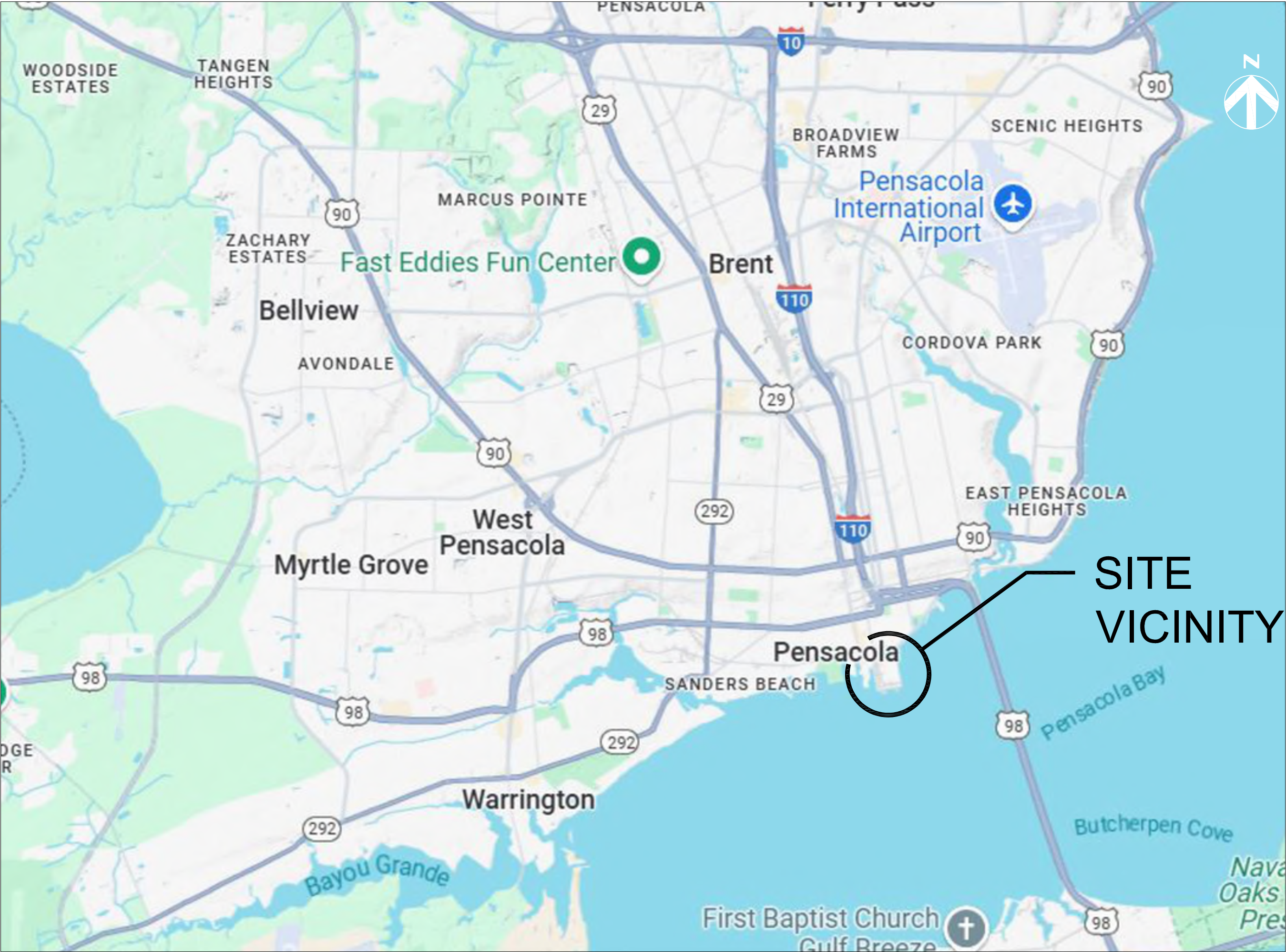


12345678

PORT FACILITIES
FOR
THE CITY OF PENSACOLA
PENSACOLA, FLORIDA
PAVING & RAIL REHABILITATION PROJECT
BID NO. 26-001
OCTOBER 2025



VICINITY MAP
NTS



LOCATION MAP
NTS

Plot Time: Tuesday, October 07, 2025 — 7:02am Plotted by: PNCNTRE
File Name: C:\pwworking\ees01\44343785\G1.dwg Layout Name: Layout1



HDR Engineering, Inc.
25 W. Cedar Street, Suite 200
Pensacola, FL 32502
Certificate of Authorization No. 4213

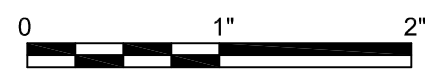
A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
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PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
PROJECT COVER SHEET
& VICINITY MAP



FILENAME	G1.DWG
SCALE	AS SHOWN

SHEET

G1

Plot Time: Tuesday, October 07, 2025 — 7:46am Plotted by: PNCINTIRE
File Name: C:\pwworking\east01\44343785\G2.dwg Layout Name: Layout1

1

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PORT OF PENSACOLA			
DRAWING NO.	DRAWING TYPE	DRAWING TITLE	INCLUDED
G1	GENERAL	PROJECT COVER SHEET & VICINITY MAP	X
G2	GENERAL	PROJECT DRAWING INDEX	X
G3	GENERAL	PROJECT GENERAL NOTES	X
G100	GENERAL	OVERALL SITE PLAN	X
G200	GENERAL	EXISTING CONDITIONS PLAN (1 OF 5)	X
G201	GENERAL	EXISTING CONDITIONS PLAN (2 OF 5)	X
G202	GENERAL	EXISTING CONDITIONS PLAN (3 OF 5)	X
G203	GENERAL	EXISTING CONDITIONS PLAN (4 OF 5)	X
G204	GENERAL	EXISTING CONDITIONS PLAN (5 OF 5)	X
B100	GENERAL	SOIL BORINGS OVERALL SITE PLAN	X
B101	GENERAL	BORING LOGS (1 OF 4)	X
B102	GENERAL	BORING LOGS (2 OF 4)	X
B103	GENERAL	BORING LOGS (3 OF 4)	X
B104	GENERAL	BORING LOGS (4 OF 4)	X
X200	DEMO	DEMOLITION PLAN (1 OF 5)	X
X201	DEMO	DEMOLITION PLAN (2 OF 5)	X
X202	DEMO	DEMOLITION PLAN (3 OF 5)	X
X203	DEMO	DEMOLITION PLAN (4 OF 5)	X
X204	DEMO	DEMOLITION PLAN (5 OF 5)	X
W200	WATER	NEW WATER LINES LOCATION PLAN (1 OF 5)	X
W201	WATER	NEW WATER LINES LOCATION PLAN (2 OF 5)	X
W202	WATER	NEW WATER LINES LOCATION PLAN (3 OF 5)	X
W203	WATER	NEW WATER LINES LOCATION PLAN (4 OF 5)	X
W204	WATER	NEW WATER LINES LOCATION PLAN (5 OF 5)	X
W501	WATER	NEW WATER LINES SECTIONS & DETAILS	X
W502	WATER	NEW WATER LINES SECTIONS & DETAILS	X
W503	WATER	NEW WATER LINES SECTIONS & DETAILS	X
W504	WATER	NEW WATER LINES SECTIONS & DETAILS	X
W505	WATER	NEW WATER LINES SECTIONS & DETAILS	X
D200	DRAINAGE	DRAINAGE SYSTEM SITE PLAN (1 OF 2)	X
D201	DRAINAGE	DRAINAGE SYSTEM SITE PLAN (2 OF 2)	X
D500	DRAINAGE	DRAINAGE SYSTEM SECTIONS & DETAILS	X
R200	RAIL	RAIL ENLARGEMENT PLAN (1 OF 3)	X
R201	RAIL	RAIL ENLARGEMENT PLAN (2 OF 3)	X
R202	RAIL	RAIL ENLARGEMENT PLAN (3 OF 3)	X
R300	RAIL	TRACK 1 PROFILE	X
R301	RAIL	TRACK 2 PROFILE	X
R302	RAIL	TRACK 3 PROFILE	X
R303	RAIL	TRACK 4 PROFILE	X
R304	RAIL	TRACK 5 PROFILE	X
R305	RAIL	TRACK 6 PROFILE	X
R306	RAIL	TRACK 7 PROFILE	X
R400	RAIL	GEOMETRY TABLE	X
R401	RAIL	GEOMETRY TABLE	X
R500	RAIL	RAIL DETAIL	X
P200	PAVING	PAVING BASE BID (1 OF 5)	X
P201	PAVING	PAVING BASE BID (2 OF 5)	X
P202	PAVING	PAVING BASE BID (3 OF 5)	X
P203	PAVING	PAVING BASE BID (4 OF 5)	X
P204	PAVING	PAVING BASE BID (5 OF 5)	X
P205	PAVING	PAVING SITE PLAN - ADDITIVE ALTERNATIVES (1 OF 5)	X
P206	PAVING	PAVING SITE PLAN - ADDITIVE ALTERNATIVES (2 OF 5)	X
P207	PAVING	PAVING SITE PLAN - ADDITIVE ALTERNATIVES (3 OF 5)	X
P208	PAVING	PAVING SITE PLAN - ADDITIVE ALTERNATIVES (4 OF 5)	X
P209	PAVING	PAVING SITE PLAN - ADDITIVE ALTERNATIVES (5 OF 5)	X
P500	PAVING	DETAILED ENLARGEMENT PLAN - WAREHOUSE 1 GARAGE DOOR RAMP	X
P501	PAVING	PAVING DETAILS	X
S500	STRUCTURAL	PAVING AND WATER VAULT STRUCTURES SECTIONS & DETAILS	X
S501	STRUCTURAL	BERTH 6 RETAINING WALL EXPANSION JOINT REPAIR SECTIONS & DETAILS	X
S502	STRUCTURAL	BERTH 3 & 5 EXPANSION JOINT REPAIR SECTIONS & DETAILS	X
S503	STRUCTURAL	BERTH 3 & 5 EXPANSION JOINT REPAIR SECTIONS & DETAILS	X
S504	STRUCTURAL	PIPE PENETRATION DETAIL	X
S505	STRUCTURAL	PAVING AND WATER VAULT STRUCTURES SECTIONS & DETAILS	X
CP100	CATHODIC	CATHODIC PROTECTION BERTH 2 LANDSIDE SYSTEM REPAIRS	X



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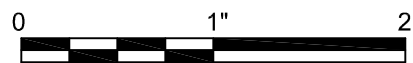
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PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT

PROJECT DRAWING INDEX



FILENAME	G2.DWG
SCALE	AS SHOWN

SHEET

G2

Plot Time: Wednesday, October 08, 2025 - 1:23pm Plotted by: JEH:EL
File Name: C:\pwworking\leos01\44343785\G3.dwg Layout Name: Layout1

GENERAL NOTES

GENERAL REQUIREMENTS

1.

THE DETAILED REQUIREMENTS FOR ALL ITEMS DESCRIBED IN THE GENERAL NOTES ARE CONTAINED IN THE SPECIFICATIONS.
2.

CONTRACTOR SHALL NOT COMMENCE ANY CONSTRUCTION OPERATION UNTIL THE CONTRACTOR HAS VERIFIED THAT CONSTRUCTION / ENVIRONMENTAL PERMITS FOR THIS PROJECT HAVE BEEN ACQUIRED.
3.

DESIGN AND CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES AND STANDARDS. THE PROJECT SPECIFICATIONS AND PROJECT DRAWINGS, NOTES PROVIDED IN DRAWINGS SHALL TAKE PRECEDENCE OVER PROJECT SPECIFICATION DOCUMENTS. SPECIFIC NOTES ON DETAIL DRAWINGS TAKE PRECEDENCE OVER DRAWING XX-XX. STATE AND LOCAL CODES SHALL TAKE PRECEDENCE OVER PROJECT SPECIFICATIONS AND NOTES ON DRAWINGS. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY OF ANY CONFLICTS BETWEEN STATE AND LOCAL CODES, PROJECT SPECIFICATIONS AND PROJECT DRAWINGS PRIOR TO ANY CONSTRUCTION.
4.

CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL ELEVATIONS, COORDINATES, DIMENSIONS, EXISTING CONDITIONS, AND INFORMATION INDICATED ON THE CONTRACT DOCUMENTS PRIOR TO COMMENCEMENT OF SITE WORK. THE OWNER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES FOUND ON THE CONTRACT DOCUMENTS OR FOUND TO EXIST BETWEEN THE FIELD CONDITIONS AND THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL TAKE CORRECTIVE ACTION AS DIRECTED BY THE OWNER.
5.

CONTRACTOR SHALL SUBMIT STORM WATER POLLUTION PREVENTION PLAN (SW3P) TO XXX. CONSTRUCTION ACTIVITY MAY NOT COMMENCE UNIT SW3P IS APPROVED BY XXX. REFER TO SPECIFICATION SECTION XX XX XX - TEMPORARY STORMWATER POLLUTION CONTROL FOR ADDITIONAL REQUIREMENTS.
6.

CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES DURING THE COURSE OF THE CONSTRUCTION PERIOD.
7.

CONTRACTOR TO COORDINATE WITH LOCAL PILOT AND PORT OF PENSACOLA ON MARINE TRAFFIC/MOVEMENTS SCHEDULES WHICH MAY AFFECT CONSTRUCTION WORKS. THE CONTRACTOR WILL NOT BE GIVEN DELAY PAYMENT ALLOWANCE FOR MARINE TRAFFIC/MOVEMENTS THAT AFFECT CONSTRUCTION.
8.

THIS PROJECT IS SUBJECT TO ENVIRONMENTAL PROTECTION AGENCY (EPA) NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION STORM WATER DISCHARGE REGULATIONS AND REQUIREMENTS. THE CONTRACTOR SHALL EXECUTE A NOTICE OF INTENT AND IMPLEMENT THE POLLUTION PREVENTION PLAN PER USAGE PERMIT. COMPLY WITH ALL REPORTING AND INSPECTION REQUIREMENTS SET FORTH IN THE NPDES REGULATION.
9.

ALL EXISTING ROADWAYS AND OTHER FEATURES WHICH ARE DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
10.

CONTRACTOR SHALL MAINTAIN ALL REGULATORY AND WARNING SIGNS DURING THE CONSTRUCTION PERIOD.
11.

CONTRACTOR SHALL SUBMIT TO OWNER ALL MATERIAL CERTIFICATES PRIOR TO FABRICATION.
12.

CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO NOT INTERFERE WITH, OR BE DETRIMENTAL TO VESSEL AND VEHICULAR TRAFFIC AND THE DAILY OPERATION OF THE OWNER DURING THE COURSE OF THE WORK.
13.

ALL EXISTING FEATURES OF THE PROJECT SITE WHICH ARE DAMAGED BY THE CONTRACTOR DURING HIS OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
14.

WORKER SAFETY IN EXCAVATIONS AND TRENCHES SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS, 29 CFR 1926, SUBPART P - EXCAVATIONS, TRENCHING, AND SHORING. CONTRACTOR SHALL ALSO COMPLY WITH ALL APPLICABLE STATE AND LOCAL REQUIREMENTS. A COPY OF THE GEOTECHNICAL REPORT CAN BE OBTAINED FROM THE OWNER FOR USE BY THE CONTRACTOR IN THE DESIGN OF THE TRENCH SAFETY SYSTEM.
15.

THE CONTRACTOR SHALL PERFORM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH OSHA AND CONTRACT DOCUMENTS.
16.

CONTRACTOR, SUBCONTRACTORS AND OTHER CONTRACTED ENTITIES SHALL SUCCESSFULLY COMPLETE ALL THE TRAINING COURSES AND REQUIREMENTS REQUIRED BY OWNER IN ORDER TO ACCESS THE PROJECT SITE AND CARRY OUT THE CONTRACTED WORK. CONTRACTOR SHALL POSSESS ALL THE REQUIRED IDENTIFICATION DOCUMENTS AND SHALL ACCESS THE PROJECT SITE THROUGH OWNER SECURITY CHECK POINT AND FOLLOW OWNER'S CHECK-IN-OUT PROCEDURE ON A DAILY BASIS. THE IDENTIFICATION DOCUMENTS INCLUDE, AS A MINIMUM, VALID TRANSPORTATION WORKER IDENTIFICATION CREDENTIAL (TWIC®) CARD AND VALID DRIVER'S LICENSE.
17.

CONTACT OWNER FOR TRAINING INFORMATION AND PARKING REQUIREMENTS.

SHOP DRAWINGS

1.

THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE DRAWINGS, PRIOR TO PREPARATION OF SHOP DRAWINGS.
2.

SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER BEFORE PURCHASE OF ANY MATERIALS OR START OF FABRICATION.
3.

THE USE OF REPRODUCTIONS OF THESE CONTRACT DRAWINGS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS IS PROHIBITED.

HORIZONTAL AND VERTICAL CONTROL

1.

TOPOGRAPHIC SURVEY WAS PERFORMED BY S.A.M, INC., UNDER JOB NO. 1024092970, DATED FEBRUARY 17, 2025.
2.

HORIZONTAL COORDINATES SHOWN ARE STATE PLANE GRID, FLORIDA NORTH ZONE, IN U.S. FEET.
3.

VERTICAL DATUM SHOWN ON THESE DRAWINGS REFERS TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD'88) IN U.S. FEET.
4.

MONUMENTS USED FOR HORIZONTAL AND VERTICAL CONTROL ARE AS FOLLOWS:

IRON REBAR W/DISK

N 521'837.45'

E 1,113,384.31'

EL +5.541'

BRASS DISK IN CONCRETE

N 520,842.16'

E 1,113,530.03'

EL +6.707'

BRASS DISK IN CONCRETE

N 520,676.56'

E 1,113,818.51'

EL +10.364'

BRASS DISK IN CONCRETE

N 519,750.29'

E 1,113,927.24'

EL +11.737'

BRASS DISK IN CONCRETE

N 519,983.89'

E 1,115,333.70'

EL +10.979'
5.

DATUM CORRELATION TABLE:

MLLW

NAVD '88

MEAN HIGHER HIGH WATER (MHHW)

+1.33'

+1.28'

MEAN HIGH WATER (MHW)

+1.26'

+1.21'

MEAN SEA LEVEL (MSL)

+0.73'

+0.68

MEAN TIDE LEVEL (MTL)

+0.69'

+0.64

MEAN LOW WATER (MLW)

+0.13'

+0.08'

NORTH AMERICAN VERTICAL DATUM 1988 (NAVD'88)

+0.05'

+0.00'

MEAN LOWER LOW WATER (MLLW)

+0.00'

-0.05'

WATER SURFACE RANGE BETWEEN MLLW AND MHHW REPRESENTS A NORMAL STATISTICAL WATER SURFACE RANGE. THE WATER SURFACE WILL ON OCCASION BE HIGHER OR LOWER THAN THIS RANGE.

DEMOLITION AND SALVAGE

1.

THE CONTRACTOR SHALL REMOVE ALL EXISTING ABOVE SURFACE AND BURIED STRUCTURES ON THE SITE WHICH ARE REQUIRED TO ALLOW THE NEW CONSTRUCTION AS SHOWN. THE APPROXIMATE LOCATION AND EXTENT OF THESE STRUCTURES HAVE BEEN SHOWN ON THIS DRAWING.
2.

DEMOLITION OF EXISTING FACILITIES UNLESS NOTED OTHERWISE SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF LEGALLY AND PROPERLY.
3.

ALL CONCRETE, STEEL AND OTHER DEBRIS SHALL BE HAULED OFF SITE AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.

SITE WORK / EARTHWORK

1.

FENCING WHICH IS REMOVED TO FACILITATE CONSTRUCTION SHALL BE REPLACED TO ORIGINAL OR BETTER CONDITION.
2.

AREAS TO RECEIVE FILL SHALL BE EXCAVATED AND CLEARED TO REMOVE ALL VEGETATION.
3.

ALL SUBGRADE AREAS SHALL BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY BEFORE BASE IS PLACED.
4.

COMPACT ALL BACKFILL TO 90% MODIFIED PROCTOR IN LIFTS NOT TO EXCEED 9-INCH IN DEPTH.
5.

SUB-BASE MATERIAL SHALL BE COMPACTED TO 95% MODIFIED DENSITY TO A DEPTH OF 6-INCH.
6.

THE AREA SURROUNDING THE PAVING AND FOUNDATION AREAS SHALL BE GRADED IN SUCH A MANNER THAT RAINWATER DOES NOT POND AROUND THE AREA. RUNOFF SHALL BE DIVERTED AROUND THE FOUNDATION AREAS BY MEANS OF PROPER GRADING.
7.

PAVEMENT TO BE REMOVED SHALL FIRST BE SAW-CUT THEN PAVEMENT AND BASE MATERIAL REMOVED TO A DEPTH REQUIRED TO ACCOMMODATE THE PAVING SECTION DEPTH INDICATED ON THE DRAWINGS. SUBGRADE SHALL BE COMPACTED AS SPECIFIED PRIOR TO THE PLACEMENT OF THE STONE BASE MATERIAL.

CONCRETE

1.

BEFORE COMMENCING CONCRETE PLACEMENT, PERFORM THE FOLLOWING: SURFACES TO RECEIVE CONCRETE SHALL BE CLEAN AND FREE OF DELETERIOUS AND/OR ORGANIC MATERIALS, FROST, ICE AND MUD. FORMS SHALL BE IN PLACE, CLEANED, COATED AND ADEQUATELY SUPPORTED IN ACCORDANCE WITH THE APPROPRIATE SPECIFICATIONS."
2.

ALL CONCRETE, EXCEPT AS NOTED, SHALL BE NORMAL WEIGHT CONCRETE AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000-PSI WHEN TESTED AT 28-DAYS. THE MAXIMUM WATER TO CEMENTITIOUS RATIO, BY WEIGHT SHALL BE 0.40. THE MIX DESIGN SHALL BE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION SECTION 03-30-03.
3.

A HIGH RANGE WATER REDUCING ADMIXTURE IN ACCORDANCE WITH THE SPECIFICATIONS SHALL BE USED IN ALL CONCRETE.
4.

ALL CONCRETE WORK SHALL COMPLY WITH THE PROVISIONS AND RECOMMENDATIONS OF THE LATEST EDITIONS ACI 301 AND ACI 318, UNLESS OTHERWISE SPECIFIED.
5.

ALL EXPOSED CORNERS SHALL BE PROVIDED WITH MINIMUM ¾-INCH CHAMFER, UNLESS OTHERWISE NOTED.
6.

CONCRETE FINISHES SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS. THE FOLLOWING EXPOSED FINISHED SURFACES SHALL HAVE THE DESIGNATED FINISH:

SURFACE

FINISH

CONCRETE PAVING

MEDIUM BROOM

CURB AND GUTTER

MEDIUM BROOM
7.

APPLY TWO COATS OF SEALER TO ALL EXPOSED CONCRETE SURFACES (CAST-IN-PLACE AND PRECAST) AFTER CONSTRUCTION.
8.

CHANGES IN LOCATION, ADDITION OR OMISSION OF CONSTRUCTION JOINTS SHALL BE SUBJECT TO APPROVAL BY ENGINEER.
9.

USE EPOXY CONCRETE BONDER PER SPECIFICATIONS AT ALL CONSTRUCTION JOINTS. WATER BLAST BEAMS BEFORE PLACING TOPPING.
10.

PRIOR TO CASTING CONCRETE AGAINST HARDENED CONCRETE SURFACE, ROUGHEN THE EXISTING SURFACE TO FULL AMPLITUDE OF APPROXIMATELY ¼-INCH. THOROUGHLY CLEAN THE HARDENED CONCRETE SURFACE OF ALL LOOSE MATERIALS, LAITANCE, DIRT, AND FOREIGN MATTER, AND SATURATE IT WITH WATER. THE CLEAN CONCRETE SURFACE SHOULD BE SATURATED, SURFACE DRY WITH NO FREE OR STANDING WATER AT THE TIME THE CONCRETE IS PLACED AGAINST IT.
11.

ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING STEEL SHALL CONFORM TO THE LATEST EDITION OF ACI DETAILING MANUAL SP-66.
12.

ALL LOADS (INCLUDING VEHICULAR AND BACKFILL) SHALL BE KEPT AWAY FROM NEW CONCRETE FOR A MINIMUM OF 7-DAYS.
13.

HORIZONTAL CONSTRUCTION JOINTS SHALL BE PERMITTED ONLY WHERE INDICATED ON THE DRAWINGS OR WITH PRIOR APPROVAL FROM ENGINEER.

REINFORCING STEEL

1.

ALL REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60, UNLESS OTHERWISE NOTED.
2.

ALL STIRRUPS SHALL BE ASTM A615 GRADE 60 WITH STANDARD 135-DEGREE HOOKS.
3.

WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064.
4.

CLEAR COVER ON REINFORCING STEEL SHALL BE A MINIMUM OF 3-INCH, UNLESS OTHERWISE NOTED.
5.

REINFORCING STEEL SHALL BE SUPPORTED USING ONLY PLASTIC CHAIRS OR BOLSTERS.
6.

ALL REINFORCING BAR SCHEDULE DIMENSIONS GIVEN FOR REBAR ARE OUT TO OUT CENTER TO CENTER.
7.

DIMENSIONS TO REINFORCING STEEL ARE CENTERLINE DIMENSIONS UNLESS OTHERWISE NOTED.
8.

MECHANICAL CONNECTORS MAY BE USED AT CONSTRUCTION JOINTS AND/OR IN LIEU OF LAP SPLICES. ALL MECHANICAL CONNECTORS SHALL BE SHOWN ON THE SHOP DRAWINGS AND SHALL CONFORM TO THE LATEST REVISIONS OF ACI 318.
9.

THE INTENT OF THE REINFORCING SCHEDULE IS TO CLARIFY THE CONSTRUCTION DRAWINGS, BAR SHAPES AND PLACEMENT. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND QUANTITIES PRIOR TO FABRICATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DISCREPANCIES BETWEEN SCHEDULES AND DRAWINGS.
10.

EMBEDMENT AND SPLICE LENGTHS FOR REINFORCING STEEL SHALL COMPLY WITH THOSE SHOWN IN TABLE 1 AND TABLE 2.
11.

REFER TO SPECIFICATIONS SECTION 03-30-00 FOR ADDITIONAL REQUIREMENTS.

TABLE 1 - MINIMUM SPLICE AND EMBEDMENT LENGTHS (INCHES)				
CONCRETE STRENGTH = 5,000 PSI				
BAR SIZE NUMBER	MINIMUM EMBEDMENT LENGTH	TOP BARS EMBEDMENT LENGTH	MINIMUM SPLICE LENGTH	TOP BARS SPLICE LENGTH
3	13	17	17	22
4	17	22	22	29
5	22	28	28	36
6	26	33	33	43
7	37	49	49	63
8	43	55	56	72
9	48	63	63	81
10	54	70	70	91
11	60	78	78	101

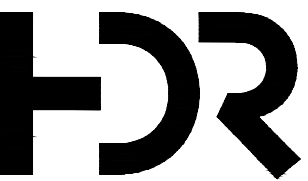
TABLE 2 - MINIMUM SPLICE AND EMBEDMENT LENGTHS (INCHES)				
CONCRETE STRENGTH = 4,000 PSI				
BAR SIZE NUMBER	MINIMUM EMBEDMENT LENGTH	TOP BARS EMBEDMENT LENGTH	MINIMUM SPLICE LENGTH	TOP BARS SPLICE LENGTH
3	15	19	19	24
4	19	25	25	32
5	24	31	31	40
6	29	37	37	48
7	42	54	54	70
8	48	62	62	80
9	54	70	70	91
10	61	79	79	102
11	67	87	87	113

- A.

WHERE BARS ARE OF DIFFERENT SIZE, THE LAP LENGTH SHALL BE BASED ON SMALLER BAR, UNLESS NOTED OTHERWISE.
- B.

THE CONTRACTOR SHALL DETERMINE ANY SPLICE LOCATIONS IN ADDITION TO THOSE SHOWN, SUBJECT TO SHOP DRAWING APPROVAL.
- C.

TOP BARS ARE HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12-INCH OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW DEVELOPMENT LENGTH OR SPLICE.



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PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
PROJECT GENERAL NOTES



FILENAME	G3.DWG
SCALE	AS SHOWN

SHEET

G3

Plot Time: Monday, October 06, 2025 4:28pm Plotted by: PMCONTIRE
File Name: C:\pwworking\east01\44343785\G200.dwg Layout Name: Layout1



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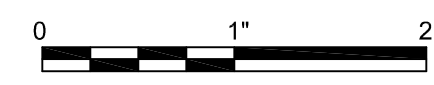
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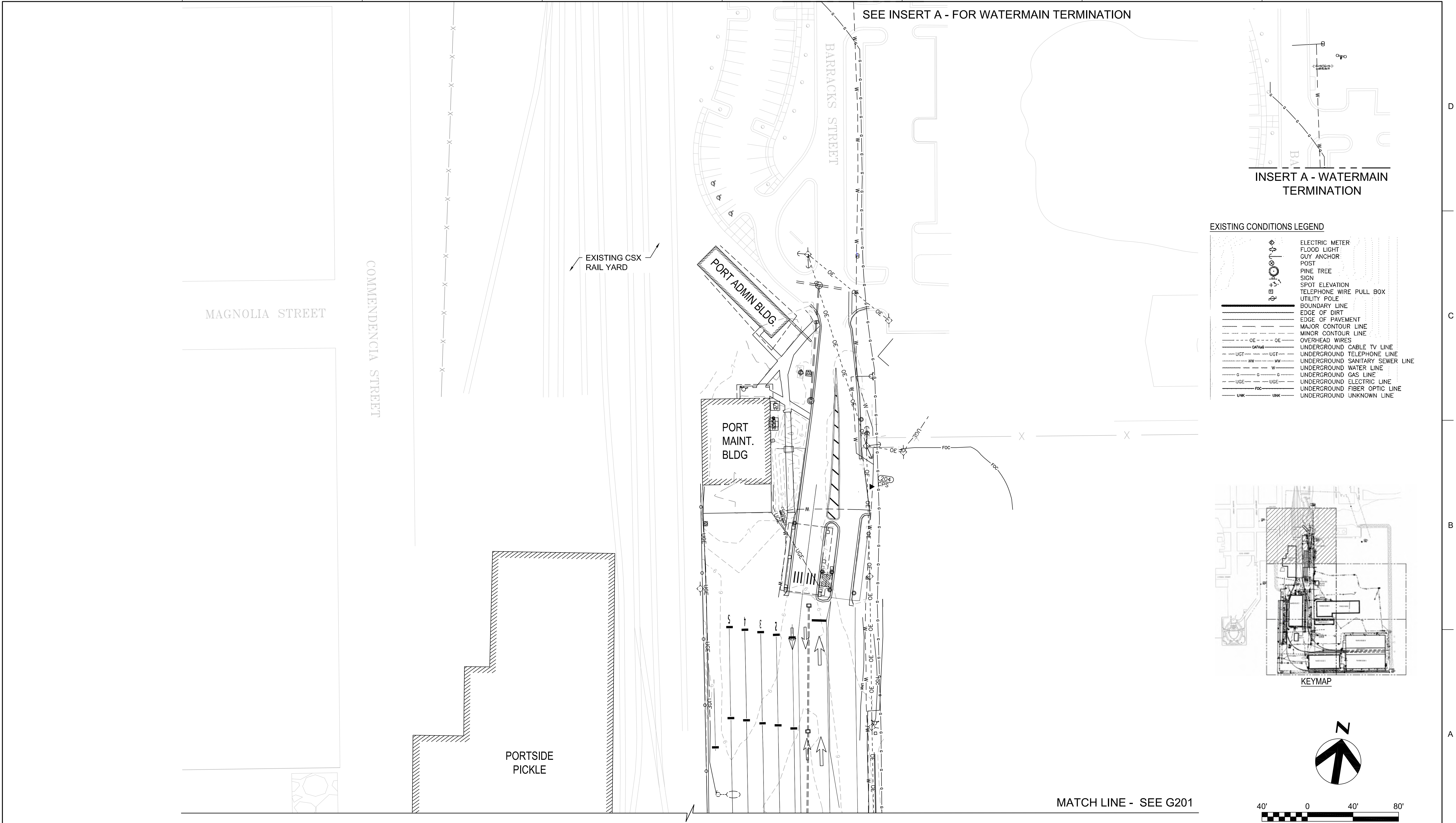


PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
EXISTING CONDITIONS PLAN
(1 OF 5)



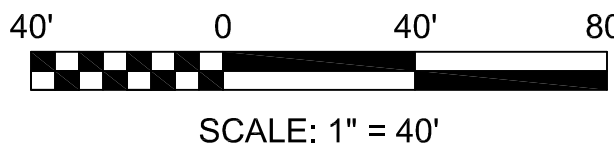
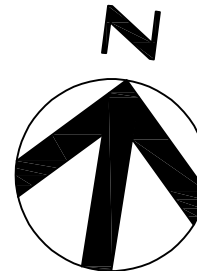
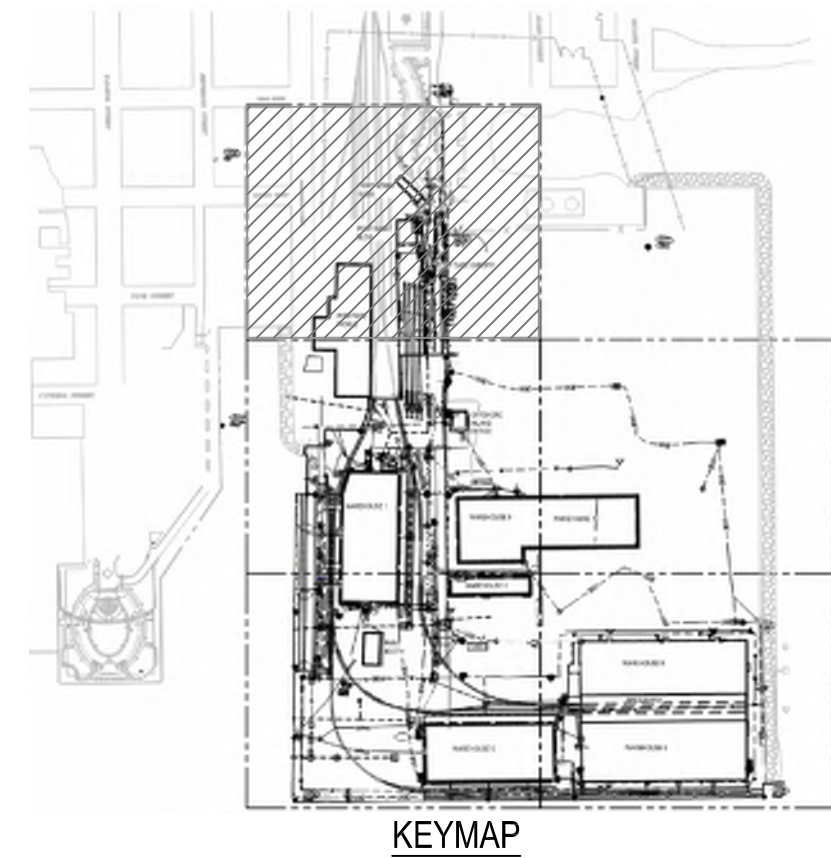
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SCALE AS SHOWN

SHEET
G200



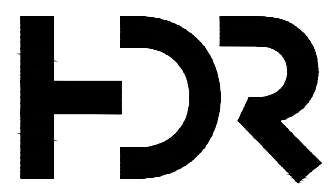
EXISTING CONDITIONS LEGEND

	ELECTRIC METER
	FLOOD LIGHT
	GUY ANCHOR
	POST
	PINE TREE
	SIGN
	SPOT ELEVATION
	TELEPHONE WIRE PULL BOX
	UTILITY POLE
	BOUNDARY LINE
	EDGE OF DIRT
	EDGE OF PAVEMENT
	MAJOR CONTOUR LINE
	MINOR CONTOUR LINE
	OVERHEAD WIRES
	UNDERGROUND CABLE TV LINE
	UNDERGROUND TELEPHONE LINE
	UNDERGROUND SANITARY SEWER LINE
	UNDERGROUND WATER LINE
	UNDERGROUND GAS LINE
	UNDERGROUND ELECTRIC LINE
	UNDERGROUND FIBER OPTIC LINE
	UNDERGROUND UNKNOWN LINE



SCALE: 1" = 40'

Plot Time: Tuesday, October 07, 2025 10:16am Plotted by: JEH
File Name: C:\pwworking\east01\4343785\G201.dwg Layout Name: Layout1



HDR Engineering, Inc.
25 W. Cedar Street, Suite 200
Pensacola, FL 32502
Certificate of Authorization No. 4213

A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	JLH
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
EXISTING CONDITIONS PLAN
(2 OF 5)



FILENAME	G201.DWG
SCALE	AS SHOWN

SHEET
G201

FOR CONT. SEE DRAWING G200

COMMENDENCIA SLIP

BERTH 1

MATCHLINE - SEE G203

PORTSIDE PICKLE

EXISTING CSX
RAIL YARD

EXISTING
TRENCH

MATCHLINE- SEE G202

EXISTING CONDITIONS LEGEND	
	ELECTRIC METER
	FLOOD LIGHT
	GUY ANCHOR
	POST
	PINE TREE
	SIGN
	SPOT ELEVATION
	TELEPHONE WIRE PULL BOX
	UTILITY POLE
	BOUNDARY LINE
	EDGE OF DIRT
	EDGE OF PAVEMENT
	MAJOR CONTOUR LINE
	MINOR CONTOUR LINE
	OVERHEAD WIRES
	UNDERGROUND CABLE TV LINE
	UNDERGROUND TELEPHONE LINE
	UNDERGROUND SANITARY SEWER LINE
	UNDERGROUND WATER LINE
	UNDERGROUND GAS LINE
	UNDERGROUND ELECTRIC LINE
	UNDERGROUND FIBER OPTIC LINE
	UNDERGROUND UNKNOWN LINE

OFFSHORE
INLAND

EXISTING CONCRETE
ENCASED RAIL

EXISTING RAIL (TYP.)

(2) EXISTING 12" DIA. ABANDONED
ASPHALT CONVEYANCE PIPES TO REMAIN
(TYP.)

EXISTING RECENTLY
RE-PAVED ROADWAY

EXISTING CONCRETE
ENCASED RAIL (TYP.)

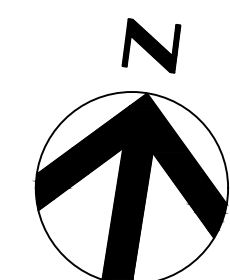
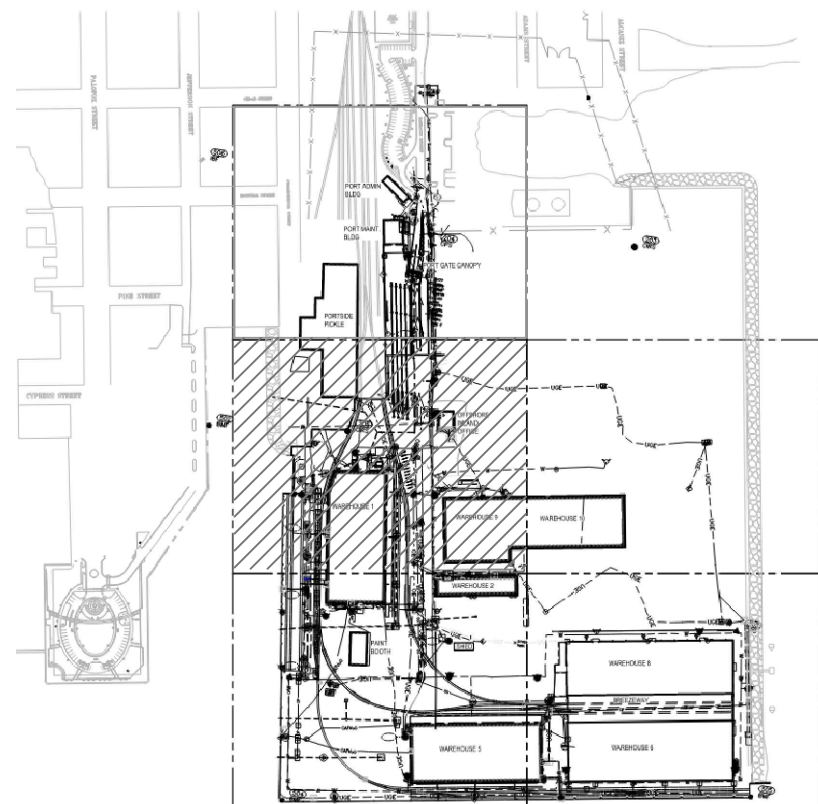
EXISTING RAIL (TYP.)

WAREHOUSE 1

EXISTING CONCRETE
RUNWAY (TYP.)

EXISTING RAIL (TYP.)

WAREHOUSE 9 & 10



SCALE: 1" = 40'

Plot Time: Monday, October 06, 2025 4:34pm Plotted by: PMCNTIRE
File Name: C:\pwworking\east01\44343785\G202.dwg Layout Name: Layout1



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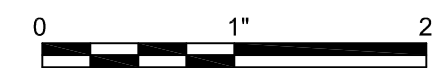
ISSUE	DATE	DESCRIPTION
A	OCT. 2025	ISSUED FOR BID

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	JLH
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
EXISTING CONDITIONS PLAN
(3 OF 5)



FILENAME	G202.DWG
SCALE	AS SHOWN

SHEET
G202

MATCHLINE - SEE G201

W

WAREHOUSE 10

UGE

UGE

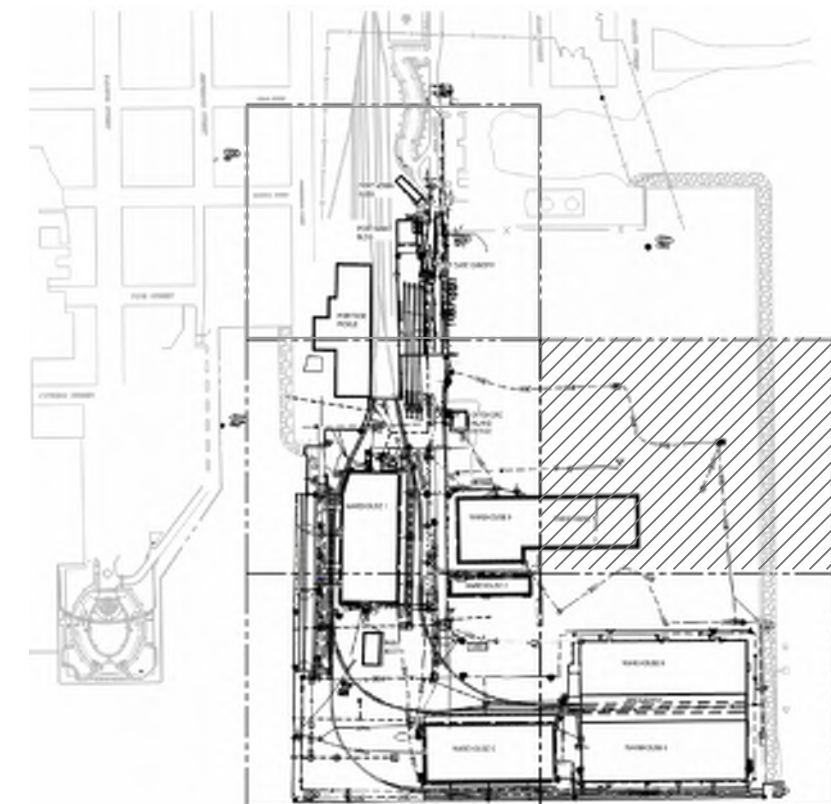
UGE

EXISTING SHORE PROTECTION

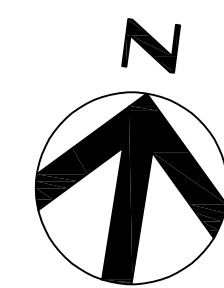
MATCHLINE - SEE G204

EXISTING CONDITIONS LEGEND

- | | |
|--|---------------------------------|
| | ELECTRIC METER |
| | FLOOD LIGHT |
| | GUY ANCHOR |
| | POST |
| | PINE TREE |
| | SIGN |
| | SPOT ELEVATION |
| | TELEPHONE WIRE PULL BOX |
| | UTILITY POLE |
| | BOUNDARY LINE |
| | EDGE OF PAVEMENT |
| | EDGE OF DIRT |
| | MAJOR CONTOUR LINE |
| | MINOR CONTOUR LINE |
| | OVERHEAD WIRES |
| | UNDERGROUND CABLE TV LINE |
| | UNDERGROUND TELEPHONE LINE |
| | UNDERGROUND SANITARY SEWER LINE |
| | UNDERGROUND WATER LINE |
| | UNDERGROUND GAS LINE |
| | UNDERGROUND ELECTRIC LINE |
| | UNDERGROUND FIBER OPTIC LINE |
| | UNDERGROUND UNKNOWN LINE |



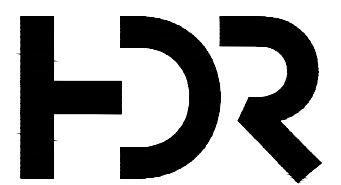
KEYMAP



40' 0 40' 80'

SCALE: 1" = 40'

Plot Time: Tuesday, October 07, 2025 — 10:18am Plotted by: JEHEL
File Name: C:\pwworking\east01\44343785\G203.dwg Layout Name: Layout1



HDR Engineering, Inc.
25 W. Cedar Street, Suite 200
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A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	JLH
DRAWN BY	PEM
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
EXISTING CONDITIONS PLAN
(4 OF 5)



FILENAME G203.DWG
SCALE AS SHOWN

SHEET
G203

MATCHLINE - SEE G201

EXISTING WATER
STATION

COMMENDENCIA SLIP

BERTH 2, BERTH 1

(2) EXISTING 12" DIA.
ABANDONED ASPHALT
CONVEYANCE PIPES TO
REMAIN (TYP.)

EXISTING WATER
STATION

EXISTING WATER
STATION

BERTH 3 BERTH 5

EXISTING WATER
STATION

WAREHOUSE 1

EXISTING RAIL (TYP.)

OFFSHORE
INLAND
PAINT BOOTH

EXISTING RAIL (TYP.)

EXISTING CONCRETE
ENCASED RAIL (TYP.)

EXISTING RAIL (TYP.)

WAREHOUSE 2

EXISTING RAIL (TYP.)

EXISTING RECENTLY
RE-PAVED ROADWAY

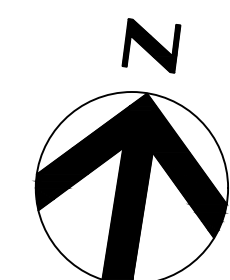
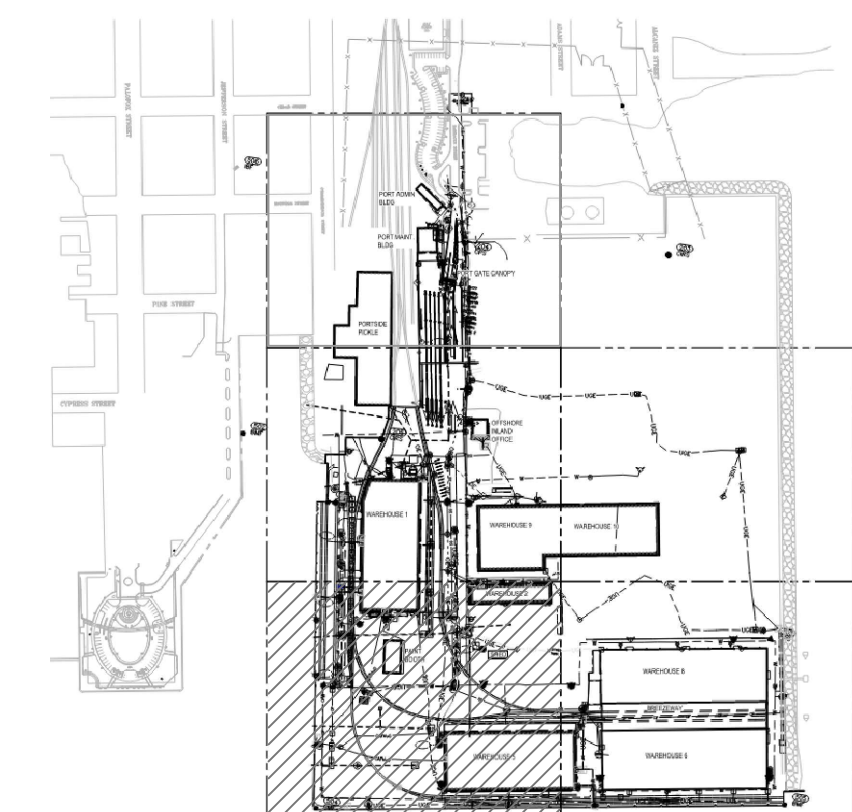
EXISTING RAIL (TYP.)

WAREHOUSE 5

EXISTING CONDITIONS LEGEND

	ELECTRIC METER
	FLOOD LIGHT
	GUY ANCHOR
	POST
	PINE TREE
	SIGN
	SPOT ELEVATION
	TELEPHONE WIRE PULL BOX
	UTILITY POLE
	BOUNDARY LINE
	EDGE OF DIRT
	EDGE OF PAVEMENT
	MAJOR CONTOUR LINE
	MINOR CONTOUR LINE
	OVERHEAD WIRES
	UNDERGROUND CABLE TV LINE
	UNDERGROUND TELEPHONE LINE
	UNDERGROUND SANITARY SEWER LINE
	UNDERGROUND WATER LINE
	UNDERGROUND GAS LINE
	UNDERGROUND ELECTRIC LINE
	UNDERGROUND FIBER OPTIC LINE
	UNDERGROUND UNKNOWN LINE

MATCHLINE - SEE G204



40' 0 40' 80'

SCALE: 1" = 40'

Plot Time: Monday, October 06, 2025 -- 4:41pm Plotted by: PMCNTIRE
File Name: C:\pwworking\east01\434343785\G204.dwg Layout Name: Layout1



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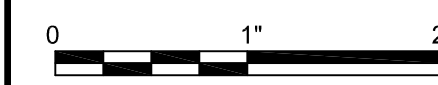
A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	JLH
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
EXISTING CONDITIONS PLAN
(5 OF 5)



FILENAME	G204.DWG
SCALE	AS SHOWN

SHEET
G204

FOR CONT. SEE DRAWING G203

WAREHOUSE 5

WAREHOUSE 8

WAREHOUSE 6

BREEZEWAY

EXISTING RAIL UNDER
BREEZEWAY (TYP.)

BERTH 5 BERTH 6

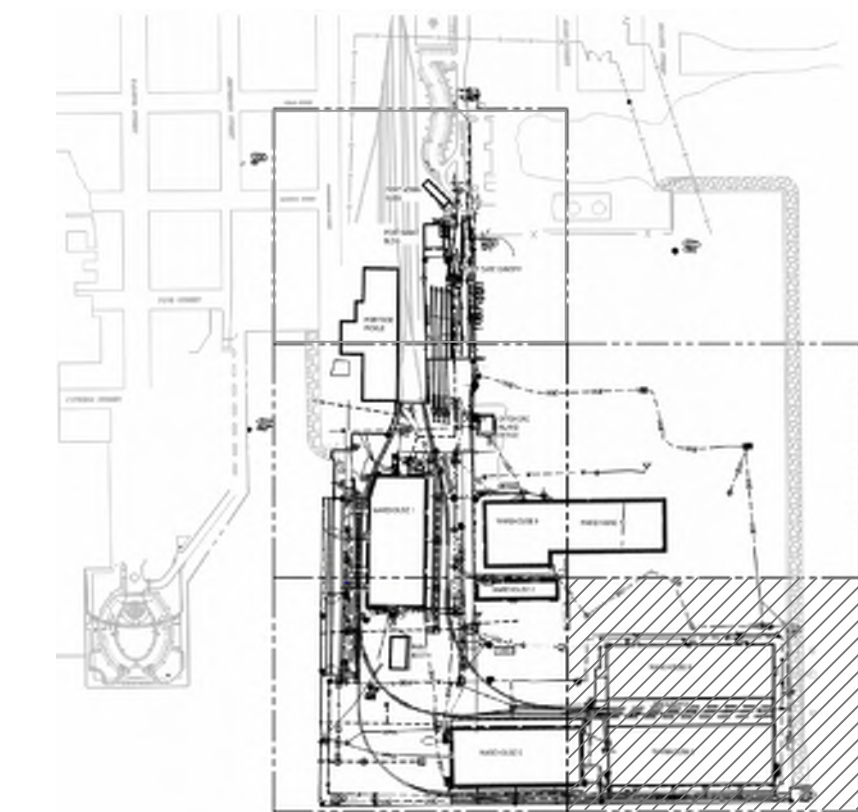
EXISTING CONDITIONS PLAN (5 OF 5)

SCALE: 1"=40'-0"

FOR CONT. SEE DRAWING G202

EXISTING CONDITIONS LEGEND

	ELECTRIC METER
	FLOOD LIGHT
	GUY ANCHOR
	POST
	PINE TREE
	SIGN
	SPOT ELEVATION
	TELEPHONE WIRE PULL BOX
	UTILITY POLE
	BOUNDARY LINE
	EDGE OF PAVEMENT
	EDGE OF DIRT
	MAJOR CONTOUR LINE
	MINOR CONTOUR LINE
	OVERHEAD WIRES
	UNDERGROUND CABLE TV LINE
	UNDERGROUND TELEPHONE LINE
	UNDERGROUND SANITARY SEWER LINE
	UNDERGROUND WATER LINE
	UNDERGROUND GAS LINE
	UNDERGROUND ELECTRIC LINE
	UNDERGROUND FIBER OPTIC LINE
	UNDERGROUND UNKNOWN LINE



SCALE: 1" = 40'

Plot Time: Monday, October 06, 2025 -- 4:44pm Plotted by: PMCINTIRE
File Name: C:\pwworking\east01\454343785\B100.dwg Layout Name: Layout1



SOIL BORING - OVERALL SITE PLAN
SCALE:1"=150'-0"

BORING LOCATION			
BORING NUMBER	DISCIPLINE	LATITUDE	LONGITUDE
P-1	PAVEMENT	1114061.72	521346.75
P-2	PAVEMENT	1114145.69	521148.66
P-3	PAVEMENT	1114024.28	520931.24
P-4	PAVEMENT	1114189.56	520803.86
P-5	PAVEMENT	1114374.09	520806.39
P-6	PAVEMENT	1114260.39	520508.36
P-7	PAVEMENT	1113918.24	520381.88
P-8	PAVEMENT	1114437.35	520435.98
P-9	PAVEMENT	1114141.43	520311.73
P-10	PAVEMENT	1114623.58	520284.19
P-11	PAVEMENT	1115230.85	520475.79
P-12	PAVEMENT	1114363.45	520135.59
P-13	PAVEMENT	1114088.71	520064.05
P-14	PAVEMENT	1114073.77	519828.74
R-1	RAIL	1113942.77	520870.81
R-2	RAIL	1114113.91	520829.32
R-3	RAIL	1113913.67	520539.47
R-4	RAIL	1114182.86	520618.11
R-5	RAIL	1113951.40	520277.19
R-6	RAIL	1114271.51	520282.16
R-7	RAIL	1113969.32	520120.80
R-8	RAIL	1114261.23	520086.36
R-9	RAIL	1114713.03	520140.29
R-10	RAIL	1114049.26	519947.74
R-11	RAIL	1114293.79	519839.49
U-1	UTILITY	1114153.57	521276.78
U-2	UTILITY	1113877.82	520753.47
U-3	UTILITY	1114377.96	520541.09
U-4	UTILITY	1114305.31	520393.27
U-5	UTILITY	1114985.18	520434.77
U-6	UTILITY	1114182.43	519909.09
U-7	UTILITY	1114726.99	519969.73
U-8	UTILITY	1115272.59	520255.66



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ISSUE	DATE	DESCRIPTION

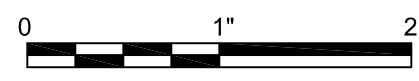
PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT

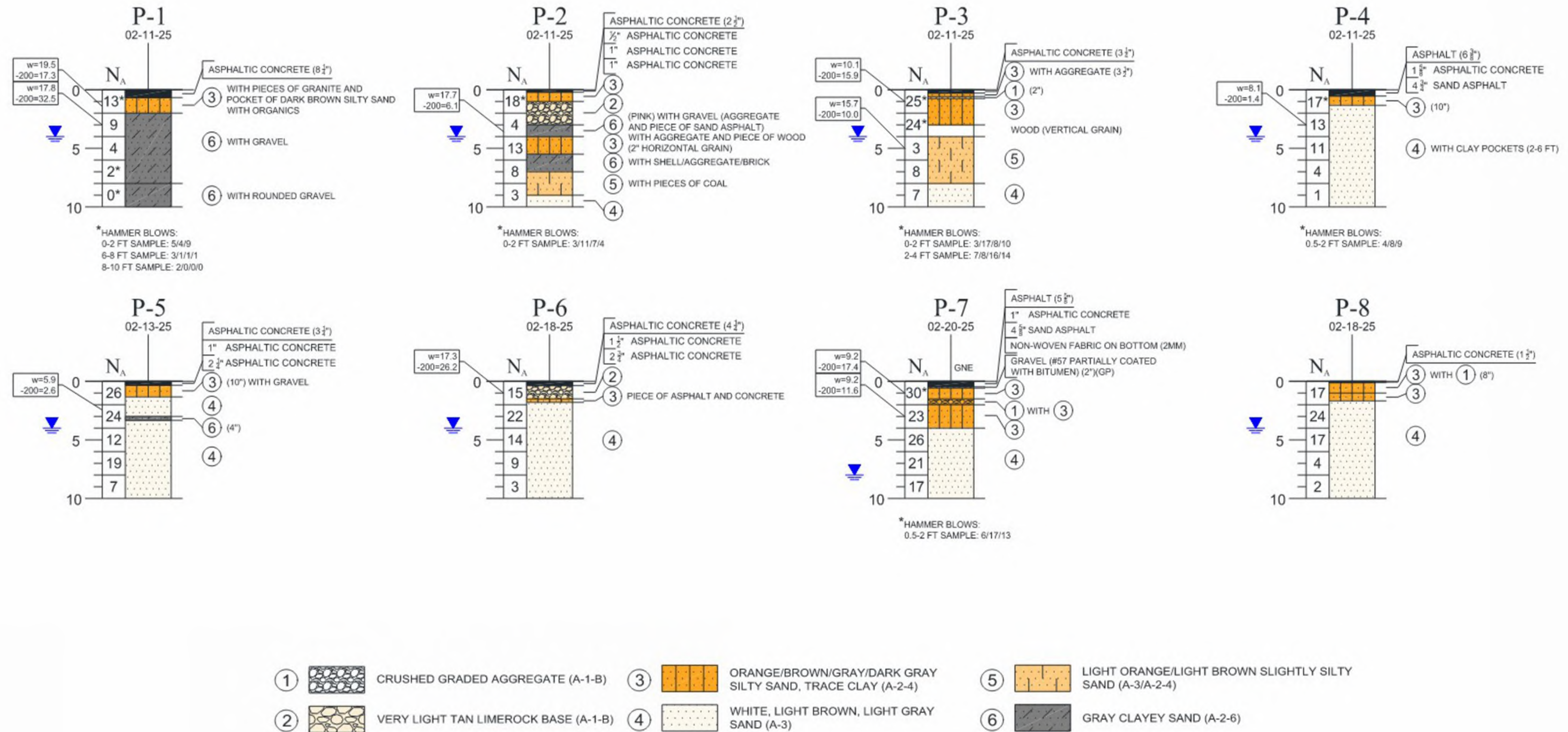
SOIL BORING
OVERALL SITE PLAN



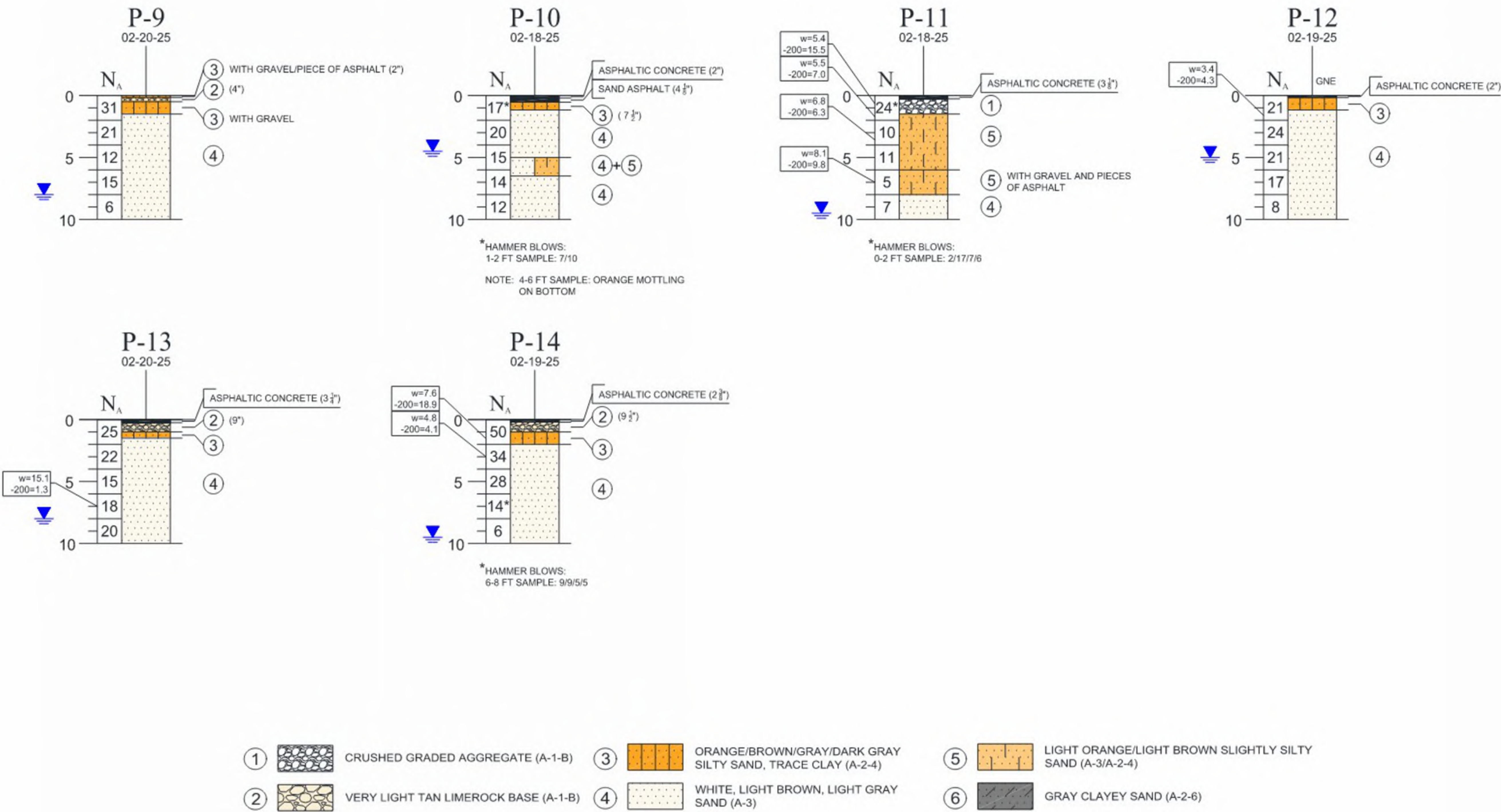
FILENAME	B100.DWG
SCALE	AS SHOWN

SHEET
B100

Boring Logs



Boring Logs



Plot Time: Monday, October 06, 2025 4:51pm Plotted by: PMONTIRE
File Name: C:\pwork\1001\04343785\B102.dwg Layout Name: Layout1



HDR Engineering, Inc.
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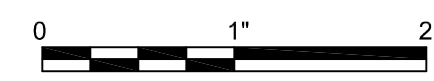
A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
SOIL BORING LOGS
(2 OF 4)

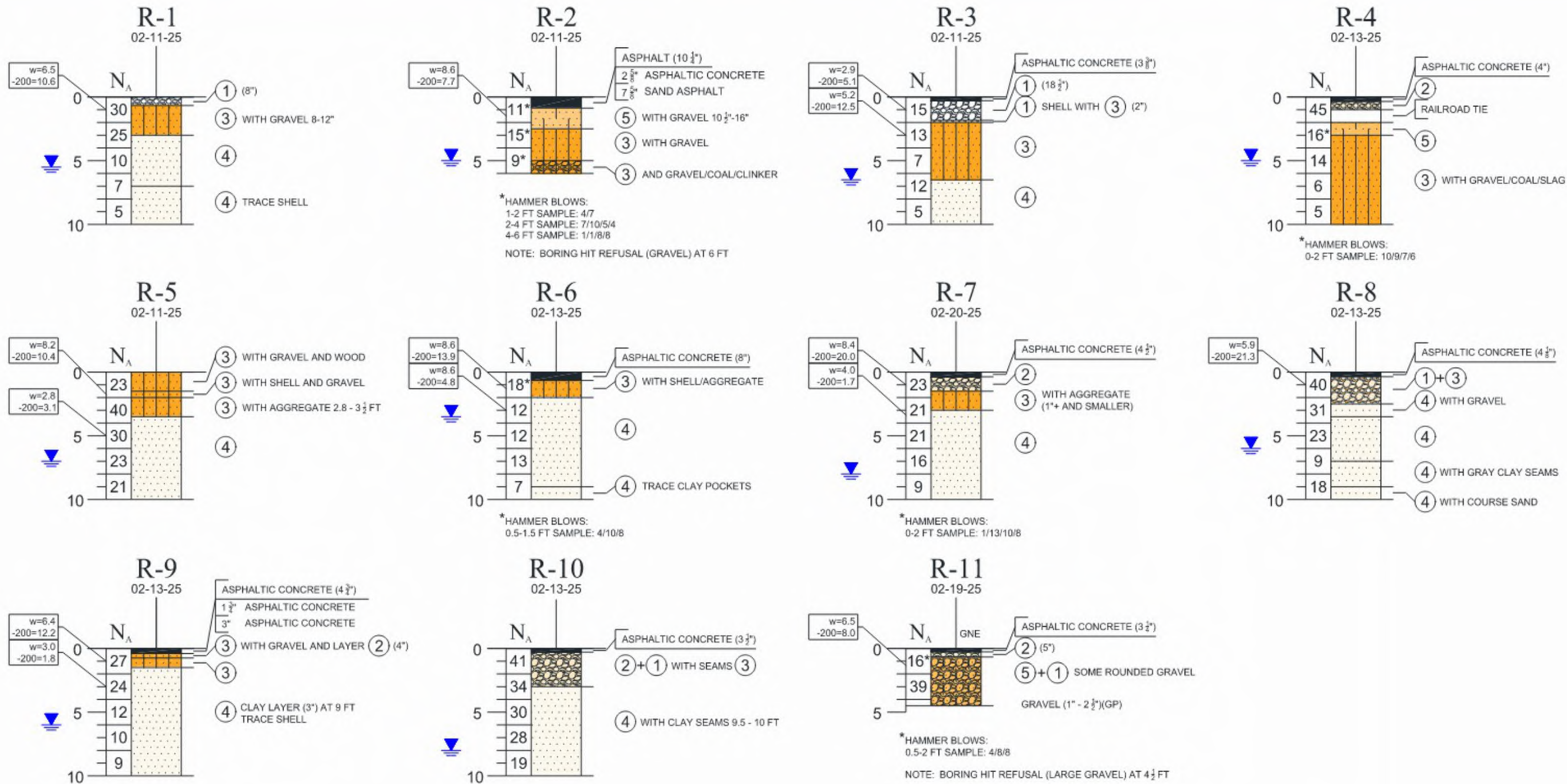


FILENAME B102.DWG
SCALE AS SHOWN

SHEET

B102

Boring Logs

HDR Engineering, Inc.
25 W. Cedar Street, Suite 200
Pensacola, FL 32502
Certificate of Authorization No. 4213

A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

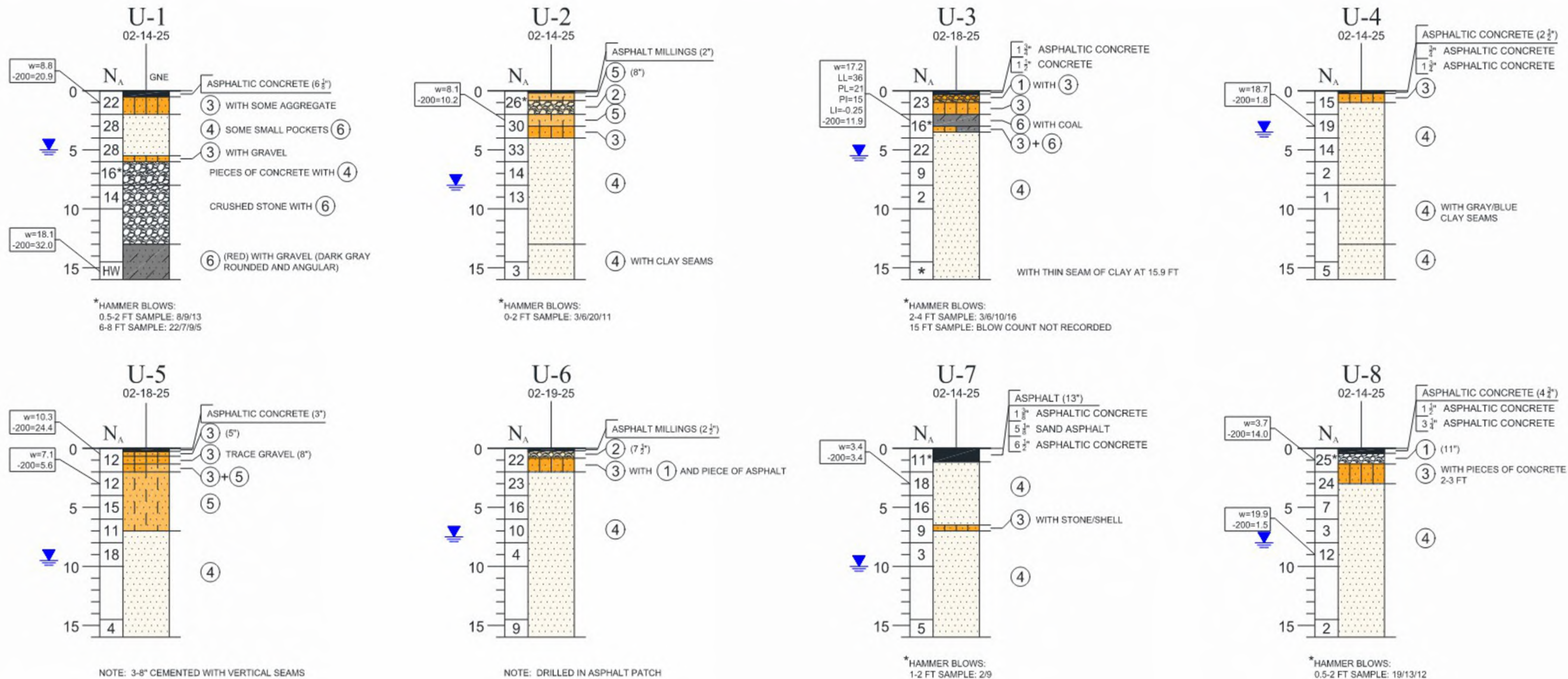
ISSUED FOR BID
NOT FOR CONSTRUCTIONPORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
SOIL BORING LOGS
(3 OF 4)

FILENAME	B103.DWG
SCALE	AS SHOWN

SHEET

B103

Boring Logs

HDR Engineering, Inc.
25 W. Cedar Street, Suite 200
Pensacola, FL 32502
Certificate of Authorization No. 4213

A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

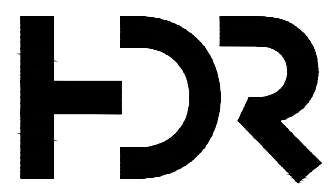
ISSUED FOR BID
NOT FOR CONSTRUCTIONPORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
SOIL BORING LOGS
(4 OF 4)

FILENAME	B104.DWG
SCALE	AS SHOWN

SHEET

B104

Plot Time: Tuesday, October 07, 2025 — 10:30am Plotted by: JEHHEL
File Name: C:\pwworking\east01\434343785\X200.dwg Layout Name: Layout1



HDR Engineering, Inc.
25 W. Cedar Street, Suite 200
Pensacola, FL 32502
Certificate of Authorization No. 4213

A

OCT. 2025

ISSUED FOR BID

ISSUE

DATE

DESCRIPTION

PROJECT MANAGER HAC
DESIGNED BY HAC
CHECKED BY JILH
DRAWN BY PEM

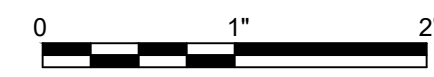
PROJECT NUMBER 10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT

DEMOLITION PLAN
(1 OF 5)



FILENAME X200.DWG
SCALE AS SHOWN

SHEET

X200

1

2

3

4

5

6

7

8

MAGNOLIA STREET

COMMENDENCIA STREET

BARRACKS STREET

EXISTING CSX
RAIL YARD

PORT ADMIN BLDG.

PORT
MAINT.
BLDG

ABANDON IN PLACE AND GROUT FILL

APPROX. 71LF OF EXIST.
12" PVC WM (TO REMAIN)

ADDITIVE ALT. NO. 4

PORTSIDE
PICKLE

SEE INSERT A - FOR WATERMAIN TERMINATION

EXISTING 12" WM (TO REMAIN)

EXISTING 12" WM
(TO REMAIN)

BEGIN OF EXISTING
WM IN CONTRACT

EXIST. FH ASSEMBLY
(TO REMAIN)

LIMITS OF ABANDON IN PLACE TO BE
BASED ON NEW PIPING TIE IN LOCATION

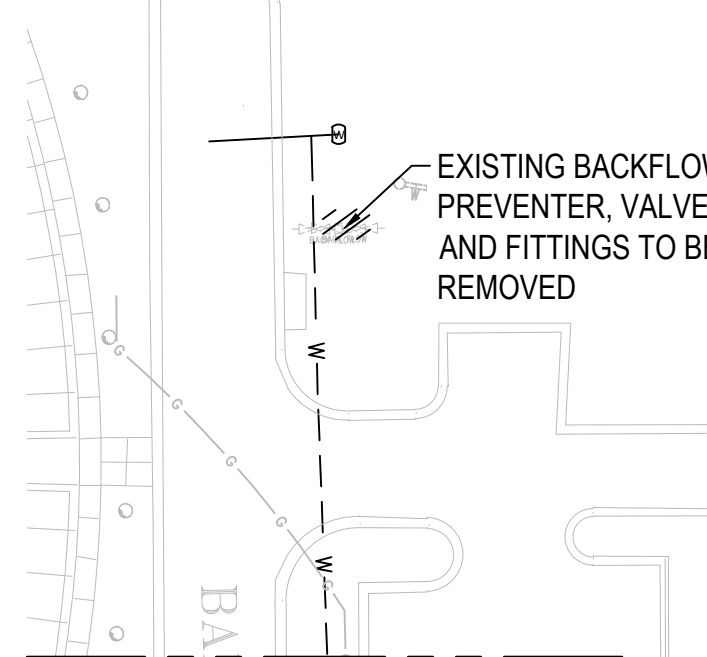
BEGIN OF EXISTING
WM IN CONTRACT

ABANDON IN PLACE
APPROX. 197LF OF
EXIST. 12" WM

REMOVE APPROX. 7LF OF EXIST. 6" WM
AND EXISTING FIRE HYDRANT

DEMOLISH APPROX. 107 LF OF
EXIST. RCP STORM SEWER AND
ASPHALT PAVING TO LIMITS SHOWN

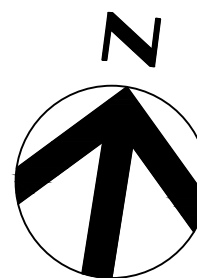
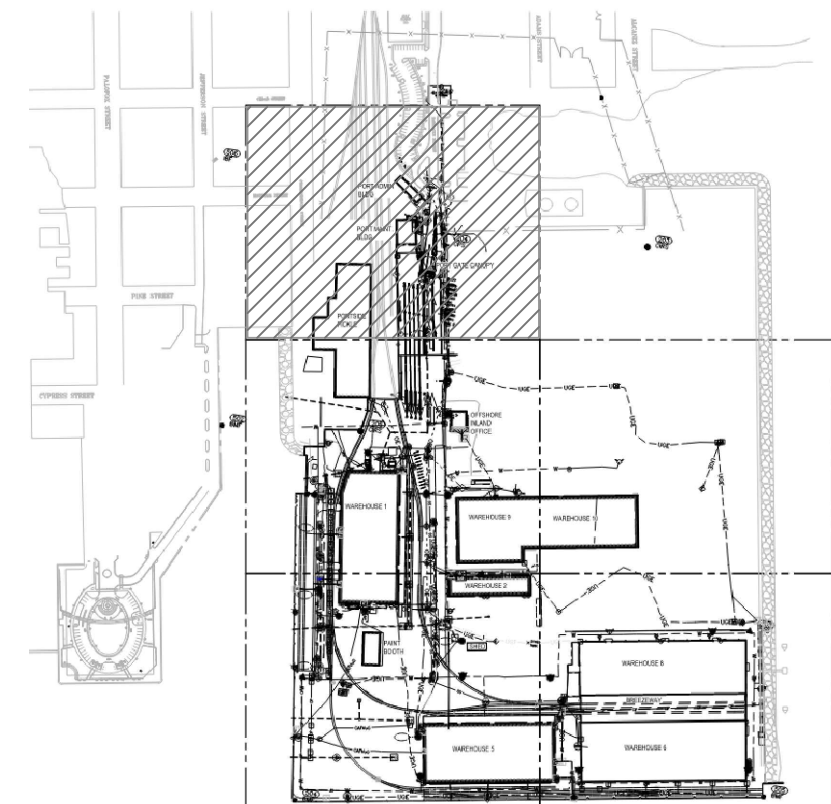
MATCH LINE - SEE X201



INSERT A - WATERMAIN
TERMINATION

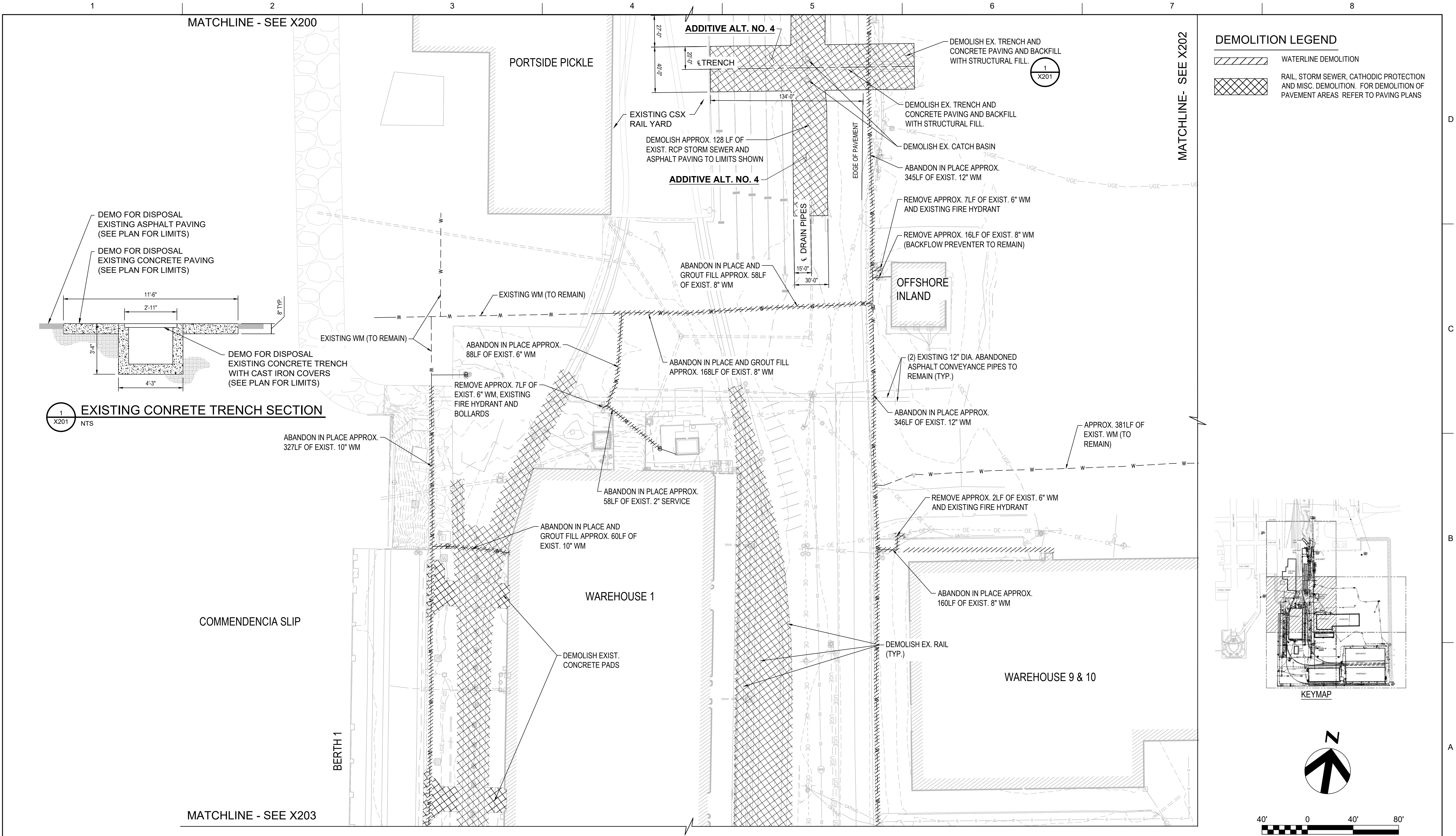
DEMOLITION LEGEND

- WATERLINE DEMOLITION
- RAIL, STORM SEWER, CATHODIC PROTECTION
AND MISC. DEMOLITION. FOR DEMOLITION OF
PAVEMENT AREAS REFER TO PAVING PLANS



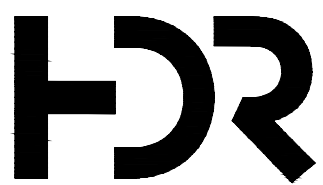
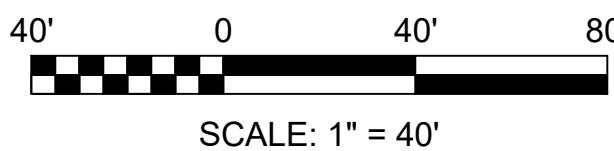
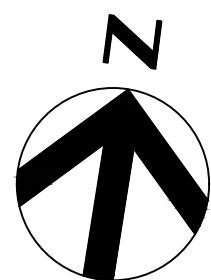
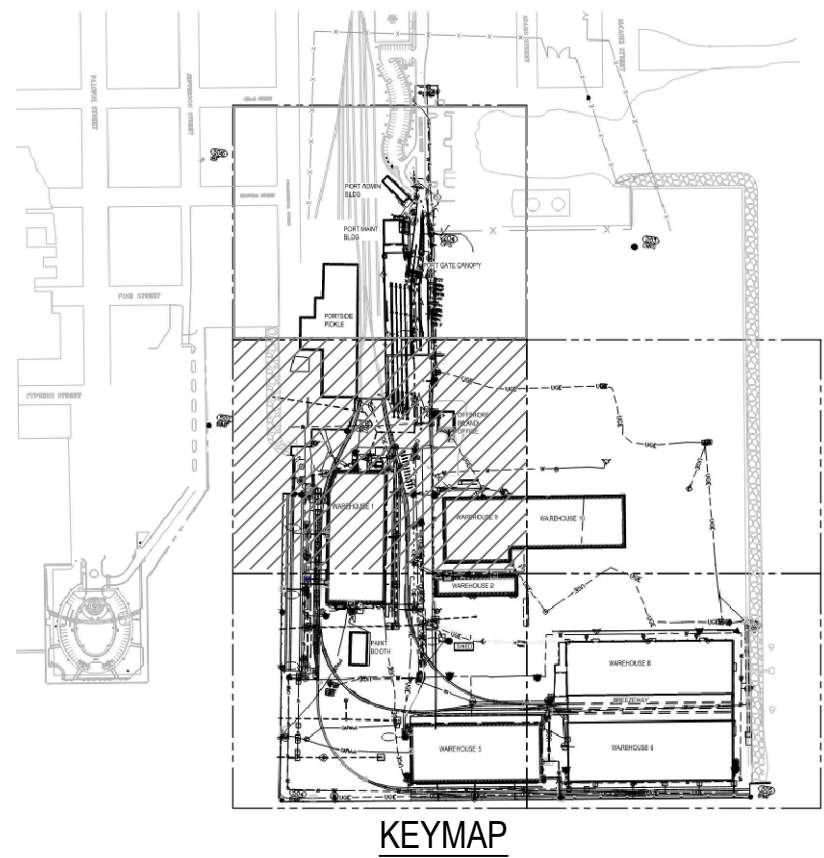
SCALE: 1" = 40'

Plot Time: Tuesday, October 07, 2025 — 5:55pm Plotted by: JEH
File Name: C:\pwworking\east01\4343785\X201.dwg Layout Name: Layout1



DEMOLITION LEGEND

- WATERLINE DEMOLITION
- RAIL, STORM SEWER, CATHODIC PROTECTION AND MISC. DEMOLITION. FOR DEMOLITION OF PAVEMENT AREAS REFER TO PAVING PLANS



HDR Engineering, Inc.
25 W. Cedar Street, Suite 200
Pensacola, FL 32502
Certificate of Authorization No. 4213

A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	JLH
DRAWN BY	PEM
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



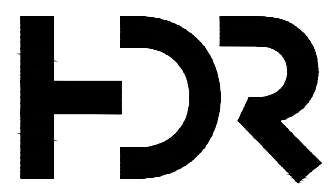
PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
DEMOLITION PLAN
(2 OF 5)



FILENAME	X201.DWG
SCALE	AS SHOWN

SHEET
X201

Plot Time: Tuesday, October 07, 2025 — 11:48am Plotted by: JEHHEL
File Name: C:\pwworking\east01\44343785\X202.dwg Layout Name: Layout1



HDR Engineering, Inc.
25 W. Cedar Street, Suite 200
Pensacola, FL 32502
Certificate of Authorization No. 4213

ISSUE	DATE	DESCRIPTION
A	OCT. 2025	ISSUED FOR BID

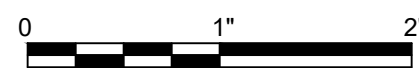
PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	JLH
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT

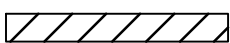
DEMOLITION PLAN
(3 OF 5)



FILENAME	X202.DWG
SCALE	AS SHOWN

SHEET
X202

DEMOLITION LEGEND

-  WATERLINE DEMOLITION
-  RAIL, STORM SEWER, CATHODIC PROTECTION AND MISC. DEMOLITION. FOR DEMOLITION OF PAVEMENT AREAS REFER TO PAVING PLANS

MATCHLINE - SEE X201

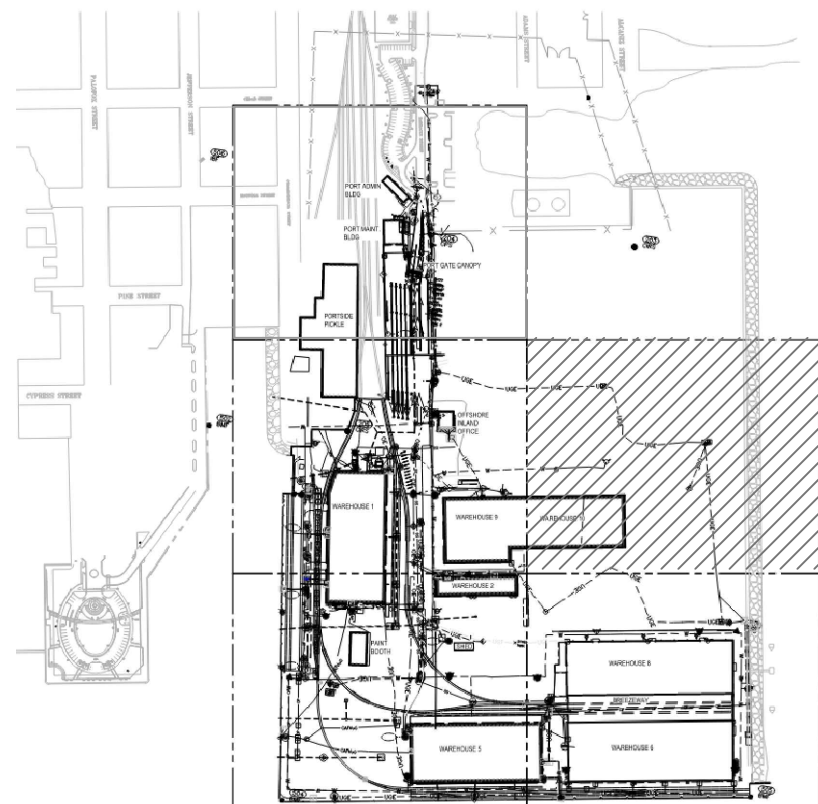
WAREHOUSE 10

APPROX. 161LF OF
EXIST. WM (TO
REMAIN)

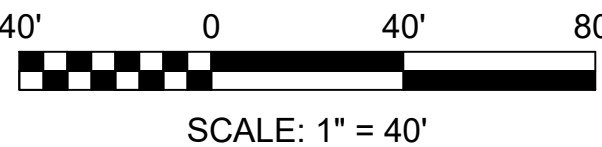
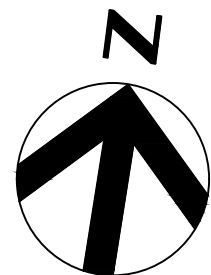
EXIST. WM AND EXISTING
FIRE HYDRANT (TO REMAIN)

EXISTING SHORE
PROTECTION

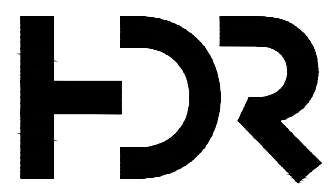
MATCHLINE - SEE X204



KEYMAP



Plot Time: Tuesday, October 07, 2025 — 3:45pm Plotted by: JEH
File Name: C:\pwworking\east01\44343785\X203.dwg Layout Name: Layout1



HDR Engineering, Inc.
25 W. Cedar Street, Suite 200
Pensacola, FL 32502
Certificate of Authorization No. 4213

A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	JLH
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT

DEMOLITION PLAN
(4 OF 5)



FILENAME	X203.DWG
SCALE	AS SHOWN

SHEET
X203

MATCHLINE - SEE X201

BERTH 2, BERTH 1

COMMENDENCIA SLIP

REMOVE AND DISPOSE
EXISTING 4" WATER LINE
SUSPENDED UNDERNEATH
BERTH 1

EXISTING BERTH 1
WATER VAULT

ABANDON IN PLACE APPROX.
104LF OF EXIST. 10" WM

DEMO FOR DISPOSAL EXISTING ABANDONED
VALVE PIT WALL, PIPE BOLLARDS, AND PIPES
TO MINIMUM 24" BELOW NEW FINISHED GRADE

(2) EXISTING 12" DIA. ABANDONED
ASPHALT CONVEYANCE PIPES TO
REMAIN (TYP.)

ABANDON IN PLACE
EXISTING WATER
VALVE MANHOLE

REMOVE SHIP SERVICE
PIPE ASSEMBLY

REMOVE APPROX.
23LF OF EXIST. 4" WM

REMOVE APPROX. 15LF OF
EXIST. 6" WM AND EXISTING
FIRE HYDRANT

ABANDON IN PLACE
APPROX. 230LF OF
EXIST. 10" WM

ABANDON IN PLACE APPROX.
64LF OF EXIST. 10" WM

ABANDON IN PLACE
EXISTING WATER
VALVE MANHOLE

REMOVE SHIP SERVICE
PIPE ASSEMBLY

REMOVE APPROX. 28LF
OF EXIST. 4" WM

ABANDON IN PLACE APPROX.
472LF OF EXIST. 10" WM

DEMOLISH EX. RAIL
(TYP.)

EXISTING FIRE HYDRANT
AND BRANCH (TO REMAIN)

ABANDON IN PLACE APPROX.
252LF OF EXIST. 10" WM

DEMOLISH EX. RAIL
(TYP.)

DEMOLISH APPROX. 158 LF OF
EXIST. RCP STORM SEWER

DEMOLISH APPROX. 48 LF OF
EXIST. RCP STORM SEWER

DEMOLISH EX. RAIL
(TYP.)

DEMOLISH APPROX. 12
LF OF EX. TWIN 18" PIPES

LOCATE AND REMOVE EXIST. 6" WM
TO FH. EXISTING FIRE HYDRANT AND
BOLLARDS

ABANDON IN PLACE
APPROX. 346LF OF
EXIST. 10" WM

ABANDON IN PLACE AND
GROUT FILL APPROX. 69LF
OF EXIST. 8" WM

WAREHOUSE 1

OFFSHORE
INLAND
PAINT BOOTH

WAREHOUSE 5

REMOVE APPROX. 29LF
OF EXIST. 4" WM

REMOVE SHIP SERVICE
PIPE ASSEMBLY

ABANDON IN PLACE APPROX.
461LF OF EXIST. 10" WM

ABANDON IN PLACE
EXISTING WATER
VALVE MANHOLE

REMOVE APPROX. 4LF OF
EXIST. 6" WM, EXISTING FIRE
HYDRANT AND BOLLARDS

ABANDON IN PLACE AND GROUT FILL
APPROX. 140LF OF EXIST. 12" WM

DEMOLISH EX. CATCH BASIN

DEMOLISH EX. CATCH BASIN

DEMOLISH APPROX. 125 LF OF
EXIST. RCP STORM SEWER

DEMOLISH APPROX. 58 LF OF
EXIST. RCP STORM SEWER

DEMOLISH EX. CATCH BASIN

REMOVE APPROX. 7LF OF
EXIST. 6" WM
AND EXISTING FIRE HYDRANT

ABANDON IN PLACE APPROX.
347LF OF EXIST. 12" WM

WAREHOUSE 2

DEMOLISH AND REMOVE
EXISTING CONCRETE RAMPS,
WEIGH STATION AND ALL
FOUNDATIONS. BACKFILL
WITH STRUCTURAL FILL

CONCRETE RAMP

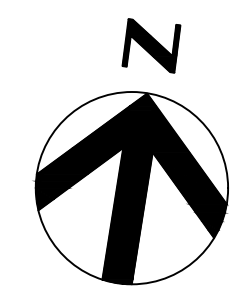
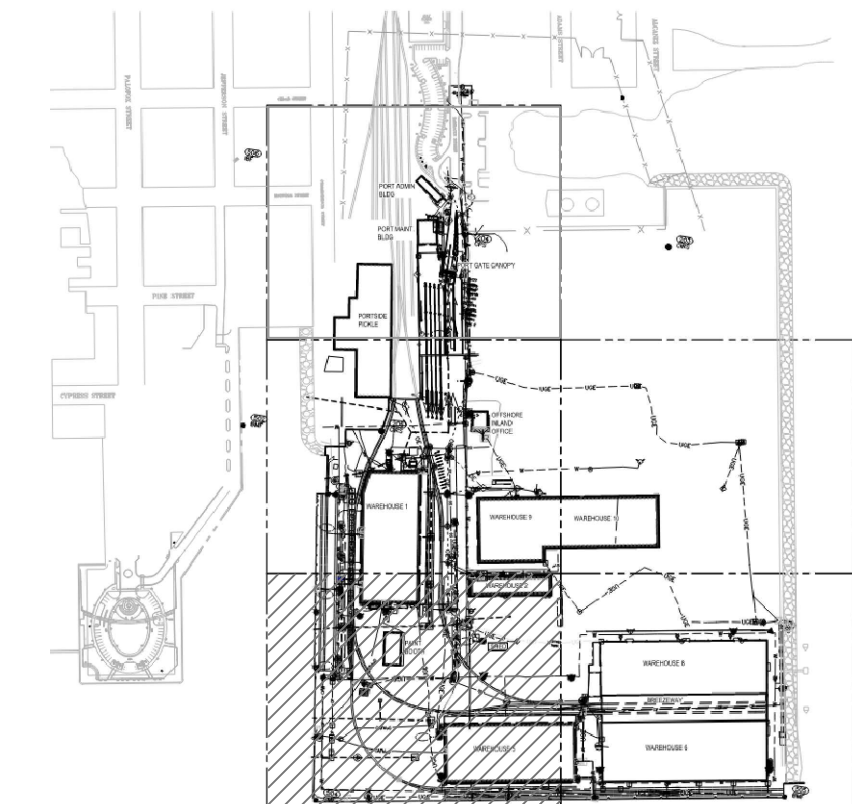
WEIGH STATION

CONCRETE RAMP

MATCHLINE - SEE X204

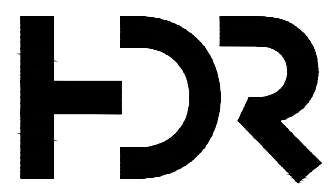
DEMOLITION LEGEND

- WATERLINE DEMOLITION
- RAIL, STORM SEWER, CATHODIC PROTECTION
AND MISC. DEMOLITION. FOR DEMOLITION OF
PAVEMENT AREAS REFER TO PAVING PLANS



SCALE: 1" = 40'

Plot Time: Tuesday, October 07, 2025 — 6:10pm Plotted by: JEH/EL
File Name: C:\pwworking\east01\44343785\X204.dwg Layout Name: Layout1



HDR Engineering, Inc.
25 W. Cedar Street, Suite 200
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Certificate of Authorization No. 4213

ISSUE	DATE	DESCRIPTION
A	OCT. 2025	ISSUED FOR BID

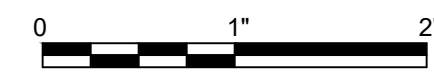
PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	JLH
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT

DEMOLITION PLAN
(5 OF 5)



FILENAME	X204.DWG
SCALE	AS SHOWN

SHEET
X204

FOR CONT. SEE DRAWING X203

WAREHOUSE 5

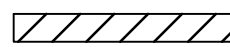
WAREHOUSE 8

BREEZEWAY

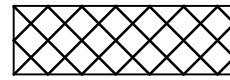
WAREHOUSE 6

FOR CONT. SEE DRAWING X202

DEMOLITION LEGEND



WATERLINE DEMOLITION



RAIL, STORM SEWER, CATHODIC PROTECTION
AND MISC. DEMOLITION. FOR DEMOLITION OF
PAVEMENT AREAS REFER TO PAVING PLANS

REMOVE APPROX. 9LF OF EXIST. 6" WM
AND EXISTING FIRE HYDRANT

REMOVE APPROX. 21LF OF
EXIST. 8" WM

REMOVE APPROX. 65LF OF EXIST. 10" WM

REMOVE APPROX. 4LF OF
EXIST. 6" WM AND EXISTING
FIRE HYDRANT

DEMOLISH EX. RAIL
(TYP.)

EXISTING FIRE HYDRANT (TO REMAIN)

ABANDON IN PLACE APPROX.
11LF OF EXIST. 10" WM

ABANDON IN PLACE AND GROUT
IN PLACE APPROX. 441LF OF
EXIST. 10" WM

REMOVE APPROX. 9LF OF EXIST. 6" WM
AND EXISTING FIRE HYDRANT

REMOVE APPROX.
21LF OF EXIST. 8" WM

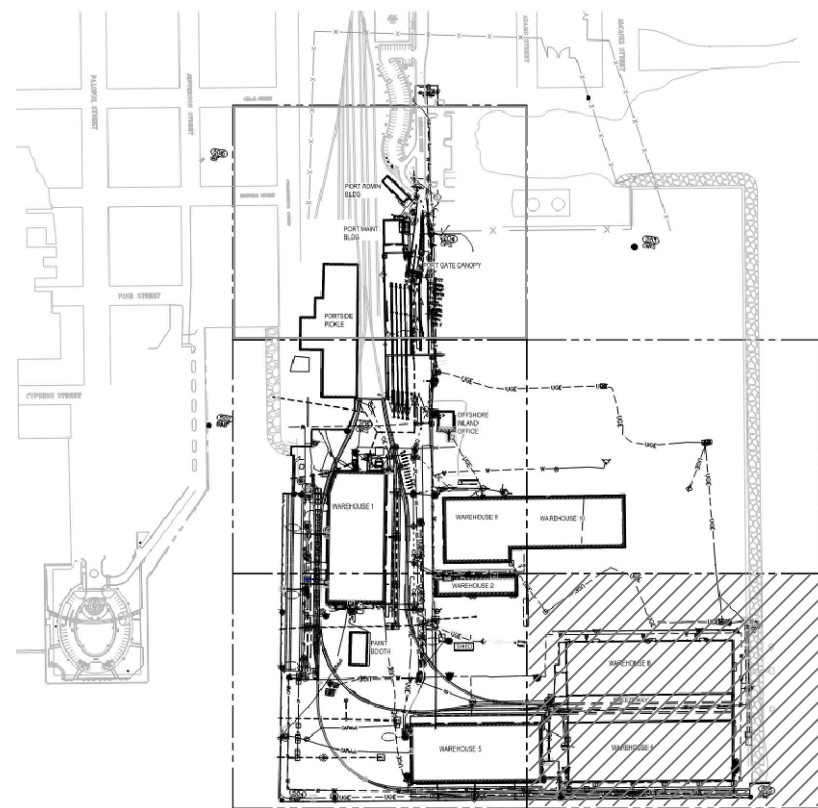
REMOVE APPROX.
21LF OF EXIST. 8" WM

EXISTING HDPE 12" WM (TO REMAIN)

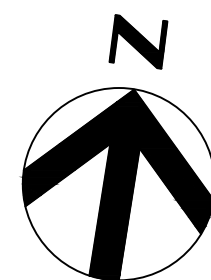
REMOVE APPROX. 28LF OF EXIST. 6" WM
AND EXISTING FIRE HYDRANT

EXISTING HDPE 12" WM (TO REMAIN)

EXISTING HDPE 12" WM (TO REMAIN)



KEYMAP



SCALE: 1" = 40'

Plot Time: Tuesday, October 07, 2025 — 8:20am Plotted by: PNCNTIRE
File Name: C:\pwworking\east01\44343785\W200.dwg Layout Name: Layout1



HDR Engineering, Inc.
25 W. Cedar Street, Suite 200
Pensacola, FL 32502
Certificate of Authorization No. 4213

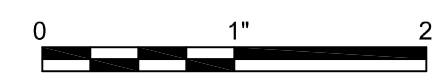
A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	EAF
CHECKED BY	HAC
DRAWN BY	WTP
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



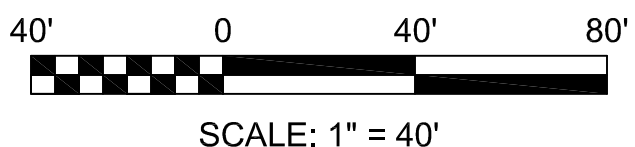
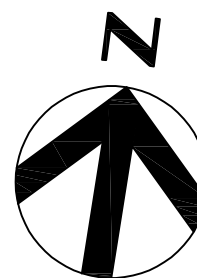
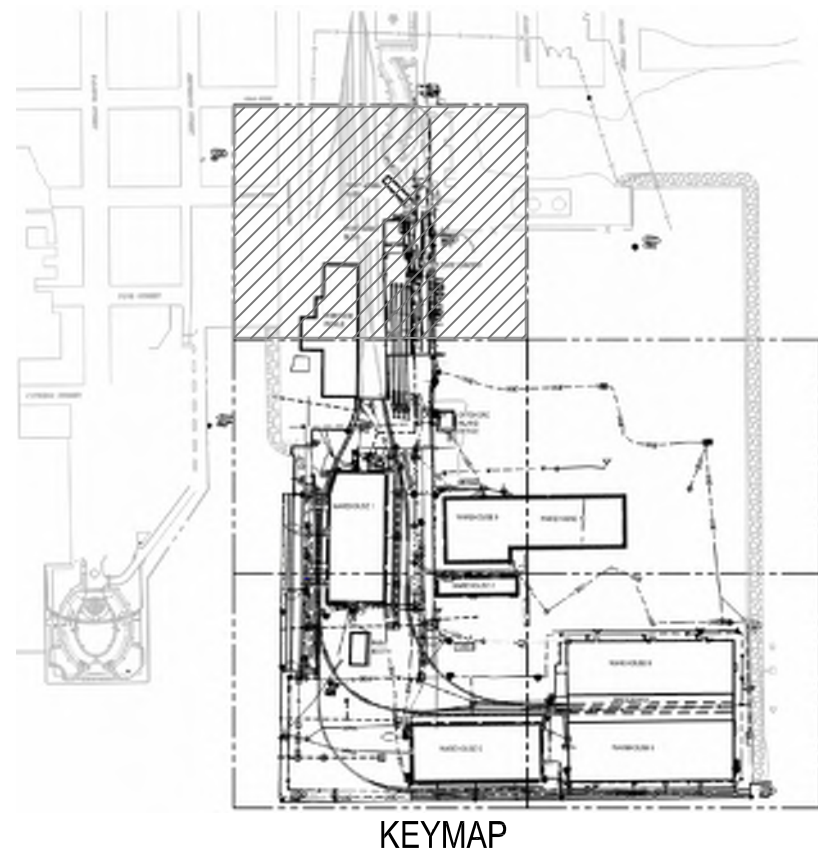
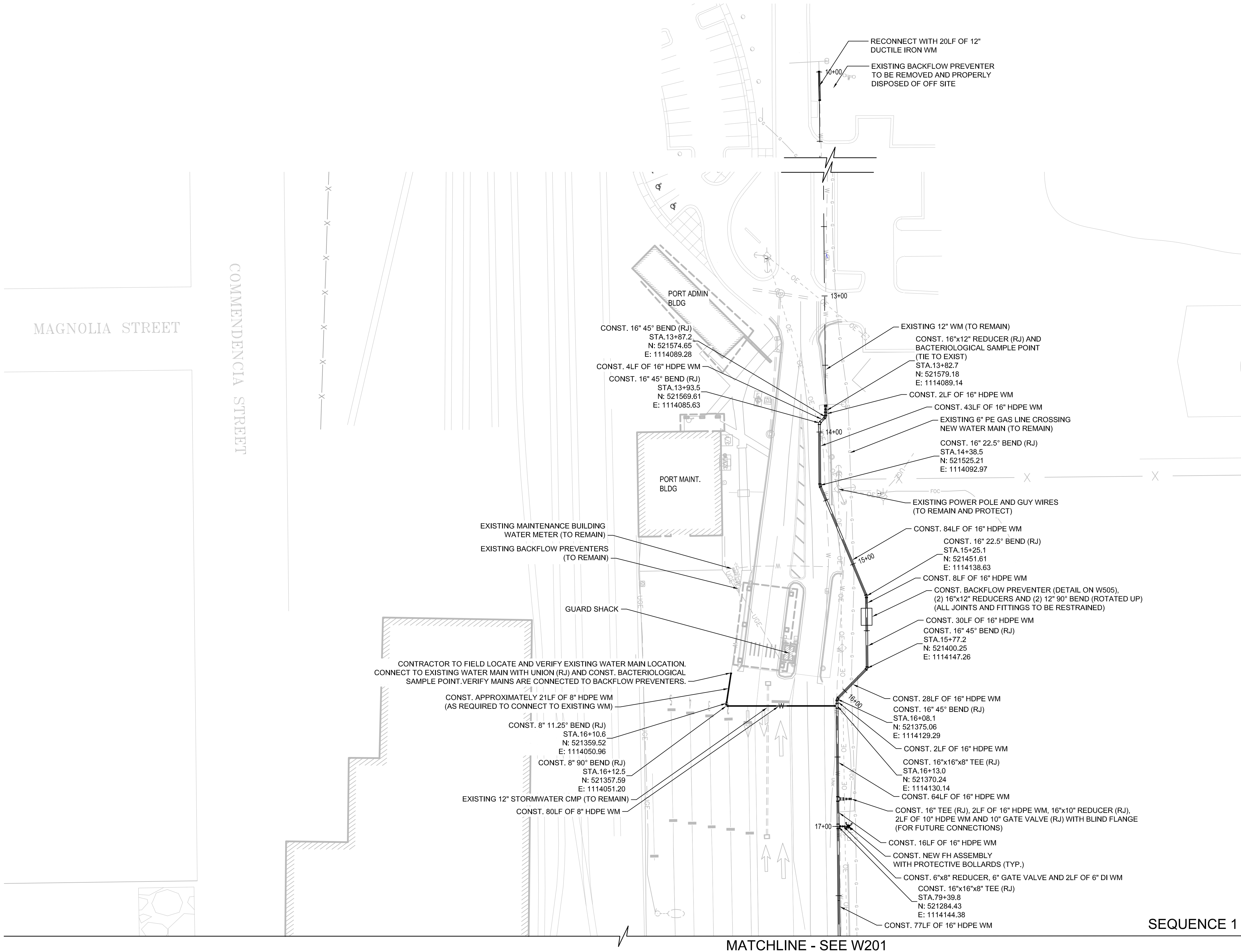
PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
NEW WATER LINES LOCATION PLAN
(1 OF 5)



FILENAME	W200.DWG
SCALE	AS SHOWN

SHEET
W200

- NOTE:
1. ADJUST ELEVATION TO MATCH NEW FINISHED PAVEMENT ON ALL CP BOXES, MANHOLE LIDS, VAULT LIDS, ETC.
 2. ALL PORT WATER DISTRIBUTION AND FIRE PROTECTION MUST REMAIN IN SERVICE DURING CONSTRUCTION. ANY OUTAGES MUST BE PLANNED AND APPROVED IN COORDINATION WITH THE PORT OF PENSACOLA PRIOR TO CONSTRUCTION.
 3. CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING AND VERIFYING ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 4. EXISTING WATER MAIN REMOVAL/PLUG AND FILLING PLANS CAN BE REFERENCED ON X200 DEMOLITION SERIES SHEETS.
 5. SURFACES AND OTHER EXISTING COMPONENTS DISTURBED DURING CONSTRUCTION OF WATER MAIN AND APPURTENANCES WILL BE COVERED UNDER RESPECTIVE ITEM INSTALLED IF NOT COVERED UNDER OTHER BID ITEM.



SCALE: 1" = 40'

Plot Time: Tuesday, October 07, 2025 — 8:24am Plotted by: PNCINTRE
File Name: C:\pwworking\eos01\434343785\W201.dwg Layout Name: Layout1



HDR Engineering, Inc.
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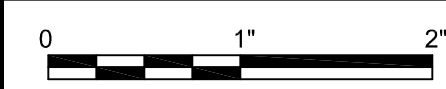
A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	EAF
CHECKED BY	HAC
DRAWN BY	WTP
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
NEW WATER LINES LOCATION PLAN
(2 OF 5)



FILENAME W201.DWG
SCALE AS SHOWN

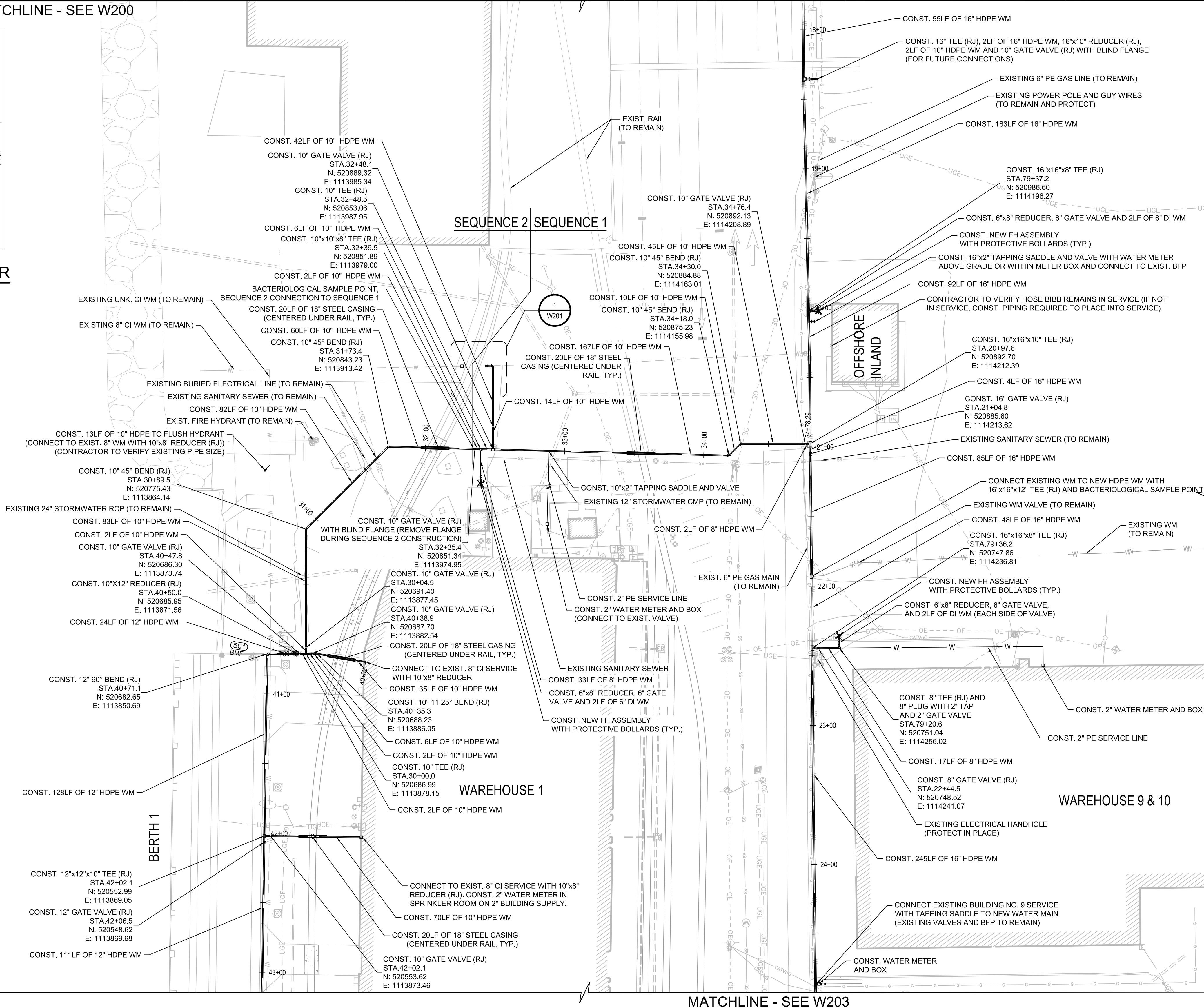
SHEET
W201

1
W201
PICKLEBALL WATER METER
1"=10'

NOTE:

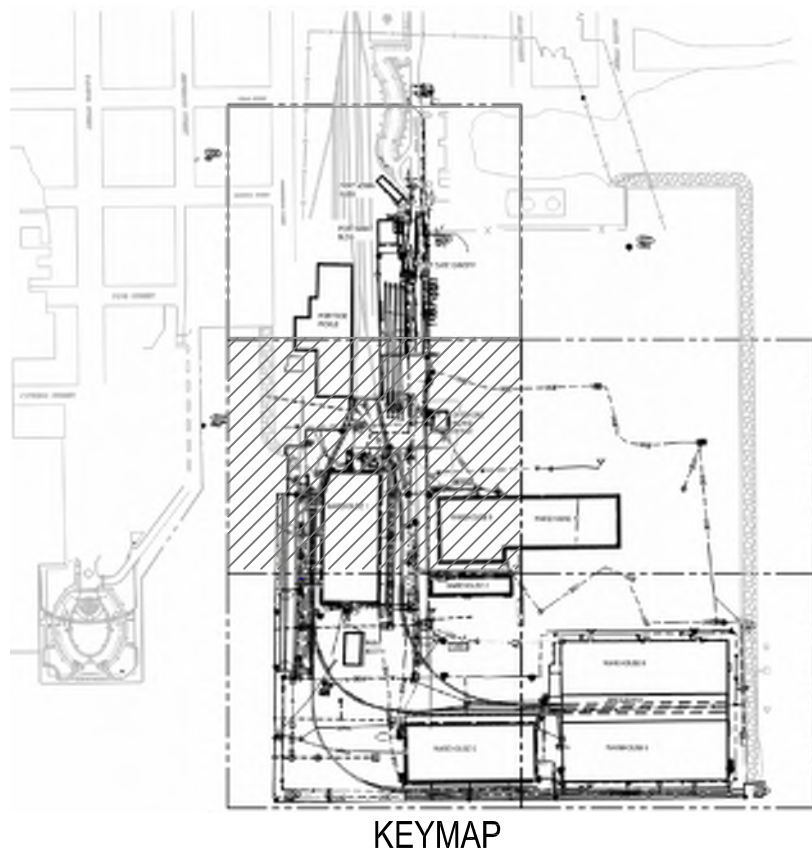
1. ADJUST ELEVATION TO MATCH NEW FINISHED PAVEMENT ON ALL CP BOXES, MANHOLE LIDS, VAULT LIDS, ETC.
2. ALL PORT WATER DISTRIBUTION AND FIRE PROTECTION MUST REMAIN IN SERVICE DURING CONSTRUCTION. ANY OUTAGES MUST BE PLANNED AND APPROVED IN COORDINATION WITH THE PORT OF PENSACOLA PRIOR TO CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING AND VERIFYING ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
4. EXISTING WATER MAIN REMOVAL/PLUG AND FILLING PLANS CAN BE REFERENCED ON X200 DEMOLITION SERIES SHEETS.
5. SURFACES AND OTHER EXISTING COMPONENTS DISTURBED DURING CONSTRUCTION OF WATER MAIN AND APPURTENANCES WILL BE COVERED UNDER RESPECTIVE ITEM INSTALLED IF NOT COVERED UNDER OTHER BID ITEM.

MATCHLINE - SEE W200



MATCHLINE - SEE W203

MATCHLINE - SEE W202



Plot Time: Tuesday, October 07, 2025 — 8:32am Plotted by: PNCINTIRE
File Name: C:\pwworking\ees01\44343785\W202.dwg Layout Name: Layout1

1

2

3

4

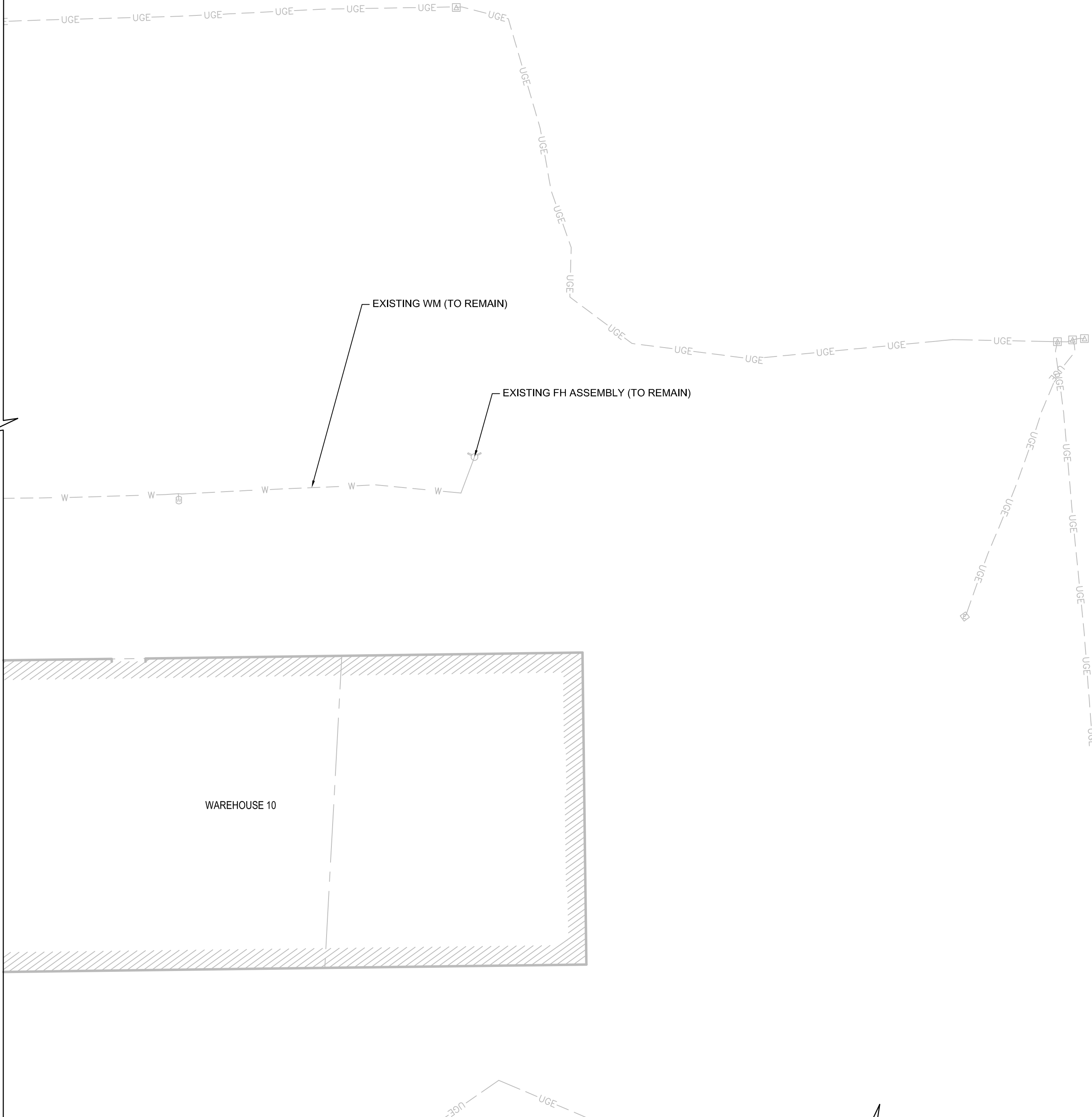
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6

7

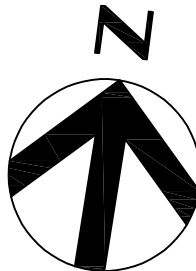
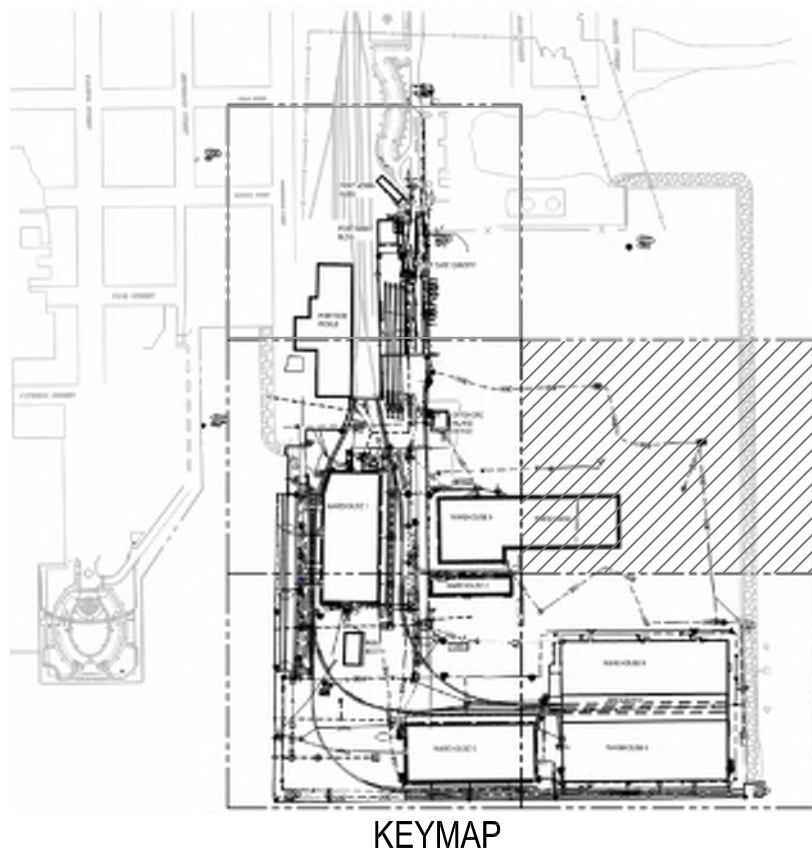
8

MATCHLINE - SEE W201



MATCHLINE - SEE W204

NOTE:
1. NO CONSTRUCTION ACTIVITIES ON THIS SHEET.



40' 0 40' 80'
SCALE: 1" = 40'



HDR Engineering, Inc.
25 W. Cedar Street, Suite 200
Pensacola, FL 32502
Certificate of Authorization No. 4213

A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	EAF
CHECKED BY	HAC
DRAWN BY	WTP
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
NEW WATER LINES LOCATION PLAN
(3 OF 5)

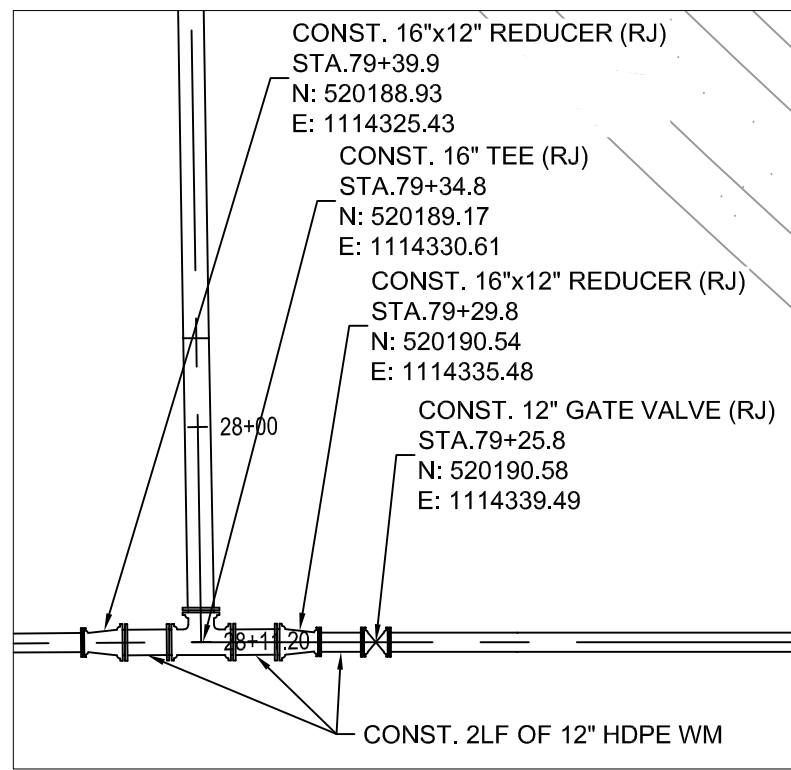
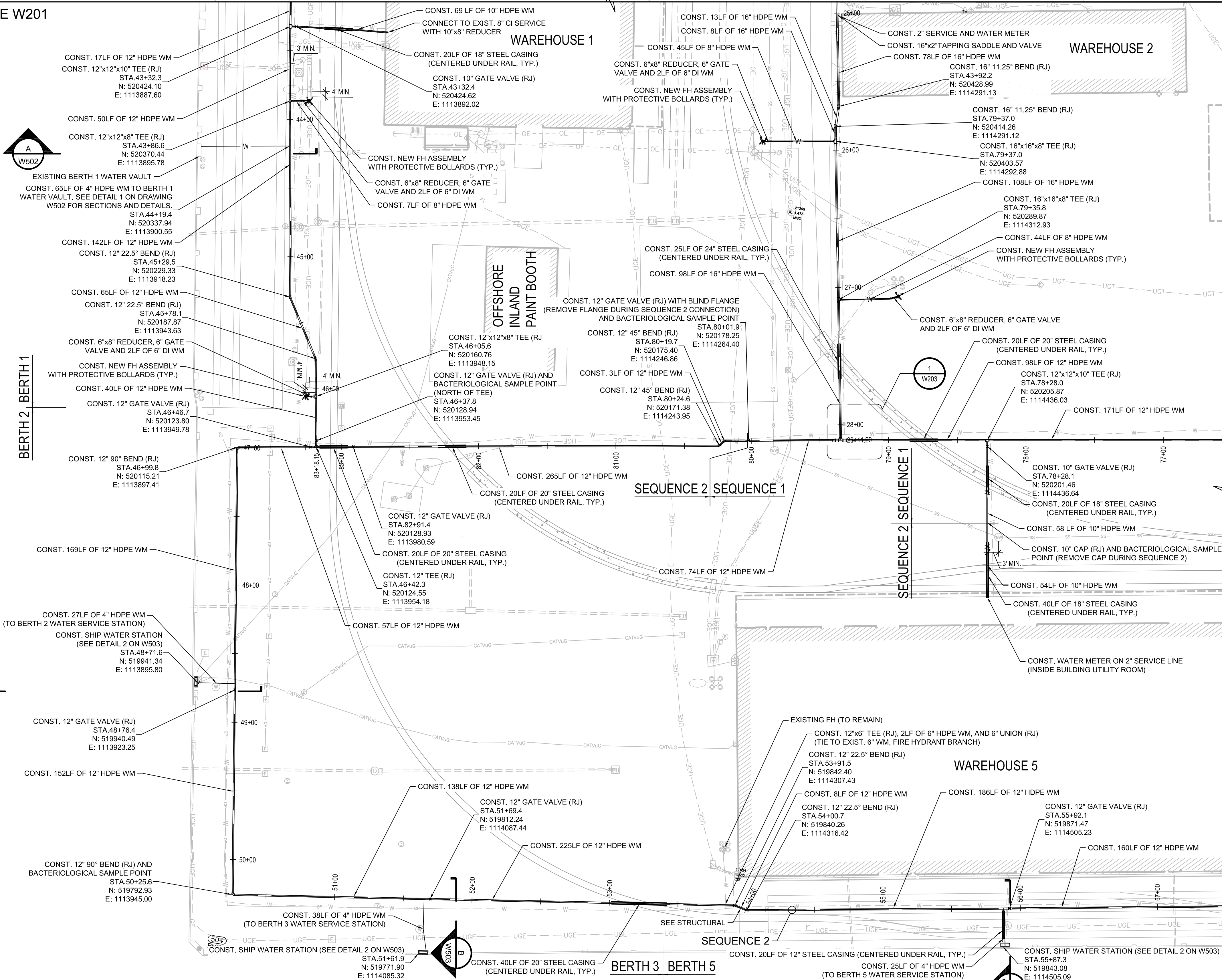
0 1" 2"

FILENAME W202.DWG
SCALE AS SHOWN

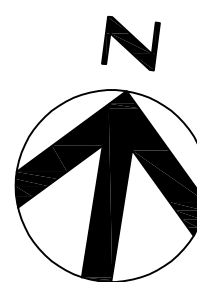
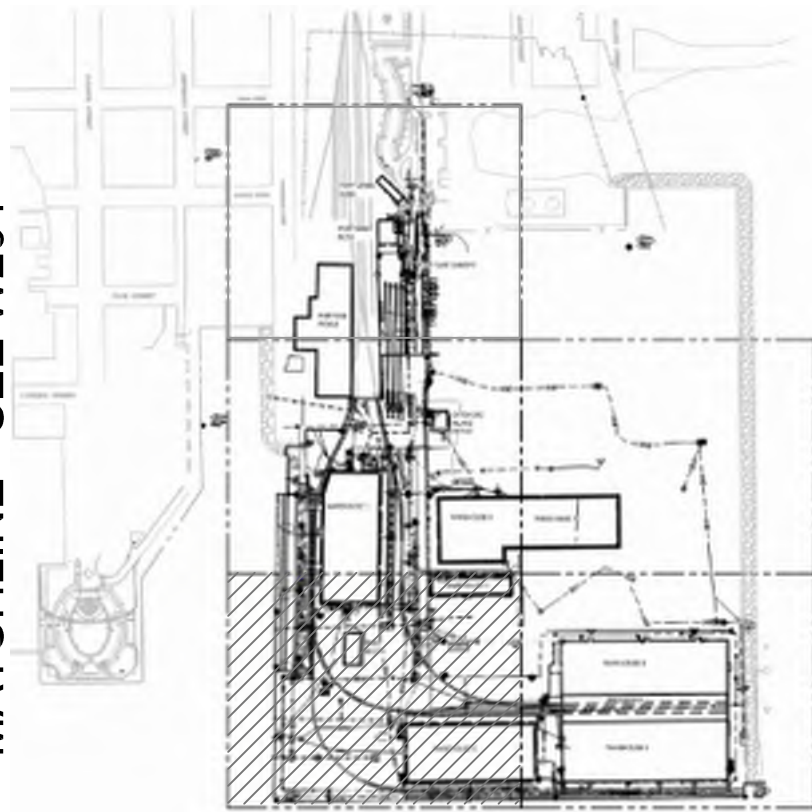
SHEET
W202

Plot Time: Tuesday, October 07, 2025 — 8:37am Plotted by: P\MCINTIRE
File Name: C:\pwworking\east01\434343785\W203.dwg Layout Name: Layout1

MATCHLINE - SEE W201



1 WATER MAIN BRANCHING
1"=10'



40' 0 40' 80'
SCALE: 1" = 40'

- NOTE:
- ADJUST ELEVATION TO MATCH NEW FINISHED PAVEMENT ON ALL CP BOXES, MANHOLE LIDS, VAULT LIDS, ETC.
 - ALL PORT WATER DISTRIBUTION AND FIRE PROTECTION MUST REMAIN IN SERVICE DURING CONSTRUCTION. ANY OUTAGES MUST BE PLANNED AND APPROVED IN COORDINATION WITH THE PORT OF PENSACOLA PRIOR TO CONSTRUCTION.
 - CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING AND VERIFYING ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 - EXISTING WATER MAIN REMOVAL/PLUG AND FILLING PLANS CAN BE REFERENCED ON X200 DEMOLITION SERIES SHEETS.
 - SURFACES AND OTHER EXISTING COMPONENTS DISTURBED DURING CONSTRUCTION OF WATER MAIN AND APPURTENANCES WILL BE COVERED UNDER RESPECTIVE ITEM INSTALLED IF NOT COVERED UNDER OTHER BID ITEM.



HDR Engineering, Inc.
25 W. Cedar Street, Suite 200
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A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	EAF
CHECKED BY	HAC
DRAWN BY	WTP
	-
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION

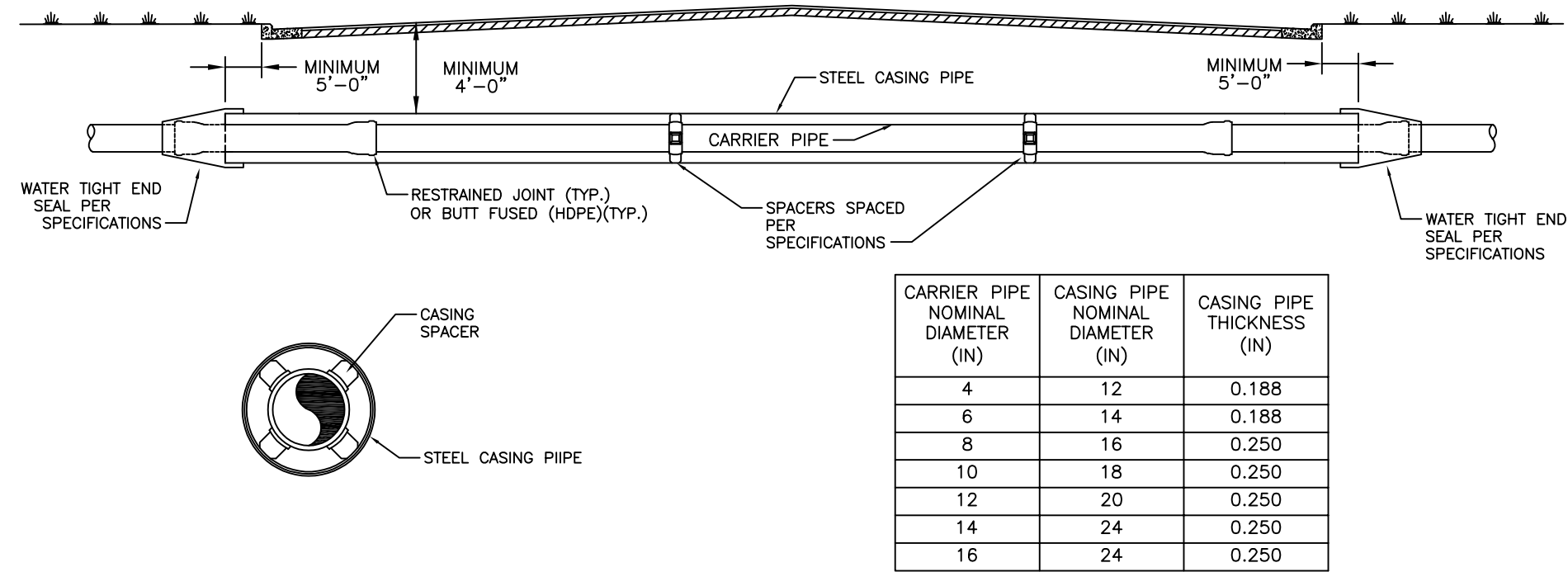


PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
NEW WATER LINES LOCATION PLAN
(4 OF 5)

0 1" 2"
SCALE: 1" = 40'

FILENAME W203.DWG
SCALE AS SHOWN

SHEET
W203



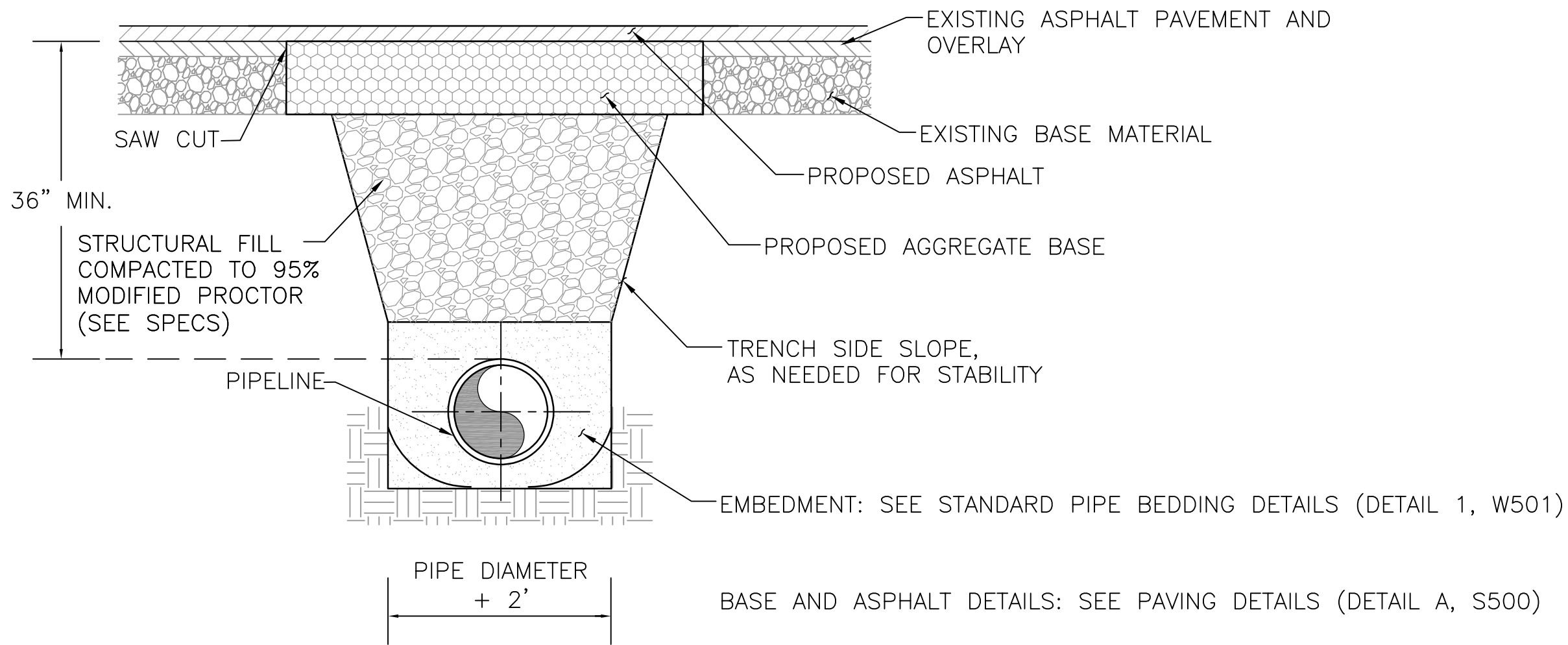
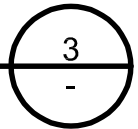
CARRIER PIPE NOMINAL DIAMETER (IN)	CASING PIPE NOMINAL DIAMETER (IN)	CASING PIPE THICKNESS (IN)
4	12	0.188
6	14	0.188
8	16	0.250
10	18	0.250
12	20	0.250
14	24	0.250
16	24	0.250

NOTES:

1. HDPE JOINTS INSIDE CASING PIPE SHALL BE BUTT FUSED.
2. ENDS OF CASING PIPE SHALL BE SEALED WATER TIGHT DUE TO RESTRAINT SIZE IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
3. CASING SPACERS TO BE INSTALLED IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
4. ENDS OF CASING PIPE SHALL EXTEND MINIMUM 5' BEYOND EDGE OF OUTER RAIL.

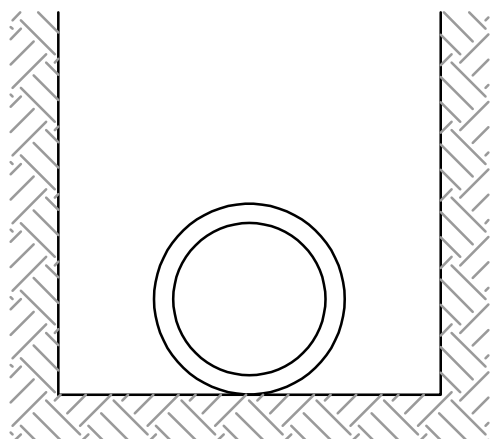
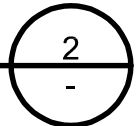
JACK AND BORE DETAIL

NTS

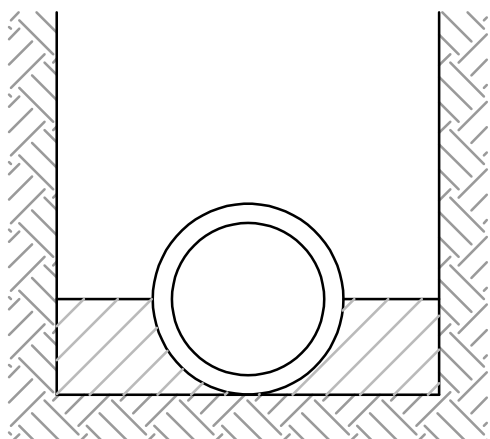


TYPICAL WATER MAIN INSTALLATION TRENCH DETAIL

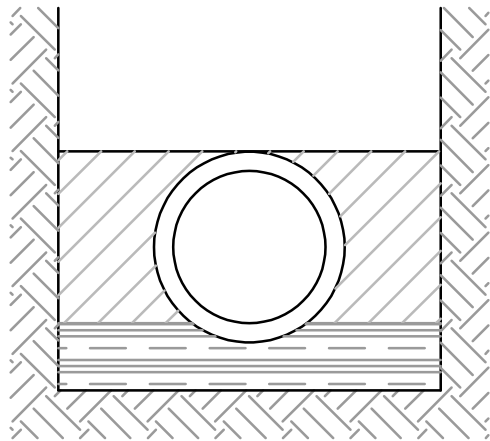
NTS



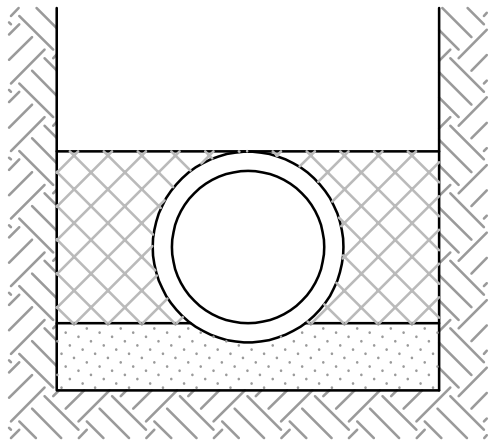
TYPE 1 *
FLAT-BOTTOM TRENCH. ** LOOSE
BACKFILL.



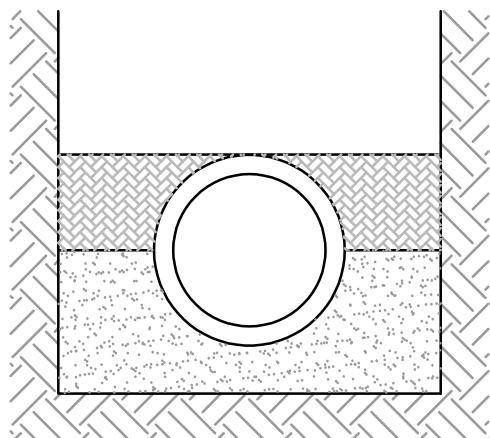
TYPE 2
FLAT-BOTTOM TRENCH. ** BACKFILL
LIGHTLY CONSOLIDATED TO
CENTERLINE OF PIPE.



TYPE 3
PIPE BEDDED IN 4-INCH MINIMUM
LOOSE SOIL. *** BACKFILL LIGHTLY
CONSOLIDATED TO TOP OF PIPE.



TYPE 4
PIPE BEDDED IN SAND, GRAVEL, OR
CRUSHED STONE TO DEPTH OF 1/8
PIPE DIAMETER, 4-INCH MINIMUM.
BACKFILL COMPACTED TO TOP OF
PIPE (APPROXIMATELY 80% STANDARD
PROCTOR, AASHTO T-99).



TYPE 5
PIPE BEDDED TO ITS CENTERLINE IN
COMPACTED GRANULAR MATERIAL, 4-INCH
MINIMUM UNDER PIPE. COMPACTED GRANULAR
OR SELECT MATERIAL*** TO TOP OF PIPE
(APPROXIMATELY 90% STANDARD PROCTOR,
AASHTO T-99).

NOTES:

CONSIDERATION OF THE PIPE-ZONE EMBEDMENT CONDITIONS INCLUDED IN THIS FIGURE MAY BE INFLUENCED BY FACTORS OTHER THAN PIPE STRENGTH. FOR ADDITIONAL INFORMATION ON PIPE BEDDING AND BACKFILL, SEE ANSI/AWWA C600.

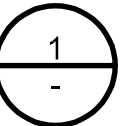
*FOR NOMINAL PIPE SIZES 14-INCH AND LARGER,
**FLAT BOTTOM IS DEFINED AS UNDISTURBED EARTH CONSIDERATION SHOULD BE GIVEN TO THE USE OF LAYING CONDITIONS OTHER THAN TYPE 1.

***"LOOSE SOIL" OR "SELECT MATERIAL" IS DEFINED AS "NATIVE SOIL EXCAVATED FROM THE TRENCH, FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH".

NOTE: TYPE 3 THROUGH TYPE 5 ARE ALLOWED ON THIS PROJECT. TYPE 1 AND TYPE 2 WILL NOT BE PERMITTED.

PIPE BEDDING AND BACKFILL

NTS



HDR Engineering, Inc.
25 W. Cedar Street, Suite 200
Pensacola, FL 32502
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PROJECT MANAGER	HAC
DESIGNED BY	EAF
CHECKED BY	HAC
DRAWN BY	WTP
	-
	-
	-
	-
PROJECT NUMBER	

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT

NEW WATER LINES
SECTIONS & DETAILS



FILENAME	W501.DWG
SCALE	NTS

SHEET
W501

1

2

3

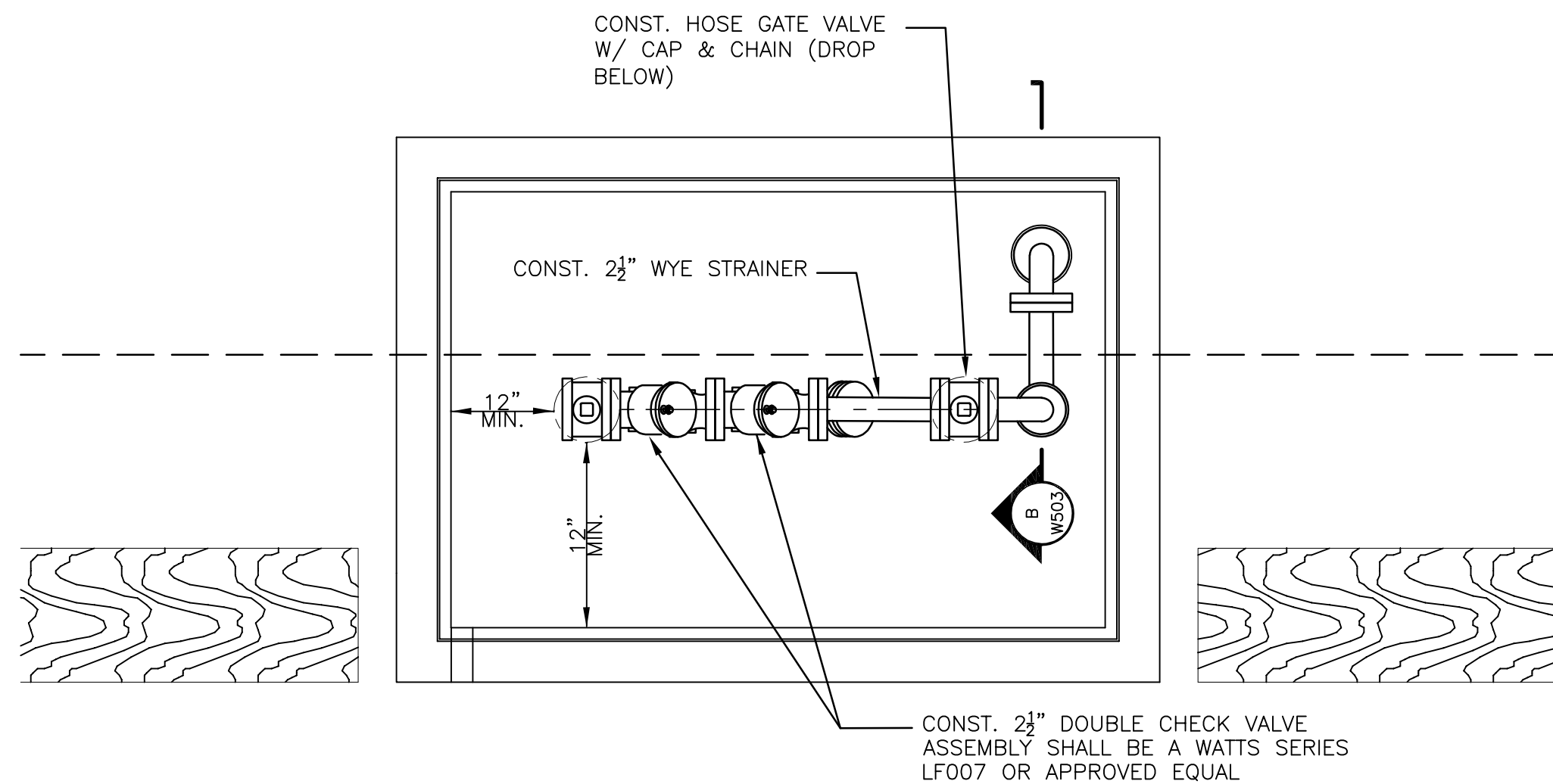
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5

6

7

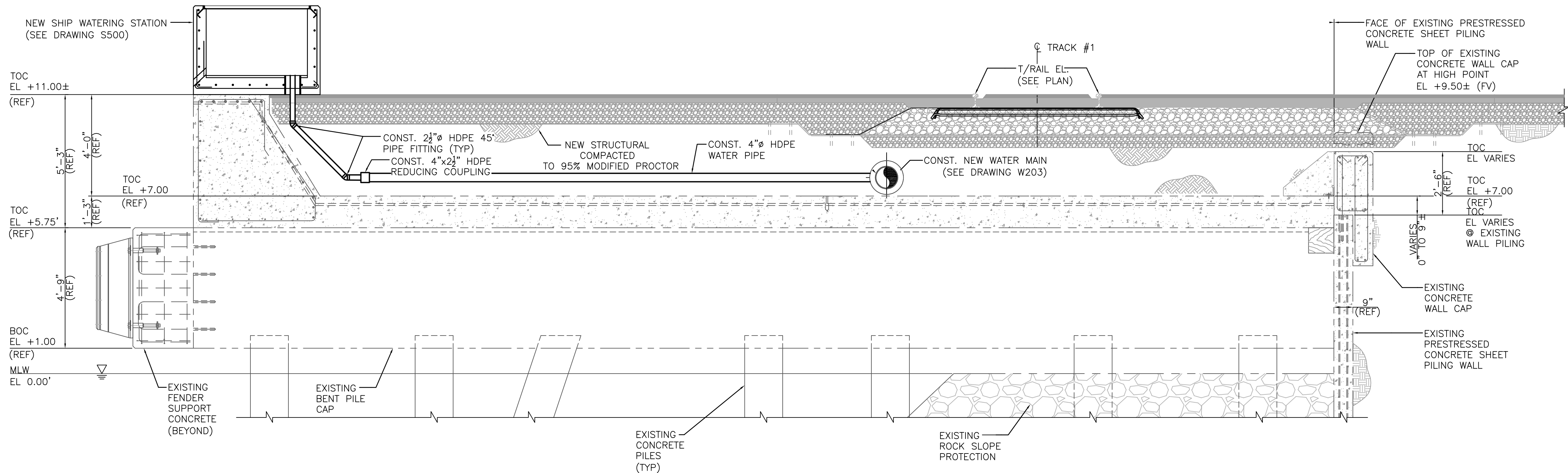
8



- NOTE:
1. MINIMUM CLEARANCE OF 12" BETWEEN PIPING AND BOTTOM OF WATER PIT.
 2. PIPING AND FITTINGS TO BE 2 1/2" SST AND FLANGED.

WATER PIT PIPING PLAN AT BERTH 2, 3, & 5

3/4"=1'-0"



SECTION B - BERTHS 2, 3, & 5 WATER PIT PIPING

1/4"=1'-0"

Plot Time: Tuesday, October 07, 2025 — 7:27am Plotted by: PMCONTIRE
File Name: C:\pwworking\eos01\434343785\W503.dwg Layout Name: W501



HDR Engineering, Inc.
25 W. Cedar Street, Suite 200
Pensacola, FL 32502
Certificate of Authorization No. 4213

A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	EAF
CHECKED BY	HAC
DRAWN BY	WTP
	-
	-
	-
	-
PROJECT NUMBER	

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT

NEW WATER LINES
SECTIONS & DETAILS



FILENAME W503.DWG
SCALE AS NOTED

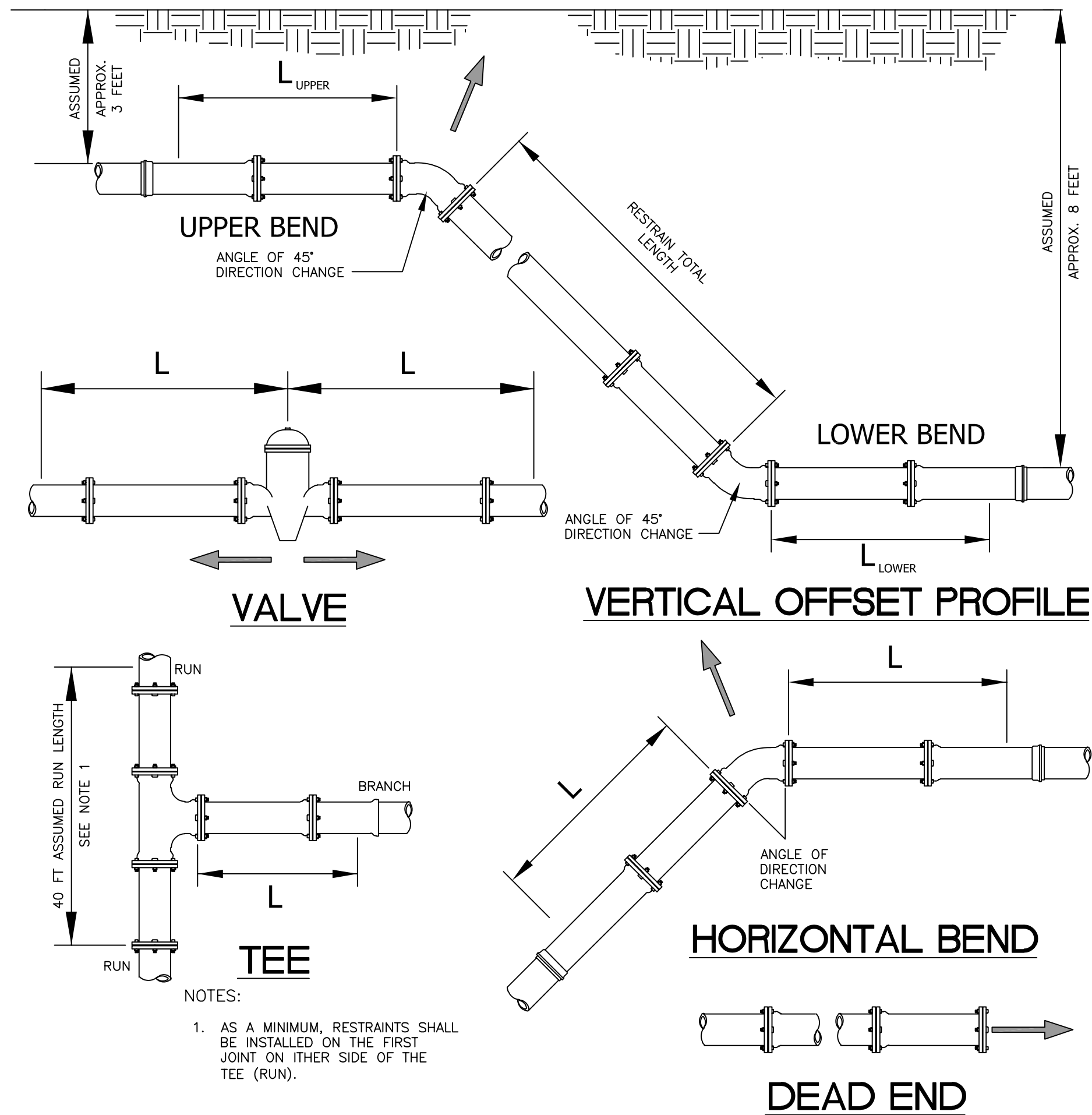
SHEET
W503

PIPE JOINT RESTRAINT TABULATION

SHOWING DISTANCES IN FEET FROM THE FITTING TO BE RESTRAINED
TO THE LAST RESTRAINING GLAND REQUIRED

PIPE SIZE AND TYPE	HORIZONTAL BENDS				DEAD ENDS	EQUAL TEES See note 3
	90 Deg.	45 Deg.	22.5 Deg.	11.25 Deg.		
3" DI	18	8	4	2	33	1
4" DI	22	9	4	2	39	1
6" DI	31	13	6	3	55	1
8" DI	40	17	8	4	72	1
10" DI	48	20	9	5	86	1
12" DI	56	23	11	5	101	1
16" DI	70	29	14	7	129	1
20" DI	84	35	17	8	156	18
24" DI	96	40	19	9	181	41
4" PVC	28	12	6	3	62	1
6" PVC	39	16	8	4	87	1
8" PVC	50	21	10	5	114	1
10" PVC	60	25	12	6	136	1
12" PVC	70	29	14	7	160	1
16" PVC	88	36	17	9	205	1
20" PVC	105	43	21	10	247	29
24" PVC	120	50	24	12	287	64

- NOTES :
1. Test pressure = 150 psi, soil group = SM, trench type = 3, depth = 2.5', safety factor = 2
 2. Restrained lengths for vertical offsets, reducers & unequal size tees must be individually calculated.
 3. With equal tees, the distances shown are with a run length of 40' as an example only. For other lengths and for unequal tees, individual calculations must be made.



RESTRAINED JOINTS

NTS

1



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DESIGNED BY	EAF
CHECKED BY	HAC
DRAWN BY	WTP
	-
	-
	-
	-
PROJECT NUMBER	

ISSUED FOR BID
NOT FOR CONSTRUCTION

PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECTNEW WATER LINES
SECTIONS & DETAILS

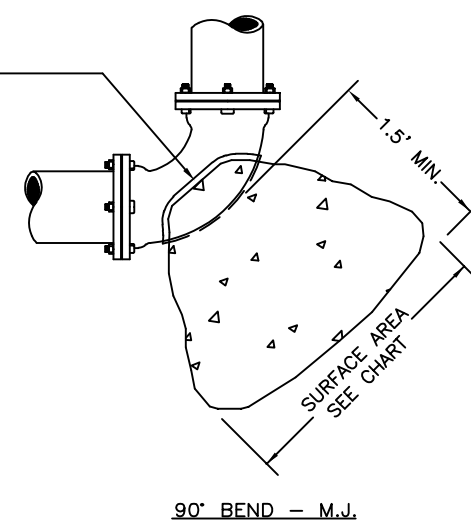
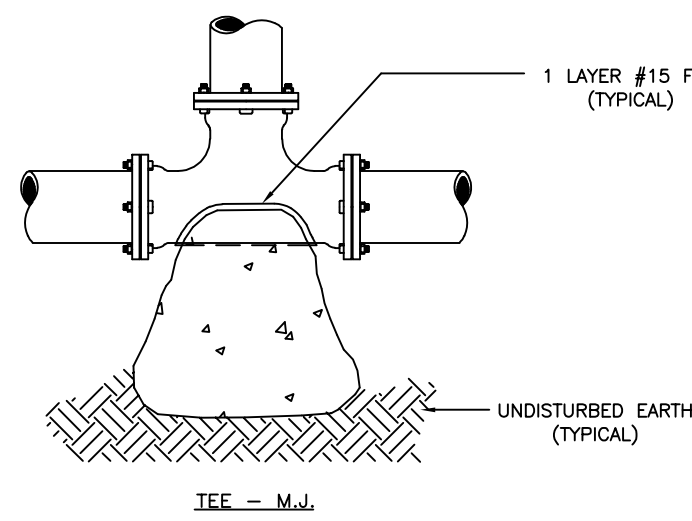
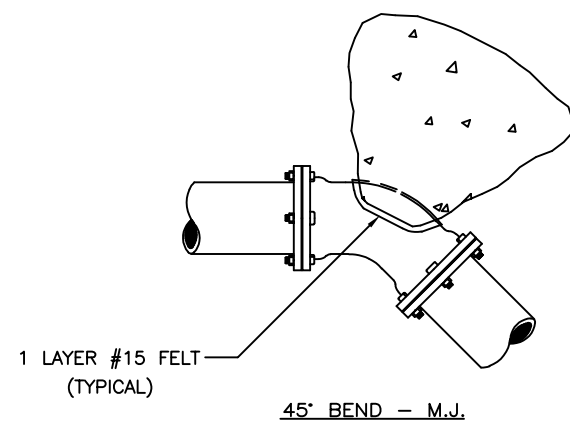
FILENAME	W504.DWG
SCALE	NTS

SHEET

W504

MINIMUM THRUST BLOCK DIMENSIONS:
SURFACE AREA AGAINST UNDISTURBED SOIL

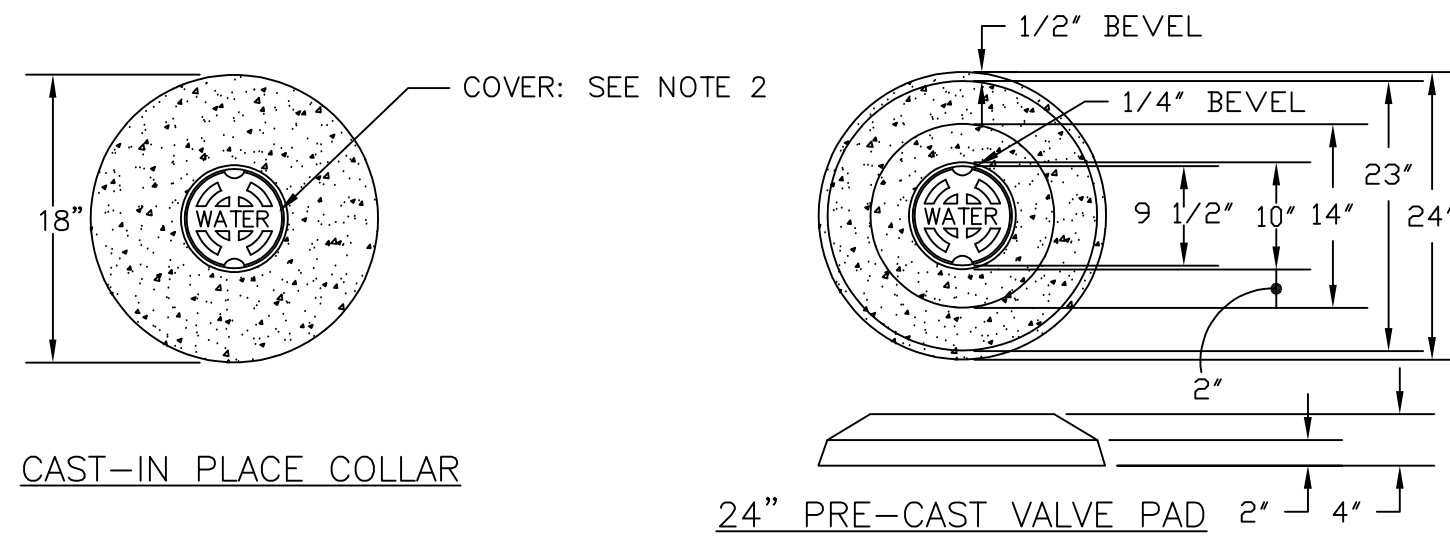
FITTING PIPE SIZE	DEAD END OR TEE	90° BEND	45° BEND	22.5° BEND
4"	1' X 2'	1.5' X 1.5'	1' X 1.5'	1' X 1'
6"	2' X 2'	2.5' X 2.5'	2' X 1.5'	1' X 1.5'
8"	2.25' X 3'	3' X 3'	2' X 2.5'	1.5' X 1.5'
10"	3.5' X 3'	4' X 3.75'	2.75' X 3'	2' X 2'
12"	4' X 4'	4' X 5'	3' X 4'	2' X 3'
16"	5' X 5.5'	6' X 6.5'	4' X 5'	3' X 3.5'



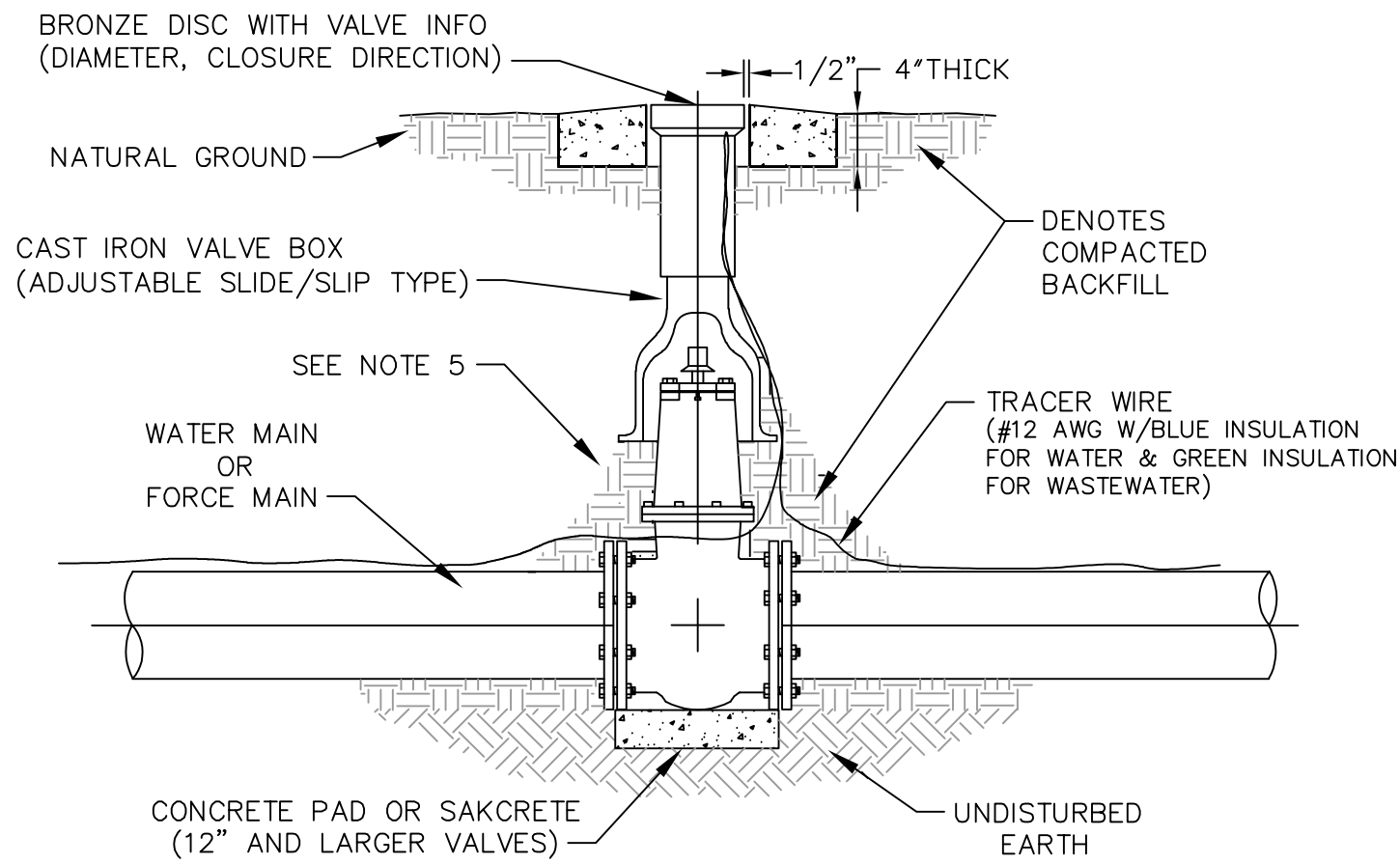
THRUST BLOCKS

NTS

2



CAST-IN PLACE COLLAR



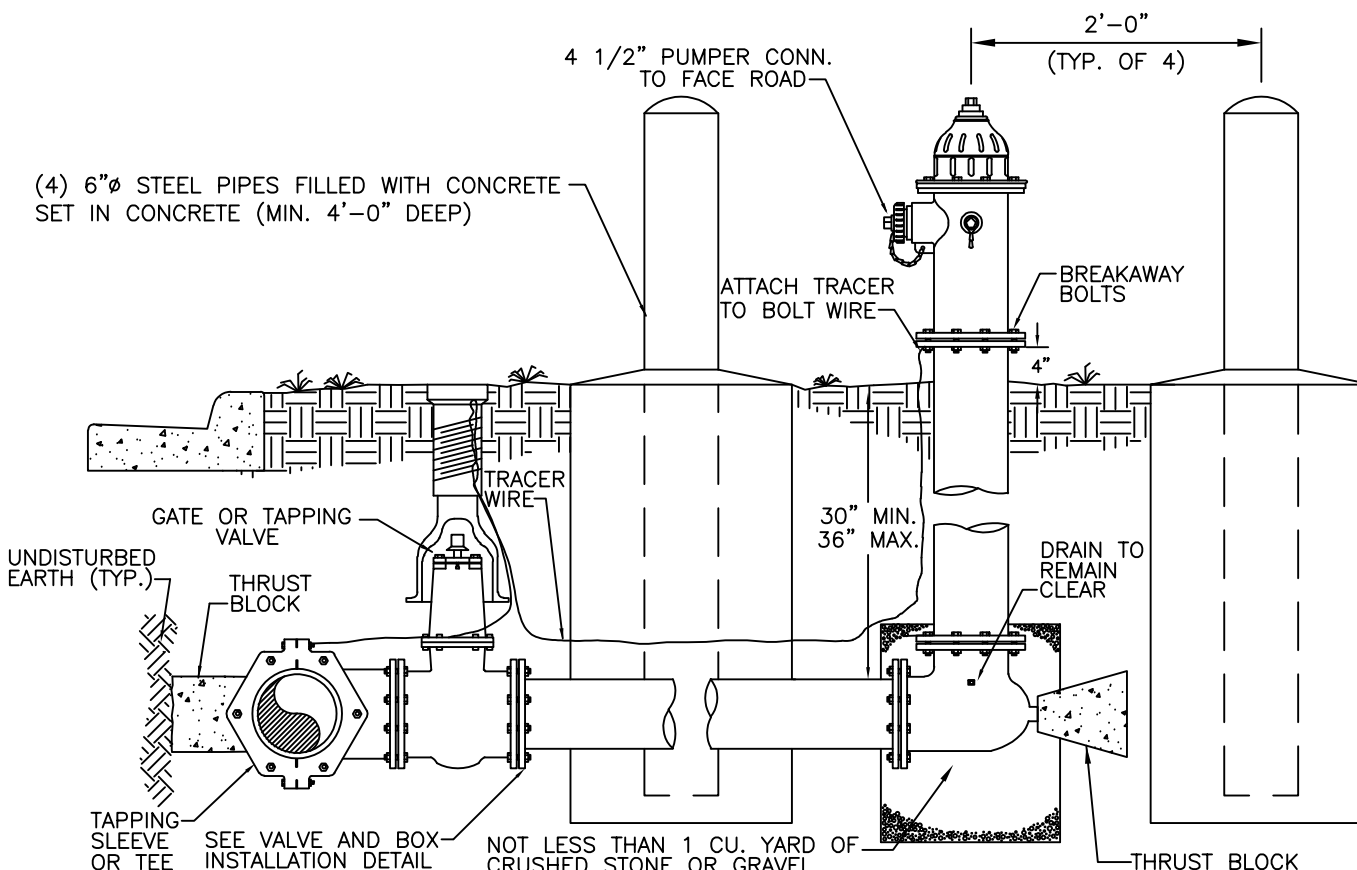
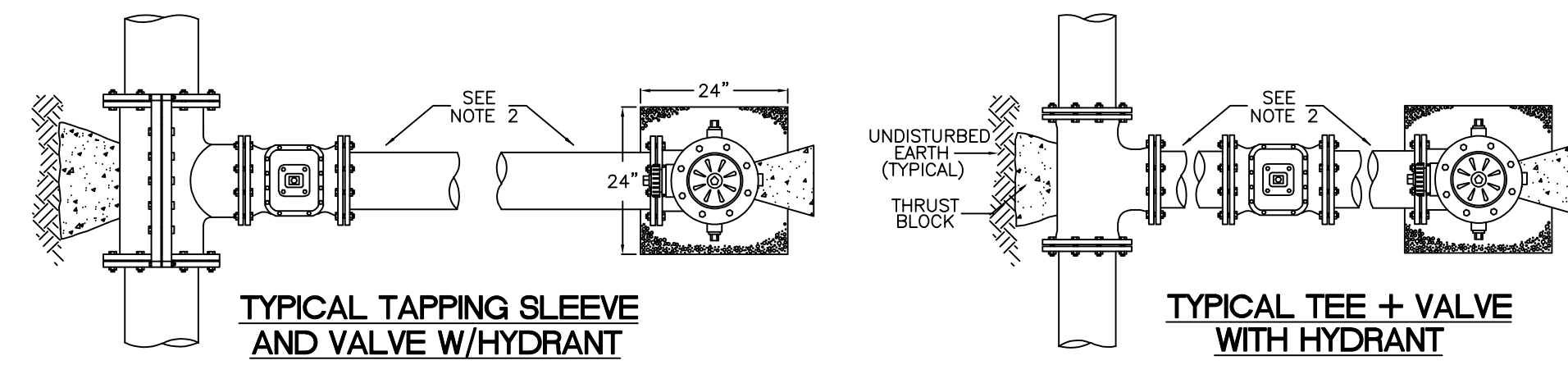
NOTES:

1. VALVE BOX AND BOOT SHALL BE CAST IRON.
2. VALVE COVER SHALL BE MARKED "WATER" OR "SEWER" AS APPLICABLE
3. VALVE BOX TOP & COLLAR SHALL BE FLUSH WITH FINISHED GRADE OR 1/2" ABOVE NATURAL GROUND LEVEL.
4. GATE VALVE SHALL BE RESILIENT SEAT WITH MECHANICAL JOINT ENDS.
5. EARTH UNDER FLANGE OF VALVE BOX & COLLAR TO BE FIRM AND WELL TAMPED TO ENSURE AGAINST VALVE BOX SETTLING.

VALVE BOX

NTS

3



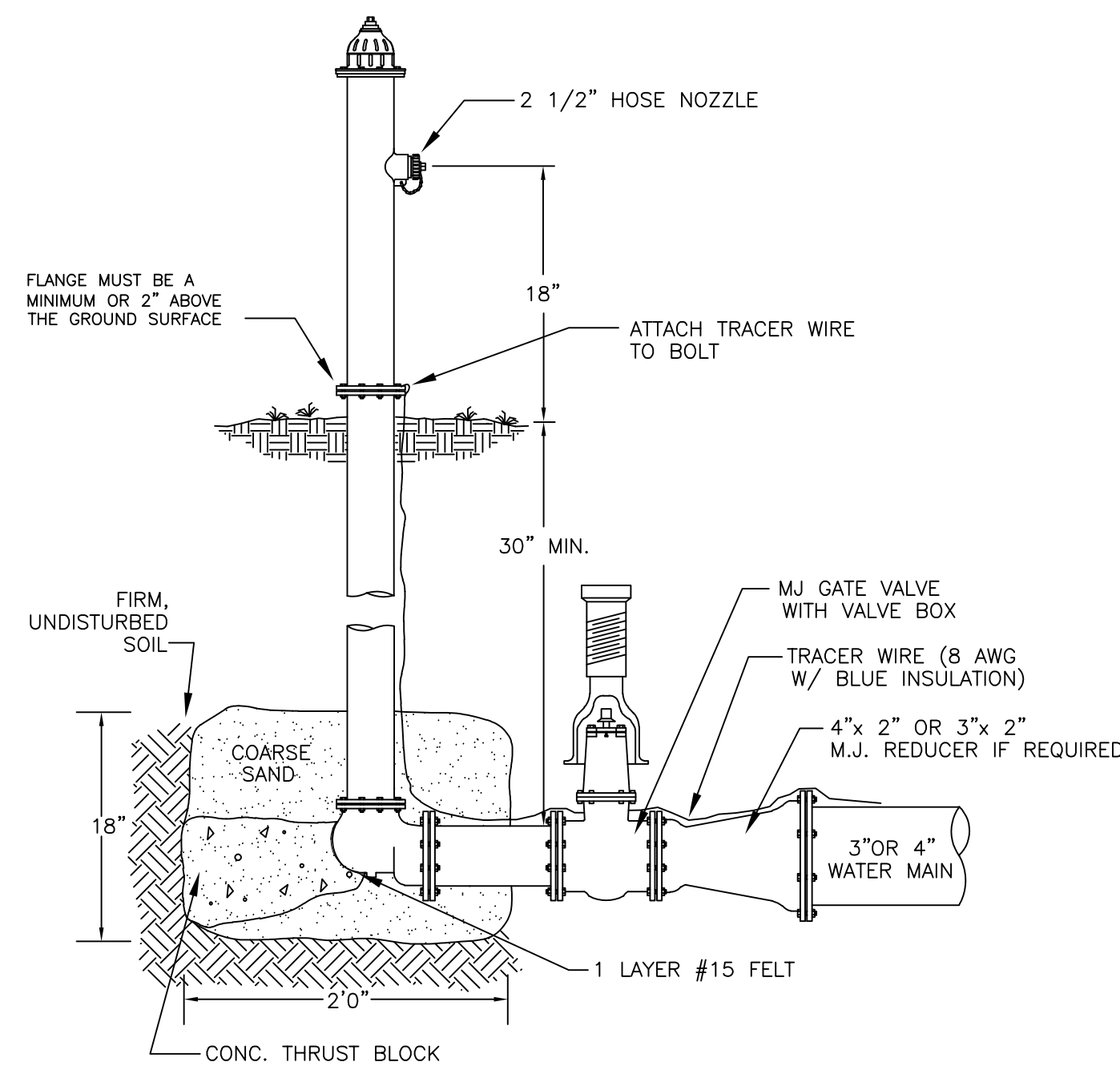
NOTES:

1. CONTRACTOR TO ADJUST FIRE HYDRANT TO FINISHED GRADE.
2. HYDRANT CONNECTORS (MIN 3' IN LENGTH) OR D.I.P. SPOOLS (MIN 3' IN LENGTH) WITH MEGALUG JOINT RESTRAINTS OR APPROVED EQUAL.

FIRE HYDRANT

NTS

2

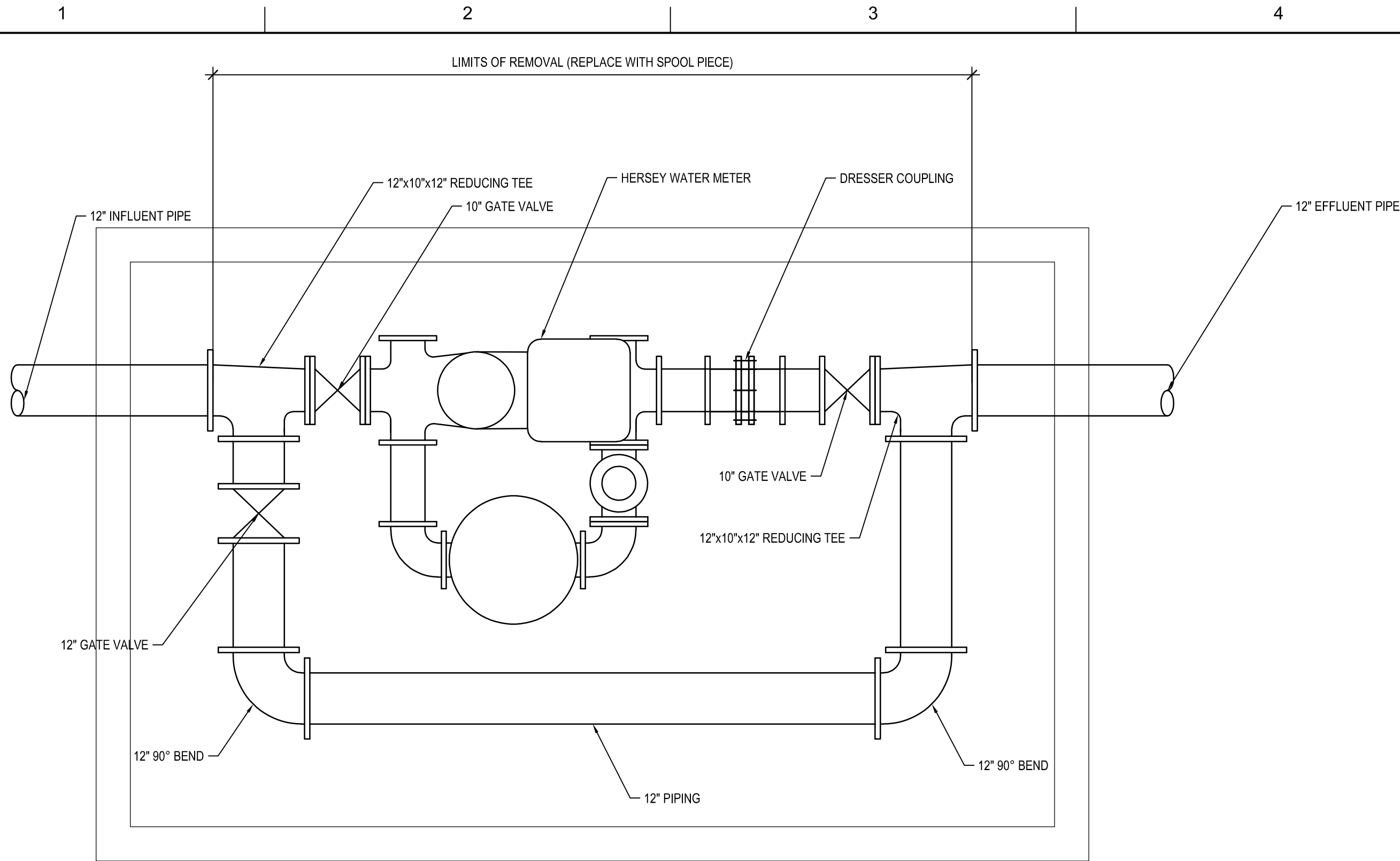


FLUSH HYDRANT

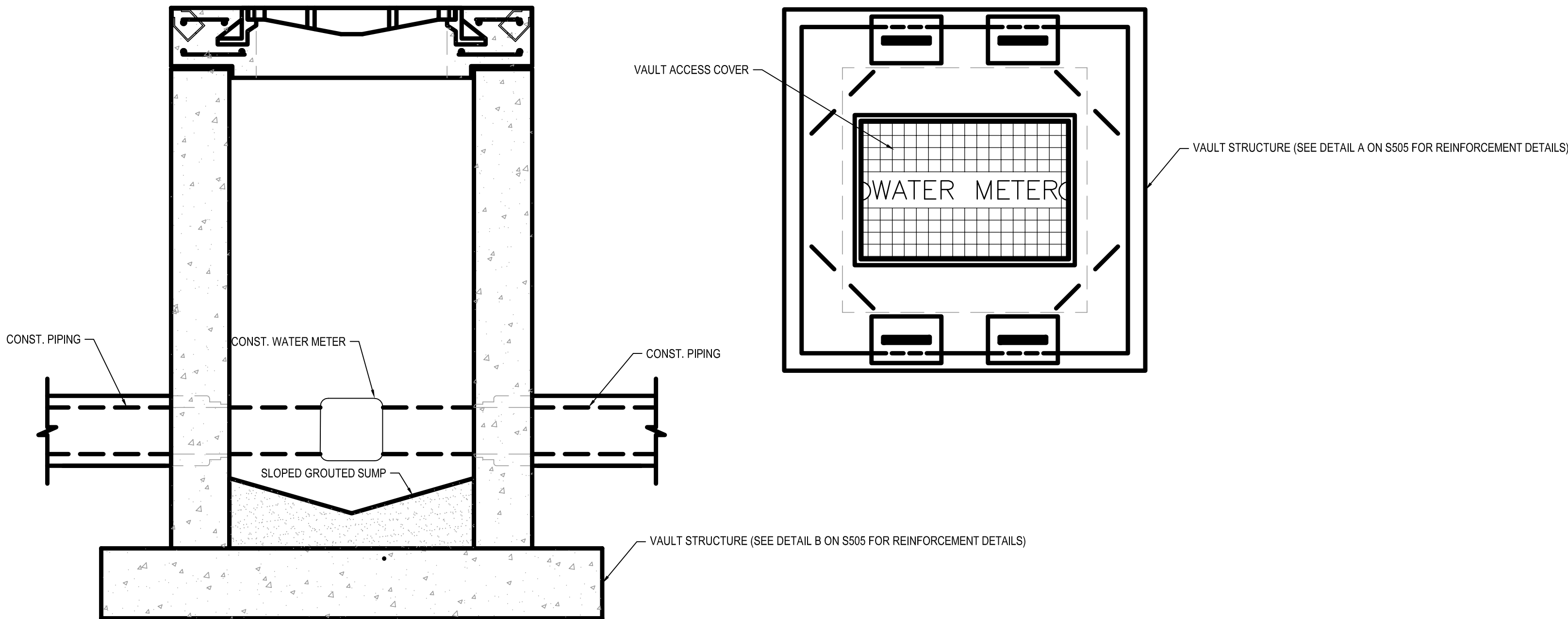
NTS

3

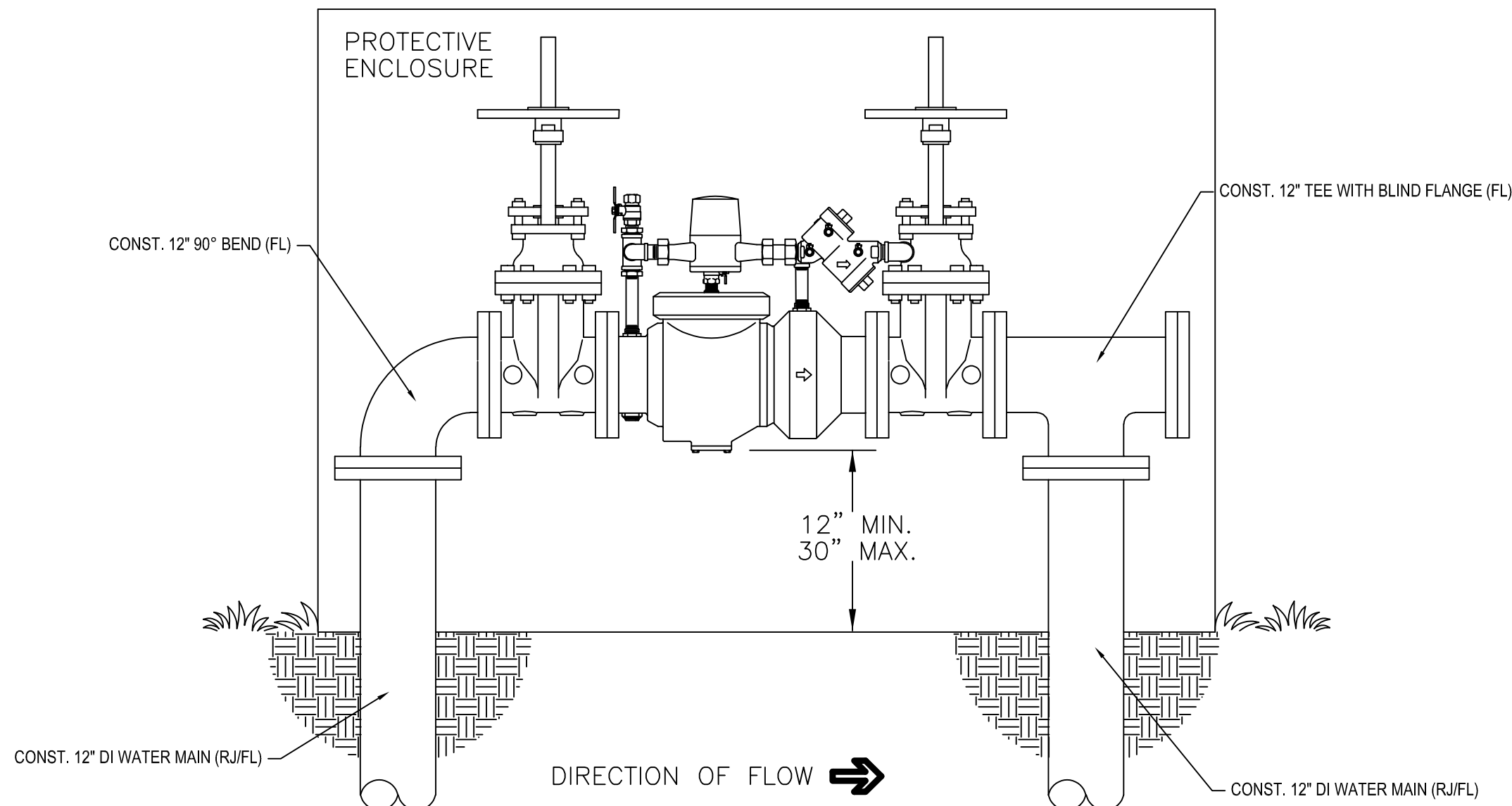
Plot Time: Monday, October 06, 2025 — 6:18pm Plotted by: PMCINTIRE
File Name: C:\pwworking\east01\4434343785\W505.dwg Layout Name: C-505



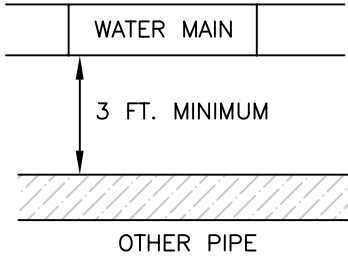
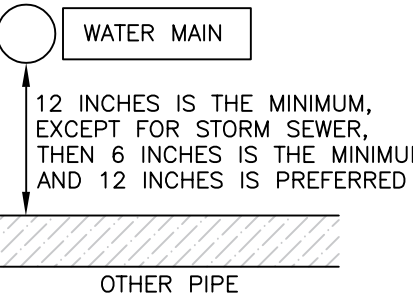
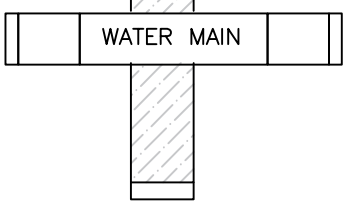
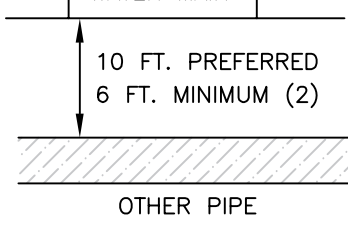
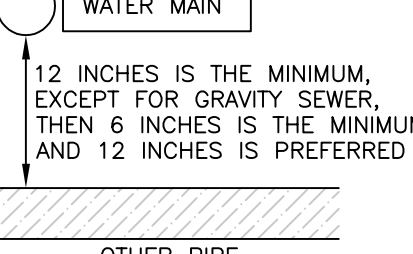
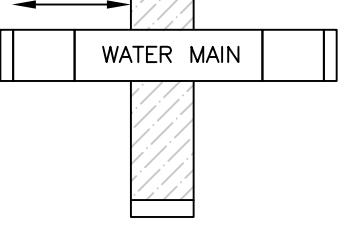
HERSEY WATER METER PIT
NTS



WATER METER VAULT
NTS



BACKFLOW PREVENTER - ABOVE GRADE INSTALL
NTS

OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (1)	JOINT SPACING @ CROSSINGS (FULL JOINT CENTERED)
STORM SEWER, STORMWATER FORCE MAIN			
GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN			

(1) WATER MAIN SHOULD CROSS ABOVE OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
(2) 3 FT. GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.

NOTES:
A. INFORMATION PROVIDED FROM FDEP RULE 62-555. IF OTHER FDEP RULES CONFLICT, THEN USE THE MOST STRINGENT RULE.
B. IF THERE ARE CONFLICTS IN THE SEPARATION REQUIREMENTS BETWEEN COLLECTION SYSTEMS AND DRINKING WATER FACILITIES ESTABLISHED IN FOOTNOTES (1) AND (2) ABOVE AND THOSE ESTABLISHED IN CHAPTER 62-532 OR 62-555, F.A.C., THEN THE REQUIREMENTS IN CHAPTER 62-532 OR 62-555, F.A.C., SHALL APPLY.

WATER/SEWER SEPARATION
NTS



HDR Engineering, Inc.
25 W. Cedar Street, Suite 200
Pensacola, FL 32502
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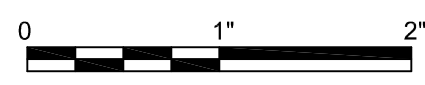
PROJECT MANAGER	HAC
DESIGNED BY	EAF
CHECKED BY	HAC
DRAWN BY	WTP
	-
	-
	-
	-
PROJECT NUMBER	

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT

NEW WATER LINES
SECTIONS & DETAILS



FILENAME W505.DWG
SCALE NTS

SHEET
W505

Plot Time: Monday, October 06, 2025 - 6:25pm Plotted by: PMCNTIRE
File Name: C:\pwworking\east01\44343785\0200.dwg Layout Name: Layout1



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ISSUE

DATE

DESCRIPTION

A

OCT. 2025

ISSUED FOR BID

PROJECT MANAGER
DESIGNED BY
CHECKED BY
DRAWN BY

HAC
HAC
HAC
PEM

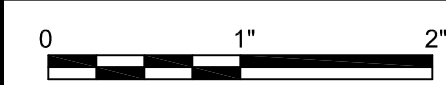
PROJECT NUMBER

10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
DRAINAGE SYSTEM SITE PLAN
(1 OF 2)



FILENAME
SCALE

D200.DWG
AS SHOWN

SHEET

D200

1

2

3

4

5

6

7

8

SEE INSERT A - FOR STORM SEWER TERMINATION

(S-103)
NORTHING: 521141.1476 (S-103)
EASTING: 1114113.7987
GRATE EL. 4.82'
INVERT EL. 2.18' N
INVERT EL. 2.18' S
CONST. PORT INLET
SEE DETAIL ON S-505

CONST. 108 LF OF
18" CLASS V RCP

CONST. 18" CONCRETE COLLAR
PER FDOT INDEX 430-001

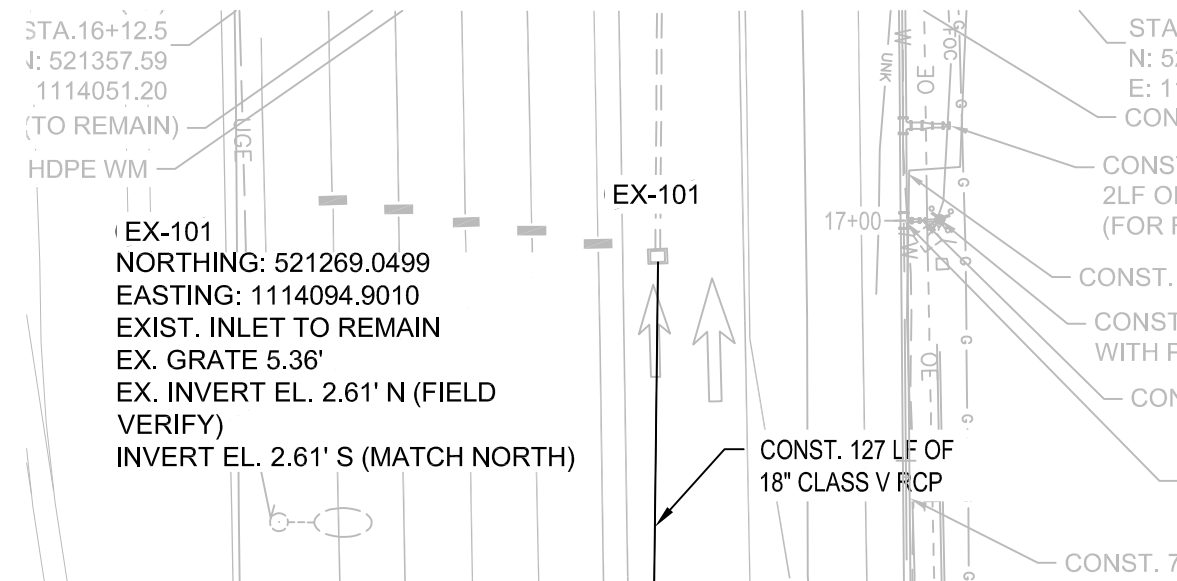
PORTSIDE
PICKLE

OFFSHORE
INLAND

WAREHOUSE 1

WAREHOUSE 9 & 10

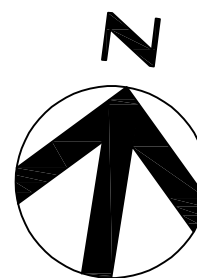
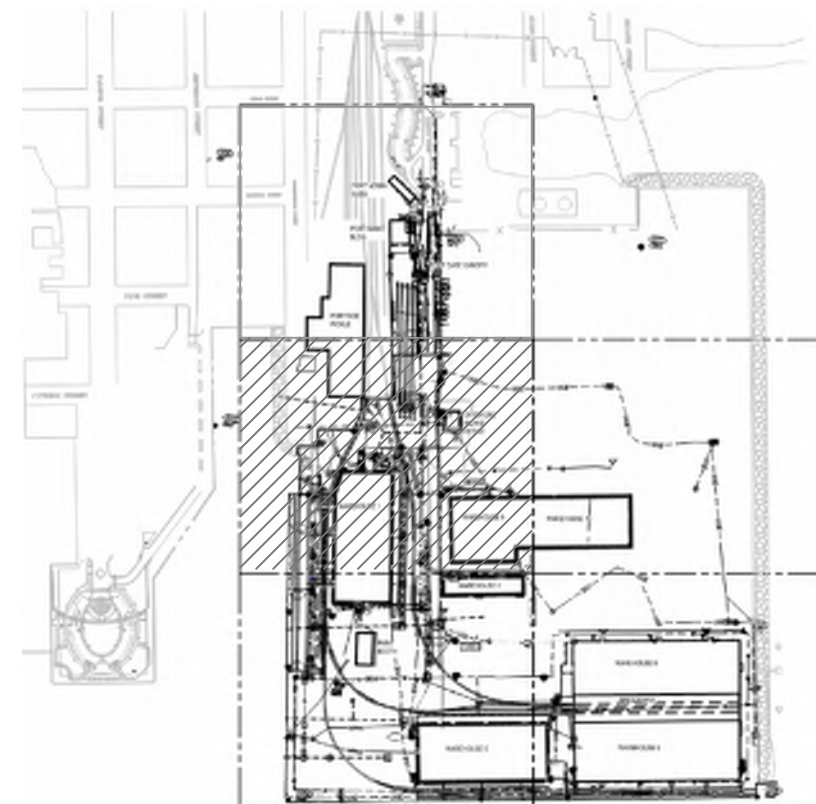
MATCHLINE SEE D201



INSERT A - STORM SEWER TERMINATION

NOTE:

- ADJUST ELEVATION TO MATCH NEW FINISHED PAVEMENT ON ALL CP BOXES, MANHOLE LIDS, VAULT LIDS, ETC.
- EXISTING DRAINAGE FEATURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.



40' 0 40' 80'
SCALE: 1" = 40'

Plot Time: Monday, October 06, 2025 — 6:29pm Plotted by: PMCNTIRE
File Name: C:\pwworking\east01\44343785\0201.dwg Layout Name: Layout1



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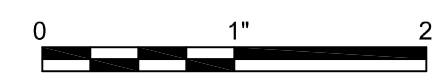
A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

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PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
DRAINAGE SYSTEM SITE PLAN
(2 OF 2)



FILENAME D201.DWG
SCALE AS SHOWN

SHEET
D201

MATCHLINE - SEE D200

BERTH 2, BERTH 1

WAREHOUSE 1

OFFSHORE
INLAND
PAINT BOOTH

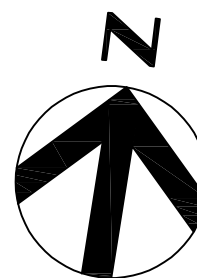
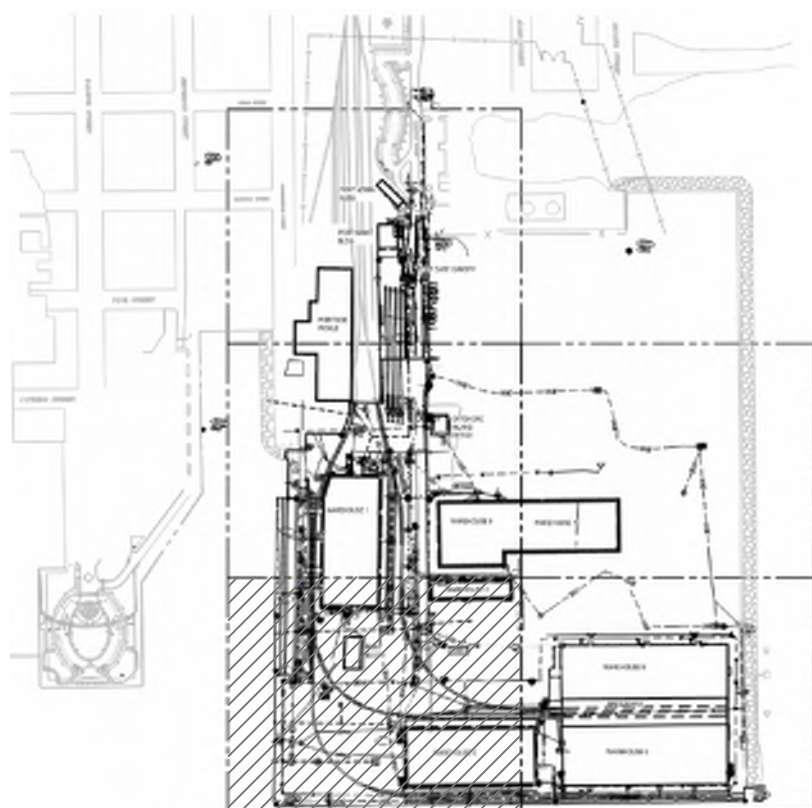
WAREHOUSE 2

WAREHOUSE 5

BERTH 3 BERTH 5

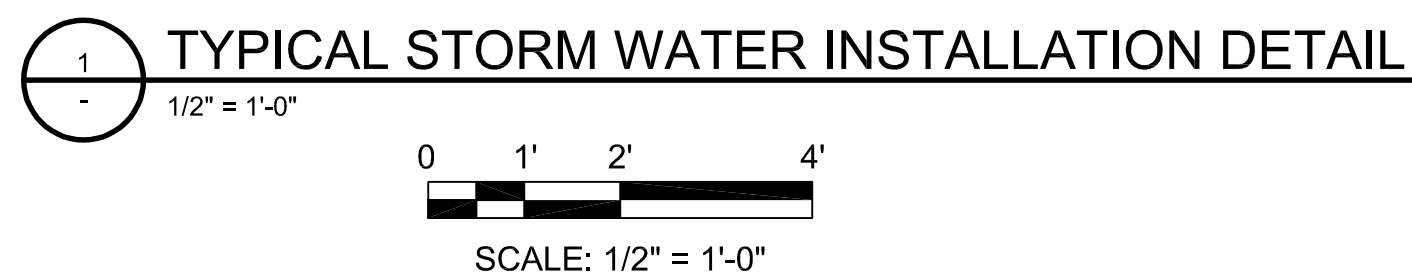
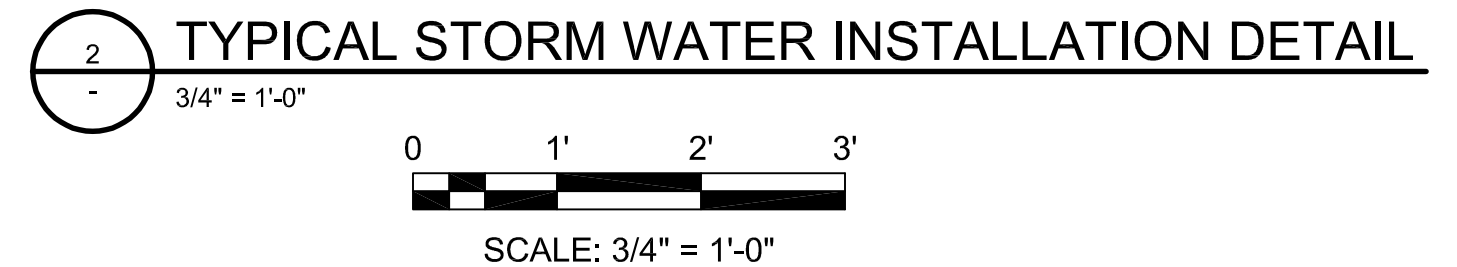
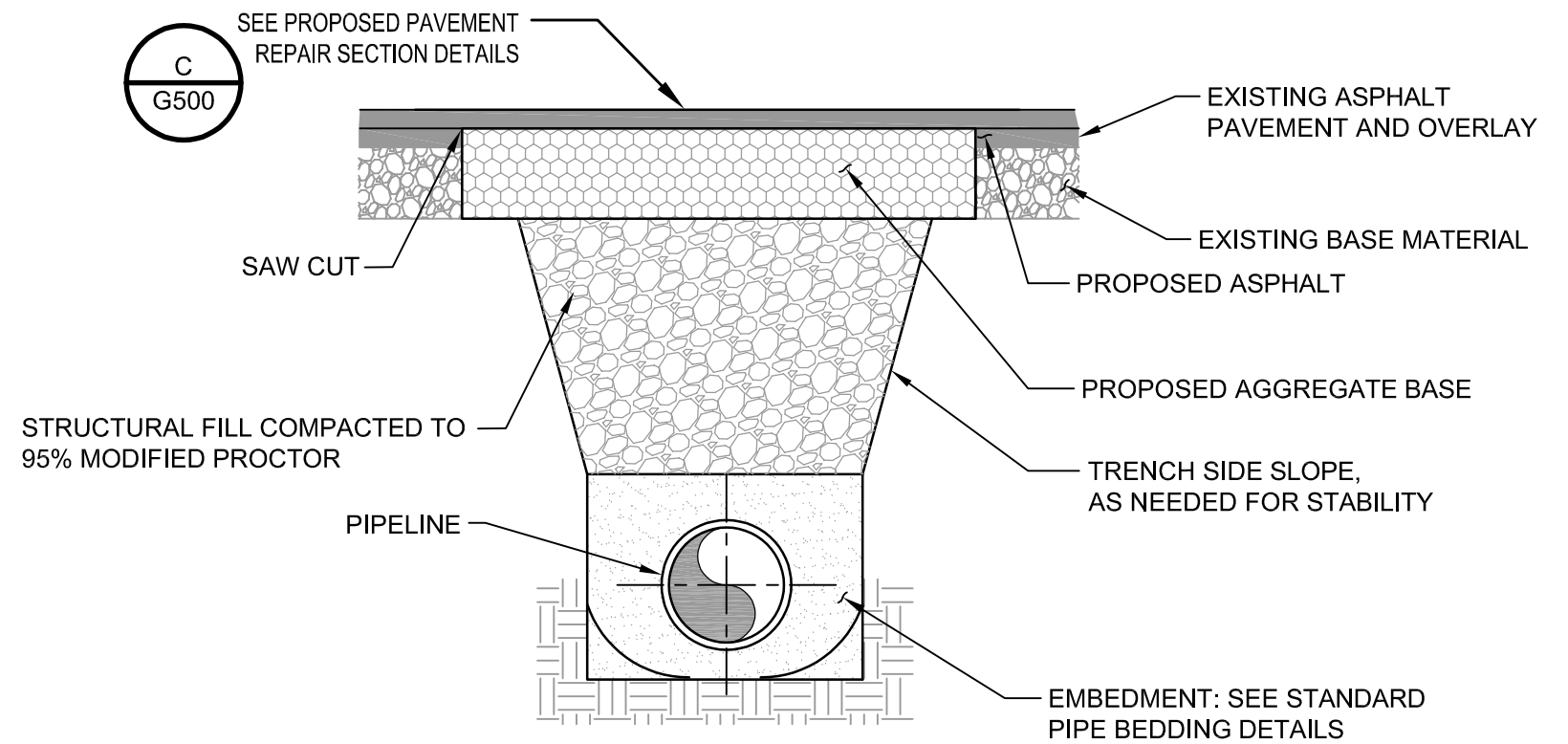
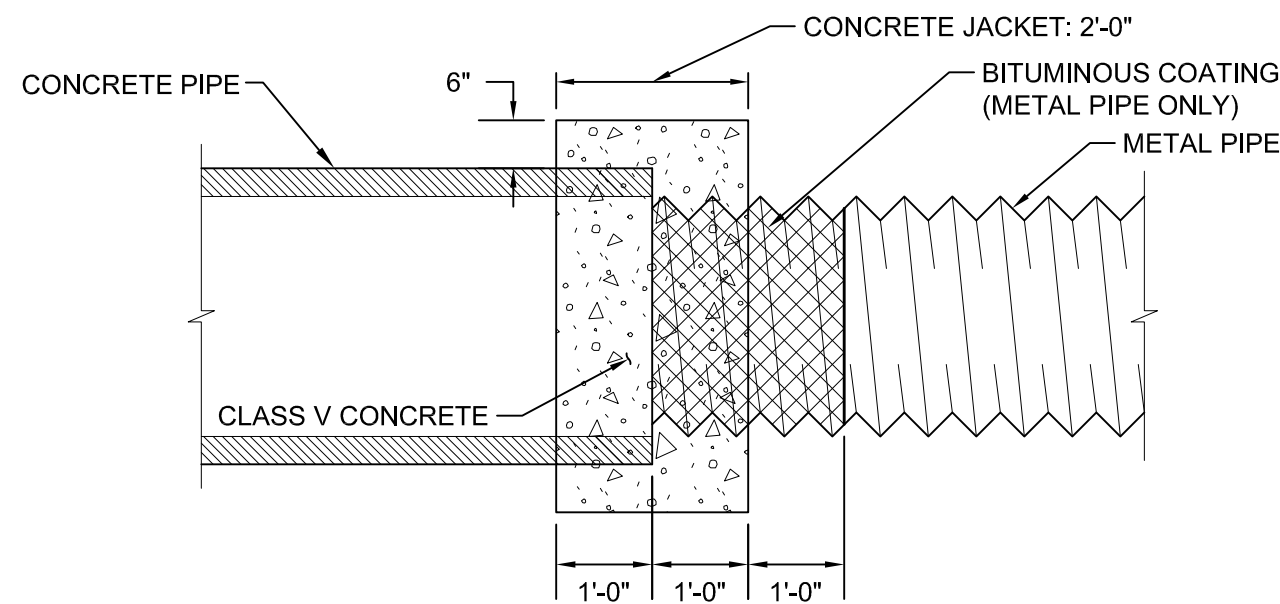
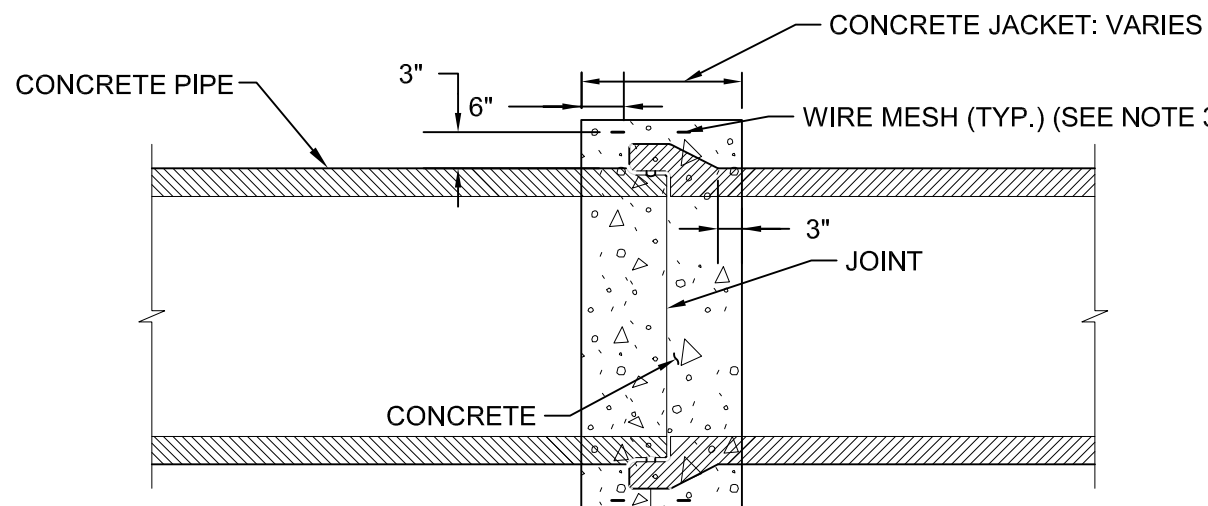
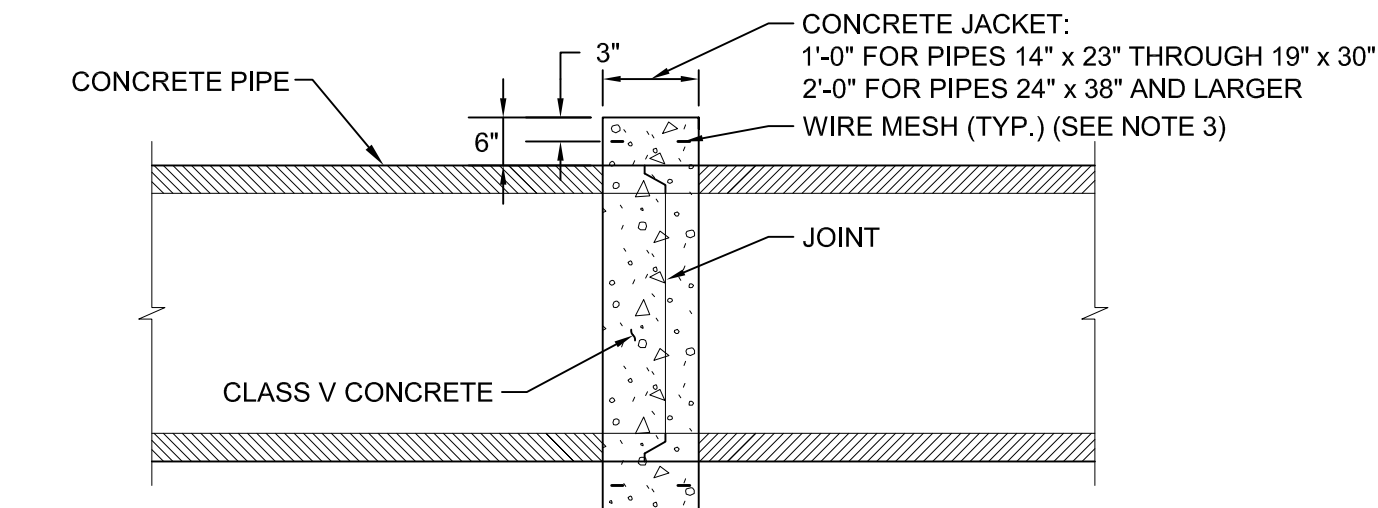
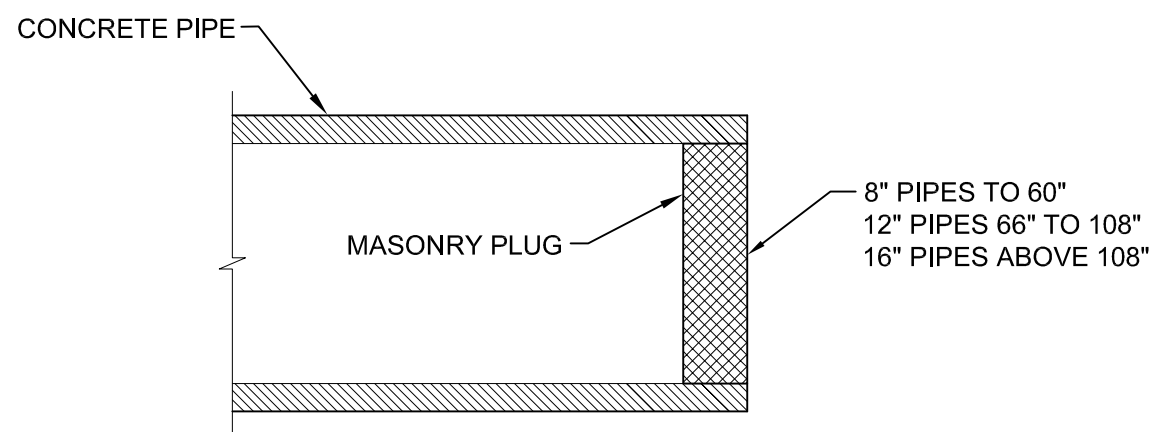
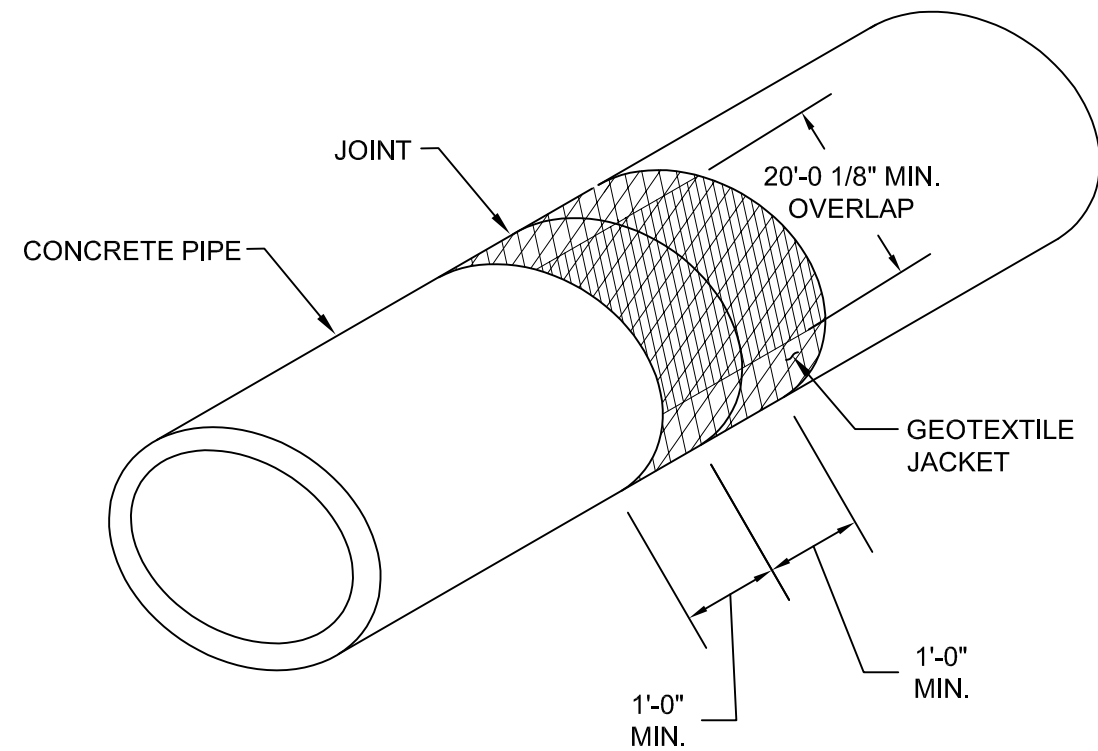
NOTE:

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2. EXISTING DRAINAGE FEATURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.



SCALE: 1" = 40'

Plot Time: Monday, October 06, 2025 — 6:32pm Plotted by: PMCINTIRE
File Name: C:\pwworking\east01\434343785\0500.dwg Layout Name: Layout1



- NOTES:
1. ALTERNATE CONNECTION MUST BE APPROVED BY THE ENGINEER.
 2. INSTALL SECURING DEVICE IN ACCORDANCE WITH SPECIFICATION 985.
 3. ANY WIRE MESH ARRANGEMENT WHICH PROVIDES 0.126 SQUARE INCHES OF STEEL AREA PER LINEAR FOOT BOTH WAYS MUST BE USED, PROVIDED THE WIRES ARE SPACED A MINIMUM OF 2" AND/OR A MAXIMUM OF 6" ON CENTER
 4. DO NOT USE A CONCRETE JACKET TO JOIN DISSIMILAR METAL PIPES.
 5. 12" FOR PIPE 15" THROUGH 24", 24" FOR 30" AND LARGER.
 6. 12" FOR PIPES 14" x 23" THROUGH 19" x 30", 24" FOR 24" x 38" AND LARGER.



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PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
DRAINAGE SYSTEM SECTIONS & DETAILS



FILENAME	D500.DWG
SCALE	AS SHOWN

SHEET
D500

Plot Time: Monday, October 06, 2025 - 6:35pm Plotted by: PMCINTIRE
File Name: C:\pwworking\east01\434343785\1200.dwg Layout Name: Layout1



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ISSUE	DATE	DESCRIPTION

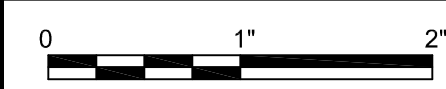
PROJECT MANAGER	HAC
DESIGNED BY	MLY
CHECKED BY	JLF
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT

RAIL ENLARGEMENT PLAN (1 OF 3)

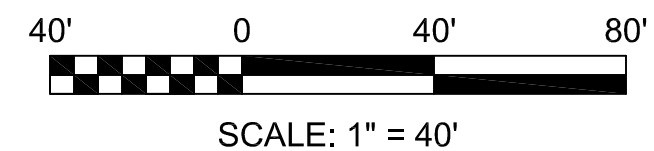
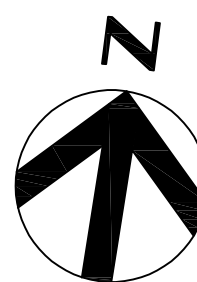
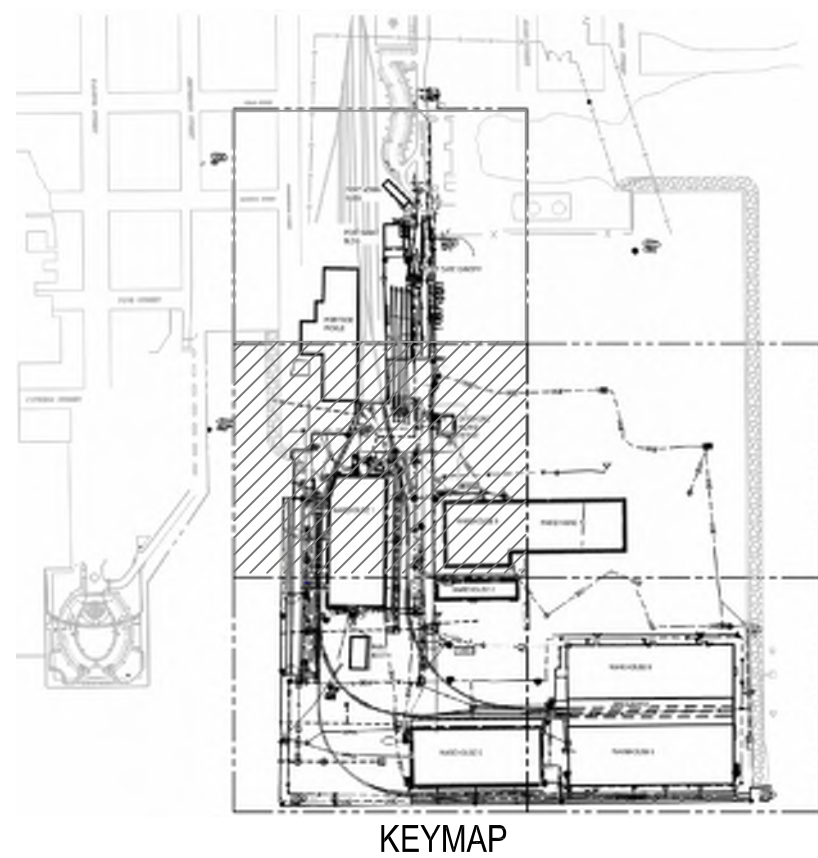
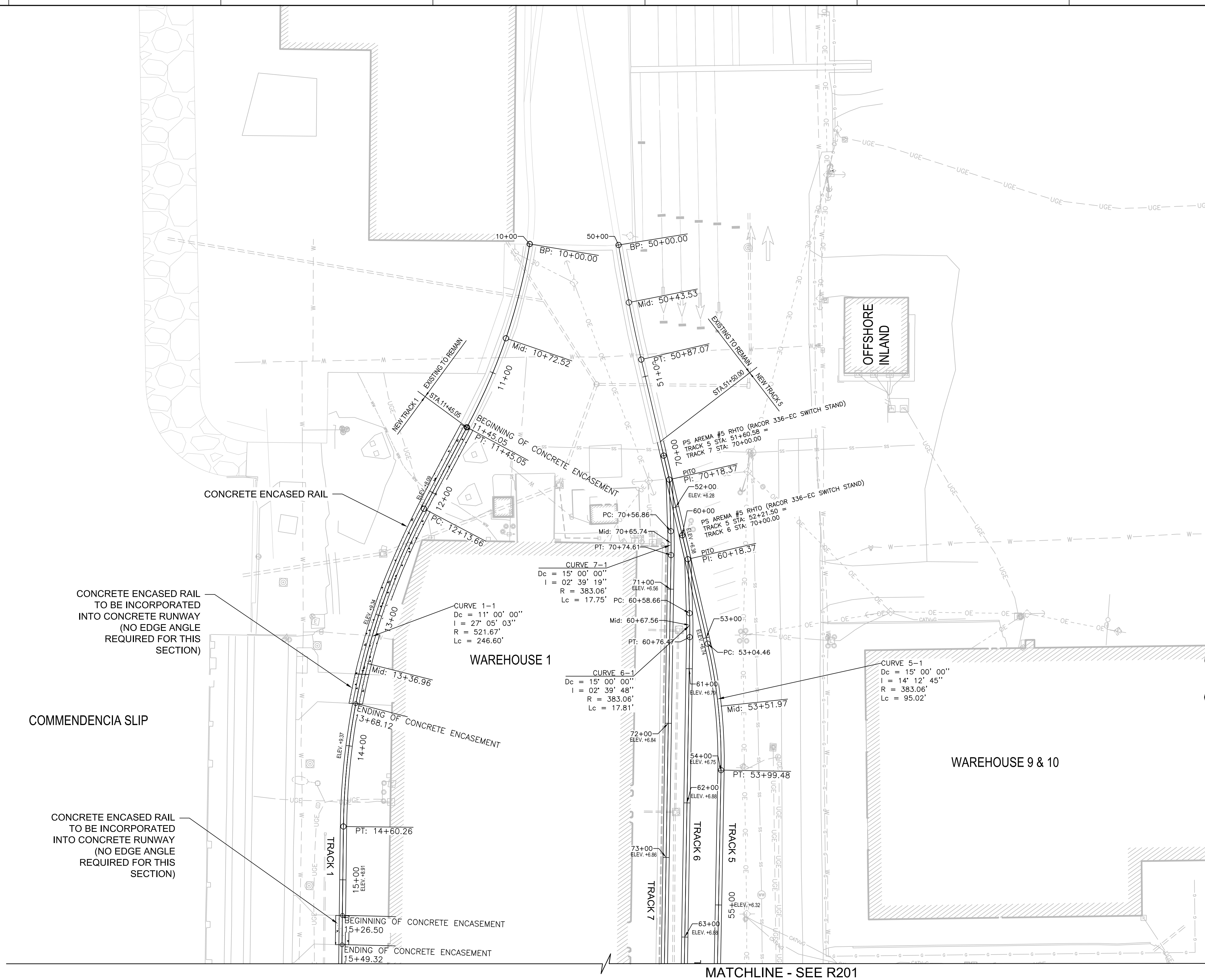


FILENAME	R200.DWG
SCALE	AS SHOWN

SHEET
R200

RAIL SEQUENCE AND NOTES

1. EXISTING TRACKS 1, 2, 3, AND 4 TO REMAIN IN SERVICE UNTIL NEW TRACKS 5, 6, AND 7 ARE COMPLETED AND PLACED INTO SERVICE.



SCALE: 1" = 40'

Plot Time: Monday, October 06, 2025 — 6:38pm Plotted by: PMONTIRE
File Name: C:\pwworking\leos01\454343785\R201.dwg Layout Name: Layout1



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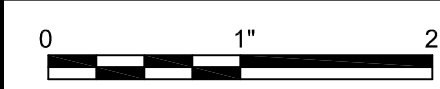
PROJECT MANAGER	HAC
DESIGNED BY	MLY
CHECKED BY	JLF
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT

RAIL ENLARGEMENT PLAN (2 OF 3)



FILENAME R201.DWG
SCALE AS SHOWN

SHEET
R201

MATCHLINE - SEE R200

PS CSX #8 LHTO (RACOR 336-EC SWITCH STAND)
TRACK 1 STA: 16+00.58
TRACK 2 STA: 20+00.00

WAREHOUSE 1

WAREHOUSE 2

BUMPER STOP

OFFSHORE
INLAND
PAINT BOOTH

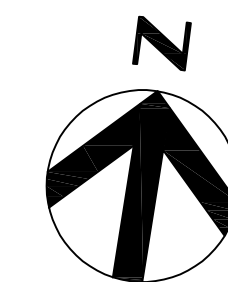
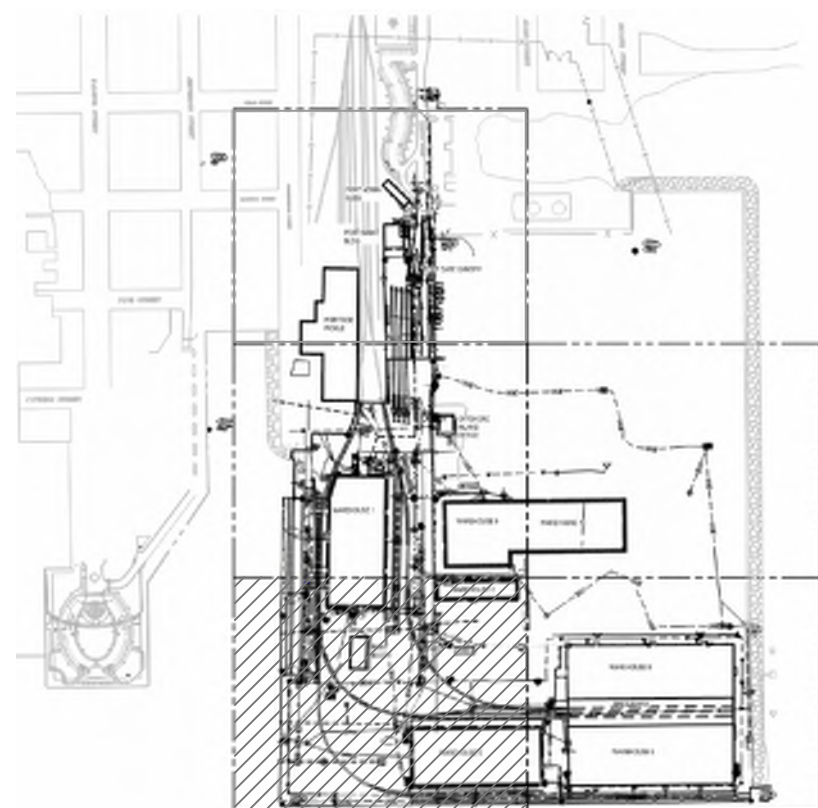
CURVE 5-2
Dc = 16' 00' 00"
I = 84' 25' 04"
R = 359.26'
Lc = 529.32'

CONCRETE
ENCASED RAIL

WAREHOUSE 5

RAIL SEQUENCE AND NOTES

1. EXISTING TRACKS 1, 2, 3, AND 4 TO REMAIN IN SERVICE UNTIL NEW TRACKS
5, 6, AND 7 ARE COMPLETED AND PLACED INTO SERVICE.



40' 0 40' 80'

SCALE: 1" = 40'

Plot Time: Monday, October 06, 2025 — 6:41pm Plotted by: PMCINTIRE
File Name: C:\pwworking\east01\44343785\R202.dwg Layout Name: Layout1



HDR Engineering, Inc.
25 W. Cedar Street, Suite 200
Pensacola, FL 32502
Certificate of Authorization No. 4213

A	OCT. 2025	ISSUED FOR BID
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ISSUE	DATE	DESCRIPTION
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PROJECT MANAGER	HAC
DESIGNED BY	MLY
CHECKED BY	JLF
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT

RAIL ENLARGEMENT PLAN (3 OF 3)



FILENAME	R202.DWG
SCALE	AS SHOWN

SHEET
R202

RAIL SEQUENCE AND NOTES

1. EXISTING TRACKS 1, 2, 3, AND 4 TO REMAIN IN SERVICE UNTIL NEW TRACKS
5, 6, AND 7 ARE COMPLETED AND PLACED INTO SERVICE.

MATCHLINE - SEE R202

WAREHOUSE 5

WAREHOUSE 8

BREEZEWAY

WAREHOUSE 6

BERTH 5 BERTH 6

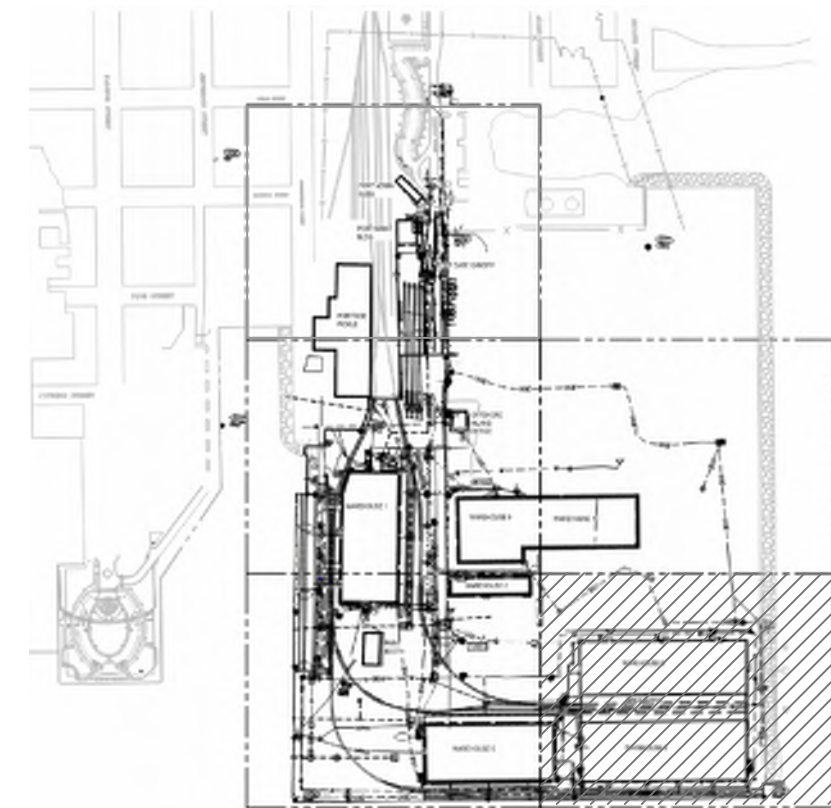
PS CSX #8 RHTO (RACOR 336-EC SWITCH STAND)
TRACK 4 STA: 43+99.15 =
TRACK 5 STA: 62+18.02
BTO: 61+88.04
ELEV. +7.28
ELEV. +7.39
ELEV. +7.15

NEW TRACK 4 EXISTING TO REMAIN

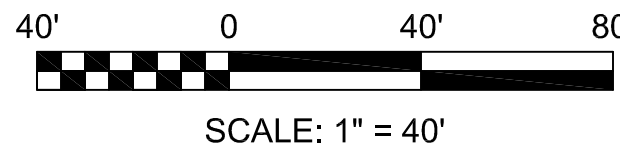
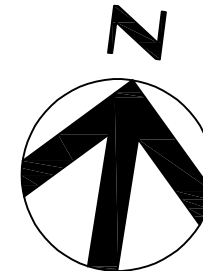
NEW TRACK 2 DEMO FOR DISPOSAL
(APPROX. 67 LF)

NEW TRACK 3 EXISTING TO REMAIN

BUMPER STOP

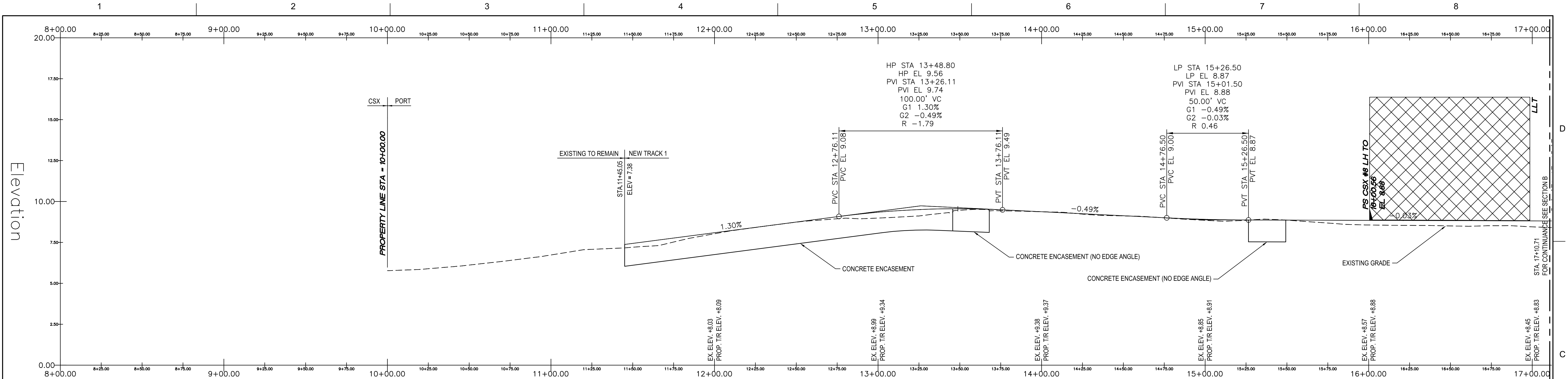


KEYMAP



SCALE: 1" = 40'

Plot Time: Monday, October 06, 2025 — 6:43pm Plotted by: PMCINTIRE
File Name: C:\pwworking\east01\434343785\R300.dwg Layout Name: Layout1

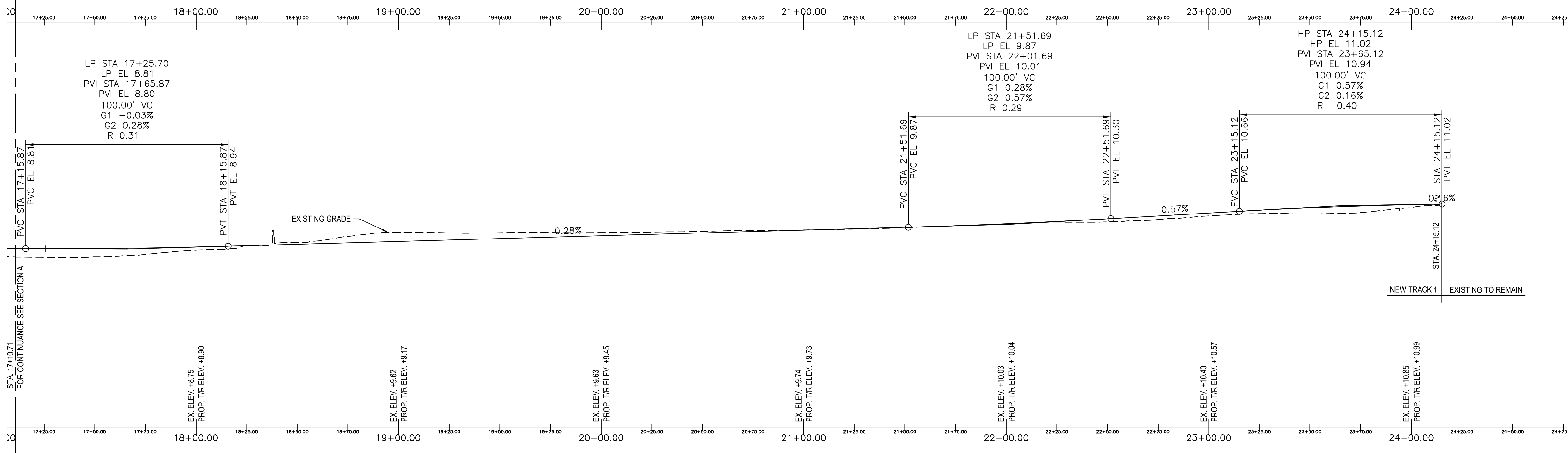


TRACK 1 PROFILE STA. 10+00 TO 17+10.71

1" = 30'-0"



SCALE: 1" = 30'



TRACK 1 PROFILE STA. 17+10.71 TO 24+15.12

1" = 30'-0"



SCALE: 1" = 30'

LEGEND:



LIMITS OF
TRACK TURNOUT



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DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

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**PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT**

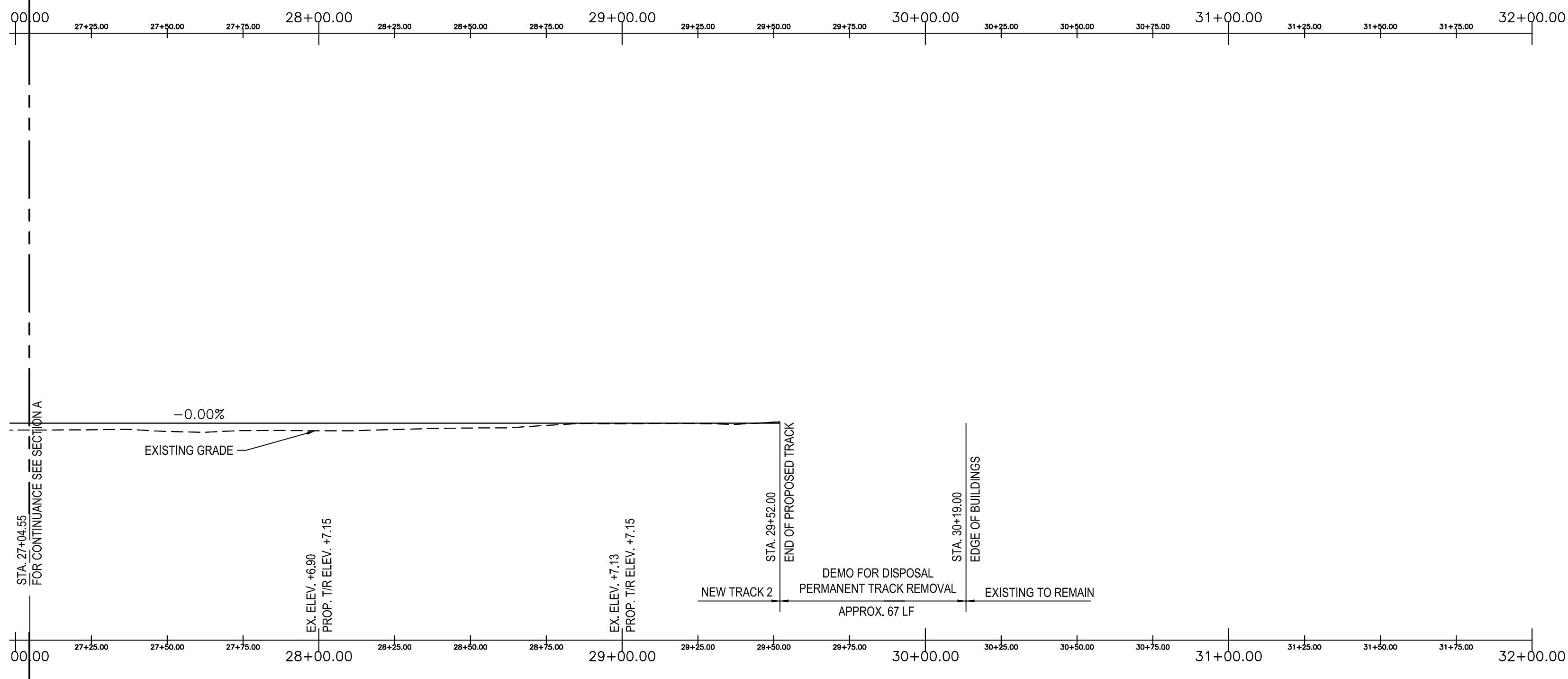
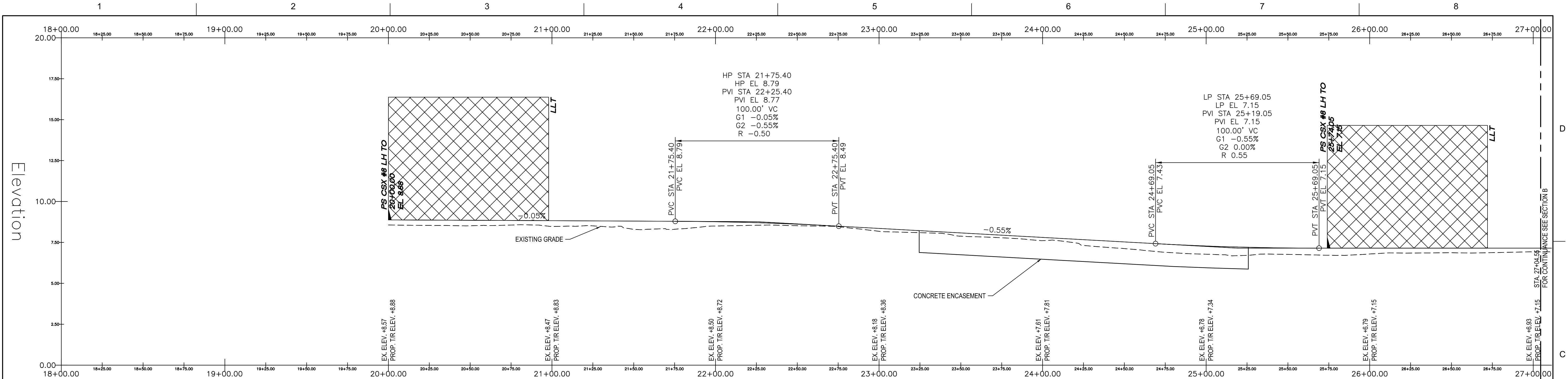
TRACK 1 PROFILE



FILENAME	R300.DWG
SCALE	AS SHOWN

SHEET
R300

Plot Time: Monday, October 06, 2025 — 6:45pm Plotted by: PMCONTIRE
File Name: C:\pwworking\east01\454343785\R301.dwg Layout Name: Layout1



LEGEND:

LIMITS OF TRACK TURNOUT



A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

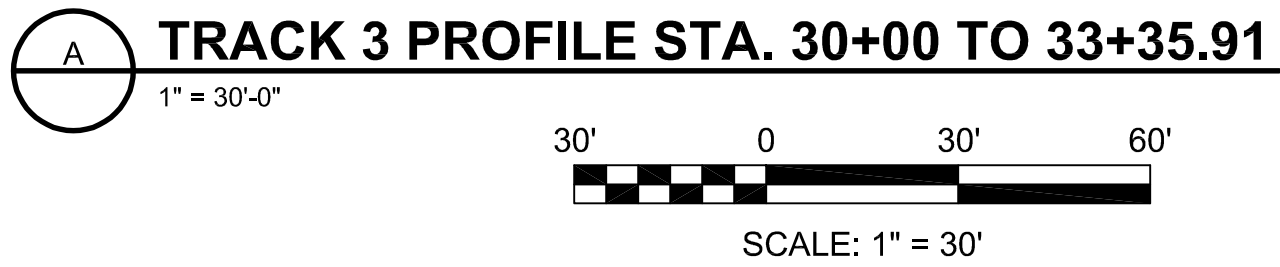
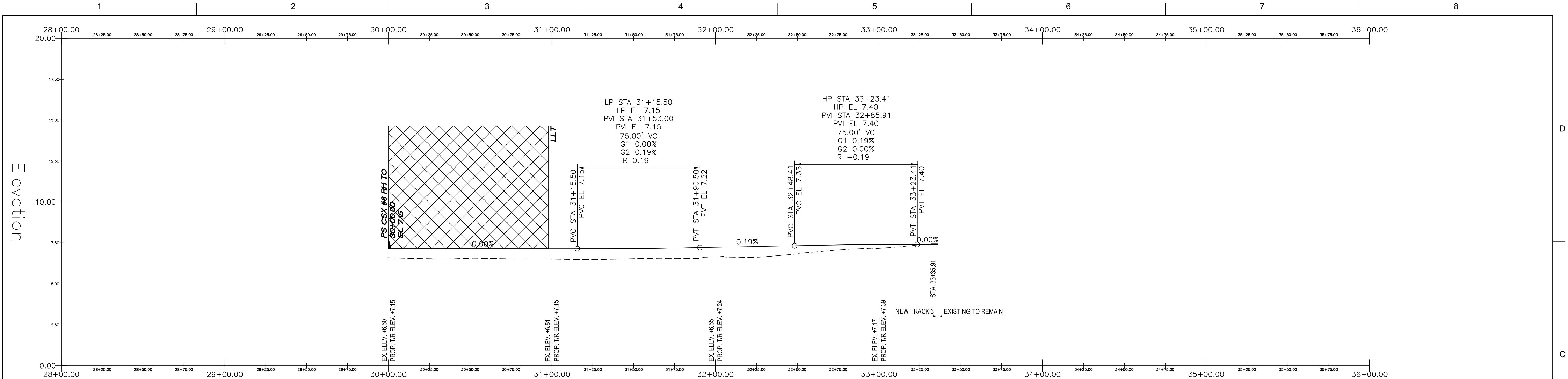
PROJECT MANAGER	HAC
DESIGNED BY	MLY
CHECKED BY	JLF
DRAWN BY	PEM
	-
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	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA PAVING & RAIL REHABILITATION PROJECT TRACK 2 PEOFILE		
FILENAME	R301.DWG	SHEET
SCALE	AS SHOWN	R301

Plot Time: Monday, October 06, 2025 — 6:48pm Plotted by: PMCONTIRE
File Name: C:\pwworking\east01\454343785\R302.dwg Layout Name: Layout1



LEGEND:

LIMITS OF
TRACK TURNOUT

HDR

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DRAWN BY	PEM
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	-
PROJECT NUMBER	10419078

ISSUED FOR BID

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**PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT**

TRACK 3 PROFILE

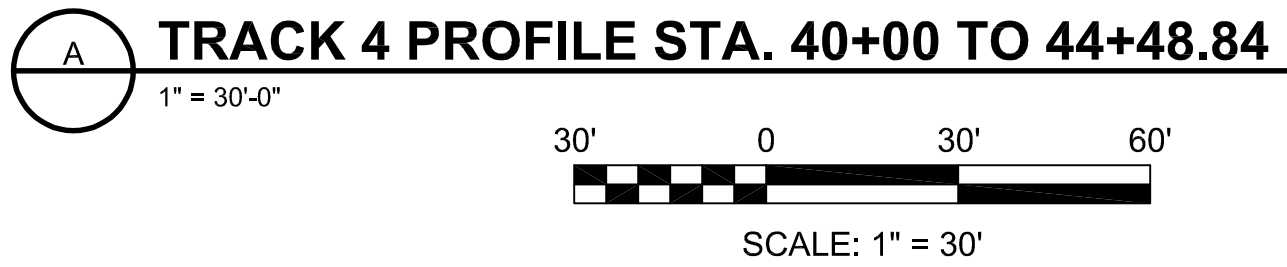
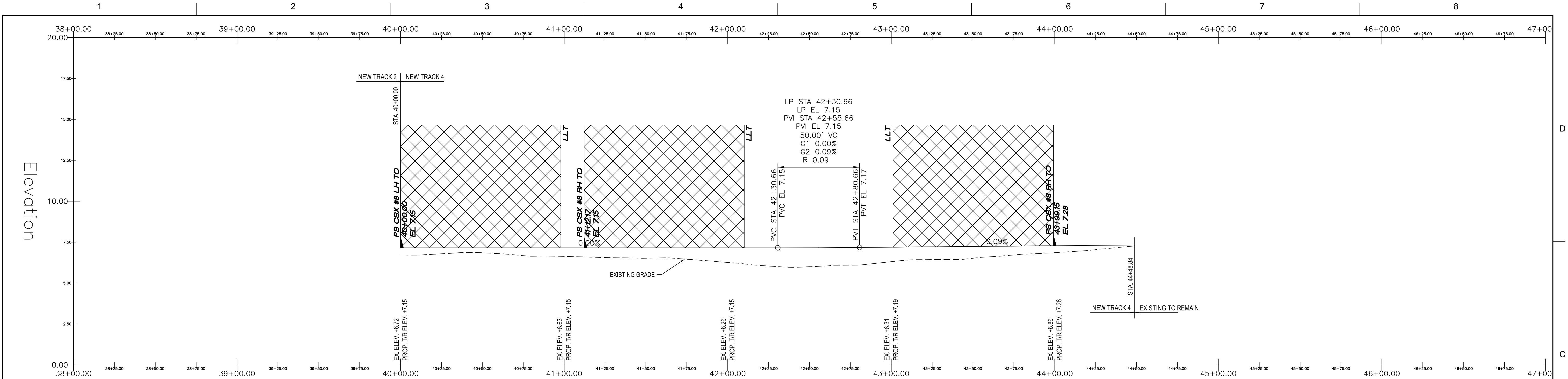
012"

FILENAME	R302.DWG
SCALE	AS SHOWN

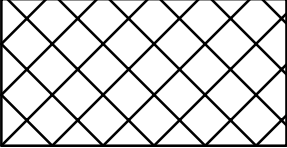
SHEET

R302

Plot Time: Monday, October 06, 2025 — 6:50pm Plotted by: PMONTIRE
File Name: C:\pwworking\east01\44343785\R303.dwg Layout Name: Layout1



LEGEND:

 LIMITS OF TRACK TURNOUT



A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

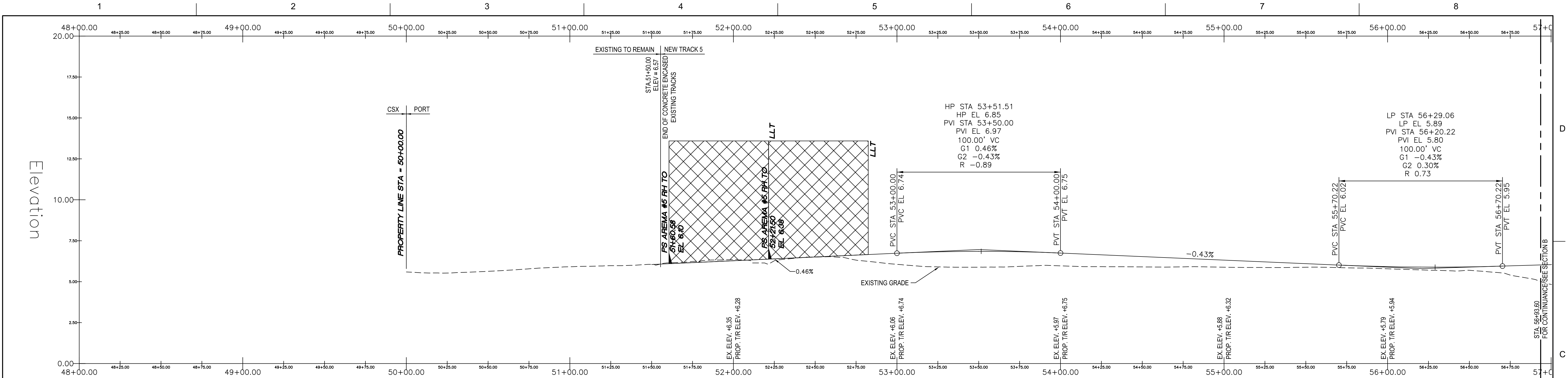
PROJECT MANAGER	HAC
DESIGNED BY	MLY
CHECKED BY	JLF
DRAWN BY	PEM
	-
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	-
PROJECT NUMBER	10419078

ISSUED FOR BID
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PORT OF PENSACOLA PAVING & RAIL REHABILITATION PROJECT TRACK 4 PROFILE		
	FILENAME R303.DWG SCALE AS SHOWN	SHEET R303

Plot Time: Monday, October 06, 2025 — 6:52pm Plotted by: PMCNTIRE
File Name: C:\pwworking\east01\434343785\R304.dwg Layout Name: Layout1

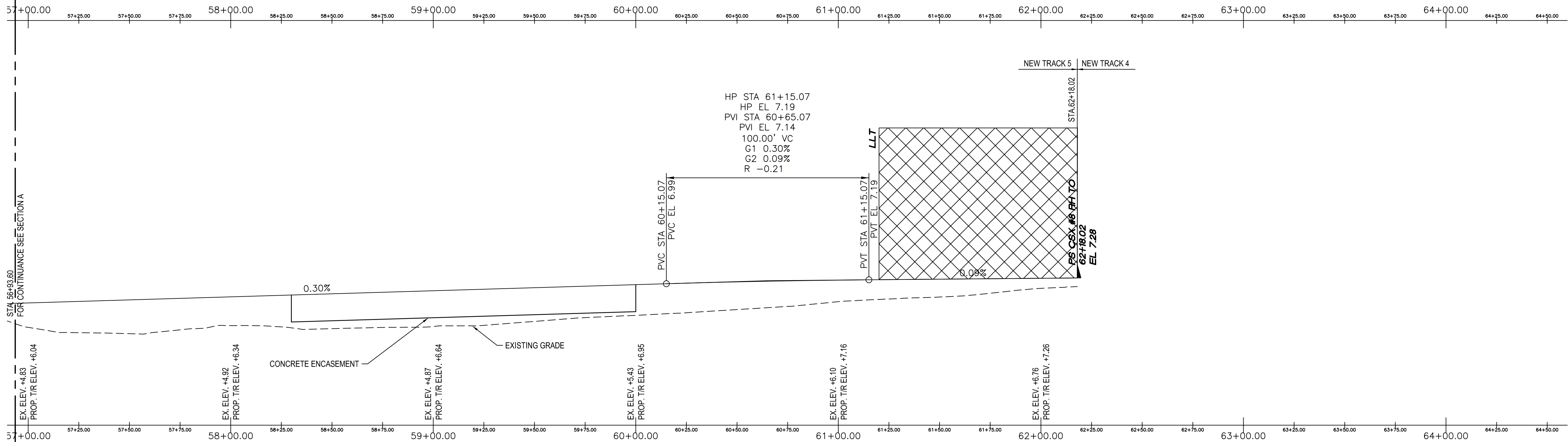


TRACK 5 PROFILE STA. 50+00 TO 56+93.60

1" = 30'-0"



SCALE: 1" = 30'



TRACK 5 PROFILE STA. 56+93.60 TO 62+18.02

1" = 30'-0"



SCALE: 1" = 30'

LEGEND:



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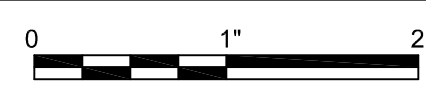
A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	MLY
CHECKED BY	JLF
DRAWN BY	PEM
	-
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	-
PROJECT NUMBER	10419078

ISSUED FOR BID
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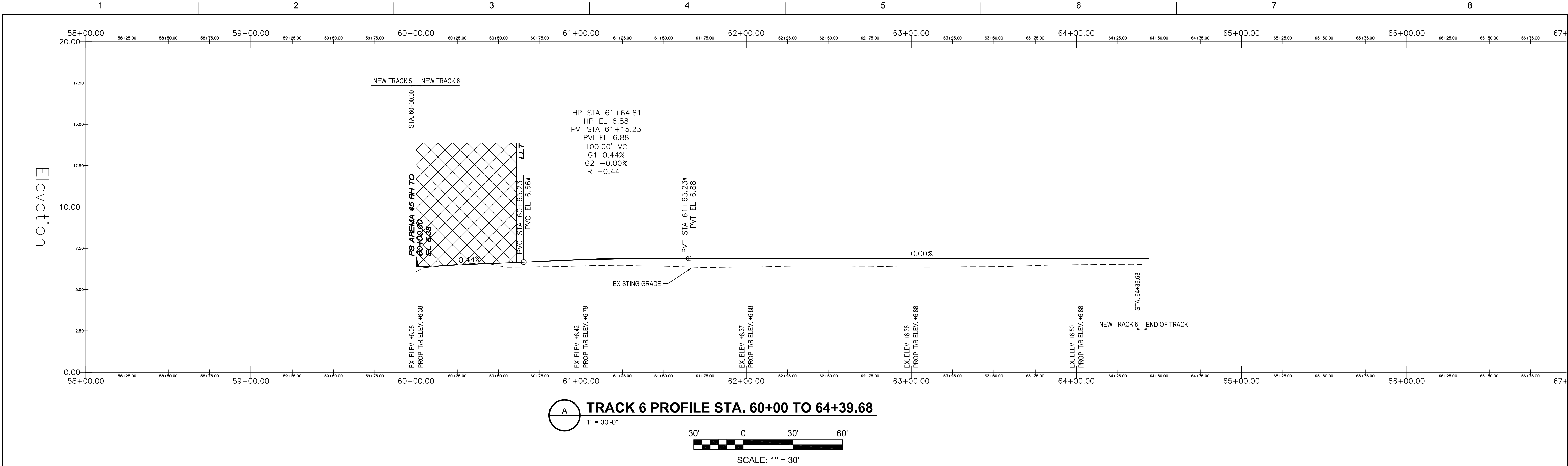
PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
TRACK 5 PROFILE



FILENAME	R304.DWG
SCALE	AS SHOWN

SHEET
R304

Plot Time: Monday, October 06, 2025 — 6:55pm Plotted by: PMCONTIRE
File Name: C:\pwworking\east01\44343785\R305.dwg Layout Name: Layout1



LEGEND:

LIMITS OF
TRACK TURNOUT

HDR

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ISSUE	DATE	DESCRIPTION

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	-
PROJECT NUMBER	10419078

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PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT

TRACK 6 PROFILE

012"

012"

FILENAME

R305.DWG

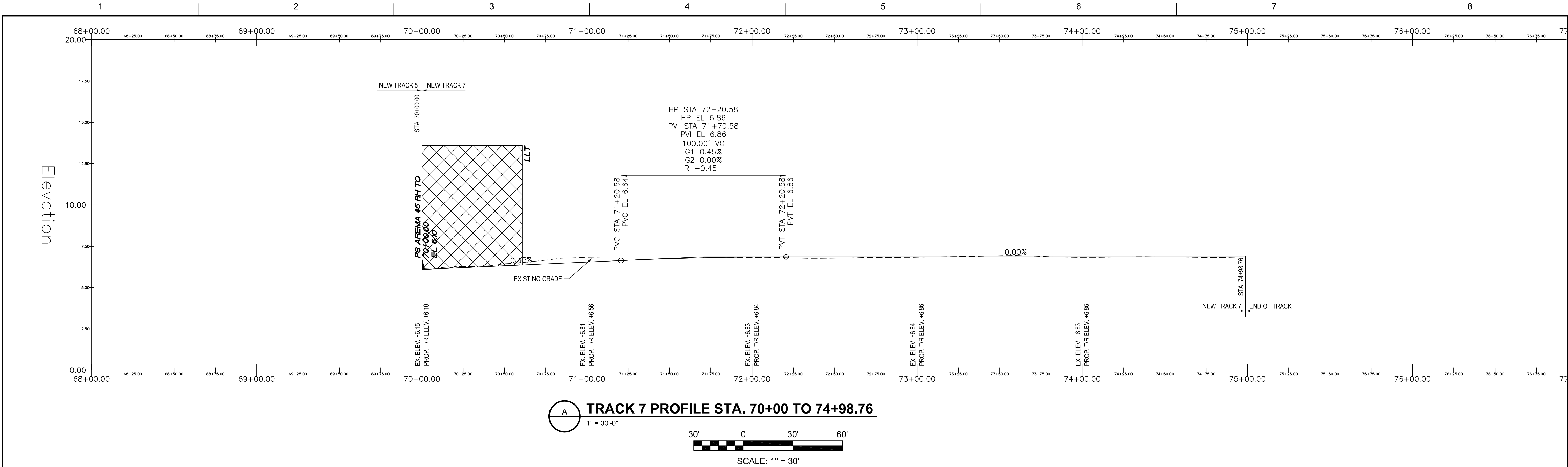
SCALE

AS SHOWN

SHEET

R305

Plot Time: Monday, October 06, 2025 — 6:57pm Plotted by: PMCONTIRE
File Name: C:\pwworking\east01\434343785\R306.dwg Layout Name: Layout1



LEGEND:



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Pensacola, FL 32502
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ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	MLY
CHECKED BY	JLF
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
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**PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT**

TRACK 7 PROFILE

FILENAME	R306.DWG
SCALE	AS SHOWN

SHEET
R306

Plot Time: Monday, October 06, 2025 — 6:59pm Plotted by: PMONTIRE
File Name: C:\pwworking\east01\44343785\R400.dwg Layout Name: Layout1

PENSACOLA PORT TRACK 1																			
CURVE NO.	DESC.	STATION	NORTHING	EASTING	BEARING	DISTANCE	RADIUS	DEGREE OF CURVE (CHORD)	Lc	DELTA	I	THETA	Ls	X	Y	Ea (IN)	Eu (IN)	Vf (MPH)	Vp (MPH)
	POB	11+45.05	520855.1576	1113949.3951	S 18°45'30" W	68.62													
	PC	12+13.66	520790.1874	1113927.3300															
CURVE 1-1	PI	13+36.96	520669.8584	1113901.7810			521.67	11°00'00"	246.60	27°05'03" LT						0.00	0.00	10	
	PT	14+60.26	520546.8922	1113905.1184	S 08°19'32" E	461.63													
	PC	19+21.88	520090.1301	1113971.9618															
CURVE 1-2	PI	21+62.90	519889.1955	1114093.2560			302.94	19°00'00"	482.03	91°09'59" LT						0.00	0.00	10	
	PT	24+03.91	519835.2035	1114321.6677	N 80°30'28" E	11.32													
	POE	24+15.23	519837.0702	1114332.8322															

PENSACOLA PORT TRACK 2																			
CURVE NO.	DESC.	STATION	NORTHING	EASTING	BEARING	DISTANCE	RADIUS	DEGREE OF CURVE (CHORD)	Lc	DELTA	I	THETA	Ls	X	Y	Ea (IN)	Eu (IN)	Vf (MPH)	Vp (MPH)
	POB	20+00.00	520408.0649	1113925.4346															
	PITO	20+29.99	520378.3923	1113929.7770															
					S 15°28'42" E	90.27													
	PC	21+20.25	520291.3950	1113953.8682															
CURVE 2-1	PI	23+42.15	520116.8993	1114082.8099			302.94	19°00'00"	443.79	83°56'05" LT						0.00	0.00	10	
	PT	25+64.05	520073.3816	1114295.3680															
					N 80°35'12" E	387.95													
	POE	29+52.00	520136.8327	1114678.0954															

PENSACOLA PORT TRACK 3																			
CURVE NO.	DESC.	STATION	NORTHING	EASTING	BEARING	DISTANCE	RADIUS	DEGREE OF CURVE (CHORD)	Lc	DELTA	I	THETA	Ls	X	Y	Ea (IN)	Eu (IN)	Vf (MPH)	Vp (MPH)
	POB	30+00.00	520103.3527	1114413.5857															
	PITO	30+29.99	520111.9031	1114442.3295															
					N 80°35'12" E	305.93													
	PC	33+35.92	520161.9390	1114744.1387															

PENSACOLA PORT TRACK 4																				
CURVE NO.	DESC.	STATION	NORTHING	EASTING	BEARING	DISTANCE	RADIUS	DEGREE OF CURVE (CHORD)	Lc	DELTA	I	THETA	Ls	X	Y	Ea (IN)	Eu (IN)	Vf (MPH)	Vp (MPH)	
	POB	40+00.00	520075.0172	1114305.2333	N 73°26'02" E	181.74														
	PITO	40+29.99	520079.9187	1114334.8071																
	PC	42+11.73	520131.7409	1114509.0185																
CURVE 4-1	PI	42+54.02	520142.5201	1114549.9013			674.69	08°30'00"	84.57	07°10'56" RT						0.00	0.00	10		
	PT	42+96.31	520150.7174	1114591.3790	N 80°29'45" E	152.53														
	POE	44+48.84	520175.9032	1114741.8161																



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DESIGNED BY	MLY
CHECKED BY	JLF
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT

GEOMETRY TABLE



FILENAME	R400.DWG
SCALE	AS SHOWN

SHEET
R400

Plot Time: Monday, October 06, 2025 -- 7:02pm Plotted by: PMCONTIRE
File Name: C:\pwworking\east01\44343785\R401.dwg Layout Name: Layout1

PENSACOLA PORT TRACK 5																			
CURVE NO.	DESC.	STATION	NORTHING	EASTING	BEARING	DISTANCE	RADIUS	DEGREE OF CURVE (CHORD)	Lc	DELTA	I	THETA	Ls	X	Y	Ea (IN)	Eu (IN)	Vf (MPH)	Vp (MPH)
	POB	51+50.01	520866.9945	1114093.5125	S 22°09'11" E	154.46													
	PC	53+04.46	520723.9372	1114151.7563															
CURVE 5-1	PI	53+51.97	502678.9371	1114166.9004			383.06	15°00'00"	95.02	14°12'45" RT						0.00	0.00	10	
	PT	53+99.48	520632.4093	1114176.3612	S 07°56'25" E	165.77													
	PC	55+65.26	520468.2249	1114199.2616															
CURVE 5-2	PI	58+29.92	520242.0441	1114324.8673			359.26	16°00'00"	529.32	84°25'04" LT						0.00	0.00	10	
	PT	60+94.58	520158.8983	1114569.8598	N 87°38'30" E	93.46													
	PITO	61+88.04	520162.7426	1114663.2066															
	POE	62+18.02	520167.6990	1114692.8117															

PENSACOLA PORT TRACK 6																				
CURVE NO.	DESC.	STATION	NORTHING	EASTING	BEARING	DISTANCE	RADIUS	DEGREE OF CURVE (CHORD)	Lc	DELTA	I	THETA	Ls	X	Y	Ea (IN)	Eu (IN)	Vf (MPH)	Vp (MPH)	
	POB	60+00.00	520800.7812	1114120.4704	S 10°43'55" E	40.29														
	PITO	60+18.37	520783.7626	1114127.3992																
	PC	60+58.66	520744.1791	1114134.9015																
CURVE 6-1	PI	60+67.56	520735.4148	1114136.4573			383.06	15°00'00"	17.81	02°39'48" RT						0.00	0.00	10		
	PT	60+76.47	520726.6155	1114137.8092	S 08°04'07" E	363.21														
	POE	64+39.68	520366.9957	1114188.7902																

PENSACOLA PORT TRACK 7																				
CURVE NO.	DESC.	STATION	NORTHING	EASTING	BEARING	DISTANCE	RADIUS	DEGREE OF CURVE (CHORD)	Lc	DELTA	I	THETA	Ls	X	Y	Ea (IN)	Eu (IN)	Vf (MPH)	Vp (MPH)	
	POB	70+00.00	520857.2010	1114097.4998	S 10°43'55" E	40.49														
	PITO	70+18.37	520840.1825	1114104.4287																
	PC	70+56.86	520802.3711	1114111.5950																
CURVE 7-1	PI	70+65.74	520793.6316	1114113.1467			383.06	15°00'00"	17.75	02°39'19" RT						0.00	0.00	10		
	PT	70+74.61	520784.8585	1114114.4955	S 08°04'36" E	424.15														
	POE	74+98.76	520364.9211	1114174.0863																



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PROJECT NUMBER	10419078

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PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT

GEOMETRY TABLE

012

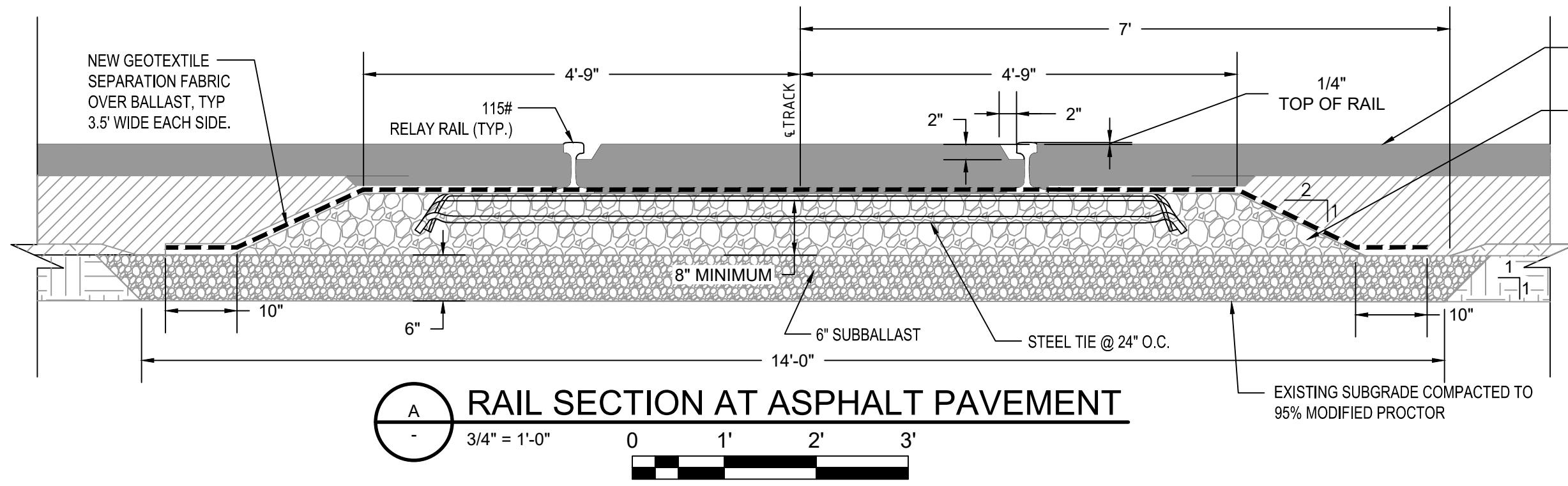
01"2"

FILENAME	R401.DWG
SCALE	AS SHOWN

SHEET

R401

Plot Time: Wednesday, October 08, 2025 - 7:31am Plotted by: JEH/EL
File Name: C:\pwworking\ees01\4343785\R500.dwg Layout Name: Layout1



RAIL SECTION AT ASPHALT PAVEMENT

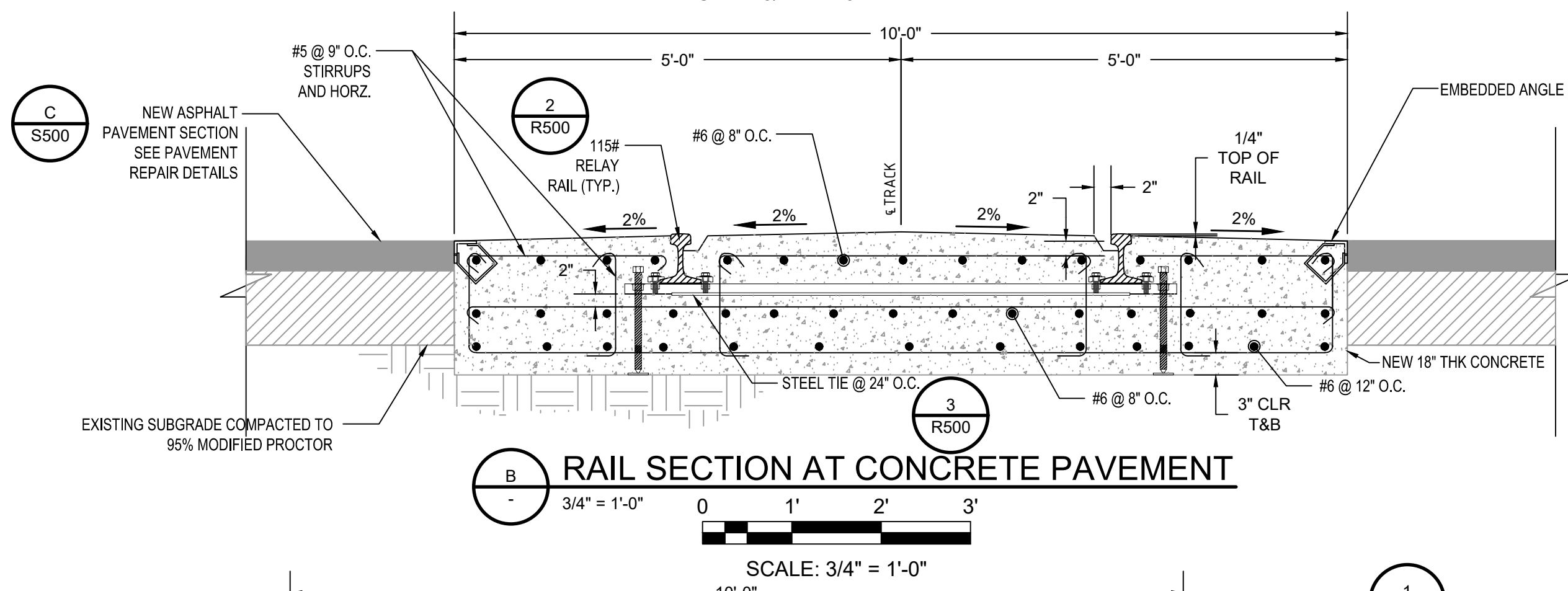
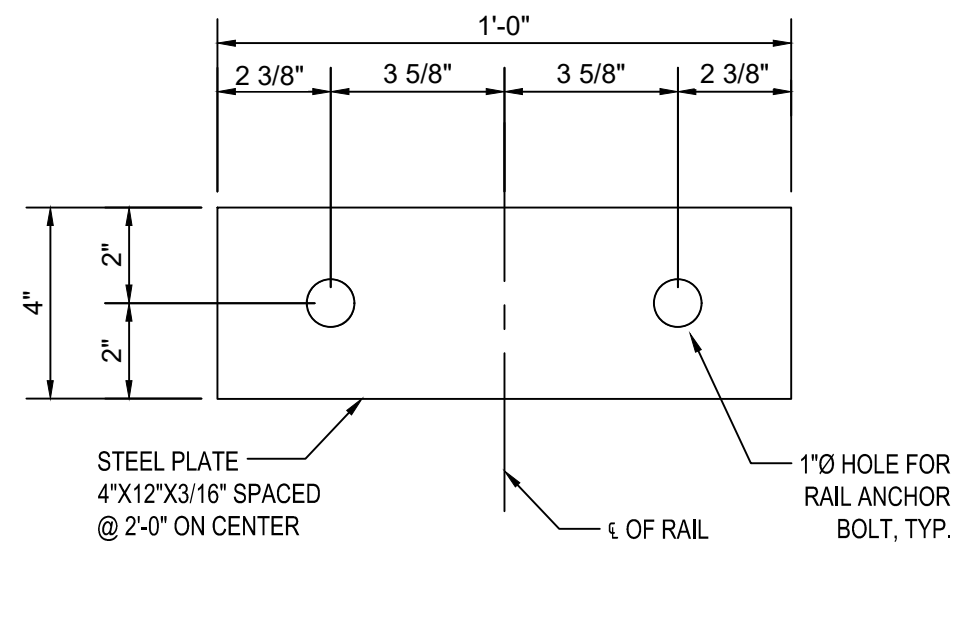
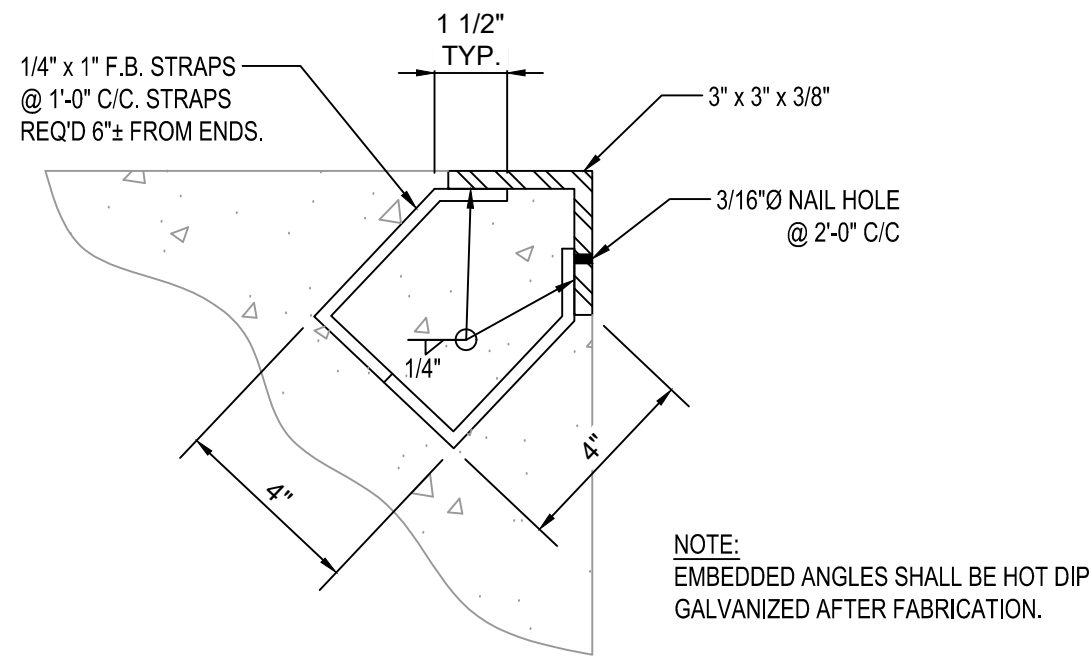
TRACK 1: STA 13+68.12 TO STA 15+26.50
STA 15+49.32 TO STA 24+15.12

TRACK 2: STA 20+00.00 TO STA 23+24.53
STA 25+25.78 TO STA 29+52.00

TRACK 3: STA 30+00.00 TO STA 33+35.92

TRACK 4: STA 40+00.00 TO STA 44+48.84

TRACK 5: STA 56+37.29 TO STA 58+00.00
STA 60+00.00 TO STA 62+18.02

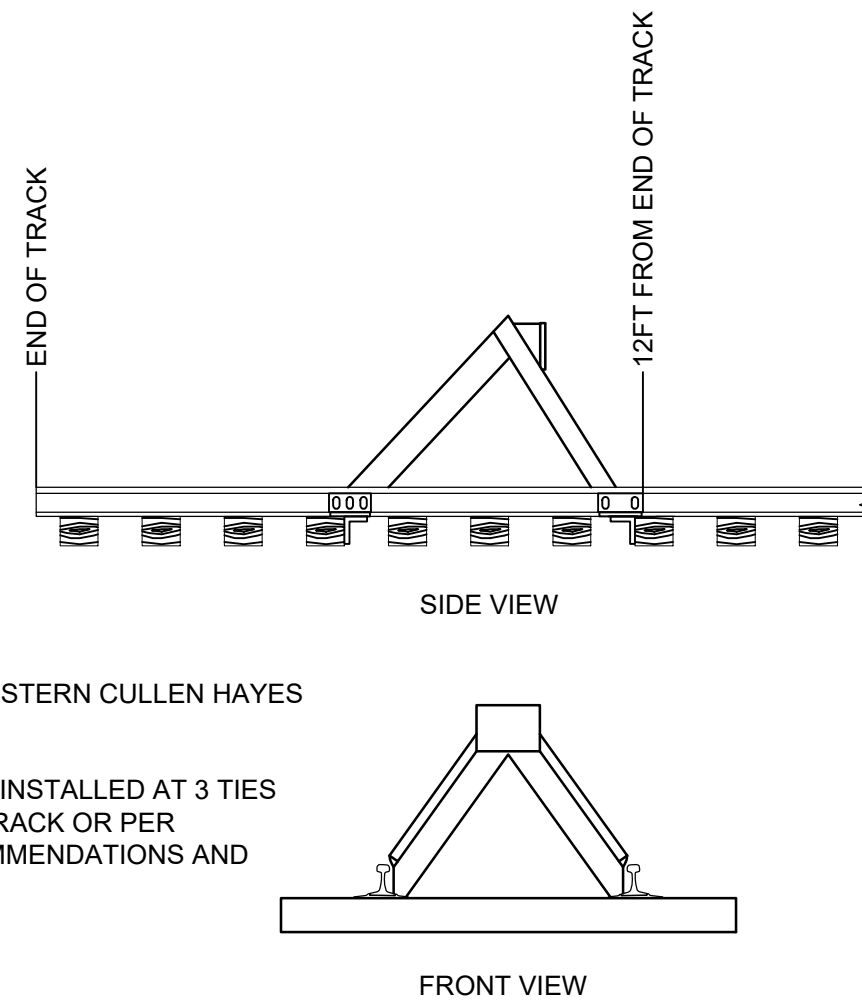


RAIL SECTION AT CONCRETE PAVEMENT

TRACK 1: STA 11+45.05 TO STA 13+45.67
STA 13+45.67 TO STA 13+68.12 (NO EDGE ANGLE)
STA 15+26.50 TO STA 15+49.32 (NO EDGE ANGLE)

TRACK 2: STA 23+24.53 TO STA 25+25.78

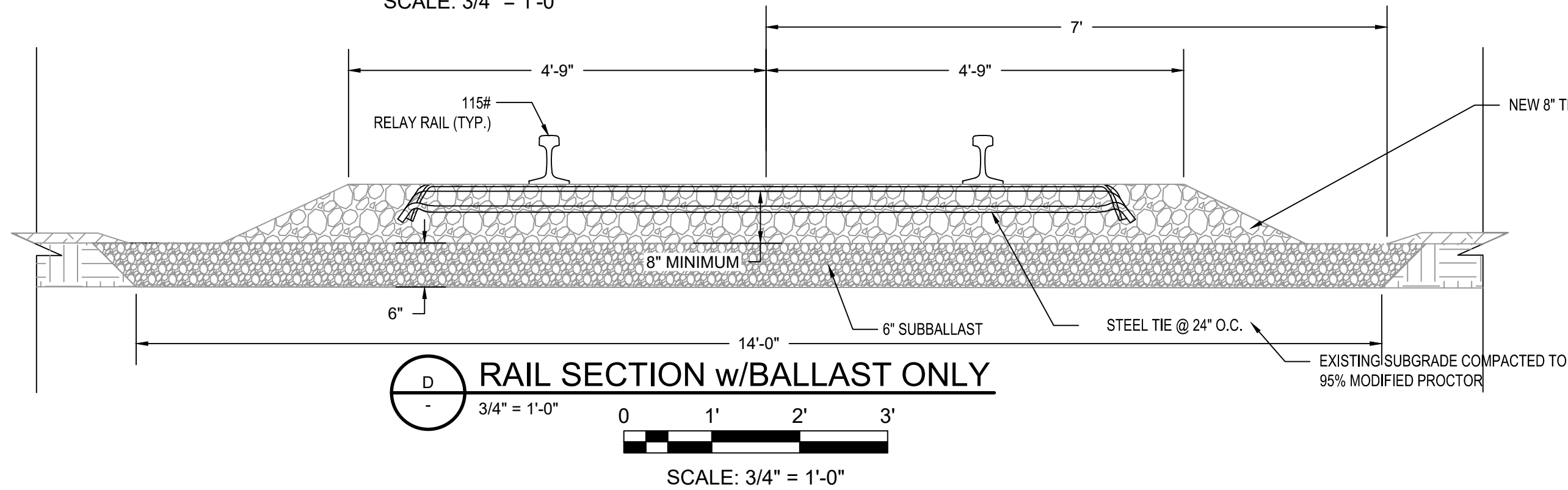
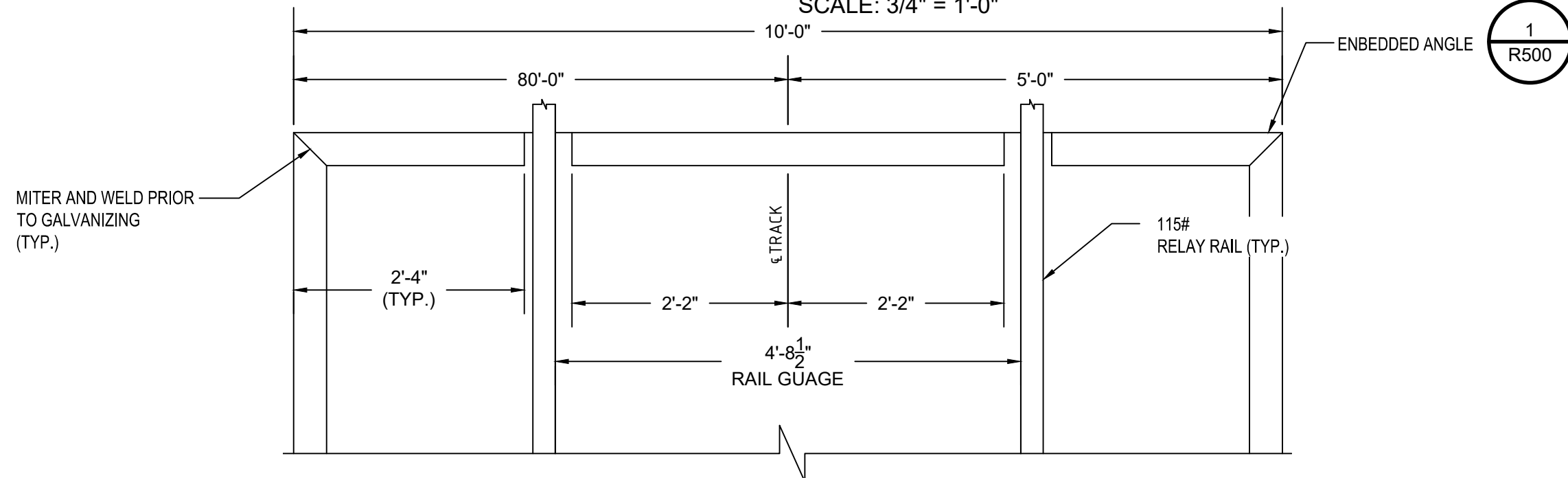
TRACK 5: STA 58+00.00 TO STA 60+00.00



NOTES:

BUMPING POST TYPE - WESTERN CULLEN HAYES
STANDARD TYPE WA

BUMPING POST SHALL BE INSTALLED AT 3 TIES
MINIMUM FROM END OF TRACK OR PER
MANUFACTURER'S RECOMMENDATIONS AND
SPECIFICATIONS

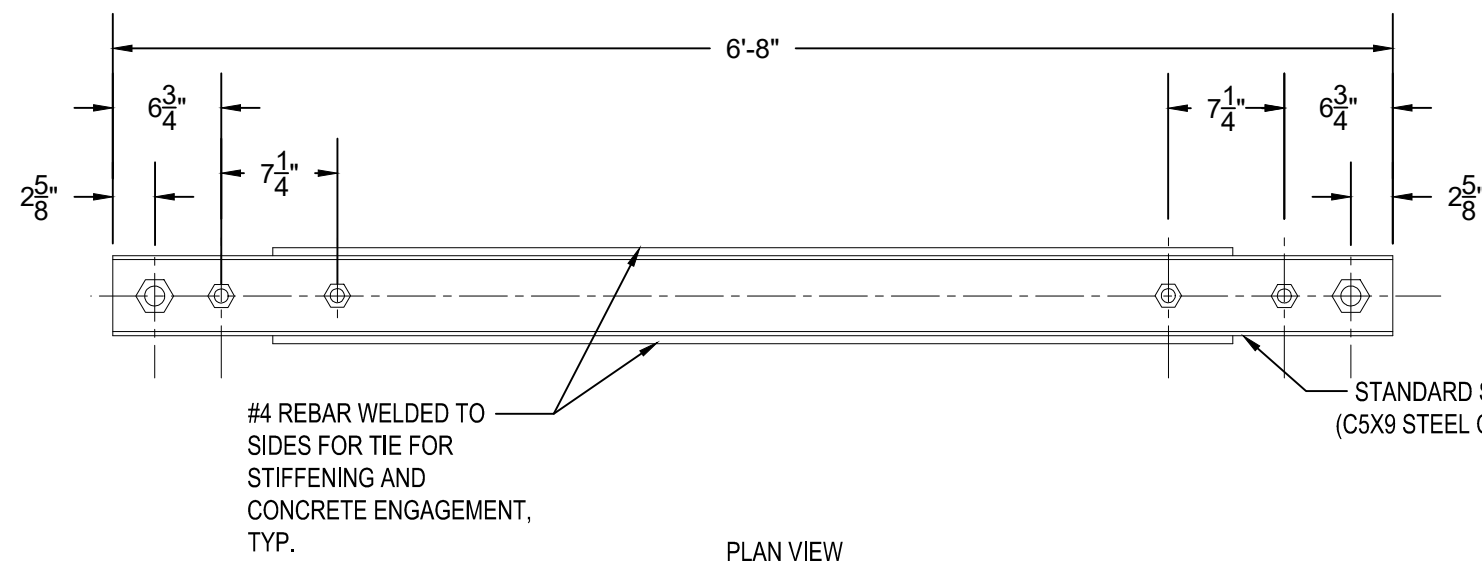
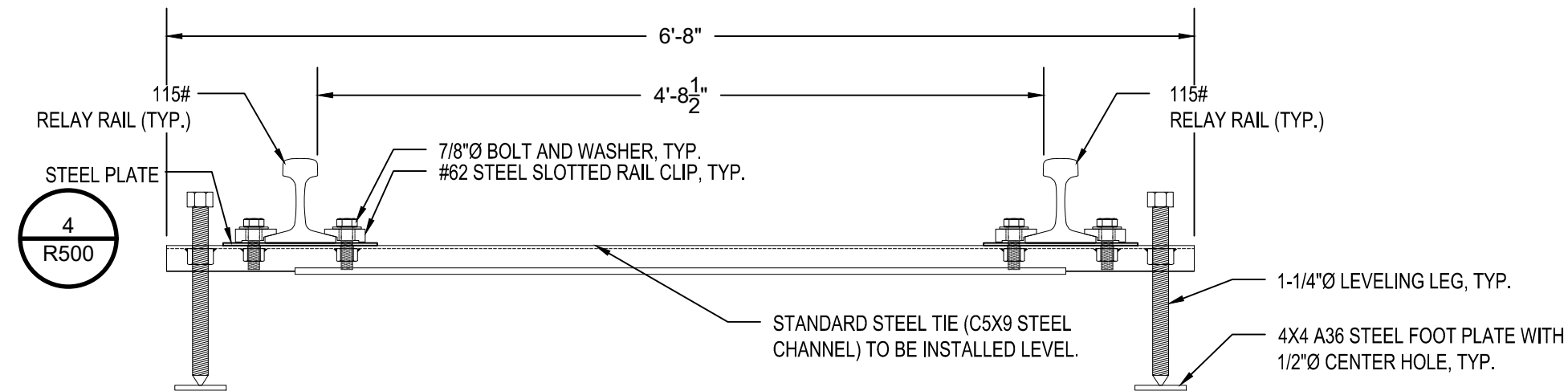


RAIL SECTION w/BALLAST ONLY

TRACK 5: STA 51+50.00 TO STA 56+27.39

TRACK 6: STA 60+00.00 TO STA 64+39.68

TRACK 7: STA 70+00.00 TO STA 74+98.76



NOTE:

1. IRON HORSE MAXIMUM RECOMMENDED TIE SACING 10'-0" ON TANGENT AND 5'-0" ON CURVE.
2. TENSION ANCHOR BOLTS IN ACCORDANCE WITH APPROVED MANUFACTURER OR ANCHOR BOLT ASSEMBLY.
3. ALL ANCHOR BOLT ASSEMBLIES, CLIPS, PLATES, RAIL, AND EDGE ANGLES SHALL BE CLEANED BEFORE PLACEMENT OF EMBEDMENT CONCRETE.
4. EMBEDDED TRACK RAIL ANCHORS SHALL BE SPACED @ 2'-0", EQUALLY SPACED BETWEEN IRON HORSE LEVELING BEAMS.



HDR Engineering, Inc.
25 W. Cedar Street, Suite 200
Pensacola, FL 32502
Certificate of Authorization No. 4213

A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

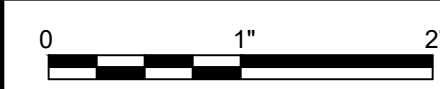
PROJECT MANAGER	HAC
DESIGNED BY	MLY
CHECKED BY	JLF
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT

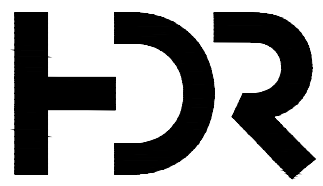
RAIL DETAIL



FILENAME	R500.DWG
SCALE	AS SHOWN

SHEET
R500

Plot Time: Wednesday, October 08, 2025 - 10:49am
Plotted by: JEHIEL
File Name: C:\pwworking\east01\4343785\p200.dwg
Layout Name: Layout1



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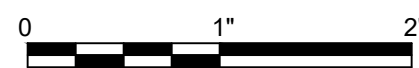
ISSUE	DATE	DESCRIPTION
A	OCT. 2025	ISSUED FOR BID

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



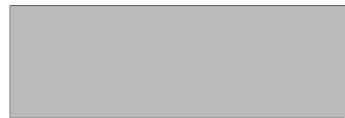
PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
PAVING SITE PLAN - BASE BID
(1 OF 5)



FILENAME	P200.DWG
SCALE	AS SHOWN

SHEET
P200

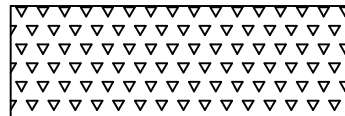
LEGEND



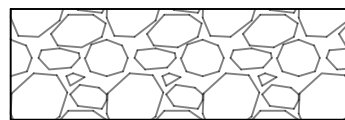
ASPHALT BASE BID



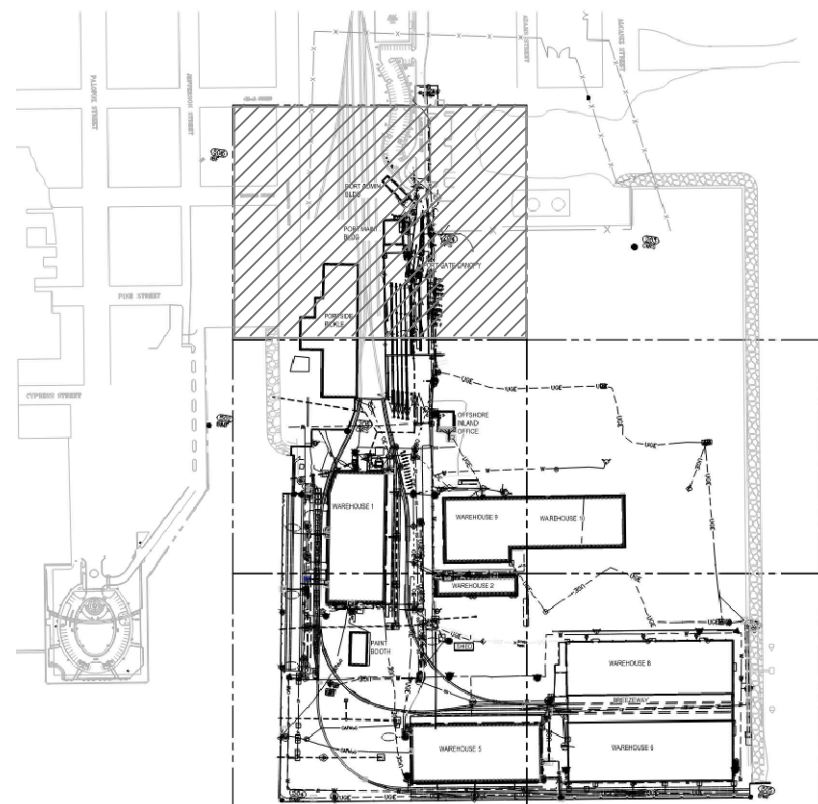
CONCRETE BASE BID



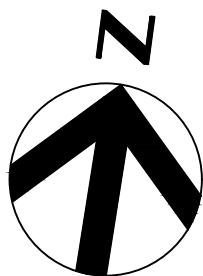
BALLAST BASE BID



GRAVEL OR FILL
BASE BID



KEYMAP



SCALE: 1" = 40'

MAGNOLIA STREET

COMMENDENCIA STREET

BARRACKS STREET

PORT
ADMIN
BLDG

PORT
MAINT.
BLDG

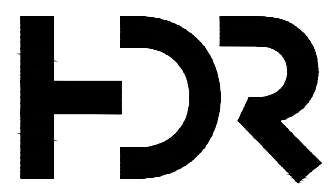
PORTSIDE
PICKLE

PAVING REPAIRS AT
LOCATIONS OF NEW
POTABLE WATER LINES
(TYP.)

EXISTING UNPAVED AREAS AT
LOCATIONS OF NEW WATER LINE
INSTALLATIONS TO RECEIVE BACKFILL
PER WATER LINE INSTALLATION DETAILS.
FINISHED SURFACE TO BE GRASS OR
CRUSHED STONE TO MATCH EXISTING.

MATCHLINE - SEE P201

Plot Time: Wednesday, October 08, 2025 - 12:35pm Plotted by: JEHIEL
File Name: C:\pwworking\east01\434343785\p201.dwg Layout Name: Layout1



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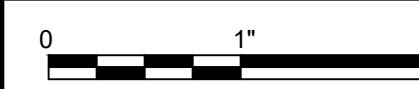
A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION

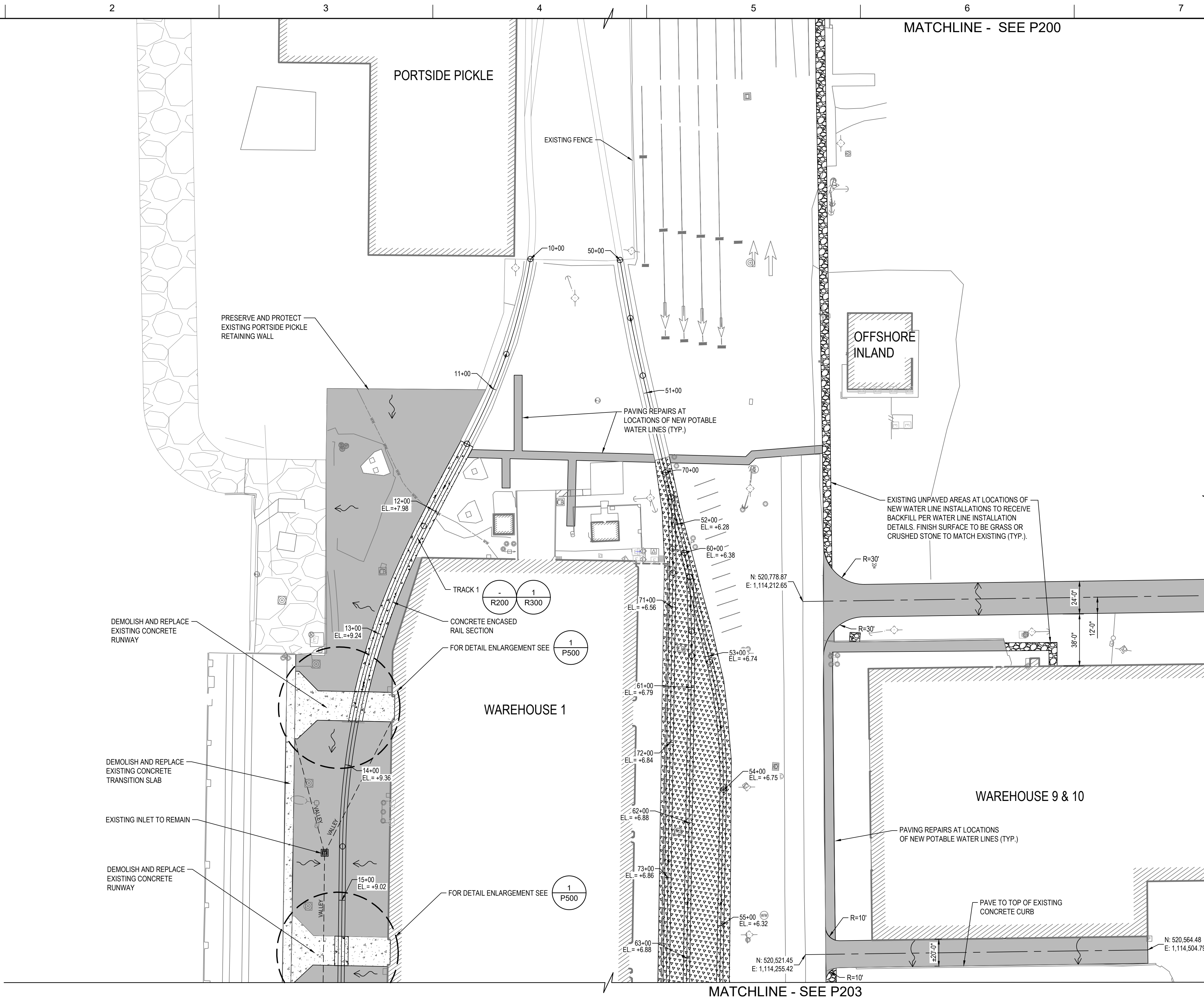


PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
PAVING SITE PLAN - BASE BID
(2 OF 5)



FILENAME	P201.DWG
SCALE	AS SHOWN

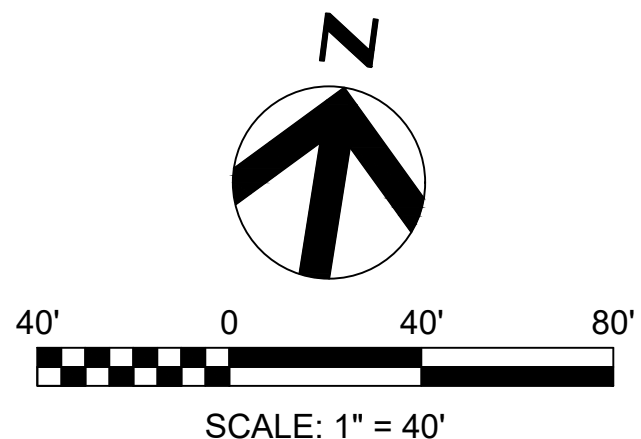
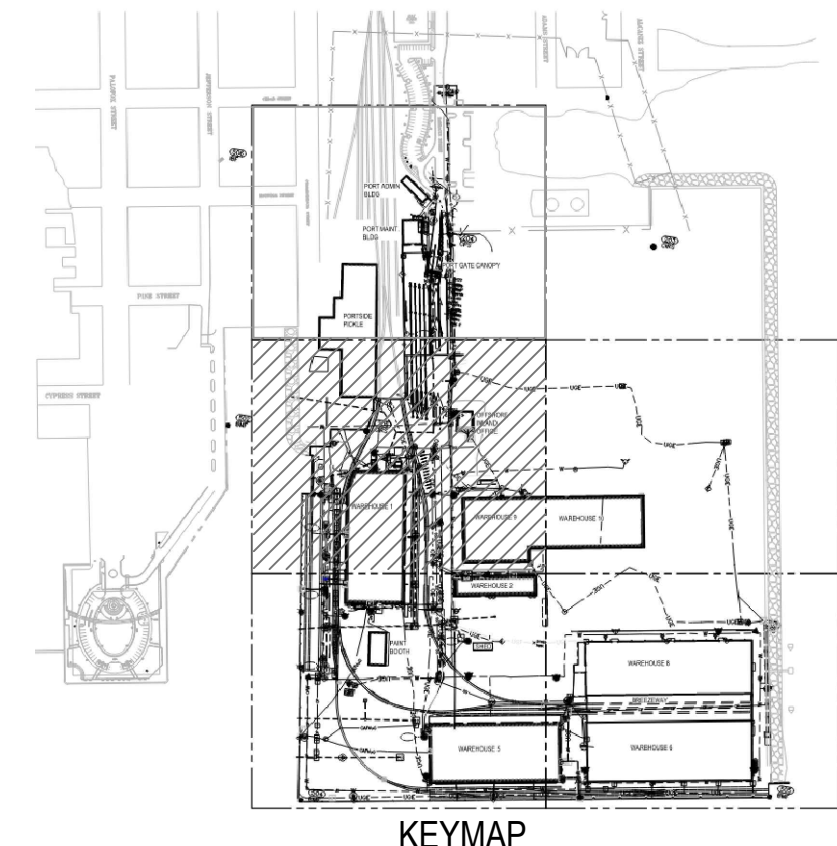
SHEET
P201



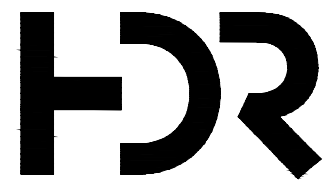
LEGEND

- ASPHALT BASE BID
- CONCRETE BASE BID
- BALLAST BASE BID
- GRAVEL OR FILL BASE BID

MATCHLINE: SEE P202



Plot Time: Wednesday, October 08, 2025 - 11:26am
Plotted by: JEHIEL
File Name: C:\pwworking\east01\04343785\p202.dwg
Layout Name: Layout1



HDR Engineering, Inc.
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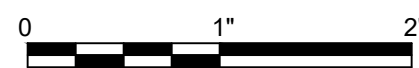
ISSUE	DATE	DESCRIPTION
A	OCT. 2025	ISSUED FOR BID

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
PAVING SITE PLAN - BASE BID
(3 OF 5)



FILENAME	P202.DWG
SCALE	AS SHOWN

SHEET
P202

MATCHLINE - SEE P201

WAREHOUSE 10

N: 520,881.41
E: 1,114,803.61

24'-0"
38'-0"
12'-0"

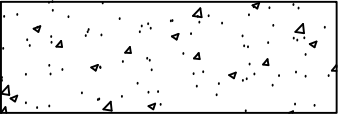
MATCHLINE SEE P204

EXISTING SHORE PROTECTION

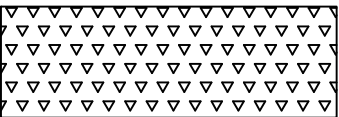
LEGEND



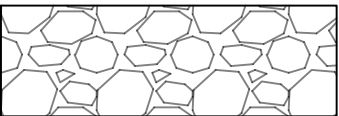
ASPHALT BASE BID



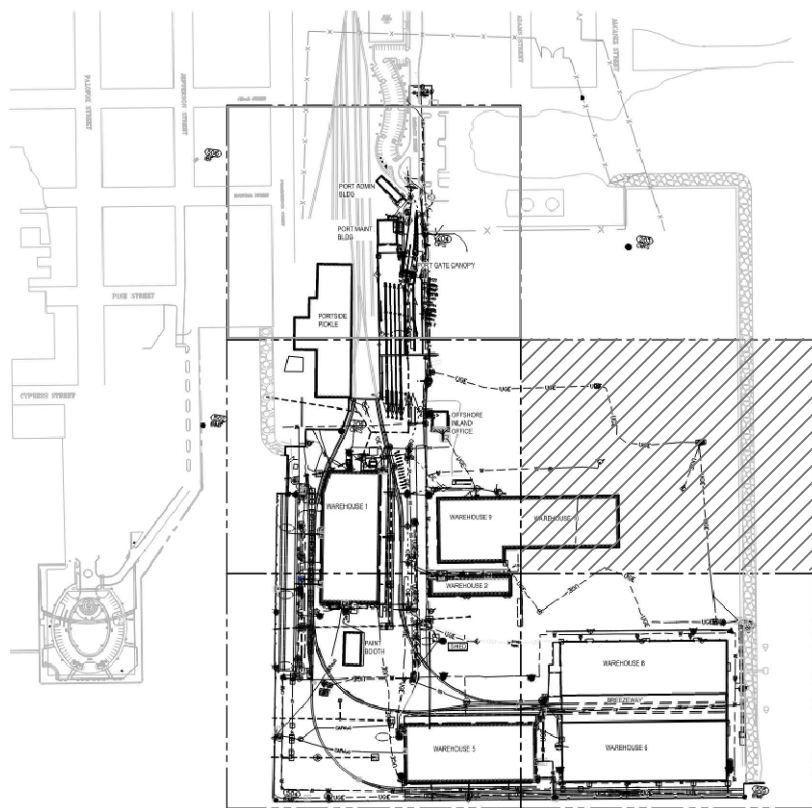
CONCRETE BASE BID



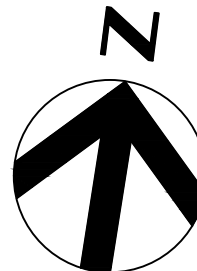
BALLAST BASE BID



GRAVEL OR FILL
BASE BID

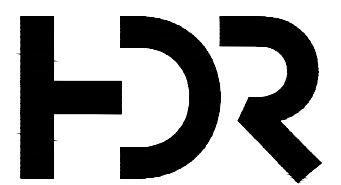


KEYMAP



SCALE: 1" = 40'

Plot Time: Wednesday, October 08, 2025 - 11:43am Plotted by: JEHIEL
File Name: C:\pwworking\east01\44343785\p203.dwg Layout Name: Layout1



HDR Engineering, Inc.
25 W. Cedar Street, Suite 200
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A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



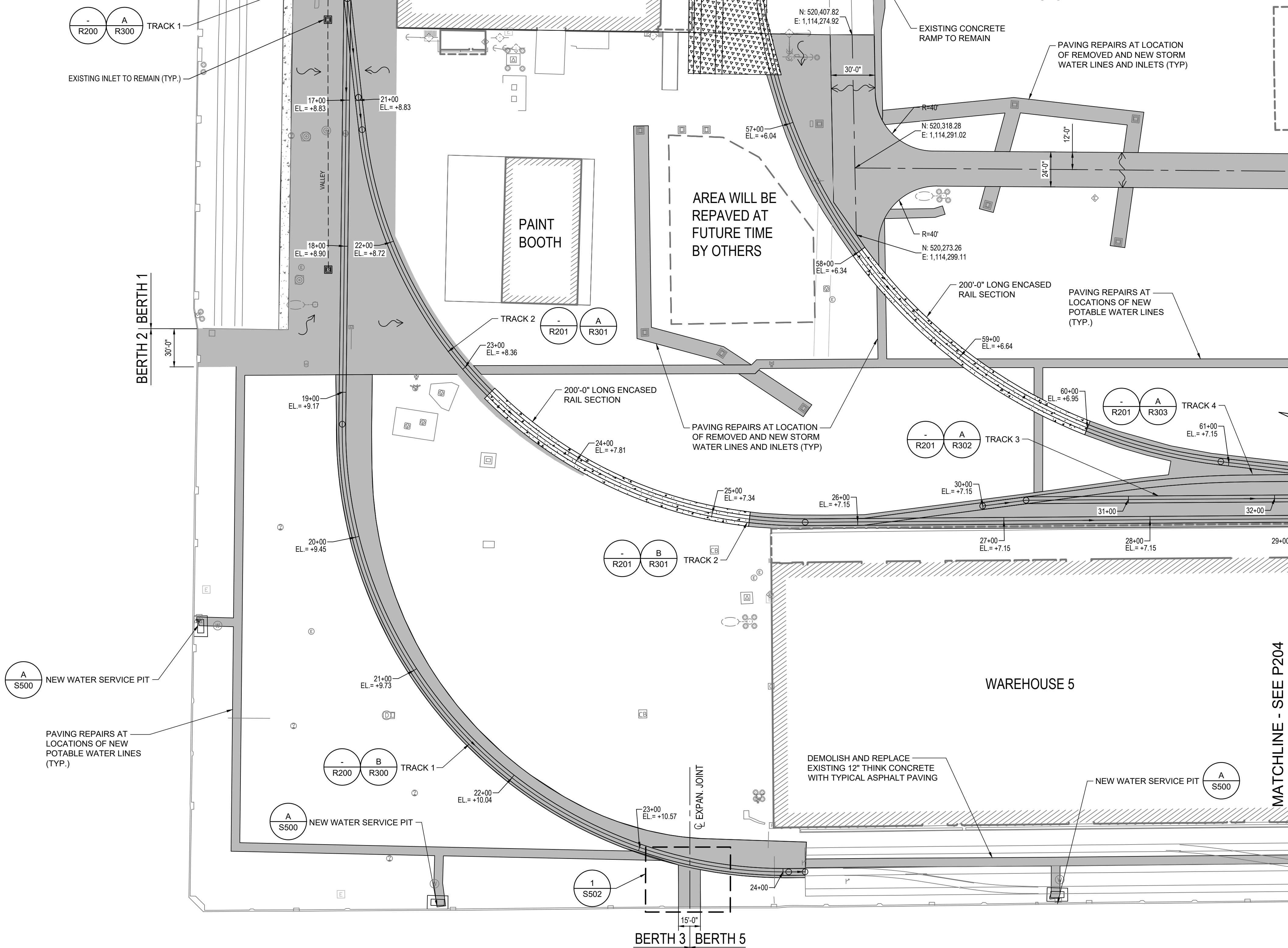
PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
PAVING SITE PLAN - BASE BID
(4 OF 5)



FILENAME P203.DWG
SCALE AS SHOWN

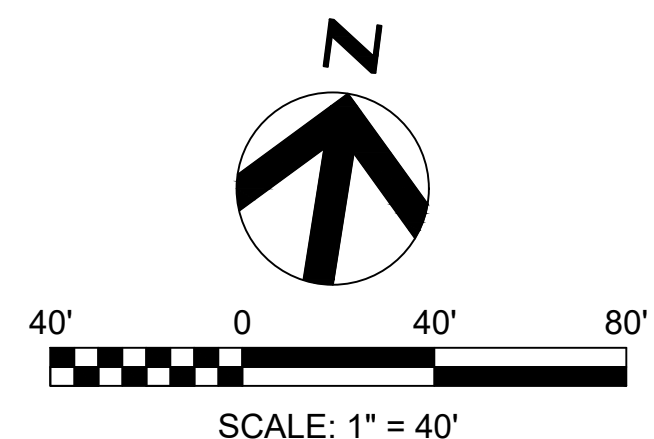
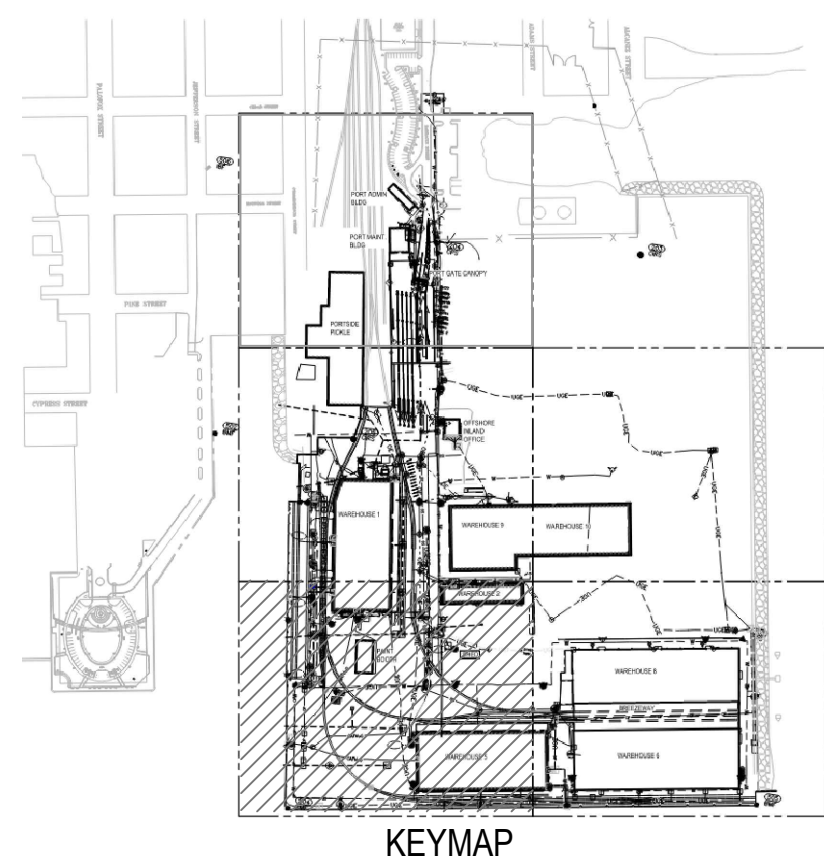
SHEET
P203

MATCHLINE - SEE P201



LEGEND

- ASPHALT BASE BID
- CONCRETE BASE BID
- BALLAST BASE BID
- GRAVEL OR FILL BASE BID



Plot Time: Wednesday, October 08, 2025 - 11:48am Plotted by: JEHIEL
File Name: C:\pwworking\east01\44343785\204.dwg Layout Name: Layout1

1

2

3

4

5

6

7

8

MATCHLINE - SEE P202

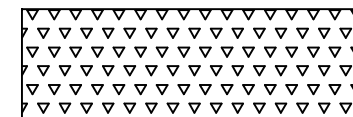
LEGEND



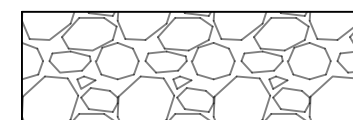
ASPHALT BASE BID



CONCRETE BASE BID

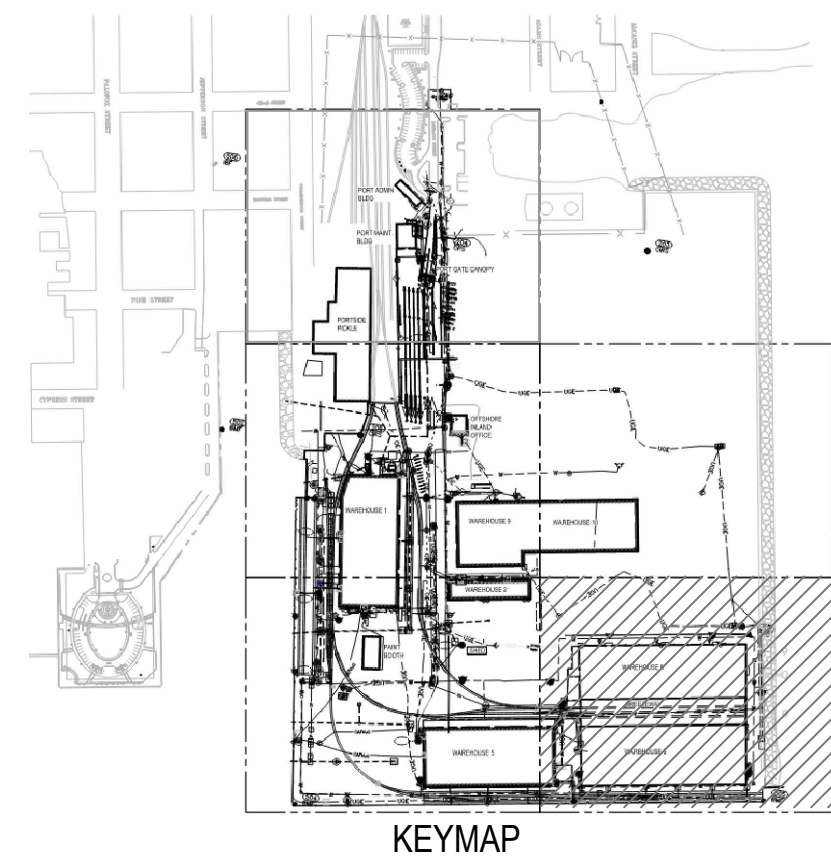
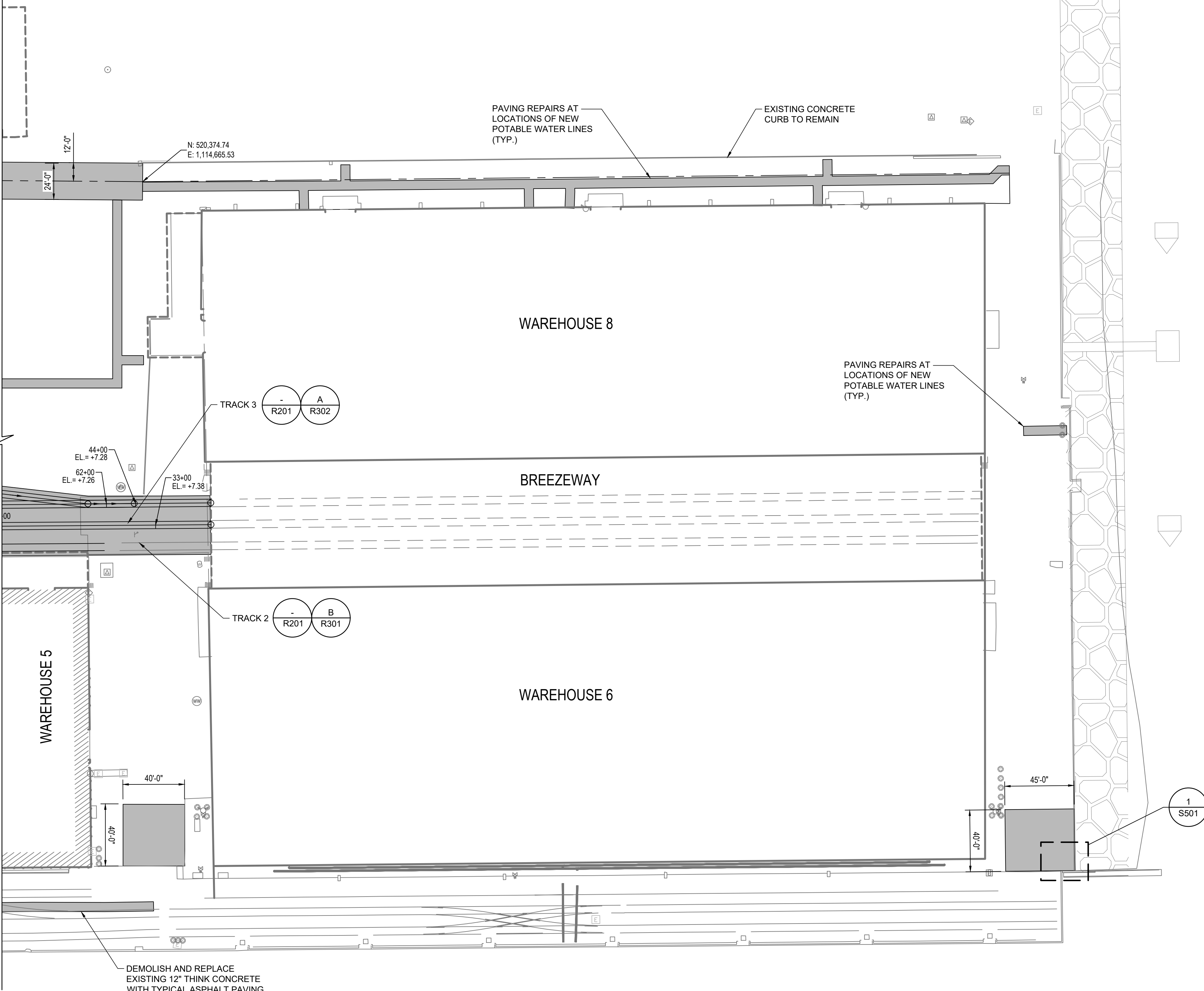


BALLAST BASE BID

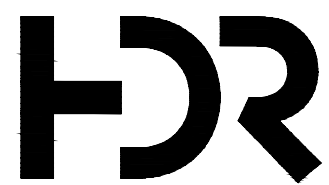
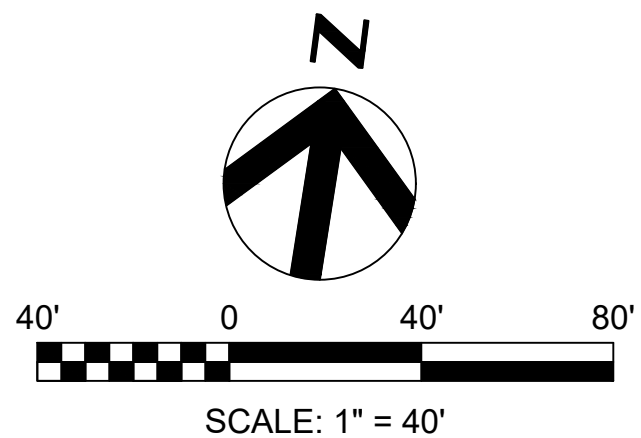


GRAVEL OR FILL
BASE BID

MATCHLINE - SEE P203



KEYMAP



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Certificate of Authorization No. 4213

A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



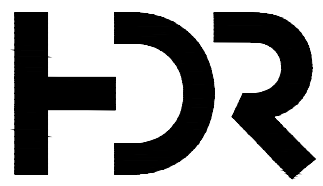
PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
PAVING SITE PLAN - BASE BID
(5 OF 5)



FILENAME	P204.DWG
SCALE	AS SHOWN

SHEET
P204

Plot Time: Wednesday, October 08, 2025 - 11:58am Plotted by: JEHIEL
File Name: C:\pwworking\east01\4343785\p205.dwg Layout Name: Layout1



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Pensacola, FL 32502
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A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION

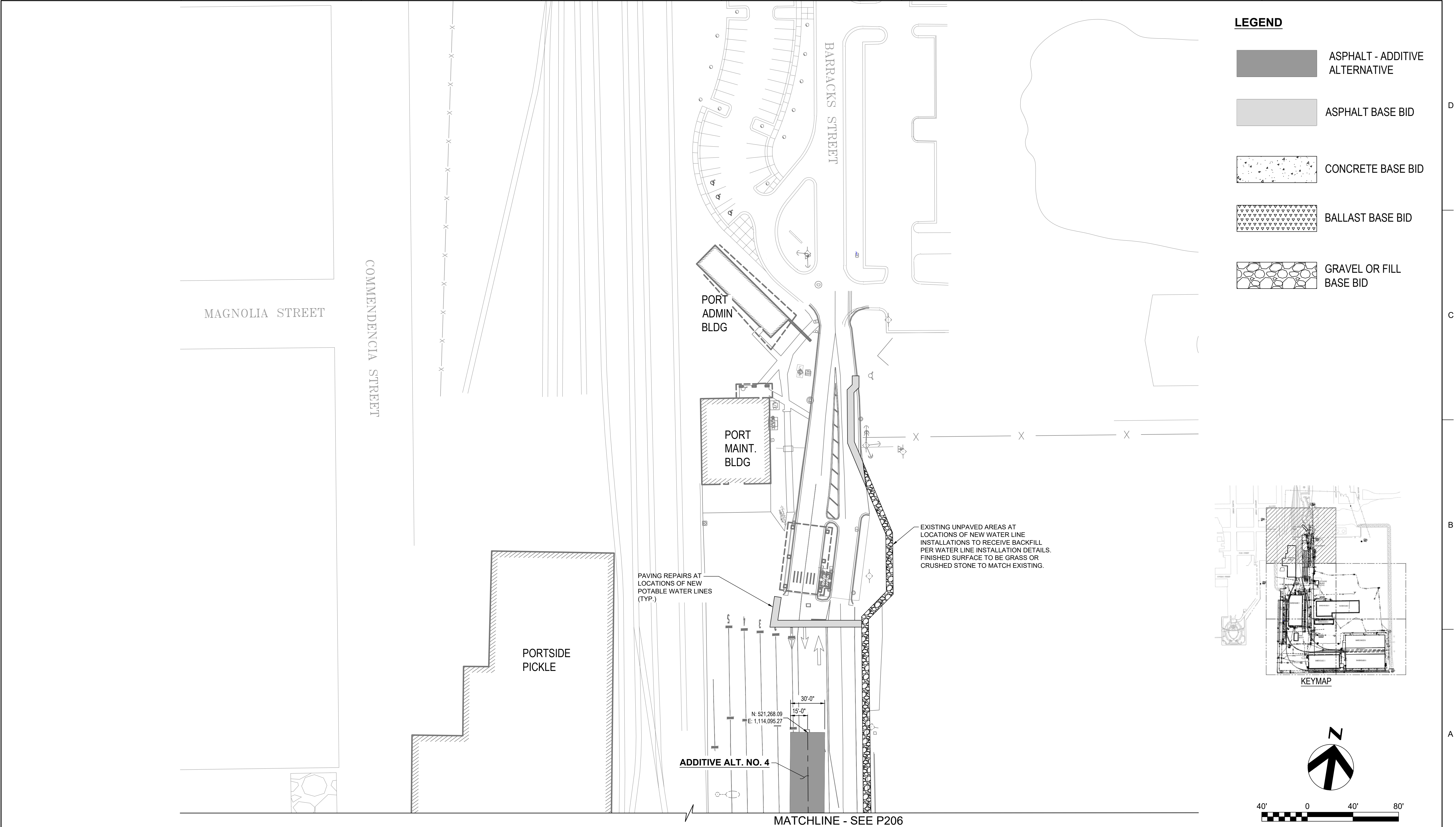


PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
PAVING SITE PLAN - ADDITIVE ALTERNATIVES
(1 OF 5)

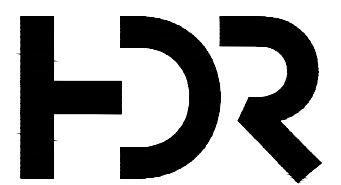


FILENAME	P205.DWG
SCALE	AS SHOWN

SHEET
P205



Plot Time: Wednesday, October 08, 2025 - 12:42pm
Plotted by: JEHIEL
File Name: C:\pwworking\east01\4343785\p206.dwg
Layout Name: Layout1



HDR Engineering, Inc.
25 W. Cedar Street, Suite 200
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Certificate of Authorization No. 4213

A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION

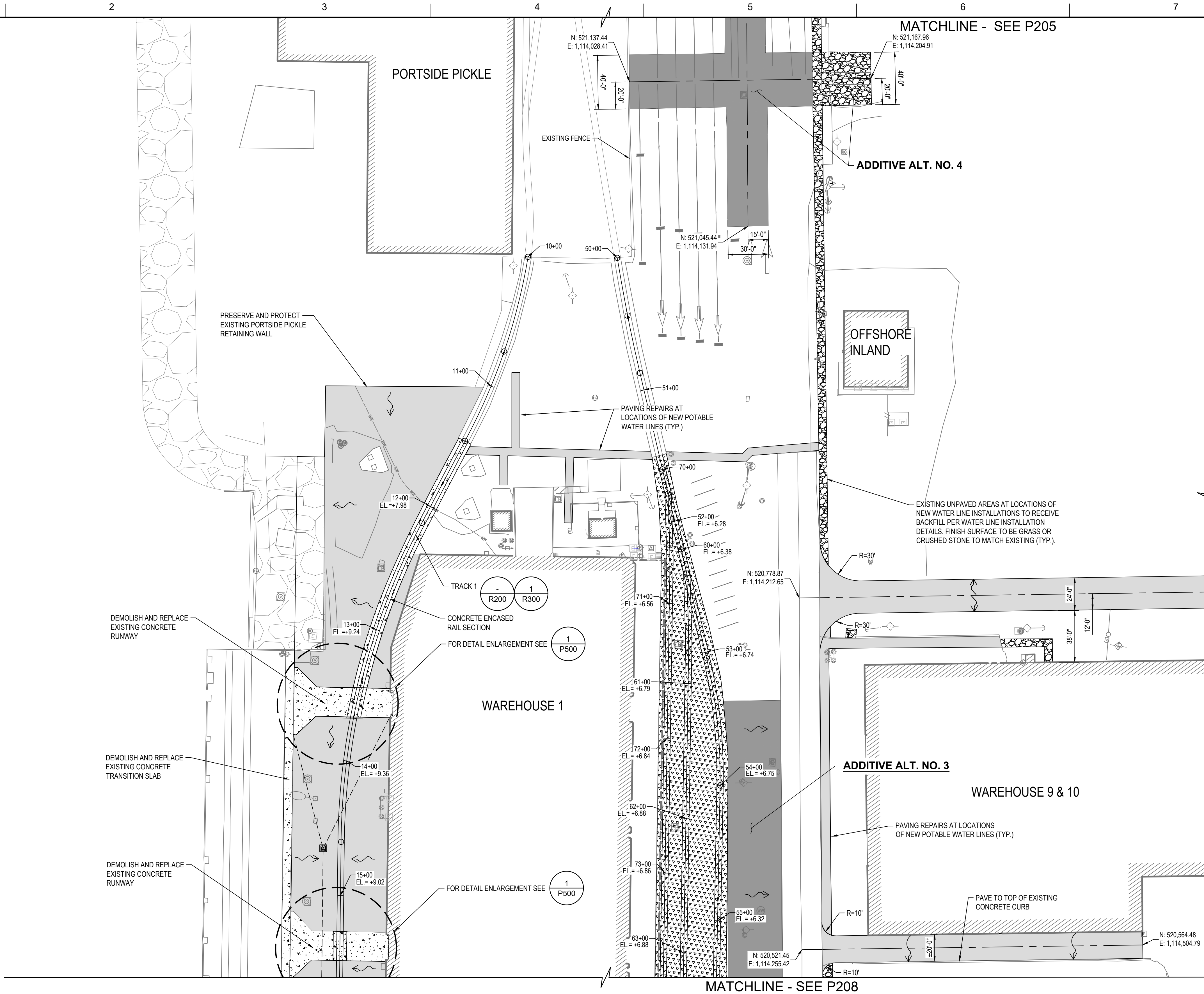


PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
PAVING SITE PLAN - ADDITIVE ALTERNATIVES
(2 OF 5)



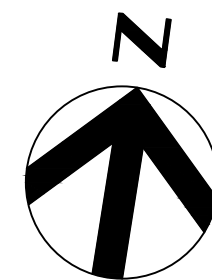
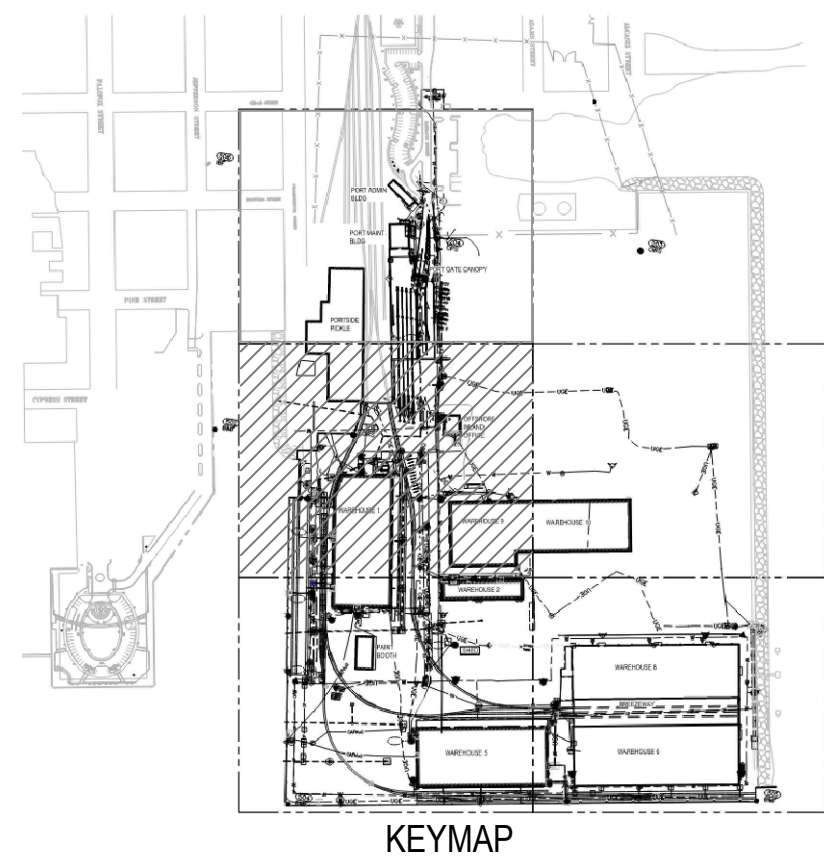
FILENAME P206.DWG
SCALE AS SHOWN

SHEET
P206



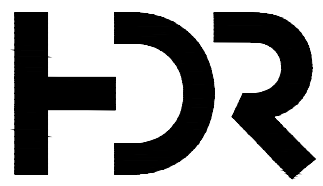
LEGEND

- ASPHALT - ADDITIVE ALTERNATIVE
- ASPHALT BASE BID
- CONCRETE BASE BID
- BALLAST BASE BID
- GRAVEL OR FILL BASE BID



40' 0 40' 80'
SCALE: 1" = 40'

Plot Time: Wednesday, October 08, 2025 - 12:50pm
Plotted by: JEHIEL
File Name: C:\pwworking\east01\04343785\p207.dwg
Layout Name: Layout1



HDR Engineering, Inc.
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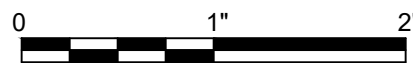
ISSUE	DATE	DESCRIPTION
A	OCT. 2025	ISSUED FOR BID

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
PAVING SITE PLAN - ADDITIVE ALTERNATIVES
(3 OF 5)



FILENAME	P207.DWG
SCALE	AS SHOWN

SHEET
P207

MATCHLINE - SEE P206

WAREHOUSE 10

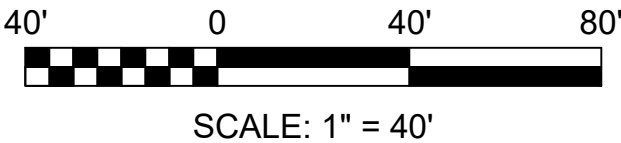
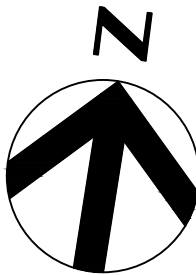
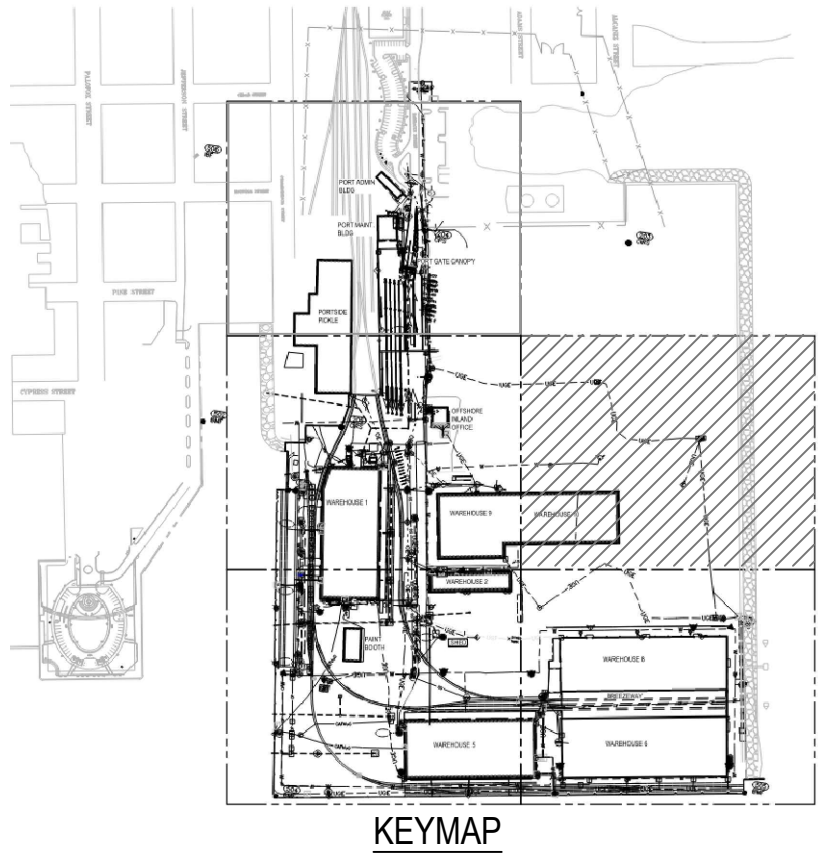
N: 520,881.41
E: 1,114,803.61

MATCHLINE SEE P209

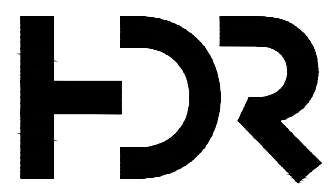
EXISTING SHORE PROTECTION

LEGEND

- ASPHALT - ADDITIVE ALTERNATIVE
- ASPHALT BASE BID
- CONCRETE BASE BID
- BALLAST BASE BID
- GRAVEL OR FILL BASE BID



Plot Time: Wednesday, October 08, 2025 - 1:11pm Plotted by: JEH
File Name: C:\pwworking\leos01\434343785\p208.dwg Layout Name: Layout1



HDR Engineering, Inc.
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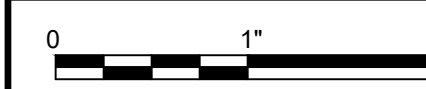
A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



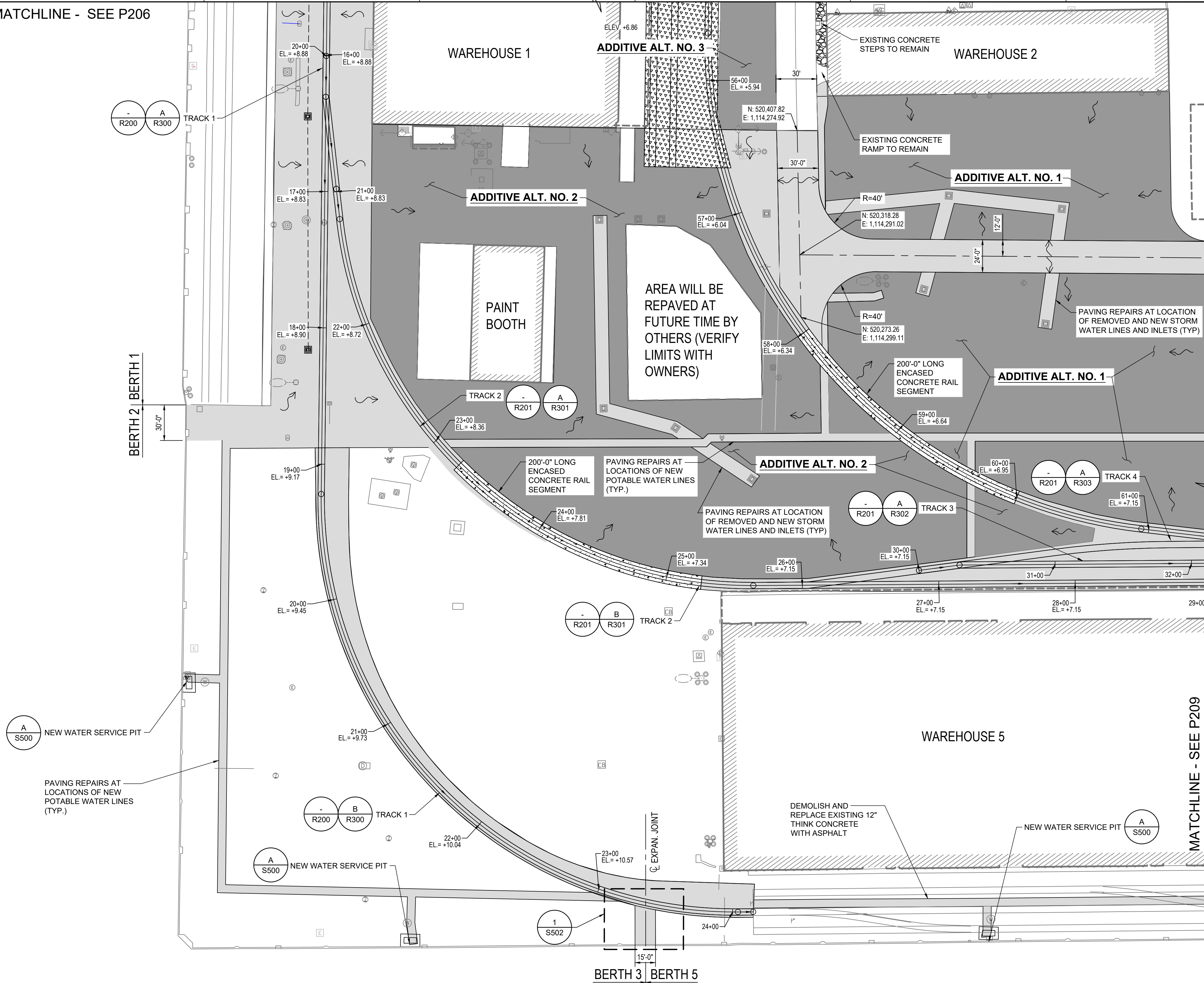
PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
PAVING SITE PLAN - ADDITIVE ALTERNATIVES
(4 OF 5)



FILENAME P208.DWG
SCALE AS SHOWN

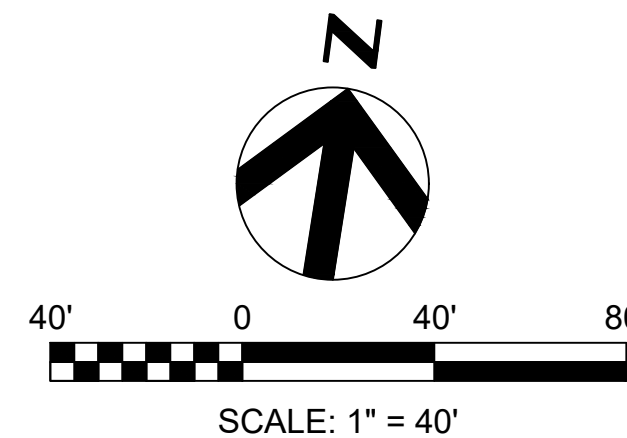
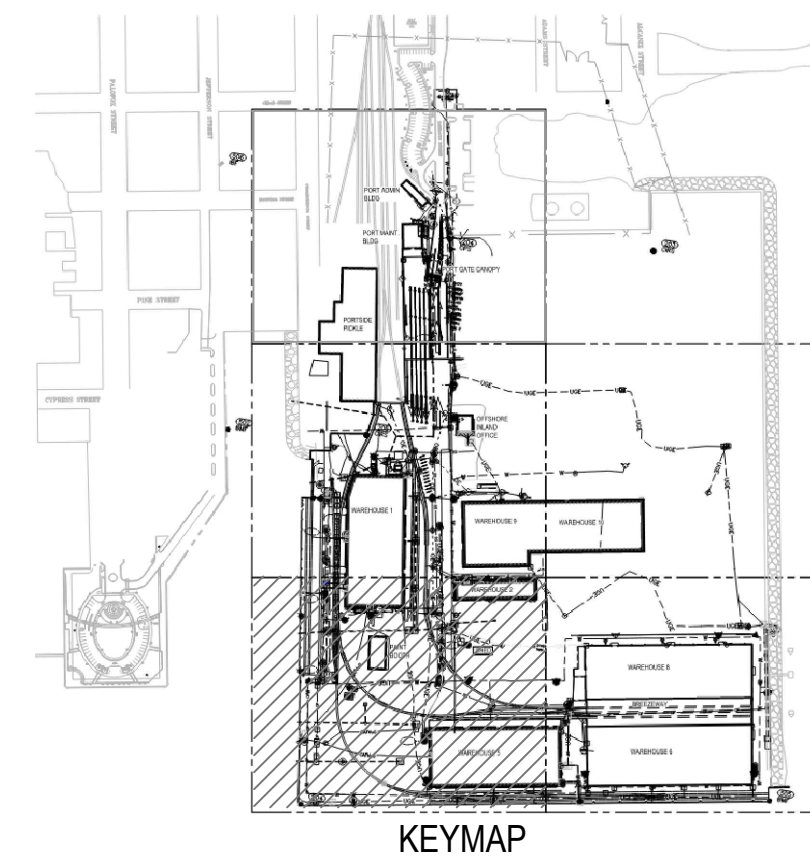
SHEET
P208

MATCHLINE - SEE P206

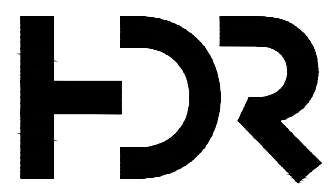


LEGEND

- ASPHALT - ADDITIVE ALTERNATIVE
- ASPHALT BASE BID
- CONCRETE BASE BID
- BALLAST BASE BID
- GRAVEL OR FILL BASE BID



Plot Time: Wednesday, October 08, 2025 - 1:19pm Plotted by: JEH/EL
File Name: C:\pwworking\ees01\44343785\209.dwg Layout Name: Layout1



HDR Engineering, Inc.
25 W. Cedar Street, Suite 200
Pensacola, FL 32502
Certificate of Authorization No. 4213

ISSUE	DATE	DESCRIPTION
A	OCT. 2025	ISSUED FOR BID

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
PAVING SITE PLAN - ADDITIVE ALTERNATIVES
(5 OF 5)

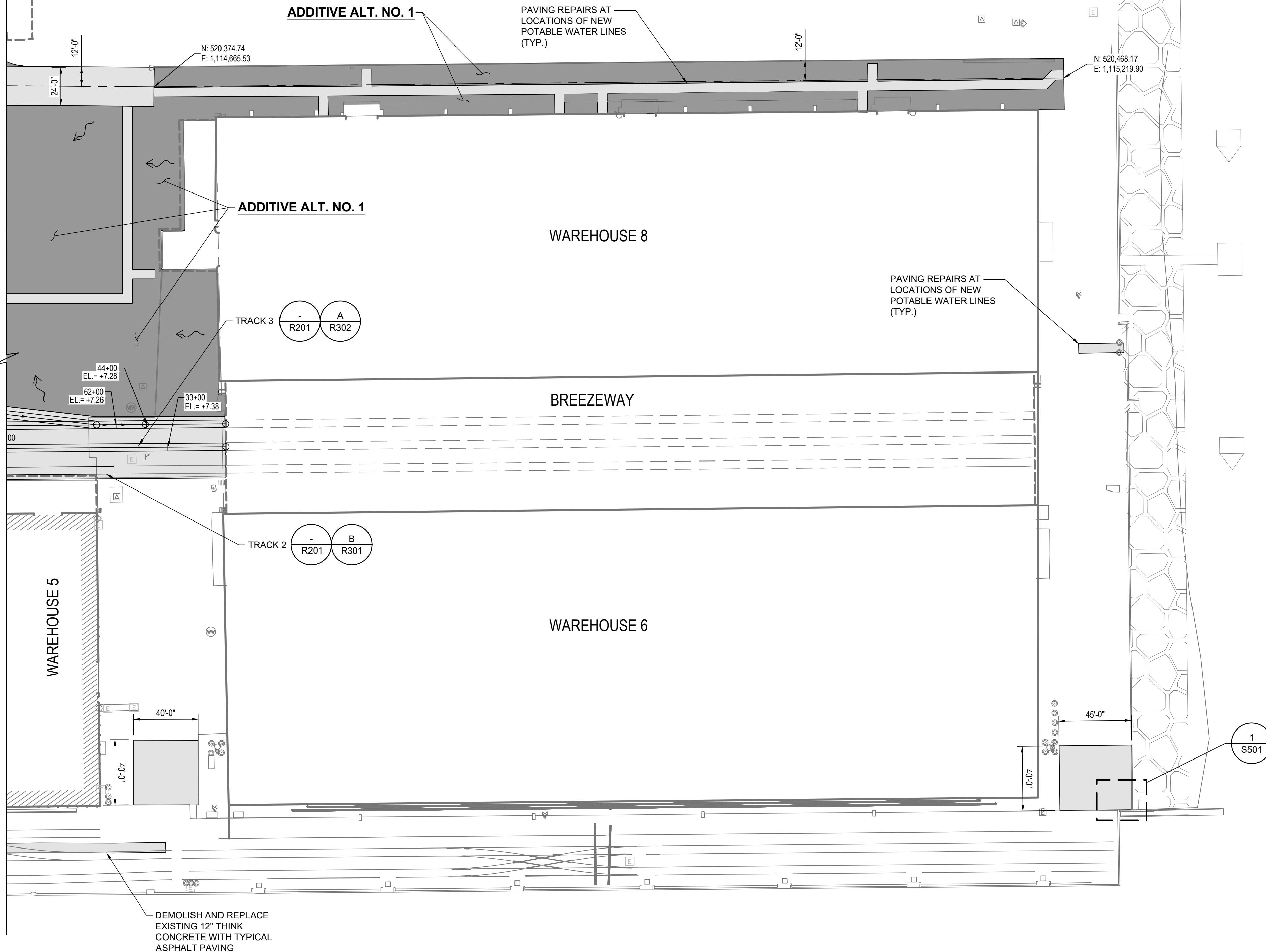


FILENAME	P209.DWG
SCALE	AS SHOWN

SHEET
P209

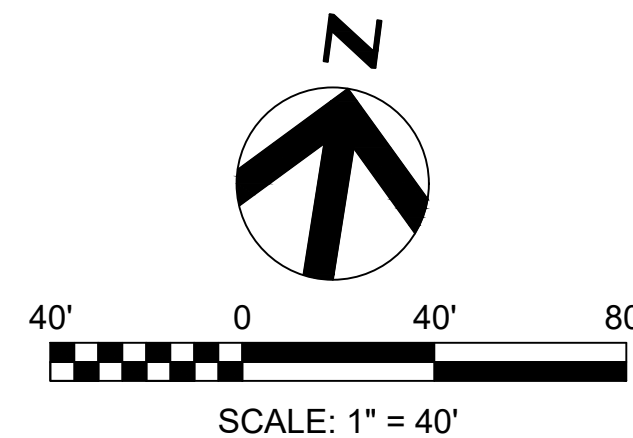
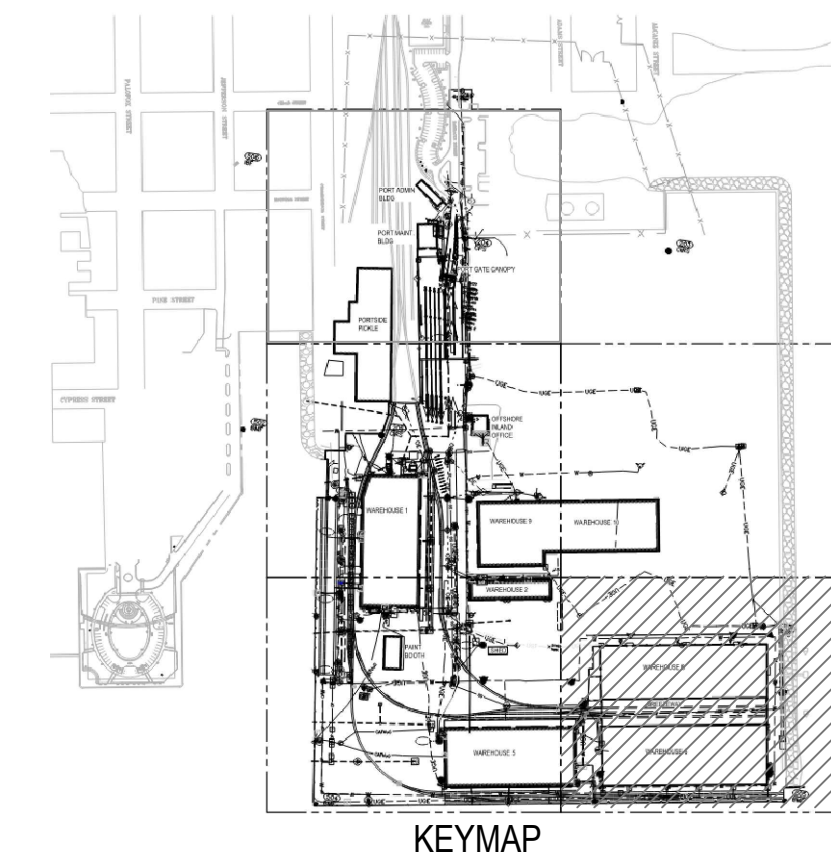
MATCHLINE - SEE P208

MATCHLINE - SEE P207

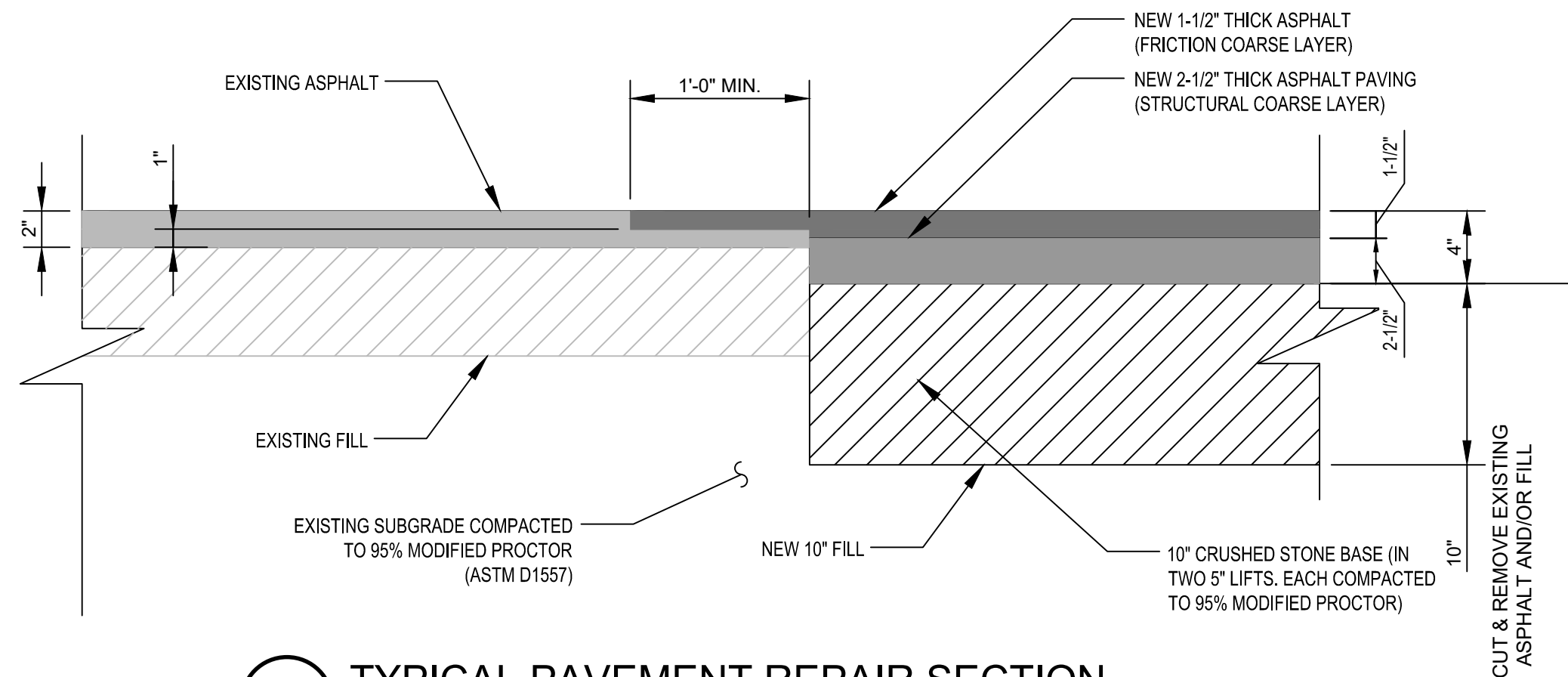
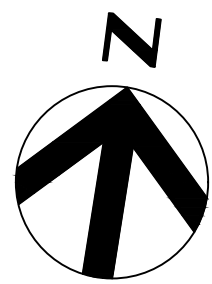


LEGEND

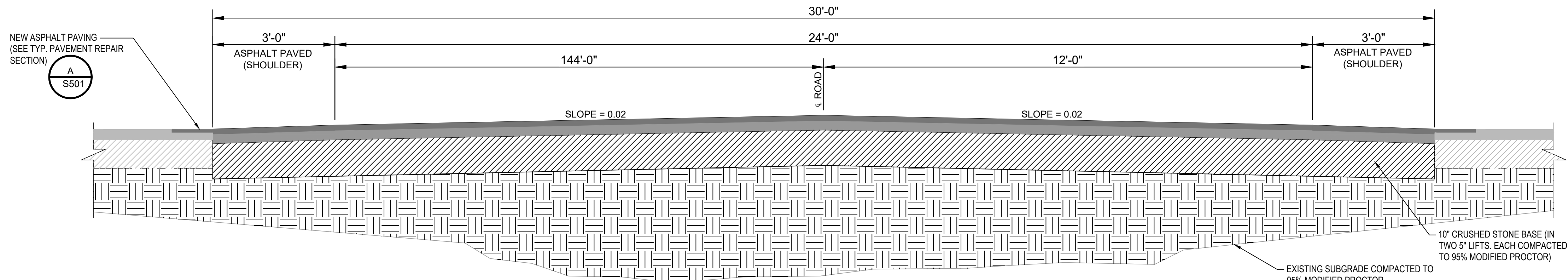
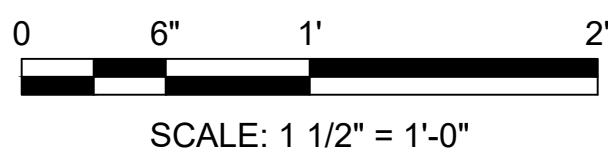
	ASPHALT - ADDITIVE ATERNATIVE
	ASPHALT BASE BID
	CONCRETE BASE BID
	BALLAST BASE BID
	GRAVEL OR FILL BASE BID



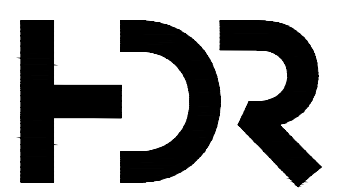
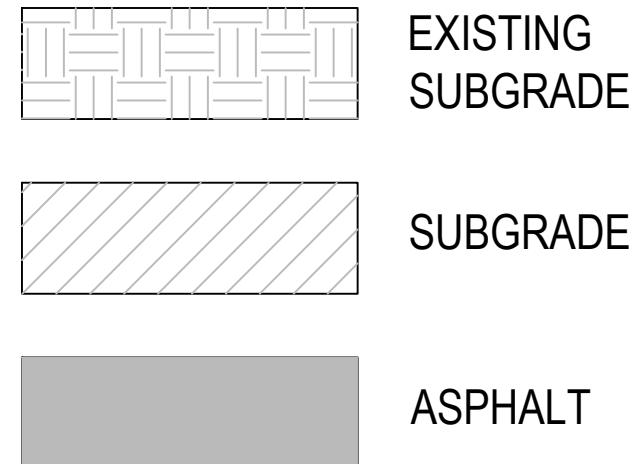
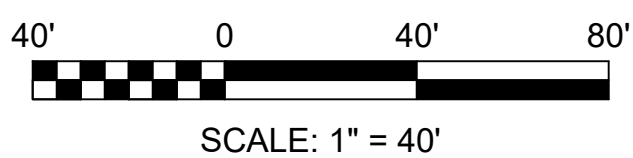
Plot Time: Wednesday, October 08, 2025 -- 1:38pm Plotted by: JEH/EL
File Name: C:\pwworking\east01\44343785\PS01.dwg Layout Name: Layout1



TYPICAL PAVEMENT REPAIR SECTION
1-1/2" = 1'-0"



TYPICAL STREET ASPHALT REPAIR SECTION
1" = 40'-0"



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ISSUE	DATE	DESCRIPTION

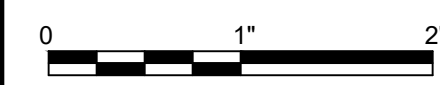
PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT

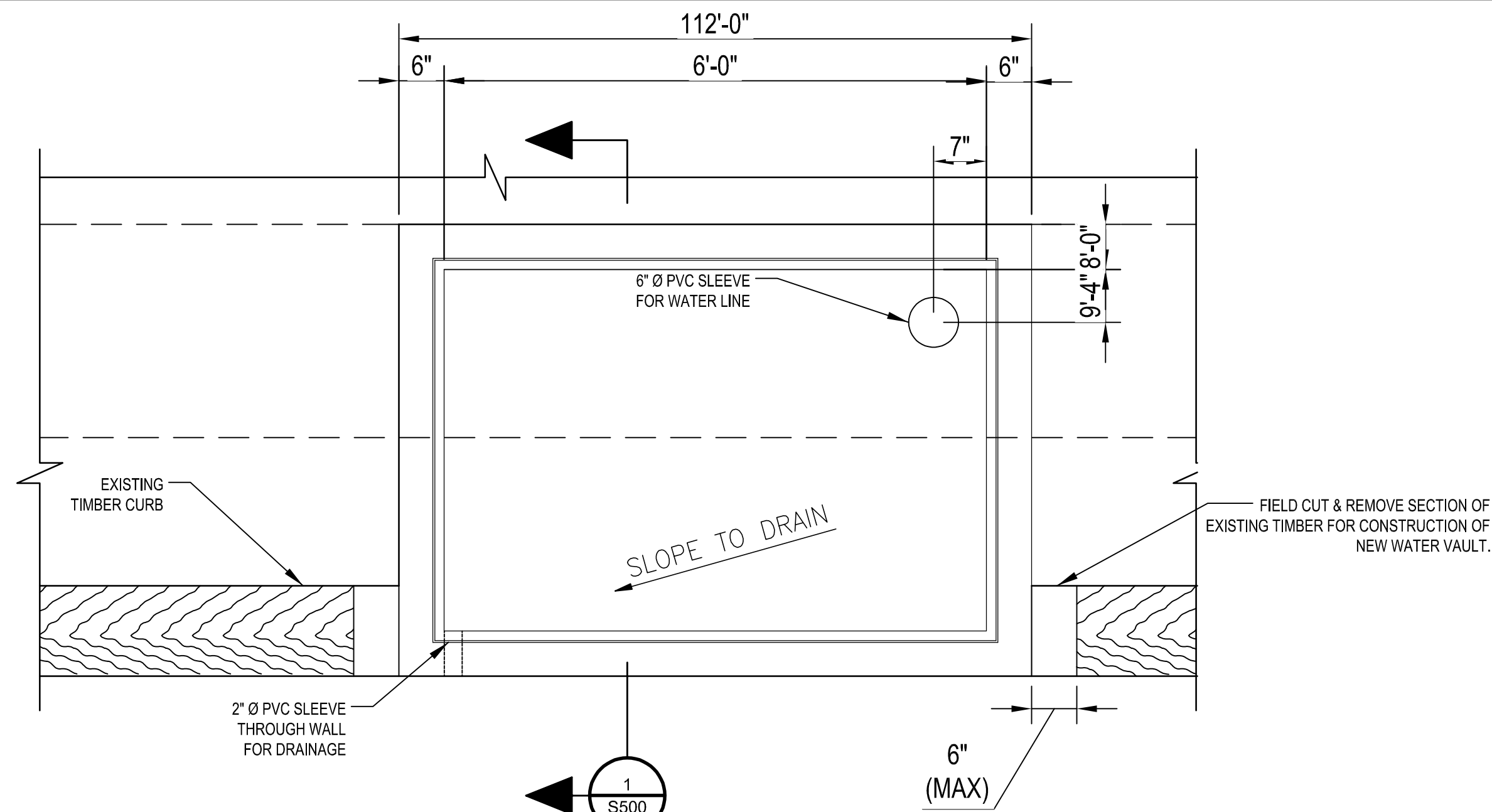
PAVING DETAILS



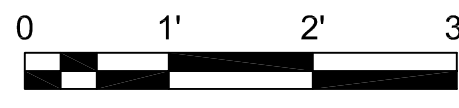
FILENAME	P501.DWG
SCALE	AS SHOWN

SHEET
P501

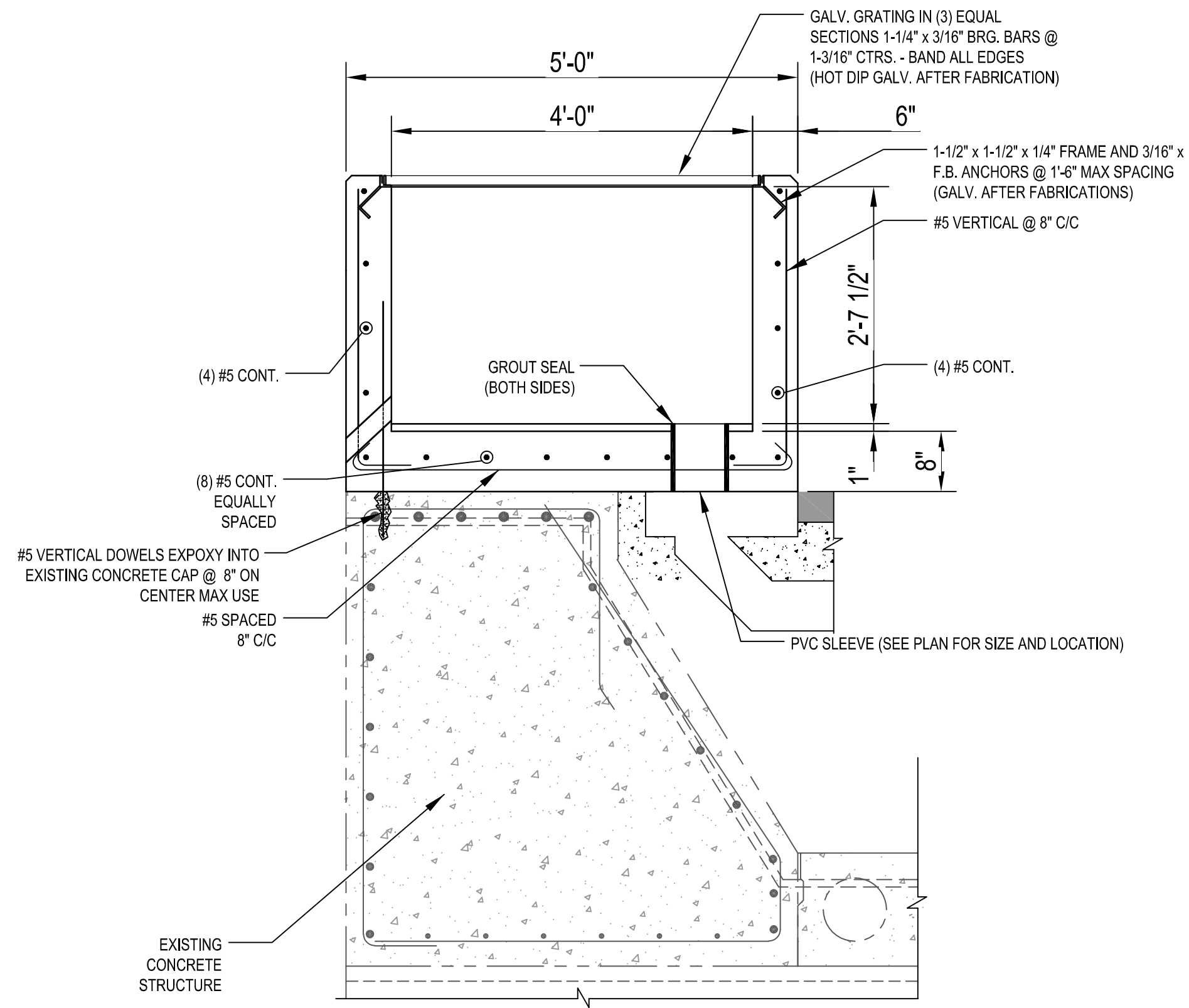
Plot Time: Monday, October 06, 2025 - 7:07pm Plotted by: PMCINTIRE
File Name: C:\pwworking\east01\44343785\S500.dwg Layout Name: Layout1



BERTH 2, 3, &5 WATER VAULT DETAIL - PLAN VIEW



SCALE: 3/4" = 1'-0"



WATER VAULT SECTION



SCALE: 3/4" = 1'-0"



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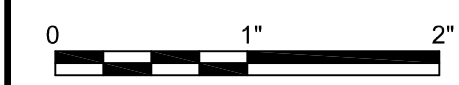
A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



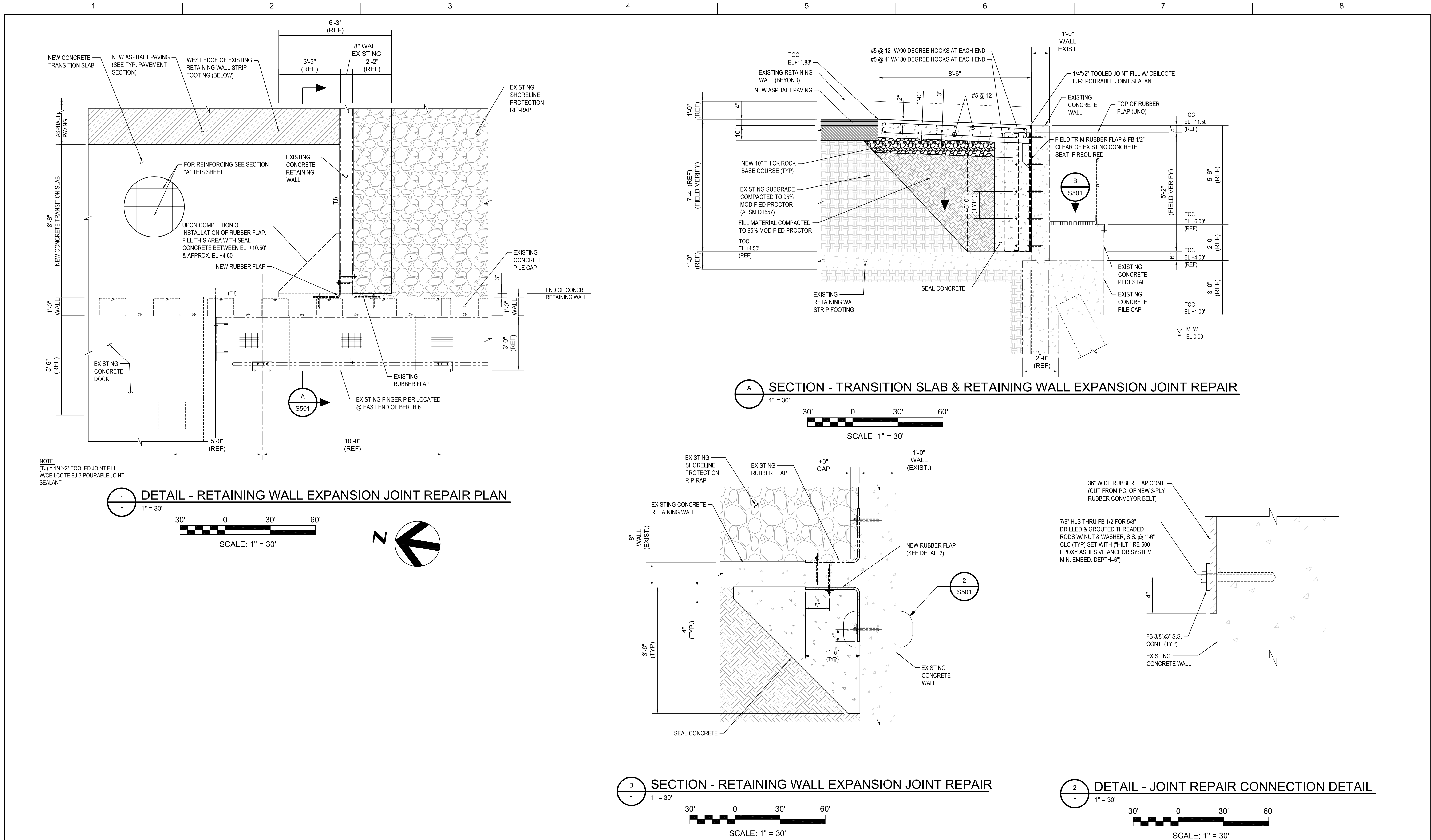
PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
PAVING AND WATER VAULT STRUCTURES
SECTIONS & DETAILS



FILENAME	S500.DWG
SCALE	AS SHOWN

SHEET
S500

Plot Time: Monday, October 06, 2025 - 7:10pm Plotted by: PMONTIRE
File Name: C:\pwworking\east01\434343785\S501.dwg Layout Name: Layout1



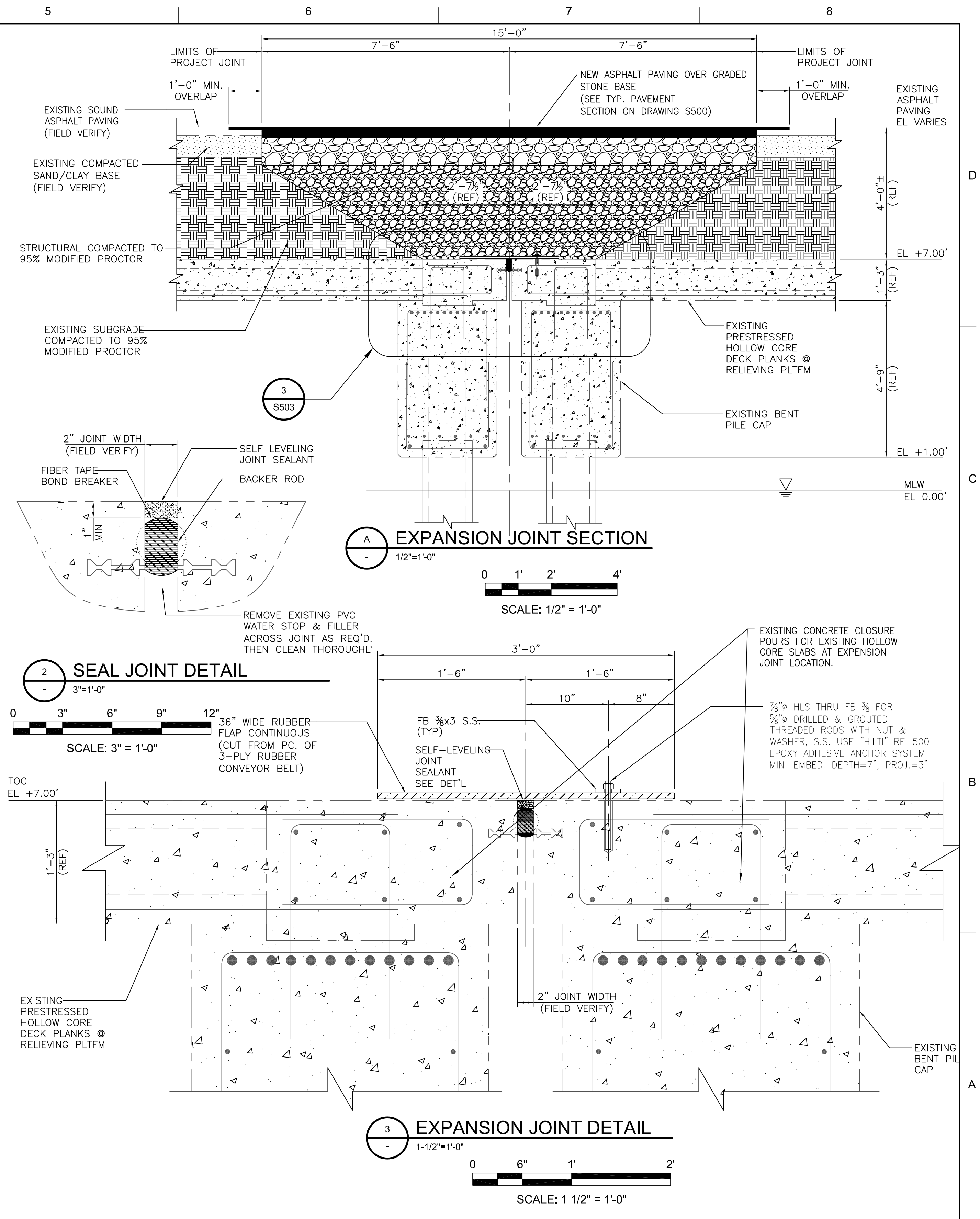
A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

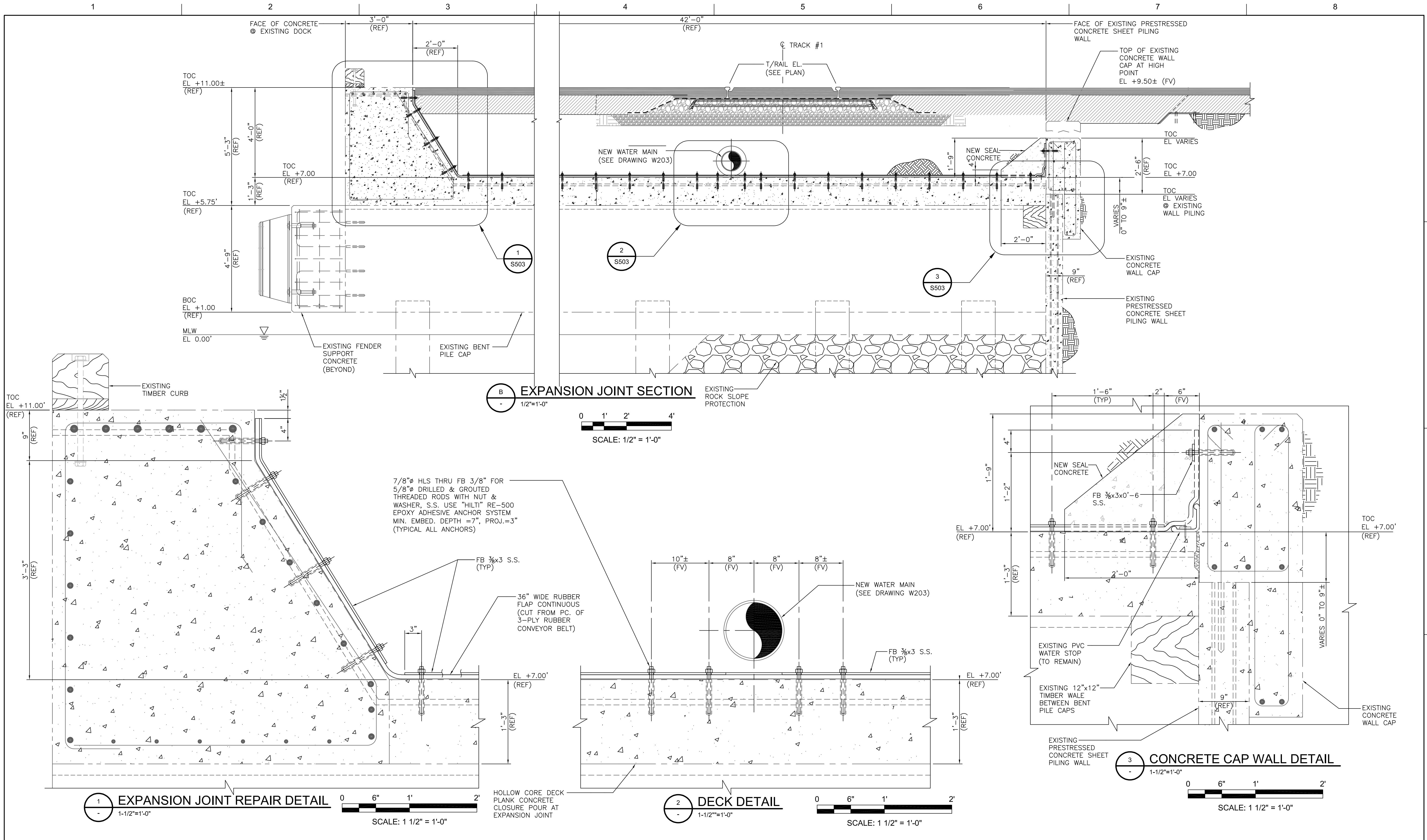
ISSUED FOR BID
NOT FOR CONSTRUCTION



PORT OF PENSACOLA PAVING & RAIL REHABILITATION PROJECT BERTH 6 RETAINING WALL EXPAN. JOINT REPAIR SECTIONS & DETAILS		
0 1" 2"	FILENAME	S501.DWG
	SCALE	AS SHOWN
	SHEET	S501



Plot Time: Monday, October 06, 2025 - 7:14pm Plotted by: PMCONTIRE
File Name: C:\pwworking\east01\434343785\S503.dwg Layout Name: Layout1



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A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



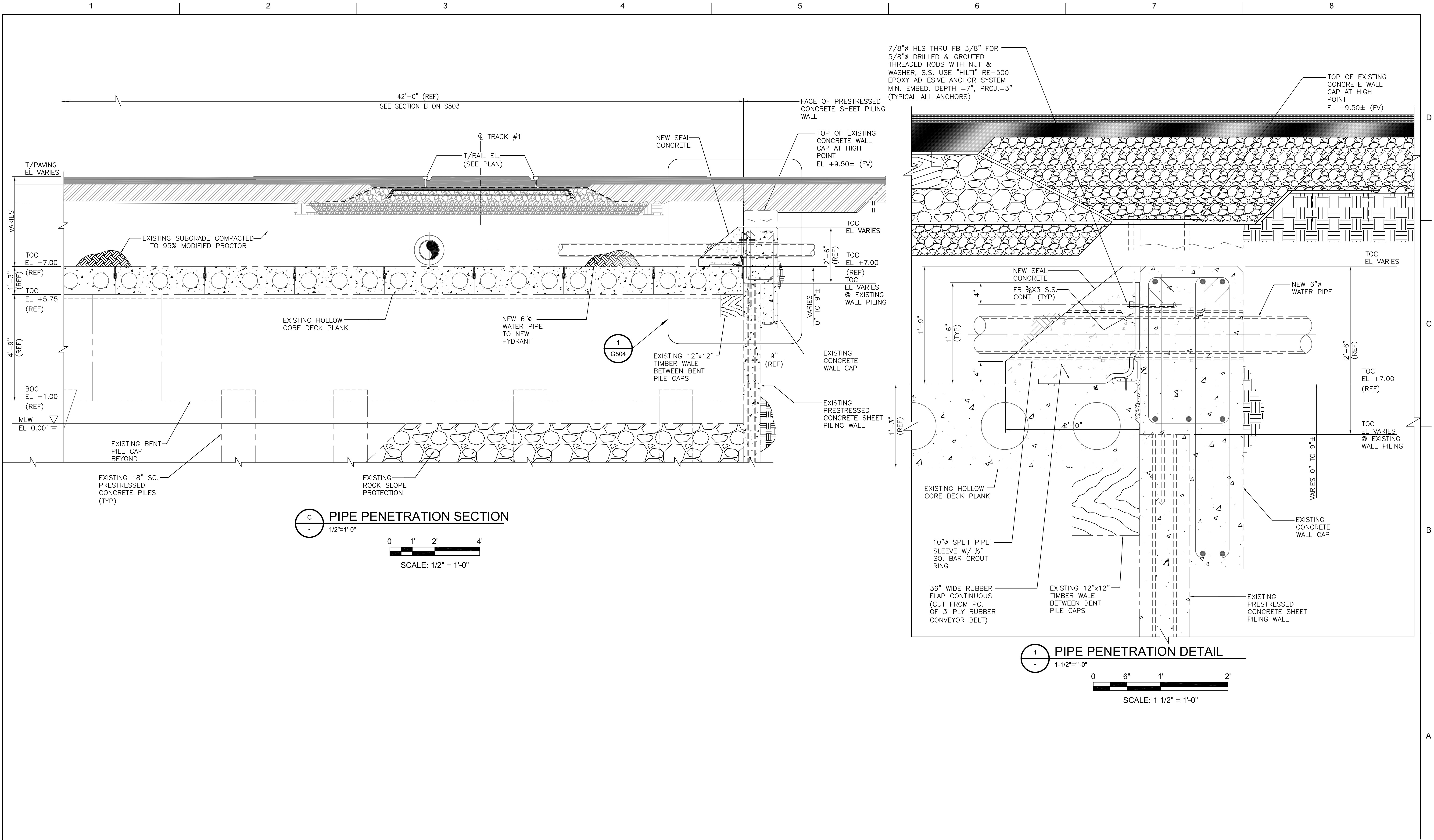
PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
BERTH 3 & 5 EXPANSION JOINT REPAIR
SECTIONS & DETAILS



FILENAME	S503.DWG
SCALE	AS SHOWN

SHEET
S503

Plot Time: Tuesday, October 07, 2025 — 7:31am Plotted by: P/MONTIRE
File Name: C:\pwworking\eos01\434343785\S504.dwg Layout Name: Layout1



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A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



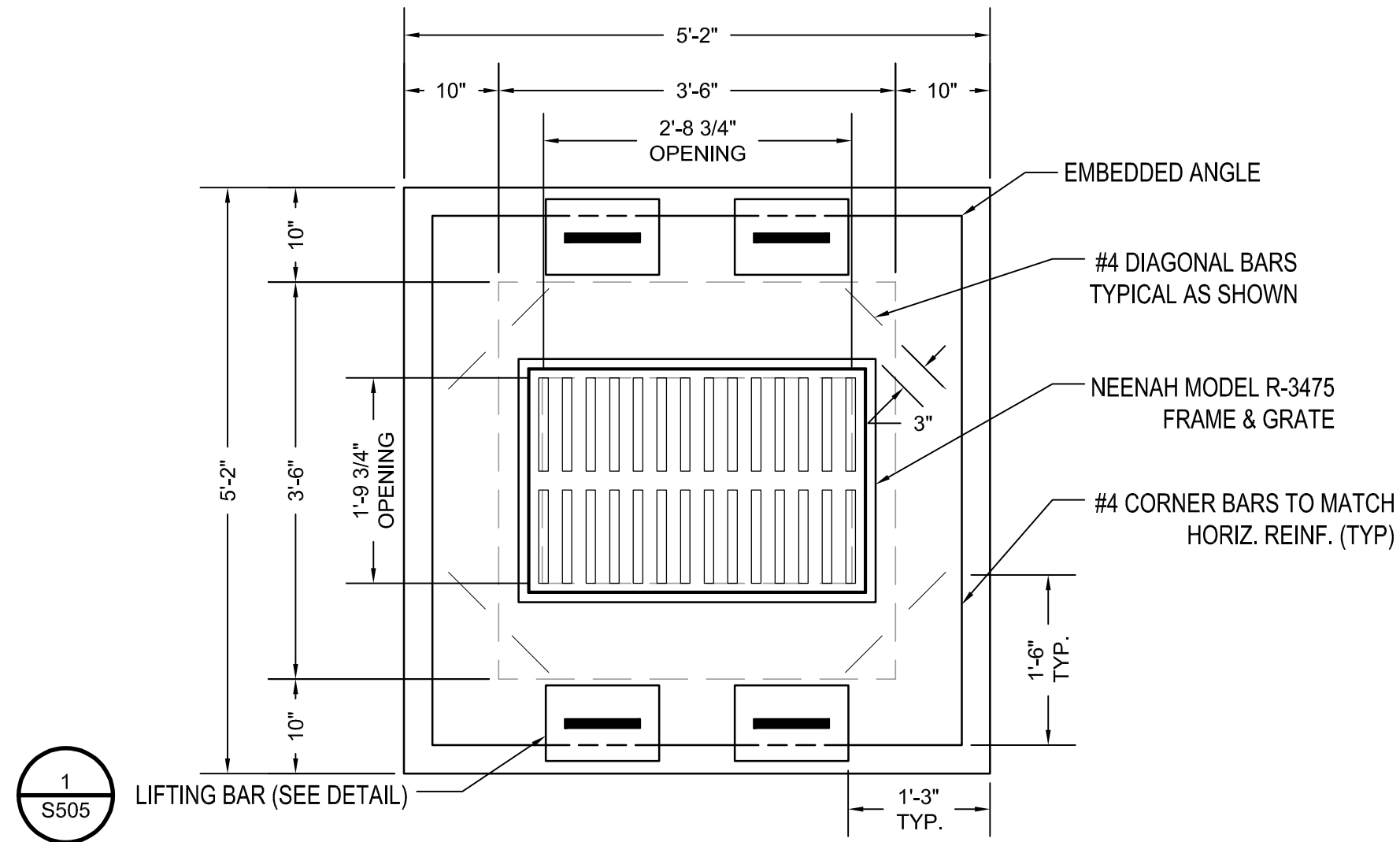
PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
PIPE PENETRATION DETAIL



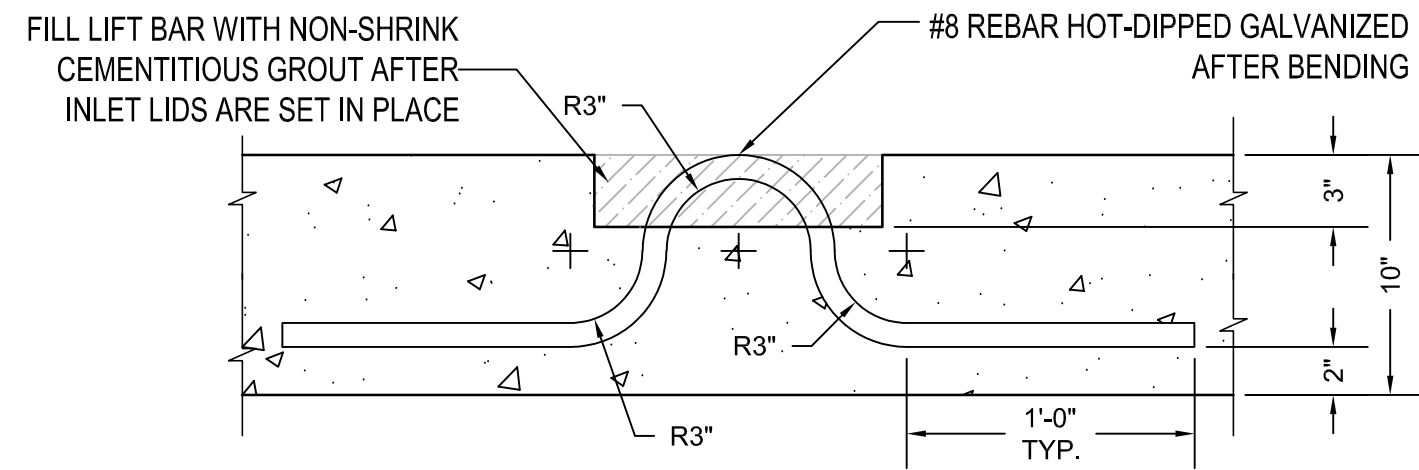
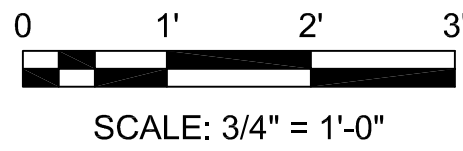
FILENAME S504.DWG
SCALE AS SHOWN

SHEET
S504

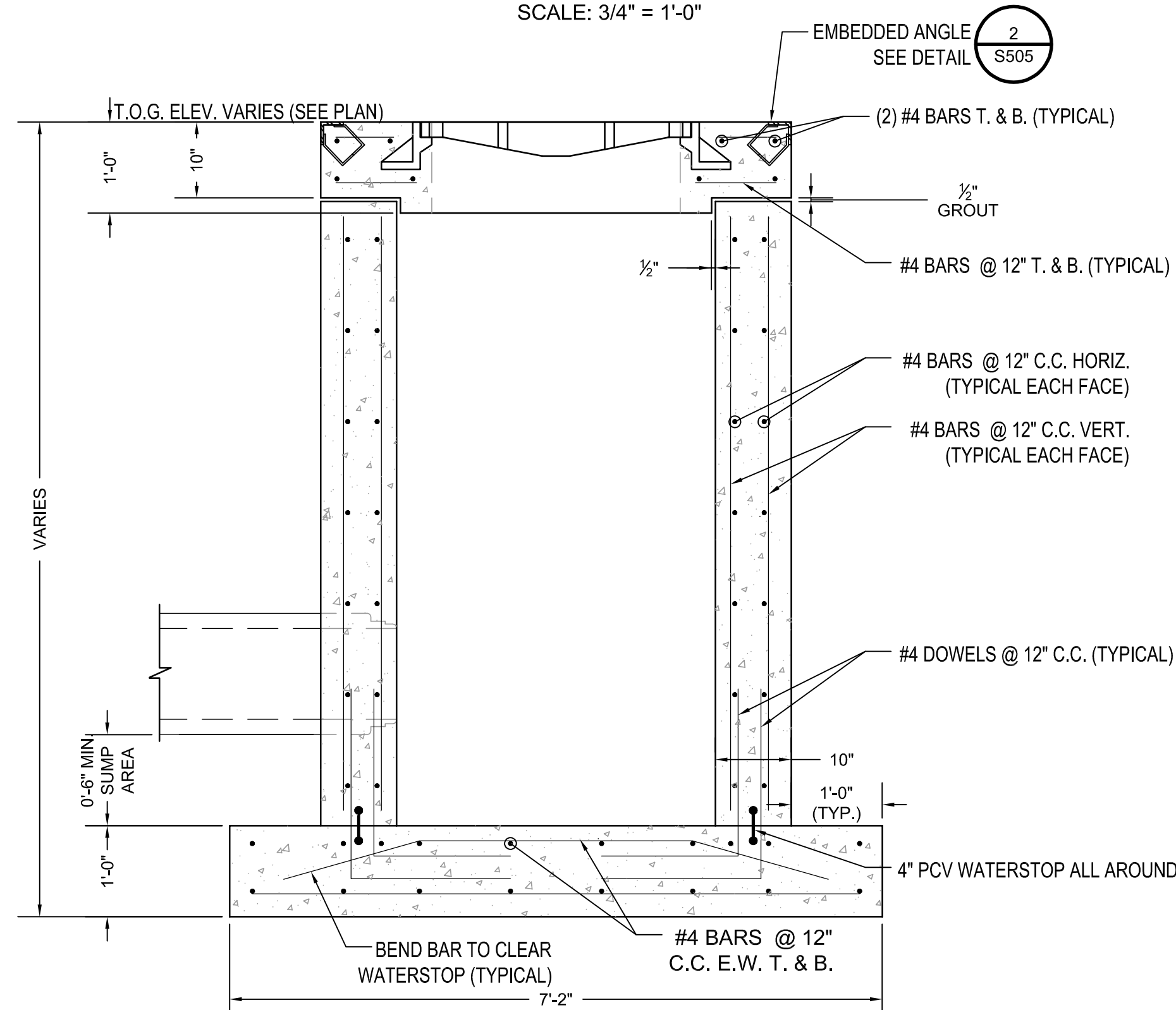
Plot Time: Monday, October 06, 2025 -- 7:18pm Plotted by: PMCINTIRE
File Name: C:\pwworking\east01\44343785\S505.dwg Layout Name: Layout1



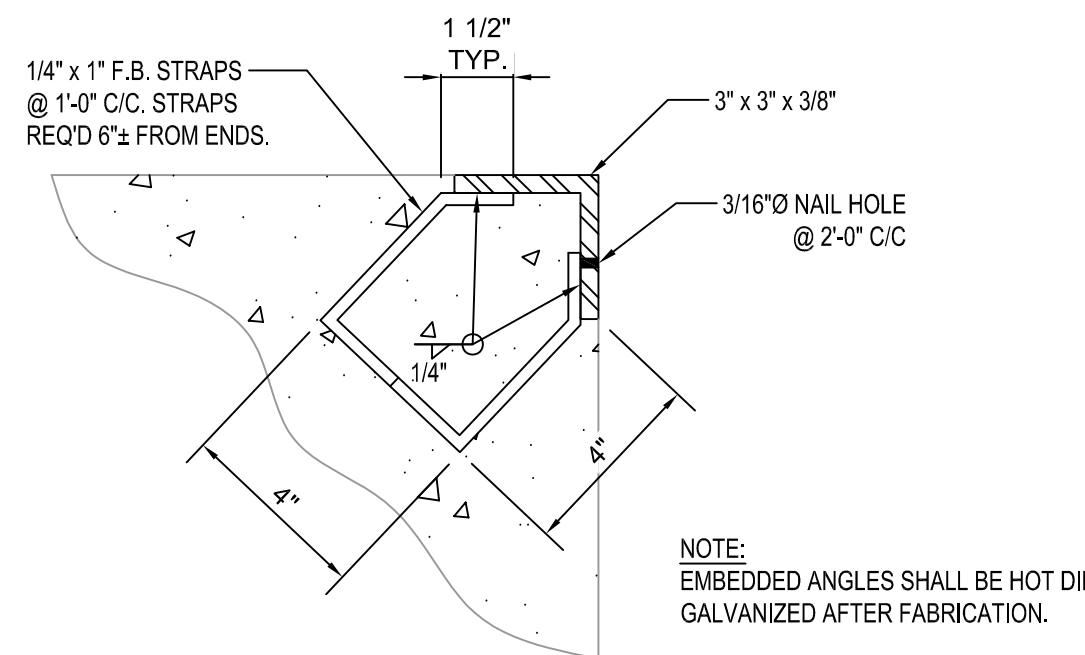
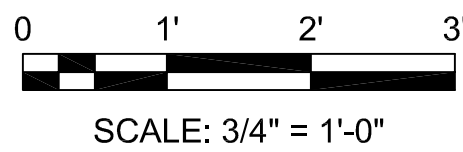
TYPICAL INLET DETAIL PLAN VIEW
3/4" = 1'-0"



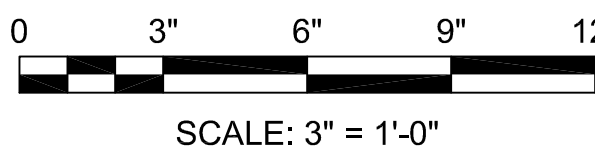
TYPICAL LIFT BAR DETAIL
1-1/2" = 1'-0"



TYPICAL INLET SECTION VIEW
3/4" = 1'-0"



EMBEDDED ANGLE DETAIL
3" = 1'-0"



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A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	HAC
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

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PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
STORMWATER STRUCTURES
SECTIONS & DETAILS



FILENAME	S505.DWG
SCALE	AS SHOWN

SHEET
S505

Plot Time: Monday, October 06, 2025 -- 7:21pm Plotted by: PMONTIRE
File Name: C:\pwworking\ees01\44343785\CP100.dwg Layout Name: Layout1



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Pensacola, FL 32502
Certificate of Authorization No. 4213

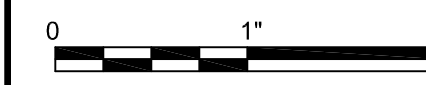
A	OCT. 2025	ISSUED FOR BID
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	HAC
DESIGNED BY	ABS
CHECKED BY	HAC
DRAWN BY	PEM
	-
	-
	-
	-
PROJECT NUMBER	10419078

ISSUED FOR BID
NOT FOR CONSTRUCTION



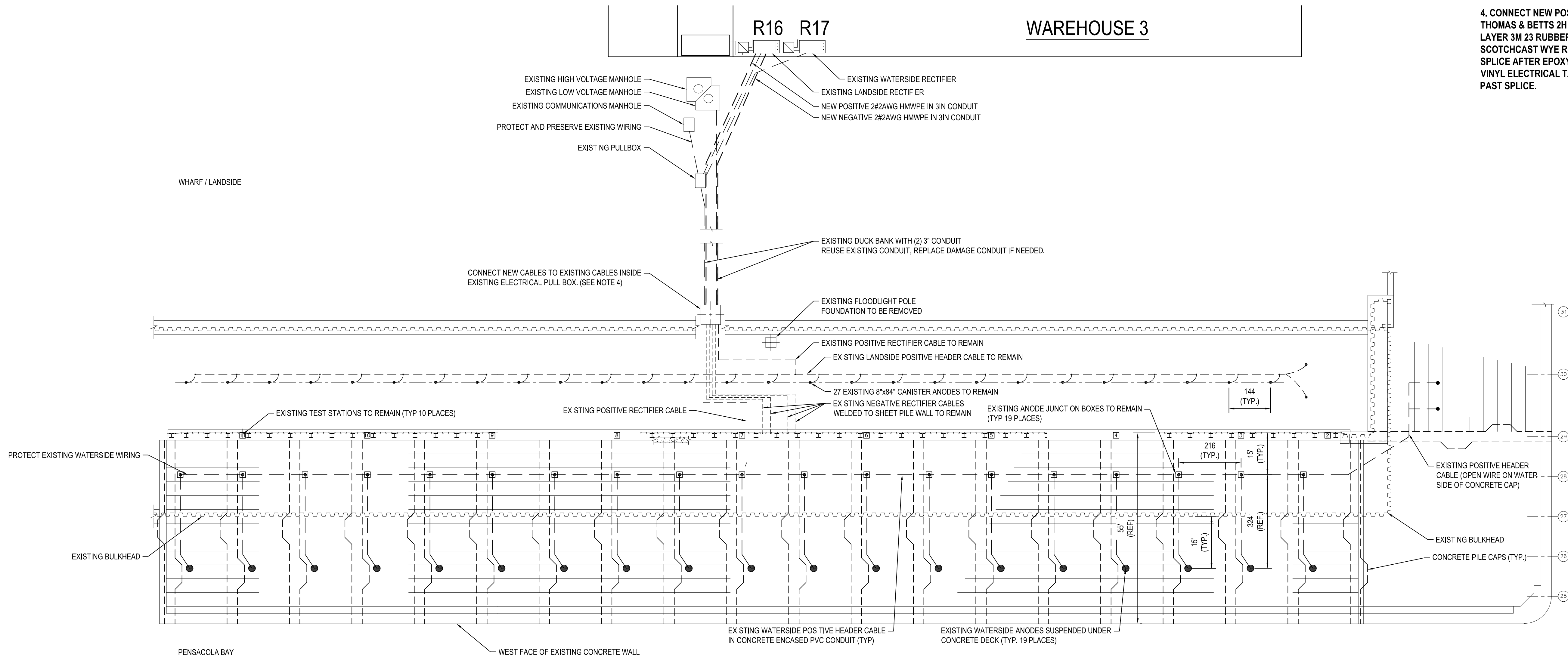
PORT OF PENSACOLA
PAVING & RAIL REHABILITATION PROJECT
CATHODIC PROTECTION
BERTH 2 LANDSIDE SYSTEM REPAIRS



FILENAME	CP100.DWG
SCALE	AS SHOWN

SHEET

CP100

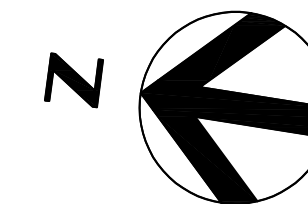


BERTH 2 CATHODIC PROTECTION SYSTEM REPAIR PLAN

SCALE: 1"=200'-0"



SCALE: 1" = 200'



CATHODIC PROTECTION NOTES:

1. ALL DIMENSIONS ARE APPROXIMATE.
2. PROTECT EXISTING WATER SIDE ANODES AND WIRING.
3. EXISTING RECTIFIERS SHALL BE REUSED.
4. CONNECT NEW POSITIVE AND NEGATIVE CABLES WITH THOMAS & BETTS 2H BLACKBURN SPLIT BOOT. WRAP WITH 1 LAYER 3M 23 RUBBER SPLICING TAPE AND CENTER IN 3M SCOTCHCAST WYE RESIN SPLICE KIT 82-BIN. WRAP COMPLETED SPLICE AFTER EPOXY HAS CURED WITH 2 LAYERS 3M TERFLEC VINYL ELECTRICAL TAPE 165 USING 50% OVERWRAP 6 INCHES PAST SPLICE.