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PARE CORPORATION

MCALLISTER MARINE ENGINEERING

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MARCH 15, 2022
COASTAL RESOURCES MANAGEMENT COUNCIL

JOHN MCALLISTER
No. 3722 11685
REGISTERED PROFESSIONAL ENGINEER

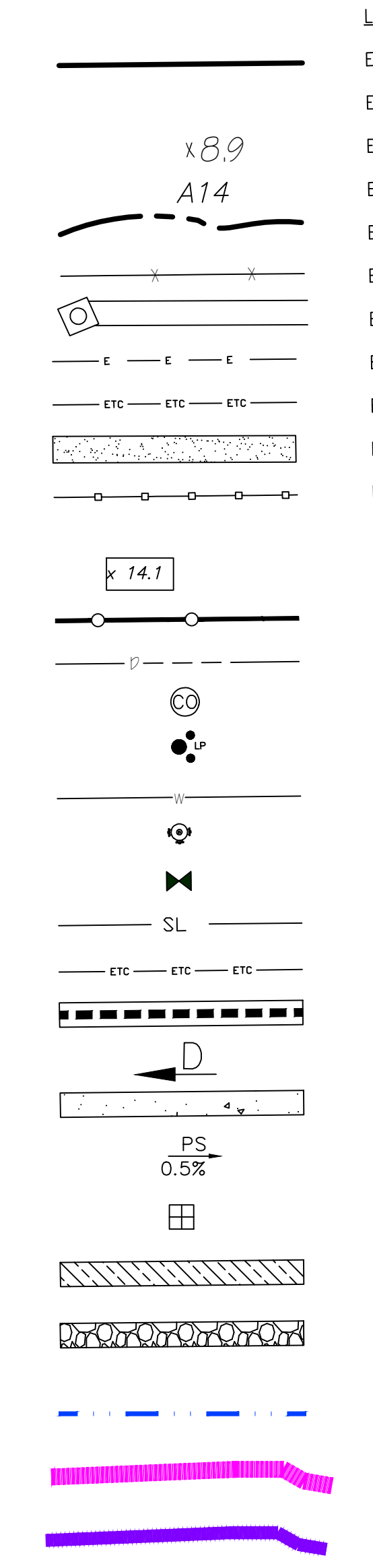
PROJECT
SOUTH QUAY PROPOSED SITE REDEVELOPMENT PROJECT

OWNER
RHODE ISLAND WATERFRONT ENTERPRISES, LLC
564 SOUTH WATER STREET
PROVIDENCE, RI 02903

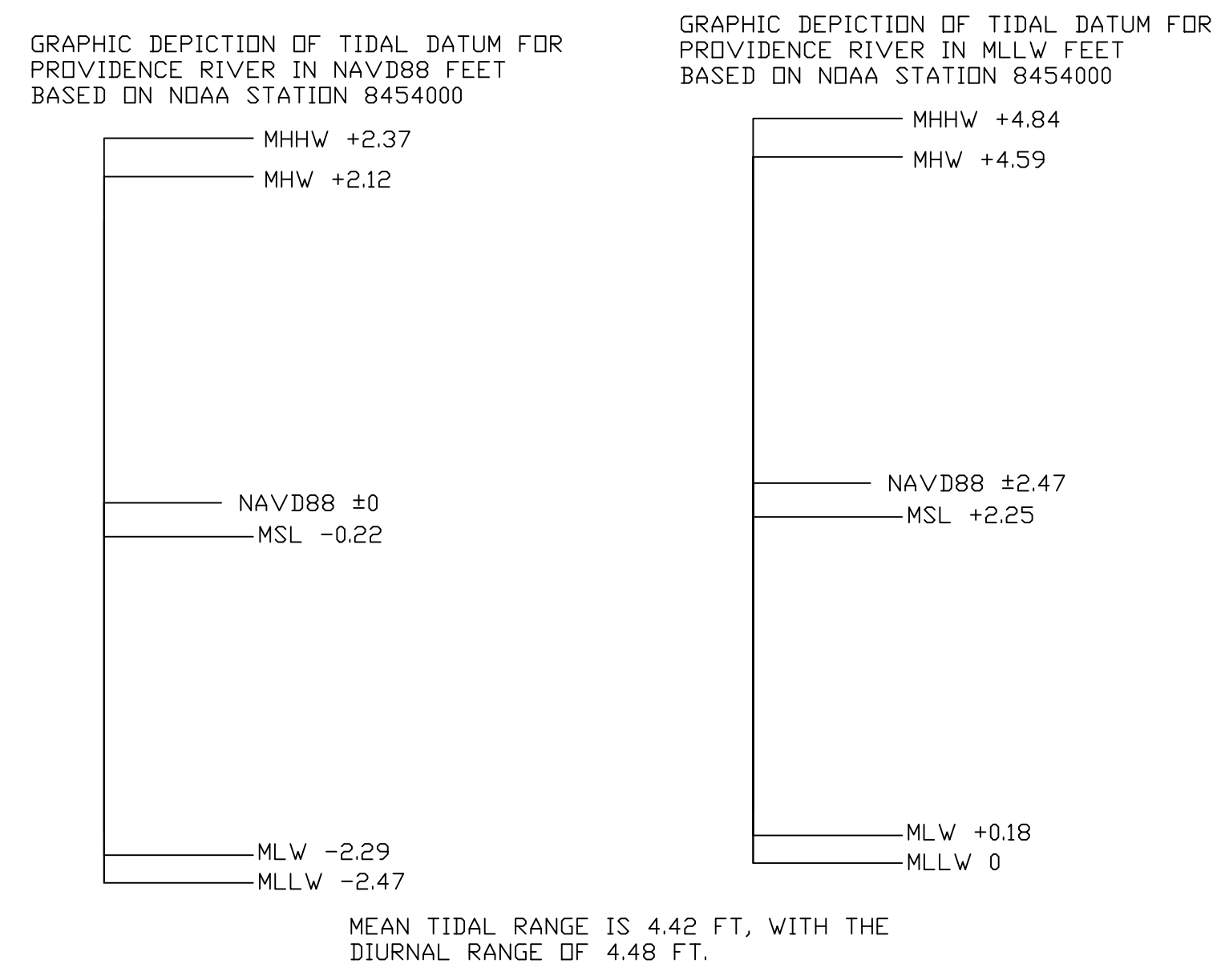
- GENERAL NOTES:**
- EXISTING CONDITIONS ARE INTENDED TO PROVIDE GENERAL OVERVIEW OF PROJECT SITE CONDITIONS.
 - NOTES BELOW ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES.
 - THE CONTRACTOR IS ADVISED THAT THE DRAWINGS AND SPECIFICATIONS FORM A PART OF THE CONTRACT DOCUMENTS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL KEEP A COPY OF THE DRAWINGS AND SPECIFICATIONS ON SITE AT ALL TIMES DURING THE PROJECT.
 - CONTRACTOR SHALL MAINTAIN ADEQUATE SURVEY CONTROL AT ALL TIMES TO ESTABLISH AND MAINTAIN ALL LINES AND ELEVATIONS.
 - THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND AND SUBMERGED UTILITIES WITHIN THE LIMITS OF WORK PRIOR TO COMMENCING ANY EXCAVATION OR GROUND PENETRATING WORK. THE CONTRACTOR SHALL NOTIFY "DIG SAFE" (1-888-344-7223) AT LEAST 3 BUSINESS DAYS PRIOR TO THE COMMENCEMENT OF THE EXCAVATION OR GROUND PENETRATING ACTIVITY.
 - EXISTING UTILITIES WITHIN OR SURROUNDING THE PORTIONS OF THE SITE HAVE NOT BEEN IDENTIFIED. IDENTIFICATION AND PROTECTION OF EXISTING UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL NOTIFY DIGSAFE 72 HOURS PRIOR TO START OF ANY ON SITE WORK.
 - ALL DIMENSIONS AND DETAILS OF THE EXISTING CONDITIONS AND THE PROPOSED CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE AND MAINTAIN ENVIRONMENTAL CONTROLS AS REQUIRED BY STATE, LOCAL, AND FEDERAL REGULATIONS AND LAW, AS WELL AS REQUIRED WITHIN EXISTING PERMITS AND APPROVALS.
 - ALL APPLICABLE FEDERAL AND STATE REGULATIONS AND PERMITS SHALL BE FOLLOWED, INCLUDING, BUT NOT LIMITED TO, THE CLEAN WATER ACT, THE FEDERAL DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY, HEALTH ACT, 401 WATER QUALITY CERTIFICATION, SECTION 404 PERMIT, AND THE U.S. ARMY CORPS OF ENGINEERS.

- NOTES:**
- TOPOGRAPHIC AND PROPERTY LINE SURVEY PERFORMED BY DIPRETE ENGINEERING ON JULY 17, 2017.
 - TOPOGRAPHIC SURVEY DATUM IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) IN FEET. THIS PLAN SET HAS BEEN CONVERTED TO MLLW VERTICAL DATUM. THE DIFFERENCE BETWEEN MLLW AND NAVD88, AS DEPICTED BELOW IS 2.47 FT.
 - BATHYMETRIC SURVEY CONDUCTED BY LLOYD'S REGISTER IN MARCH 2021.
 - SUBJECT PARCEL IS IN THE CITY OF EAST PROVIDENCE, PROVIDENCE COUNTY, RHODE ISLAND, LISTED AS ASSESSOR'S PLAT 7, BLOCK 1, LOT 3.
 - THE OWNER PER DEED BOOK 4149 PAGE 210 IS RI WATERFRONT ENTERPRISES, LLC.
 - THE ADDRESS OF THE PARCEL IS 649 WATERFRONT DRIVE.
- FLOOD NOTE:**
BY GRAPHIC PLOTTING ONLY, THE PROPERTY DEPICTED ON THIS PLAN FALLS IN ZONE AE AND ZONE VE, AS SHOWN ON THE FLOOD INSURANCE RATE MAP, MAP 44007 C0317J, EFFECTIVE DATE SEPTEMBER 18, 2013.

- NOTES:**
- WASH STATION TO BE UTILIZED AS NECESSARY TO CLEAN WHEELS OF TRUCK PRIOR TO LEAVING SITE.
 - ALL CATCH BASINS WITHIN 100 FEET OF WORK SITES SHALL BE PROTECTED AS DEPICTED ON THE EROSION AND SEDIMENTATION CONTROL PLAN.
 - PRIOR TO THE START OF CONSTRUCTION, FILTER FABRIC BARRIERS AND STRAW WATTLE SHALL BE INSTALLED.
 - ALL EROSION CONTROL MEASURES ARE TO BE MAINTAINED OR REPLACED DURING CONSTRUCTION AS NECESSARY.
 - CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTATION OF ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHOWN ON THESE PLANS. THIS RESPONSIBILITY INCLUDES IMPLEMENTATION AS WELL AS MAINTENANCE. ANY PROPOSED CHANGES TO THIS PLAN MUST BE APPROVED BY THE ENGINEER AND/OR THE PROPER AGENCY.
 - ANTI-TRACKING APRON SHALL BE INSPECTED REGULARLY TO ENSURE PROPER OPERATION. STONE TO BE ADDED TO OR REPLACED AS REQUIRED, AND CONTRACTOR WILL BE RESPONSIBLE FOR SWEEPING EXISTING ROADS AS REQUIRED.
 - OFF SITE FILL TO BE LEFT BARE FOR MORE THAN 14 DAYS SHALL BE TREATED WITH AIR DRIED WOOD CHIPS, MULCH, OR SEEDED WITH PERENNIAL FESCUE-GRASS UNTIL FINAL GRADING AND STABILIZATION IS TO TAKE PLACE.
 - AREAS TO BE LEFT BARE FOR MORE THAN 7 DAYS SHALL BE TREATED WITH AIR DRIED WOOD CHIPS, MULCH OR SEEDED WITH PERENNIAL FESCUE-GRASS UNTIL FINAL GRADING AND STABILIZATION IS TO TAKE PLACE.
 - ALL DISTURBED SLOPE AREAS IN EXCESS OF 3:1 SHALL IMMEDIATELY RECEIVE MULCH AND TEMPORARY SEEDING IN ACCORDANCE WITH THE FOLLOWING RECOMMENDED APPLICATION RATES:
MULCH: CERTIFIED WEED-FREE STRAW RATE: 90# / 1000 S.F.
TEMPORARY SEEDING: PERENNIAL FESCUE-GRASS RATE: 1.0# / 1000 S.F.
 - CONTRACTOR SHALL PERIODICALLY CLEAN CATCH BASIN SUMPS AS REQUIRED DURING CONSTRUCTION.
 - CONTRACTOR SHALL PREVENT SEDIMENT FROM ENTERING THE WATERWAY VIA DISCHARGES THROUGH ANY DRAINAGE STRUCTURES OR RUNOFF FROM WITHIN THE LIMITS OF WORK.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, RESTORING AND REPAIRING ALL DAMAGE AS A RESULT OF UNAUTHORIZED WORTH OR DISCHARGES AT NO ADDITIONAL COST TO THE OWNER.
 - THE CONTRACTOR SHALL INSTALL AND MAINTAIN TURBIDITY BARRIERS AS INDICATED IN THE CONTRACT DOCUMENTS. TURBIDITY BARRIERS SHALL BE ANCHORED SECURELY AS NECESSARY TO ENSURE COLLECTION OF SEDIMENT AND ENABLE THE WORK TO BE PERFORMED.
 - EROSION CONTROL BARRIERS SHALL BE MODIFIED OR EXPANDED AS FIELD CONDITIONS WARRANT.
 - ALL EROSION CONTROL BARRIERS SHALL BE INSPECTED AT LEAST ONCE PER WEEK. ANY DAMAGED AREAS OF THE EROSION CONTROL BARRIER SHALL BE REPAIRED WITHIN 24 HOURS OF DISCOVERY.
 - DEWATERING BASINS SHALL CONSIST OF HAY BALE ENCLOSURES, TANKS, PERMEABLE BLADDERS OR OTHER APPROPRIATE METHOD. DEWATERING WASTE WATERS SHALL BE PUMPED TO THE DEWATERING BASINS AND TREATED PRIOR TO DISCHARGE.
 - DISCHARGE OF TURBID WATER TO THE WATERWAY SHALL BE PROHIBITED.
 - THE TURBIDITY BARRIER SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF WORK AND SHALL REMAIN IN PLACE UNTIL ALL TEMPORARY PILES AND FRAMEWORK ARE REMOVED.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL PROJECT DEMOLITION AND EXCESS MATERIAL IN ACCORDANCE WITH MASSACHUSETTS, LOCAL, AND FEDERAL LAWS.
 - THE CONTRACTOR SHALL PROTECT ALL ADJACENT STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ALL DAMAGE TO ADJACENT STRUCTURES AND UTILITIES AT NO ADDITIONAL COST TO THE OWNER.
 - CONTRACTOR SHALL ENSURE THAT ADEQUATE SHORING AND FALSEWORK ARE PROVIDED TO THE EXISTING STRUCTURE(S) RESULTING IN A STABLE AND SAFE STRUCTURE AT ALL TIMES.
 - CONTRACTOR IS SOLELY RESPONSIBLE FOR MEANS, METHODS, AND SAFETY OF WORK.
 - PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL VISIT THE SITE AND SHALL NOTIFY THE ENGINEER OF ANY ADDITIONAL UTILITIES, STRUCTURES, OR ANY OTHER ELEMENTS WHICH MAY IMPEDE WORK. UTILITY AND/OR STRUCTURE RELOCATIONS, IF NECESSARY, SHALL BE COORDINATED THROUGH THE OWNER'S ENGINEER.
 - ALL CONSTRUCTION ACTIVITIES SHALL BE CONFINED TO THE LIMITS OF WORK AND TEMPORARY EASEMENTS DEFINED HEREIN.
 - THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A CONSTRUCTION SCHEDULE TO THE OWNER WITH 5 DAYS OF THE NOTICE OF AWARD. THE CONTRACTOR SHALL UPDATE SCHEDULE AS NEEDED THROUGHOUT THE COURSE OF WORK.
 - THE CONTRACTOR SHALL STAGE ALL EQUIPMENT IN THE DESIGNATED STAGING AREA. ALL GREASING AND FUELING ACTIVITIES SHALL OCCUR IN THE STAGING AREA. ALL NECESSARY MEASURES SHALL BE TAKE TO PREVENT BY ANY METHOD, OIL, CONSTRUCTION DEBRIS, STOCKPILED MATERIALS, AND OTHER MATERIALS ON THE SITE, FROM ENTERING THE WATERWAY. STAGING/LAYDOWN AREAS, AS APPROVED BY THE ENGINEER, SHALL BE RESTORED BY THE CONTRACTOR TO THE EXISTING CONDITION. IN ADDITION, THE CONTRACTOR SHALL REPLACE ALL DAMAGED MATERIALS AS A RESULT OF HIS OPERATIONS, TO THE SATISFACTION OF THE ENGINEER.
 - THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT ALL CONSTRUCTION DEBRIS OR WASTE FROM FALLING INTO THE WATER. ANY DEBRIS FALLING INTO THE WATER SHALL BE REMOVED AND PROPERLY DISPOSED OF.
 - THE CONTRACTOR SHALL MAINTAIN A SECURE SIT AND PROVIDE APPROPRIATE SAFETY MEASURES TO PREVENT ACCIDENTS. THE SAFETY MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO SIGNAGE, BARRICADES, FENCES, FLASHING WARNING LIGHTS, AND POLICING IF NECESSARY.
 - IN CASE OF CONTRADICTION BETWEEN THE DRAWINGS, THE SPECIFICATIONS, AND THE CODES, OR IF ANY CHANGE IS REQUIRED, THE CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY. NO CHANGE SHALL BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
 - UPON COMPLETION OF THE PROJECT, CONTRACTOR IS TO PROVIDE TWO AS-BUILT PLAN SETS TO THE OWNER DEPICTING ANY FIELD CHANGES OF DIMENSION OR DETAIL, LOCATION OF UNDERGROUND STRUCTURES AND/OR UTILITIES, CONSTRUCTION DEVIATIONS, CHANGES TO FIELD OR CHANGE ORDER, AND DETAILS NOT ON THE ORIGINAL DRAWINGS. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.



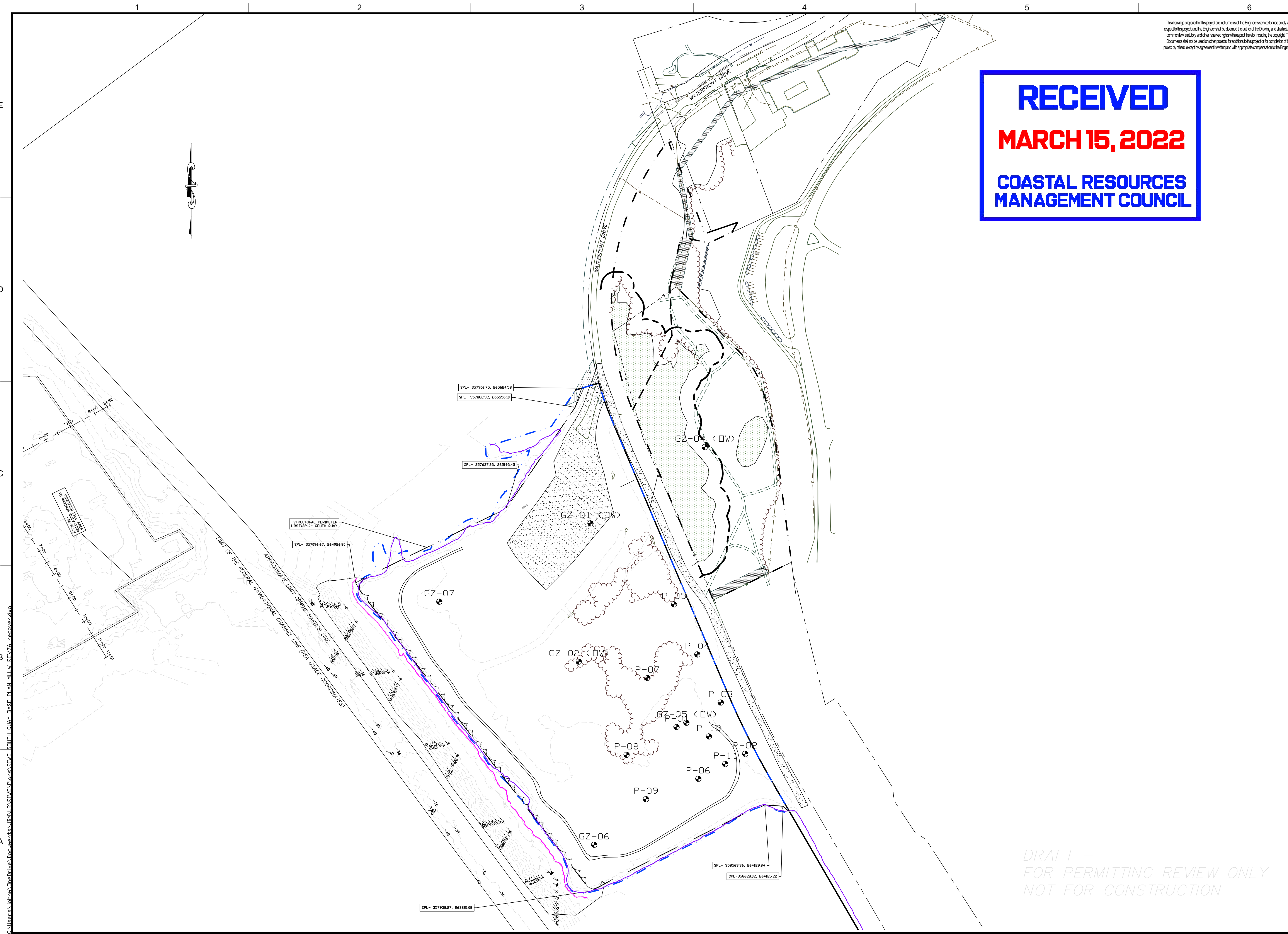
- LEGEND**
- EXISTING PROPERTY LINE
 - EXISTING GRADING
 - EXISTING SPOT GRADE
 - EXISTING WETLAND FLOW DIRECTION
 - EXISTING WETLAND 50 FT. BUFFER
 - EXISTING CHAIN LINK FENCE
 - EXISTING DRAIN PIPE
 - EXISTING ELECTRICAL
 - EXISTING TELECOMM
 - EXISTING DRIVEWAY
 - PROPOSED CHAIN LINK FENCE
 - PROPOSED GRADING
 - PROPOSED SPOT GRADE
 - PROPOSED SILT FENCE AND STRAW WATTLE
 - PROPOSED DRAIN LINE
 - PROPOSED CLEAN OUT
 - PROPOSED LIGHTING ARRAY AND BOLLARDS
 - PROPOSED WATER LINE
 - PROPOSED FIRE HYDRANT
 - PROPOSED GATE VALVE
 - PROP. ELECTRICAL / SITE LIGHT DUCTBANK
 - PROPOSED TELECOMM
 - PROPOSED INFILTRATION TRENCH
 - INFILTRATION TRENCH FLOW DIRECTION
 - PROPOSED ASPHALT DRIVE
 - PIPE SLOPE
 - PROPOSED OVERFLOW GRATE
 - PROPOSED DREDGE AREA
 - PROPOSED JACK-UP BERTH
 - PROPERTY LINE
 - MEAN LOWER LOW WATER (MLLW)
 - MEAN HIGH WATER (MHW)



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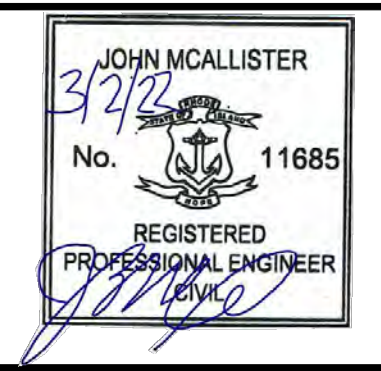
NO.	DATE	DESCRIPTION	BY
4	3/2/2022	REVISIONS FOR ASSENT	JBM
3	6/24/2021	EDITS FOR ASSENT	JBM
2	3/11/2021	USACE CHANNEL LIMITS	JBM
1	11/2/2020	UPDATED BATHY	JBM

PROJECT NO.	
CADD FILE	
DESIGNED BY	JBM
DRAWN BY	
CHECKED BY	JAB
DATE	SEPTEMBER 2020
DRAWING SCALE	N/A
GRAPHIC SCALE	
SHEET TITLE	
GENERAL NOTES AND PROJECT DESCRIPTION	
DRAWING NO.	
N-1	
2 OF 33	



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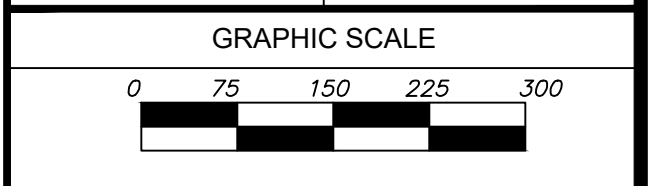


PROJECT
**SOUTH QUAY
 PROPOSED SITE
 REDEVELOPMENT PROJECT**

OWNER
 RI WATERFRONT ENTERPRISES, LLC
 564 SOUTH WATER STREET
 PROVIDENCE, RI 02903

NO.	DATE	DESCRIPTION	BY
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2	3/11/2021	USACE CHANNEL LIMITS	JBM
1	11/2/2020	UPDATED BATHY	JBM

PROJECT NO.	
CADD FILE	
DESIGNED BY	JBM
DRAWN BY	
CHECKED BY	JAB
DATE	SEPTEMBER 2020
DRAWING SCALE	1" = 150'



SHEET TITLE
**EXISTING
 CONDITIONS**

DRAWING NO.
EC-1

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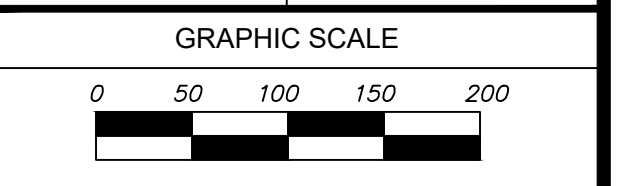


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**SOUTH QUAY
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 REDEVELOPMENT PROJECT**

OWNER
 RI WATERFRONT ENTERPRISES, LLC
 564 SOUTH WATER STREET
 PROVIDENCE, RI 02903

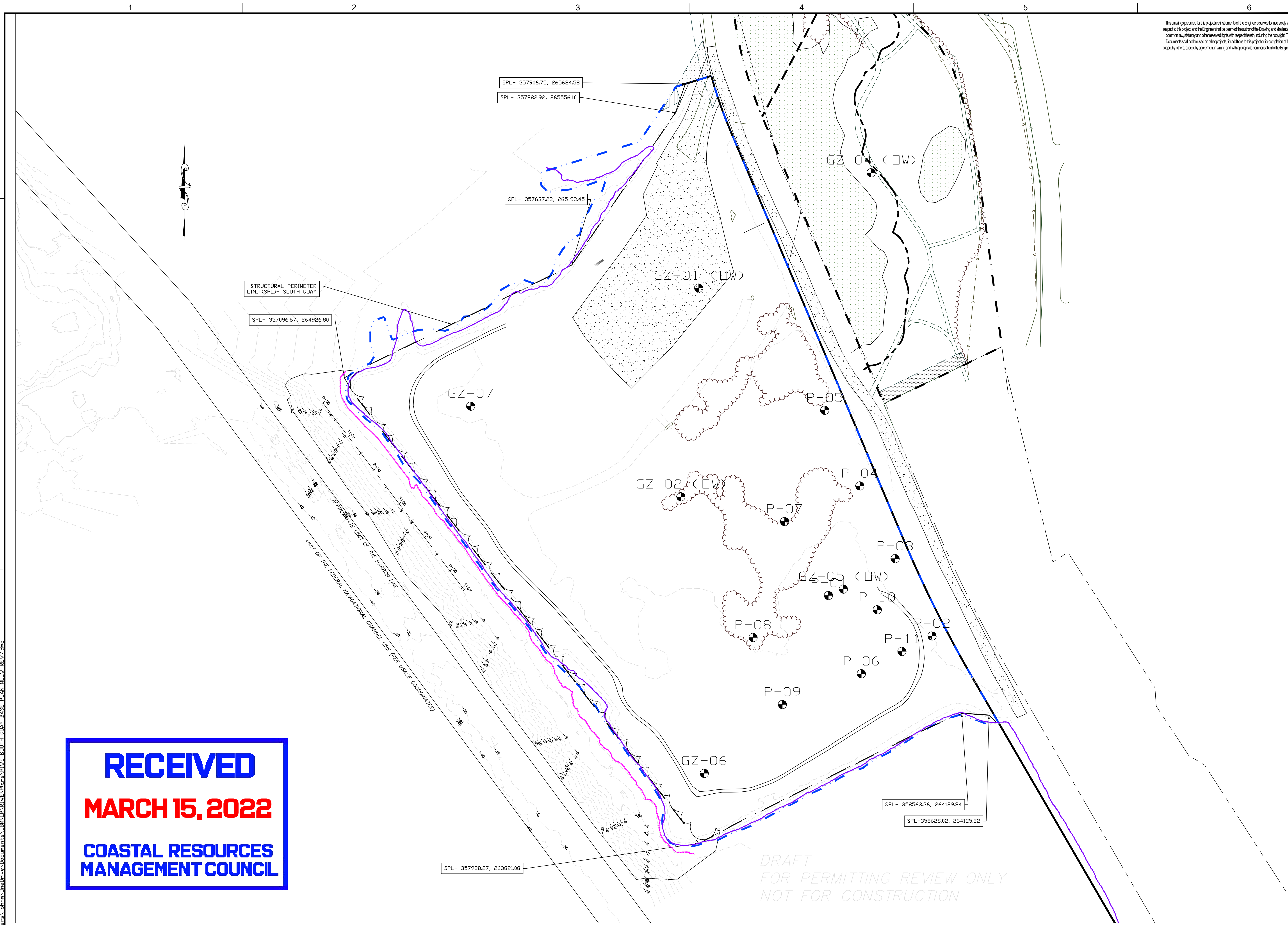
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1	11/2/2020	UPDATED BATHY	JBM

PROJECT NO.	
CADD FILE	
DESIGNED BY	JBM
DRAWN BY	
CHECKED BY	JAB
DATE	SEPTEMBER 2020
DRAWING SCALE	1" = 100'



SHEET TITLE
**EXISTING
 CONDITIONS**

DRAWING NO.
EC-2

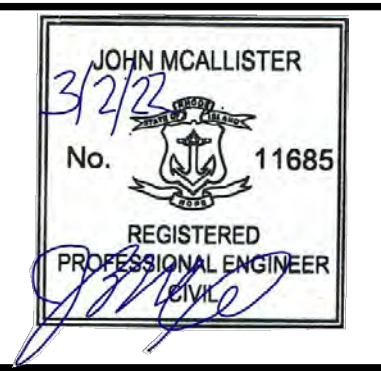


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C:\Users\jbm\Documents\JBM\RI Waterfront Enterprises\South Quay Base Plan\M.L.L. REVZ.dwg

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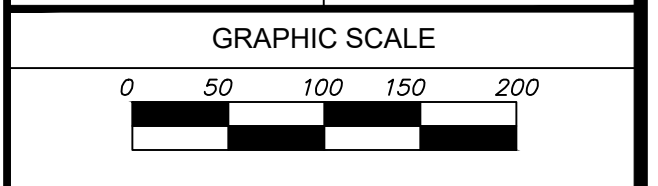
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 MANAGEMENT COUNCIL**

PROJECT
**SOUTH QUAY
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 REDEVELOPMENT PROJECT**

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**RI WATERFRONT ENTERPRISES, LLC
 564 SOUTH WATER STREET
 PROVIDENCE, RI 02903**

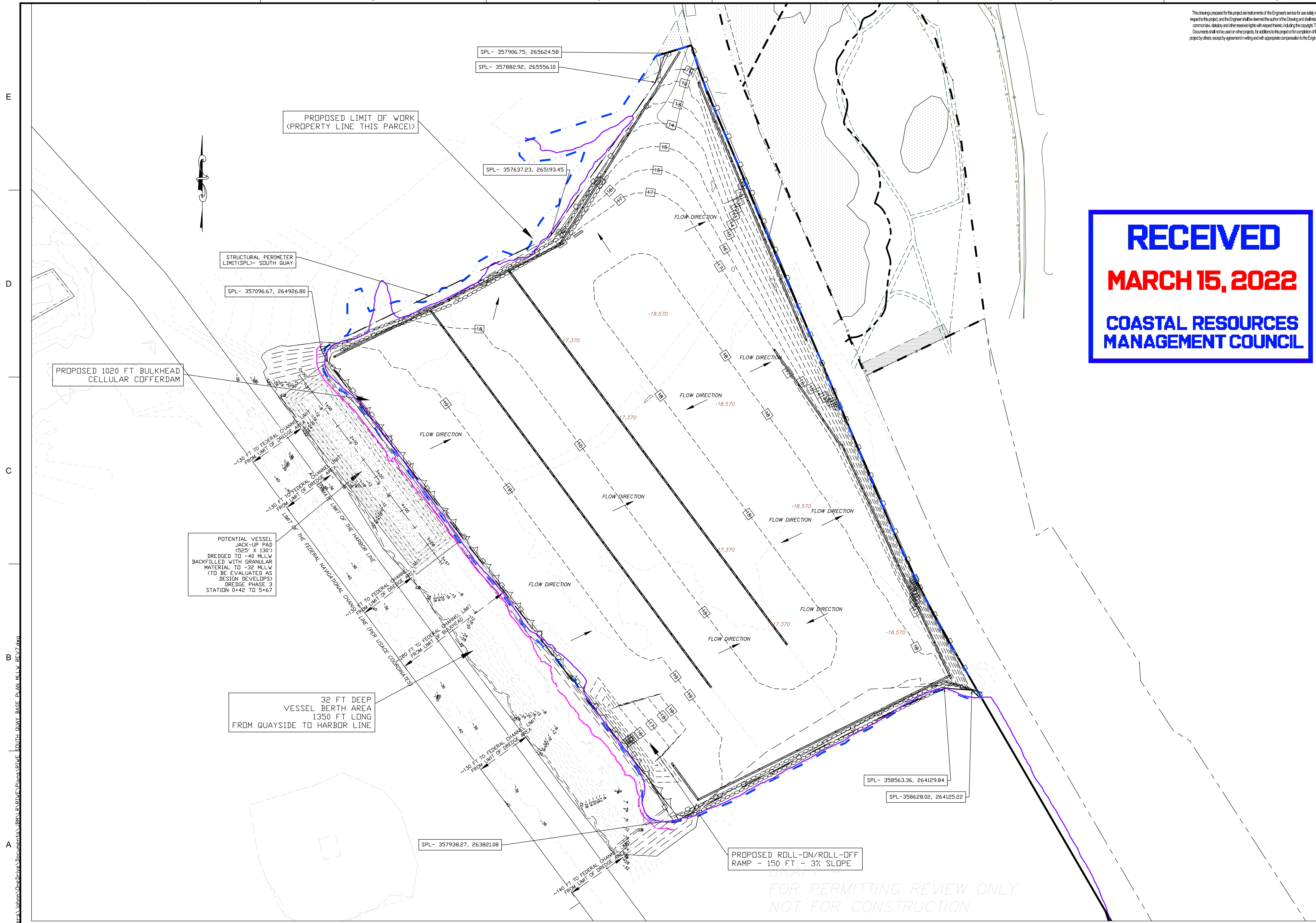
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3	6/24/21	ASSENT PACKAGE	JBM
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1	11/2/2020	UPDATED BATHY	JBM

PROJECT NO.	
CADD FILE	
DESIGNED BY	JBM
DRAWN BY	
CHECKED BY	JAB
DATE	SEPTEMBER 2020
DRAWING SCALE	1" = 100'



SHEET TITLE
**PROPOSED
 CONDITIONS
 PLAN**

DRAWING NO.
PC-1

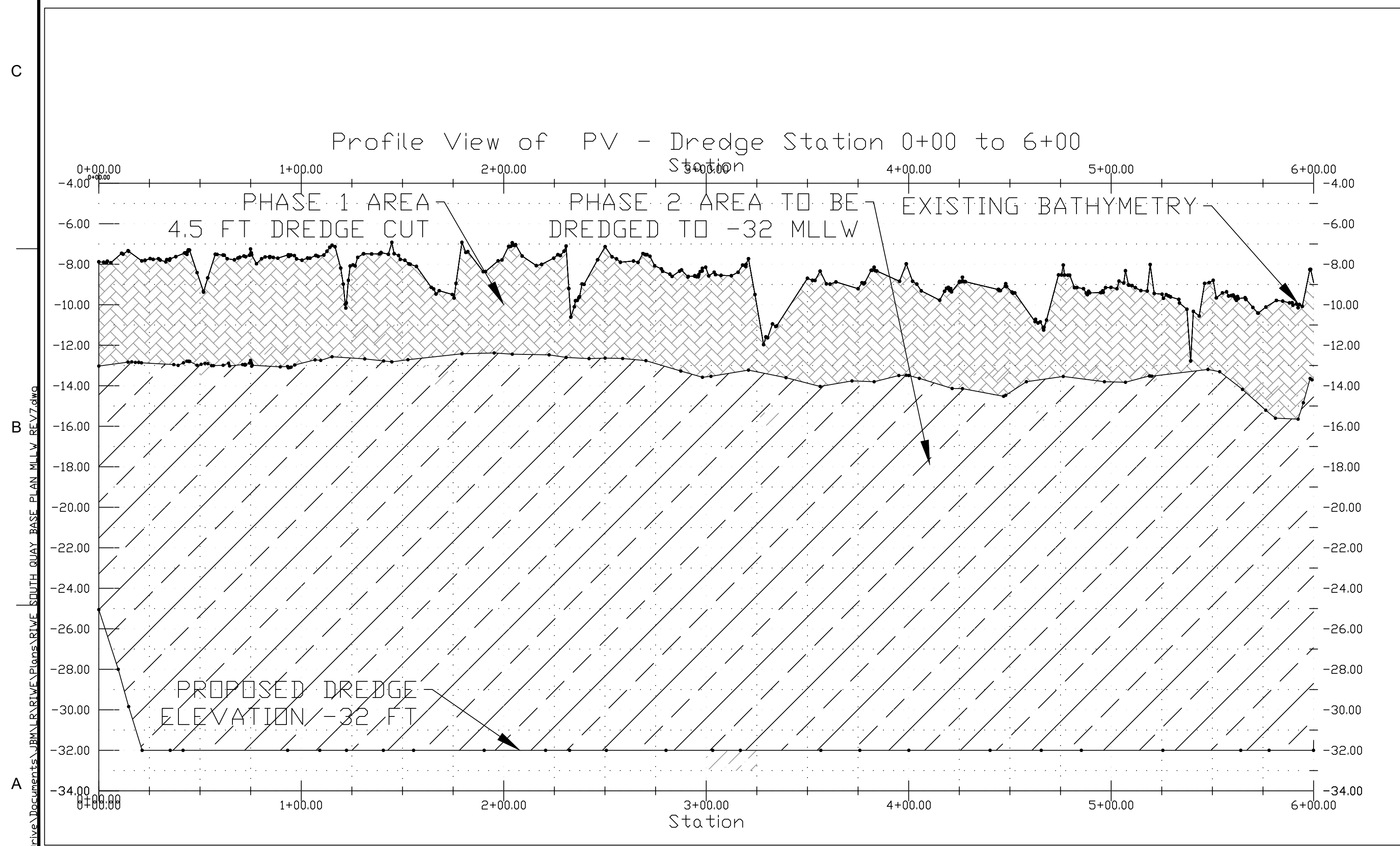
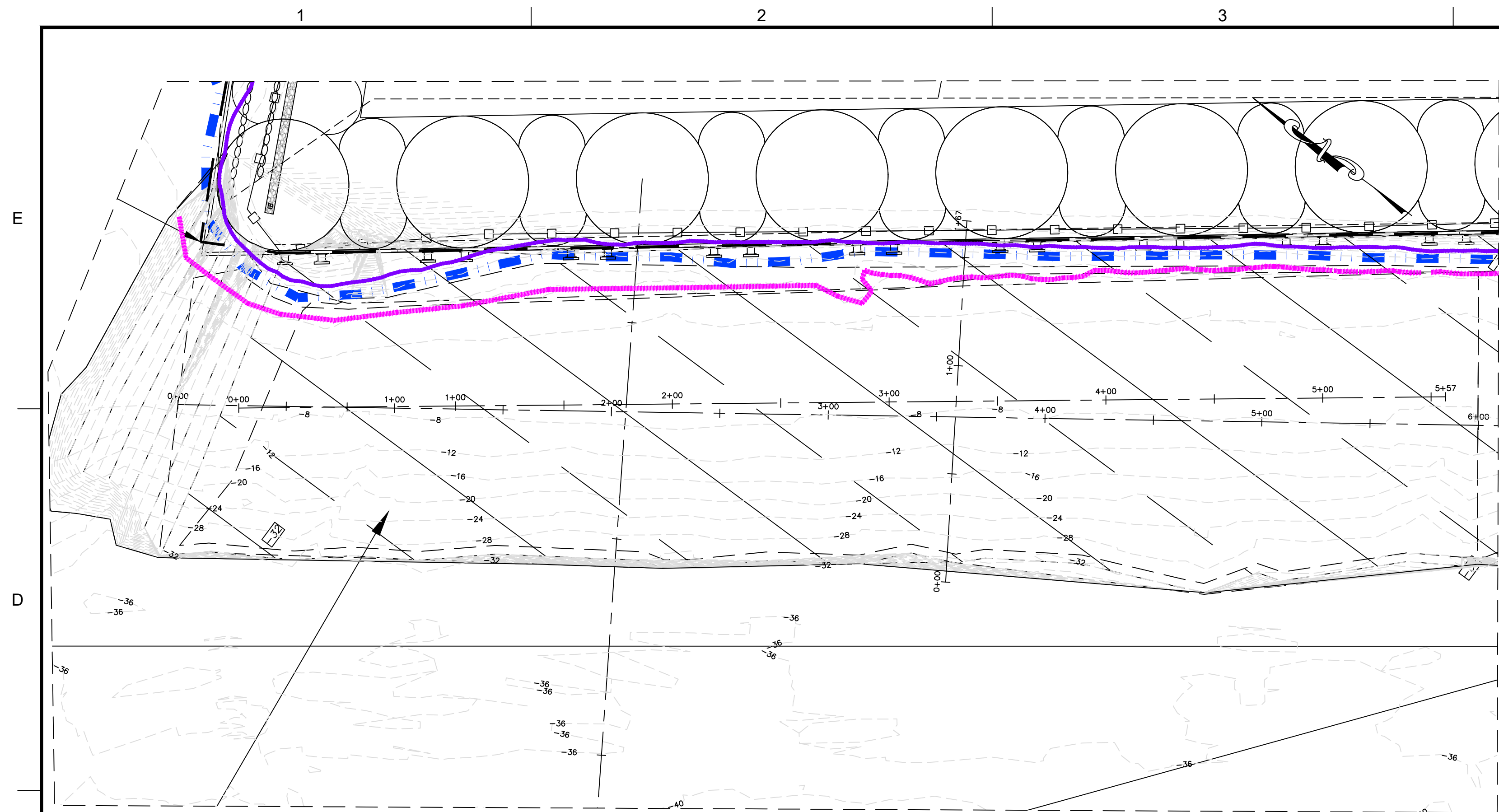


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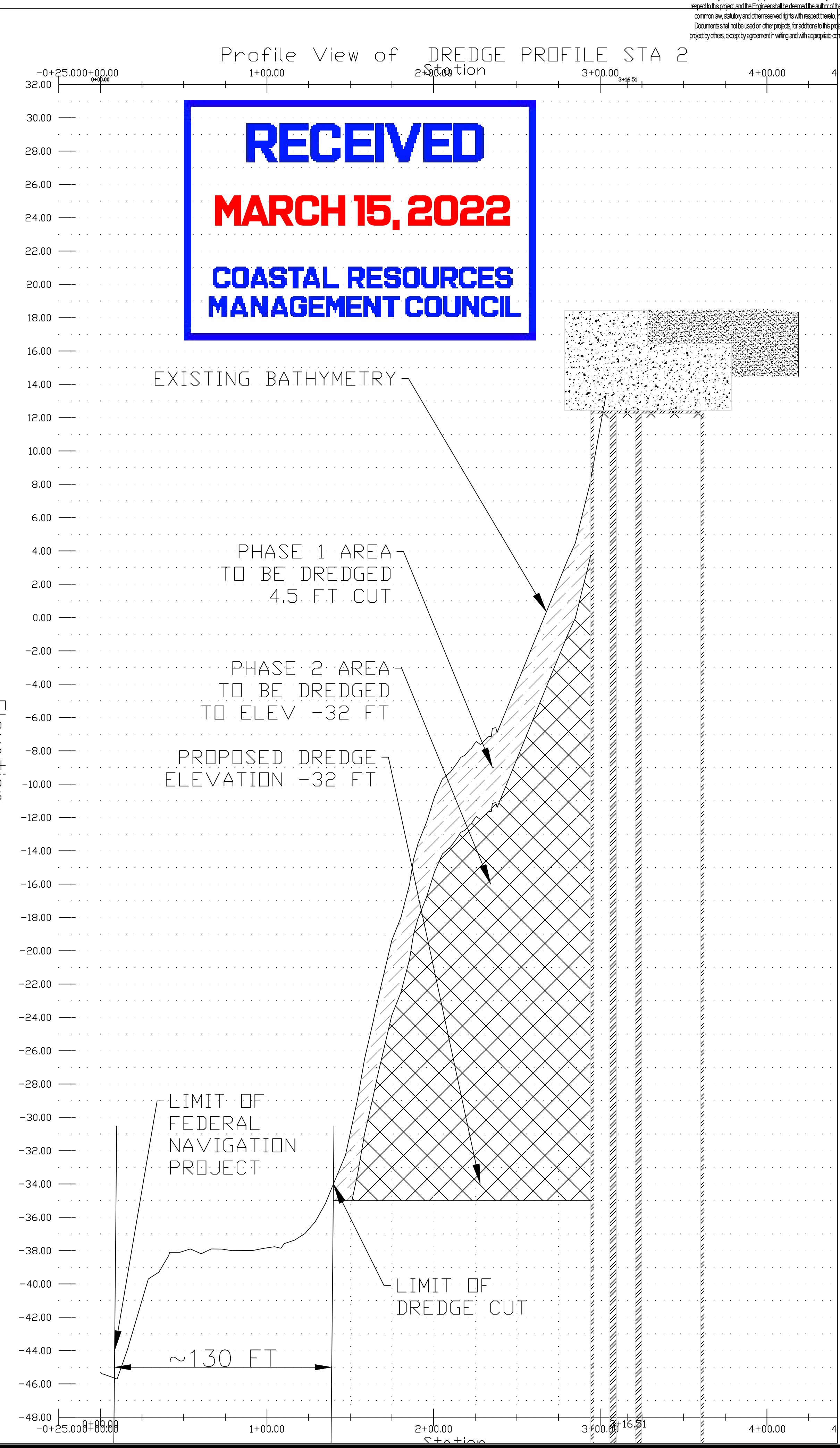
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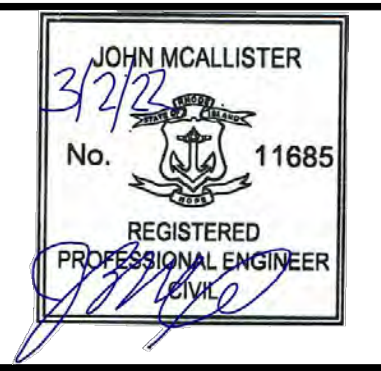
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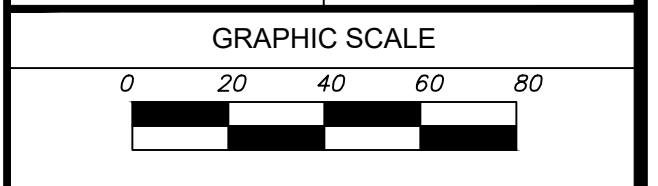


PROJECT
SOUTH QUAY
PROPOSED SITE
REDEVELOPMENT PROJECT

OWNER
RI WATERFRONT ENTERPRISES, LLC
564 SOUTH WATER STREET
PROVIDENCE, RI 02903

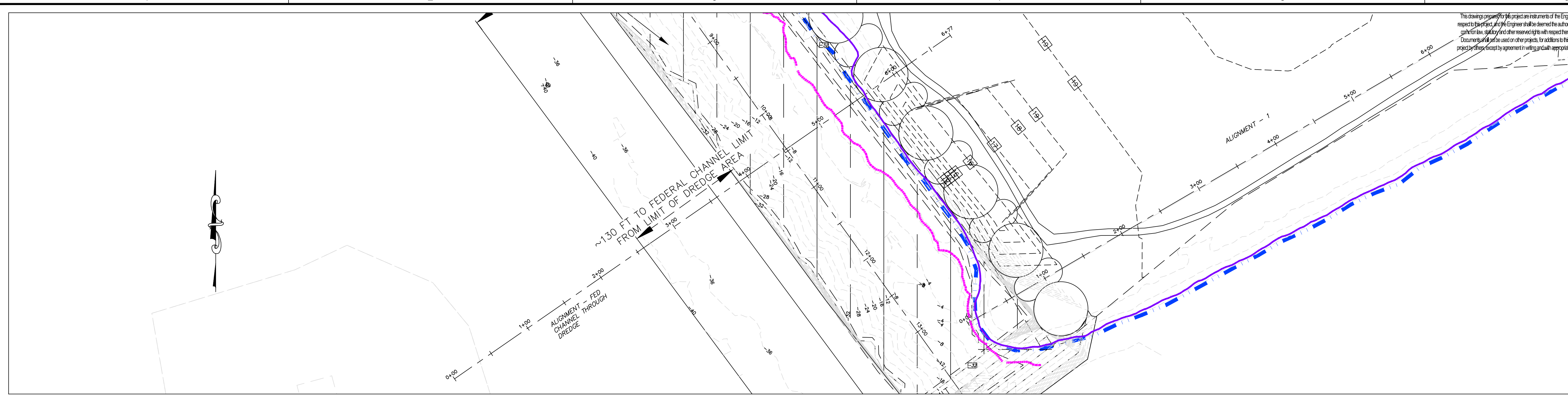
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5	3/2/2022	REVISIONS FOR ASSENT	JBM
4	6/24/2021	ASSENT PACKAGE	JBM
3	5/12/2021	UPDATE BATHY	JBM
2	3/11/2021	USACE CHANNEL LIMITS	JBM
1	11/2/2020	UPDATED BATHY	JBM

PROJECT NO.	
CADD FILE	
DESIGNED BY	JBM
DRAWN BY	
CHECKED BY	JAB
DATE	SEPTEMBER 2020
DRAWING SCALE	1" = 40'

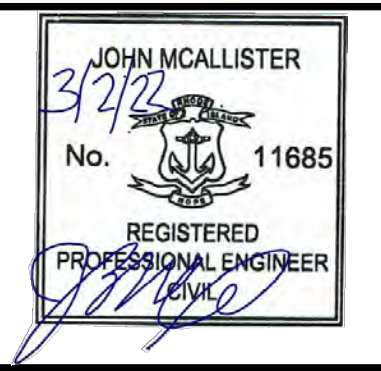


SHEET TITLE
PROPOSED
STAGE 0+00 TO 6+00
DREDGE PLAN
AND PROFILE

DRAWING NO.
PD-2



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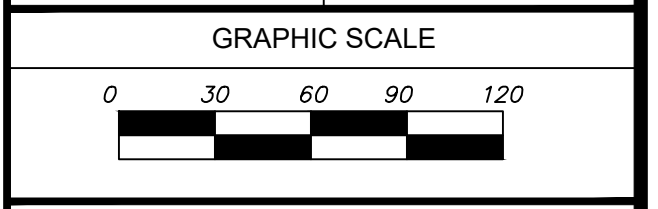


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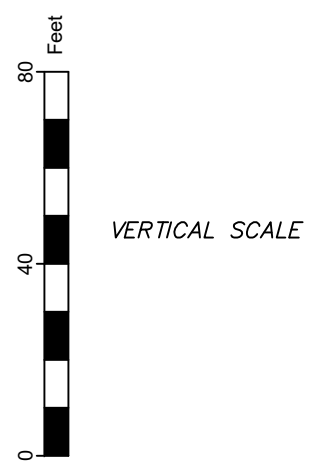
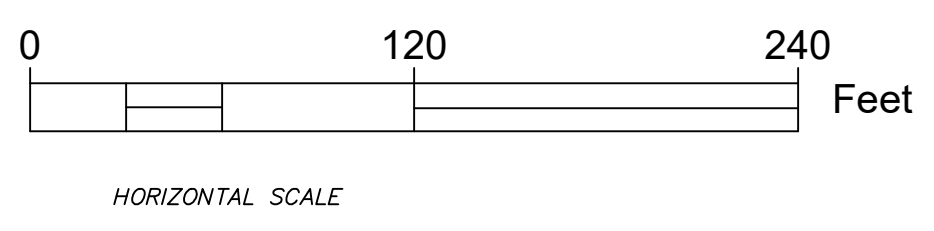
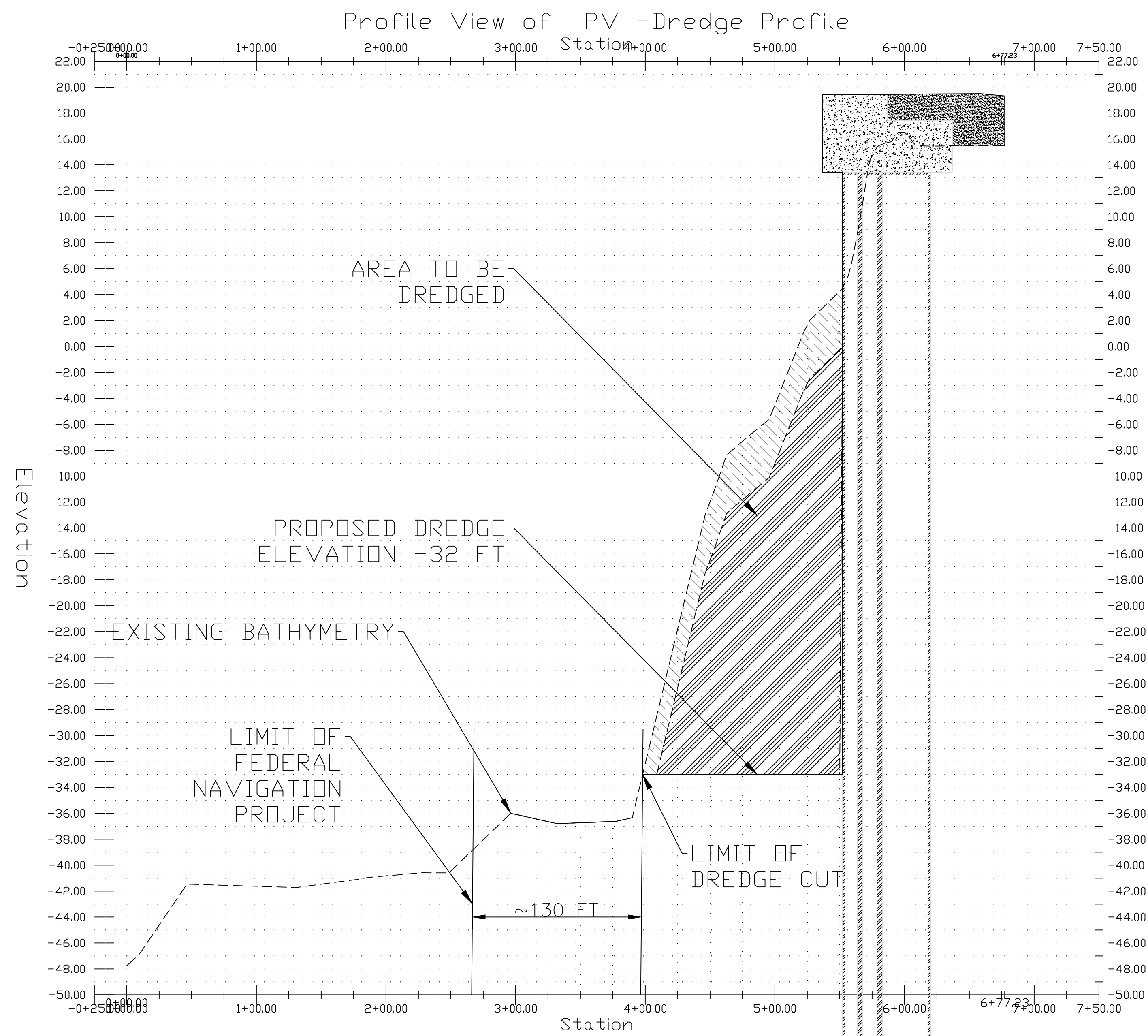
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DATE	SEPTEMBER 2020
DRAWING SCALE	1"=60'



SHEET TITLE
**DREDGE AREA
 STA 10+48
 CROSS-SECTIONS**

DRAWING NO.
PD-3

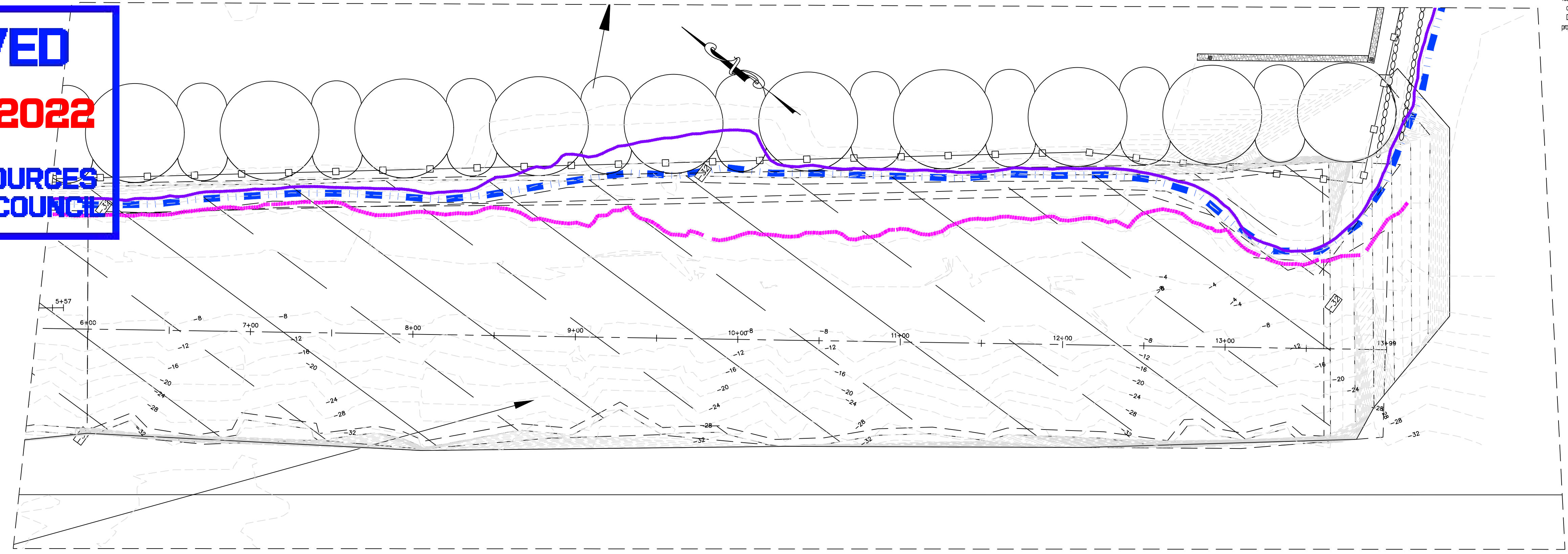
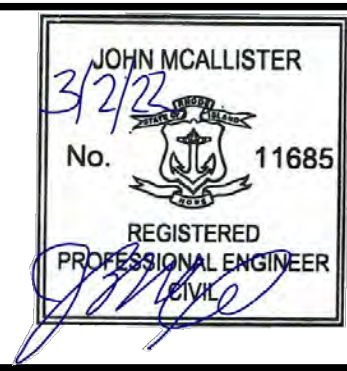


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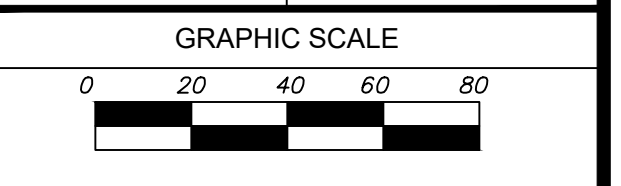


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NO.	DATE	DESCRIPTION	BY
5	3/2/2022	REVISIONS FOR ASSENT	JBM
4	6/24/2021	ASSENT PACKAGE	JBM
3	5/12/2021	UPDATE BATHY	JBM
2	3/11/2021	USAGE CHANNEL LIMITS	JBM
1	11/2/2020	UPDATED BATHY	JBM

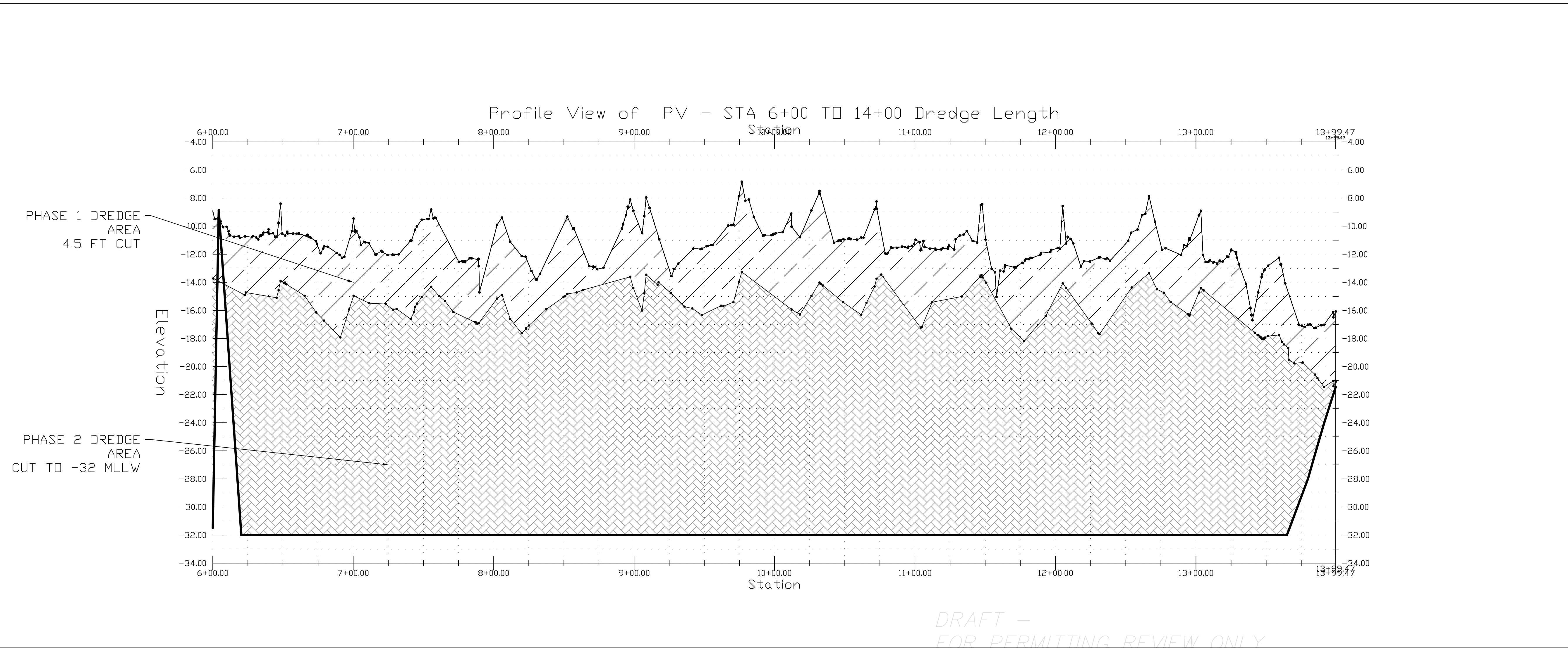
PROJECT NO.	
CADD FILE	
DESIGNED BY	JBM
DRAWN BY	
CHECKED BY	JAB
DATE	SEPTEMBER 2020
DRAWING SCALE	1" = 40'



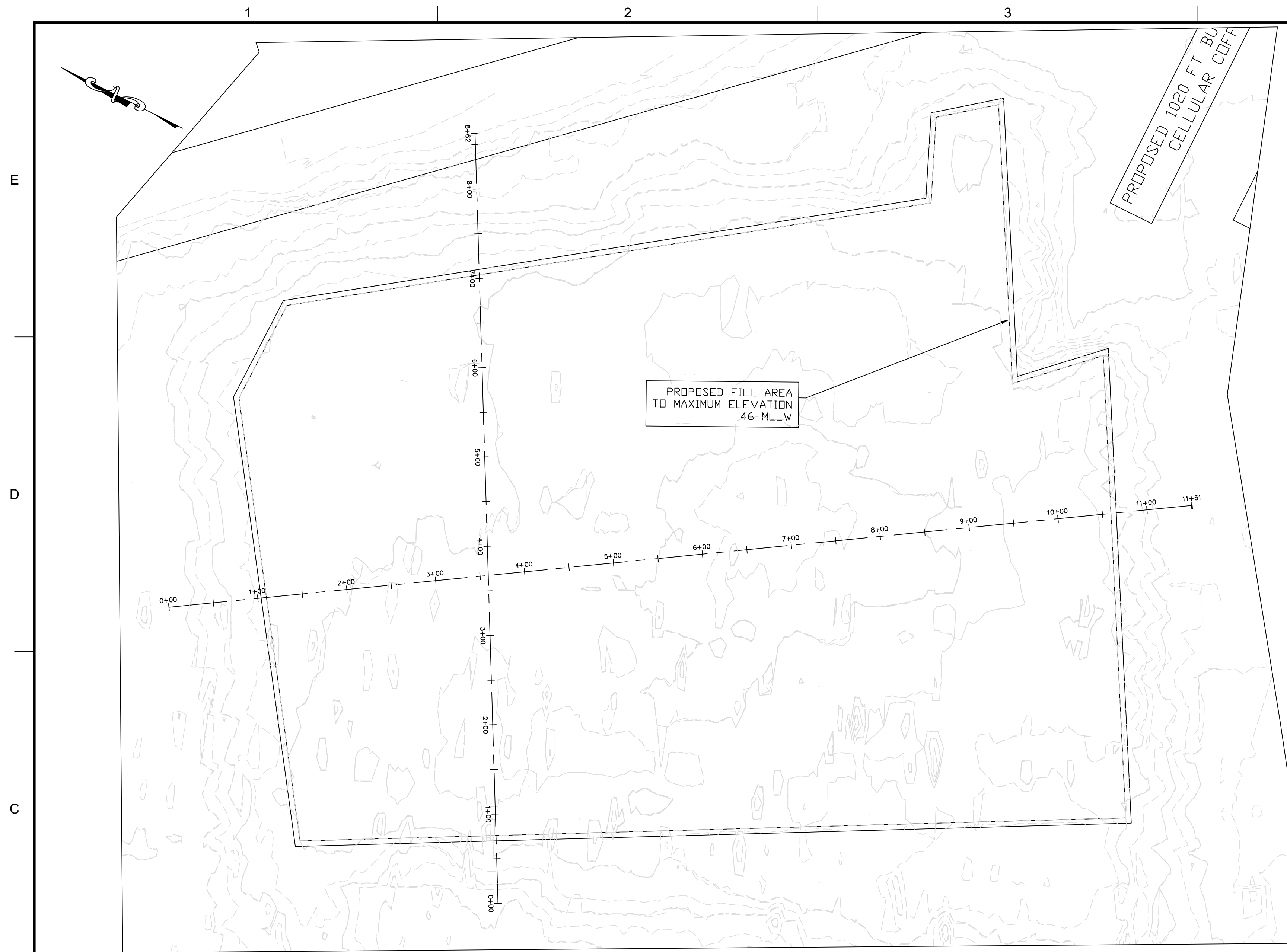
SHEET TITLE
**PROPOSED
 STA 6+00 TO 14+00
 DREDGE PLAN
 AND PROFILE**

DRAWING NO.
PD-4

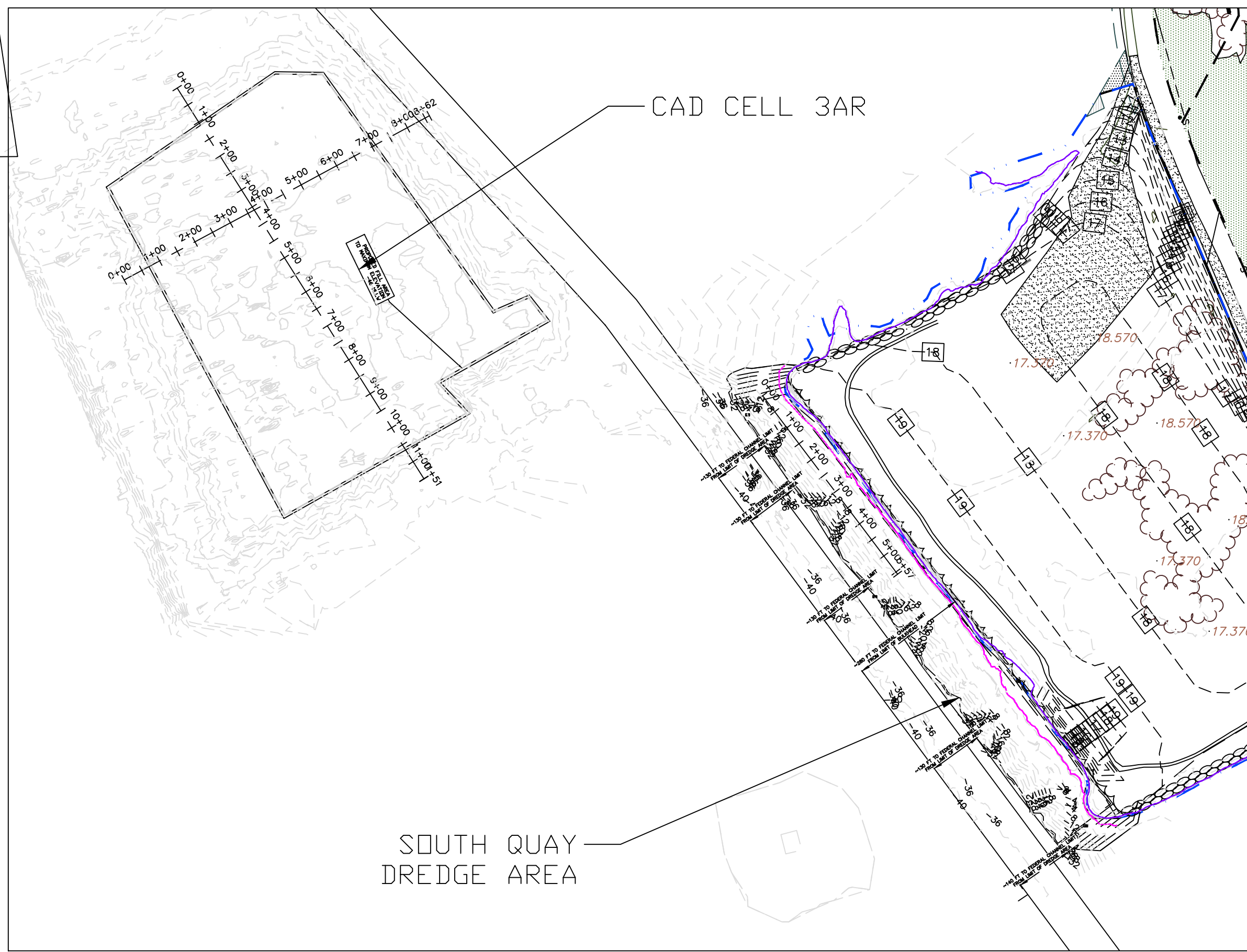
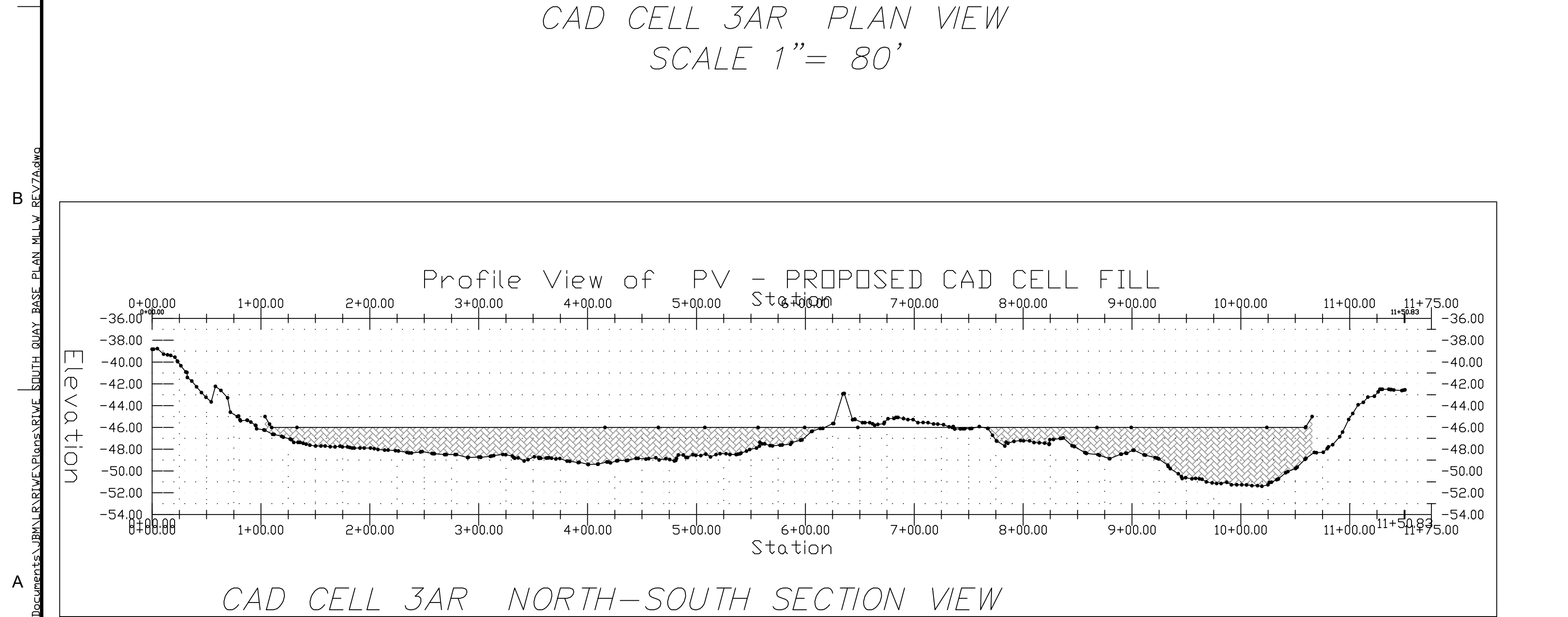
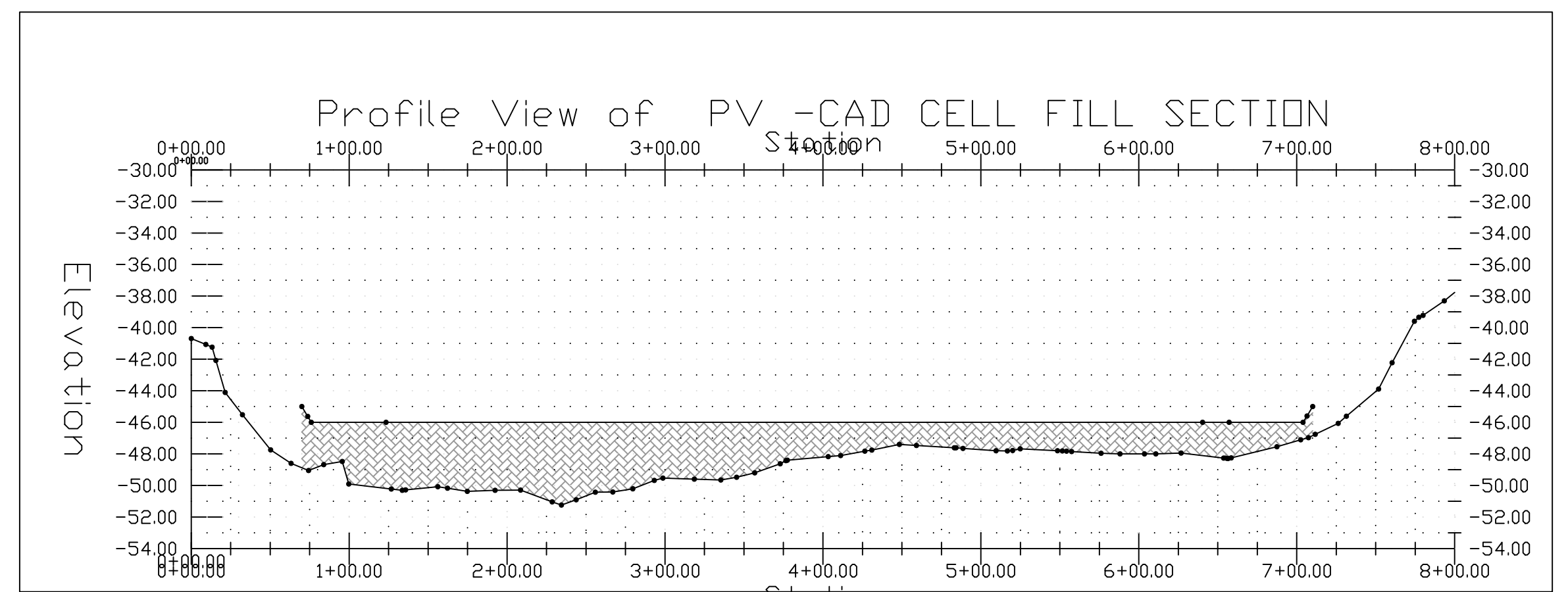
12 OF 33



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MANAGEMENT COUNCIL**



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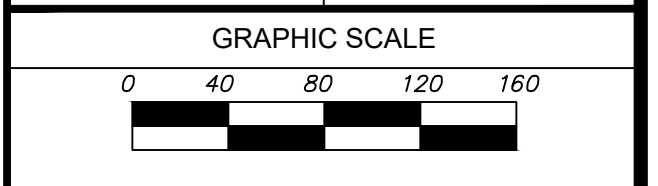
JOHN MCALLISTER
No. 11685
REGISTERED PROFESSIONAL ENGINEER

PROJECT
**SOUTH QUAY
PROPOSED SITE
REDEVELOPMENT PROJECT**

OWNER
RI WATERFRONT ENTERPRISES, LLC
564 SOUTH WATER STREET
PROVIDENCE, RI 02903

NO.	DATE	DESCRIPTION	BY
5	3/2/2022	REVISIONS FOR ASSENT	JBM
4	6/24/2021	ASSENT PACKAGE	JBM
3	5/12/2021	UPDATE BATHY	JBM
2	3/11/2021	USACE CHANNEL LIMITS	JBM
1	11/2/2020	UPDATED BATHY	JBM

PROJECT NO.	
CADD FILE	
DESIGNED BY	JBM
DRAWN BY	
CHECKED BY	JAB
DATE	SEPTEMBER 2020
DRAWING SCALE	1" = 80'



SHEET TITLE
**PROPOSED
CAD CELL 3AR
FILL PLAN
AND PROFILE**

DRAWING NO.
PD-6

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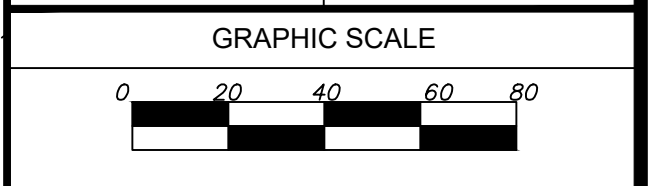
JOHN MCALLISTER
No. 11685
REGISTERED PROFESSIONAL ENGINEER

PROJECT
**SOUTH QUAY
PROPOSED SITE
REDEVELOPMENT PROJECT**

OWNER
RI WATERFRONT ENTERPRISES, LLC
564 SOUTH WATER STREET
PROVIDENCE, RI 02903

NO.	DATE	DESCRIPTION	BY
5	3/2/2022	REVISIONS FOR ASSENT	JBM
4	1/13/2022	SLOPE TO ROAD	JBM
3	6/24 /2021	ASSENT PACKAGE	JBM
2	3/11/2021	USACE CHANNEL LIMITS	JBM
1	11/2/2020	UPDATED BATHY	JBM

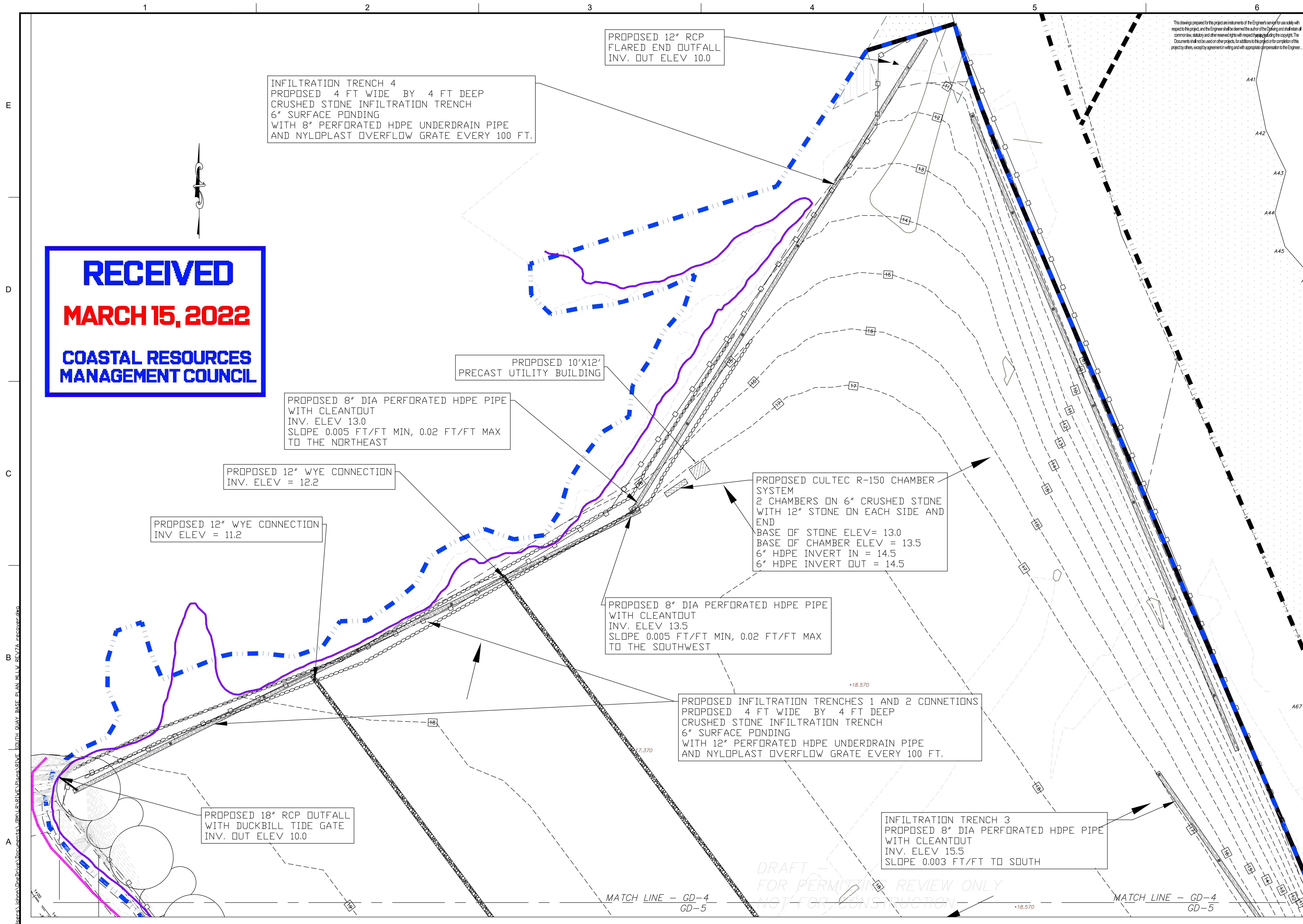
PROJECT NO.	
CADD FILE	
DESIGNED BY	JBM
DRAWN BY	
CHECKED BY	JAB
DATE	SEPTEMBER 2020
DRAWING SCALE	1" = 40'



SHEET TITLE
**GRADING
AND DRAINAGE
PLAN**

DRAWING NO.
GD-4

18 OF 33



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MANAGEMENT COUNCIL**

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MATCH LINE - GD-4
GD-5

MATCH LINE - GD-4
GD-5

PLOT SCALE 1/16"=1'-0"

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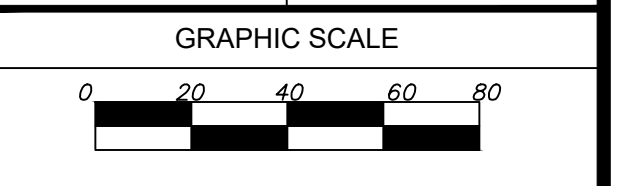


PROJECT
SOUTH QUAY PROPOSED SITE REDEVELOPMENT PROJECT

OWNER
**RI WATERFRONT ENTERPRISES, LLC
 564 SOUTH WATER STREET
 PROVIDENCE, RI 02903**

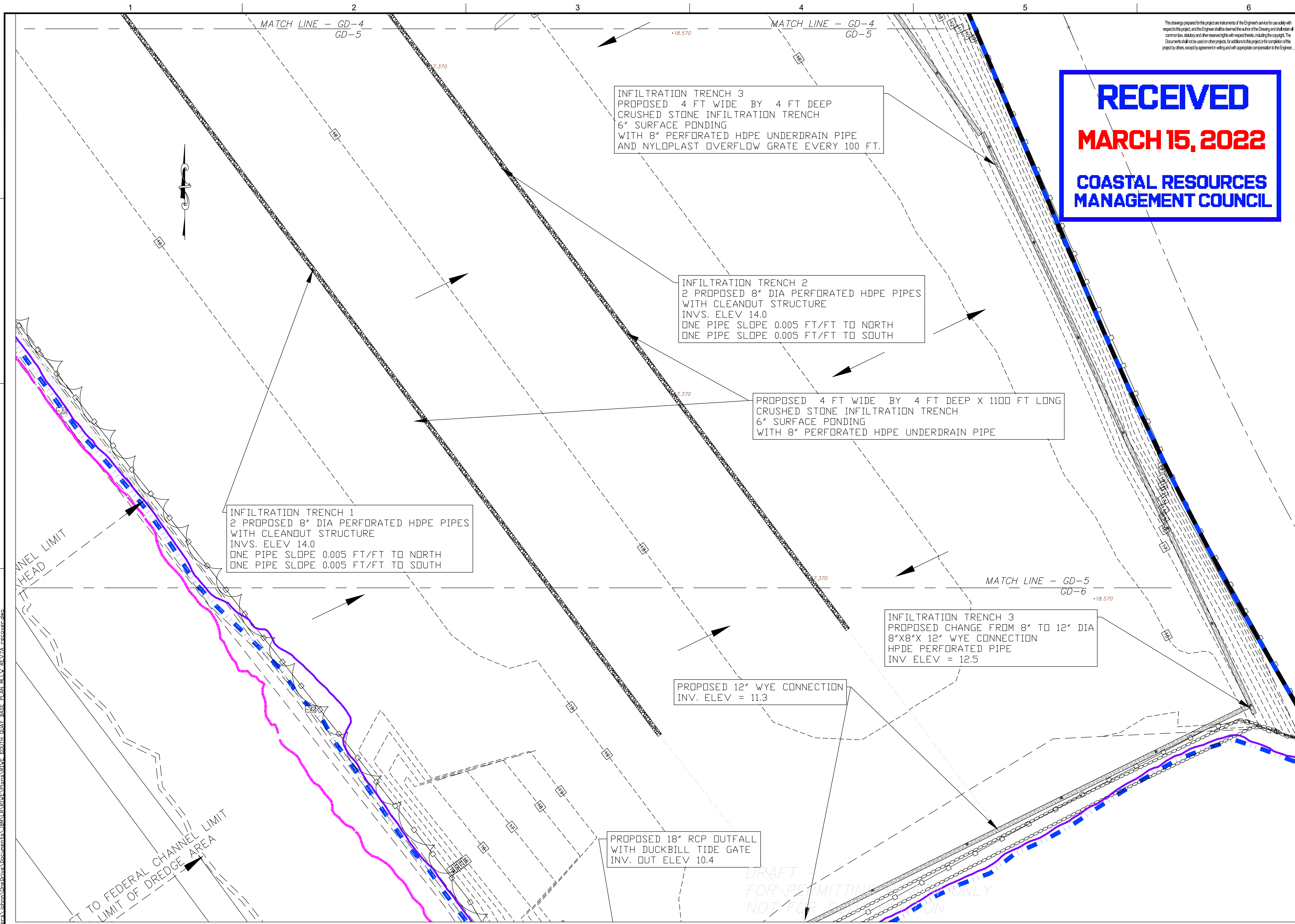
NO.	DATE	DESCRIPTION	BY
4	3/2/2022	REVISIONS FOR ASSENT	JBM
3	6/24 /2021	ASSENT PACKAGE	JBM
2	3/11/2021	USACE CHANNEL LIMITS	JBM
1	11/2/2020	UPDATED BATHY	JBM

PROJECT NO.	
CADD FILE	
DESIGNED BY	JBM
DRAWN BY	
CHECKED BY	JAB
DATE	SEPTEMBER 2020
DRAWING SCALE	1" = 40'



SHEET TITLE
GRADING AND DRAINAGE PLAN

DRAWING NO.
GD-5



INFILTRATION TRENCH 3
 PROPOSED 4 FT WIDE BY 4 FT DEEP
 CRUSHED STONE INFILTRATION TRENCH
 6" SURFACE PONDING
 WITH 8" PERFORATED HDPE UNDERDRAIN PIPE
 AND NYLOPLAST OVERFLOW GRATE EVERY 100 FT.

INFILTRATION TRENCH 2
 2 PROPOSED 8" DIA PERFORATED HDPE PIPES
 WITH CLEANOUT STRUCTURE
 INVS. ELEV 14.0
 ONE PIPE SLOPE 0.005 FT/FT TO NORTH
 ONE PIPE SLOPE 0.005 FT/FT TO SOUTH

PROPOSED 4 FT WIDE BY 4 FT DEEP X 1100 FT LONG
 CRUSHED STONE INFILTRATION TRENCH
 6" SURFACE PONDING
 WITH 8" PERFORATED HDPE UNDERDRAIN PIPE

INFILTRATION TRENCH 1
 2 PROPOSED 8" DIA PERFORATED HDPE PIPES
 WITH CLEANOUT STRUCTURE
 INVS. ELEV 14.0
 ONE PIPE SLOPE 0.005 FT/FT TO NORTH
 ONE PIPE SLOPE 0.005 FT/FT TO SOUTH

INFILTRATION TRENCH 3
 PROPOSED CHANGE FROM 8" TO 12" DIA
 8"x8"x 12" WYE CONNECTION
 HPDE PERFORATED PIPE
 INV ELEV = 12.5

PROPOSED 12" WYE CONNECTION
 INV. ELEV = 11.3

PROPOSED 18" RCP OUTFALL
 WITH DUCKBILL TIDE GATE
 INV. OUT ELEV 10.4

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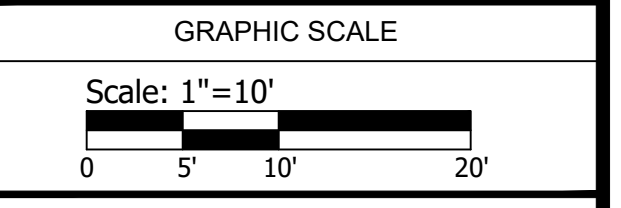


JOHN B. MCALLISTER, P.E.
 16 HOXIE AVENUE
 CHARLESTOWN, RI 02813

PROJECT
**SOUTH QUAY
 PROPOSED SITE
 REDEVELOPMENT PROJECT**

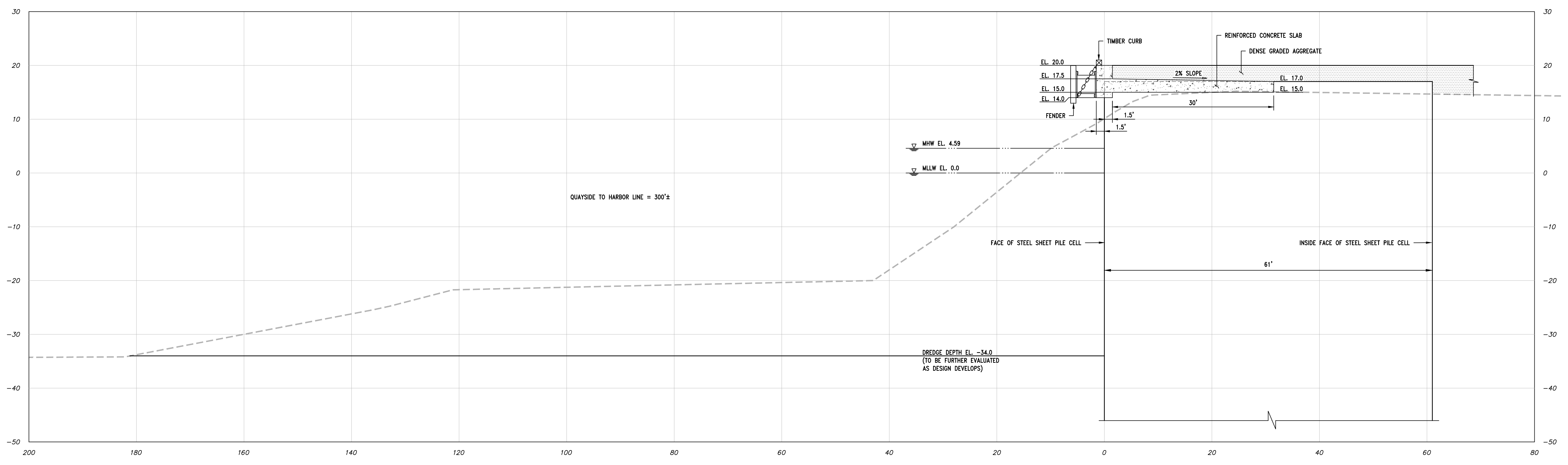
OWNER
 RHODE ISLAND WATERFRONT ENTERPRISES, LLC
 222 BERKELEY STREET
 BOSTON, MA 02116

NO.	DATE	DESCRIPTION	BY
PROJECT NO.			
CADD FILE			
DESIGNED BY		KWH	
DRAWN BY		LMC	
CHECKED BY		KWH	
DATE		SEPTEMBER 2020	
DRAWING SCALE		1" = 150'	

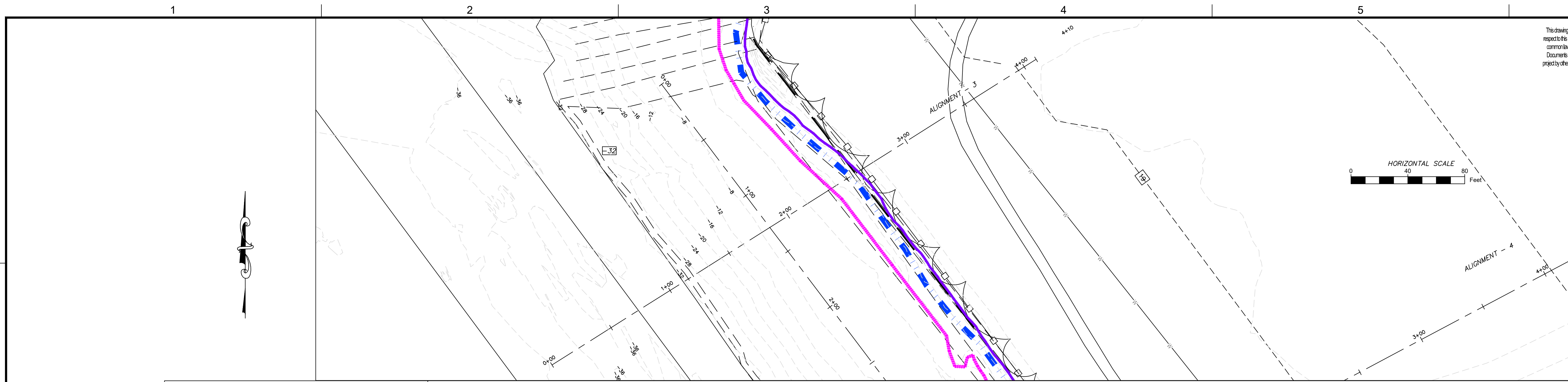


SHEET TITLE
**PROPOSED
 WATERFRONT
 SECTION**

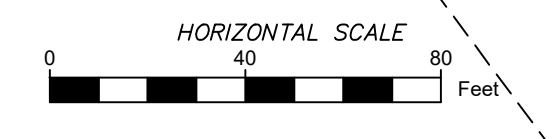
DRAWING NO.
W-2



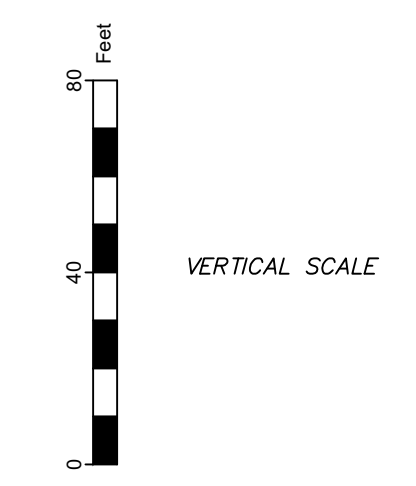
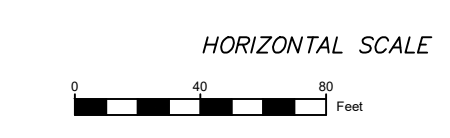
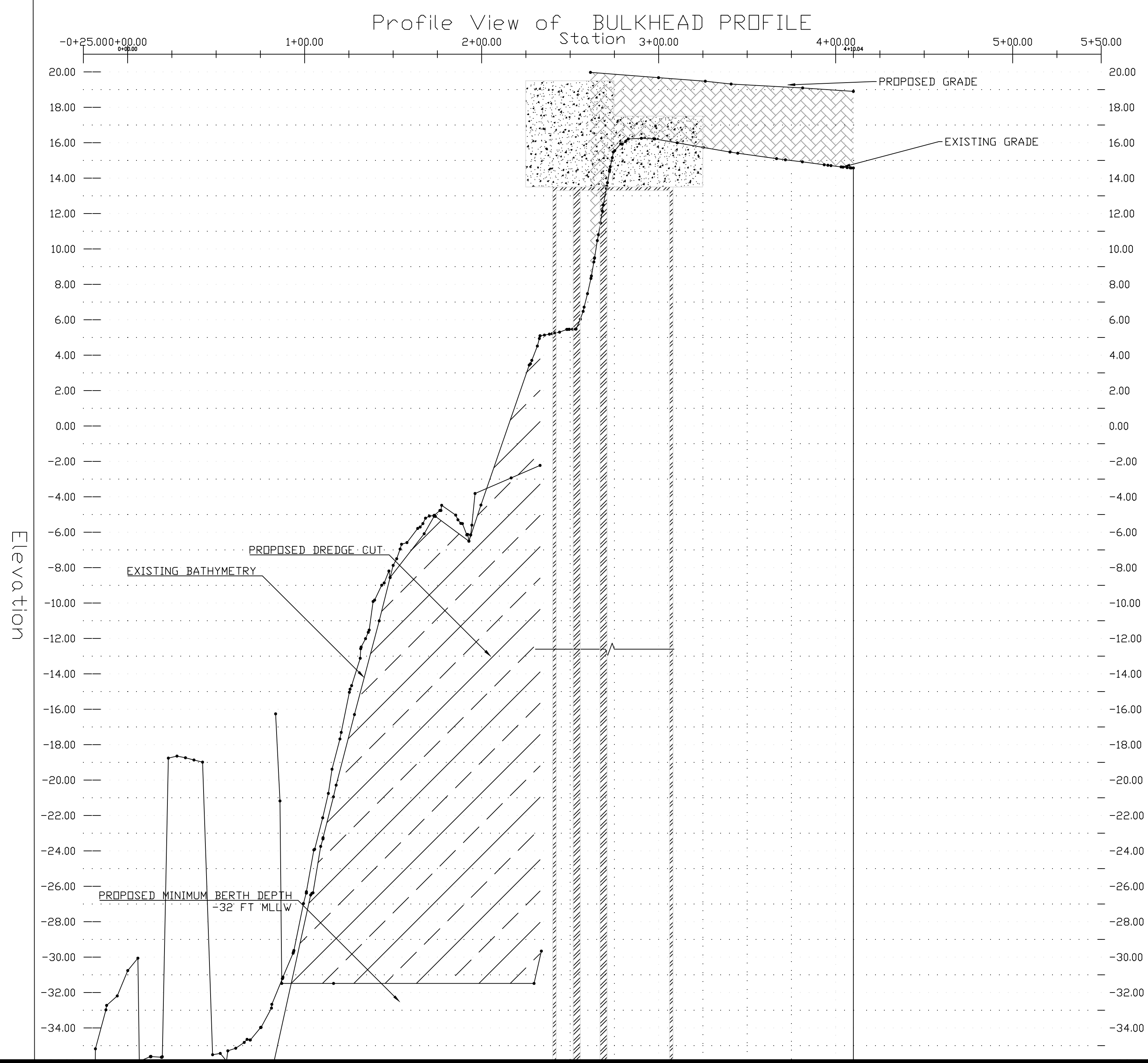
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PROJECT
**SOUTH QUAY
PROPOSED SITE
REDEVELOPMENT PROJECT**

OWNER
**RI WATERFRONT ENTERPRISES, LLC
564 SOUTH WATER STREET
PROVIDENCE, RI 02903**

NO.	DATE	DESCRIPTION	BY
4	3/2/2022	REVISIONS FOR ASSENT	JBM
3	6/24/2021	ASSENT PACKAGE	JBM
2	3/11/2021	USACE CHANNEL LIMITS	JBM
1	11/2/2020	UPDATED BATHY	JBM

PROJECT NO.	
CADD FILE	
DESIGNED BY	JBM
DRAWN BY	
CHECKED BY	JAB
DATE	SEPTEMBER 2020
DRAWING SCALE	AS NOTED

GRAPHIC SCALE

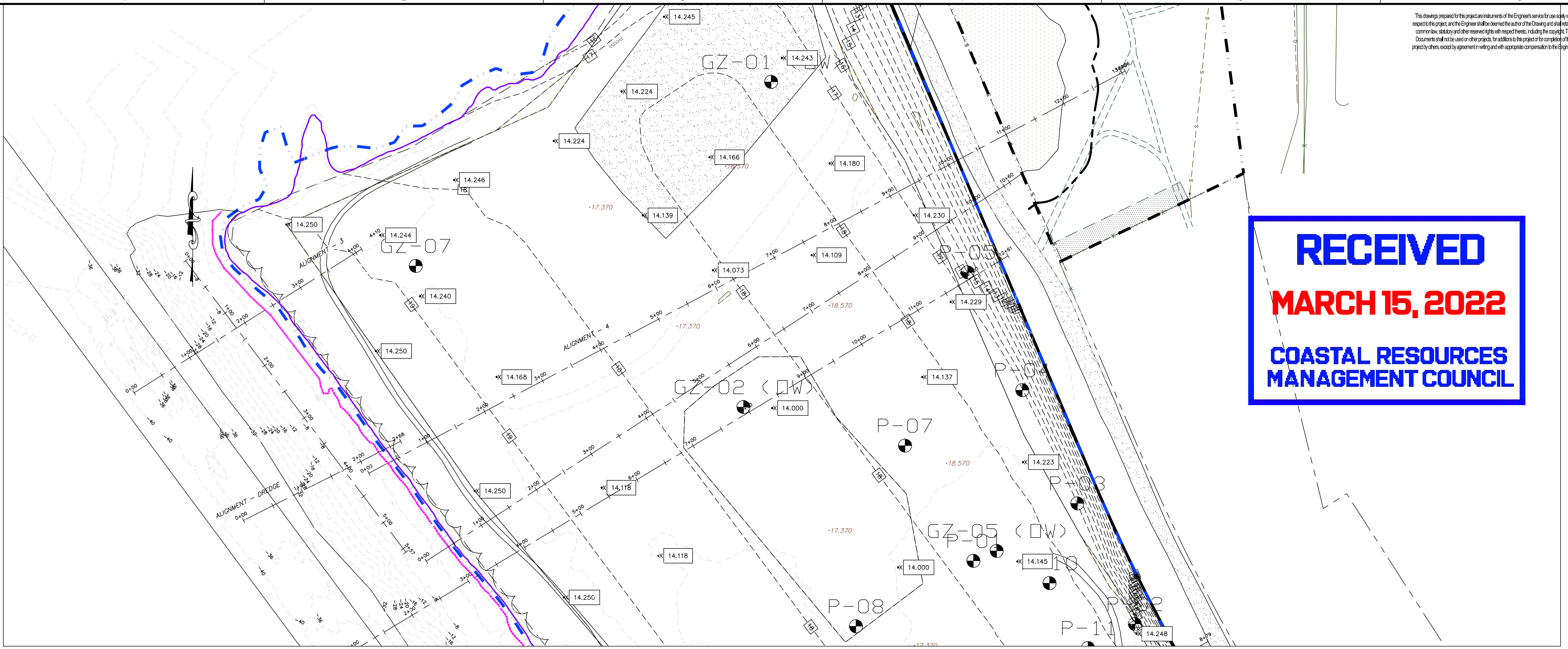
SHEET TITLE
**PROFILE
VIEW
CROSS-SECTIONS**

DRAWING NO.
XC-2

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PROJECT
**SOUTH QUAY
 PROPOSED SITE
 REDEVELOPMENT PROJECT**

OWNER
**RI WATERFRONT ENTERPRISES, LLC
 564 SOUTH WATER STREET
 BOSTON, MA 02116**

NO.	DATE	DESCRIPTION	BY
4	3/2/2022	REVISIONS FOR ASSENT	JBM
3	6/24/2021	ASSENT PACKAGE	JBM
2	3/11/2021	USACE CHANNEL LIMITS	JBM
1	11/2/2020	UPDATED BATHY	JBM

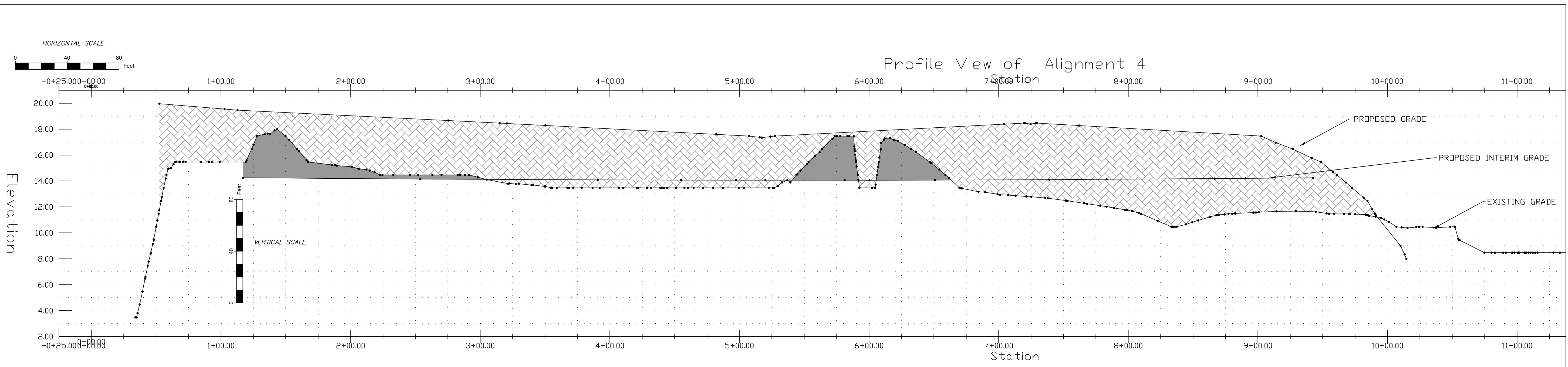
PROJECT NO.	
CADD FILE	
DESIGNED BY	JBM
DRAWN BY	
CHECKED BY	JAB
DATE	SEPTEMBER 2020
DRAWING SCALE	AS NOTED

GRAPHIC SCALE

SHEET TITLE
**PROFILE
 VIEW
 CROSS-SECTIONS**

DRAWING NO.
XC-3

26 OF 33



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PHASE 1 TEMPORARY
SEDIMENTATION BASINS
4 FT BERM X 22,500 SF TOTAL
BETWEEN TWO BASINS

PHASE 2 TEMPORARY
SEDIMENTATION BASIN
4 FT BERM X 51,800 SF

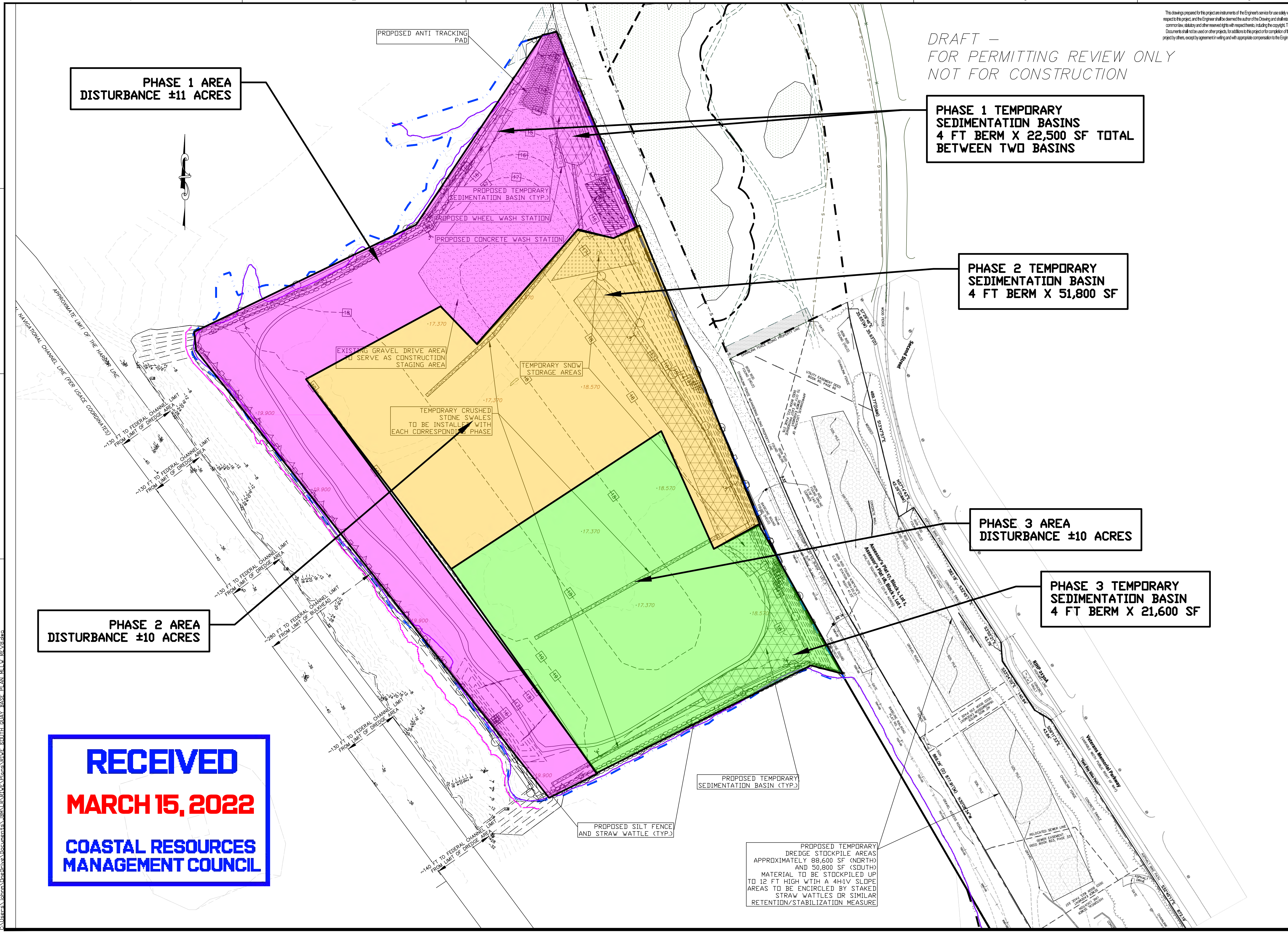
PHASE 3 AREA
DISTURBANCE ±10 ACRES

PHASE 3 TEMPORARY
SEDIMENTATION BASIN
4 FT BERM X 21,600 SF

PHASE 1 AREA
DISTURBANCE ±11 ACRES

PHASE 2 AREA
DISTURBANCE ±10 ACRES

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MANAGEMENT COUNCIL**

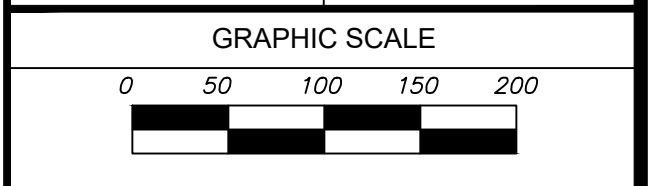


PROJECT
**SOUTH QUAY
PROPOSED SITE
REDEVELOPMENT PROJECT**

OWNER
RI WATERFRONT ENTERPRISES, LLC
564 SOUTH WATER STREET
PROVIDENCE, RI 02903

NO.	DATE	DESCRIPTION	BY
4	3/2/2022	REVISIONS FOR ASSENT	JBM
3	6/24/2021	ASSENT EDITS	JBM
2	3/11/2021	USACE CHANNEL LIMITS	JBM
1	11/2/2020	UPDATED BATHY	JBM

PROJECT NO.	
CADD FILE	
DESIGNED BY	JBM
DRAWN BY	
CHECKED BY	JAB
DATE	SEPTEMBER 2020
DRAWING SCALE	1" = 100'



SHEET TITLE
**EROSION
AND SEDIMENT
CONTROL PLAN
PHASING**

DRAWING NO.
ESC-2

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GZA

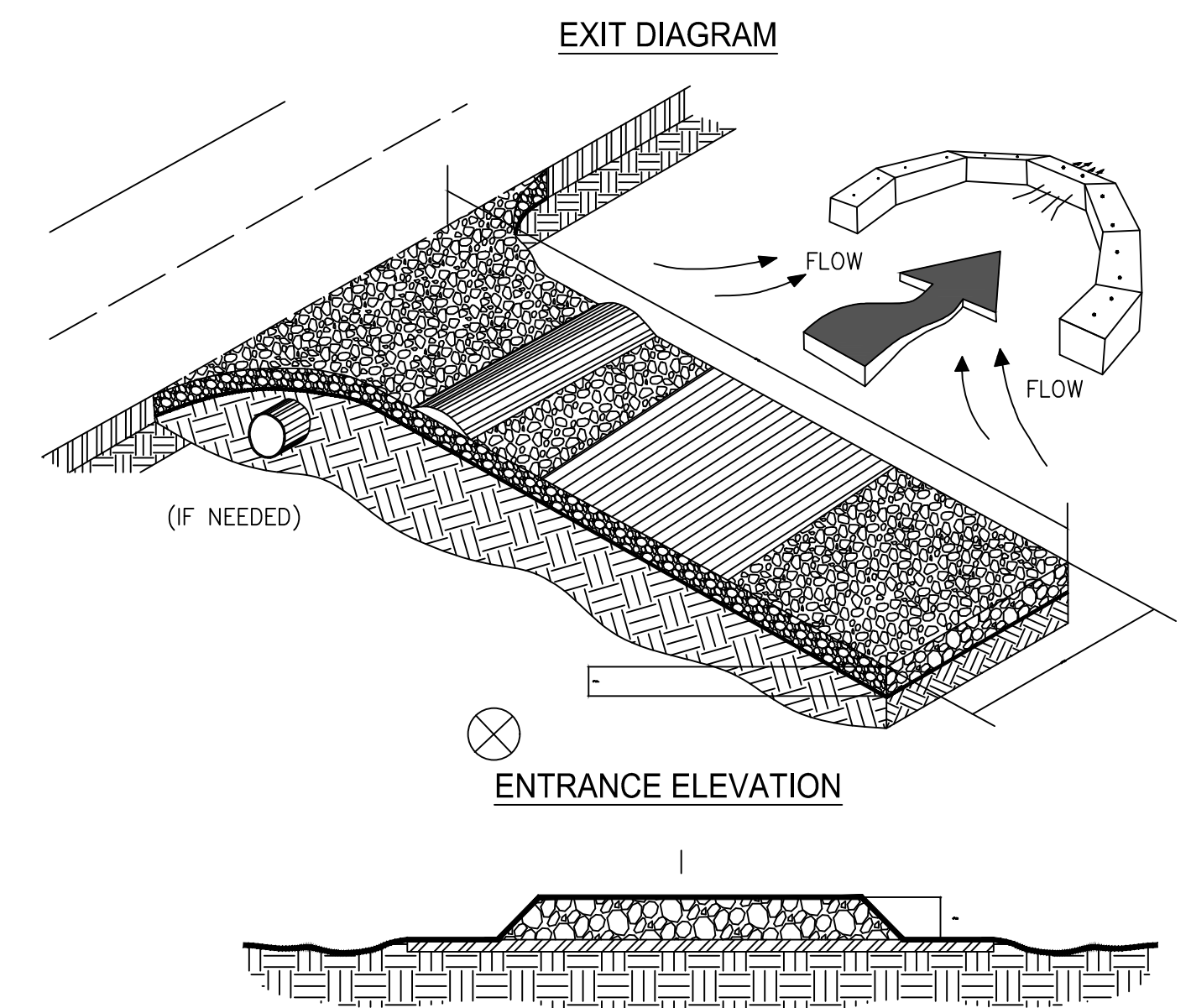
PARE CORPORATION

MCallister MARINE ENGINEERING

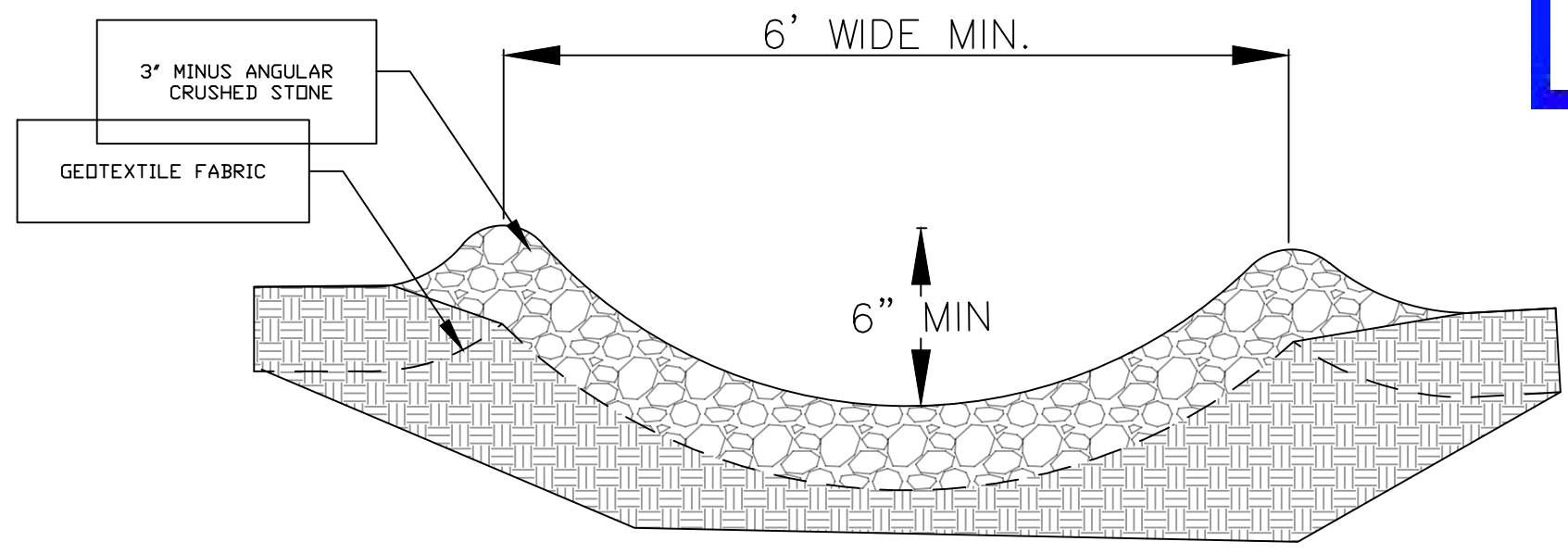
JOHN MCALLISTER
No. 11685
REGISTERED PROFESSIONAL ENGINEER

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COASTAL RESOURCES MANAGEMENT COUNCIL

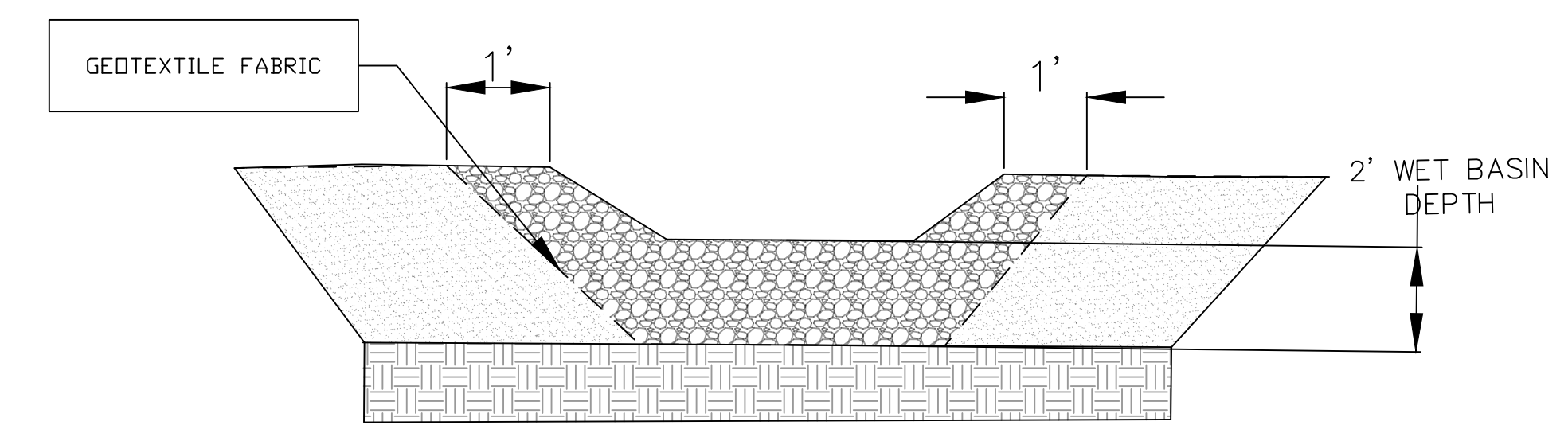
CRUSHED STONE CONSTRUCTION EXIT



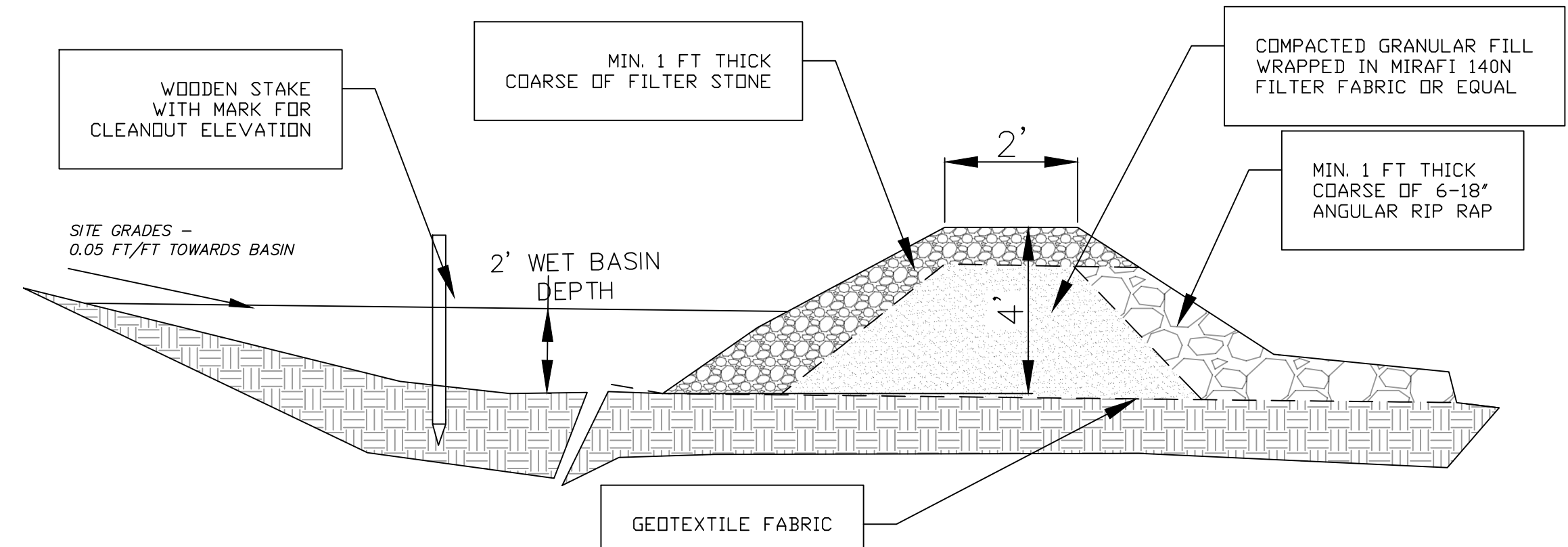
- NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
 2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
 3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
 4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
 5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
 6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
 7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
 8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
 9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
 10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.



TEMPORARY CRUSHED STONE SWALE
TYPICAL PROFILE DETAIL
NOT TO SCALE



TEMPORARY SEDIMENTATION TRAP
TYPICAL PROFILE DETAIL
NOT TO SCALE



TEMPORARY SEDIMENTATION BASIN
TYPICAL PROFILE DETAIL
NOT TO SCALE

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NOT FOR CONSTRUCTION

PROJECT: SOUTH QUAY PROPOSED SITE REDEVELOPMENT PROJECT

OWNER: RI WATERFRONT ENTERPRISES, LLC
564 SOUTH WATER STREET
PROVIDENCE, RI 02903

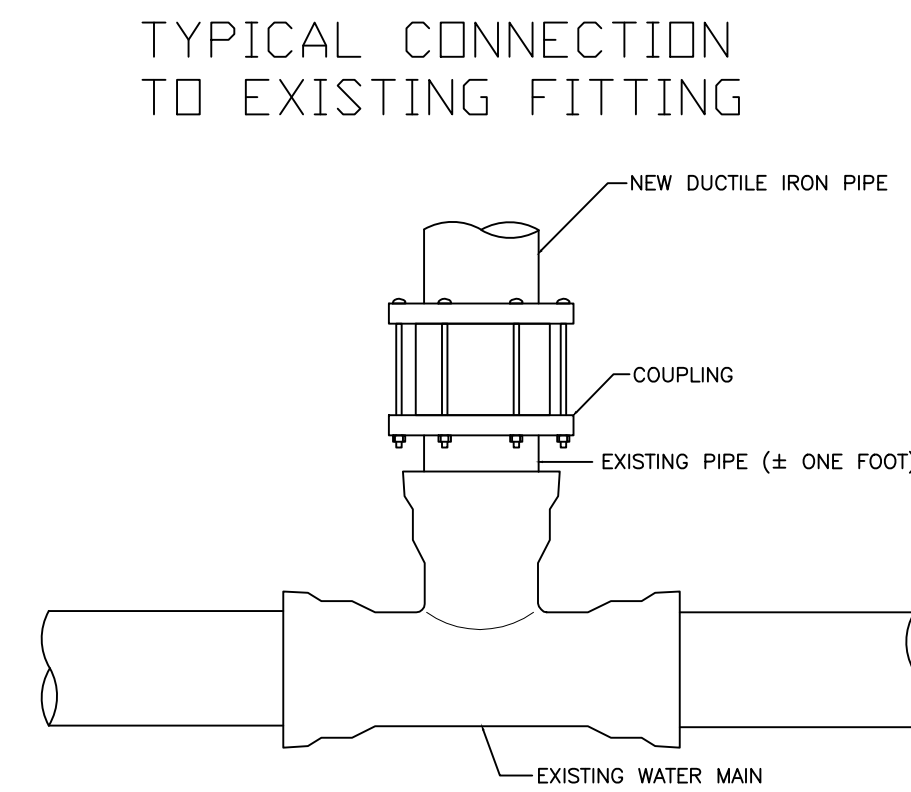
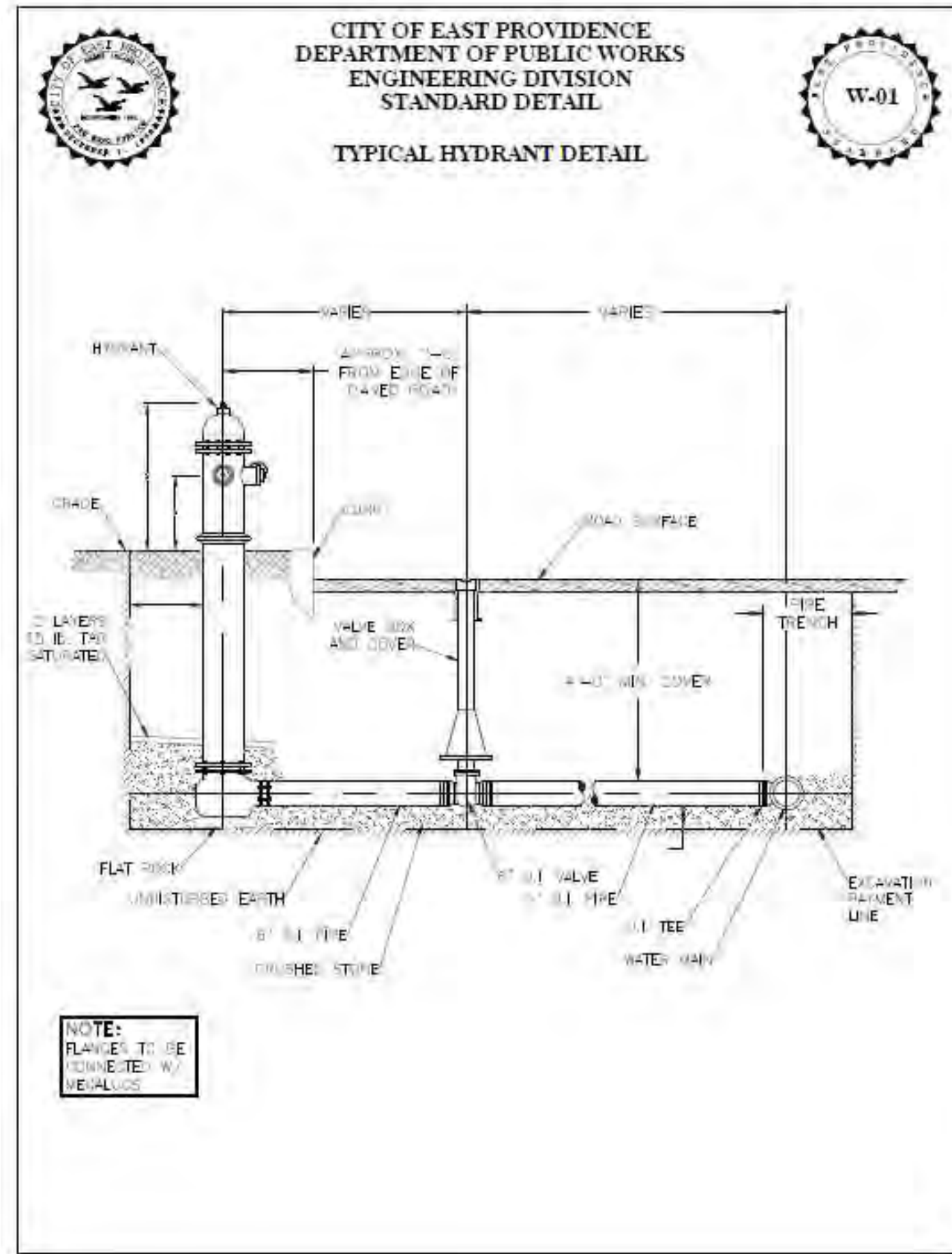
NO.	DATE	DESCRIPTION	BY
4	3/2/2022	REVISIONS FOR ASSENT	JBM
3	6/24/2021	ASSENT EDITS	JBM
2	3/11/2021	USACE CHANNEL LIMITS	JBM
1	11/2/2020	UPDATED BATHY	JBM

PROJECT NO.	
CADD FILE	
DESIGNED BY	JBM
DRAWN BY	
CHECKED BY	JAB
DATE	SEPTEMBER 2020
DRAWING SCALE	AS NOTED

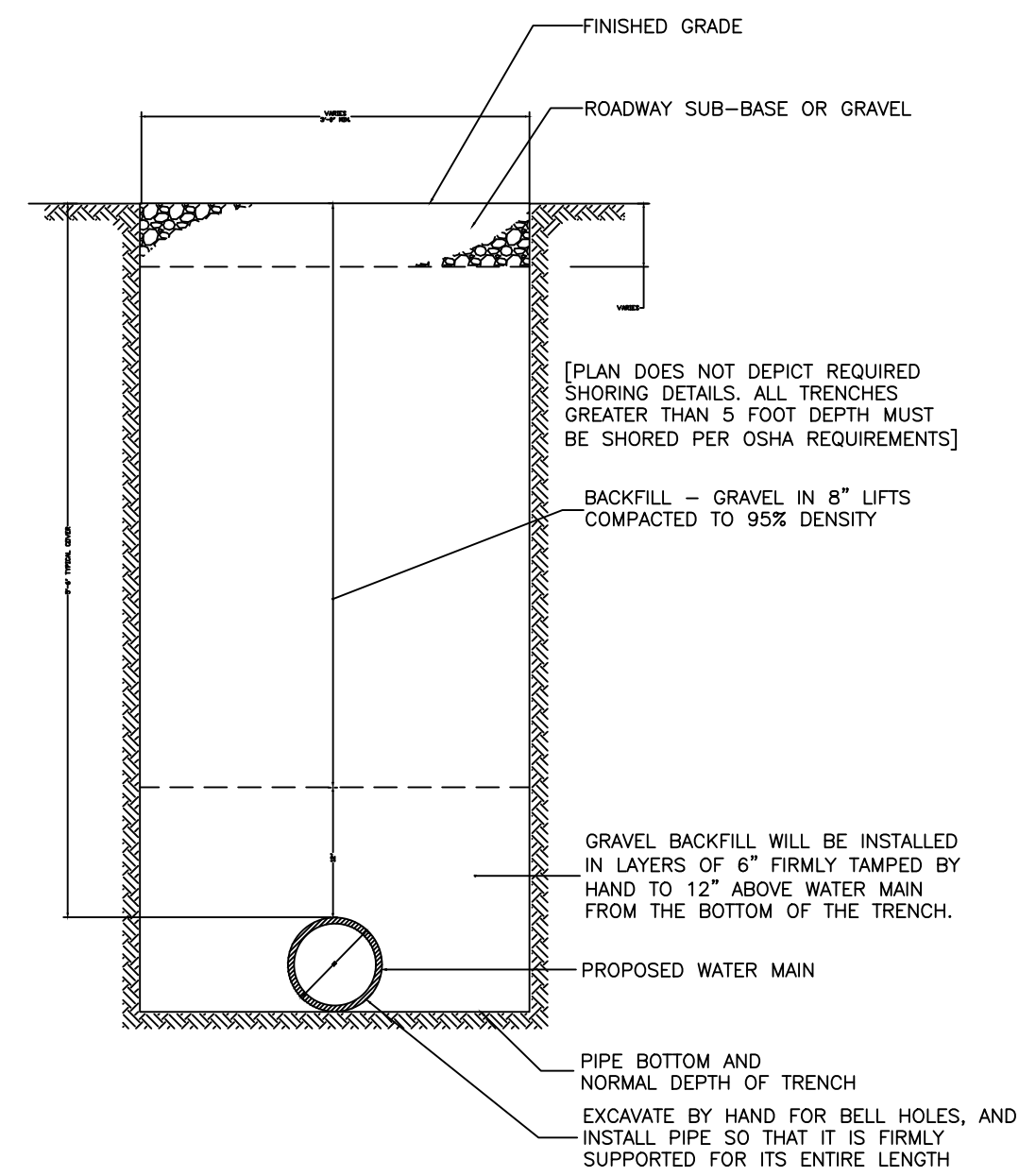
GRAPHIC SCALE

SHEET TITLE
EROSION AND SEDIMENT CONTROL PLAN DETAILS

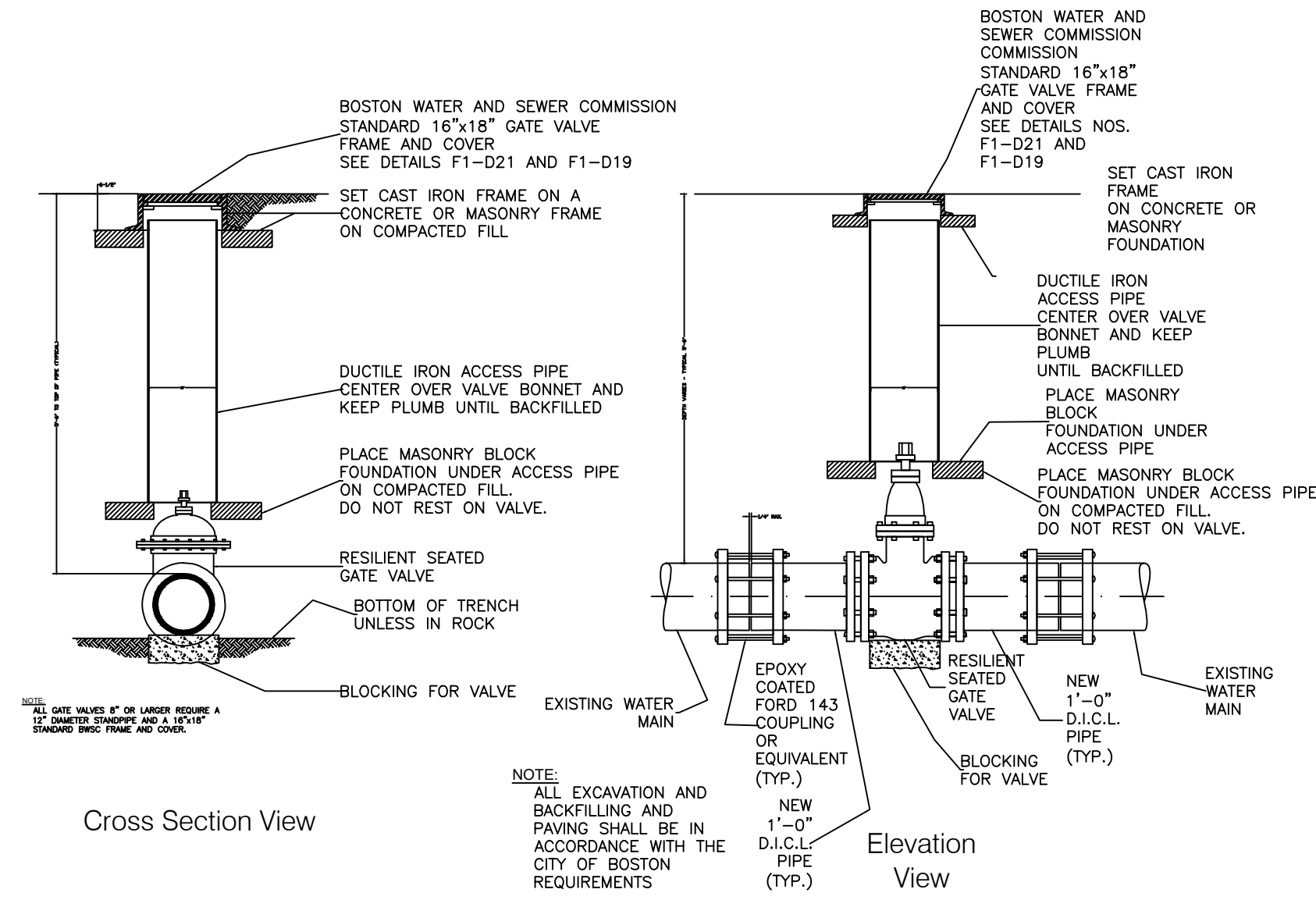
DRAWING NO.
ESC-3



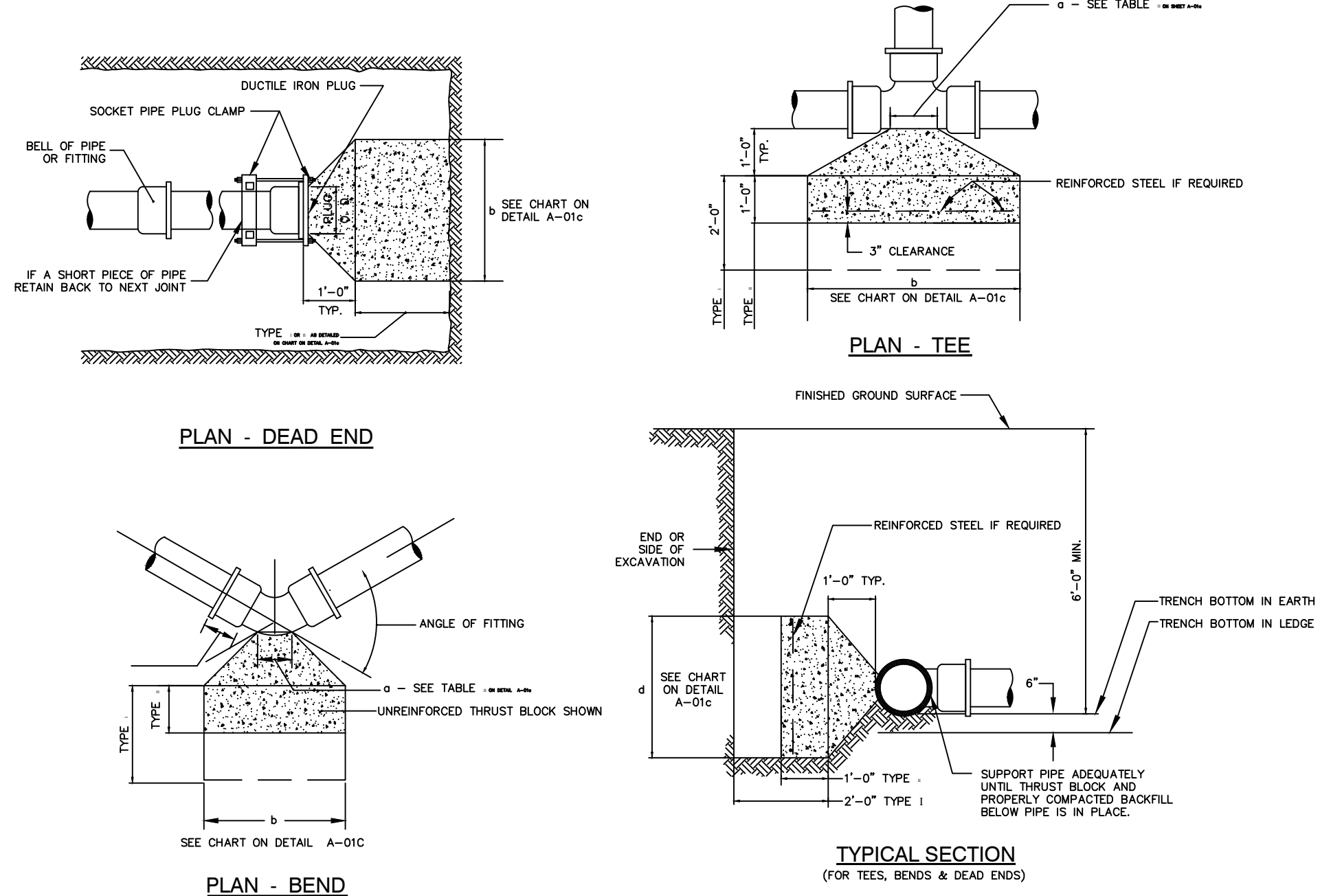
TYPICAL TRENCH DETAIL OF WATER MAIN IN FIRM GROUND



TRENCH FOR SIZES 20-INCH AND SMALLER



TYPICAL THRUST RESTRAINT



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PARE CORPORATION
MCallister Marine Engineering

JOHN MCALLISTER
No. 11685
REGISTERED PROFESSIONAL ENGINEER

PROJECT
SOUTH QUAY PROPOSED SITE REDEVELOPMENT PROJECT
OWNER
RI WATERFRONT ENTERPRISES, LLC
564 SOUTH WATER STREET
PROVIDENCE, RI 02903

NO.	DATE	DESCRIPTION	BY
4	3/2/2022	REVISIONS FOR ASSENT	JBM
3	6/24/2021	ASSENT EDITS	JBM
2	3/11/2021	USACE CHANNEL LIMITS	JBM
1	11/2/2020	UPDATED BATHY	JBM

PROJECT NO.	
CADD FILE	
DESIGNED BY	JBM
DRAWN BY	
CHECKED BY	JAB
DATE	SEPTEMBER 2020
DRAWING SCALE	AS NOTED

GRAPHIC SCALE	
SHEET TITLE	
DETAIL	
DRAWING NO.	
D-1	
30 OF 33	

PLOT SCALE 1/16"=1'-0"

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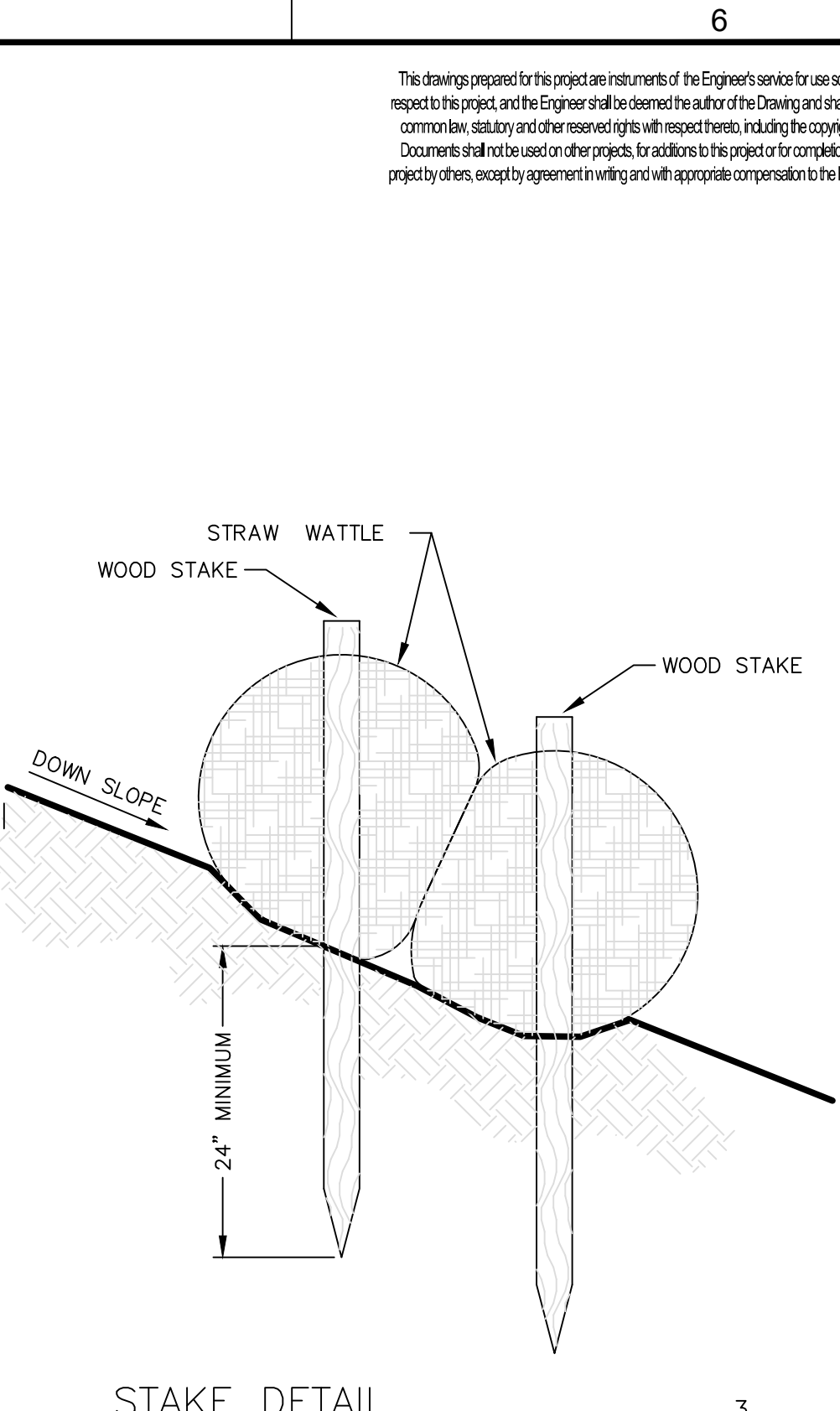
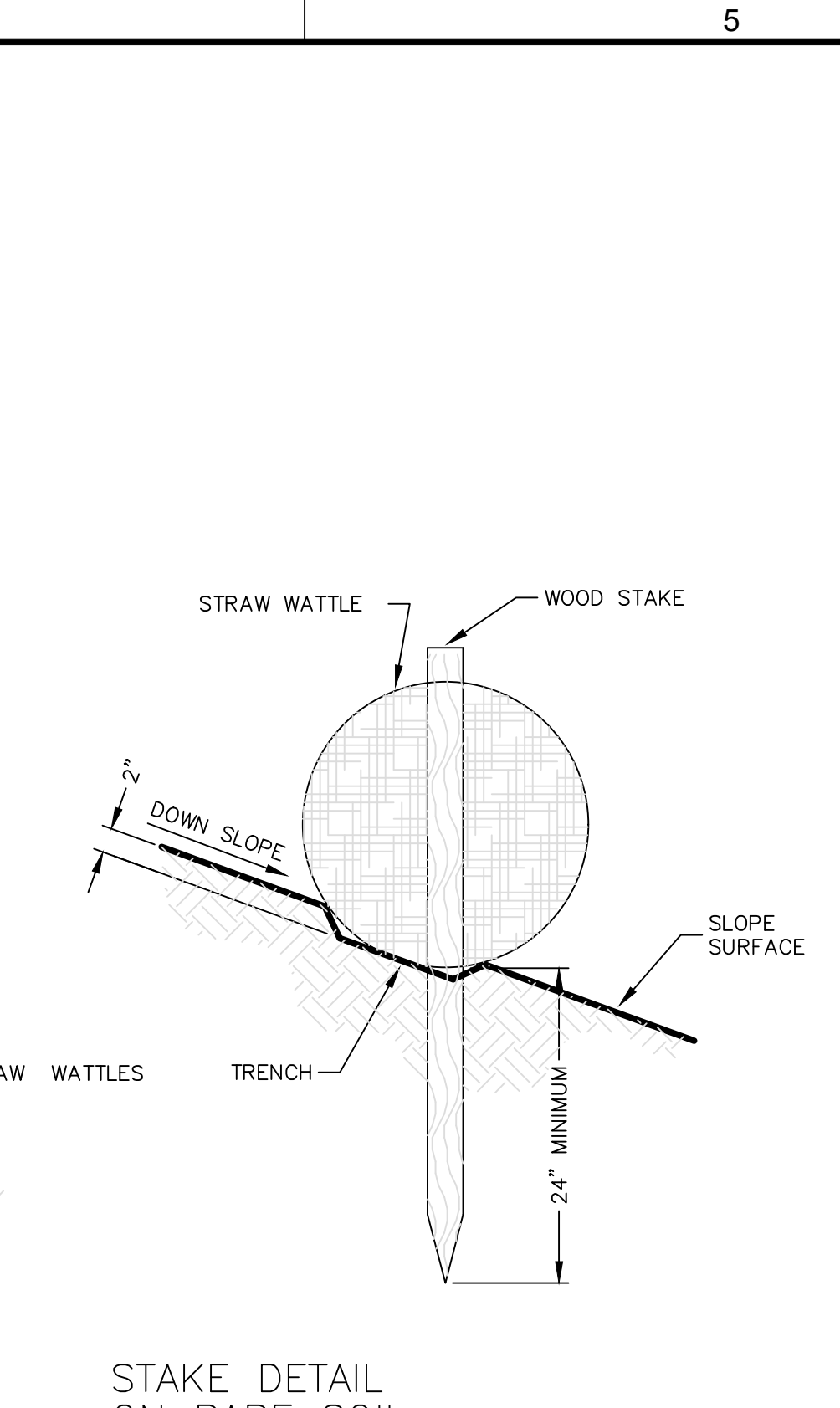
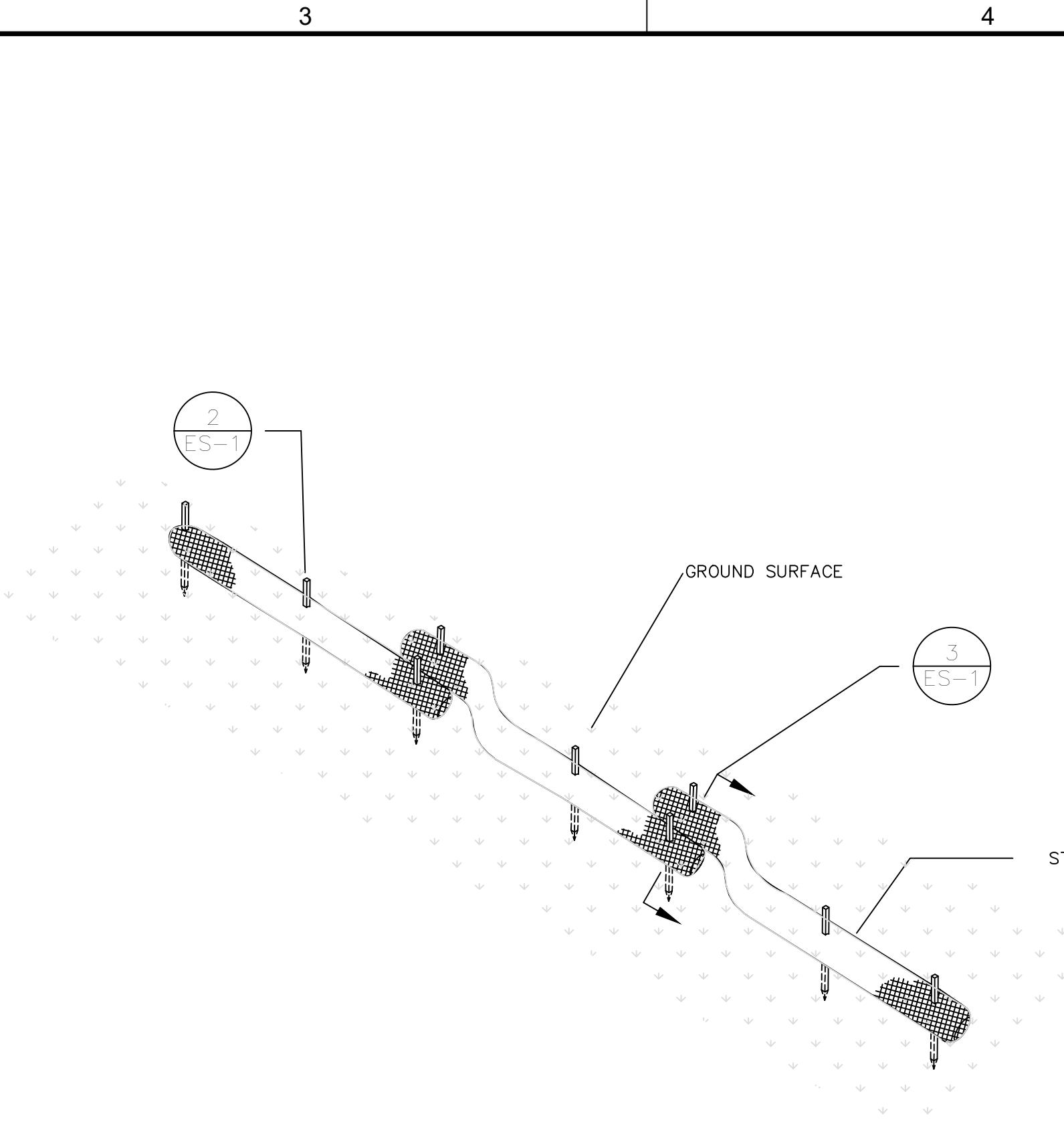
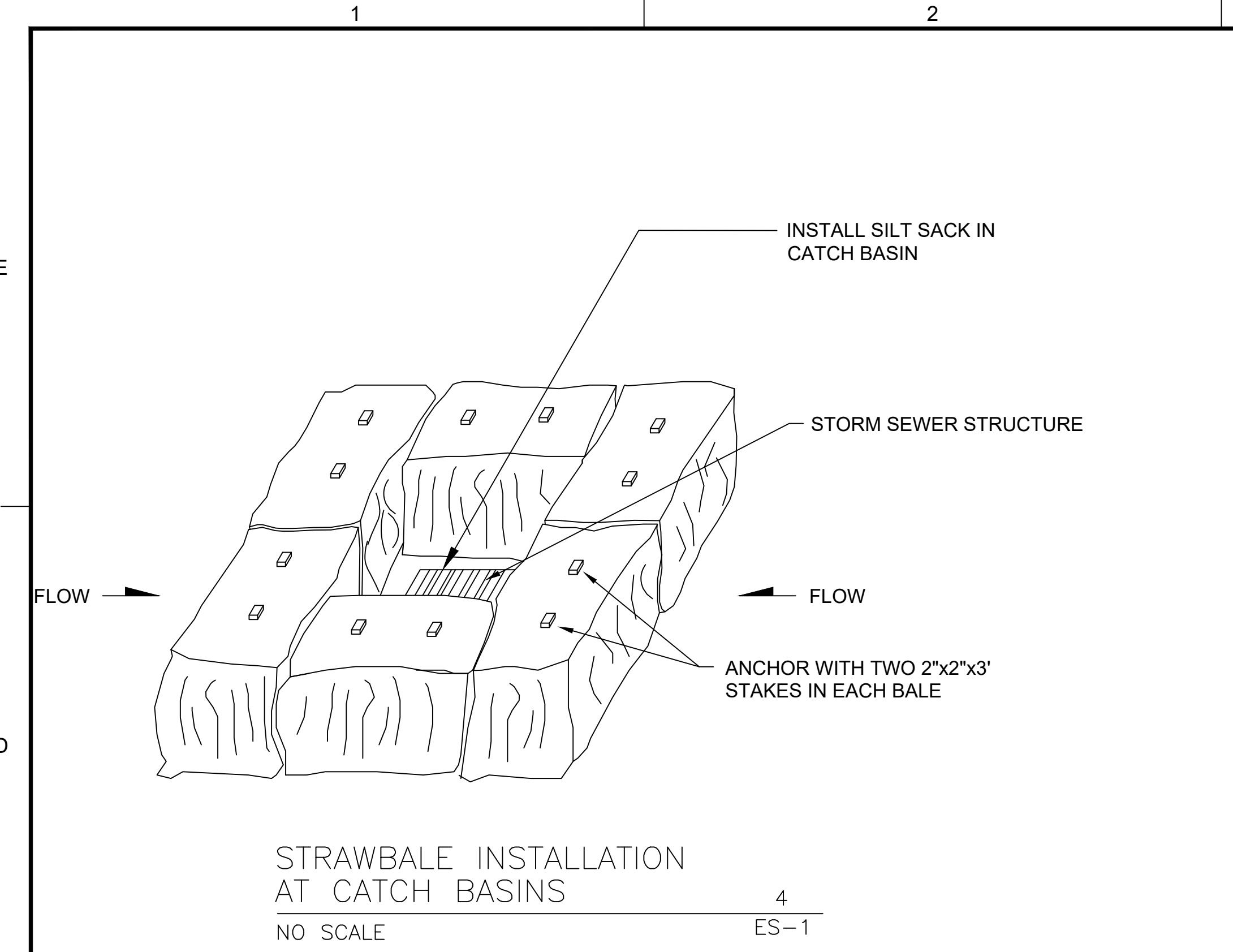
PROJECT
**SOUTH QUAY
 PROPOSED SITE
 REDEVELOPMENT PROJECT**
 OWNER
 RI WATERFRONT ENTERPRISES, LLC
 564 SOUTH WATER STREET
 PROVIDENCE, RI 02903

NO.	DATE	DESCRIPTION	BY
4	3/2/2022	REVISIONS FOR ASSENT	JBM
3	6/24/2021	ASSENT EDITS	JBM
2	3/11/2021	USAGE CHANNEL LIMITS	JBM
1	11/2/2020	UPDATED BATHY	JBM

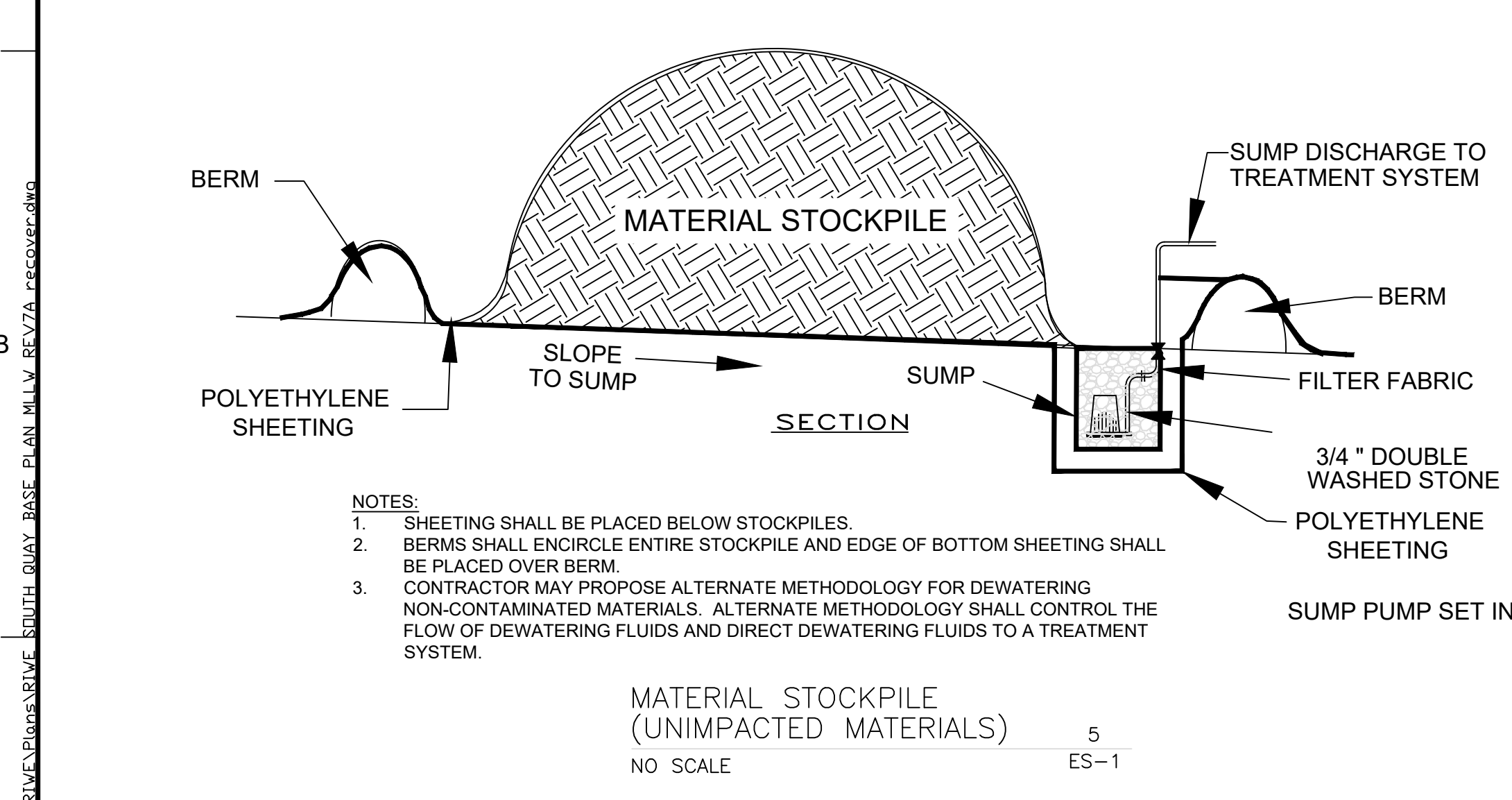
PROJECT NO.
 CADD FILE
 DESIGNED BY JBM
 DRAWN BY
 CHECKED BY JAB
 DATE SEPTEMBER 2020
 DRAWING SCALE AS NOTED

GRAPHIC SCALE
 SHEET TITLE
DETAIL

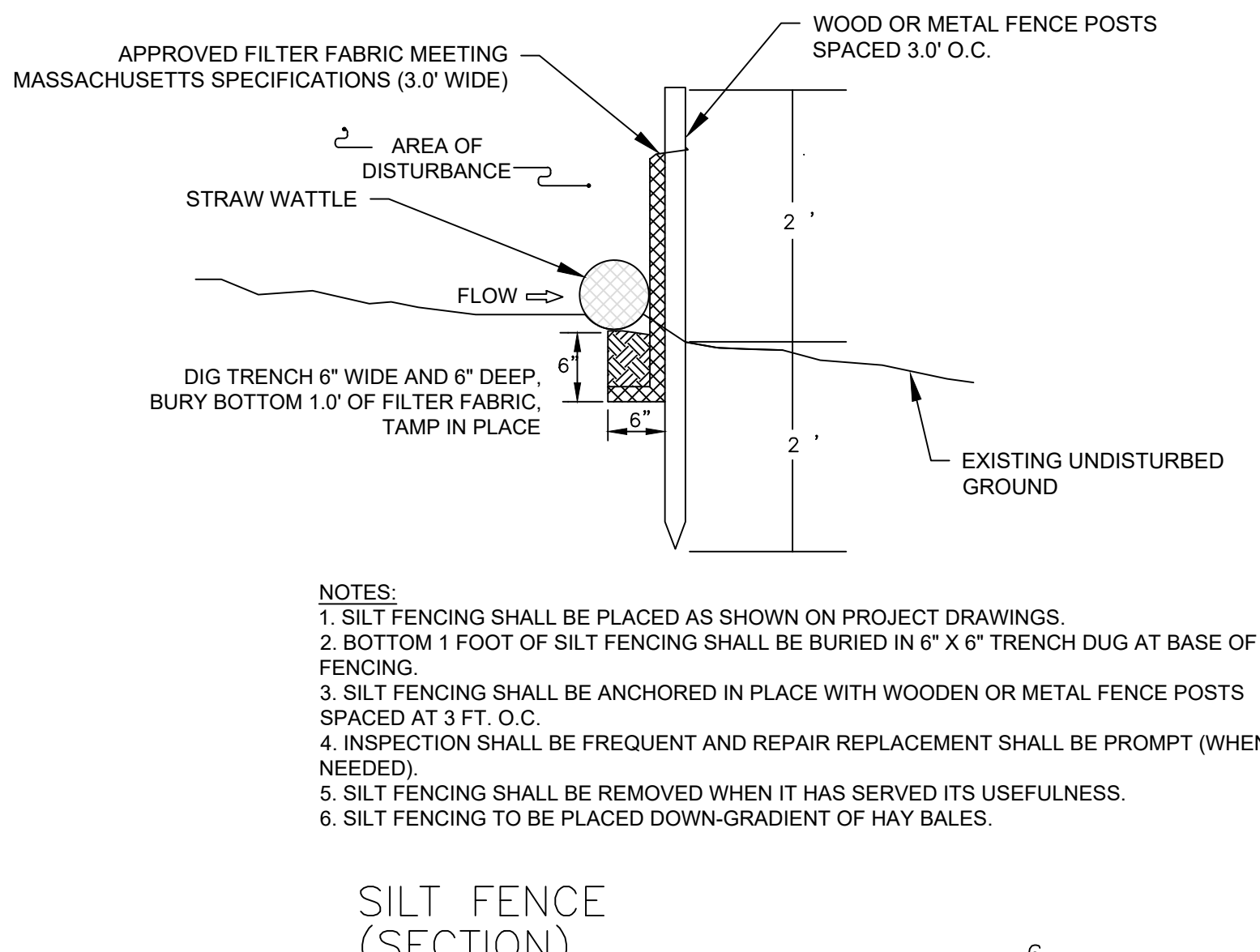
DRAWING NO.
D-3
 32 OF 33



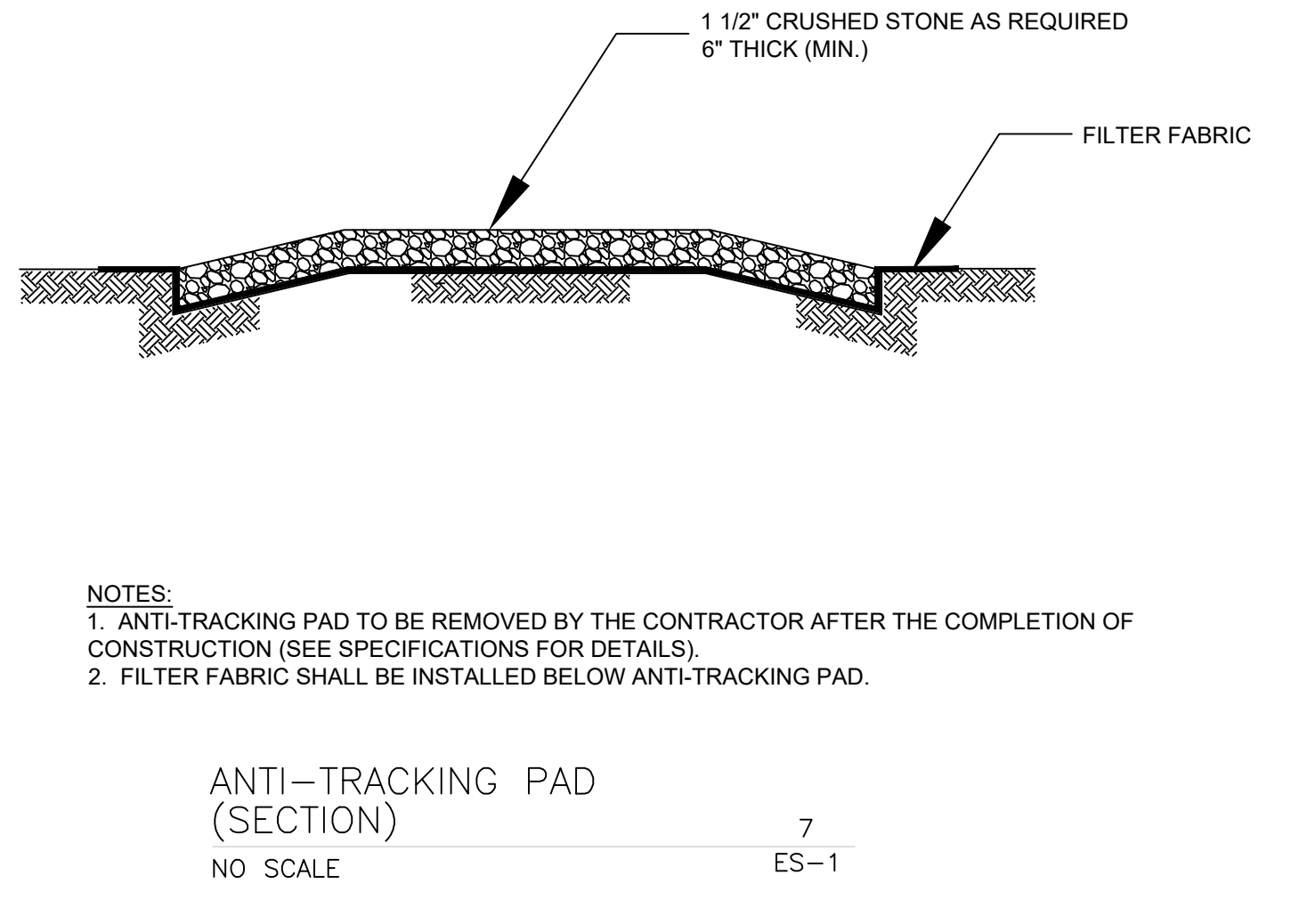
RECEIVED
MARCH 15, 2022
**COASTAL RESOURCES
 MANAGEMENT COUNCIL**



- NOTES:
1. SHEETING SHALL BE PLACED BELOW STOCKPILES.
 2. BERMS SHALL ENCIRCLE ENTIRE STOCKPILE AND EDGE OF BOTTOM SHEETING SHALL BE PLACED OVER BERM.
 3. CONTRACTOR MAY PROPOSE ALTERNATE METHODOLOGY FOR DEWATERING NON-CONTAMINATED MATERIALS. ALTERNATE METHODOLOGY SHALL CONTROL THE FLOW OF DEWATERING FLUIDS AND DIRECT DEWATERING FLUIDS TO A TREATMENT SYSTEM.



- NOTES:
1. SILT FENCING SHALL BE PLACED AS SHOWN ON PROJECT DRAWINGS.
 2. BOTTOM 1 FOOT OF SILT FENCING SHALL BE BURIED IN 6" X 6" TRENCH DUG AT BASE OF FENCING.
 3. SILT FENCING SHALL BE ANCHORED IN PLACE WITH WOODEN OR METAL FENCE POSTS SPACED AT 3 FT. O.C.
 4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE PROMPT (WHEN NEEDED).
 5. SILT FENCING SHALL BE REMOVED WHEN IT HAS SERVED ITS USEFULNESS.
 6. SILT FENCING TO BE PLACED DOWN-GRADIENT OF HAY BALES.



- NOTES:
1. ANTI-TRACKING PAD TO BE REMOVED BY THE CONTRACTOR AFTER THE COMPLETION OF CONSTRUCTION (SEE SPECIFICATIONS FOR DETAILS).
 2. FILTER FABRIC SHALL BE INSTALLED BELOW ANTI-TRACKING PAD.

ANTI-TRACKING PAD
 (SECTION)
 NO SCALE ES-1

SILT FENCE
 (SECTION)
 NO SCALE ES-1

DRAFT -
 FOR PERMITTING REVIEW ONLY
 NOT FOR CONSTRUCTION

RECEIVED
MARCH 15, 2022
COASTAL RESOURCES
MANAGEMENT COUNCIL

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JOHN MCALLISTER
 No. 11685
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

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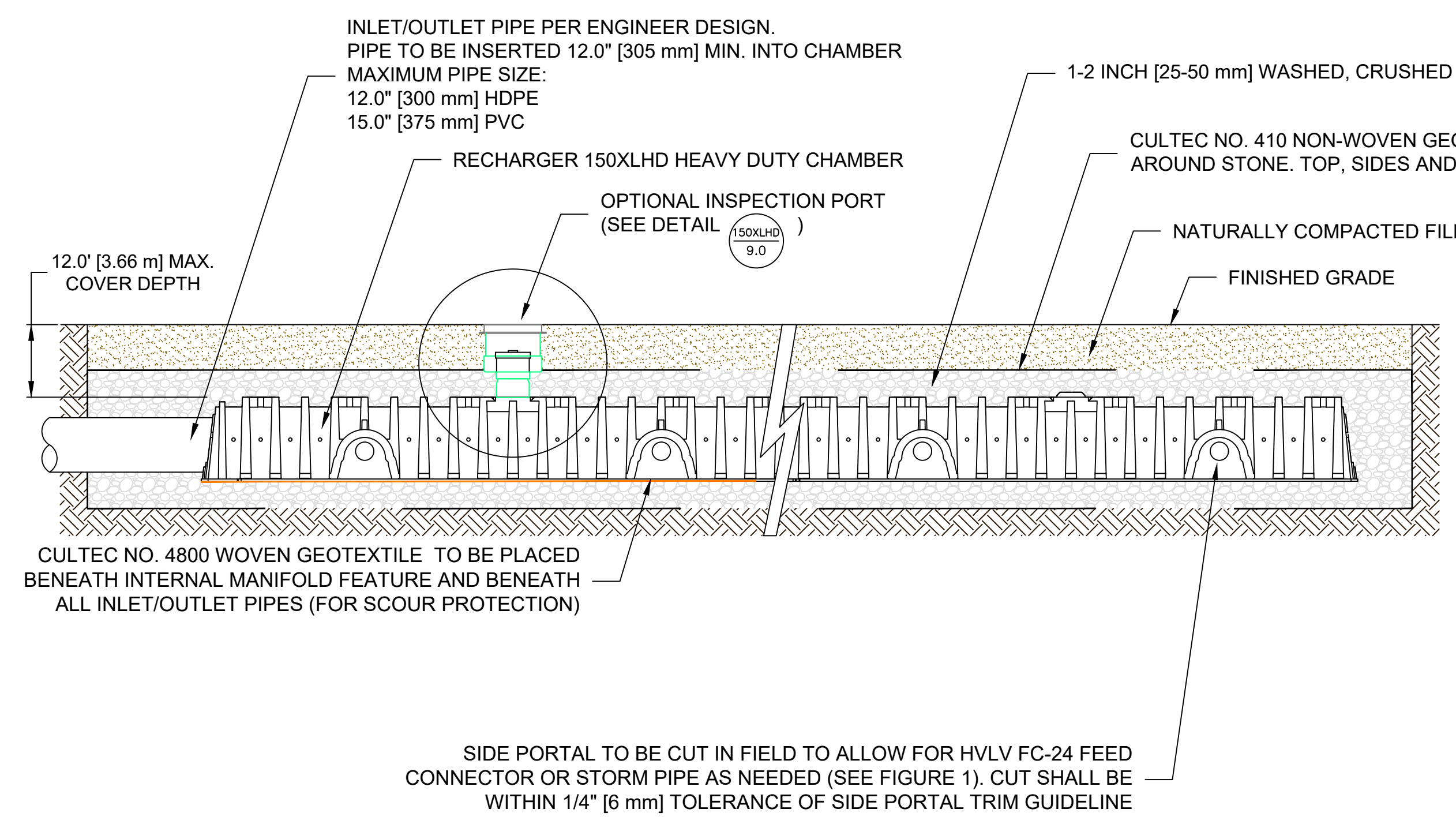
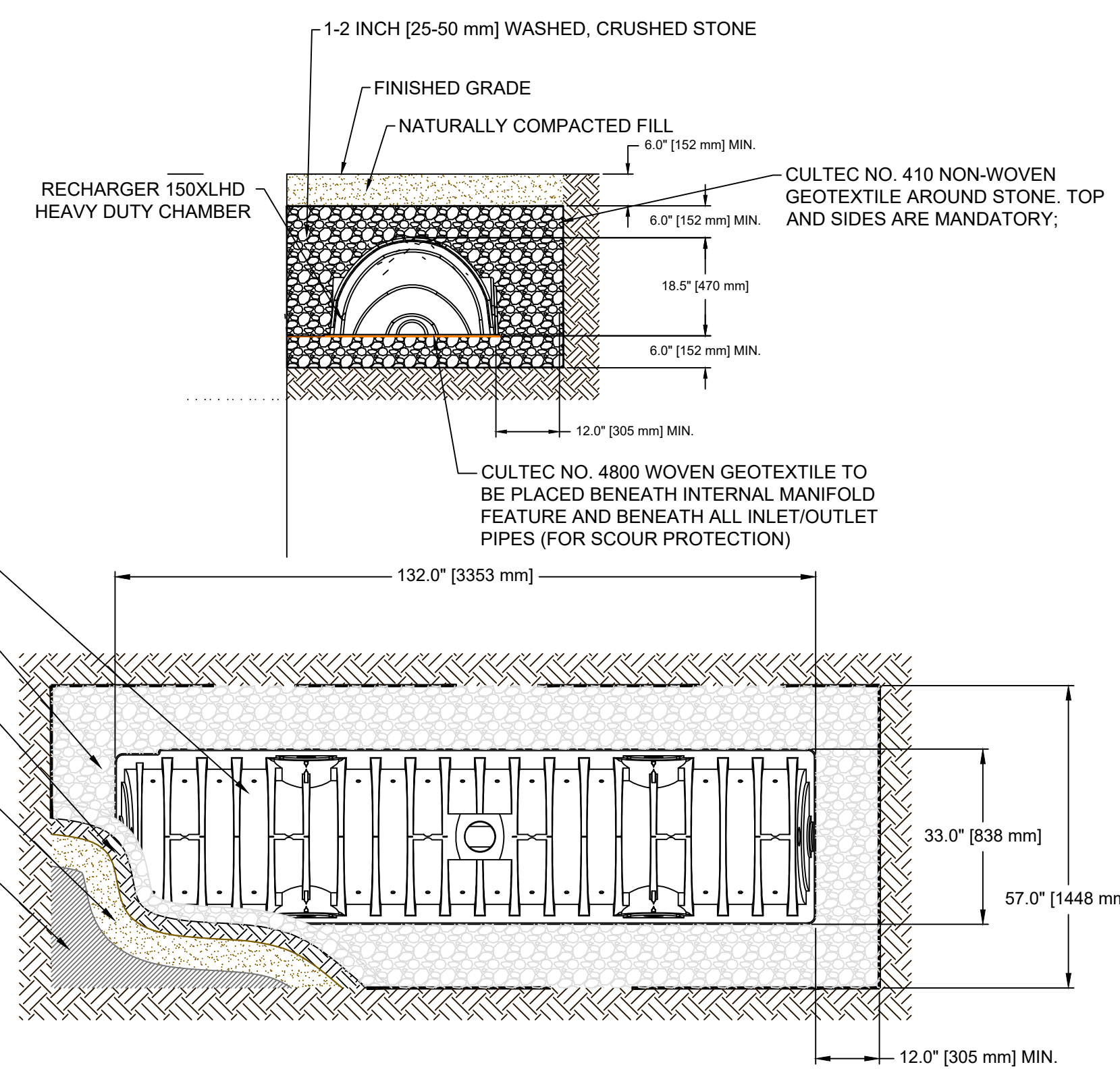
PROJECT NO.	
CADD FILE	
DESIGNED BY	JBM
DRAWN BY	
CHECKED BY	JAB
DATE	SEPTEMBER 2020
DRAWING SCALE	AS NOTED

GRAPHIC SCALE

SHEET TITLE
DETAIL

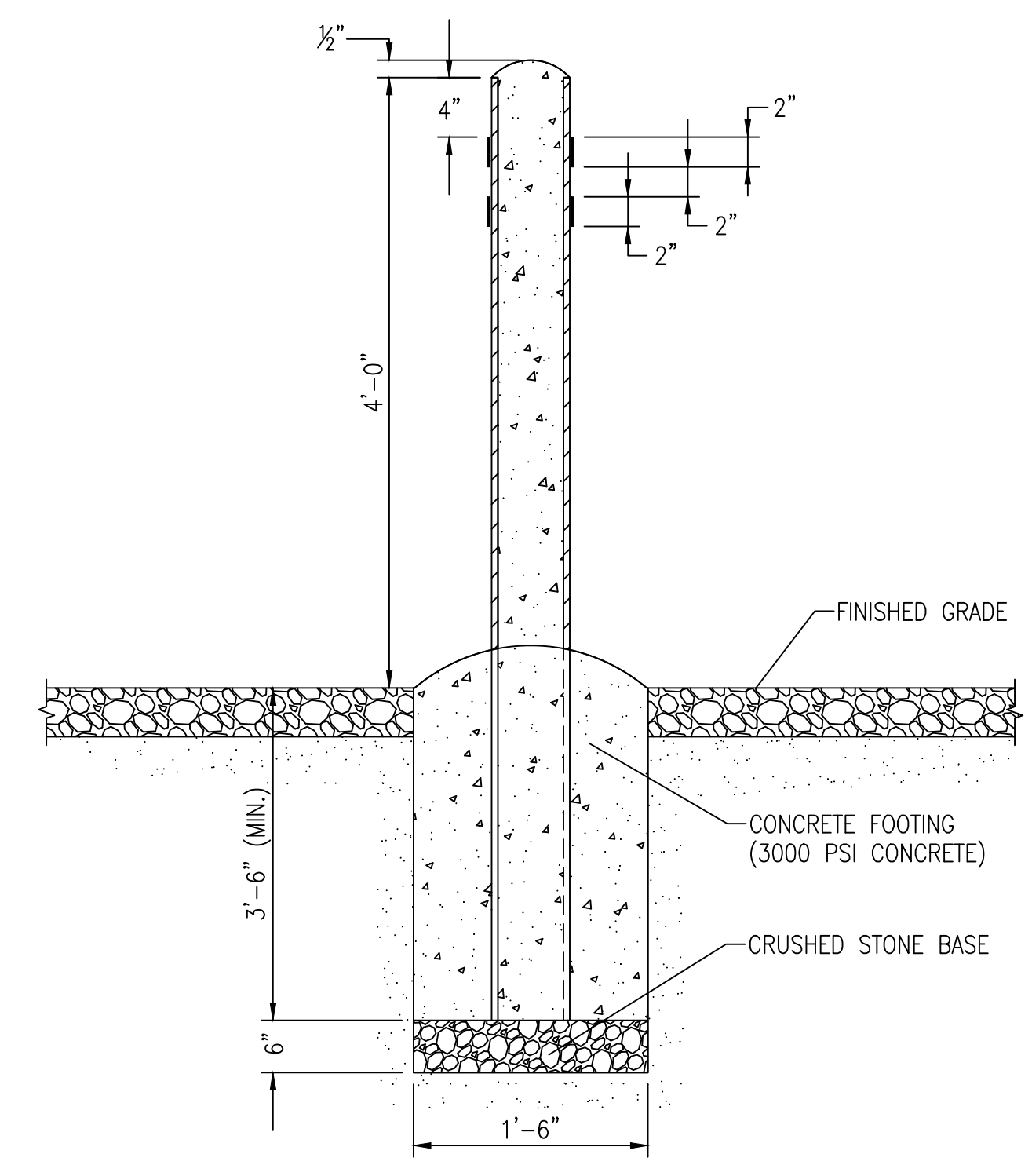
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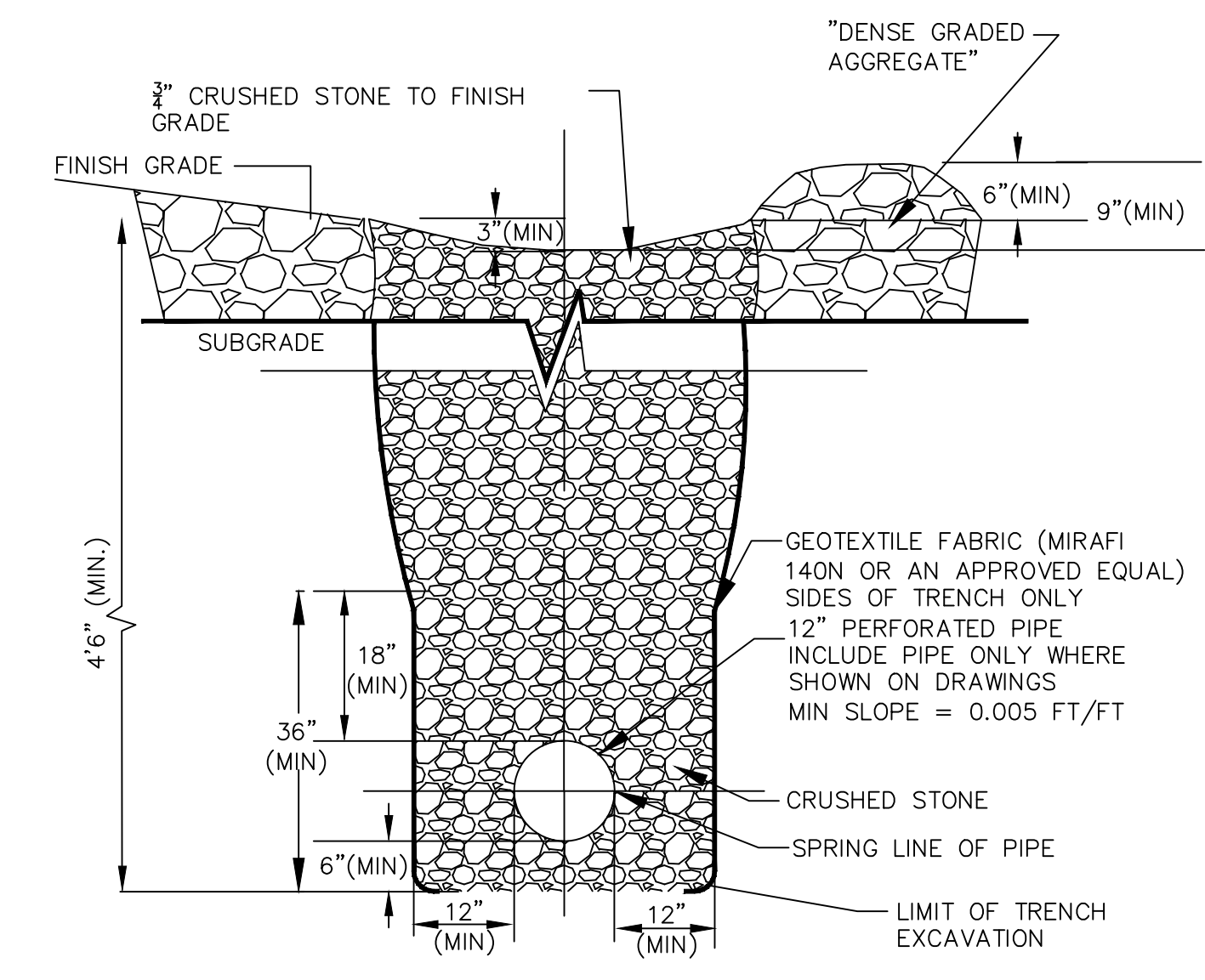
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NOT TO SCALE



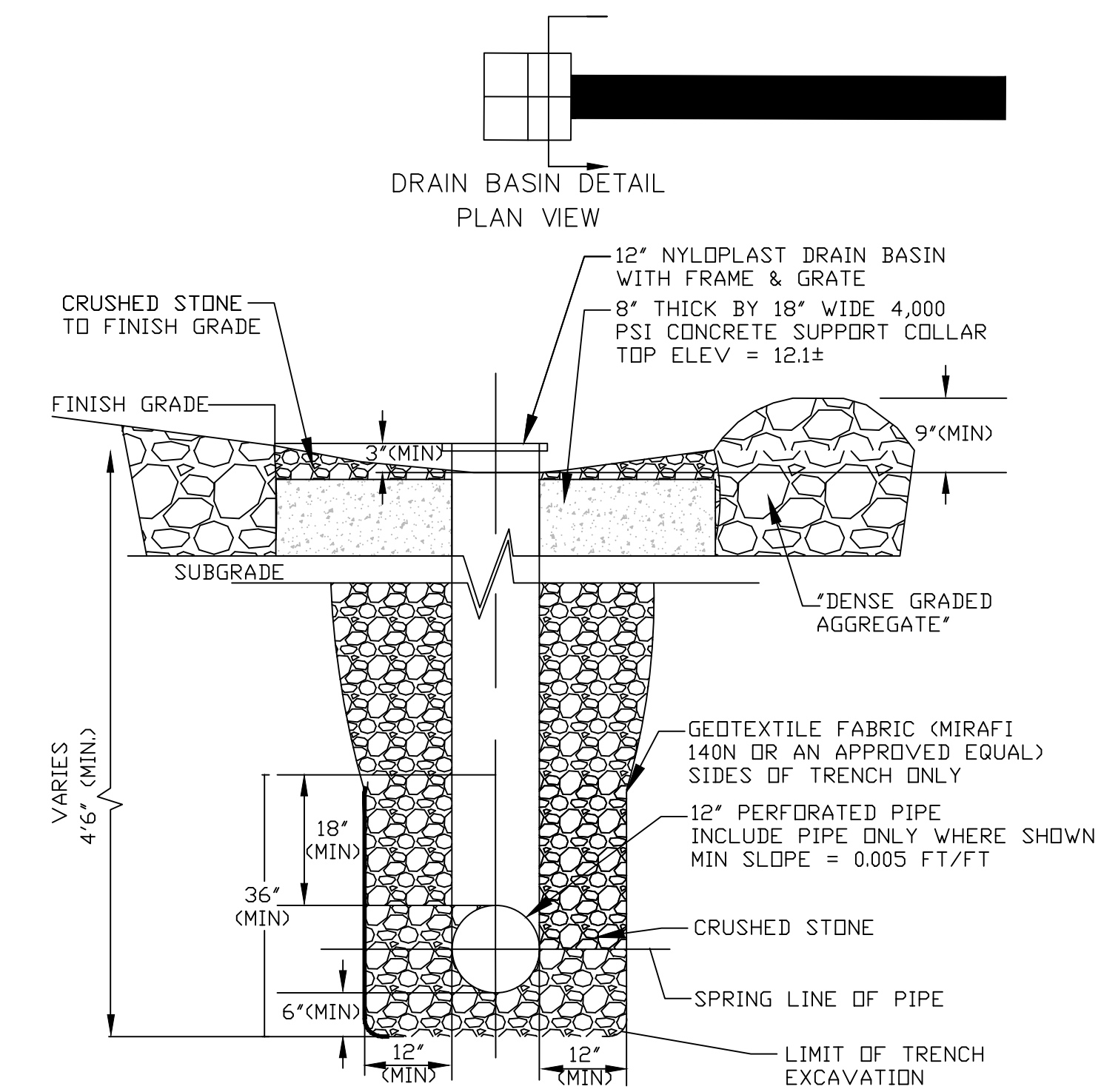
STEEL BOLLARD DETAIL

NOT TO SCALE



INFILTRATION TRENCH DETAIL

NOT TO SCALE



INFILTRATION TRENCH DRAIN BASIN DETAIL

NOT TO SCALE

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