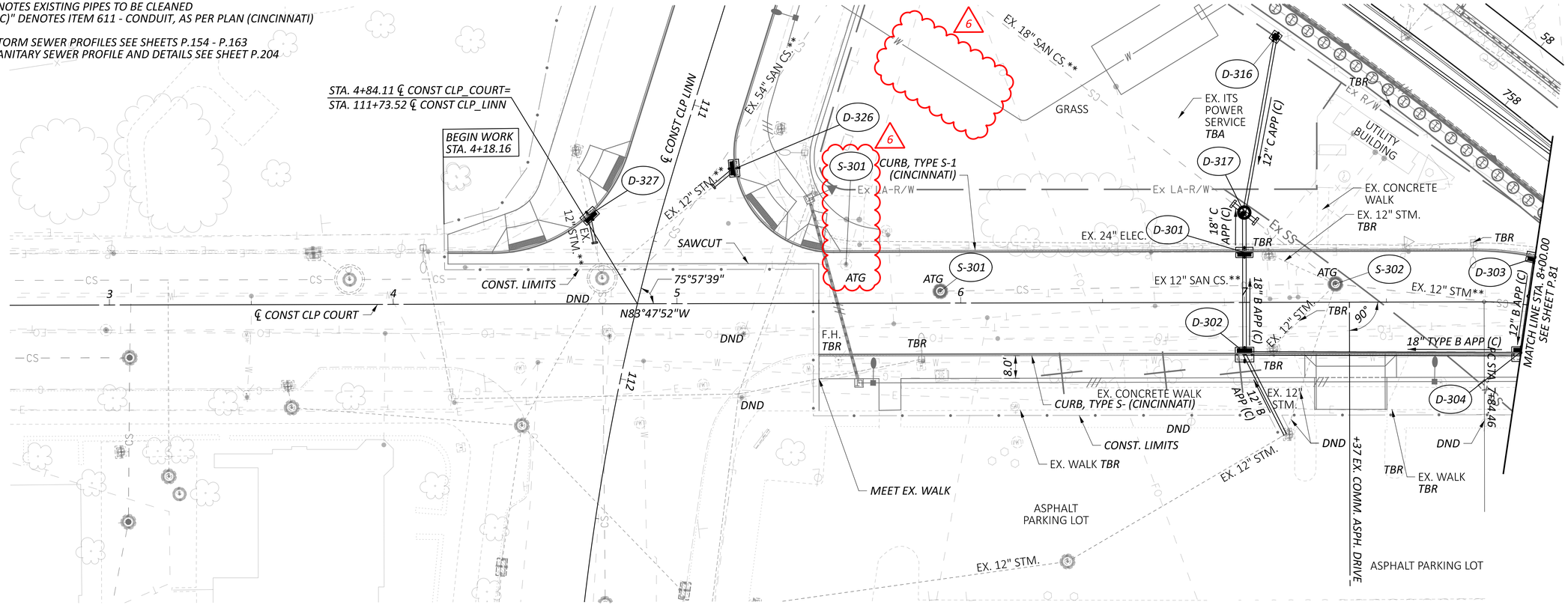
NOTE:
** DENOTES EXISTING PIPES TO BE CLEANED
"APP (C)" DENOTES ITEM 611 - CONDUIT, AS PER PLAN (CINCINNATI)

FOR STORM SEWER PROFILES SEE SHEETS P.154 - P.163
FOR SANITARY SEWER PROFILE AND DETAILS SEE SHEET P.204



HORIZONTAL
SCALE IN FEET
0 10 20 40

DRAINAGE PLAN - COURT ST
STA. 3+00.00 TO STA. 8+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
LZS

REVIEWER
KAM 03/03/25

PROJECT ID
122048

SHEET P.79 TOTAL P.421

HAM-IR 75-1.05

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 9/29/2025 TIME: 2:06:25 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen_Addendum.tbl USER: WORKSPACE: OHDOTCEv02 WORKSET: 122048 PRODUCT: OpenRoadsDesigner 10.12.02.4
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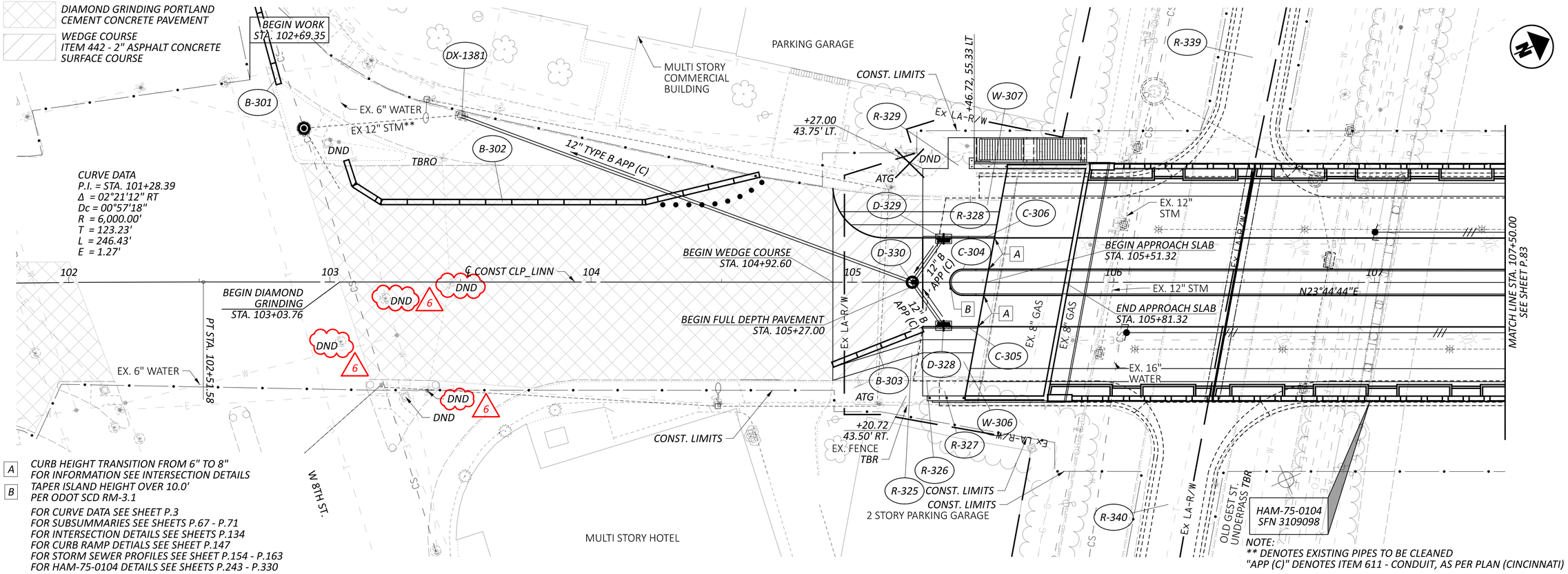
LEGEND

DIAMOND GRINDING PORTLAND CEMENT CONCRETE PAVEMENT

WEDGE COURSE
ITEM 442 - 2" ASPHALT CONCRETE SURFACE COURSE



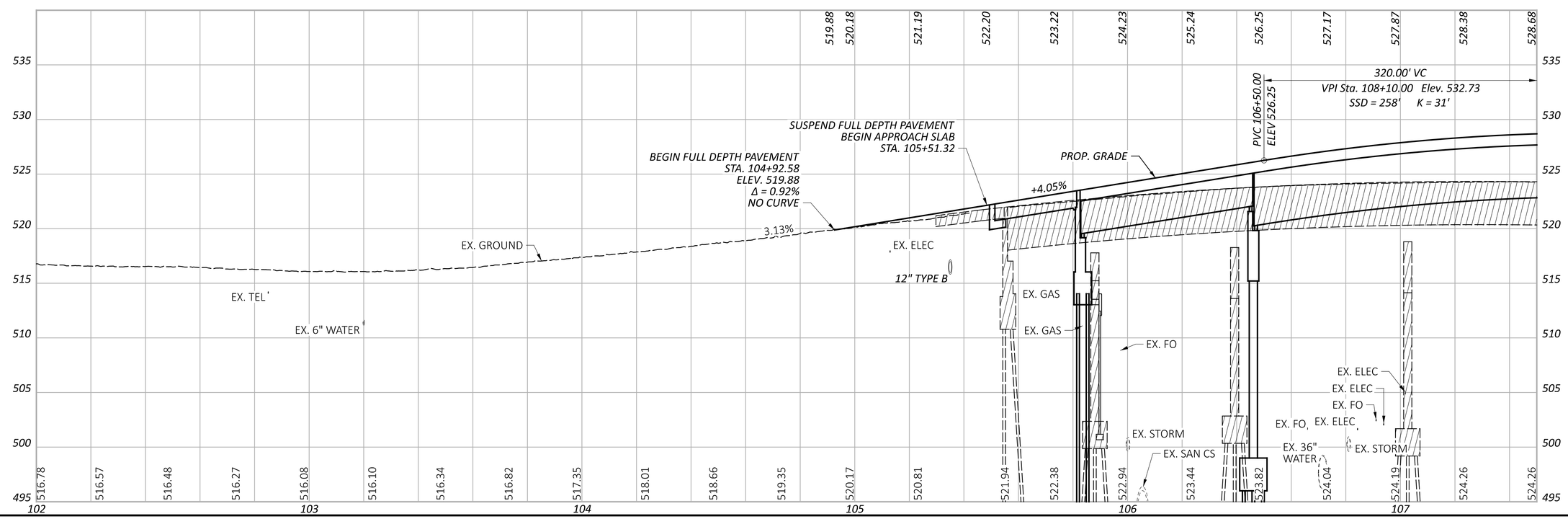
CURVE DATA
P.I. = STA. 101+28.39
Δ = 02°21'12" RT
Dc = 00°57'18"
R = 6,000.00'
T = 123.23'
L = 246.43'
E = 1.27'

A — CURB HEIGHT TRANSITION FROM 6" TO 8"
FOR INFORMATION SEE INTERSECTION DETAILS

B — TAPER ISLAND HEIGHT OVER 10.0'
PER ODOT SCD RM-3.1

FOR CURVE DATA SEE SHEET P.3
FOR SUBSUMMARIES SEE SHEETS P.67 - P.71
FOR INTERSECTION DETAILS SEE SHEETS P.134
FOR CURB RAMP DETIALS SEE SHEET P.147
FOR STORM SEWER PROFILES SEE SHEET P.154 - P.163
FOR HAM-75-0104 DETAILS SEE SHEETS P.243 - P.330

NOTE:
** DENOTES EXISTING PIPES TO BE CLEANED
"APP (C)" DENOTES ITEM 611 - CONDUIT, AS PER PLAN (CINCINNATI)



PLAN AND PROFILE - LINN ST
STA. 102+00.00 TO STA. 107+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
LZS

REVIEWER
KAM 03/03/25

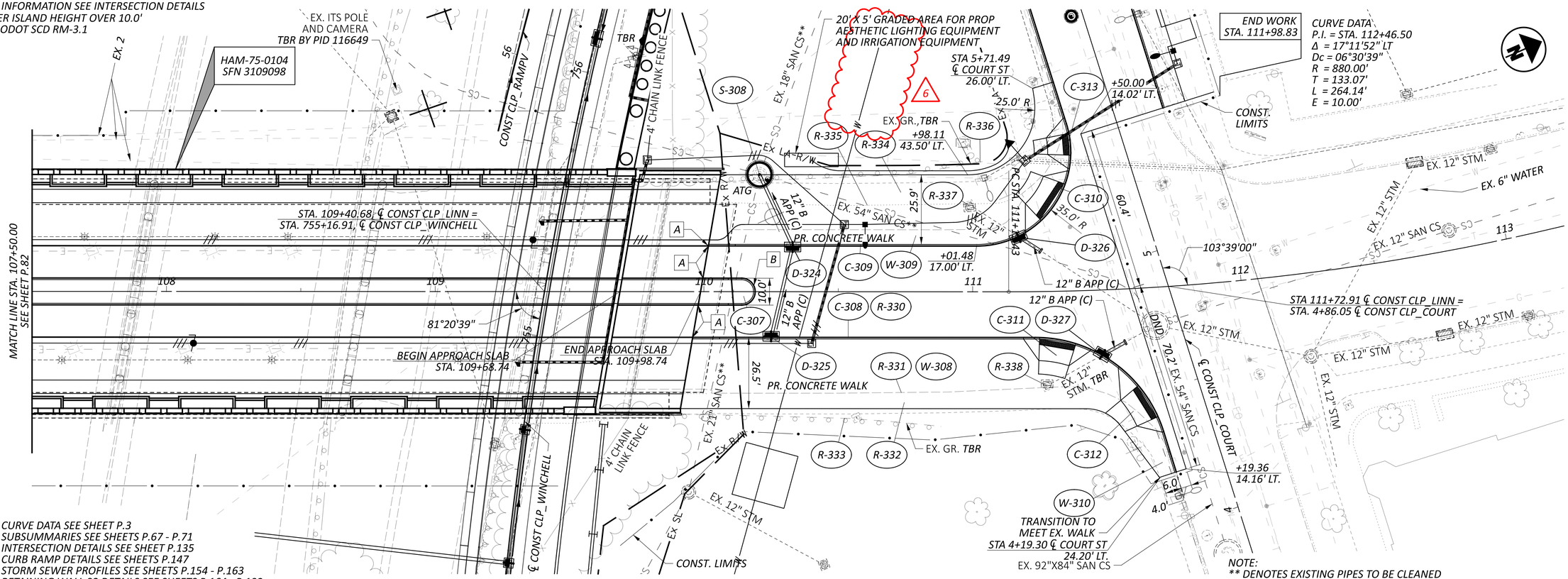
PROJECT ID
122048

SHEET P.82 TOTAL P.421

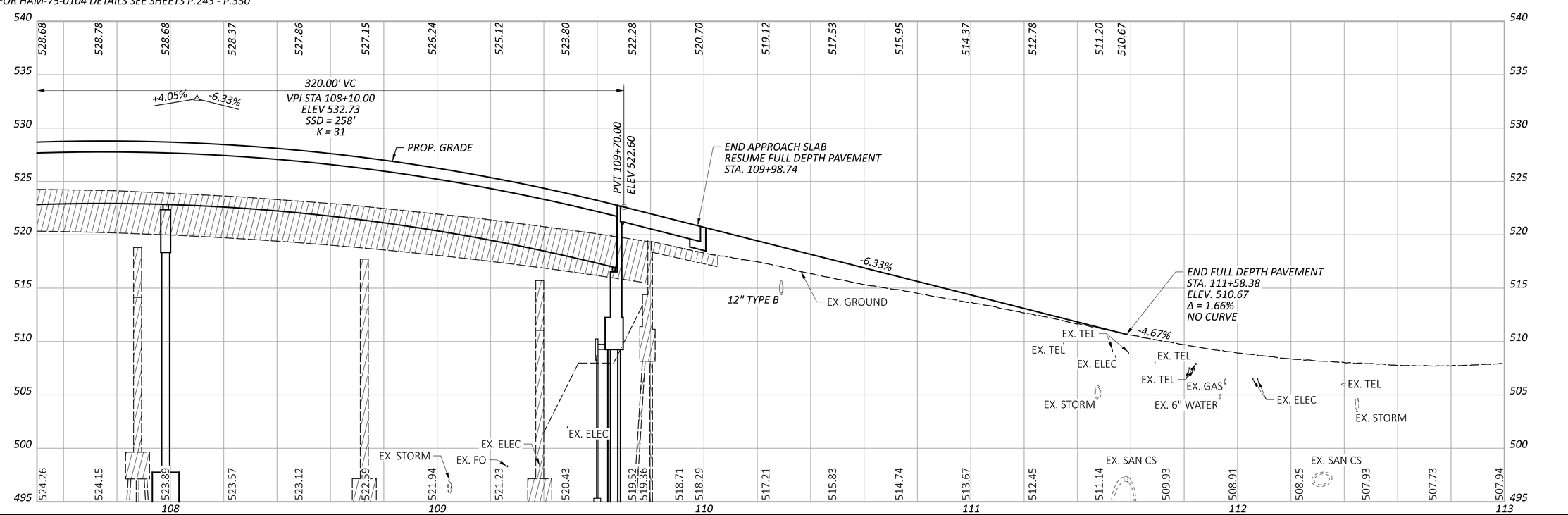
HAM-IR 75-1.05

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 9/29/2025 TIME: 2:07:23 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen_Addendum.tbl USER: WORKSPACE: OHDOTCEv02 WORKSET: 122048 PRODUCT: OpenRoadsDesigner 10.12.02.4
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Hamilton\122048\403-Engineering_StructurePoint\Roadway\Sheets\122048_GP351.dgn

A CURB HEIGHT TRANSITION FROM 6" TO 8"
FOR INFORMATION SEE INTERSECTION DETAILS
B TAPER ISLAND HEIGHT OVER 10.0'
PER ODOT SCD RM-3.1



FOR CURVE DATA SEE SHEET P.3
FOR SUBSUMMARIES SEE SHEETS P.67 - P.71
FOR INTERSECTION DETAILS SEE SHEET P.135
FOR CURB RAMP DETAILS SEE SHEETS P.147
FOR STORM SEWER PROFILES SEE SHEETS P.154 - P.163
FOR RETAINING WALL 02 DETAILS SEE SHEETS P.164 - P.192
FOR HAM-75-0104 DETAILS SEE SHEETS P.243 - P.330



HAM-IR 75-1.05

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 9/29/2025 TIME: 2:08:18 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen_Addendum.tbl USER: WORKSPACE: OHDOTCEv02 WORKSET: 122048 PRODUCT: OpenRoadsDesigner 10.12.02.4
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HORIZONTAL SCALE IN FEET 0 10 20 40

PLAN AND PROFILE - LINN ST
STA. 107+50.00 TO STA. 113+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

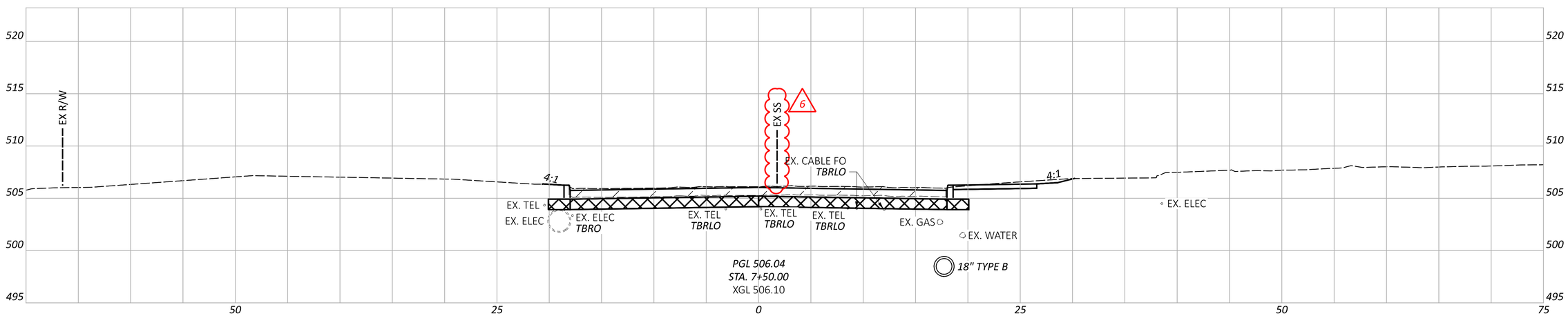
DESIGNER LZS
REVIEWER KAM 03/03/25
PROJECT ID 122048
SHEET P.83 TOTAL P.421

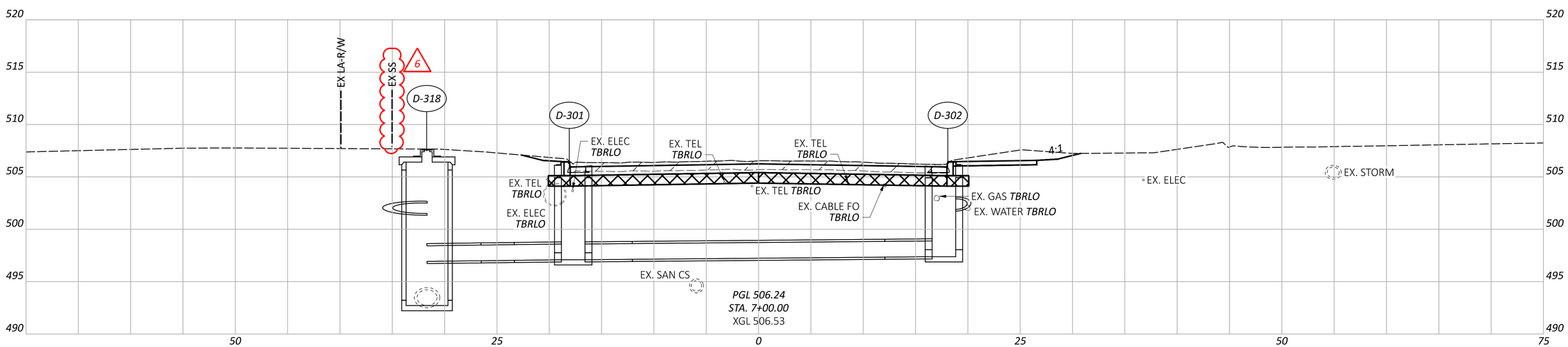
LEGEND

EXISTING PAVEMENT REMOVED

ITEM 204 - 12" GRANULAR MATERIAL, TYPE C

ITEM 206 - 14" CEMENT STABILIZED SUBGRADE





CROSS SECTIONS - COURT ST
STA. 7+00.00 TO STA. 7+50.00

DESIGN AGENCY
MIDWEST STRUCTUREPOINT INC.

DESIGNER
LZS

REVIEWER
KAM 03/03/25

PROJECT ID
122048

SHEET P.93 TOTAL P.421

HAM-IR 75-1.05

MODEL: COURT - XS003 PAPERSIZE: 34x22 (in.) DATE: 9/29/2025 TIME: 2:08:40 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen_Addendum.tbl USER: WORKSPACE: OHDOTCEv02 WORKSET: 122048 PRODUCT: OpenRoadsDesigner 10.12.02.4
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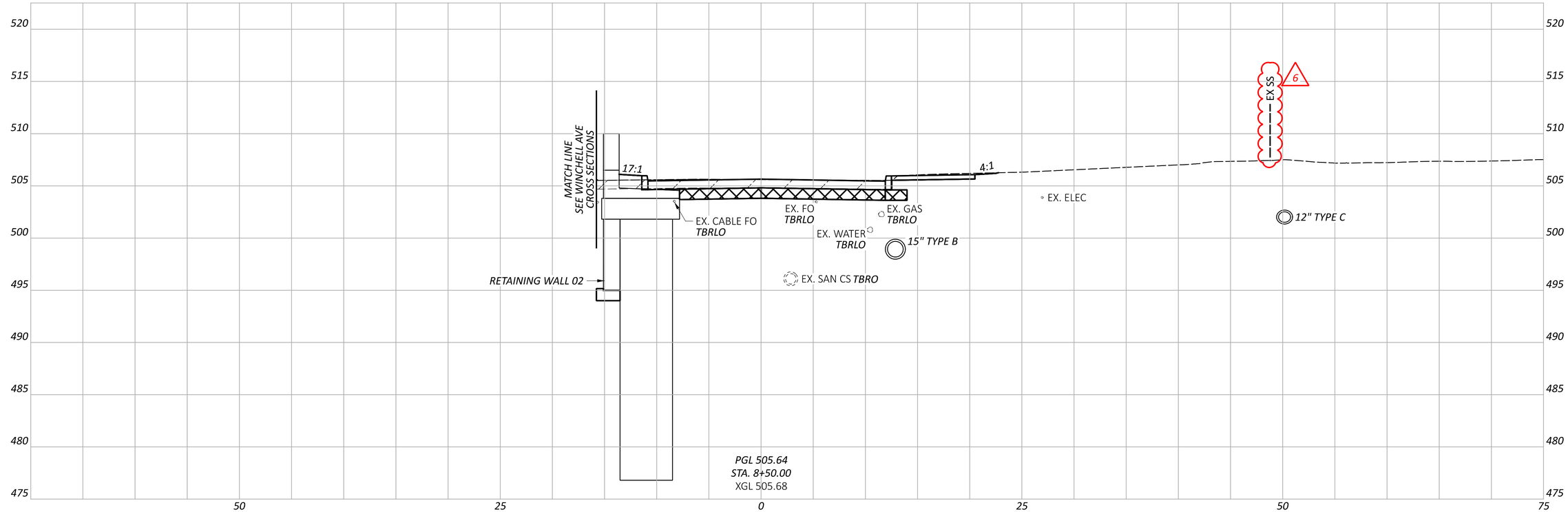
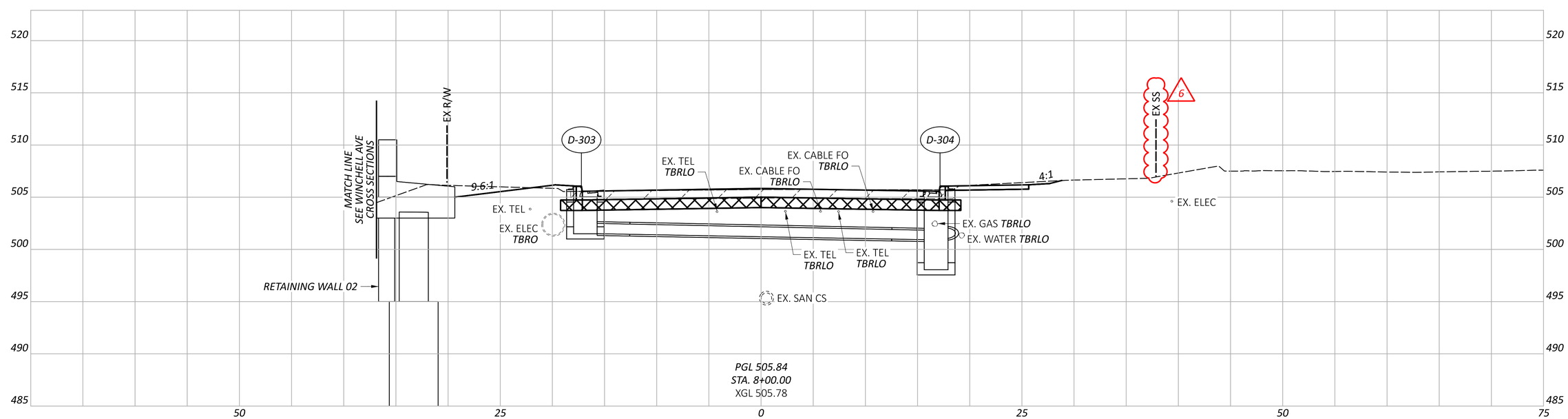
LEGEND

EXISTING PAVEMENT REMOVED

ITEM 204 - 12" GRANULAR MATERIAL, TYPE C

ITEM 206 - 14" CEMENT STABILIZED SUBGRADE





CROSS SECTIONS - COURT ST
STA. 8+00.00 TO STA. 8+50.00

HAM-IR 75-1.05

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DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
LZS

REVIEWER
KAM 03/03/25

PROJECT ID
122048

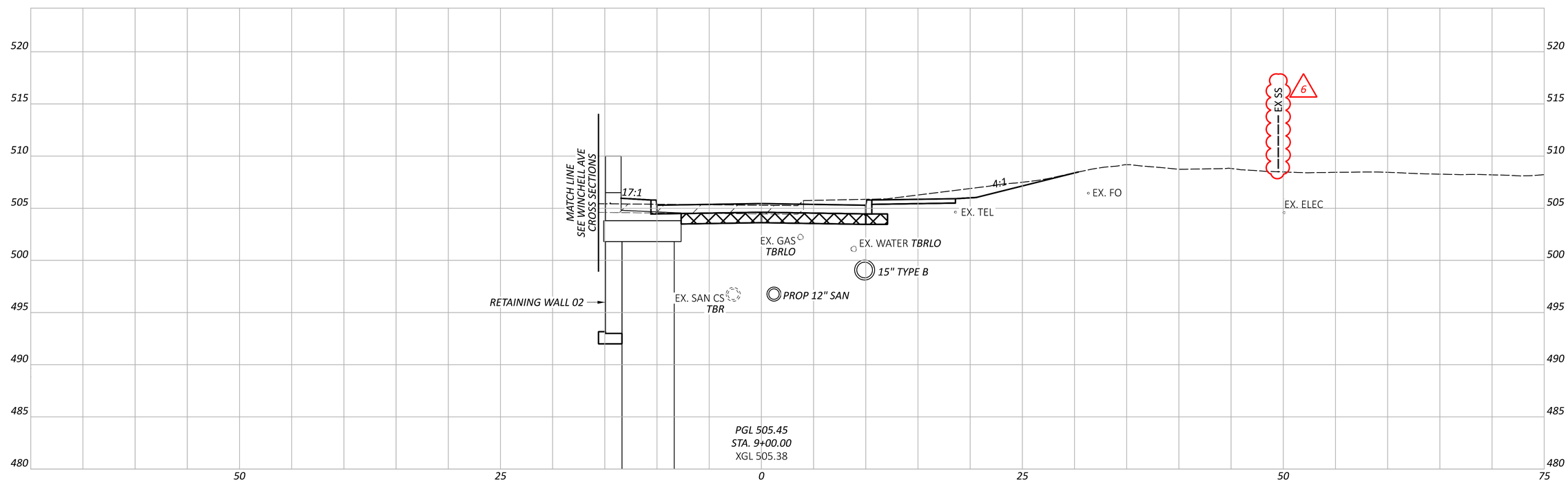
SHEET P.94 TOTAL P.421

LEGEND

EXISTING PAVEMENT REMOVED

ITEM 204 - 12" GRANULAR MATERIAL, TYPE C

ITEM 206 - 14" CEMENT STABILIZED SUBGRADE



CROSS SECTIONS - COURT ST
STA. 9+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
LZS

REVIEWER
KAM 03/03/25

PROJECT ID
122048

SHEET P.95 TOTAL P.421

HAM-IR 75-1.05

MODEL: COURT - XS005 PAPERSIZE: 34x22 (in.) DATE: 9/29/2025 TIME: 2:09:02 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen_Addendum.tbl USER: WORKSPACE: OHDOTCEv02 WORKSET: 122048 PRODUCT: OpenRoadsDesigner 10.12.02.4
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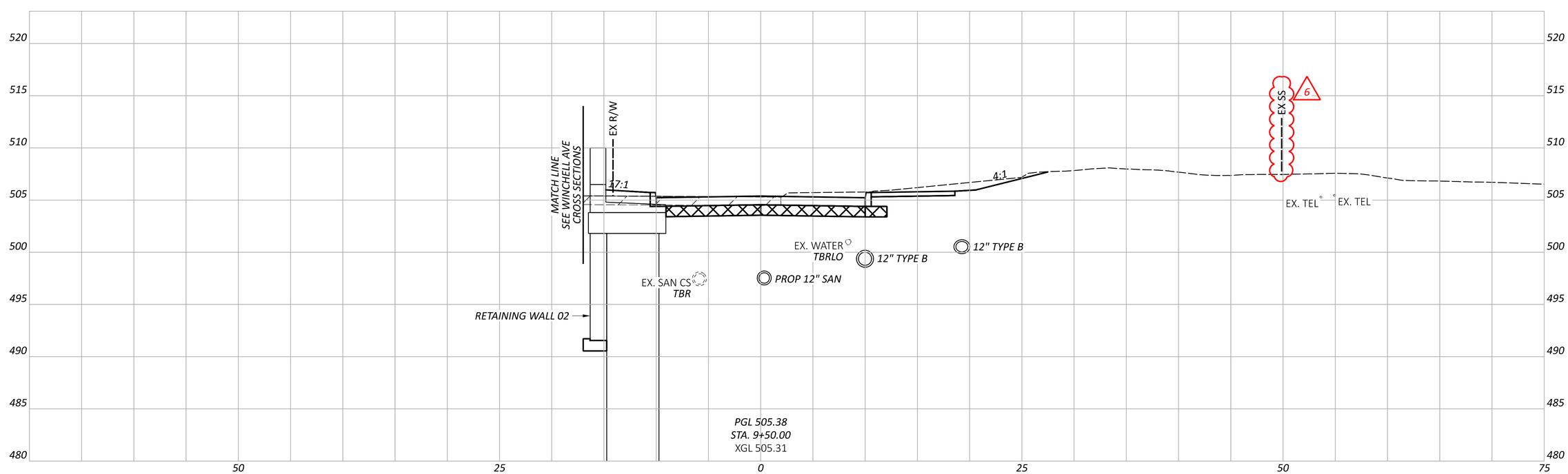
LEGEND

EXISTING PAVEMENT REMOVED

ITEM 204 - 12" GRANULAR MATERIAL, TYPE C

ITEM 206 - 14" CEMENT STABILIZED SUBGRADE



CROSS SECTIONS - COURT ST
STA. 9+50.00

HAM-IR 75-1.05

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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
LZS

REVIEWER
KAM 03/03/25

PROJECT ID
122048

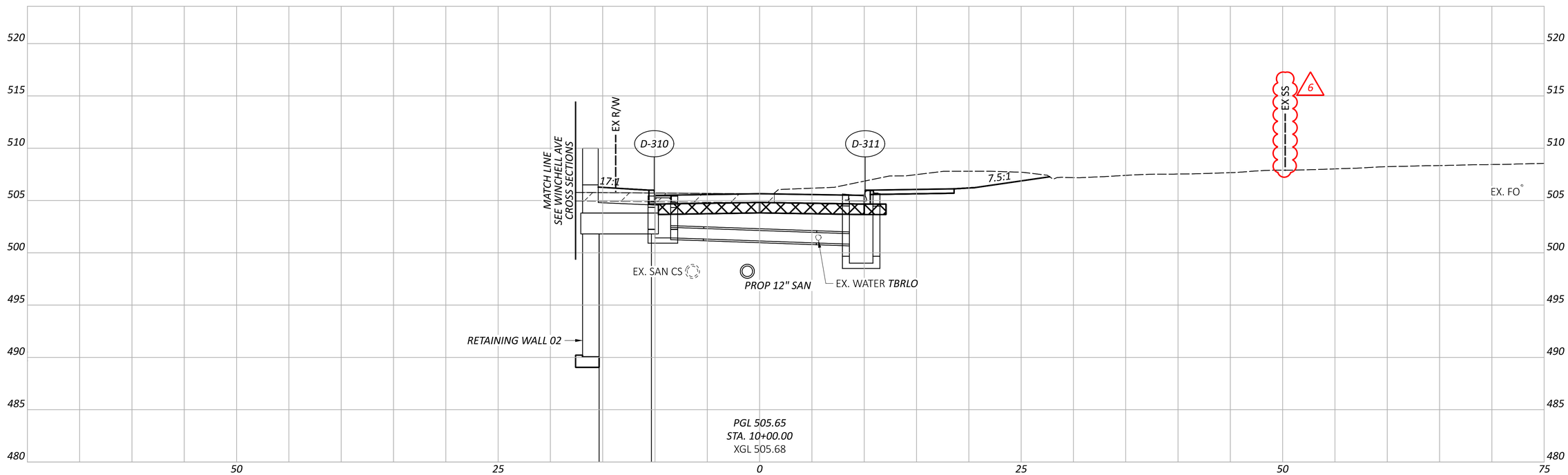
SHEET P.96 TOTAL P.421

LEGEND

EXISTING PAVEMENT REMOVED

ITEM 204 - 12" GRANULAR MATERIAL, TYPE C

ITEM 206 - 14" CEMENT STABILIZED SUBGRADE



CROSS SECTIONS - COURT ST
STA. 10+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
LZS

REVIEWER
KAM 03/03/25

PROJECT ID
122048

SHEET P.97 TOTAL P.421

HAM-IR 75-1.05

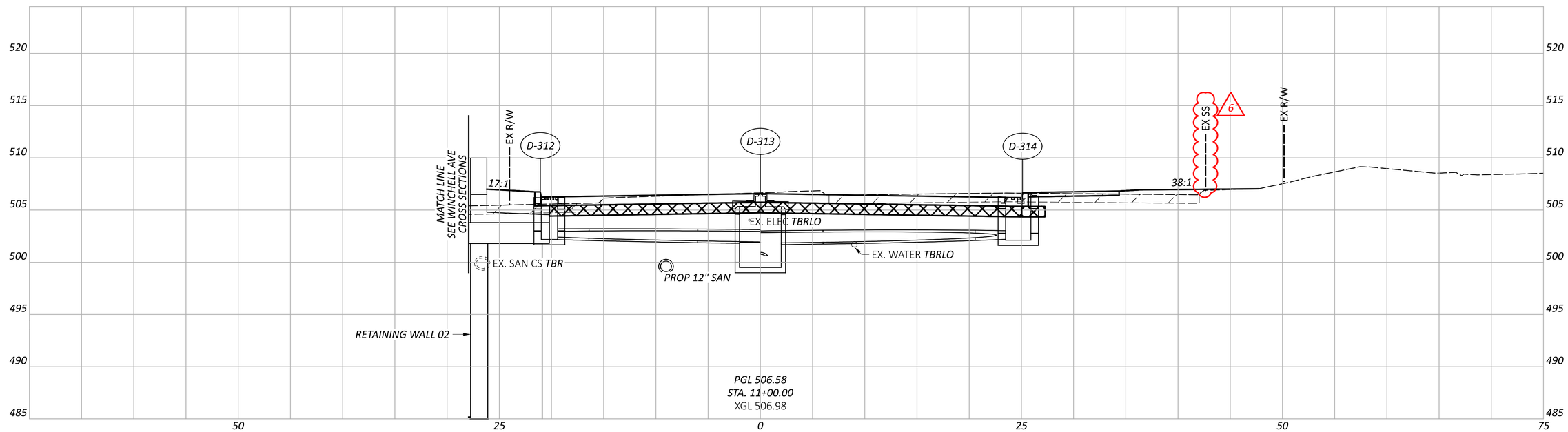
MODEL: COURT - XS007 PAPERSIZE: 34x22 (in.) DATE: 9/29/2025 TIME: 2:09:07 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen_Addendum.tbl USER: pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Hamilton\122048\403-Engineering_StructurePoint\Roadway\Sheets\122048_XS311.dgn WORKSPACE: OHDOTCEv02 WORKSET: 122048 PRODUCT: OpenRoadsDesigner 10.12.02.4

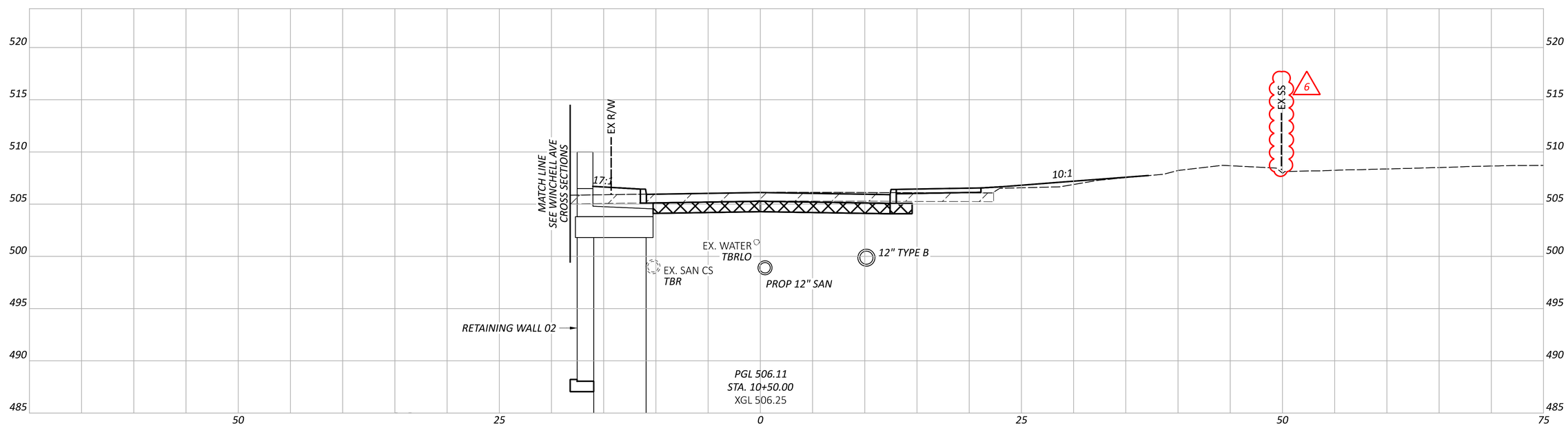
LEGEND

EXISTING PAVEMENT REMOVED

ITEM 204 - 12" GRANULAR MATERIAL, TYPE C

ITEM 206 - 14" CEMENT STABILIZED SUBGRADE





CROSS SECTIONS - COURT ST
STA. 10+50.00 TO STA. 11+00.00

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
LZS

REVIEWER
KAM 03/03/25

PROJECT ID
122048

SHEET P.98 TOTAL P.421

HAM-IR 75-1.05

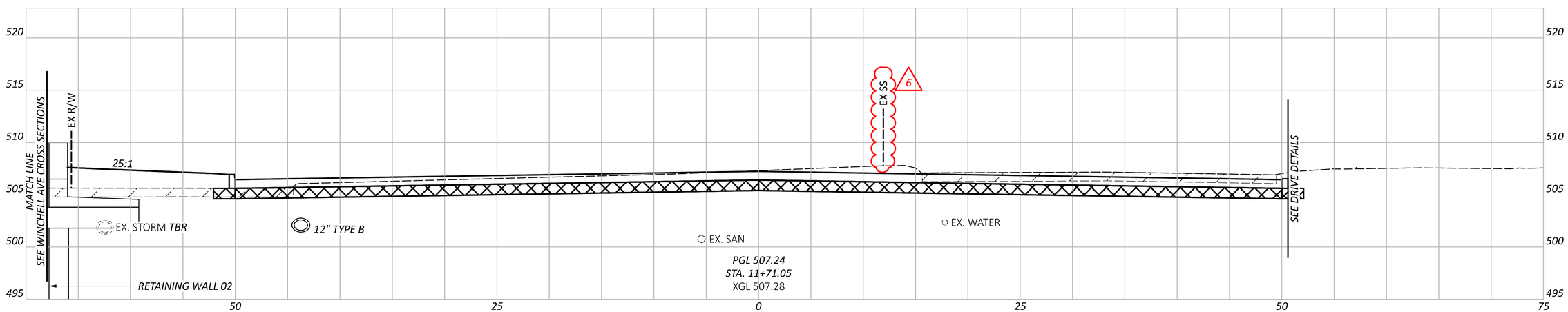
MODEL: COURT - XS008 PAPERSIZE: 34x22 (in.) DATE: 9/29/2025 TIME: 2:09:09 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen_Addendum.tbl USER: WORKSPACE: OHDOTCEv02 WORKSET: 122048 PRODUCT: OpenRoadsDesigner 10.12.02.4
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Hamilton\122048\403-Engineering_StructurePoint\Roadway\Sheets\122048_XS311.dgn

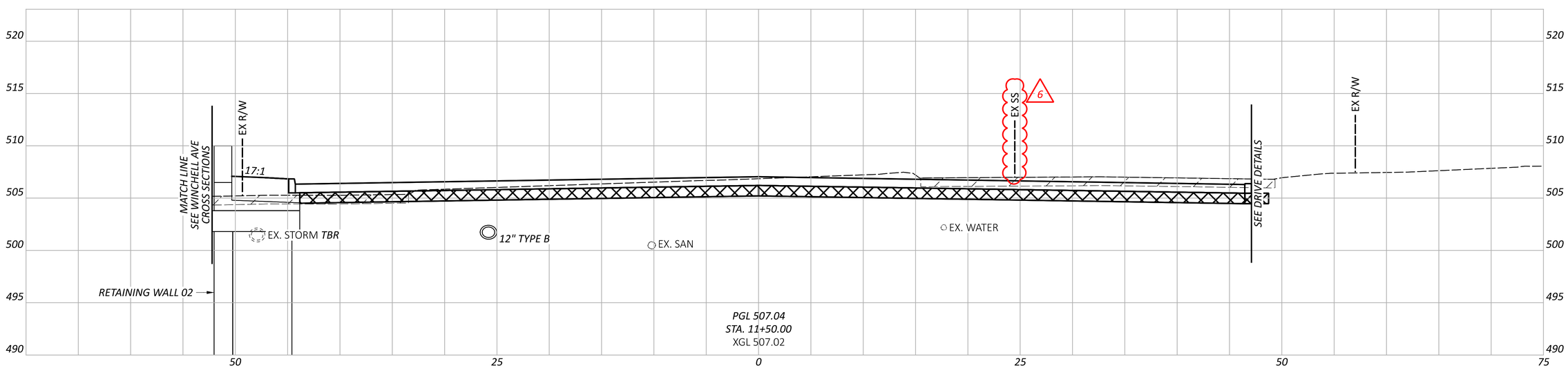
LEGEND

EXISTING PAVEMENT REMOVED

ITEM 204 - 12" GRANULAR MATERIAL, TYPE C

ITEM 206 - 14" CEMENT STABILIZED SUBGRADE





CROSS SECTIONS - COURT ST
STA. 11+50.00 TO STA. 11+71.05

HAM-IR 75-1.05

MODEL: COURT - XS009 PAPERSIZE: 34x22 (in.) DATE: 9/29/2025 TIME: 2:09:12 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen_Addendum.tbl USER: WORKSPACE: OHDOTCEv02 WORKSET: 122048 PRODUCT: OpenRoadsDesigner 10.12.02.4
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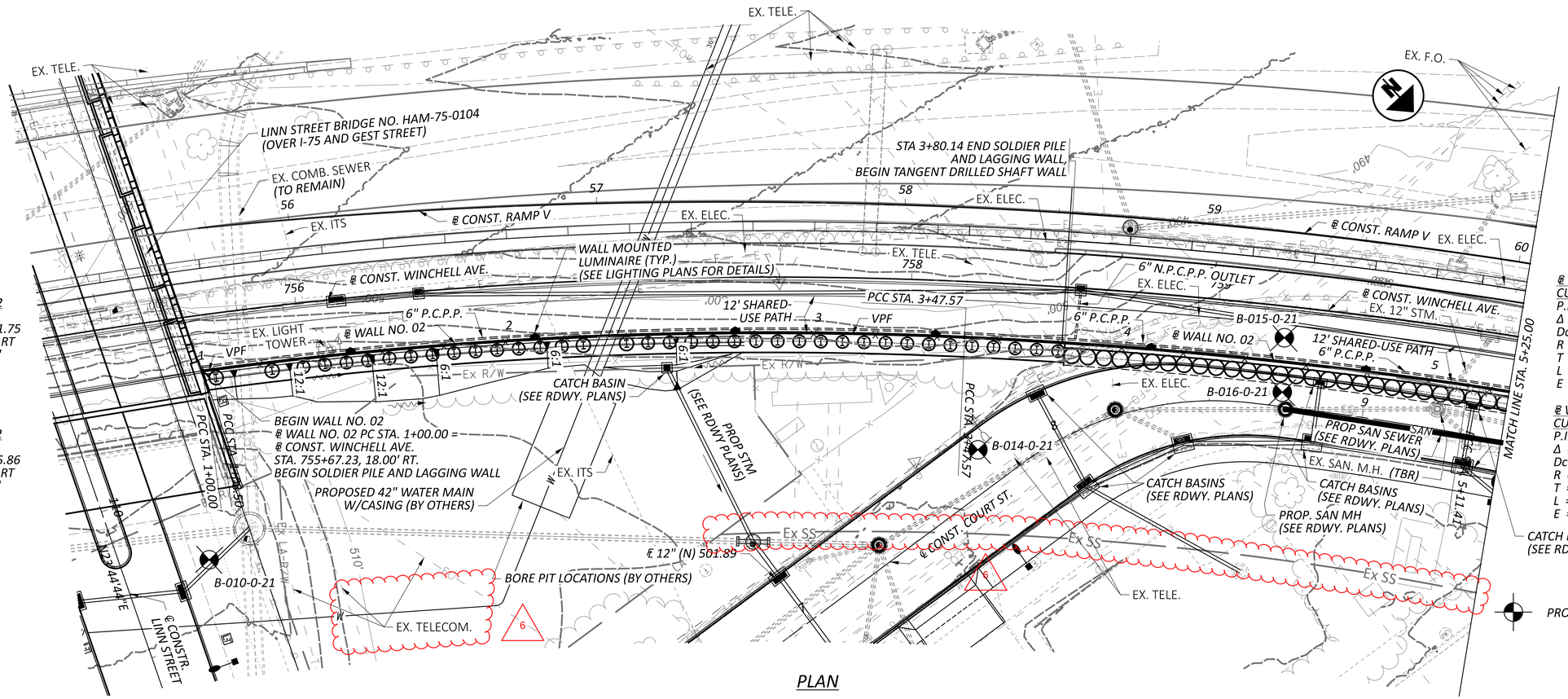
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
LZS

REVIEWER
KAM 03/03/25

PROJECT ID
122048

SHEET P.99 TOTAL P.421



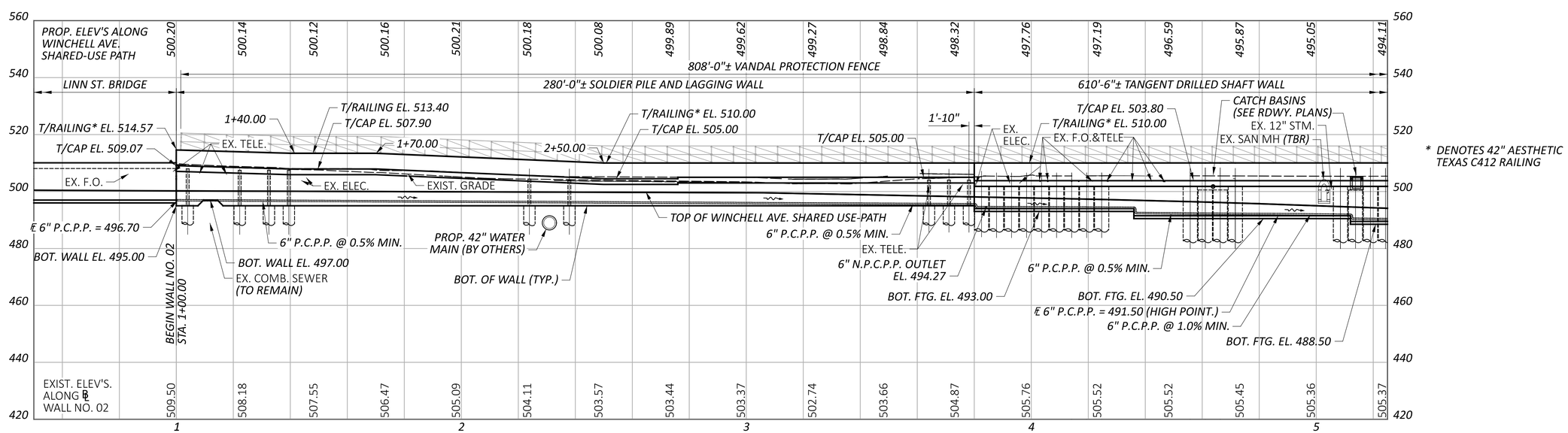
PLAN

℄ WALL NO. 02
CURVE DATA
P.I. = STA. 1+01.75
Δ = 00°07'23" RT
Dc = 03°30'49"
R = 1,630.62'
T = 1.75'
L = 3.5'
E = 0'

℄ WALL NO. 02
CURVE DATA
P.I. = STA. 2+25.86
Δ = 10°13'47" RT
Dc = 04°11'29"
R = 1,367.00'
T = 122.36'
L = 244.07'
E = 5.47'

℄ WALL NO. 02
CURVE DATA
P.I. = STA. 4+29.55
Δ = 05°35'56" RT
Dc = 03°25'02"
R = 1,676.71'
T = 81.99'
L = 163.85'
E = 2'

℄ WALL NO. 02
CURVE DATA
P.I. = STA. 5+56.45
Δ = 07°03'25" RT
Dc = 07°50'40"
R = 730.40'
T = 45.04'
L = 89.96'
E = 1.39'



* DENOTES 42" AESTHETIC TEXAS C412 RAILING

PROFILE ALONG ℄ WALL NO. 02

PLAN AND PROFILE 1 OF 3
RETAINING WALL NO. 02 ALONG WINCHELL AVE.
STA. 1+00.00 TO STA. 5+25.00

DESIGN AGENCY
Palmer ENGINEERING
8350 E. KEMPER ROAD
SUITE B
CINCINNATI, OH 45249
(513) 469-1600

DESIGNER: RJB
REVIEWER: BJF 04/10/25
PROJECT ID: 122048
SUBSET 1 TOTAL 29
SHEET P.164 TOTAL P.421

HAM-IR75-1.05

MODEL: WALL2 - Sheet 1 PAPERSIZE: 34x22 (in.) DATE: 9/26/2025 TIME: 8:44:05 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: RBrinkman@palmernet.com WORKSPACE: OHDOTCEv02 WORKSET: 122048 PRODUCT: OpenRoadsDesigner 24.00.00.205
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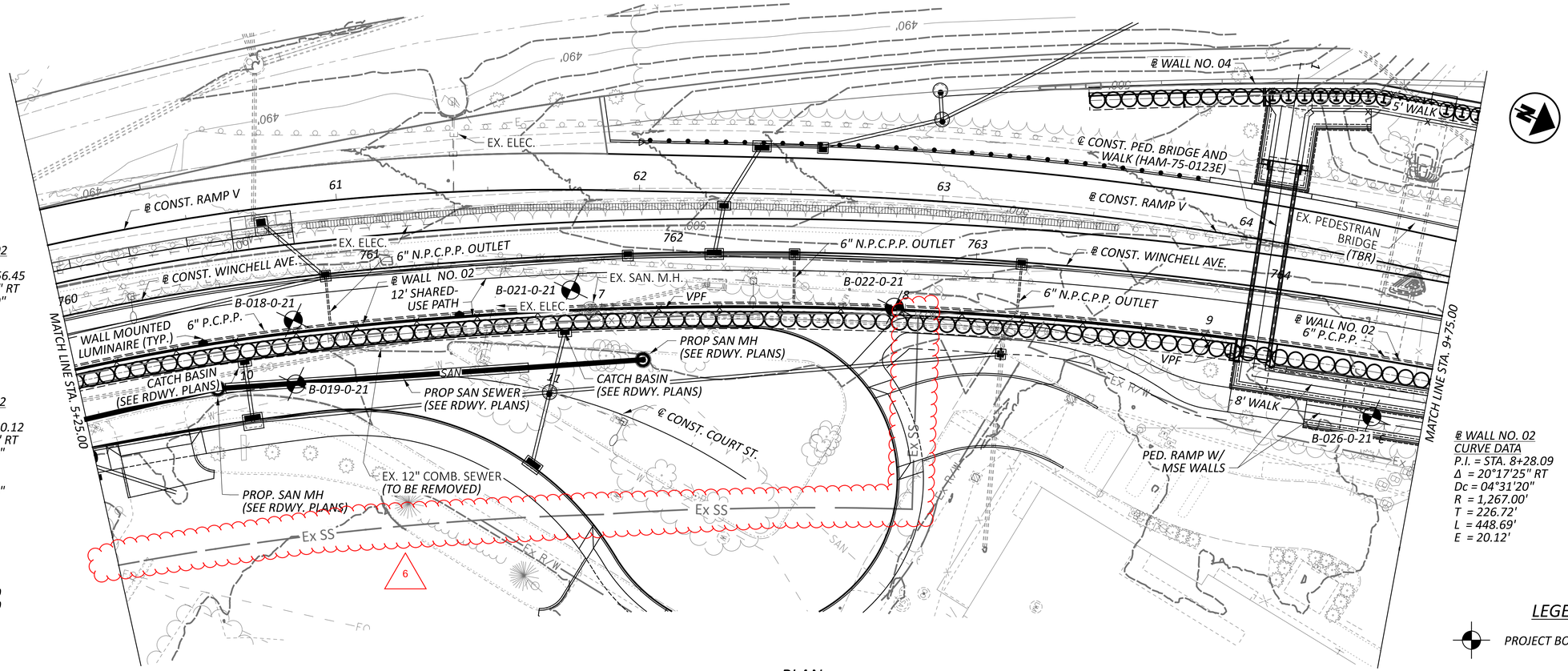
HAM-IR75-1.05
MODEL: WALL2 - Sheet 2 PAPERSIZE: 34x22 (in.) DATE: 9/26/2025 TIME: 8:39:03 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: RBrinkman@palmernet.com WORKSPACE: OHDOTCEv02 WORKSET: 122048 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Hamilton\122048\402-Engineering_PalmerEngineering\Structures\Wall_002\Sheets\122048_002_WP001.dgn

℄ WALL NO. 02 CURVE DATA
P.I. = STA. 5+56.45
Δ = 07°03'25" RT
Dc = 07°50'40"
R = 730.40'
T = 45.04'
L = 89.96'
E = 1.39'

℄ WALL NO. 02 CURVE DATA
P.I. = STA. 6+10.12
Δ = 43°17'55" RT
Dc = 03°30'49"
R = 1,630.62'
Ls = 0.00'
Θs = 00°00'00"
LT = 0.00'
ST = 0.00'
Lc = 3.50'
Ts = 510.12'
Es = 77.93'
Emax =
T.S. =
S.C. = 1+00.00
C.S. = 1+03.50
S.T. =

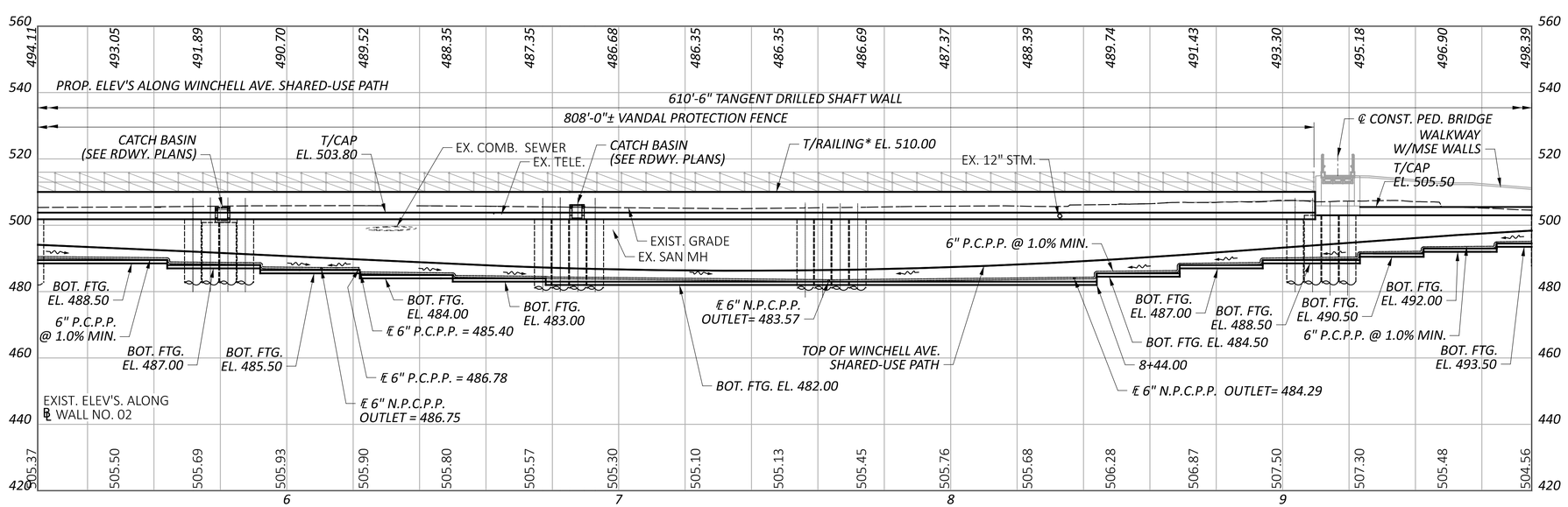


℄ WALL NO. 02 CURVE DATA
P.I. = STA. 8+28.09
Δ = 20°17'25" RT
Dc = 04°31'20"
R = 1,267.00'
T = 226.72'
L = 448.69'
E = 20.12'

LEGEND

PROJECT BORING LOCATION

PLAN



PROFILE ALONG ℄ WALL NO. 02

* DENOTES 42" AESTHETIC TEXAS C412 RAILING

PLAN AND PROFILE 2 OF 3
RETAINING WALL NO. 02 ALONG WINCHELL AVE.
STA. 5+25.00 TO STA. 9+75.00

DESIGN AGENCY
Palmer ENGINEERING
8350 E. KEMPER ROAD
SUITE B
CINCINNATI, OH 45249
(513) 469-1600

DESIGNER	RJB
REVIEWER	BJF 04/10/25
PROJECT ID	122048
SUBSET	2
TOTAL	29
SHEET	P.165
TOTAL	P.421

REFERENCE NO.	SHEET NO.	ALIGNMENT	STATION FROM	STATION TO	SIDE		611 12" CONDUIT, TYPE B (SANITARY SEWER) FT	611 12" CONDUIT, TYPE B (SANITARY SEWER W/UNREINFORCED CONCRETE CAP)		611 MANHOLE ADJUSTED TO GRADE (SANITARY SEWER) EACH	611 MANHOLE ADJUSTED TO GRADE (UTILITY) EACH	611 MANHOLE, MISC.: STANDARD MANHOLE, TYPE B (SANITARY SEWER) EACH				839 SPECIAL - VALVE BOX ADJUSTED TO GRADE (GCWW) EACH	839 SPECIAL - FIRE HYDRANT REMOVED AND DISPOSED OF (GCWW) EACH	839 SPECIAL - FIRE HYDRANT SERVICE LINE SHORTENED AND ADJUSTED TO GRADE (GCWW) EACH			
			SANITARY SEWER																		
S-301	79	CLP_COURT	5+92.84		LT					1											
S-302	79 & 204	CLP_COURT	7+32.09		LT					1											
S-303	81 & 204	CLP_COURT	8+19.72		LT					1											
S-304	81 & 204	CLP_COURT	8+75.00		LT							1									
S-305	81 & 204	CLP_COURT	9+90.00	8+75.00	LT		115					1									
S-306	81 & 204	CLP_COURT	11+25.00	9+90.00	LT		38	103				1									
S-307			NOT	USED																	
S-308	83	CLP_LINN	110+20.65		LT					1											
			WATER WORKS																		
WW-301	78	CLP_COURT	5+56.83		RT													1			
WW-302	80	CLP_COURT	9+45.47		RT												1				
WW-303	80	CLP_COURT	11+34.09		RT											1					
WW-304	80	CLP_COURT	11+59.70		RT												1				
WW-305	80	CLP_COURT	11+71.05		RT											1					
			UTILITY ADJUSTMENTS																		
U-301	78	CLP_COURT	5+59.63		LT						1										
										6											
TOTALS CARRIED TO GENERAL SUMMARY							153	103		4	1	3				2	2	1			

UTILITIES SUBSUMMARY

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
LZS

REVIEWER
KAM 03/03/25

PROJECT ID
122048

SHEET P.203 TOTAL P.421

HAM-IR 75-1.05

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 9/29/2025 TIME: 2:09:24 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen_Addendum.tbl USER: WORKSPACE: OHDOTCEv02 WORKSET: 122048 PRODUCT: OpenRoadsDesigner 10.12.02.4
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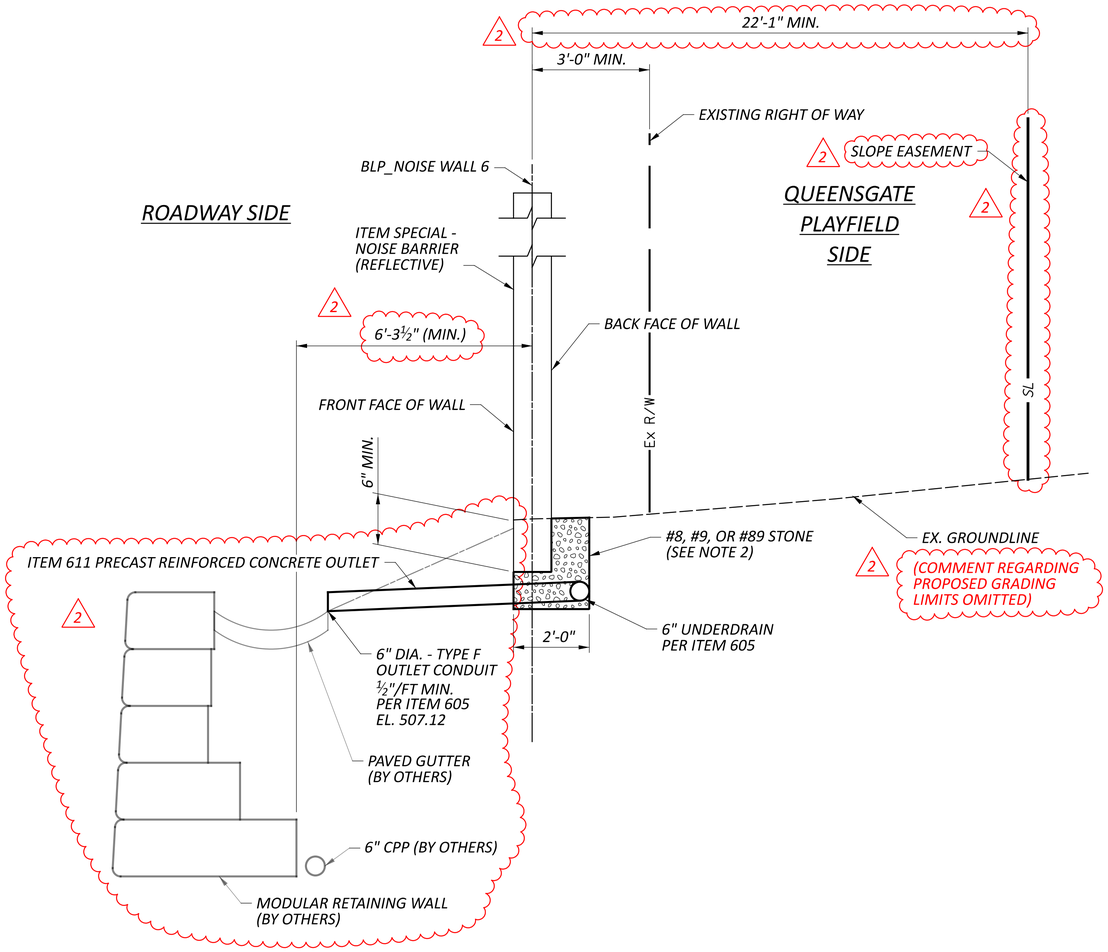
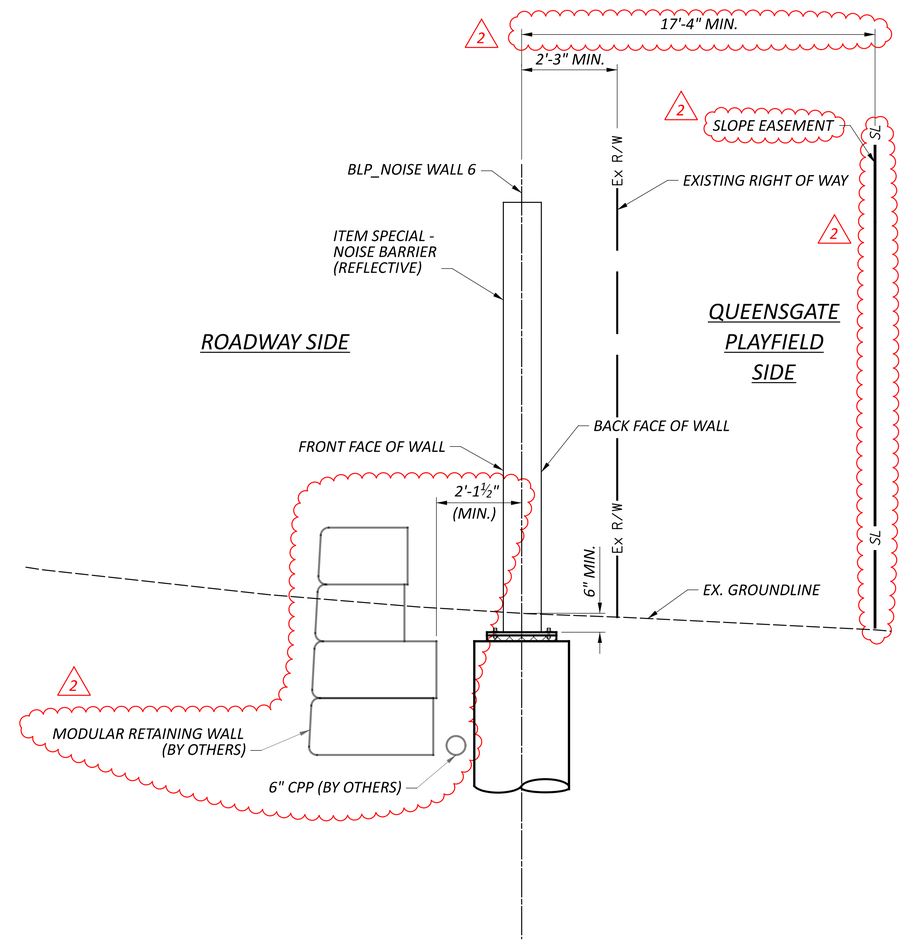


TYPICAL SECTION

STA. 00+64.85 TO STA. 01+29.85



TYPICAL SECTION

STA. 01+29.85 TO STA. 07+33.85

NOISE WALL 6 TYPICAL SECTIONS

NOTES:

1. NOISE BARRIER SHALL BE FABRICATED AND INSTALLED PER NOISE BARRIER STANDARD DRAWING NBS-1-09, UNLESS OTHERWISE NOTED.
2. CONSTRUCT A TRENCH UNDER THE NOISE BARRIER PANELS AS SHOWN. THE BOTTOM OF THE TRENCH SHALL COINCIDE WITH THE UNDERDRAIN INVERT ELEVATION AS SHOWN IN THE NOISE BARRIER PROFILES.
3. AGGREGATE BACKFILL, UNDERDRAINS, OUTLET CONDUIT, AND OTHER FEATURES RELATED TO NOISE WALL DRAINAGE ARE INCLUDED IN ITEM SPECIAL - NOISE BARRIER (REFLECTIVE) FOR PAYMENT.

2 9-11-2025

SFN	N/A
DESIGN AGENCY	B&N burgessniple.com
DESIGNER	MES
CHECKER	ODW
REVIEWER	SCS 12/31/24
PROJECT ID	122048
SUBSET	3
TOTAL	12
SHEET	P.233
TOTAL	P.421

HAM-IR 75-1.05

REF NO.	SHEET NO.			STATION FROM	STATION TO	SIDE	SPECIAL SPECIAL - NOISE BARRIER (REFLECTIVE) 2	(ITEM REMOVED)	611 PRECAST REINFORCED CONCRETE OUTLET	
							SF		EA	
NSA 5	237	-	238	00+01.50	08+07.50	℄	9402			
NSA 6	239	-	240	00+64.85	07+33.85	℄	8025		1	
TOTALS CARRIED TO GENERAL SUMMARY							17427		1	

2 9-11-2025

NOISE WALL SUBSUMMARY

SFN N/A

DESIGN AGENCY B&N burgessniple.com

DESIGNER	CHECKER
MES	BCS

REVIEWER JSB 4/9/25

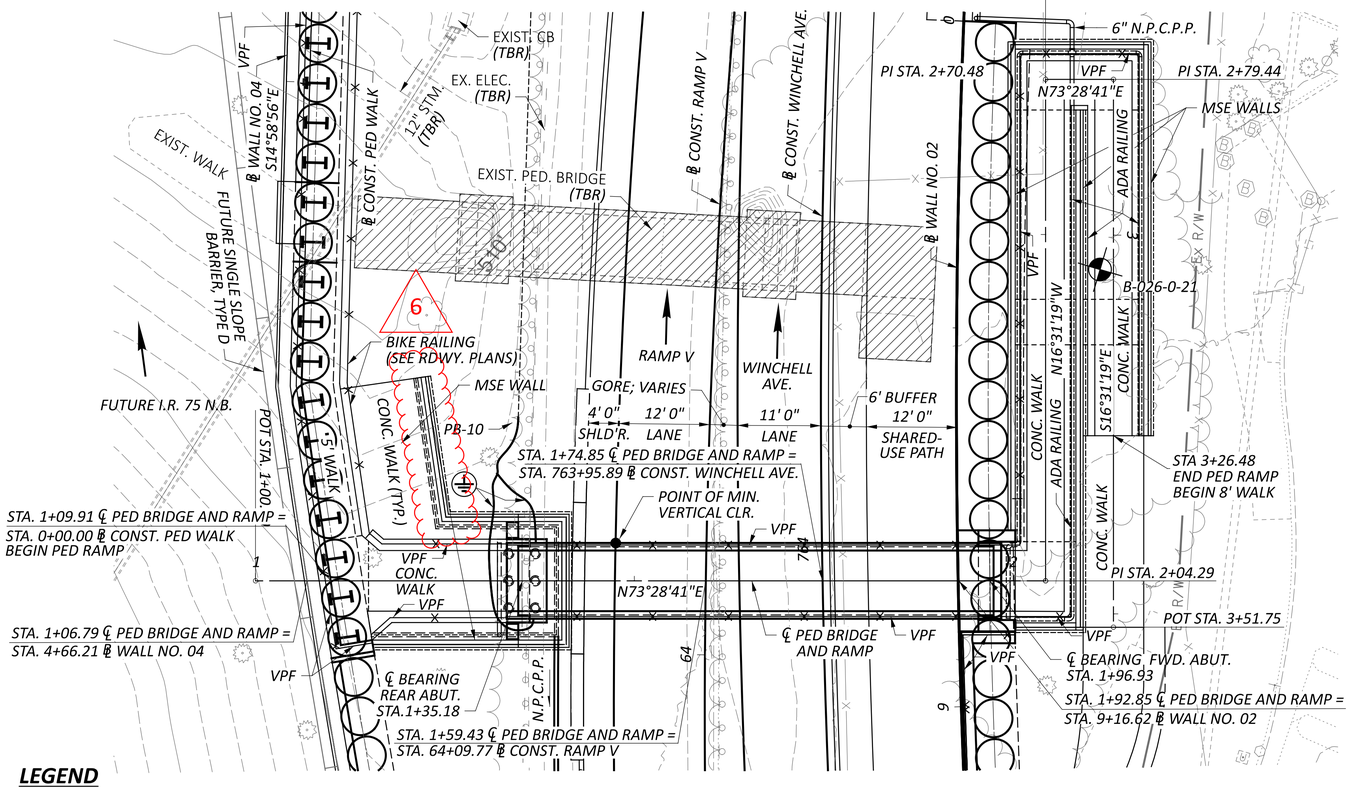
PROJECT ID 122048

SUBSET	TOTAL
6	12

SHEET	TOTAL
P.236	P.421

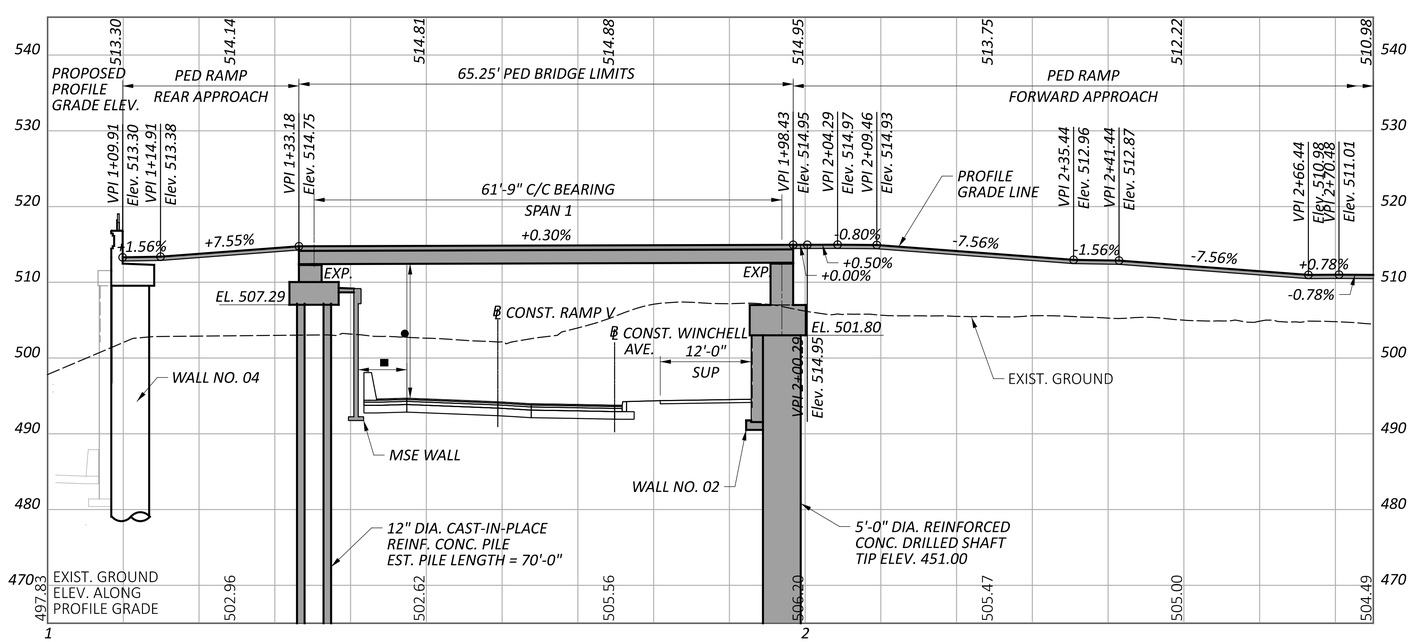
HAM-IR 75-1.05

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 9/29/2025 TIME: 10:14:48 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Add-Pen.tbl USER: Morgan.Spanopoulos@burgessniple.com WORKSPACE: OHDOTCEv02 WORKSET: 122048 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Hamilton\122048\401-Engineering_BurgessNiple\Roadway\Sheets\122048_WS001.dgn



LEGEND

VPF GROUND WIRES TO CONNECT TO GROUND AT PULL BOX 10. SEE SHEET 19/22 FOR VPF CONNECTION DETAILS. SEE LIGHTING PLANS FOR QUANTITY.



BENCHMARK DATA

BM #1 STA. 63+71.02 ,	ELEV. 491.77 ,	OFFSET 308.82' LT.,	IRON PIN
BM #2 STA. 63+92.86 ,	ELEV. 492.97 ,	OFFSET 251.23' LT.,	MAG SPIKE
BM #3 STA. 63+56.30 ,	ELEV. 490.92 ,	OFFSET 106.06' LT.,	MAG SPIKE

FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET P.2

NOTES

EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

LEGEND

PROJECT BORING LOCATION

● 17'-6" REQUIRED MINIMUM VERTICAL CLEARANCE
17'-6⅛" ACTUAL MINIMUM VERTICAL CLEARANCE.

■ 5'-8" REQUIRED MINIMUM HORIZONTAL CLEARANCE
6'-3¾" ACTUAL MINIMUM HORIZONTAL CLEARANCE

EXISTING STRUCTURE TO BE REMOVED

TBR = TO BE REMOVED
SUP = SHARED-USE PATH

EXISTING STRUCTURE

TYPE: REINFORCED CONCRETE RIGID FRAME
SPANS: 36'-0"± CLEAR FACE/FACE PIERS
WIDTH: 8'-0"± TOE/TOE CURB
LOADING: 85 PSF PEDESTRIAN LOAD
SKEW: NONE
WEARING SURFACE: NONE
APPROACH SLABS: NONE
ALIGNMENT: TANGENT
CROWN: 0.0104 FT/FT
STRUCTURE FILE NUMBER: 3109151
DATE BUILT: 1961
DISPOSITION: TO BE REMOVED

PROPOSED STRUCTURE

TYPE: SINGLE SPAN, PRESTRESSED CONCRETE BOX BEAMS WITH COMPOSITE REINFORCED CONCRETE DECK SUPPORTED ON CONCRETE STUB ABUTMENT SUPPORTED ON PILES BEHIND MSE WALL EMBANKMENT AND STUB ABUTMENT SUPPORTED ON DRILLED SHAFTS

SPANS: 61'-9" C/C BEARINGS
WIDTH: 8'-0" TOE/TOE CURB
LOADING: 90 PSF PEDESTRIAN LOAD
SKEW: NONE
WEARING SURFACE: NONE
APPROACH SLABS: NONE
ALIGNMENT: TANGENT
CROWN: NONE
DECK AREA: 653 SF

COORDINATES: LATITUDE 39°06'25.27" N
LONGITUDE 84°31'50.13" W

SITE PLAN
BRIDGE NO. HAM-75-0123E
PEDESTRIAN BRIDGE OVER RAMP V AND WINCHELL AVE.

SFN 3109152

DESIGN AGENCY
Palmer ENGINEERING
8350 E. KEMPER ROAD
SUITE B
CINCINNATI, OH 45249
(513) 469-1600

DESIGNER	CHECKER
RJB	TES

REVIEWER BJF 04/11/25

PROJECT ID 122048

SUBSET	TOTAL
1	22

SHEET	TOTAL
P.331	P.421

HAM-IR75-1.05

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWINGS:

PSBD-2-07 REVISED 7/20/18
VPF-1-24 REVISED 1/17/25

AND TO THE FOLLOWING SUPPLEMENTAL SPECIFICATION(S):

840 DATED 1/17/25

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 9TH EDITION, LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 2009, AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

REDUNDANCY

THE FOLLOWING ITEM WAS CONSIDERED NON-REDUNDANT FOR DESIGN AND INCLUDE A LOAD MODIFIER EQUAL TO 1.05 IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, ARTICLE 1.3.4: PS BOX BEAMS.

OPERATIONAL IMPORTANCE

A LOAD MODIFIER OF 1.05 HAS BEEN ASSUMED FOR THE DESIGN OF THE PRESTRESSED BOX BEAMS IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, ARTICLE 1.3.5 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

DESIGN LOADING

PEDESTRIAN LIVE LOAD: 0.090 KSF

DESIGN DATA

CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4.0 KSI
(SUBSTRUCTURE)
CONCRETE CLASS QC2 - COMPRESSIVE STRENGTH 4.5 KSI
(SUPERSTRUCTURE)
CONCRETE CLASS QC5, WITH 1" MAX. AGGREGATE SIZE - COMPRESSIVE STRENGTH 4.5 KSI
(DRILLED SHAFTS)

GALVANIZED STEEL REINFORCEMENT - MIN. YIELD STRENGTH - 60 KSI

STEEL CIP PILES – ASTM A252 GRADE 2 - YIELD STRENGTH 35 KSI

CONCRETE FOR PRESTRESSED BEAMS:
COMPRESSIVE STRENGTH (FINAL) - 7.0 KSI
COMPRESSIVE STRENGTH (RELEASE) - 5.0 KSI

PRESTRESSING STRAND:
AREA = 0.167 SQ. IN.
ULTIMATE STRENGTH = 270 KSI
INITIAL STRESS = 202.5 KSI (LOW RELAXATION STRANDS)

MONOLITHIC WEARING SURFACE

MONOLITHIC WEARING SURFACE IS ASSUMED, FOR DESIGN PURPOSES, TO BE 1 INCH THICK.

ITEM 202 - STRUCTURE REMOVED, OVER 20' SPAN

REMOVE THE EXISTING PEDESTRIAN BRIDGE AT THE LOCATION SHOWN ON SHEET 1 /22 IN ITS ENTIRETY.

LATERALLY LOADED DRILLED SHAFTS, 60" TANGENT DRILLED SHAFT WALL - SHAFTS 138-141 - FORWARD ABUTMENT

THE MAXIMUM FACTORED LATERAL LOAD AND BENDING MOMENT TO BE SUPPORTED BY EACH DRILLED SHAFT ARE 52 KIPS, AND 281 KIP-FEET, RESPECTIVELY. THESE LOADS PRODUCE A MAXIMUM FACTORED BENDING MOMENT OF 2,443 KIP-FEET, AND A MAXIMUM FACTORED SHEAR OF 137 KIPS, WITHIN THE DRILLED SHAFT.

FRICTION DRILLED SHAFTS

THE MAXIMUM FACTORED LOAD TO BE SUPPORTED BY EACH DRILLED SHAFT IS 271 KIPS AT THE ABUTMENTS. THIS LOAD IS RESISTED BY FRICTIONAL SIDE RESISTANCE ALONG THE LENGTH OF THE DRILLED SHAFT AND BY THE TIP RESISTANCE. THE FACTORED SIDE RESISTANCE IS 289 KIPS, ASSUMED TO ACT ALONG THE BOTTOM 32 FEET OF THE DRILLED SHAFT, AND THE FACTORED TIP RESISTANCE IS 18 KIPS.

PILES DESIGN LOADS (ULTIMATE BEARING VALUE)

THE ULTIMATE BEARING VALUE IS 80 KIPS PER PILE FOR THE REAR ABUTMENT PILES.

ABUTMENT PILES:
6 PILES 75 FEET LONG, ORDER LENGTH.
1 DYNAMIC LOAD TESTING ITEM.

PROVIDE PLAIN CYLINDRICAL CASINGS WITH A MINIMUM PILE THICKNESS OF 0.25 INCH FOR THE CAST-IN-PLACE REINFORCED CONCRETE PILES.

ITEM 507 - CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN, AS PER PLAN

THIS ITEM INCLUDES THE FURNISHING AND PLACEMENT OF THE PILE SLEEVES PRIOR TO DRIVING PILES.

ITEM 511 - CLASS QC2 CONCRETE, AS PER PLAN.

THIS ITEM INCLUDES THE POLYSTYRENE AT THE ABUTMENT SEATS. FURNISH THE POLYSTYRENE MATERIAL MEETING THE REQUIREMENTS OF ASTM C578 TYPE IV. NEATLY CUT MATERIAL AS NECESSARY TO ALLOW FOR PROPER INSTALLATION. JOINTS AT ABUTTING PIECES SHALL BE SEALED WITH DUCT TAPE. ALLOWABLE TOLERANCE FOR THE TOTAL THICKNESS OF THE MATERIAL SHALL BE -0", +1/2". DO NOT PLACE MORE THAN TWO LAYERS OF POLYSTYRENE TO ACHIEVE TOTAL THICKNESS.

ITEM 512 - SEALING OF CONCRETE SURFACES, AS PER PLAN, (PERMANENT GRAFFITI PROTECTION)

APPLY A PERMANENT GRAFFITI COATING QUALIFIED ACCORDING TO S1083 THAT IS COMPATIBLE WITH THE CONCRETE SEALER OVER WHICH IT IS APPLIED. APPLY THE GRAFFITI COATING IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS.

ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

SEAL SURFACES OF THE CAST-IN-PLACE CONCRETE WALL FACING, PILASTERS, RAILING AND COPING AS SHOWN IN THE PLANS WITH AN EPOXY URETHANE SEALER ACCORDING TO C&MS 512. COLOR SHALL BE LIGHT NEUTRAL (FEDERAL STD. 595C #17778)

ITEM 517 - RAILING, MISC.: PEDESTRIAN ADA COMPLIANT RAILING

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A RAILING AT THE FORWARD APPROACH MSE RAMP THAT IS COMPLIANT WITH THE AMERICANS AND DISABILITIES ACT (ADA) STANDARDS, U.S. ACCESS BOARD PROPOSED GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY (PROWAG) SECTION R-409, AND ODOT MULTIMODAL DESIGN SECTION 4.7.3 AND 5.4 AND THE ODOT MULTIMODAL DESIGN. THIS INCLUDES BUT IS NOT LIMITED TO THE POST DESIGN, THE HANDRAIL DESIGN, AND TERMINATIONS AND EXTENSIONS.

THE RAILING AND OTHER DESIGN ELEMENTS SHALL ALSO BE DESIGNED FOR LOADS IN ACCORDANCE WITH AASHTO 13.8.2. THIS INCLUDES BUT ITS NOT LIMITED TO THE POST, HANDRAIL, BASEPLATE, ANCHOR BOLTS AND WELDS AND OTHER CONNECTION ITEMS. GALVANIZE ALL PARTS OF STEEL AND IRON RAILING, BASEPLATES AND ANCHOR BOLTS.

THE POST, RAILS, BASE PLATES, AND ANCHOR BOLTS SHALL BE PAINTED BLACK. PAINTING SHALL BE INCLUDED WITH THIS ITEM FOR PAYMENT.

PILE DRIVING CONSTRAINTS - REAR ABUTMENT

PRIOR TO DRIVING ABUTMENT PILES TO THE ULTIMATE BEARING VALUE (UBV), CONSTRUCT THE MSE WALL AND THE BRIDGE APPROACH EMBANKMENT BEHIND THE ABUTMENT UP TO THE BOTTOM OF THE FOOTING UNTIL REAR APPR. MSE WALL POT STA. 0+71.06 FOR LEFT SIDE AND UNTIL REAR APPR. MSE WALL POT STA. 1+34.21 FOR RIGHT SIDE. THE CONTRACTOR MAY PRE-DRIVE ABUTMENT PILES BEFORE CONSTRUCTING MSE WALLS. PRE-DRIVING CONSISTS OF INSTALLING THE ABUTMENT PILES INTO THE SOIL ONLY AS FAR AS NECESSARY SO THAT THE PILE WILL REMAIN VERTICAL DURING MSE WALL CONSTRUCTION. IF PRE-DRIVING PILES, INSTALL PILE SLEEVES AROUND PILES BEFORE CONSTRUCTING THE MSE WALL. PROVIDE AT LEAST 3-FT OF PILE ABOVE THE TOP OF THE PILE SLEEVE TO MEET THE REQUIREMENTS OF C&MS 507.09 REGARDING SPLICES. IN LIEU OF SPECIFYING A WAITING PERIOD, A DOWNDRAG ANALYSIS WAS PERFORMED AND IT WAS DETERMINED THAT THE DOWNDRAG LOADS ARE NOT ANTICIPATED TO BE A CONCERN FOR THE PROJECT PROPOSED PILE FOUNDATIONS. THEREFORE, NO WAITING PERIOD IS REQUIRED.

6

IF NOT PRE-DRIVING ABUTMENT PILES, INSTALL THE ABUTMENT PILES THROUGH PILE SLEEVES AFTER THE ABOVE REQUIRED MSE WALL AND EMBANKMENT HAVE BEEN CONSTRUCTED.

PROPRIETARY RETAINING WALL DATA

THE PROPRIETARY WALL SUPPLIER SHALL DESIGN THE INTERNAL STABILITY OF A MECHANICALLY STABILIZED EARTH (MSE) WALL IN ACCORDANCE WITH SS840 TO SUPPORT THE ABUTMENT. THE DESIGN FOR INTERNAL STABILITY SHALL INCLUDE A NOMINAL (I.E. UNFACTORED) HORIZONTAL STRIP LOAD DUE TO FRICTION (FR) FROM THE SUPERSTRUCTURE OF 3.3 K/FT APPLIED PERPENDICULAR TO THE FACE OF WALL AT THE BASE OF THE CONCRETE FOOTING. THIS STRIP LOAD DOES NOT INCLUDE EARTH PRESSURE LOADS FROM THE ABUTMENT BACKFILL. HOWEVER, THE PROPRIETARY WALL SUPPLIER SHALL INCLUDE EARTH PRESSURE LOADS FROM THE ABUTMENT BACKFILL IN THE DESIGN CALCULATIONS.

ITEM 607 - VANDAL PROTECTION FENCE, 8', STRAIGHT, COATED FABRIC, AS PER PLAN
ITEM SPECIAL - VANDAL PROTECTION FENCE, 12'

THESE ITEMS SHALL CONSIST OF FURNISHING AND INSTALLING 8 AND 12 FOOT TALL VANDAL PROTECTION FENCES. VANDAL FENCE SHALL HAVE A BLACK PVC COATING. PVC COATING SHALL BE BLACK IN COLOR CLOSELY APPROACHING FEDERAL COLOR NUMBER 17038. VANDAL FENCE POSTS, RAILS, HANDRAIL, HADRAIL SLEEVE AND PLATE ASSEMBLY, BASE PLATES, ANCHOR BOLTS AND ANY OTHER VANDAL FENCE ITEMS NOT RECEIVING A PVC COATING SHALL BE PAINTED BLACK. PAINTING AND PVC COATING SHALL BE INCLUDED WITH THIS ITEM FOR PAYMENT.

PAYMENT FOR THIS WORK INCLUDES ALL MATERIAL, LABOR, EQUIPMENT AND ANY MISCELLANEOUS APPURTENANCES NECESSARY TO COMPLETE INSTALLATION IN ACCORDANCE WITH THE PLANS, AND STANDARD CONSTRUCTION DRAWING VPF-1-24. THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT UNIT PRICE BID FOR PER FOOT FOR ITEMS 607 - VANDAL PROTECTION FENCE, 8', AS PER PLAN AND SPECIAL - VANDAL PROTECTION FENCE, 12' .

ITEM 840 - SELECT GRANULAR BACKFILL, AS PER PLAN

PLACE SELECT GRANULAR BACKFILL, AS PER PLAN, IN THE AREA BELOW THE CONCRETE WALKS WITHIN THE MSE WALLS. FURNISH GRANULAR MATERIAL THAT CONFORMS TO 840.03.E WITH THE FOLLOWING MODIFICATIONS: FURNISH MATERIAL THAT MEETS THE GRADATION REQUIREMENT OF GRANULAR MATERIAL TYPE B IN C&MS 703.16.C.2.

ITEM 840 MECHANICALLY STABILIZED EARTH WALL, AS PER PLAN

THE REQUIREMENT TO PROVIDE SOIL REINFORCEMENT WITH A LENGTH EQUAL TO 70 PERCENT OF THE WALL HEIGHT BUT NOT LESS THAN 8 FEET, AS DEFINED IN SECTION 840.04.A.2, OF SUPPLEMENTAL SPECIFICATION 840 IS REVISED TO ALLOW CALCULATION OF THE MINIMUM LENGTH TO BE BASED ON 60 PERCENT OF THE WALL HEIGHT. THE 8 FOOT MINIMUM LENGTH MUST STILL BE MET.

ITEM 840 FOUNDATION PREPARATION, AS PER PLAN

FOUNDATION AT THE MSE WALL TO BE UNDERCUT 2 FEET AND REPLACED WITH ITEM 204 GRANULAR MATERIAL TYPE C.

ITEM 840 - AESTHETIC SURFACE TREATMENT

USE CONCRETE FORM LINERS TO CREATE AESTHETIC SURFACE TREATMENT ON THE MSE WALL FACING PANELS. THE FORM LINER SHALL BE PATTERN 1107, MISSION FLUTE FROM SPEC FORMLINERS, INC. OR APPROVED EQUAL. THE FORM LINER RELIEF DEPTH SHALL BE 1.5". FABRICATE AND INSTALL THE MSE WALL PANELS SUCH THAT THE VERTICAL FINS AND VALLEYS IN THE FRACTURE FIN AESTHETIC TREATMENT ALIGN VERTICALLY ACROSS ADJACENT PANELS FROM THE TOP OF THE WALL TO THE BOTTOM OF THE WALL. USE THE SAME FRACTURED FIN PATTERN ON ALL WALLS ON THE PROJECT.

FORM LINERS SHALL BE CAPABLE OF WITHSTANDING ANTICIPATED CONCRETE POUR PRESSURES WITHOUT LEAKAGE OR CAUSING PHYSICAL DEFECTS. FORM LINERS SHALL BE REMOVABLE WITHOUT CAUSING CONCRETE SURFACE DAMAGE. USE FORM RELEASE PRODUCT AS RECOMMENDED BY THE FORM LINER MANUFACTURER. USE MANUFACTURER'S APPLICATION RATES AND ALL OTHER MANUFACTURER'S INSTRUCTIONS. FORM RELEASE PRODUCT SHALL BE FULLY COMPATIBLE WITH THE FORM LINER MATERIAL AND EPOXY-URETHANE SEALER TO BE APPLIED TO THE FINISHED SURFACES.

ALIGN THE FORM LINER PATTERNS ACROSS ALL JOINTS BETWEEN CONCRETE FACING.

PLAN ABBREVIATIONS

ABUT.	ABUTMENT
BF	BACK FACE (BACKFILL SIDE)
BRG.	BEARING
C/C	CENTER TO CENTER
C.J.	CONSTRUCTION JOINT
DIA.	DIAMETER
EL.	ELEVATION
EF	EACH FACE
EQ. SPA.	EQUALLY SPACED
F.A.	FORWARD ABUTMENT
FF	FRONT FACE (CREEK SIDE)
MAX.	MAXIMUM
MIN.	MINIMUM
N.P.C.P.P.	NON-PERFORATED CORRUGATED PLASTIC PIPE
O/O	OUT TO OUT
PEJF	PREFORMED EXPANSION JOINT FILLER
P.C.P.P.	PERFORATED CORRUGATED PLASTIC PIPE
R.A.	REAR ABUTMENT
SPA.	SPACE, SPACES, SPACED
STA.	STATION
T.O.S.	TOP OF SLOPE
TYP.	TYPICAL

GENERAL NOTES
BRIDGE NO. HAM-75-0123E
PEDESTRIAN BRIDGE OVER RAMP V AND WINCHELL AVE.

SFN 3109152
DESIGN AGENCY
Palmer ENGINEERING
8350 E. KEMPER ROAD
SUITE B
CINCINNATI, OH 45249
(513) 469-1600

DESIGNER	CHECKER
RJB	TES

REVIEWER
BJF 04/11/25

PROJECT ID
122048

SUBSET	TOTAL
2	22

SHEET	TOTAL
P.332	P.421

ESTIMATED QUANTITIES

CALC: RJB DATE: 8/18/25 | CHECK: CVK DATE: 8/18/25

ITEM	ITEM EXT.	TOTAL 02/IMS/13	UNIT	DESCRIPTION	ABUT	SUPER	GENERAL	MSE	SHEET
202	11002	LS		STRUCTURE REMOVED, OVER 20 FOOT SPAN			LS		
503	11100	LS		COFFERDAMS AND EXCAVATION BRACING			LS		
503	21300	LS		UNCLASSIFIED EXCAVATION			LS		
505	11100	LS		PILE DRIVING EQUIPMENT MOBILIZATION			LS		
507	00501	420	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN, AS PER PLAN	420				2 | 22
507	00550	450	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED	450				
509	26000	7,791	LB	GALVANIZED STEEL REINFORCEMENT	3,273	4,518			
511	31611	16	CY	CLASS QC2 CONCRETE, SUPERSTRUCTURE, AS PER PLAN		16			2 | 22
511	43510	41	CY	CLASS QC1 CONCRETE, ABUTMENT INCLUDING FOOTING	41				
511	34448	10	CY	CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)		10			
512	16001	477	SY	SEALING OF CONCRETE SURFACES, AS PER PLAN	44	116		317	2 | 22
512	33000	6	SY	TYPE 2 WATERPROOFING	6				
515	12040	3	EACH	PRESTRESSED CONCRETE COMPOSITE BOX BEAM BRIDGE MEMBERS, LEVEL 1, CB21-36 (62'-9" Long)	3				
516	13200	33	SF	½" PREFORMED EXPANSION JOINT FILLER			33		
516	13600	32	SF	1" PREFORMED EXPANSION JOINT FILLER			32		
516	13900	23	SF	2" PREFORMED EXPANSION JOINT FILLER	23				
516	14020	28	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	28				
516	31010	26	FT	2" DEEP JOINT SEALER			26		
516	43100	12	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES ONLY (NEOPRENE) (8.5"x8"x1.564")	12				
517	76300	166	FT	RAILING, MISC.:PEDESTRIAN ADA COMPLIANT RAILING			166		2 | 22
518	21200	4	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	4				
518	40001	23	FT	6" PERFORATED CORRUGATED PLASTIC PIPE, AS PER PLAN	23				6 & 8 |22
518	40011	130	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN	130				13 | 22
523	20000	1	EACH	DYNAMIC LOAD TESTING	1				
601	21000	6	SY	CONCRETE SLOPE PROTECTION	6				
607	39911	131	FT	VANDAL PROTECTION FENCE, 8' STRAIGHT, COATED FABRIC, AS PER PLAN			131		2 & 7 | 22
SPECIAL	60740000	131	FT	VANDAL PROTECTION FENCE, 12' STRAIGHT, COATED FABRIC		131			2 & 20 | 22
608	13000	1,354	SF	6" CONCRETE WALK			1,354		
608	98000	470	SF	WALKWAY, MISC.: 10" CONCRETE WALK			470		7 & 14 | 22
625	33000	1	EACH	STRUCTURE GROUNDING SYSTEM			1		
840	20001	3,461	SF	MECHANICALLY STABILIZED EARTH WALL, AS PER PLAN				3461	2 | 22
840	21000	688	CY	WALL EXCAVATION				688	
840	22001	233	SY	FOUNDATION PREPARATION, AS PER PLAN				233	2 | 22
840	23000	774	CY	SELECT GRANULAR BACKFILL				774	
840	23001	122	CY	SELECT GRANULAR BACKFILL, AS PER PLAN				122	2 | 22
840	25010	297	FT	6" DRAINAGE PIPE, PERFORATED				297	
840	25020	29	FT	6" DRAINAGE PIPE, NON-PERFORATED				29	
840	26000	288	FT	CONCRETE COPING				288	
840	26050	3,461	SF	AESTHETIC SURFACE TREATMENT				3461	
840	27000	5	DAY	ON-SITE ASSISTANCE				5	
840	28000	LS		SGB INSPECTION AND COMPACTION TESTING				LS	

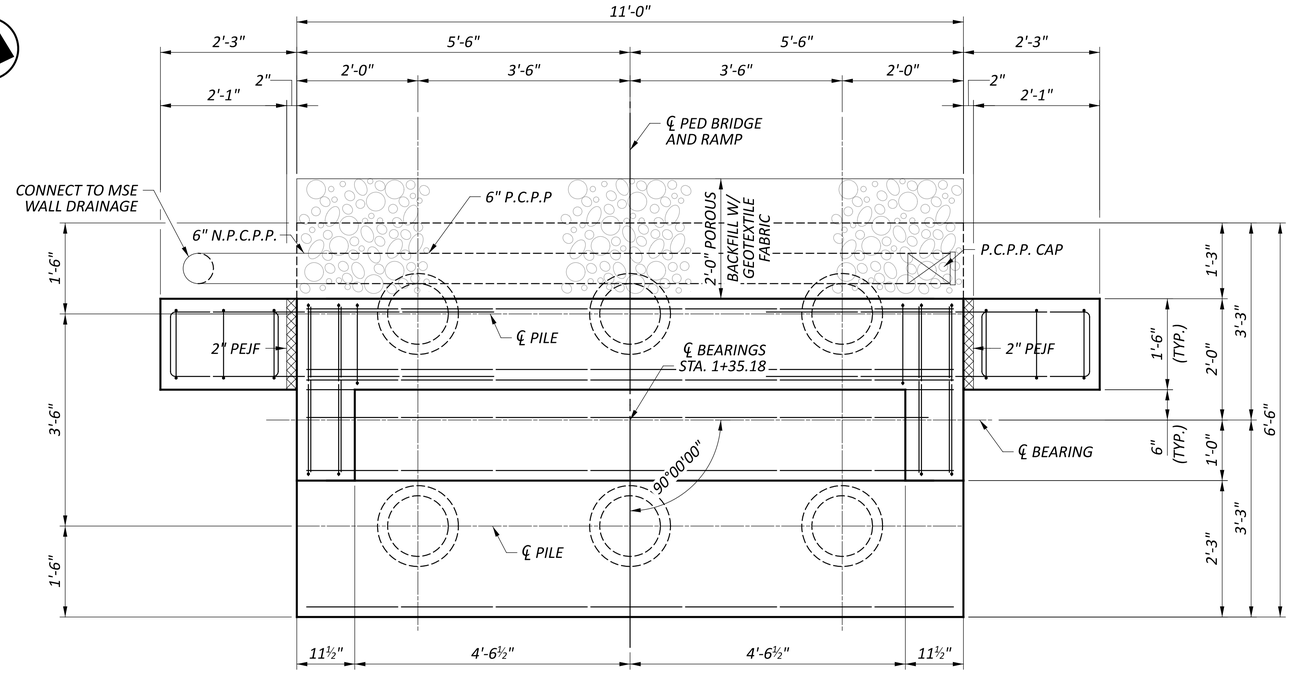
ESTIMATED QUANTITIES
BRIDGE NO. HAM-75-0123E
PEDESTRIAN BRIDGE OVER RAMP V AND WINCHELL AVE.

SFN 3109152

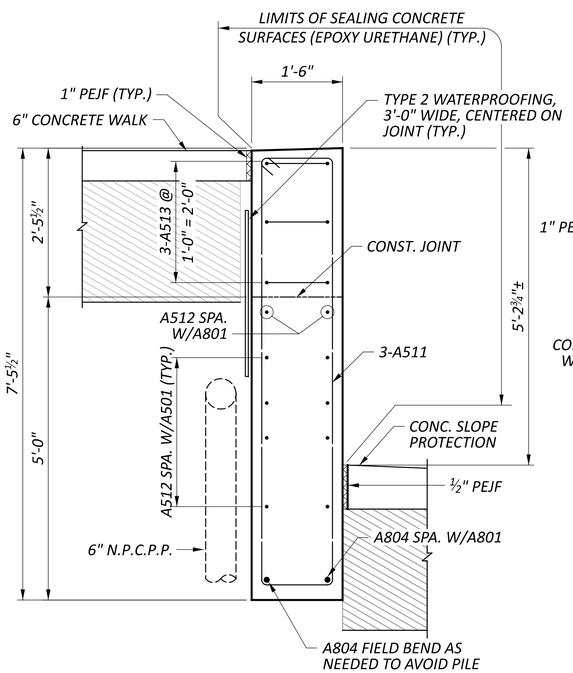
DESIGN AGENCY
Palmer ENGINEERING
8350 E. KEMPER ROAD
SUITE B
CINCINNATI, OH 45249
(513) 469-1600

DESIGNER CDVK | CHECKER BJF
REVIEWER BJF 04/11/25
PROJECT ID 122048
SUBSET 3 | TOTAL 22
SHEET P.333 | TOTAL P.421

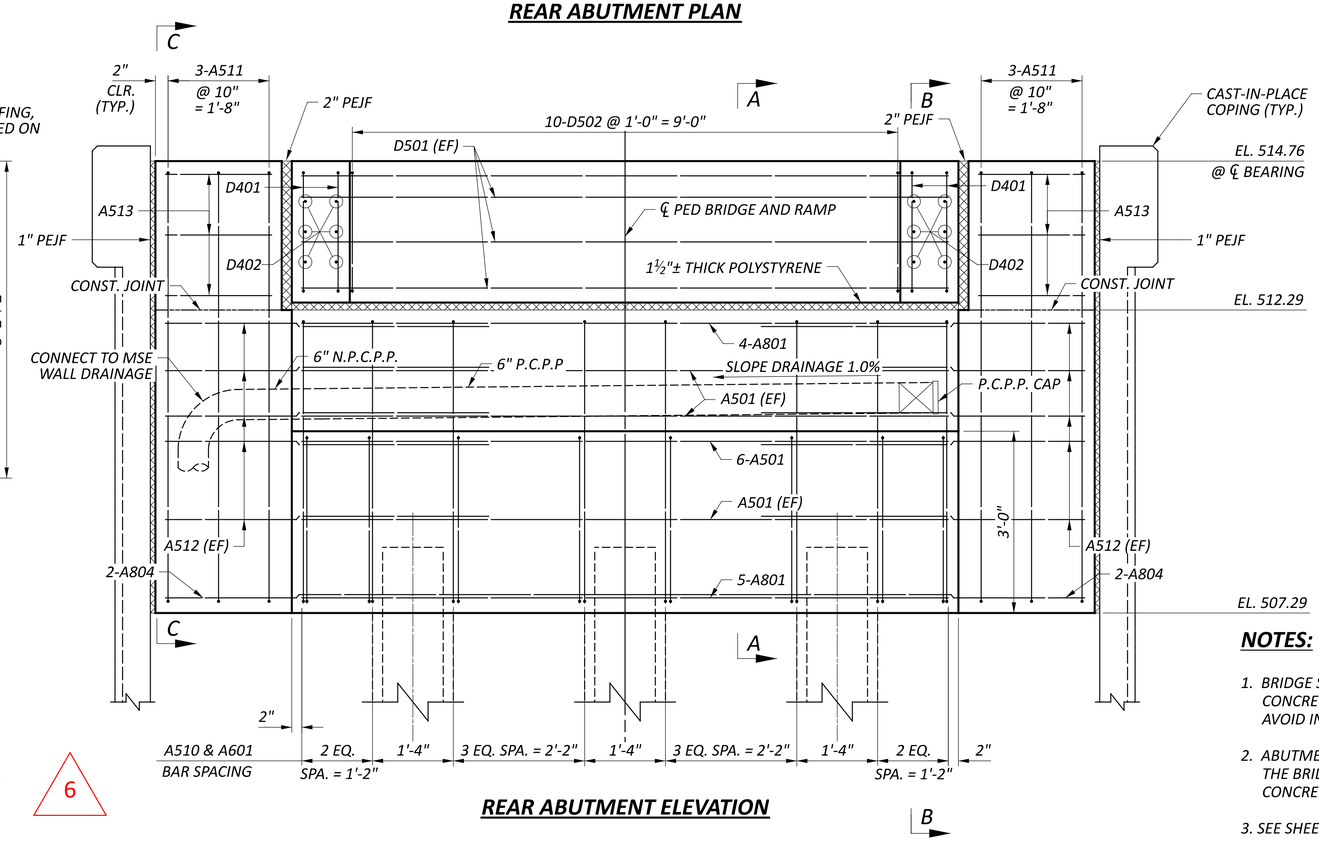
HAM-IR75-1.05



REAR ABUTMENT PLAN



SECTION C-C



REAR ABUTMENT ELEVATION

LEGEND

ITEM 840 - SELECT GRANULAR BACKFILL, APP (2'-0" MIN. DEPTH)

6

NOTES:

1. BRIDGE SEAT REINFORCEMENT, SETTING ANCHORS: ACCURATELY PLACE CONCRETE REINFORCEMENT IN THE VICINITY OF THE BRIDGE SEAT TO AVOID INTERFERENCE WITH DRILLING OF ANCHOR BAR HOLES.
2. ABUTMENT CONCRETE: DO NOT PLACE ABUTMENT CONCRETE ABOVE THE BRIDGE SEAT CONSTRUCTION JOINT UNTIL THE PRESTRESSED CONCRETE BOX BEAMS HAVE BEEN ERECTED.
3. SEE SHEET 5 22 FOR SECTION VIEWS.

REAR ABUTMENT PLAN AND ELEVATION
BRIDGE NO. HAM-75-0123E
PEDESTRIAN BRIDGE OVER RAMP V AND WINCHELL AVE.

SFN	3109152
DESIGN AGENCY	Palmer Engineering, 8350 E. KEMPER ROAD SUITE B CINCINNATI, OH 45249 (513) 469-1600
DESIGNER	RJB
CHECKER	TES
REVIEWER	BJF 04/11/25
PROJECT ID	122048
SUBSET	4
TOTAL	22
SHEET	P.334
TOTAL	P.421

HAM-IR75-1.05

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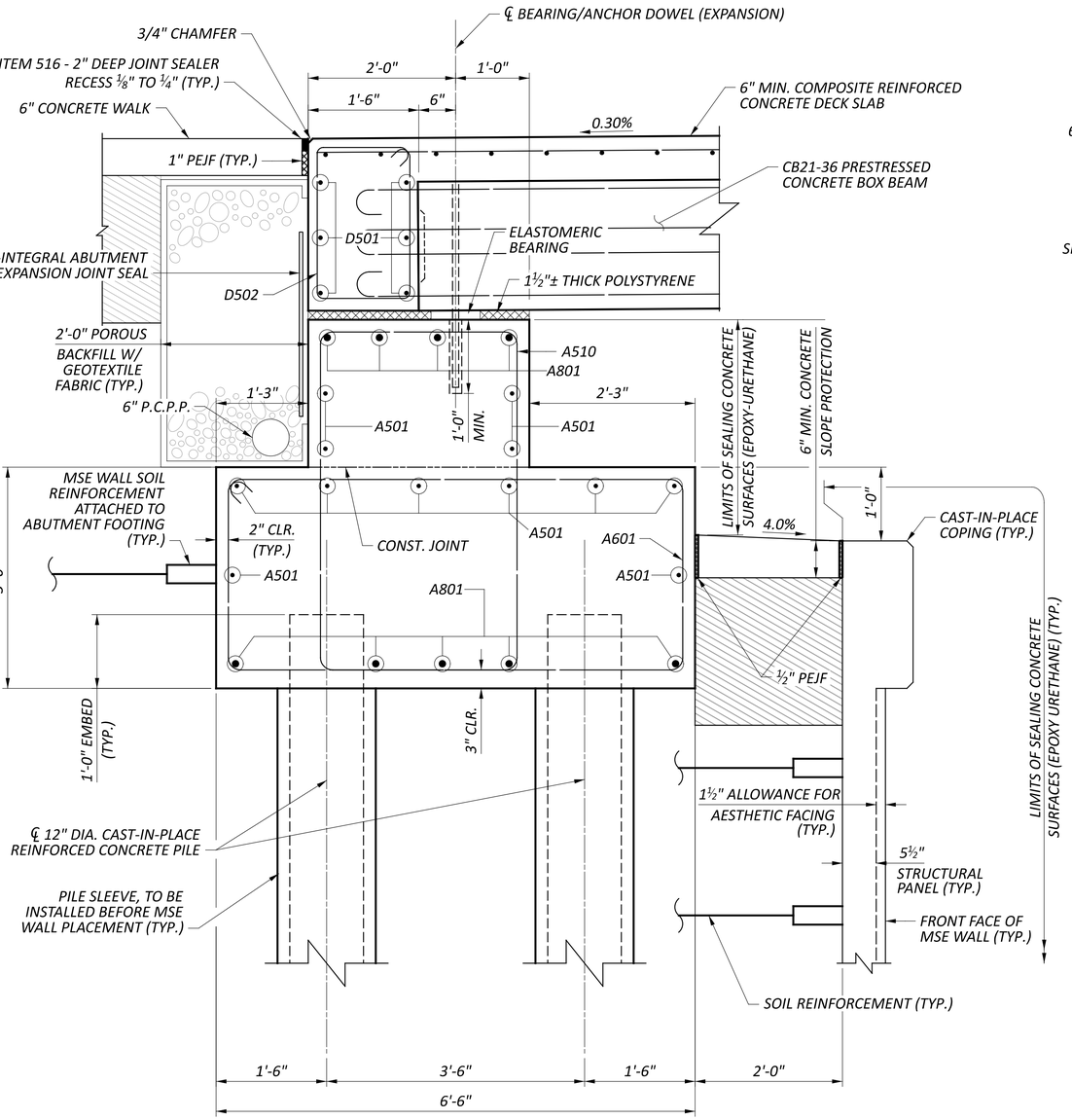
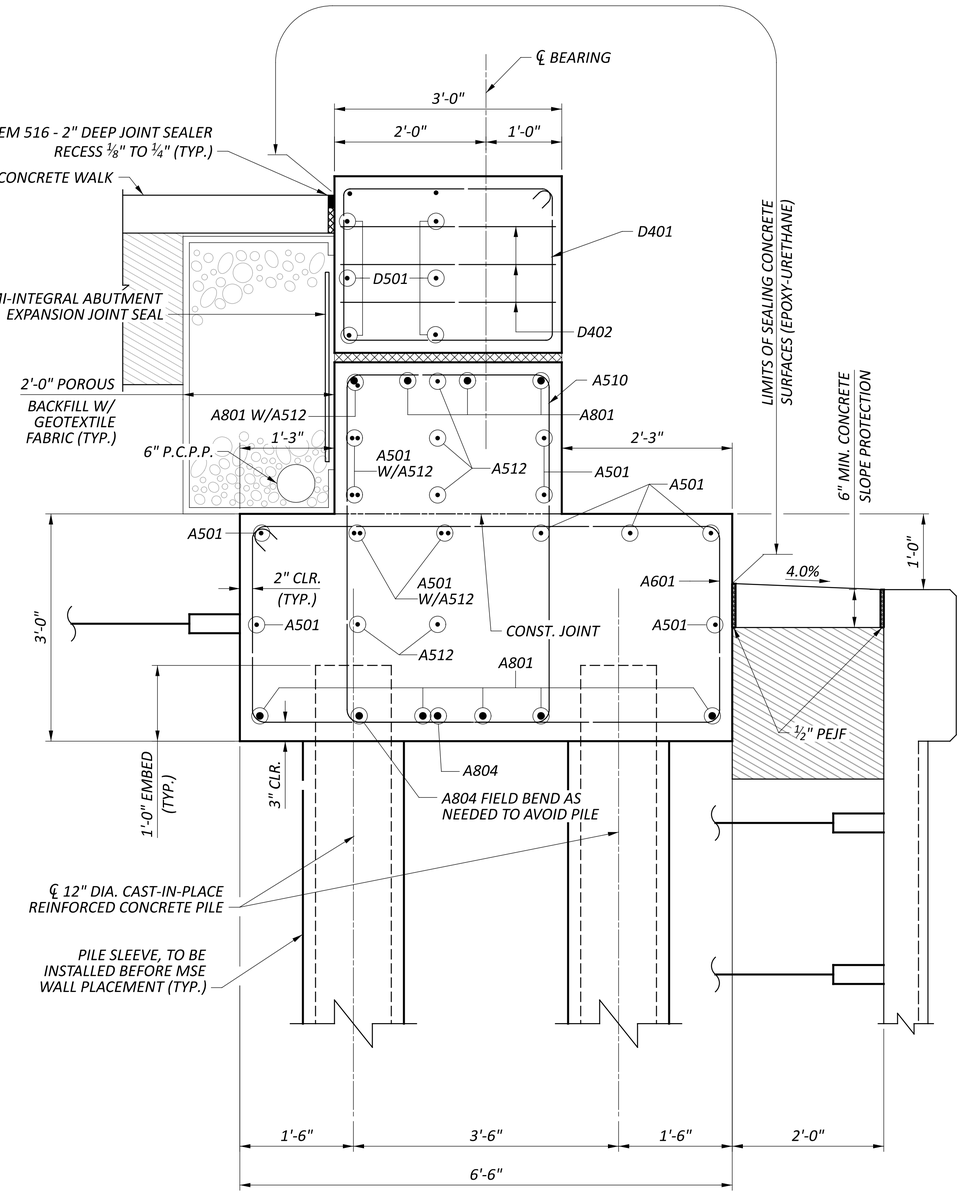


SECTION A-A



SECTION B-B

LEGEND

ITEM 840 - SELECT GRANULAR BACKFILL, APP
(2'-0" MIN. DEPTH)

6

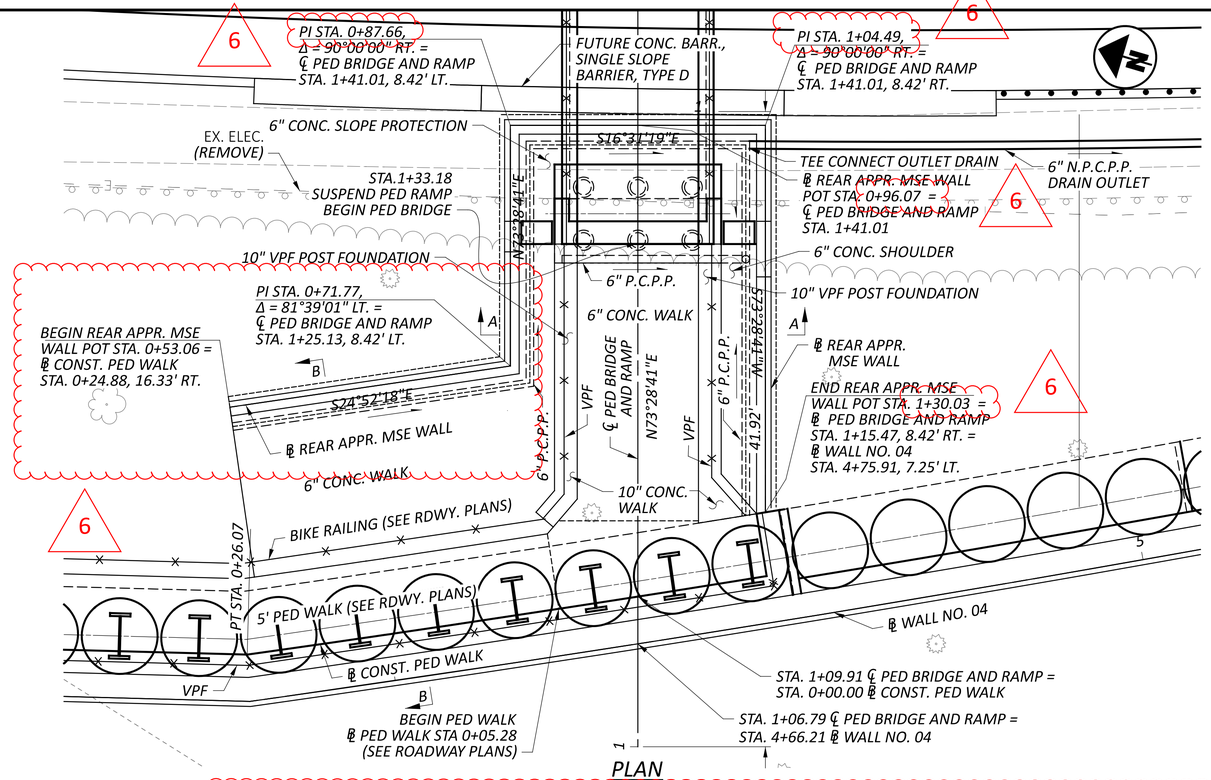
NOTES:

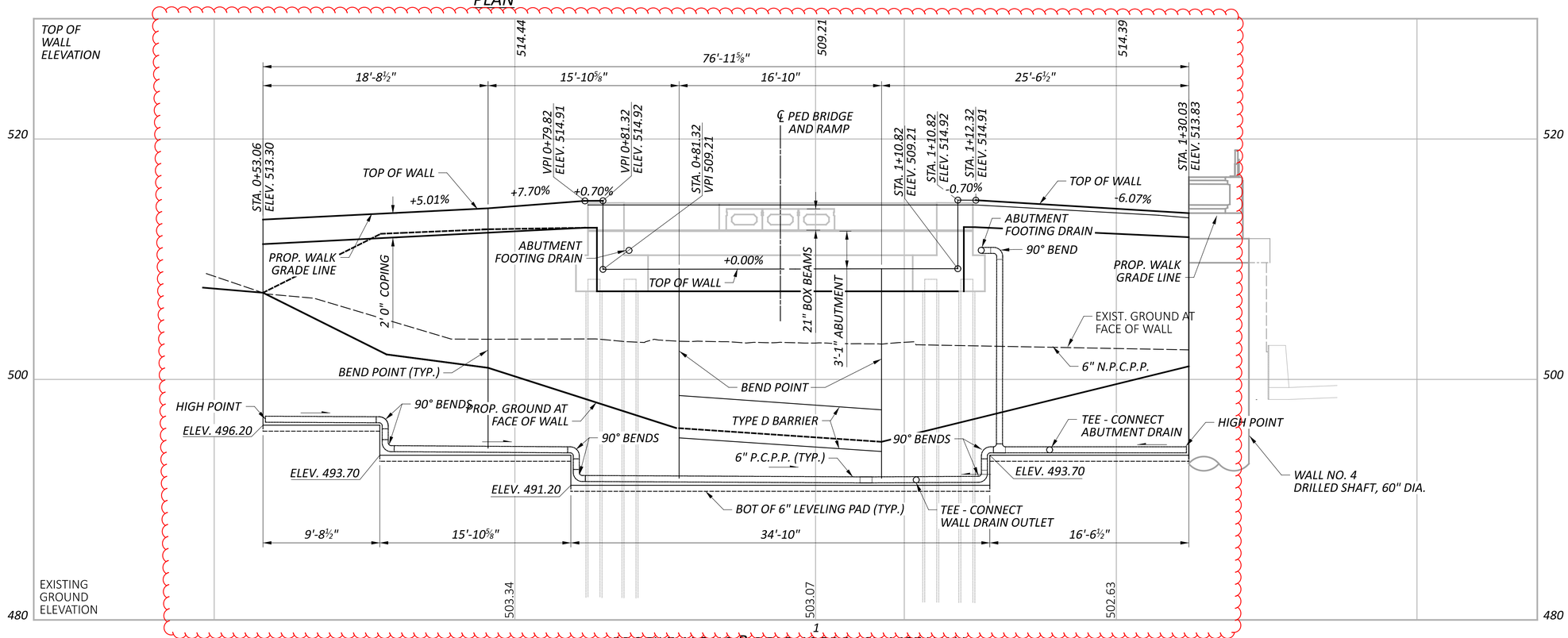
1. SEE SHEET 4 22 FOR ELEVATION VIEWS.

REAR ABUTMENT SECTION
BRIDGE NO. HAM-75-0123E
PEDESTRIAN BRIDGE OVER RAMP V AND WINCHELL AVE.

SFN	3109152
DESIGN AGENCY	Palmer ENGINEERING, 8350 E. KEMPER ROAD SUITE B CINCINNATI, OH 45249 (513) 469-1600
DESIGNER	RJB
CHECKER	TES
REVIEWER	BJF 04/11/25
PROJECT ID	122048
SUBSET	5
TOTAL	22
SHEET	P.335
TOTAL	P.421

HAM-IR75-1.05





PROFILE ALONG ℄ REAR APPROACH MSE WALL

BENCHMARK DATA

BM #1 STA.	63+71.02 ,	ELEV.	491.77 ,	OFFSET	308.82' LT.,	IRON PIN
BM #2 STA.	63+92.86 ,	ELEV.	492.97 ,	OFFSET	251.23' LT.,	MAG SPIKE
BM #3 STA.	63+56.30 ,	ELEV.	490.92 ,	OFFSET	106.06' LT.,	MAG SPIKE

FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET P.2

NOTES

EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

HORIZONTAL SCALE IN FEET 0 2.5 5 10

WALL PLAN AND ELEVATION REAR APPROACH MSE WALL ALONG WEST APPROACH TO PEDESTRIAN BRIDGE

DESIGN AGENCY
Palmer ENGINEERING
8350 E. KEMPER ROAD
SUITE B
CINCINNATI, OH 45249
(513) 469-1600

DESIGNER RJB
REVIEWER BJF 04/11/25
PROJECT ID 122048
SUBSET 6 TOTAL 22
SHEET P.336 TOTAL P.421

HAM-IR75-1.05

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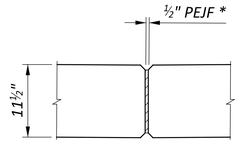
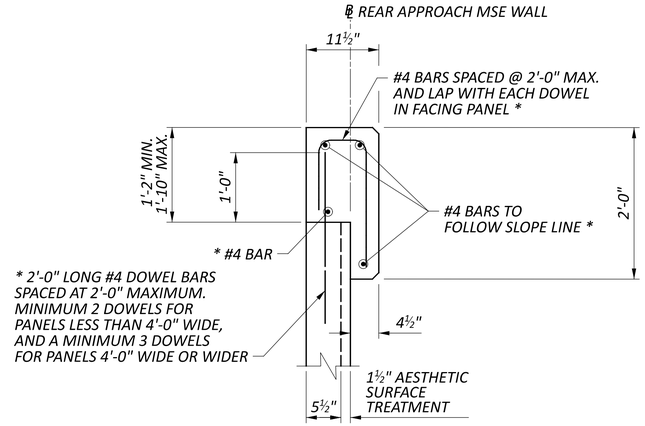


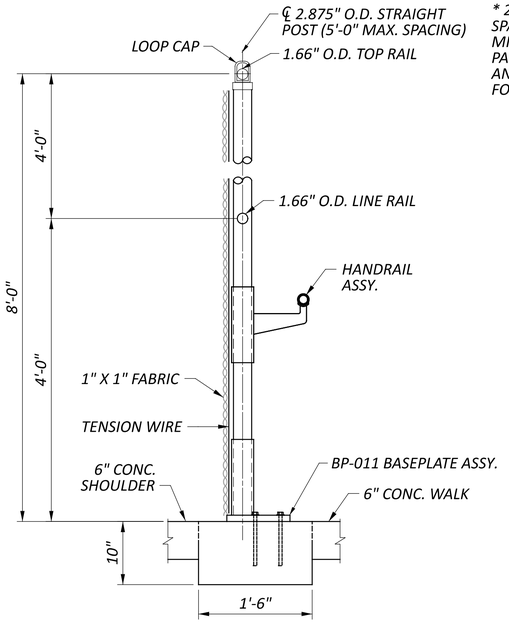
MSE WALL COPING JOINT DETAIL

(MAX. JOINT SPACING IS 20'-0")
*INCLUDE WITH ITEM 840 - CONCRETE COPING

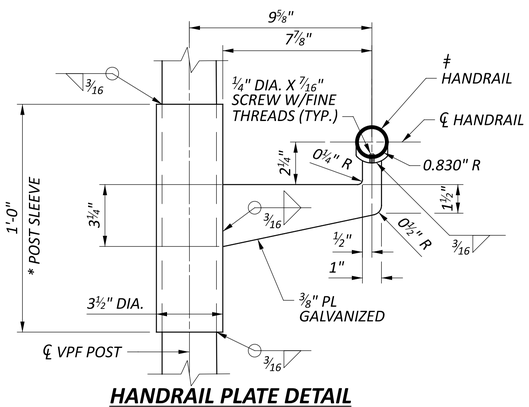


MSE WALL COPING TYPICAL SECTION

(ALL REINFORCING STEEL TO BE GALVANIZED)
* - INCLUDED WITH CONCRETE COPING FOR PAYMENT



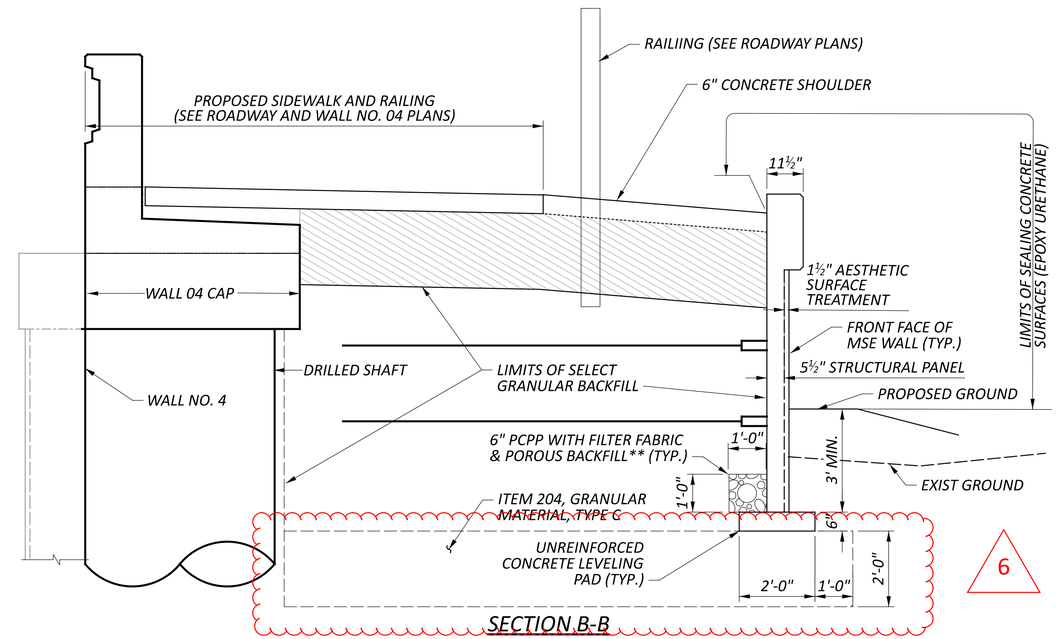
POST AND FOUNDATION SECTION



HANDRAIL PLATE DETAIL

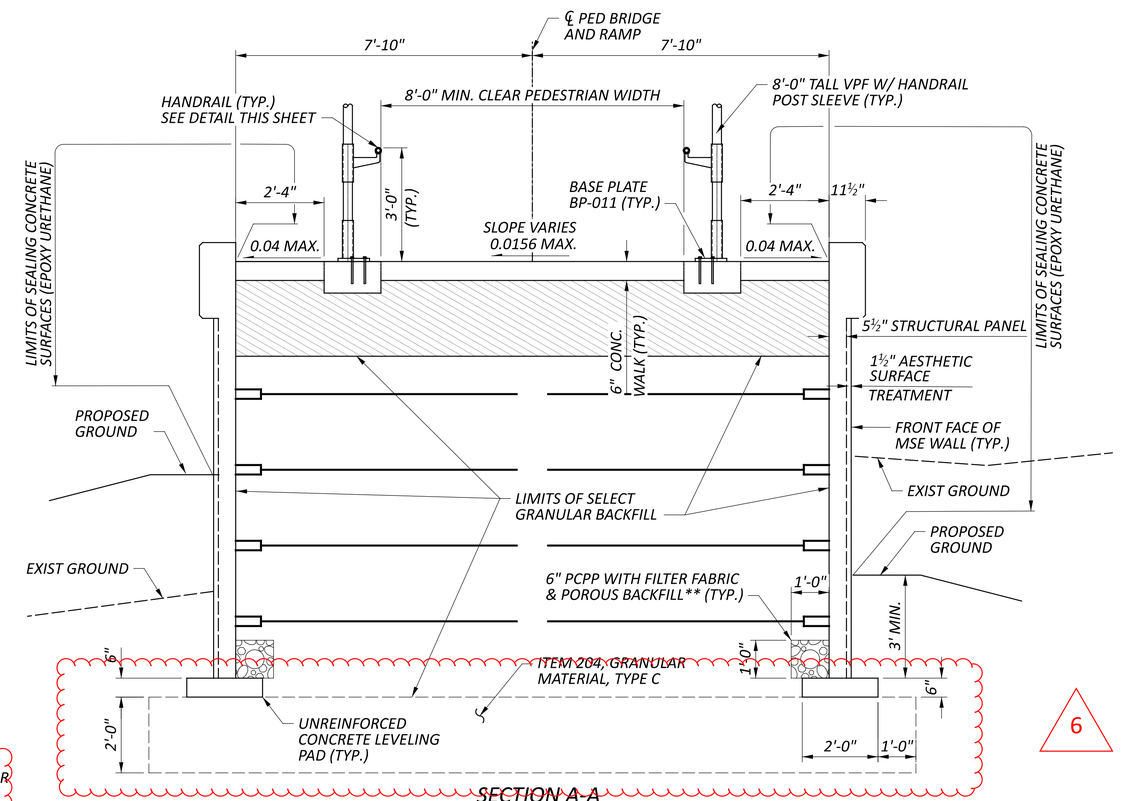
*
POST SLEEVES SHALL BE 3.5 INCH OUTSIDE DIAMETER PIPE, ASTM A53, 35,000 PSI MINIMUM YIELD STRENGTH, 7.58 LB/FT, GALVANIZED ACCORDING TO 711.02.

‡
HANDRAIL SHALL BE SWEDGED END PIPE 1.660 " O.D. PER C&MS 710.03 TYPE I GRADE 2 - FY = 50 KSI.



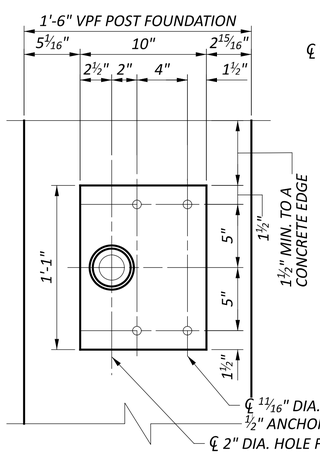
SECTION B-B

REAR APPROACH - EXTENSION ALONG WALL 04

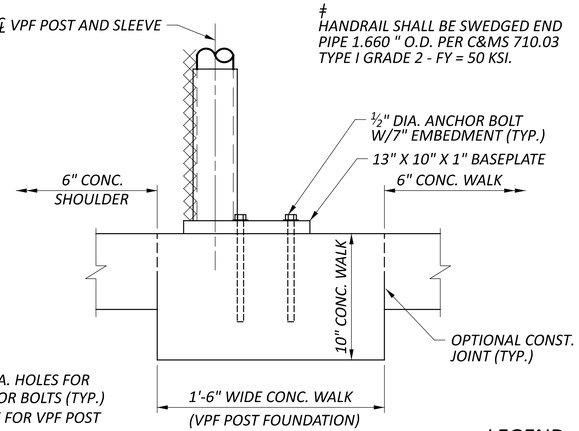


SECTION A-A

REAR APPROACH



PLAN - BP-011 BASEPLATE ASSY.



ELEVATION - BP-011 BASEPLATE ASSY.

6

NOTE:
SEE SCD VPF-1-24 , SHEET 14/22 AND SHEET 20/22 FOR ADDITIONAL VANDAL PROTECTION FENCE AND BASE PLATE BP-011 DETAILS.

LEGEND

ITEM 840 - SELECT GRANULAR BACKFILL, AS PER PLAN (2'-0" MIN. DEPTH)

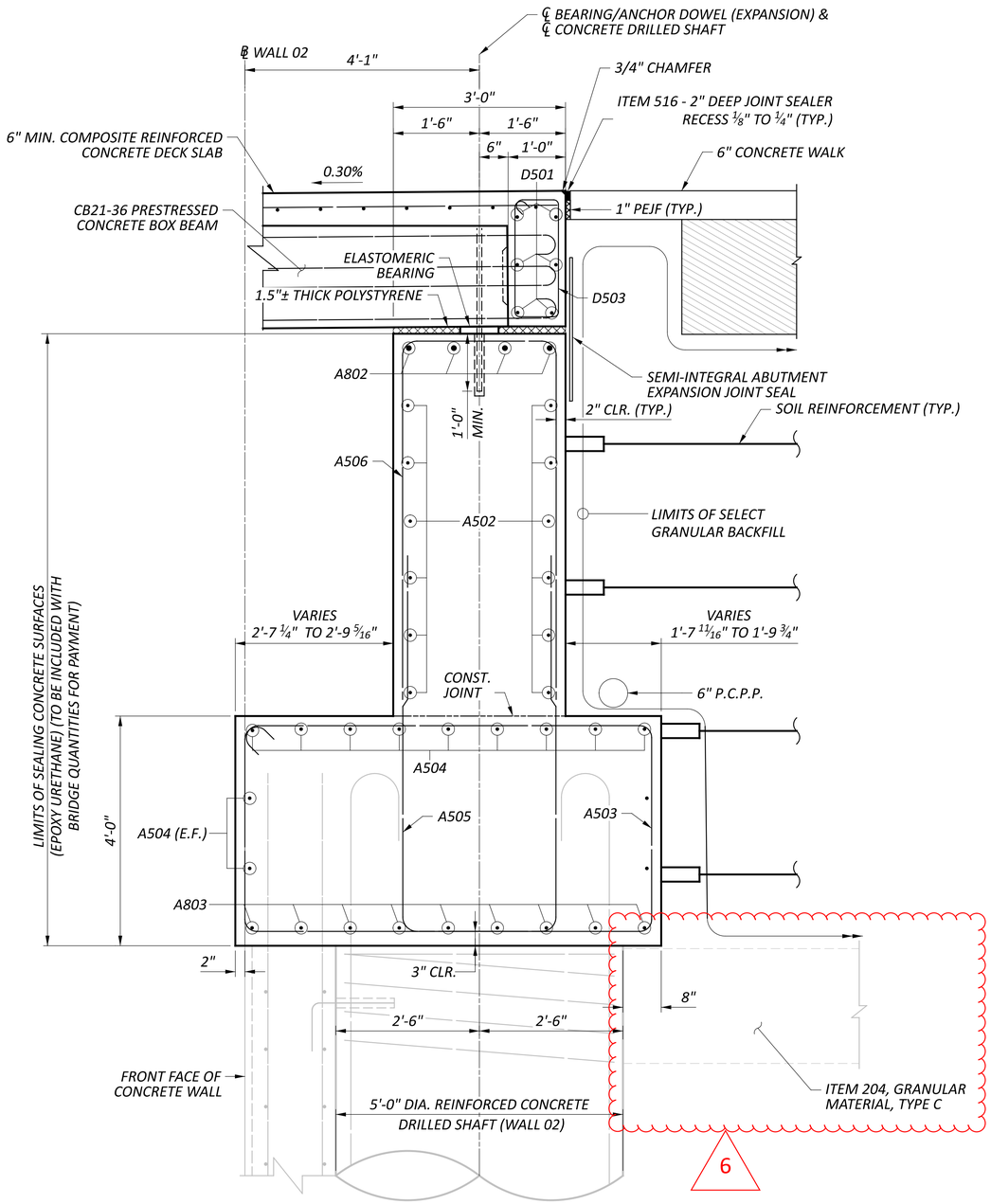
** TO BE INCLUDED WITH MSE WALL P.C.P.P. FOR PAYMENT

MSE WALL DETAILS - REAR ABUTMENT
BRIDGE NO. HAM-75-0123E
PEDESTRIAN BRIDGE OVER RAMP V AND WINCHELL ACE.

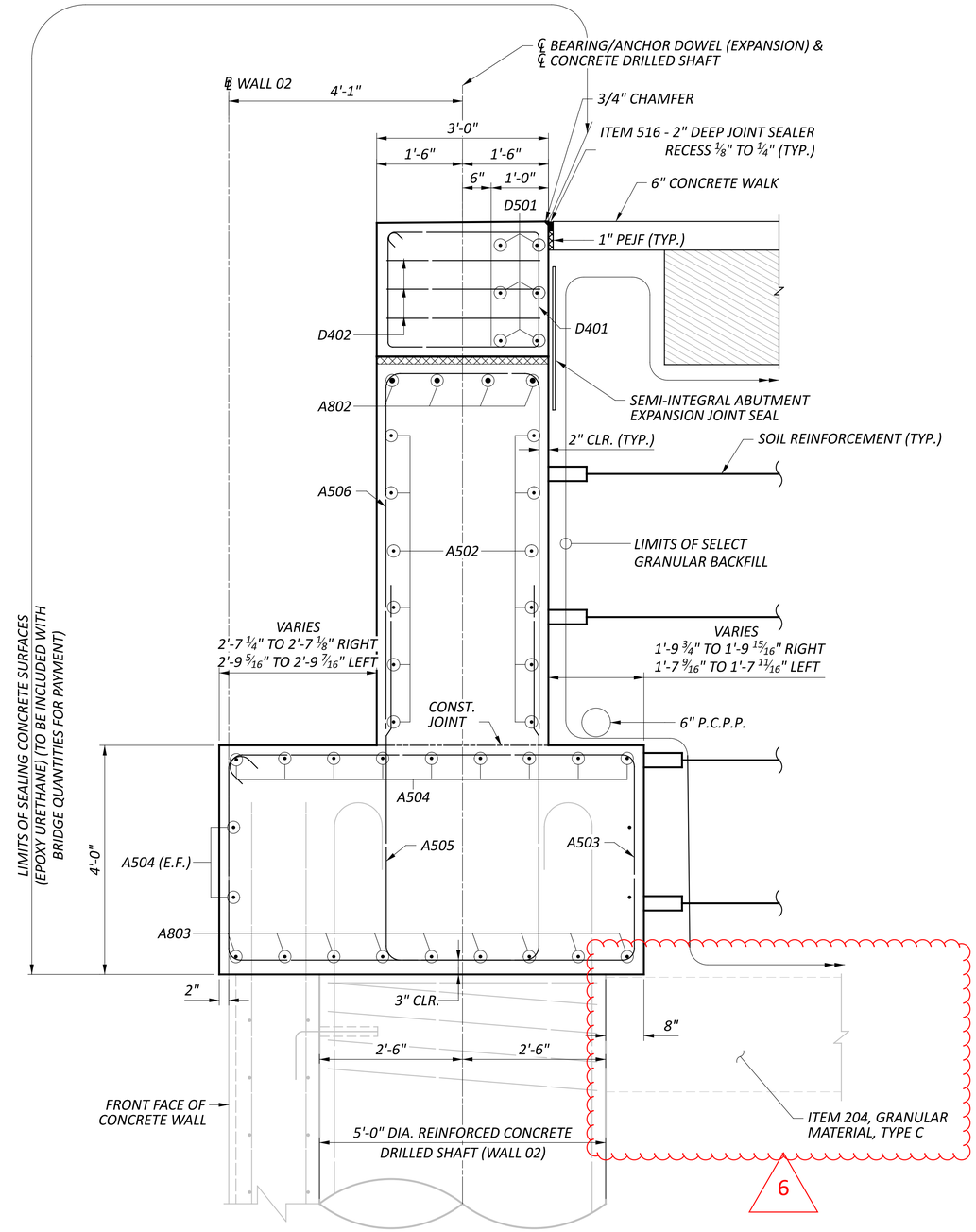
DESIGN AGENCY
Palmer ENGINEERING
8350 E. KEMPER ROAD
SUITE B
CINCINNATI, OH 45249
(513) 469-1600

DESIGNER	
RJB	
REVIEWER	
BJF	04/11/25
PROJECT ID	
122048	
SUBSET	TOTAL
7	22
SHEET	TOTAL
P.337	P.421

HAM-IR75-1.05



SECTION A-A



SECTION B-B

6

LEGEND

ITEM 840 - SELECT GRANULAR BACKFILL, APP
(2'-0" MIN. DEPTH)

LAP SPLICES:

#5 = 2'-0" (GALVANIZED)

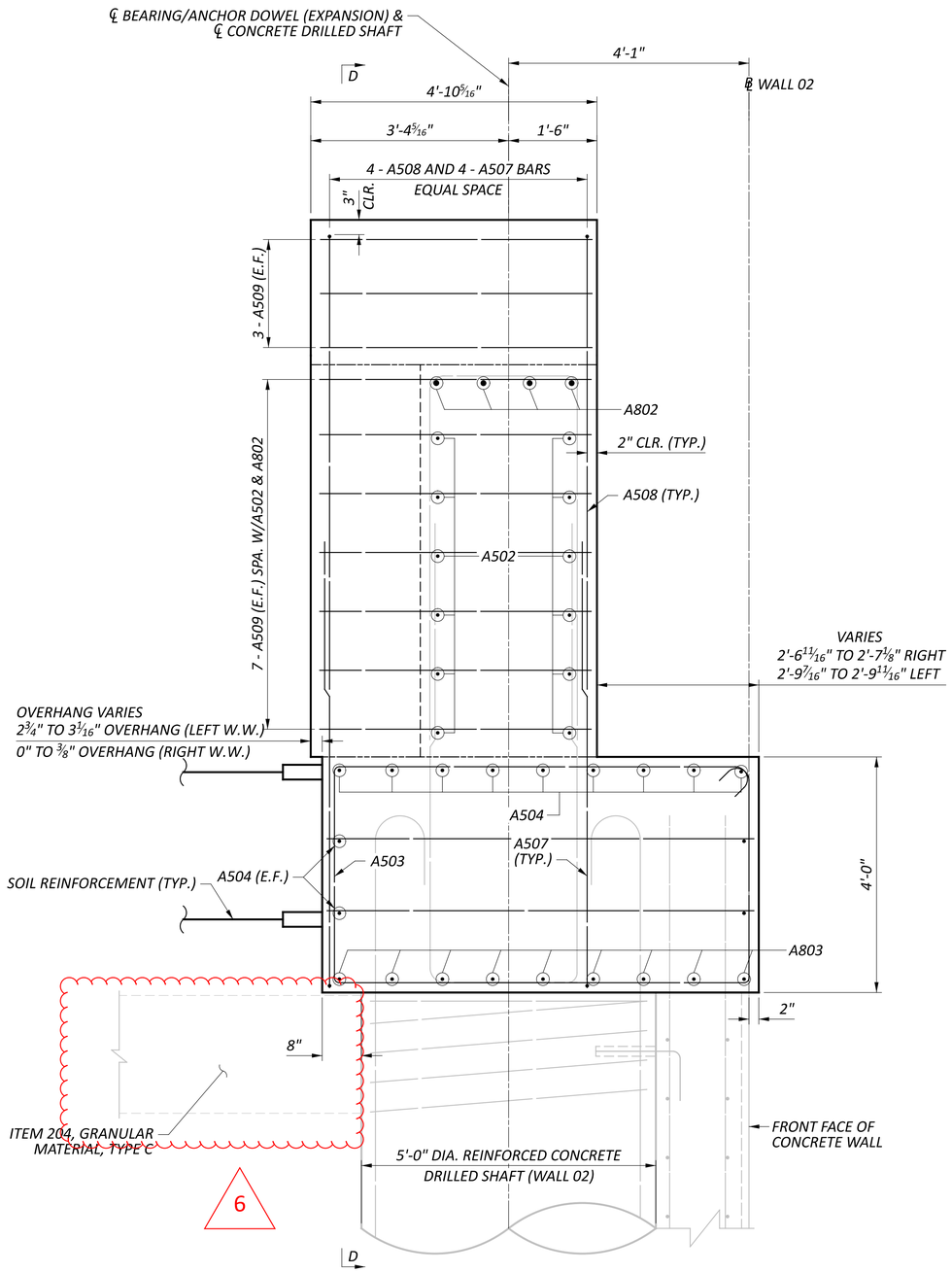
NOTES:

1. SEE SHEET 8 22 FOR PLAN AND ELEVATION VIEWS.
2. SEE SHEET P.183 FOR WALL 02 DETAILS AND REINFORCING.

FORWARD ABUTMENT SECTION
BRIDGE NO. HAM-75-0123E
PEDESTRIAN BRIDGE OVER RAMP V AND WINCHELL AVE.

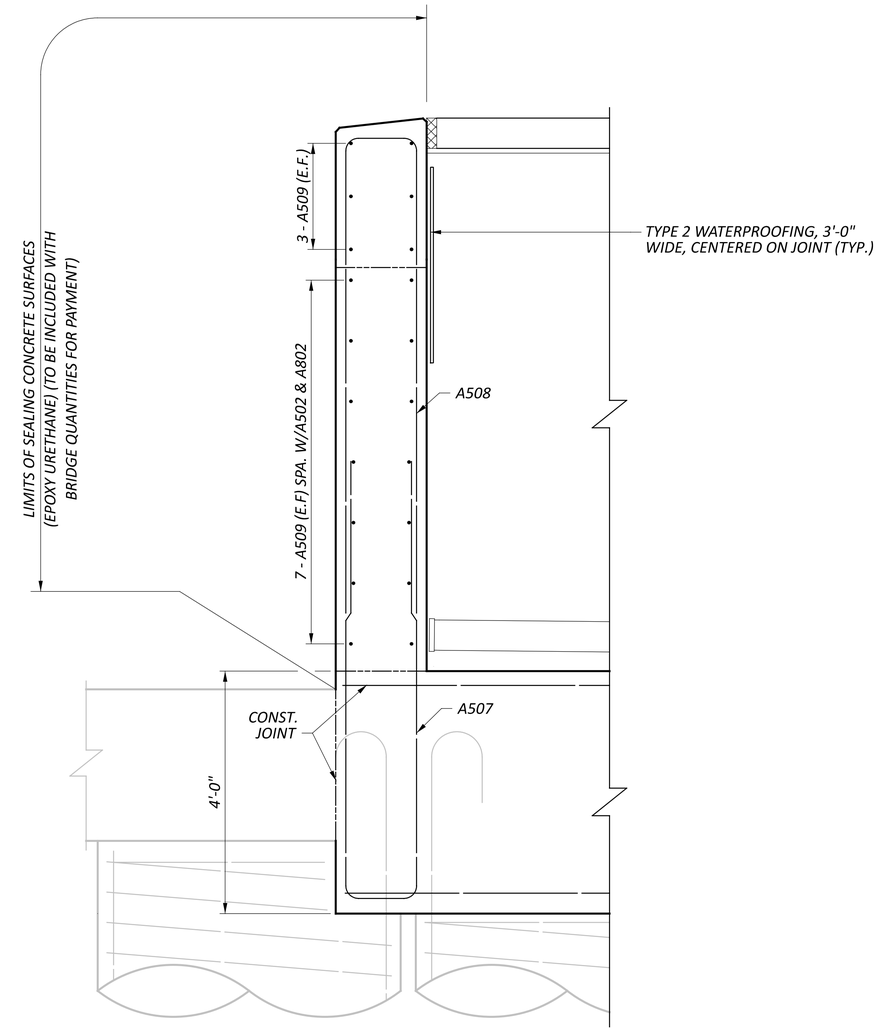
SFN 3109152	
DESIGN AGENCY	
Palmer ENGINEERING 8350 E. KEMPER ROAD SUITE B CINCINNATI, OH 45249 (513) 469-1600	
DESIGNER RJB	CHECKER TES
REVIEWER BJF 04/11/25	
PROJECT ID 122048	
SUBSET 9	TOTAL 22
SHEET P.339	TOTAL P.421

HAM-IR75-1.05



VIEW C-C

LEFT WINGWALL SHOWN
RIGHT WINGWALL SIMILAR



SECTION D-D

LEFT WINGWALL SHOWN
RIGHT WINGWALL SIMILAR
(SEE ELEVATION VIEW FOR FOOTING DETAILS)

LAP SPLICES:

#5 = 2'-6"

NOTES:

1. SEE SHEET 8 22 FOR PLAN AND ELEVATION VIEWS.
2. SEE SHEET P.183 FOR WALL 02 DETAILS AND REINFORCING.

FORWARD ABUTMENT WINGWALL DETAILS
BRIDGE NO. HAM-75-0123E
PEDESTRIAN BRIDGE OVER RAMP V AND WINCHELL AVE.

SFN 3109152

DESIGN AGENCY
Palmer ENGINEERING
8350 E. KEMPER ROAD
SUITE B
CINCINNATI, OH 45249
(513) 469-1600

DESIGNER	CHECKER
RJB	TES

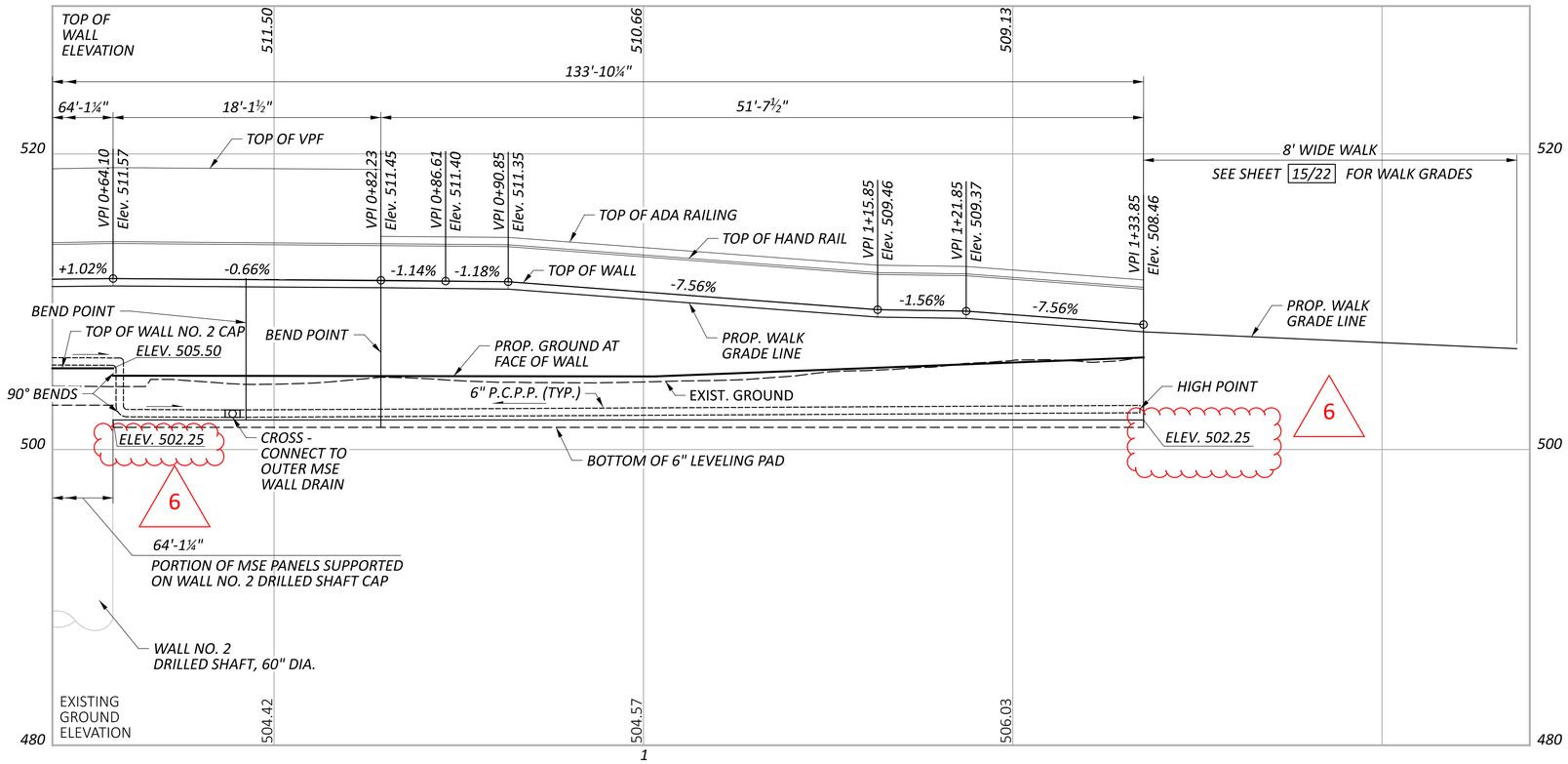
REVIEWER
BJF 04/11/25

PROJECT ID
122048

SUBSET	TOTAL
10	22

SHEET	TOTAL
P.340	P.421

HAM-IR75-1.05



PROFILE ALONG ℄ FORWARD APPROACH - OUTER MSE WALL

HORIZONTAL SCALE IN FEET
0 2.5 5 10

WALL PLAN AND ELEVATION (2 OF 2)
FWD. APPROACH OUTER MSE WALL
ALONG EAST APPROACH TO PEDESTRIAN BRIDGE

DESIGN AGENCY
Palmer ENGINEERING
8350 E. KEMPER ROAD
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(513) 469-1600

DESIGNER: RJB
REVIEWER: BJF 04/11/25
PROJECT ID: 122048
SUBSET: 12 | TOTAL: 22
SHEET: P.342 | TOTAL: P.421

HAM-IR75-1.05

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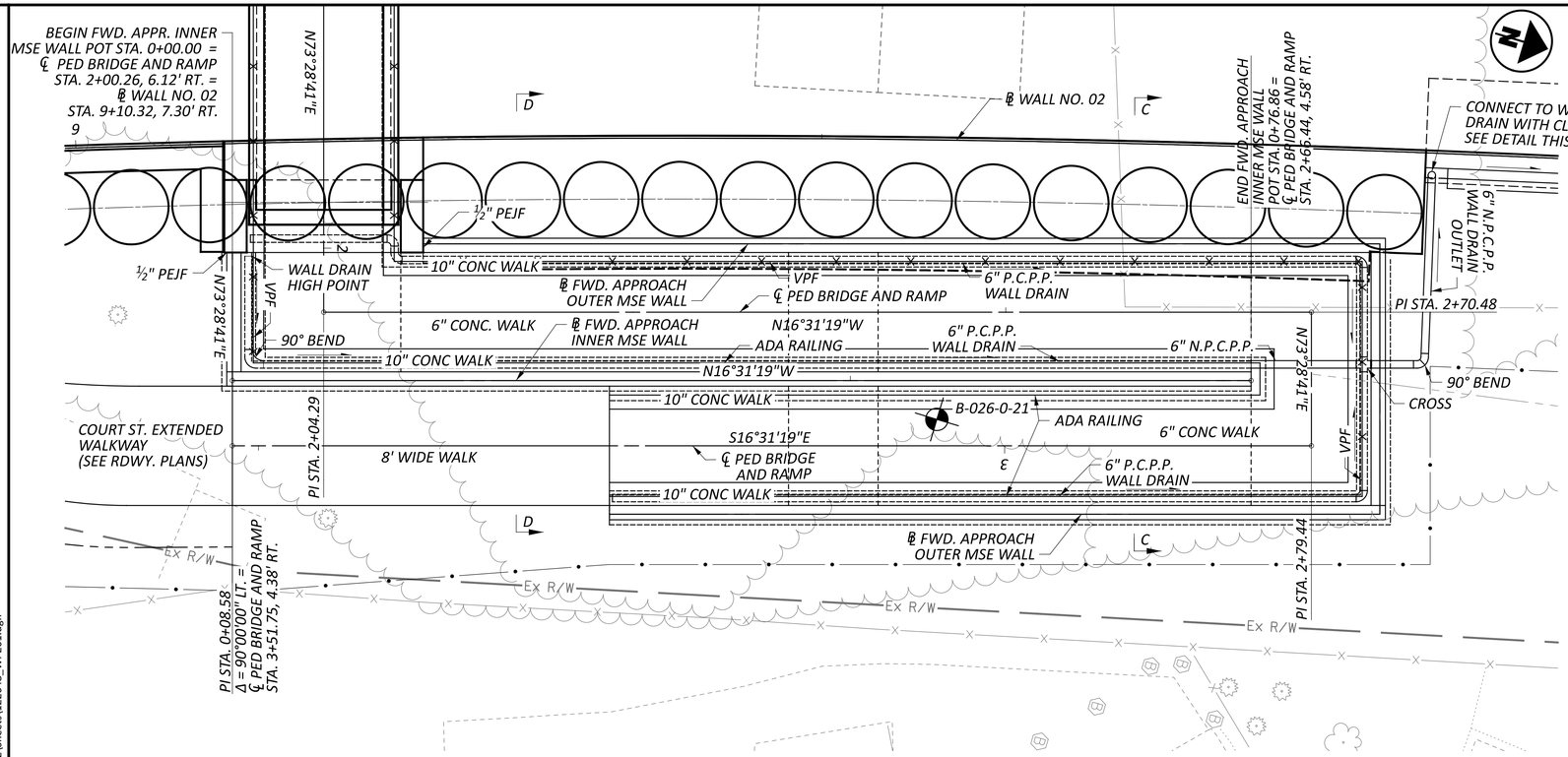


BENCHMARK DATA

BM #1 STA. 63+71.02 ,	ELEV. 491.77 ,	OFFSET 308.82' LT.,	IRON PIN
BM #2 STA. 63+92.86 ,	ELEV. 492.97 ,	OFFSET 251.23' LT.,	MAG SPIKE
BM #3 STA. 63+56.30 ,	ELEV. 490.92 ,	OFFSET 106.06' LT.,	MAG SPIKE

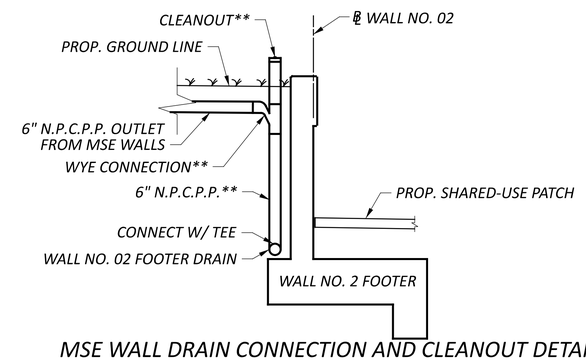
FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET P.2

NOTES

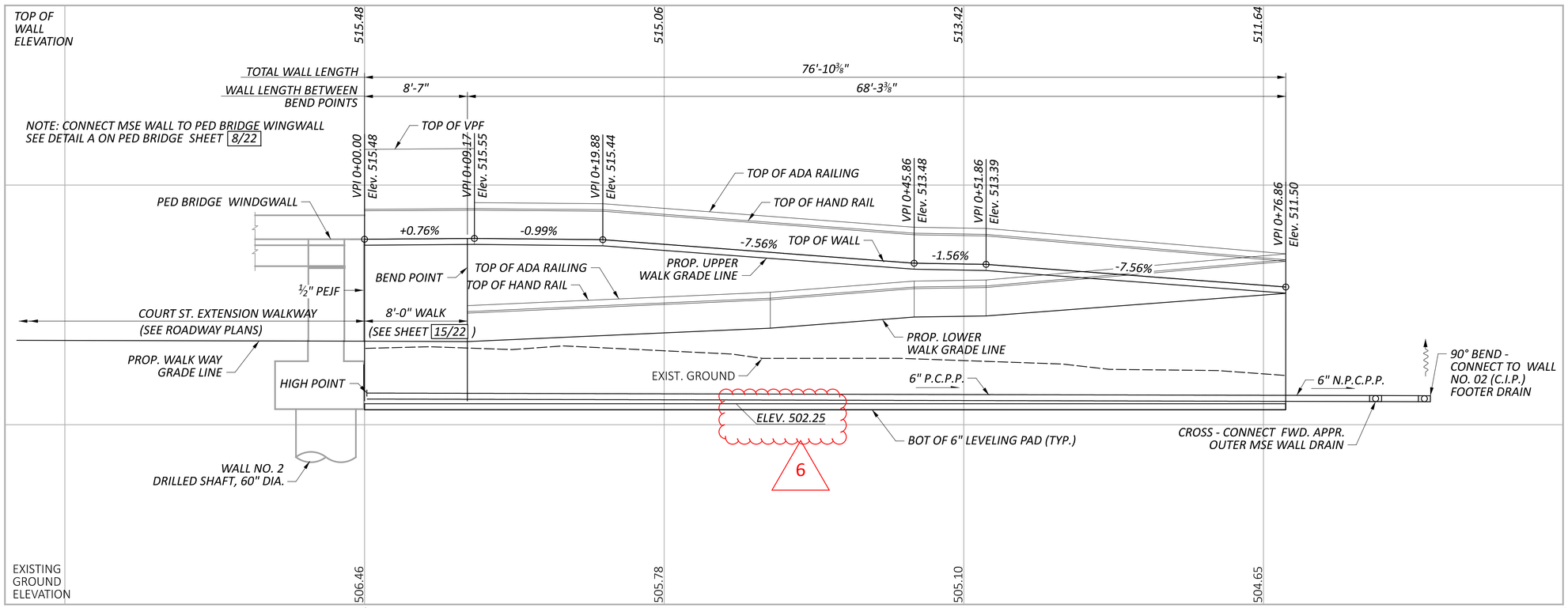
EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

LEGEND

PROJECT BORING LOCATION



MSE WALL DRAIN CONNECTION AND CLEANOUT DETAIL
**TO BE INCLUDED WITH ITEM 518 - 6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN



PROFILE ALONG ℄ INNER MSE WALL

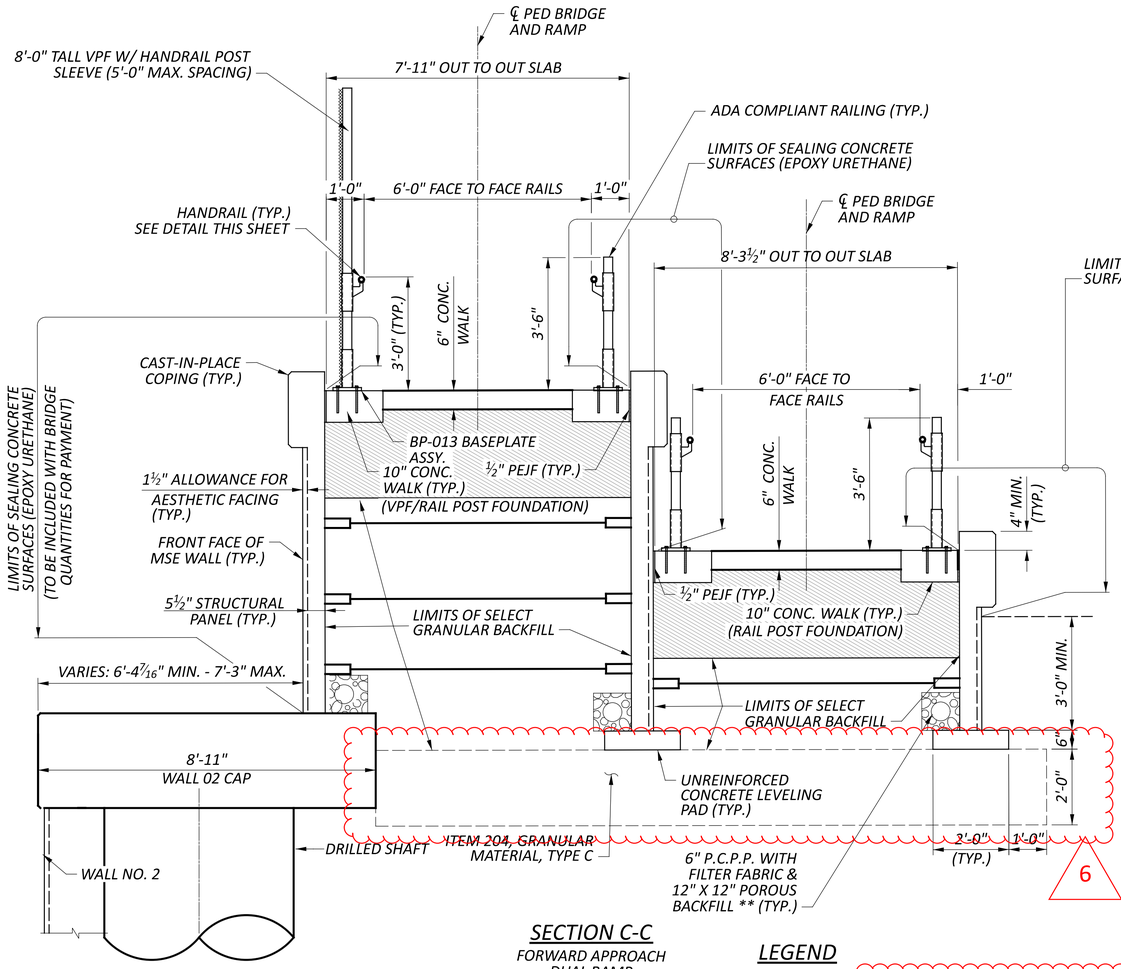
HORIZONTAL SCALE IN FEET 0 2.5 5 10

WALL PLAN AND ELEVATION FWD. APPROACH INNER MSE WALL ALONG EAST APPROACH TO PEDESTRIAN BRIDGE

DESIGN AGENCY
Palmer ENGINEERING
8350 E. KEMPER ROAD
SUITE B
CINCINNATI, OH 45249
(513) 469-1600

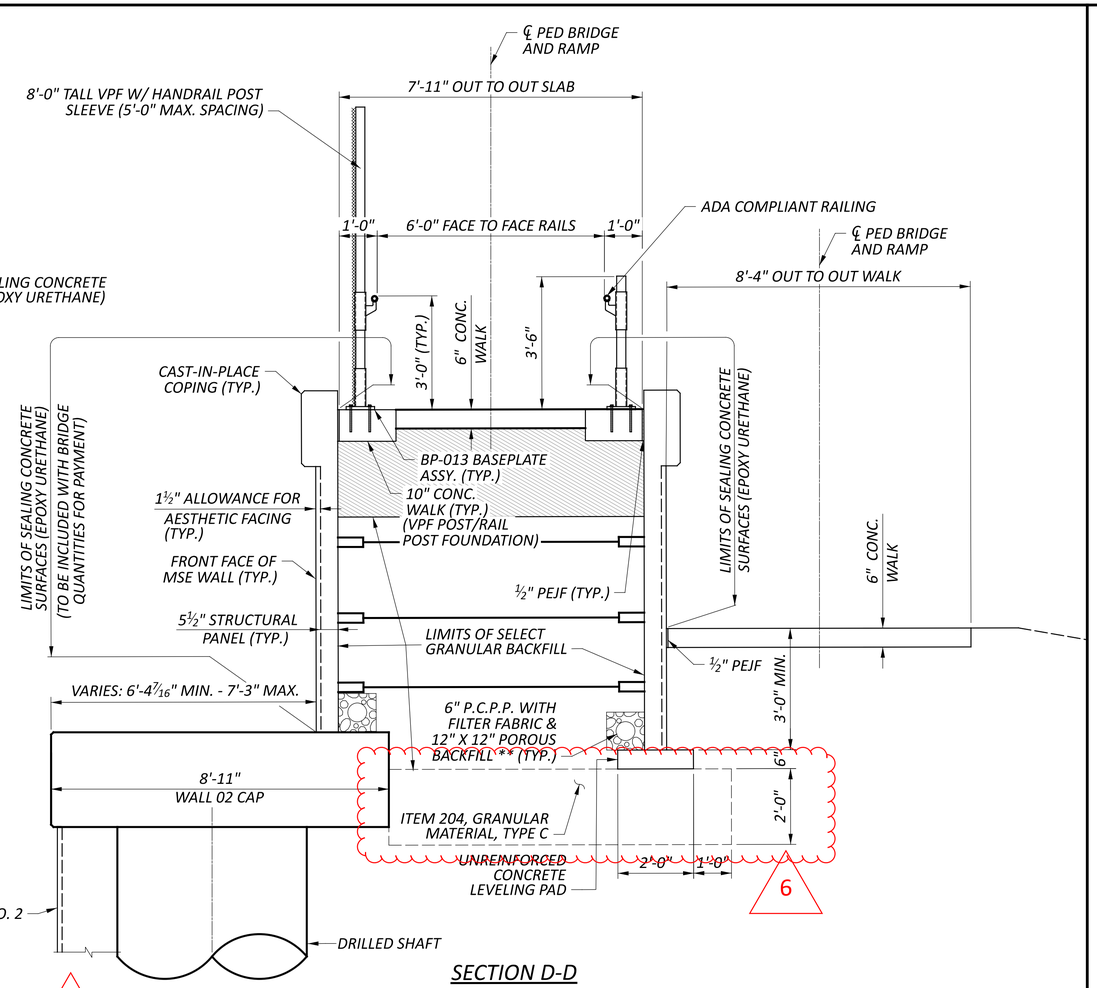
DESIGNER RJB
REVIEWER BJF 04/11/25
PROJECT ID 122048
SUBSET 13 TOTAL 22
SHEET P.343 TOTAL P.421

HAM-IR75-1.05



SECTION C-C

FORWARD APPROACH DUAL RAMP



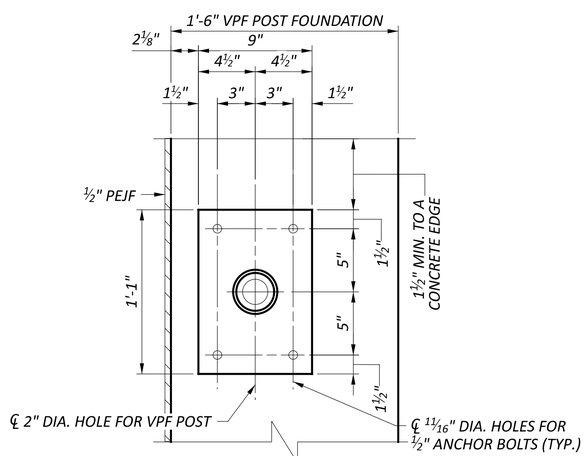
SECTION D-D

FORWARD APPROACH AT GRADE LANDING

LEGEND

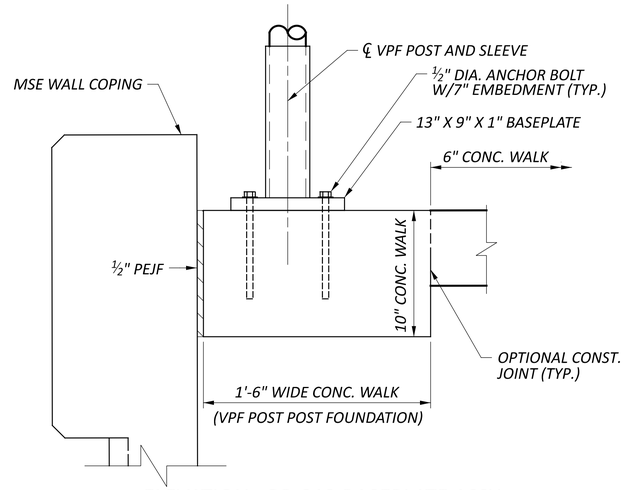
ITEM 840 - SELECT GRANULAR BACKFILL, APP (2'-0" MIN. DEPTH)

** TO BE INCLUDED WITH MSE WALL P.C.P.P. FOR PAYMENT

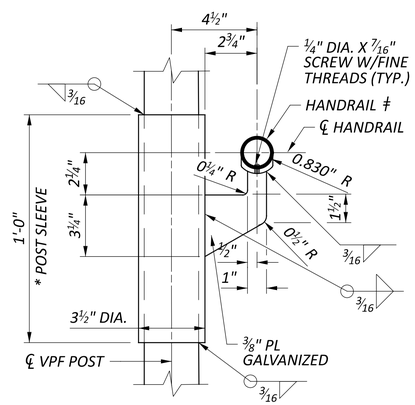


PLAN - BP-013 BASEPLATE ASSY.

NOTE:
SEE SCD VPF-1-24 , SHEET 7/22 AND SHEET 20/22 FOR ADDITIONAL VANDAL PROTECTION FENCE AND BASE PLATE BP-011 DETAILS. BASE PLATE SHALL BE 50 KSI GALVANIZED STEEL.



ELEVATION - BP-013 BASEPLATE ASSY.



HANDRAIL PLATE DETAIL

* POST SLEEVES SHALL BE 3.5 INCH OUTSIDE DIAMETER PIPE, ASTM A53, 35,000 PSI MINIMUM YIELD STRENGTH, 7.58 LB/FT, GALVANIZED ACCORDING TO 711.02.

ǂ HANDRAIL SHALL BE SWEDGED END PIPE 1.660 " O.D. PER C&MS 710.03 TYPE I GRADE 2 - FY = 50 KSI.

MSE WALL DETAILS - FORWARD ABUTMENT
BRIDGE NO. HAM-75-0123E
PEDESTRIAN BRIDGE OVER RAMP V AND WINCHELL AVE.

DESIGN AGENCY
Palmer ENGINEERING
8350 E. KEMPER ROAD
SUITE B
CINCINNATI, OH 45249
(513) 469-1600

DESIGNER	RJB
REVIEWER	BJF 04/11/25
PROJECT ID	122048
SUBSET	14
TOTAL	22
SHEET	P.344
TOTAL	P.421

HAM-IR75-1.05

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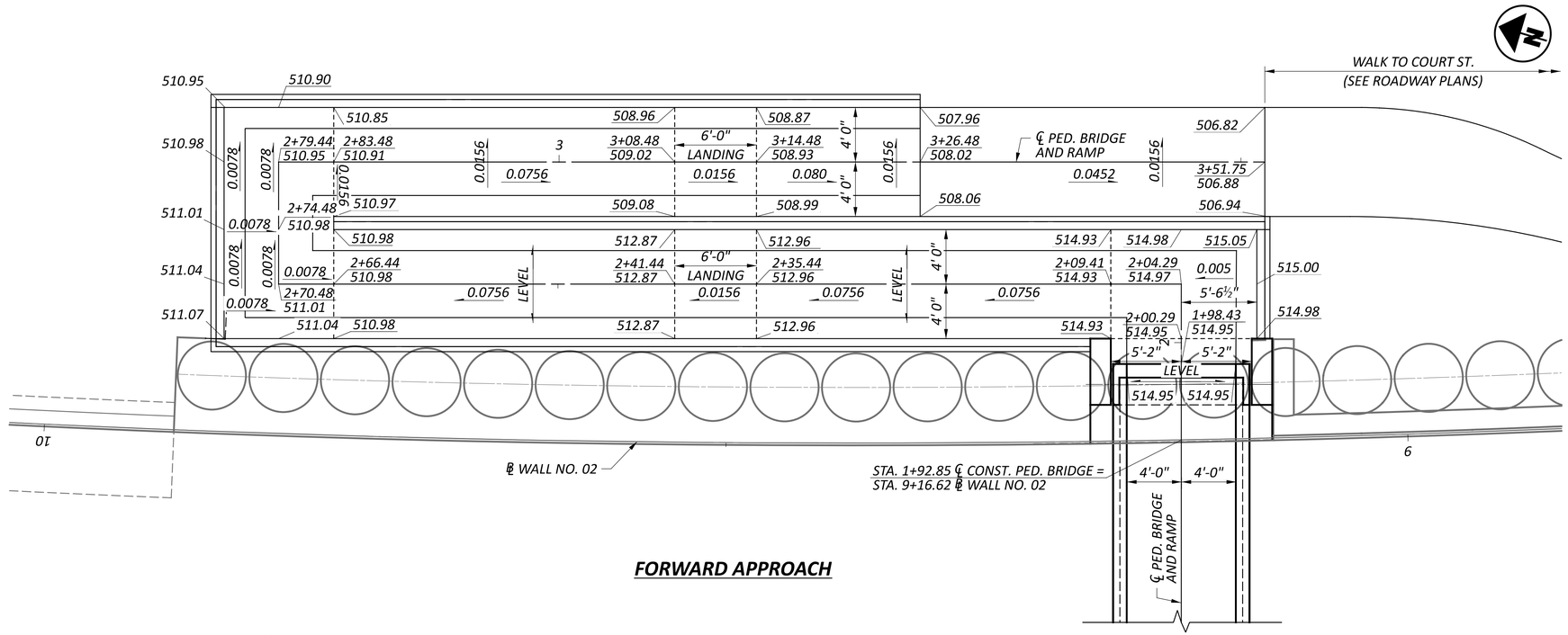
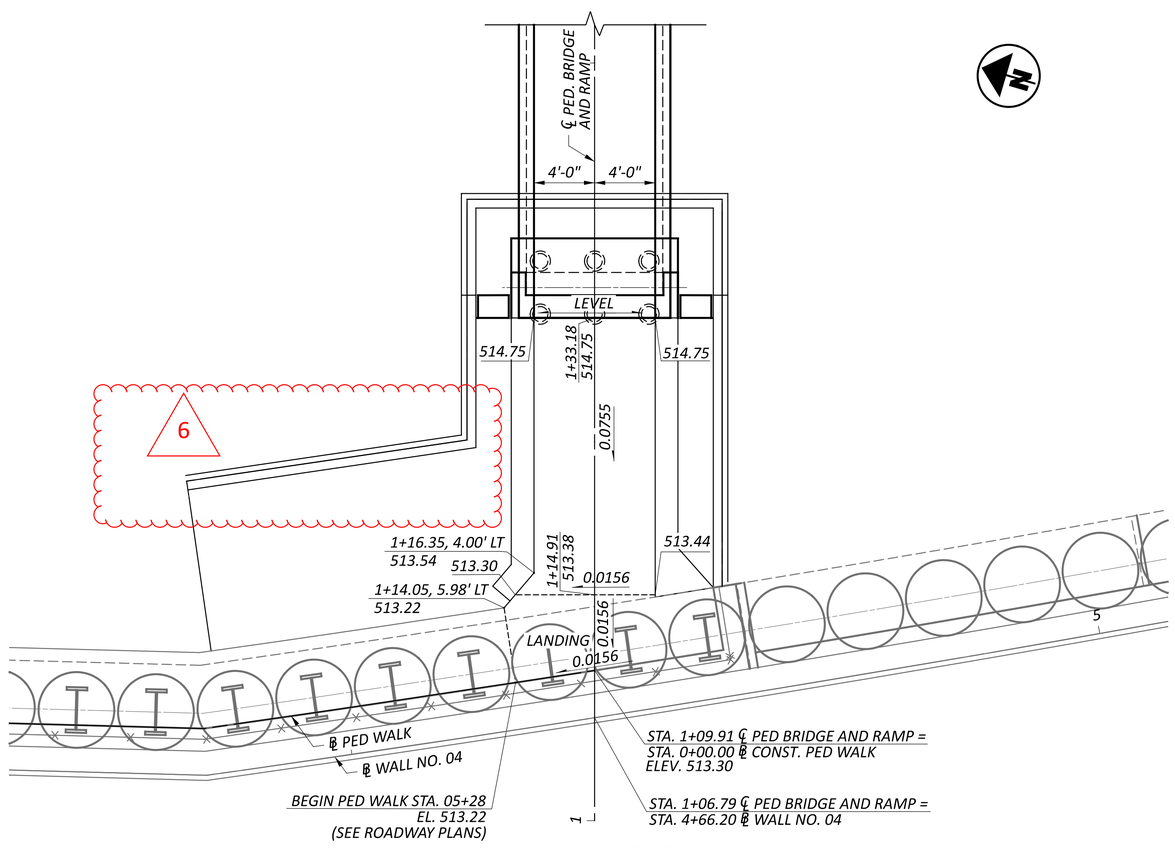


FORWARD APPROACH



REAR APPROACH

PEDESTRIAN RAMP GRADE DETAILS
BRIDGE NO. HAM-75-0123E
PEDESTRIAN BRIDGE OVER RAMP V AND WINCHELL AVE.

DESIGN AGENCY
Palmer ENGINEERING
8350 E. KEMPER ROAD
SUITE B
CINCINNATI, OH 45249
(513) 469-1600

DESIGNER	RJB
REVIEWER	BJF 04/11/25
PROJECT ID	122048
SUBSET	15
TOTAL	22
SHEET	P.345
TOTAL	P.421

HAM-IR75-1.05