

SJPC-25-45 BERTH 4 REPAIRS
AT THE
BALZANO MARINE TERMINAL

CONSTRUCTION DRAWINGS

GENERAL NOTES -- BERTH 4 RECONSTRUCTION

1. CODE
- 1.1 ALL CONSTRUCTION SHALL CONFORM TO THE PROVISIONS OF THE LATEST EDITION OF NEW JERSEY BUILDING CODE, AND LOCAL ATLANTIC CITY AMENDMENTS.
2. DESIGN CRITERIA AND INFORMATION
- 2.1 THE MINIMUM DESIGN LIVE LOADINGS FOR ALL NEW WORK IS AS FOLLOWS:
- 2.1.1 GEOTECHNICAL PARAMETERS
- ALLOWABLE SOIL BRG. PRES. 2500 PSF
- 2.1.2 BERTH LOADINGS
- POINT LOADING - 110 TON TO 150 TON PER HULL TRUCK
3. FOUNDATIONS AND SUB OIL GRADE
- 3.1 ALL SUBGRADE PREPARATION AND FOUNDATION INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST GEOTECHNICAL INVESTIGATION SUPPLIED BY SOUTH JERSEY PORT CORPORATION.
- 3.2 SOUTH JERSEY PORT CORPORATION SHALL PROVIDE SOIL BORING REPORT TO VERIFY THE ALLOWABLE SOIL BEARING PRESSURE.
- 3.3 NEW STRUCTURAL FILL WHERE APPLICABLE SHALL BE PLACED AND COMPACTED TO 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY AFTER BEING PROOF-ROLLED WITH A COMBED 10'-X-4' DUMP TRUCK OR MINIMUM 5-TON VIBRATORY ROLLER.
- 3.4 ALL FOUNDATIONS SHALL EXTEND BELOW FROST DEPTH UNLESS NOTED OTHERWISE.
4. EARTHWORK
- 4.1 CONTRACTOR SHALL PROVIDE SEDIMENT AND EROSION CONTROL, IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE OR LOCAL STANDARDS FOR SOIL EROSION AND CONTROLS. SEE EROSION AND SEDIMENT CONTROL NOTES.
- 4.2 THE CONTRACTOR SHALL REMOVE WASTE MATERIALS AND LEGALLY DISPOSE OF IT OFF THE OWNER'S PROPERTY.
- 4.3 FILL SHALL CONFORM TO ASTM D 2487 SOIL CLASSIFICATION GROUPS OW, GS, OM, SW, SP, AND SH, FREE OF ROCK OR GRAVEL LARGER THAN 2 INCHES IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION AND OTHER DELTERIOUS WASTE.
- 4.4 ALL FILL SHALL BE COMPACTED TO A RELATIVE DENSITY OF AT LEAST 95 PERCENT MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 1557.
- 4.5 CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL EXISTING UTILITIES IN DISTURBED AREAS PRIOR TO BEGINNING ANY WORK.
5. FIRE ACCESS NOTES
- 5.1 FIRE ACCESS LANES SHALL NOT BE BLOCKED OR HINDERED IN ANY WAY DURING CONSTRUCTION.
6. GENERAL CONSTRUCTION NOTES
- 6.1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO THE START OF THE CONSTRUCTION. ANY ERRORS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE EOR IMMEDIATELY.
- 6.2. THE CONTRACTOR SHALL USE EXCAVATED MATERIALS FOR BACKFILL UNLESS OTHERWISE DIRECTED BY A GEOTECHNICAL ENGINEER OR THE EOR.
- 6.3. ALL PAVED AND CONCRETE AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO EXISTING CONDITION AT LEAST EQUAL TO THAT WHICH EXISTED PRIOR TO THE START OF CONSTRUCTION.
- 6.4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PRESERVATION OF THE UNDERGROUND AND SURFACE UTILITIES AND STRUCTURES AT OR ADJACENT TO THE SITE OF CONSTRUCTION AND IT SHALL BE AT HIS/HER OWN EXPENSE TO REPAIR OR REPLACE ANYTHING HE/SHE DAMAGES.
- 6.5. APPROXIMATE DEPTH OF WATER MAINS ARE +/- 4 FT.
- 6.6. APPROXIMATE DEPTH OF GAS MAINS ARE +/- 3 FT.
- 6.7. STORM PIPING, ACCORDING TO EXISTING DRAWINGS AND DOCUMENTATION, IS CORRUGATED METAL. CONTRACTOR SHALL ENSURE THAT CONSTRUCTION ACTIVITIES DO NOT IMPACT THE INTEGRITY OF THE EXISTING STORM DRAINS.
- 6.8. INSPECTION OF THE INLETS ARE REQUIRED PRIOR TO CONSTRUCTION. CONTRACTOR TO WORK WITH SJPC TO INSPECT SAND INLETS.
- 6.9. CONTRACTOR SHALL VERIFY THE PLACEMENT OF EXISTING BALLAST BELOW EXISTING PAILS. BALLAST SHALL BE RE-USED AS SHOWN ON THE DRAWINGS UNLESS NOTED OTHERWISE.
- 6.10. CONTRACTOR TO ADHERE TO ALL SHIP SCHEDULES WHEN SCHEDULING CONSTRUCTION. APPROVAL MUST BE GIVEN BY SJPC PRIOR TO WORK

EROSION AND SEDIMENT CONTROL NOTES:

1. THE SOIL SHALL BE DEEMED SATISFACTORY BY THE GEOTECHNICAL ENGINEER OF RECORD PRIOR TO CONSTRUCTION. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATION AND/OR INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES.
2. TO ANY GRADING OPERATION AND/OR INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES.
3. EROSION AND SEDIMENT CONTROL PRACTICES ON THIS PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY, JANUARY 2016.
4. APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND/OR THE AREA IS STABILIZED.
5. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL ALL MEASURES REQUIRED TO REASONABLY CONTROL SOIL EROSION RESULTING FROM CONSTRUCTION OPERATIONS AND PREVENT EXCESSIVE FLOW OF SEDIMENT FROM THE CONSTRUCTION SITE.
6. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL ALL TIMES BE GRATED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIRECTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
7. ALL SEDIMENTATION STRUCTURES, INCLUDING INLETS WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS AND AFTER EVERY STORM EVENT.
8. CONTRACTOR SHALL USE A WADEN INLET FILTER SUCH AS INLET PROTECTION DURING CONSTRUCTION.
9. ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS TO THE OPERATIONAL DRAINAGE SYSTEM.
10. ALL PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROLS PLAN HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES. ALL SITE WORK FOR THE PROJECT MUST BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE AS A CONDITION FOR THE PROJECT TO BE OPENED TO THE PUBLIC OR OCCUPANCY BY THE MUNICIPALITY. PAVED AREAS MUST BE KEPT CLEAN AT ALL TIMES.
11. ALL DRAINAGE OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA. THE SEDIMENT FILTER SHOULD BE COMPOSED OF A SUITABLE SEDIMENT FILTER FABRIC.
12. SEDIMENT MUST BE DEMONSTRATED TO NORMAL FLOOD/OUTLET WITHIN 10 DAYS OF THE EROSION AND SEDIMENT CONTROL MEASURES TO BE
13. OFFSITE SEDIMENT DISTURBANCE MAY REQUIRE ADDITIONAL CONTROL MEASURES TO BE DETERMINED BY THE EROSION CONTROL INSPECTOR.
14. A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE SUBMITTED TO THE DISTRICT PRIOR TO THE START OF CONSTRUCTION.
15. THE LOCAL SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY LAND DISTURBANCE.
16. ANY CONFORMANCE OF THIS PROJECT PRIOR TO ITS COMPLETION WILL TRANSFER FULL RESPONSIBILITY TO THE CONTRACTOR.
17. IMMEDIATELY AFTER THE COMPLETION OF STOPPING AND STOCKPILING OF TOPSOIL, THE STOCKPILES MUST BE STABILIZED. ALL SOIL STOCKPILES ARE NOT TO BE LOCATED WITHIN FIFTY (50) FEET OF A FLOOD-PLAIN, SLOPE, ROADWAY OR DRAINAGE FACILITY AND THE BASE MUST BE PROTECTED WITH A SEDIMENT BARRIER.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUBMISSION OF A REINFORCED SOIL EROSION AND SEDIMENT CONTROL PLAN TO THE CAMDEN COUNTY SOIL CONSERVATION DISTRICT. THE REVISED PLAN MUST BE IN ACCORDANCE WITH THE CURRENT NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL.
19. CONFORMANCE WITH THE STANDARDS. HIGH ACID PRODUCING SOILS ARE THOSE FOUND TO CONTAIN IRON SULFIDES OR HAVE A pH OF 4 OR LESS.
20. MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT BE CONSTRUCTED STEEPER THAN 1:1.
21. DUST IS TO BE CONTROLLED BY AN APPROVED METHOD ACCORDING TO THE NJ STANDARDS FOR SOIL & SEDIMENT CONTROL AND MAY INCLUDE WATERING WITH A SOLUTION OF CALCIUM CHLORIDE AND WATER.
22. ALL EXPOSED SURFACES SHALL BE PROTECTED FROM EXCAVATION AND FILLING OPERATIONS ON THE PROPOSED SITE.
23. USE STAGED CONSTRUCTION METHODS TO MINIMIZE EXPOSED SURFACES, WHERE APPLICABLE.
24. THE SOIL EROSION INSPECTOR MAY REQUIRE ADDITIONAL SOIL EROSION MEASURES TO BE IN PLACE AND MAINTAINED PRIOR TO THE END OF CONSTRUCTION.
25. THE APPROXIMATE DISTURBANCE AREA IS APPROX. 41,000 SQ.FT.
26. APPROXIMATE SILT FENCE LENGTH: 1450 FT. (SILT FENCE DENOTES LIMIT OF DISTURBANCE.)

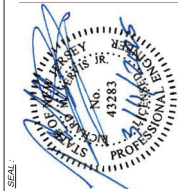
DEMOLITION AND REMOVAL NOTES:

1. CONTRACTOR SHALL LOCATE AND VERIFY ALL UNDERGROUND UTILITIES, PIPING, CONDUIT AND ETC. PRIOR TO ANY DEMOLITION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE PROMPTLY AND IN A LEGAL MANNER.
3. SOUTH JERSEY PORT CORPORATION SHALL DICTATE METHOD OF DISPOSAL OF MATERIAL TO BE DEMOLISHED.
4. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING CONSTRUCTION THAT SHALL REMAIN.
5. CONTRACTOR SHALL NOT INTERRUPT ANY EXISTING UTILITY SERVICE UNLESS APPROVED BY THE SOUTH JERSEY PORT CORPORATION.
6. DEMOLITION OF THE EXISTING CONCRETE DAMAGED CONCRETE DIAPHRAGM BELOW THE BERTH AS WELL AS THE CELL STRUCTURE OR PILES DURING DEMOLITION IS TO OCCUR IN PHASES PER GENERAL PHASING SHEETS AND SHALL MINIMIZE DOWN TIME FOR BERTH 4 OPERATIONS.

SEQUENCE OF CONSTRUCTION:

- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL BE COMPLETED AND IMMEDIATELY STABILIZED BEFORE ANY FOLLOWING STAGE IS INITIATED.
- INSTALL EROSION AND SEDIMENT CONTROLS PER THE NJ EROSION AND SEDIMENT CONTROL STANDARDS.
- EROSION AND SEDIMENT CONTROL ACTIVITIES SHALL BE LEFT IN PLACE UNTIL THE OWNER AND/OR OPERATOR SHALL INVITE ALL APPROPRIATE MUNICIPAL OFFICIALS, THE EROSION AND SEDIMENT CONTROL PLAN PREPARE, AND A REPRESENTATIVE OF THE CAMDEN COUNTY SOIL CONSERVATION DISTRICT TO THE PROJECT SITE.
- AT LEAST 3 DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES SHALL NOTIFY THE NEW JERSEY ONE CALL SYSTEM INCORPORATED AT 1-800-272-1000 FOR UNDERGROUND UTILITY LOCATIONS.
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.
- PIPING AND SEDIMENT LATER WATER SHALL BE THROUGH A SEDIMENT CONTROL AND BARRIER. ALL SEDIMENT SHALL BE REMOVED FROM THE CONJUGATE SEDIMENT REMOVAL FACILITY, OVER UNDISTURBED VEGETATED AREAS.
1. ESTABLISH THE CONSTRUCTION ENTRANCE
2. AND ANY FLOODWAYS SHOWN ON THE PLAN DRAWING.
3. INSTALL ALL SILT FENCE.
4. CONSTRUCT AND IMMEDIATELY STABILIZE THE SEDIMENT BASIN OR CONTROL BMP.
5. BEGIN CONSTRUCTION OF PROPOSED BERTH 4 ACCORDING TO PHASING PLANS. ANY UTILITIES REQUIRED SHALL BE INSTALLED.
6. CONSTRUCT AND IMMEDIATELY STABILIZE THE SEDIMENT BASIN OR CONTROL BMP.
7. ALL INLETS NOT IN SUMMED CONDITION. DO NOT INSTALL INLET SOCKS IN INLETS DRAINING TO THE SEDIMENT BASIN.
8. INSTALL AND MAINTAIN SILT FENCE.
9. IMMEDIATELY STABILIZE ALL AREAS DISTURBED BY INSTALLATION.
10. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATORS SHALL REQUEST THE CAMDEN COUNTY SOIL CONSERVATION DISTRICT FOR A FINAL INSPECTION PRIOR TO THE REMOVAL OF THE BMP'S.
11. UPON CONSERVATION DISTRICT APPROVAL REMOVE ANY TEMPORARY BMP'S AND IMMEDIATELY STABILIZE THE AFFECTED AREA.
- 11.1. REMOVE ALL EXISTING SILT FENCE AND PROPERLY DISPOSE OF.
- 11.2. FLUSH ANY SEDIMENT FROM STORM SEWER PIPES.
12. CONTACT THE CAMDEN COUNTY CONSERVATION DISTRICT TO CONDUCT A FINAL INSPECTION TO CLOSE OUT SITE.

SJPC



NAME: RICHARD M. JERVIS, P.E.
NEW JERSEY PROFESSIONAL ENGINEER

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NO.	DATE	REVISION DESCRIPTION
0	08/19/2020	RELEASED FOR BID

PROJECT:
BERTH 4 REPAIR
BALZANO MARINE TERMINAL
101 JOSEPH A. BALZANO BLVD.
CAMDEN NJ
CAMDEN COUNTY

DATE	10/05/2017	LOG	144-1
SCALE	AS SHOWN	TABLE	
DRAWN BY	11/19/2016	PROJECT NO.	144-1
DESIGNED BY		CLIENT NO.	144-1
DRAWING TITLE			

GENERAL NOTES
DRAWING NO.: SJPC-G-001



Professional Engineer Seal for Nicholas J. Davis, Jr., No. 43283, State of New Jersey. The seal is circular with the text "NEW JERSEY" at the top, "NICHOLAS J. DAVIS, JR." around the perimeter, and "PROFESSIONAL ENGINEER" at the bottom. The number "43283" is in the center. A blue ink signature is written across the seal.

RICHARD M. JERVIS JR., P.E.,
NEW JERSEY PROFESSIONAL ENGINEER

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NO.	DATE:	REVISION DESCRIPTION
0	03/12/2025	ISSUED FOR BID

PROJECT:

BERTH 4 REPAIR
BALZANO MARINE TERMINAL
101 JOSEPH A. BALZANO BLVD.
CAMDEN, NJ
CAMDEN COUNTY

MAP	1095-3.07	LOT	141-1
SCALE	AS SHOWN	TASK	
PRINT DATE	11/27/2024	PROJECT NO.	SJPC-6644
ORGAN BY	CY	REVIEWED BY	APB

DRAWING TITLE:

DRAWING NO.: SJPC-G-002

SHEET NO.: 3 OF 23



SCALE: 1:300



- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENTIAL STAGES. EACH STAGE SHALL BE COMPLETED AND IMMEDIATELY VERIFIED BY THE EROSION AND SEDIMENT CONTROL SPECIALIST BEFORE PROCEEDING TO THOSE AREAS DESCRIBED IN EACH STAGE.
- INSTALL EROSION AND SEDIMENT CONTROLS PER THE CONSTRUCTION DETAILS AND LOCATIONS PROVIDED ON THE PLANS.
- ALL PUMPING OF SEDIMENT LOADED WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS A PUMPED WATER FILTER BAG OR EQUIVALENT SEDIMENT REMOVAL FACILITY, OVER UNDISTURBED VEGETATED AREAS.

SEQUENCE OF DISMANTLING AND REMOVAL

- [illegible]

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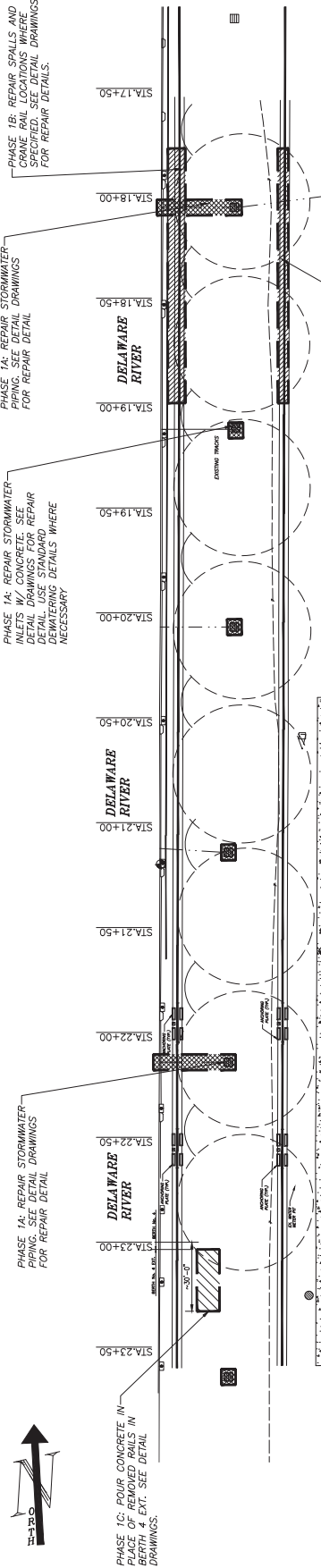
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101 JOSEPH A. BALZANO BLVD.
CAMDEN NJ
CAMDEN COUNTY

DATE	10/05/2017	LOC.	144-1
SCALE	AS SHOWN	DATE	10/05/2017
DRAWN BY	11/10/2018	DESIGNED BY	11/10/2018
CHECKED BY	11/10/2018	APPROVED BY	11/10/2018

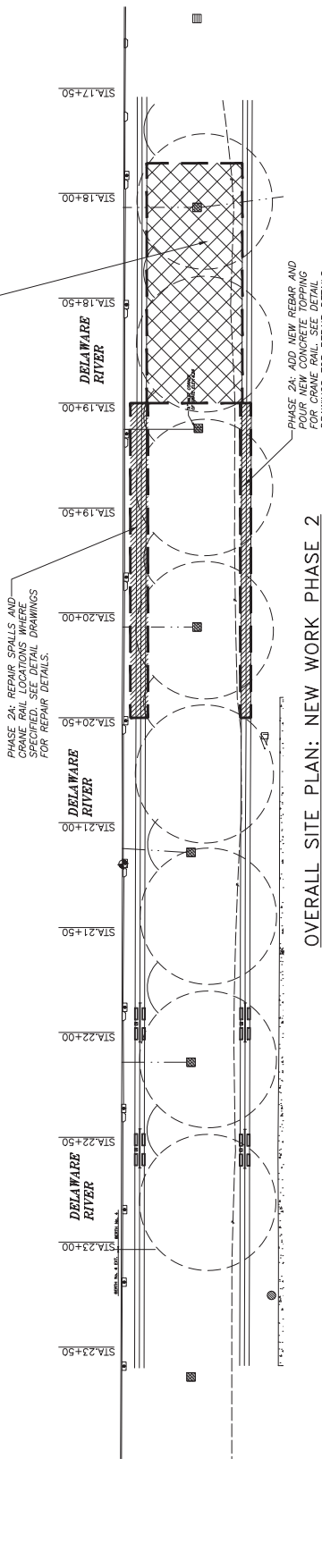
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PHASED PLANS-PROPOSED

DRAWING NO.:
SJPC-G-004

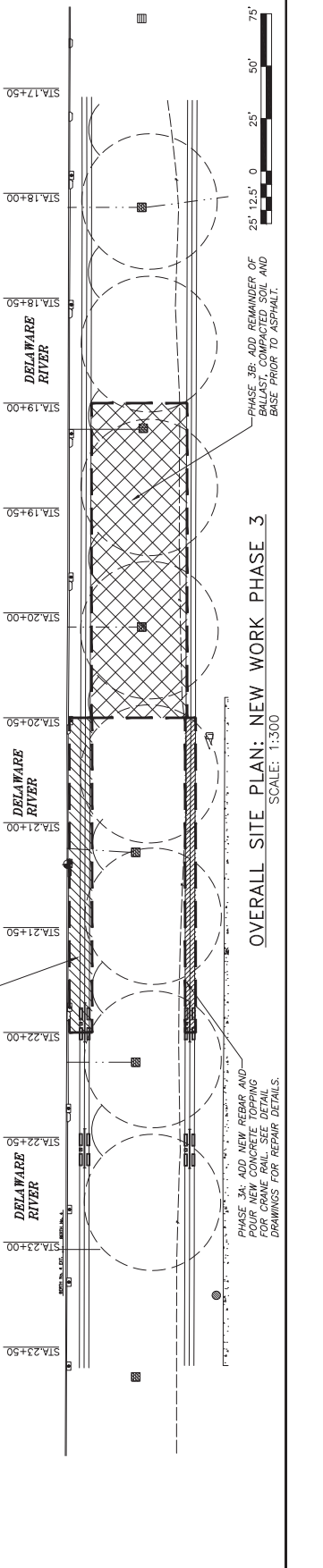
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4 OF 23



OVERALL SITE PLAN: NEW WORK PHASE 1
SCALE: 1:300



OVERALL SITE PLAN: NEW WORK PHASE 2
SCALE: 1:300



OVERALL SITE PLAN: NEW WORK PHASE 3
SCALE: 1:300



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BALZANO MARINE TERMINAL
101 JOSEPH A. BALZANO BLVD.
CAMDEN, NJ
CAMDEN COUNTY

DATE	10/05/2017	LOG	144-1
SCALE	AS SHOWN	DATE	10/05/2017
DRAWN BY	R. JERVIS	CHECKED BY	R. JERVIS
DESIGNED BY	R. JERVIS	APPROVED BY	R. JERVIS

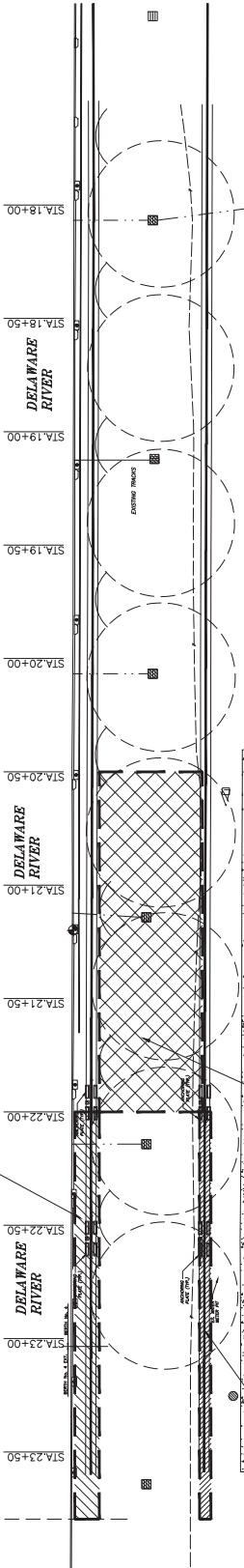
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PHASED PLANS - PROPOSED

DRAWING NO.:
SJPC-G-005

SHEET NO.:
5 OF 23



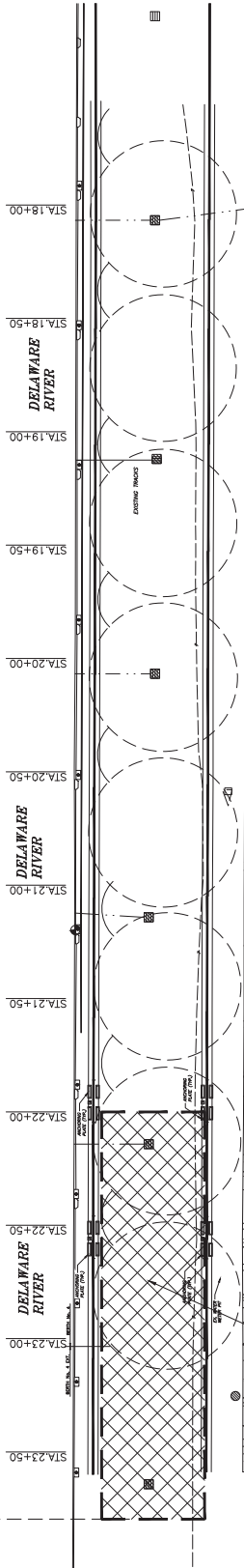
LIMIT OF REPLACEMENT:
STA. 23+60



OVERALL SITE PLAN: NEW WORK PHASE 4
SCALE: 1:300

PHASE 4A: ADD NEW REPAIR AND POUR NEW CONCRETE TOPPING FOR CRANE RAIL. SEE DETAIL DRAWINGS FOR REPAIR DETAILS.

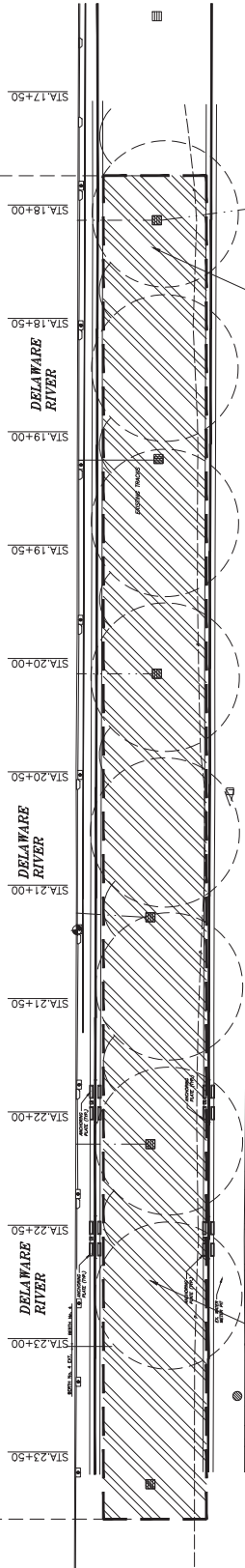
LIMIT OF REPLACEMENT:
STA. 23+60



OVERALL SITE PLAN: NEW WORK PHASE 5
SCALE: 1:300

PHASE 5A: ADD REMAINDER OF BALLAST, COMPACTED SOIL AND BASE PRIOR TO ASPHALT.

LIMIT OF REPLACEMENT:
STA. 23+60



OVERALL SITE PLAN: NEW WORK PHASE 6
SCALE: 1:300

PHASE 6: FOUR ASPHALT PER DETAIL DRAWINGS AND SPECIFICATIONS FOR ENTIRE WORK AREA.





SEAL
No. 43283
Professional Engineer
Civil
State of New Jersey
Richard M. Davis, Jr., P.E.
NEW JERSEY PROFESSIONAL ENGINEER

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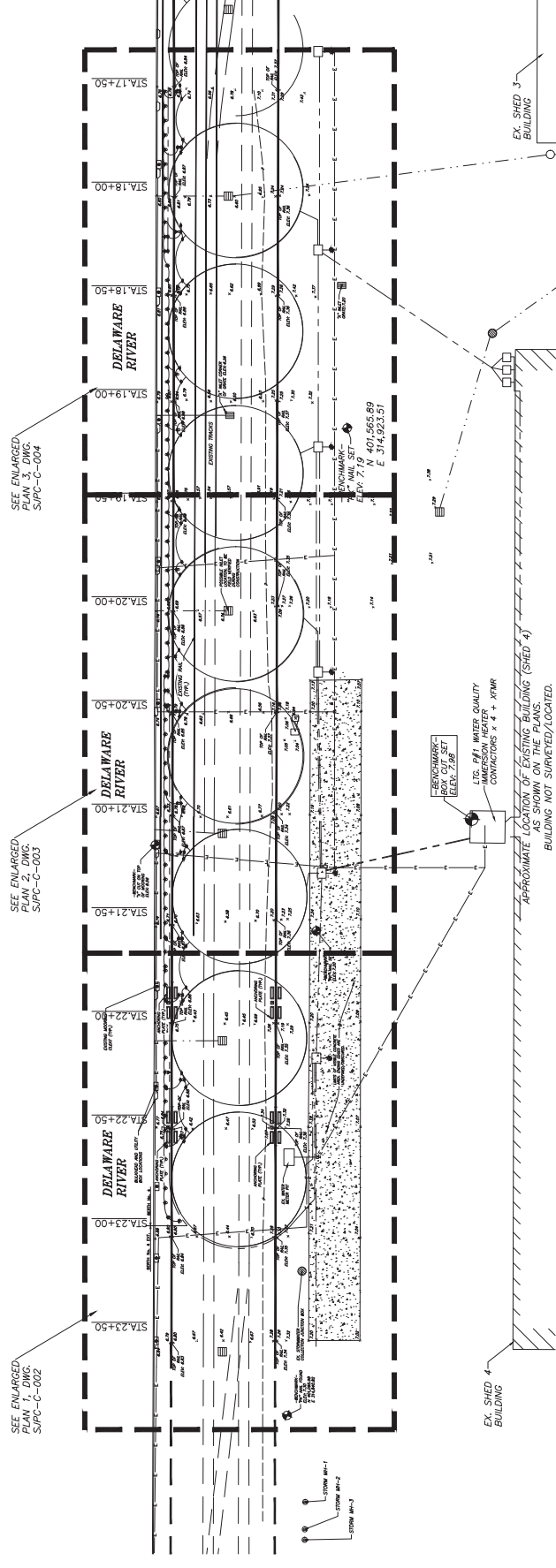
PROJECT:
BERTH 4 REPAIR
BALZANO MARINE TERMINAL
101 JOSEPH A. BALZANO BLVD.
CAMDEN, NJ
CAMDEN COUNTY

DATE	10/05/2017	LOC.	144-1
SCALE	AS SHOWN	DATE	1/25/20
DRAWN BY	11/10/2018	PROJECT NO.	BJPC-004
CHECKED BY		DESIGNED BY	11/10/2018
DRAWING TITLE			

OVERALL SITE EXISTING CONDITIONS

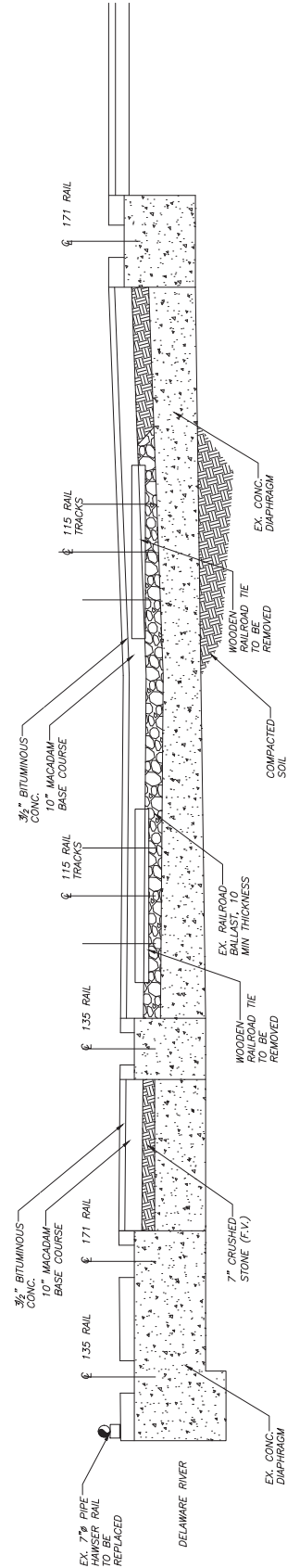
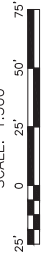
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SJPC-C-001

SHEET NO.:
6 OF 23



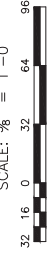
OVERALL SITE PLAN: EXISTING CONDITIONS

SCALE: 1:300



OVERALL BERTH 4 SECTION: EXISTING CONDITIONS

SCALE: 3/8" = 1'-0"



- NOTES:**
- CONTRACTOR SHALL REVIEW ALL SPECIFICATIONS AND SCOPE OF WORK PRIOR TO BIDDING.
 - PHASING FOR ALL DUE AND PROPOSED WORK CAN BE FOUND ON DWGS. SJPC-C-002, G-004 AND G-005.

SJPC



DATE: 08/15/2020
DRAWN BY: R. JERVIS
CHECKED BY: R. JERVIS
IN CHARGE: R. JERVIS

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4. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION WITHOUT THE ORIGINAL SEAL OF THE PROFESSIONAL ENGINEER.



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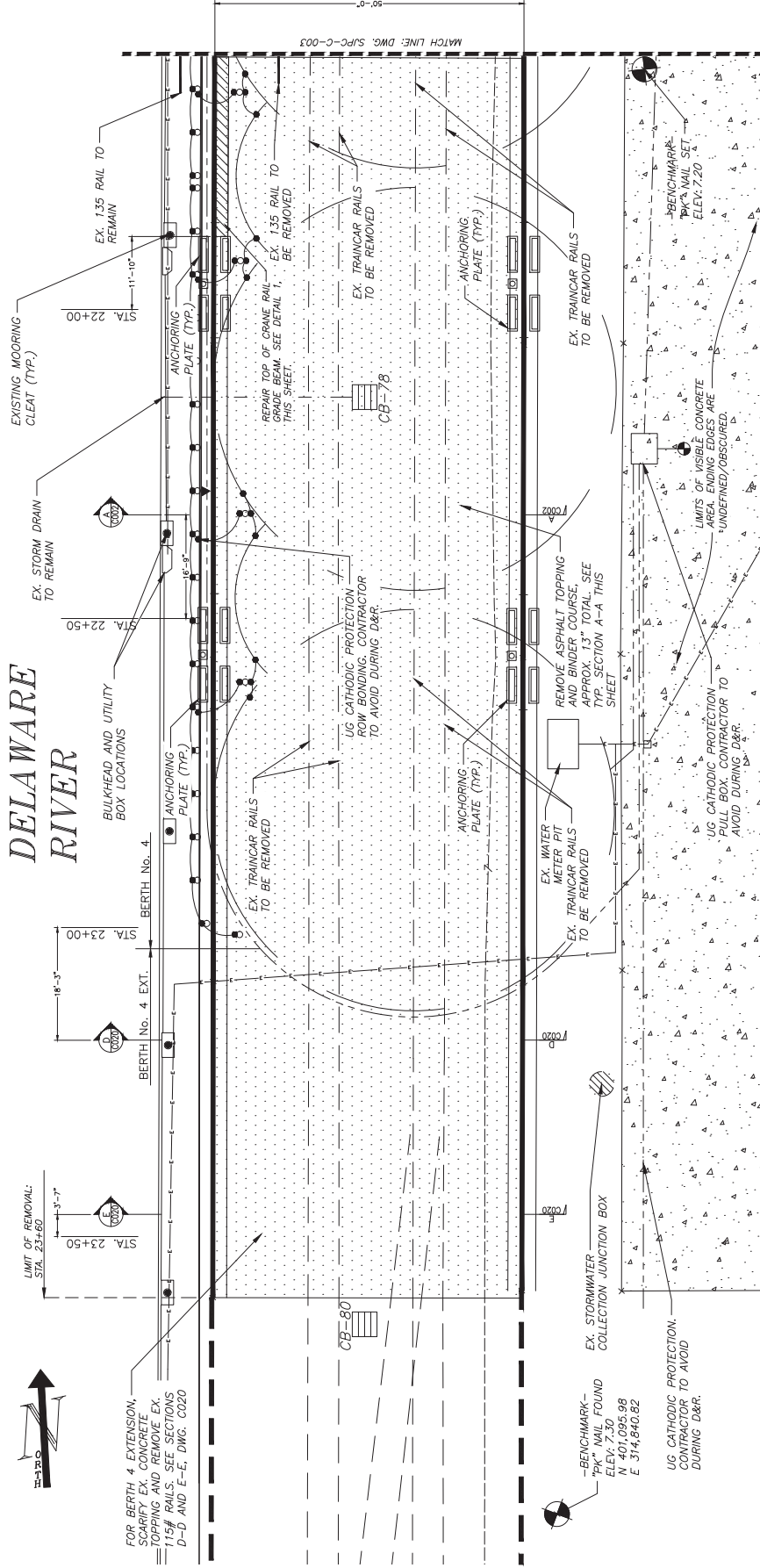
NO.	DATE	REVISION DESCRIPTION
1	08/15/2020	ISSUED FOR BID

PROJECT:
BERTH 4 REPAIR
BALZANO MARINE TERMINAL
101 JOSEPH A. BALZANO BLVD.
CAMDEN NJ
CAMDEN COUNTY

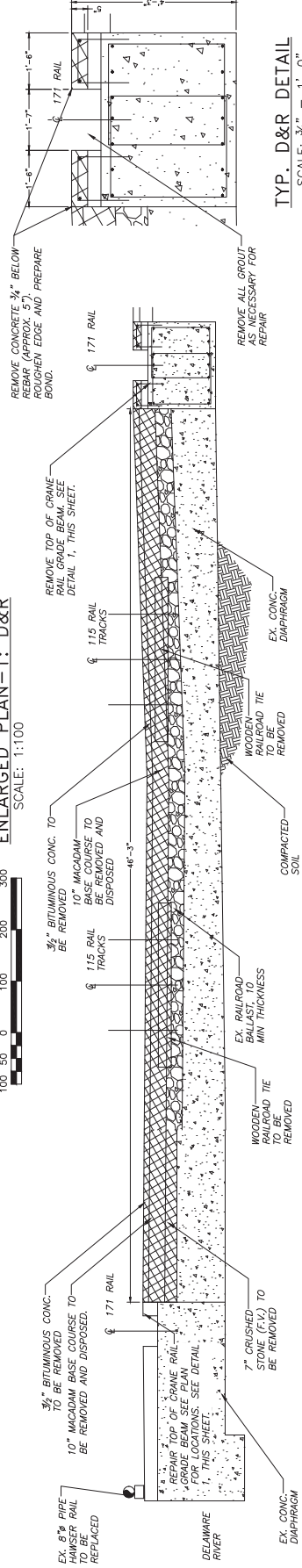
DATE	10/05/2017	LOC.	140-1
SCALE	AS SHOWN	DATE	10/05/2017
DESIGNED BY	11/10/2018	PROJECT NO.	11-000000
DESIGNED BY	11/10/2018	PROJECT NO.	11-000000

DRAWING TITLE:
ENLARGED PLAN 1: D&R
DRAWING NO.: SJPC-C-002
SHEET NO.: 7 OF 23

DELAWARE RIVER



ENLARGED PLAN-1: D&R
SCALE: 1:100



TYP. D&R DETAIL
SCALE: 3/8\"/>

OVERALL BERTH 4 SECTION A-A: D&R
SCALE: 3/8\"/>

SJPC



SEAL



DATE: 08/15/2020
DRAWN BY: R. JERVIS
CHECKED BY: R. JERVIS

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NO.	DATE	REVISION DESCRIPTION
1	08/15/2020	ISSUED FOR BID

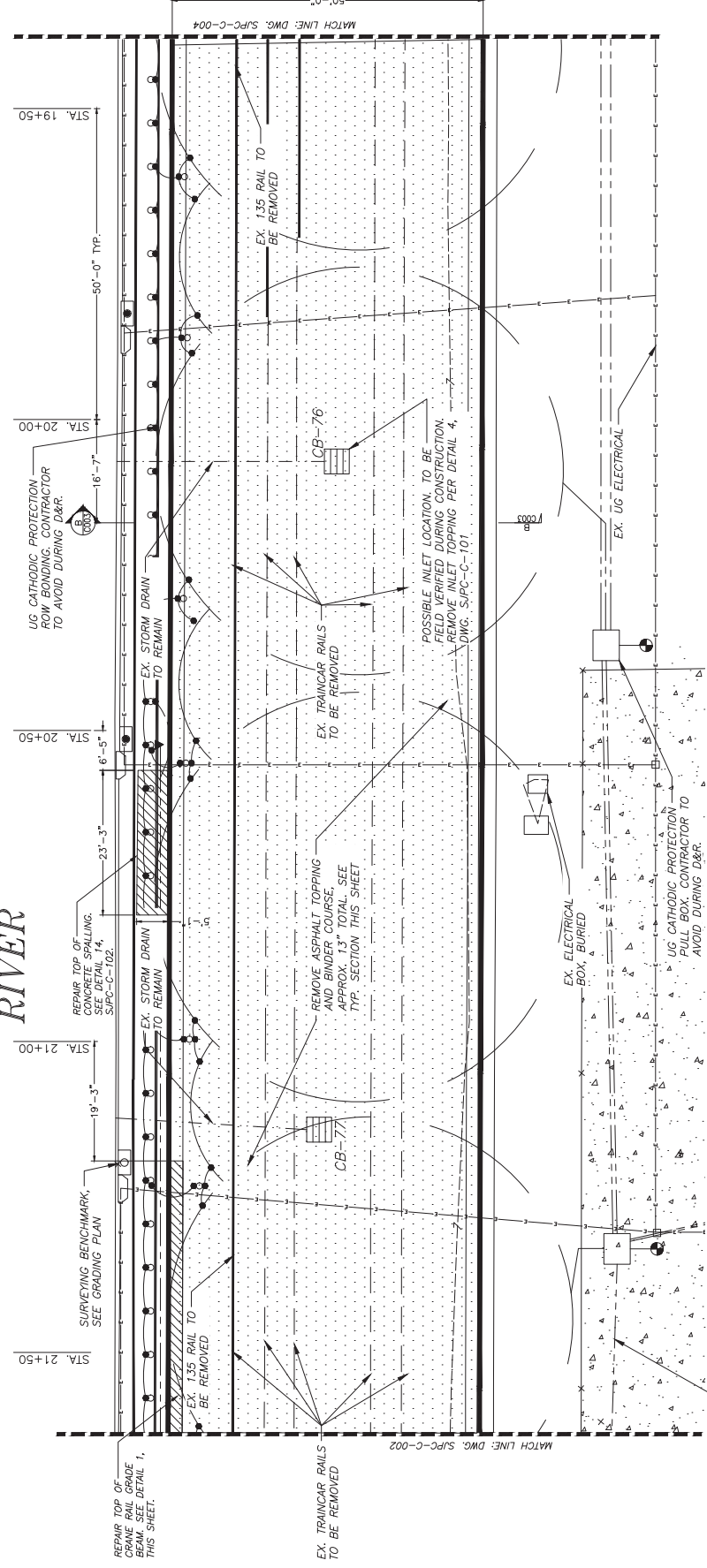
PROJECT:
BERTH 4 REPAIR
BALZANO MARINE TERMINAL
101 JOSEPH A. BALZANO BLVD.
CAMDEN NJ
CAMDEN COUNTY

DATE	10/05/2017	LOC.	140-1
SCALE	AS SHOWN	DATE	10/05/2017
DRAWN BY	R. JERVIS	CHECKED BY	R. JERVIS
DESIGNED BY	R. JERVIS	APPROVED BY	R. JERVIS

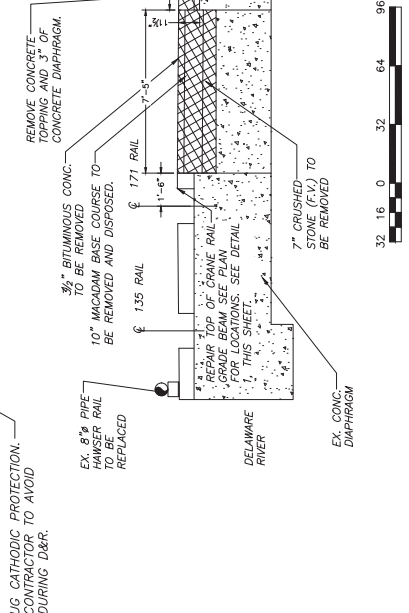
DRAWING TITLE:
ENLARGED PLAN 2: D&R
DRAWING NO.:
SJPC-C-003

SHEET NO.:
8 OF 23

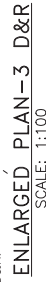
DELAWARE RIVER



ENLARGED PLAN-2: D&R
SCALE: 1:100



OVERALL BERTH 4 SECTION B-B: D&R
SCALE: 1/8\"/>



OVERALL BERTH 4 SECTION C-C: D&R



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NO.	DATE:	REVISION DESCRIPTION
0	03/12/2025	ISSUED FOR BID

PROJECT: BERTH 4 REPAIR
BALZANO MARINE TERMINAL
101 JOSEPH A. BALZANO BLVD
CAMDEN, NJ
CAMDEN COUNTY

<u>M4E</u>	1095 - 307	<u>LOT</u>	141-1
<u>SCALE</u>	AS SHOWN	<u>TASK</u>	
<u>PLOT DATE</u>	11/27/2024	<u>PROJECT NO</u>	SJPC-6644
<u>DRAWN BY</u>	CY	<u>REVIEWED BY</u>	APB

DRAWING TITLE:

DRAWING NO.: **SJPC-C-004**

SHEET NO.:

SJPC



DATE: 08/15/2020
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NO.	DATE	REVISION DESCRIPTION
1	08/15/2020	ISSUED FOR BID

PROJECT:
BERTH 4 REPAIR
BALZANO MARINE TERMINAL
101 JOSEPH A. BALZANO BLVD.
CAMDEN NJ
CAMDEN COUNTY

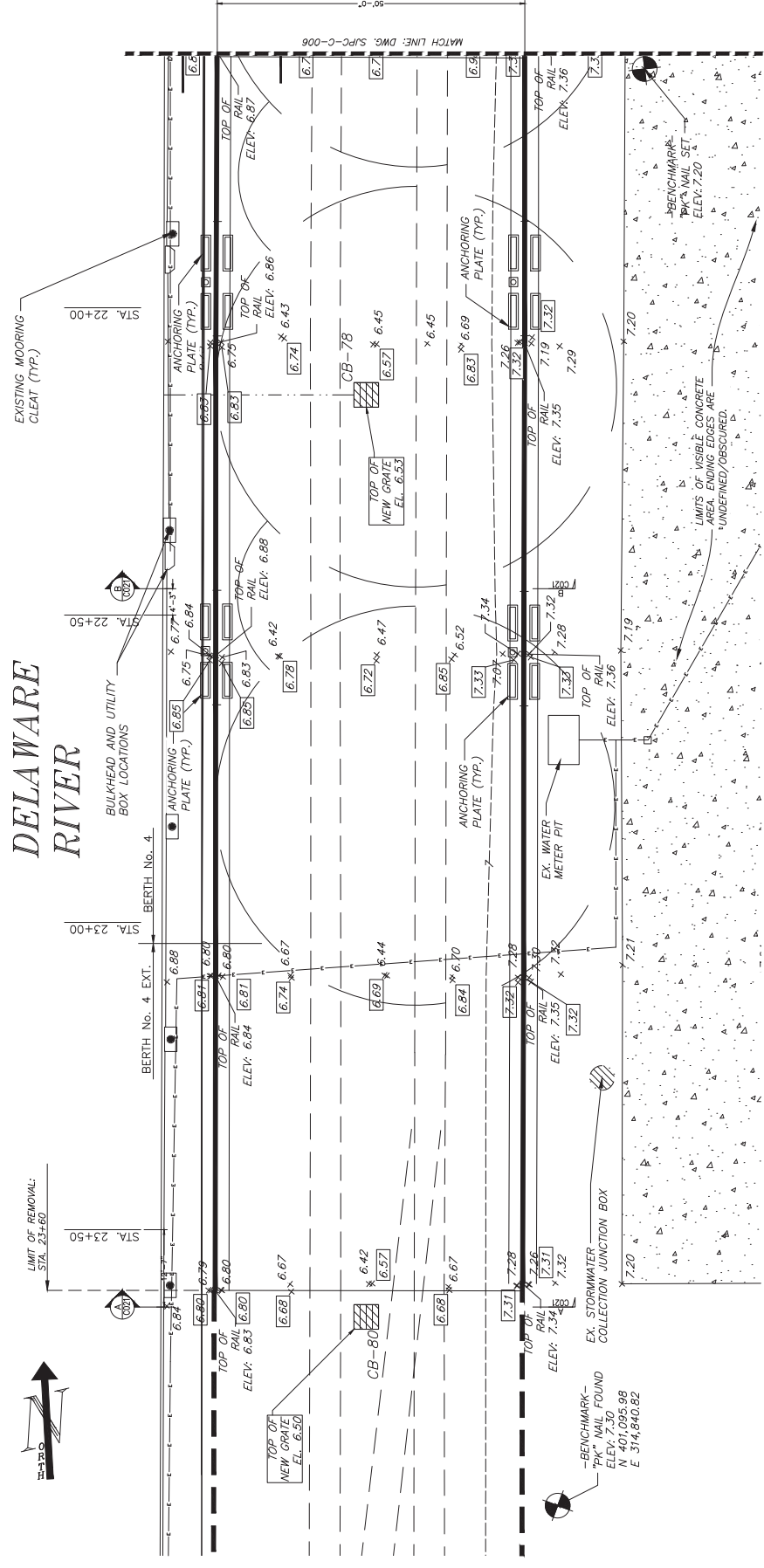
DATE	10/05/2017	SCALE	1"=100'
SCALE	AS SHOWN	PROJECT NO.	SJPC-0404
DATE	11/17/2018	DESIGNED BY	REDACTED
DATE	07/15/2019	DRAWN BY	REDACTED

DRAWING TITLE:
ENLARGED GRADING PLAN 1

DRAWING NO.:
SPC-C-005

SHEET NO.:
10 OF 23

DELAWARE RIVER



ENLARGED GRADING PLAN-1
SCALE: 1:100



- LEGEND
- 6.72' x PROPOSED SPOT ELEVATION
 - 6.97' x EXISTING SPOT ELEVATION
 - EX. CONTOUR MINOR
 - EX. UNDERGROUND ELECTRICAL
 - EX. UNDERGROUND STORM LINE

SJPC



SEAL
Professional Engineer
No. 43283
Professional Engineer
Civil
State of New Jersey

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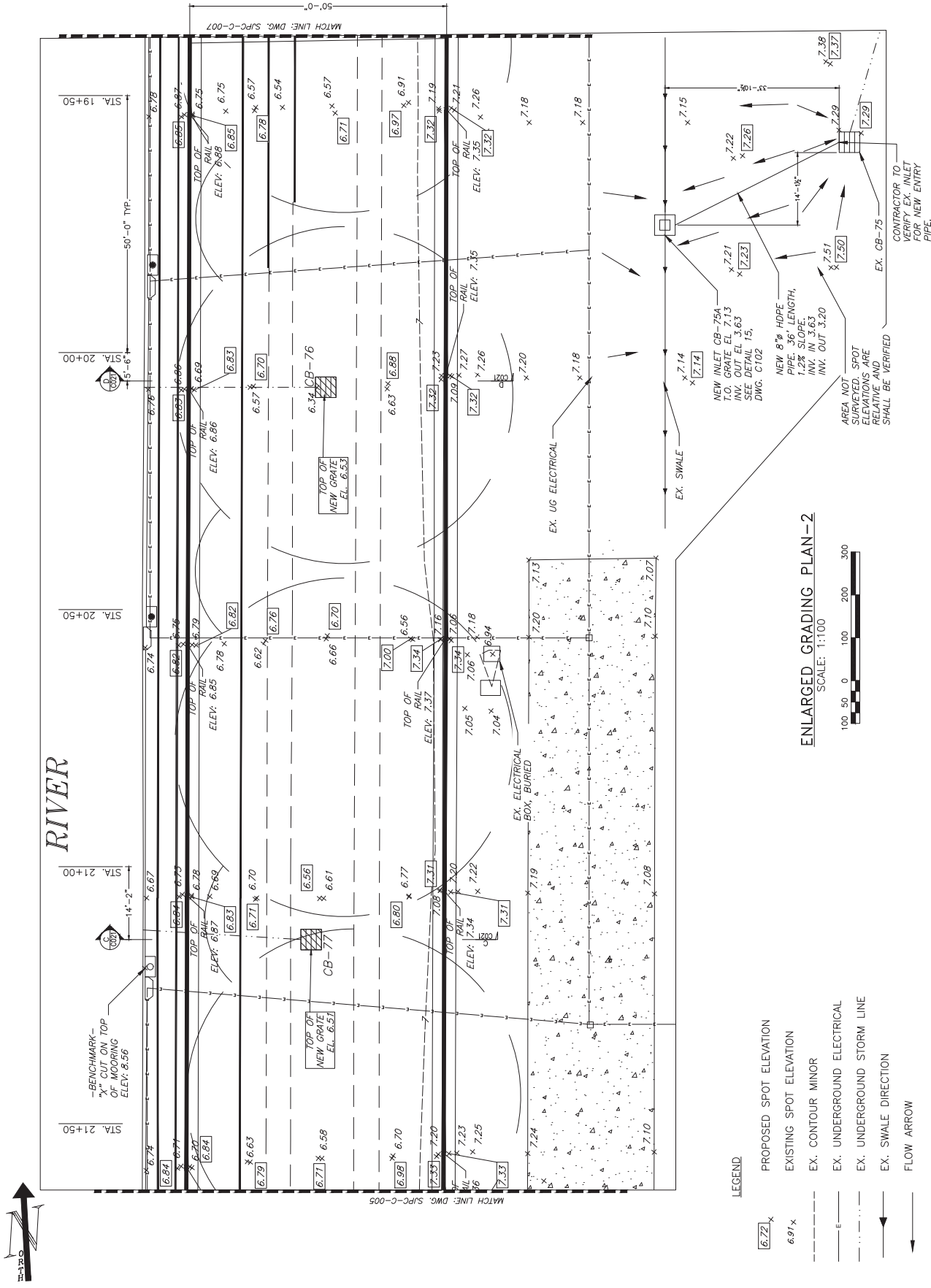
NO.	DATE	REVISION DESCRIPTION
1	08/10/2020	ISSUED FOR BID

PROJECT:
BERTH 4 REPAIR
BALZANO MARINE TERMINAL
101 JOSEPH A. BALZANO BLVD.
CAMDEN NJ
CAMDEN COUNTY

DATE	10/05/2017	LOC.	144-1
SCALE	AS SHOWN	DATE	10/05/2017
DRAWN BY	11/10/2018	DESIGNED BY	11/10/2018
CHECKED BY	11/10/2018	APPROVED BY	11/10/2018

DRAWING TITLE:
ENLARGED GRADING PLAN 2
DRAWING NO.:
SJPC-C-006

SHEET NO.:
11 OF 23





PROPOSED SPOT ELEVATION
EXISTING SPOT ELEVATION
EX. CONTOUR MINOR
EX. UNDERGROUND ELECTRICAL
EX. UNDERGROUND STORM LINE



RICHARD M. FRANKS, JR. PE	DATE
---------------------------	------

DOI: 10.1002/eqm2

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NO.	DATE:	REVISION DESCRIPTION
0	03/13/2025	ISSUED FOR BID

	000 1500

BERTH 4 REPAIR
BALZANO MARINE TERMINAL
101 JOSEPH A. BALZANO BLVD
CAMDEN, NJ
CAMDEN COUNTY

DATE	10/05/2024	LOT	141-1
SCALE	AS SHOWN	TASK	
PLOT DATE	11/27/2024	PROJECT NO.	S-PC-0044
DRAWN BY	CN	REVIEWED BY	APB

DRAUGHT TITLE BLOCK

ENLARGED GRADING PLAN 3

10

DRAWING NO.:

• • •

SJC-6-007

SJPC



SEAL
Professional Engineer
No. 43283
Professional Engineer
State of New Jersey

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NO.	DATE	REVISION DESCRIPTION
0	09/10/2005	ISSUED FOR BID

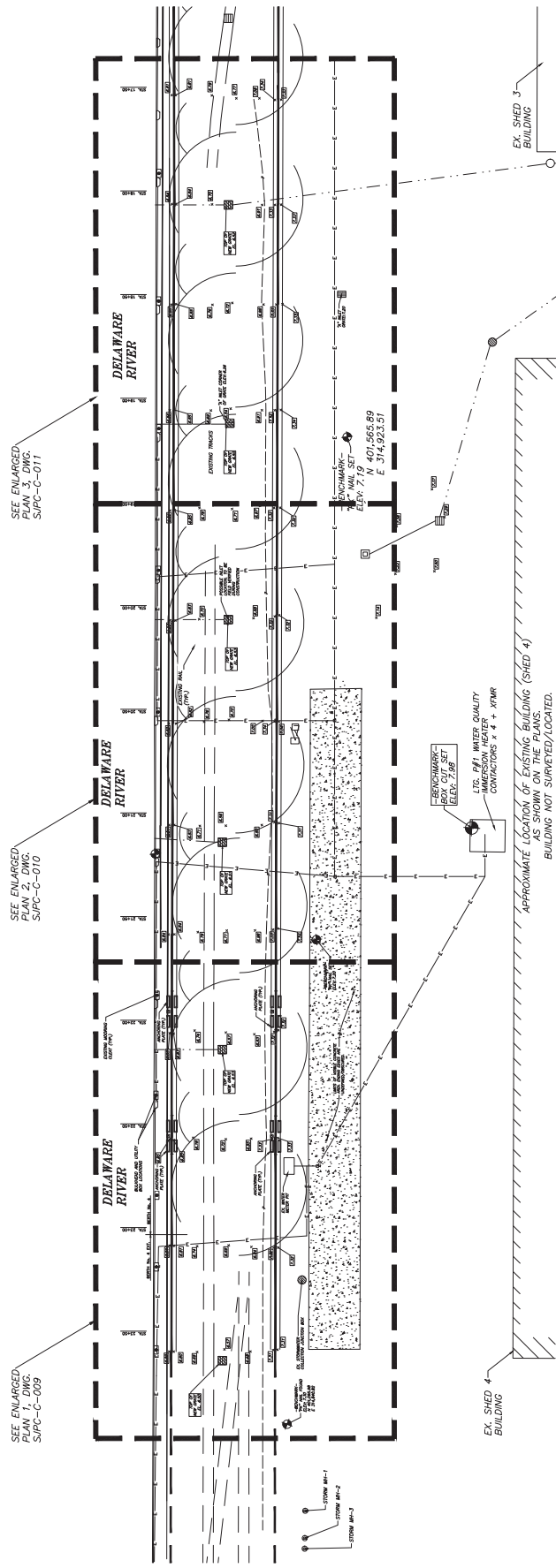
PROJECT
BERTH 4 REPAIR
BALZANO MARINE TERMINAL
101 JOSEPH A. BALZANO BLVD.
CAMDEN NJ
CAMDEN COUNTY

DATE	10/05/2007	LOC.	140-1
SCALE	AS SHOWN	DATE	1/25/08
DRAWN BY	11/10/08	DESIGNED BY	8-JPC-004
CHECKED BY		APPROVED BY	8-JPC-004

DRAWING TITLE
OVERALL SITE PLAN: PROPOSED

DRAWING NO.
SJPC-C-008

SHEET NO.
13 OF 23



OVERALL SITE PLAN: PROPOSED
SCALE: 1:300



NOTES:

1. CONTRACTOR SHALL REVIEW ALL SPECIFICATIONS AND SCOPES OF WORK PRIOR TO BIDDING.
2. PHASING FOR ALL DMR AND PROPOSED WORK CAN BE FOUND ON DWGS. SJPC-G-002, G-004 AND G-005.

SJPC



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NO.	DATE	REVISION DESCRIPTION
1	08/10/2020	ISSUED FOR BID

PROJECT:
BERTH 4 REPAIR
BALZANO MARINE TERMINAL
101 JOSEPH A. BALZANO BLVD.
CAMDEN, NJ
CAMDEN COUNTY

DATE	10/05/2017	SCALE	AS SHOWN
DRAWN BY	11/10/2018	PROJECT NO.	8-JPC-0404
CHECKED BY	01/01/2019	DESIGNED BY	APB

DRAWING TITLE:
ENLARGED PLAN 1:
PROPOSED PLAN

DRAWING NO.:
SJPC-C-009

SHEET NO.:
14 OF 23

DELAWARE RIVER

REPLACE SPALLED CONCRETE AND GROUT AROUND MOORING BOLLARD, SEE DETAIL 12, DWG. SJPC-C-102

LIMIT OF REPLACEMENT: STA. 23+50



INSTALL NEW BINDER COURSE AND WEARING COURSE IN ASPHALT SECTION SJPC-C-101

AFTER TRACK REMOVAL, FILL TRACK AREA WITH CONCRETE SLAB, SEE DETAIL 9, SJPC-C-102 FOR BERTH 4 EXTENSION

POSSIBLE INLET LOCATION, TO BE FIELD VERIFIED DURING CONSTRUCTION. UNCOVER AND RE-CONSTRUCTION TOP OF INLET AND INSTALL GRATE PER DETAIL 5, SJPC-C-101.

-BENCHMARK-"PK" NAIL FOUND
ELEV: 7.30
N 401,095.98
E 314,840.62



EX. WATER METER PIT
PIT LID TO BE REPLACED PER STANDARD DETAIL.

REPLACE CONCRETE ON GRADE BEAM, SEE DETAIL 1, SJPC-C-101

REPLACE CONCRETE ON GRADE BEAM, SEE DETAIL 1, SJPC-C-101

-BENCHMARK-"PK" NAIL SET
ELEV. 7.20

LIMITS OF VISIBLE CONCRETE AREA, ENDING EDGES ARE UNDEFINED/OBSCURED.

ENLARGED PLAN-1: PROPOSED
SCALE: 1:100



2 1/2" 3.5mm SMA WEARING COURSE
6" THICK MODIFIED BINDER
INSTALLED IN 3" LIFTS

171 RAIL

5" MIN. THICK HMA BASE COURSE INSTALLED IN 3" LIFTS

EX. RAILROAD BALLAST, 10 MIN THICKNESS

REPAIR TOP OF CRANE RAIL GRADE BEAM, SEE DETAIL 1, SJPC-C-101

171 RAIL

EX. CONC. DAP-PRGM

EX. CONC. DAP-PRGM

EX. CONC. DAP-PRGM

EX. CONC. DAP-PRGM

EX. CONC. DAP-PRGM

APPROX. 7" CRUSHED STONE, COMPACTED.

EX. RAILROAD BALLAST, 10 MIN THICKNESS

5" MIN. THICK HMA BASE COURSE INSTALLED IN 3" LIFTS

REPAIR TOP OF CRANE RAIL GRADE BEAM, SEE DETAIL 1, SJPC-C-101

171 RAIL

EX. CONC. DAP-PRGM

EX. CONC. DAP-PRGM

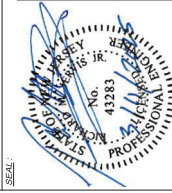
EX. CONC. DAP-PRGM

EX. CONC. DAP-PRGM

EX. CONC. DAP-PRGM

OVERALL BERTH 4 SECTION A-A
SCALE: 3/8" = 1'-0"





RICHARD M. JERVIS JR., P.E. NEW JERSEY PROFESSIONAL ENGINEER	DATE
---	------

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[illegible]

PROJECT:

**BERTH 4 REPAIR
BALZANO MARINE TERMINAL
101 JOSEPH A. BALZANO BLVD.
CAMDEN, NJ
CAMDEN COUNTY**

<u>M4P</u>	1005-307	<u>LOT</u>	141-1
<u>SCALE</u>	AS SHOWN	<u>TASK</u>	
<u>PLOT DATE</u>	11/27/2024	<u>PROJECT NO.</u>	SJPC-6644
<u>DRAWN BY</u>	CY	<u>REVIEWED BY</u>	APB

DRAWING TITLE:

ENLARGED P

PROPOSED A

DRAWING NO.:

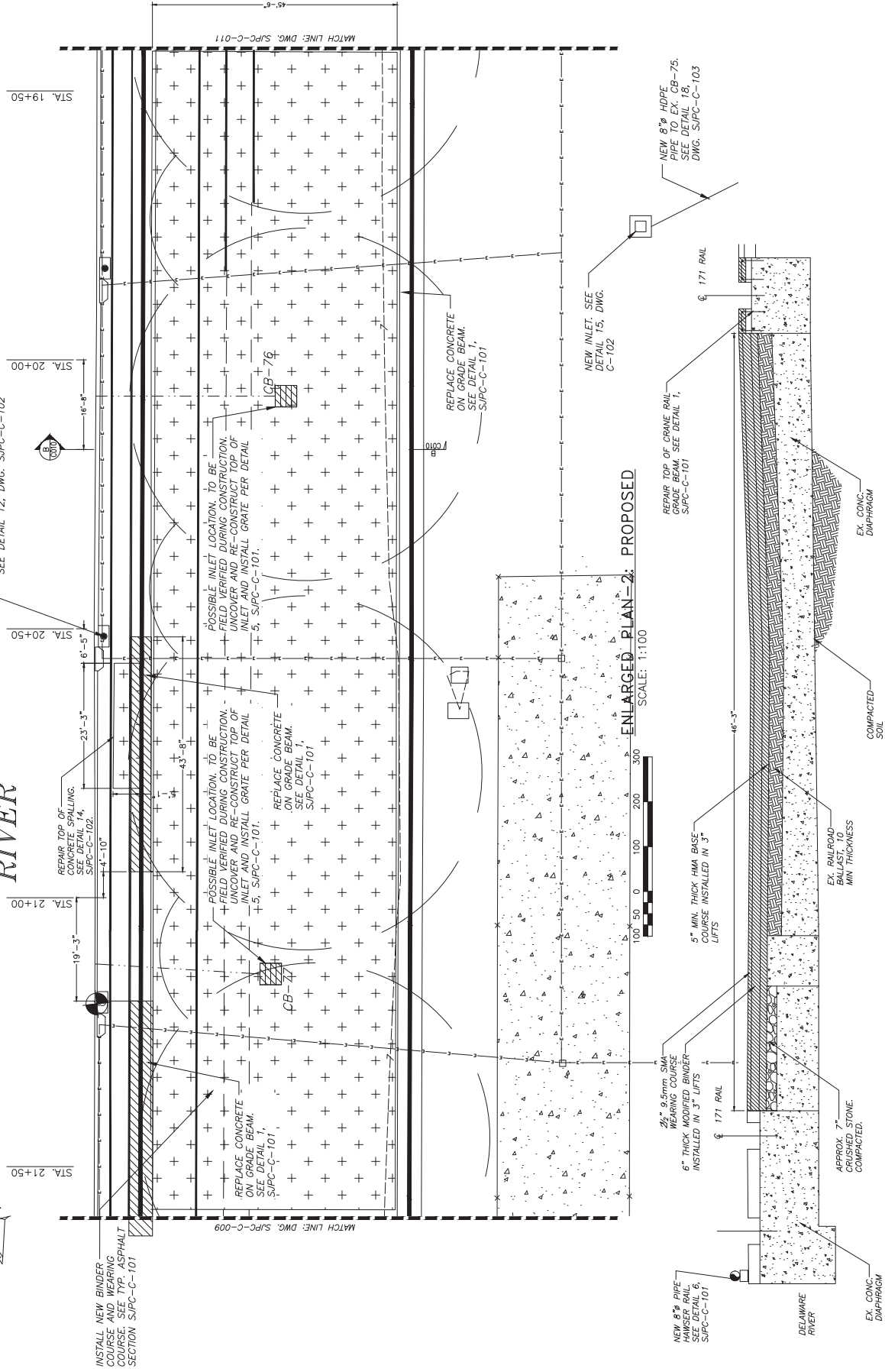
SIPC-C-010

100

SHEET NO.:

15 01

1



OVERALL BERTH 4 SECTION B-B

SCALE: $\frac{3}{8}'' = 1'-0''$

Number of items	Percentage of correct responses
32	~85
16	~75
0	~65
32	~85
64	~75
96	~65



DATE _____
 RICHARD M. JERVIS JR., P.E.
 NEW JERSEY PROFESSIONAL ENGINEER
 A.E.C. 23-0003

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[illegible]

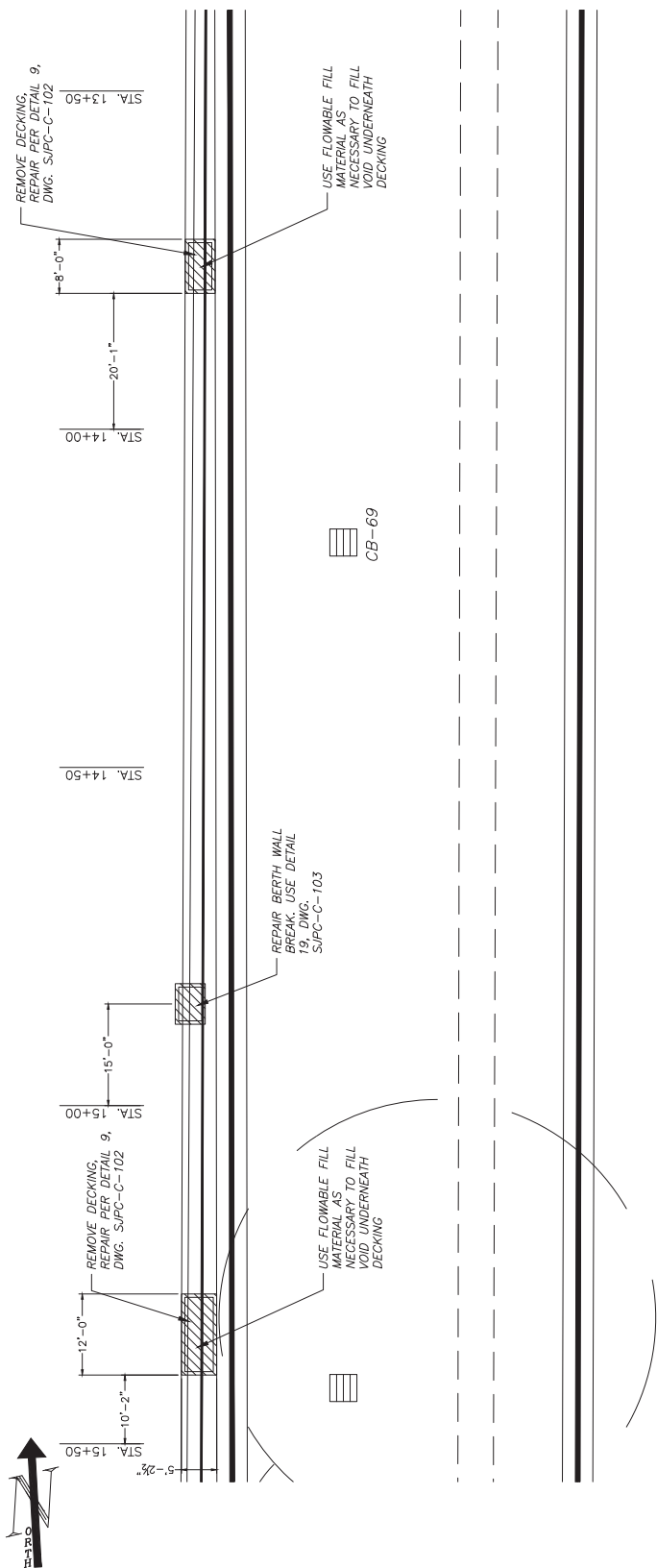
PROJECT: BERTH 4 REPAIR
BALZANO MARINE TERMINAL
101 JOSEPH A. BALZANO BLVD.
CAMDEN, NJ
CAMDEN COUNTY

AP	1006 - 3.07	LOT	141-1
CALE	AS SHOWN	TASK	
LOT DATE	11/27/2024	PROJECT NO.	S-PC-6644
ISSUED BY	CY	REVIEWED BY	APB

DRAWING TITLE:
ENLARGED PLAN 4: MISC REPAIR
PLAN

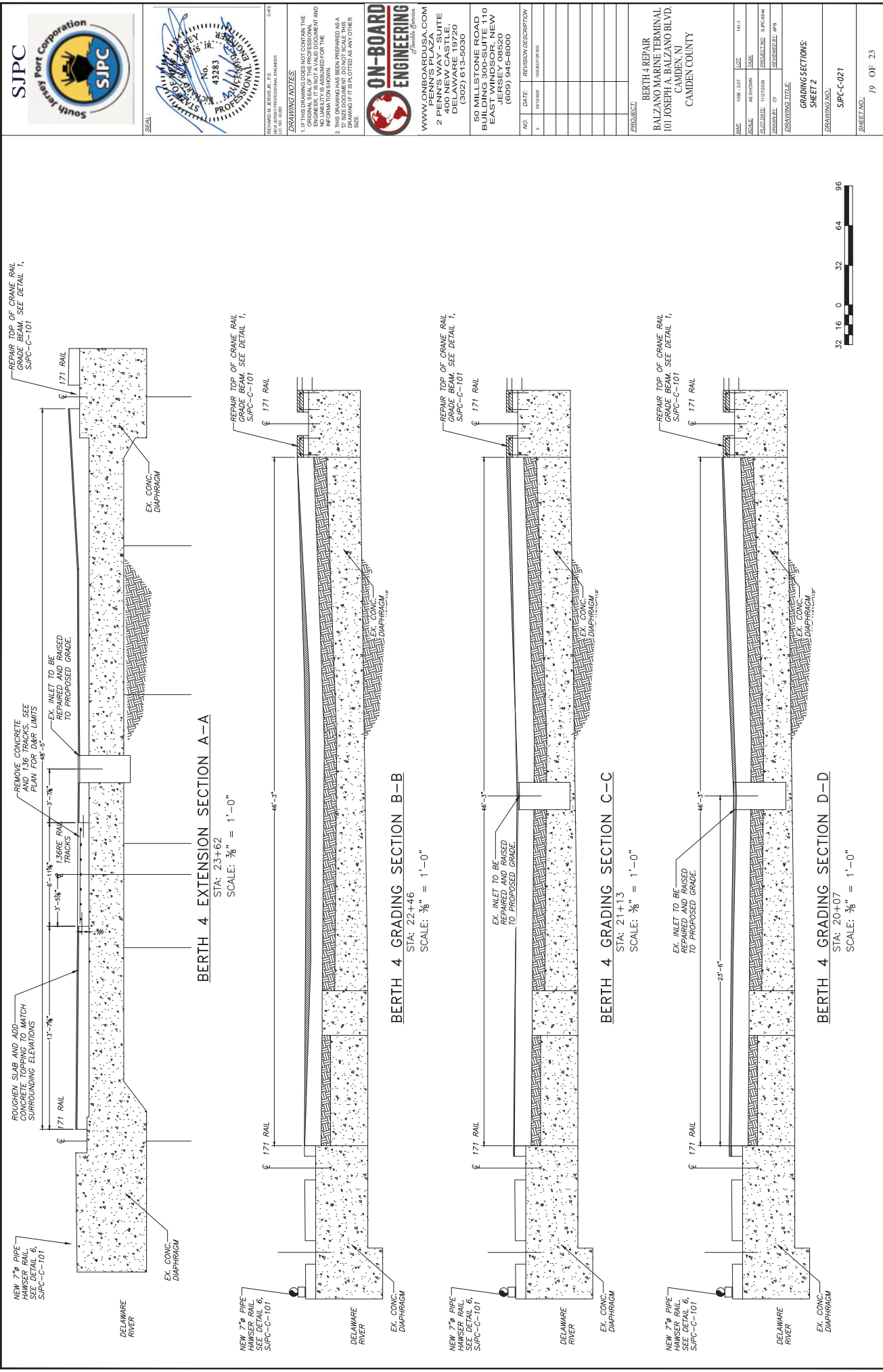
DRAWING NO.:
SIPC-C-012

SHEET NO.: 17 OF 23



ENLARGED PLAN 4: MISC REPAIRS







SJPC
South Jersey Port Corporation

SEAL



NO. 43283
RICHARD M. JERVIS
PROFESSIONAL ENGINEER

DATE

REVISIONS

REVISION NO. 1

REVISION DESCRIPTION

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NO.	DATE	REVISION DESCRIPTION
0	08/10/2020	ISSUED FOR RFD

PROJECT

BERTH 4 REPAIR
BALZANO MARINE TERMINAL
101 JOSEPH A. BALZANO BLVD.
CAMDEN NJ
CAMDEN COUNTY

DATE	ISSUED FOR	SCALE
10/08/2017	AS SHOWN	1/4"=1'

DATE	ISSUED FOR	SCALE
10/08/2017	AS SHOWN	1/4"=1'

DRAWING TITLE

GRADING SECTIONS:
SHEET 2

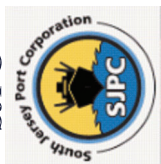
DRAWING NO.

SJPC-C-021

SHEET NO.

19 OF 23





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NO.	DATE:	REVISION DESCRIPTION
0	03/12/2026	ISSUED FOR BID

BERTH 4 REPAIR
BALZANO MARINE TERMINAL
101 JOSEPH A. BALZANO BLVD.
CAMDEN, NJ
CAMDEN COUNTY

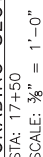
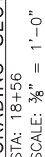
REF	1005-307	LOT	141-1
SCALE	AS SHOWN	TASK	
LOT DATE	11/27/2024	PROJECT NO.	SJC-6044
DRAWN BY	CY	REVIEWED BY	APB

DRAWING TITLE:

IG NO.:

SHEET NO.:

20 OF 23





RICHARD M. JERVIS JR., P.E.	DATE
-----------------------------	------

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0	03/12/2025	ISSUED FOR BID

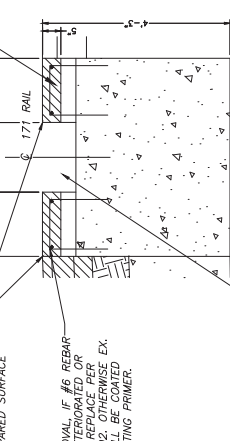
PROJECT: BERTH 4 REPAIR
BALZANO MARINE TERMINAL
101 JOSEPH A. BALZANO BLVD
CAMDEN, NJ

CAMDEN, NJ
CAMDEN COUNTY

<u>MAP:</u>	1006 - 3.07	<u>LOT:</u>	141-1
<u>SCALE:</u>	AS SHOWN	<u>TASK:</u>	
<u>PLOT DATE:</u>	11/27/2024	<u>PROJECT NO:</u>	S-PC-0644
<u>DRAWN BY:</u>	CY	<u>REVIEWED BY:</u>	APB
<u>DRAWING TITLE:</u>			

DRAWING NO.: **SIPC-C-101**

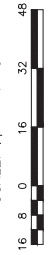
SHEET NO.: 21 OF 23



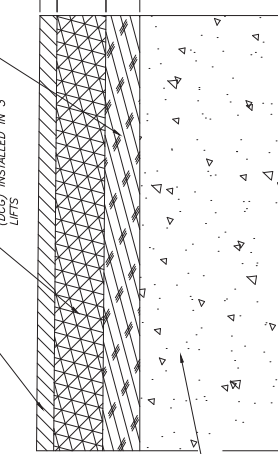
AFTER CONCRETE REMOVAL, IF #6 REBAR IS MORE THAN 25% DETERIORATED OR BROKEN, REMOVE AND REPLACE PER DETAIL 11, SJPC-C-102. OTHERWISE EX. REBAR TO REMAIN SHALL BE COATED WITH CORROSION INHIBITING PRIMER.

FILL IN WITH—
NON-METALLIC
GROUTING MATERIAL
PER STANDARD RAIL
SPECIFICATIONS.

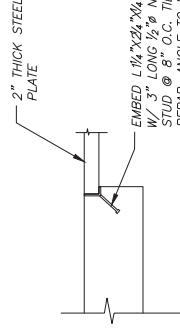
SCALE: $\frac{3}{4}" = 1'-0"$



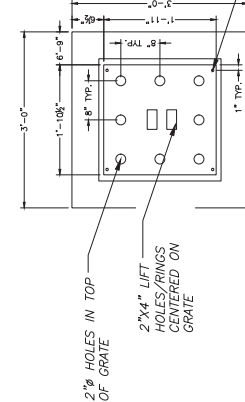
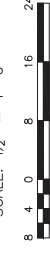
9.5mm SMA WEARING COURSE
19.0mm MODIFIED BINDER (100% INSTALLED IN 2")
HMA BASE COURSE INSTALLED IN 3" LIFTS



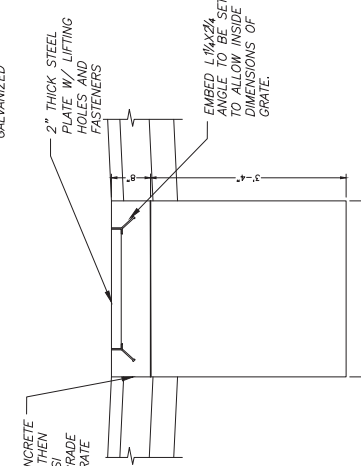
SCALE: 1" = 1'-0"



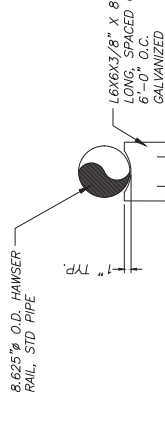
SCALE: 1 1/2" = 1'-0"



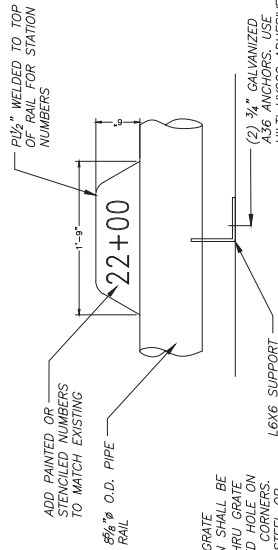
- FRAME TO GRATE CONNECTION SHALL BE 1/2" BOLT THRU GRATE INTO TAPPED HOLE ON FRAME. ALL CORNERS. STAINLESS STEEL OR GALVANIZED



SCALE: 1" = 1' 0"



SCALE: 1½" = 1'-0"



TAIL #	STATION
1001	1001



DETAILS 2, 8, 10 AND 16
HAVE BEEN REMOVED.



CHARLOTTA M. JERVIS JR., P.E.
NEW JERSEY PROFESSIONAL ENGINEER

DRAWING NOTES:

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PENN'S PLAZA
2 PENN'S WAY - SUITE
400 NEW CASTLE,
DELAWARE 19720
(302) 613-5030

50 MILLSTONE ROAD
BUILDING 300-SUITE 110
EAST WINDSOR, NEW
JERSEY 08520
(609) 945-8000

[illegible]

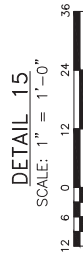
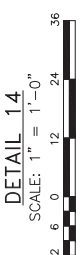
PROJECT: BERTH 4 REPAIR
BALZANO MARINE TERMINAL
01 JOSEPH A. BALZANO BLVD.
CAMDEN, NJ
CAMDEN COUNTY

<u>P</u>	1005 - 3.07	<u>LOT</u>	141-1
<u>CALE</u>	AS SHOWN	<u>TASK</u>	
<u>QTY DATE</u>	11/27/2024	<u>PROD CT NO</u>	S.P.C. 6644
<u>SALES BY</u>	CY	<u>REVIEWED BY</u>	APB

SECTIONS AND DETAILS

DRAWING NO.: SJPC-C-102

SHEET NO.: 22 OF 23



DETAIL 11: U-BAR REPLACEMENT

SCALE: $\frac{3}{4}" = 1'-0"$

Age Group	No (White)	Yes (Black)
0	6	6
4	6	6
8	12	6
16	12	12
24	6	12