

Attention: **Rich Lucia**

Date: **2/1/2024**

Project No.: **13981**

Address: **Stedman Government Center, Suite 3
4808 Tower Hill Road
Wakefield, RI 02879-1900**

Re: **East Providence Booth Avenue Slope Stabilization**

Item(s) accompanying this transmittal:

- | | | | |
|--|---|---|---|
| <input type="checkbox"/> Agreement | <input checked="" type="checkbox"/> Plans | <input type="checkbox"/> Specifications | <input type="checkbox"/> Prints |
| <input type="checkbox"/> Shop Drawings | <input type="checkbox"/> Change Order | <input type="checkbox"/> Samples | <input type="checkbox"/> Copy of Letter |
| <input type="checkbox"/> Other: | | | |

Copies	Date	No.	Description
1	2/1/2024		8 ½" x 11" Plan Set
1	2/1/2024		24" x 36" Plan Set

Purpose:

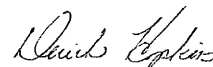
- | | | | |
|--|---|---|-------------------------|
| <input type="checkbox"/> For approval | <input type="checkbox"/> Approved as submitted | <input type="checkbox"/> Resubmit | copies for approval |
| <input type="checkbox"/> For signature | <input type="checkbox"/> Approved as noted | <input type="checkbox"/> Submit | copies for distribution |
| <input type="checkbox"/> For your use | <input type="checkbox"/> Returned for corrections | <input type="checkbox"/> Return | corrected prints |
| <input checked="" type="checkbox"/> As requested | <input type="checkbox"/> For review and comment | <input type="checkbox"/> Prints returned after loan to us | |
| <input type="checkbox"/> Other: | | <input type="checkbox"/> FOR BIDS DUE | |

Remarks: **As per your email request, please accept the submitted hard copies of the project plans.**



Copy To: **file**

Signed:



BID SET No. _____

CITY OF EAST PROVIDENCE, RHODE ISLAND CONTRACT DRAWINGS FOR BOOTH AVENUE SLOPE STABILIZATION

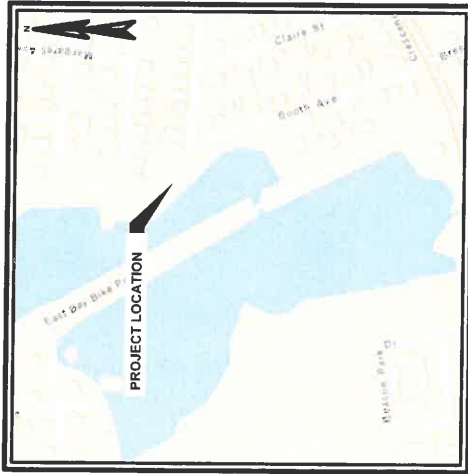
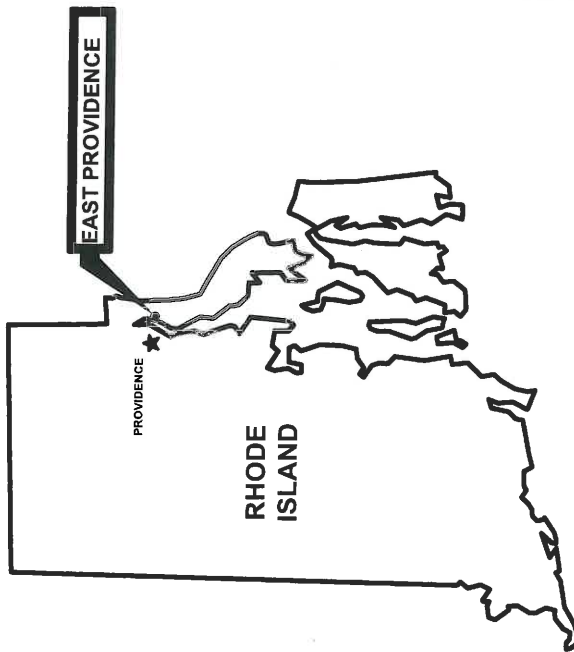
September 2023

RICRMC PERMIT SUBMISSION

FOR REGULATORY REVIEW ONLY

REV. Jan. 3, 2024

DERICK B. HOPKINS
No. 11385
REGISTERED
PROFESSIONAL ENGINEER
CIVIL



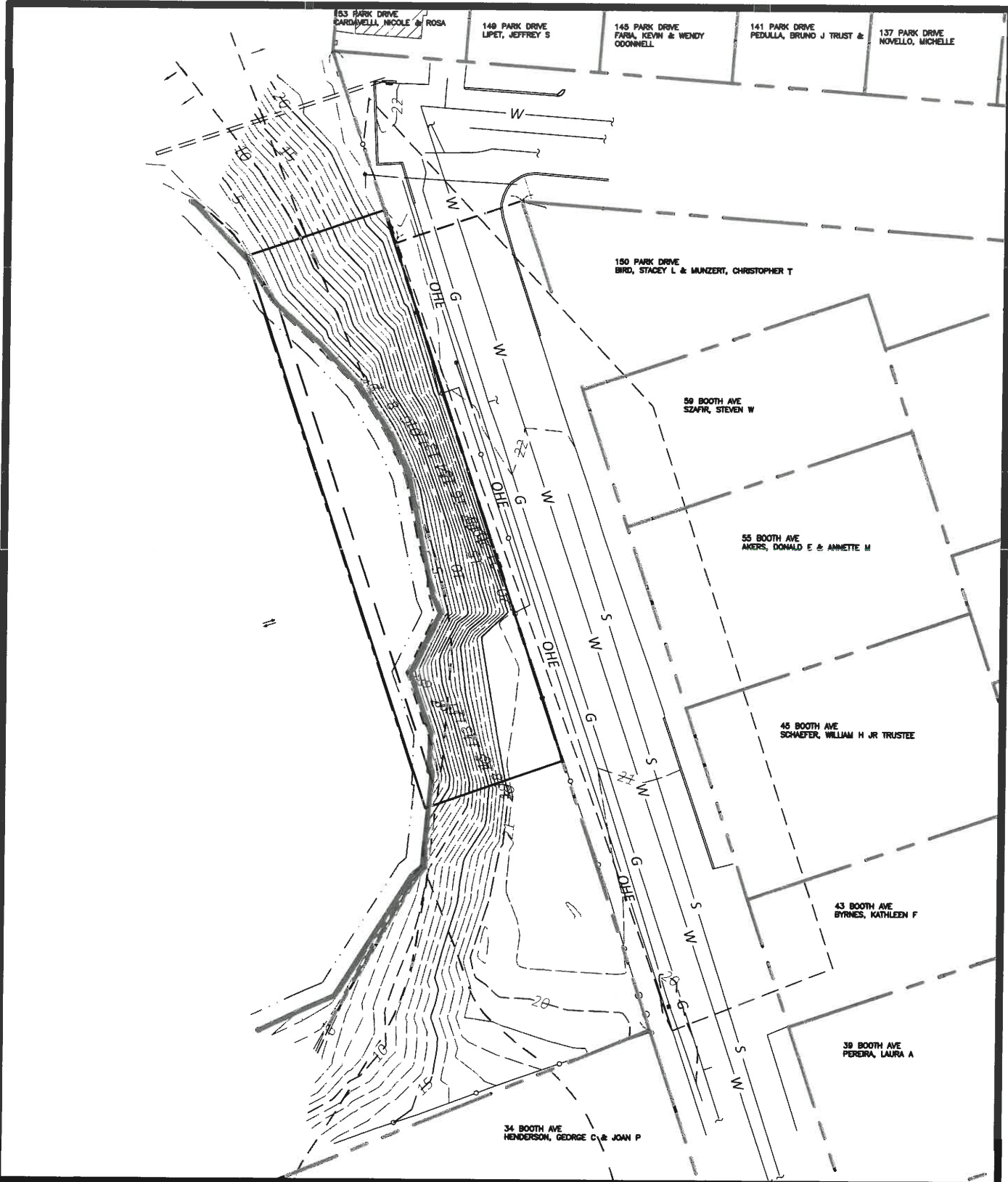
DRAWING INDEX	
GENERAL	COVER PAGE
CIVIL	EXISTING CONDITIONS
EX-1	EXISTING CONDITIONS
EX-2	EXISTING CONDITIONS
EX-3	EXISTING CONDITIONS
PR-1	PROJECT AREA
PR-2	CROSS SECTION
CS-1	CROSS SECTION
CS-2	CROSS SECTION
CS-3	CROSS SECTION
CS-4	CROSS SECTION
D-1 - 08	DETAILS
LS-1 - LS-4	LANDSCAPE PLAN AND DETAILS
EC-1 - EC-2	EROSION CONTROL PLAN AND DETAILS
DATUM	
MHHW	2.37
MHW	2.12
NAVD 88	0.00
MLW	-0.22
MLW	-2.29
MLLW	-2.47
DILQ	0.18
GT	4.84

DATUMS FOR 8454000, PROVIDENCE, RI. ALL ELEVATIONS RELATIVE TO NAVD 88

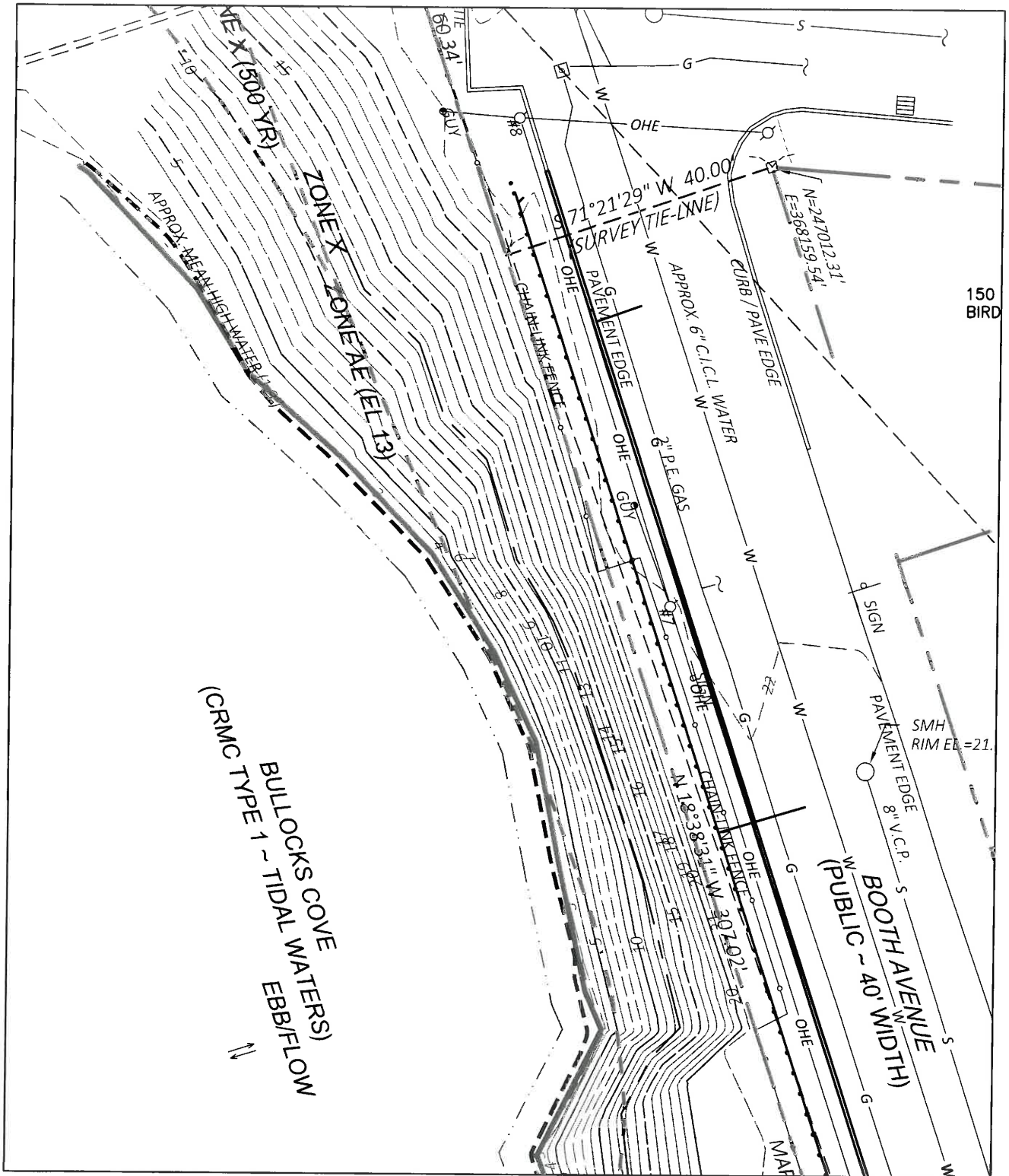
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FEB 02 2024
COASTAL RESOURCES FOR REVIEW
MANAGEMENT COUNCIL FOR BIDDING

WRIGHT-PIERCE
Engineering a Better Environment
888.621.8156 | www.wright-pierce.com

WP PROJECT No. 13981



NO.	REVISIONS		
1			
DRAWN BY: E. DAVIS	DATE 09-25-2023	<div style="border: 2px solid blue; padding: 5px; display: inline-block;"> RECEIVED FEB 02 2024 </div>	PROJ NO: 13981
APPROVED BY: D. HOPKINS	REFERENCE DWG:		FIGURE:
		<div style="border: 2px solid blue; padding: 5px; display: inline-block;"> COASTAL RESOURCES MANAGEMENT COUNCIL </div>	EX-1



(CRMC TYPE 1 ~ TIDAL WATERS)
 BULLOCKS COVE
 EBB/FLOW

BOOTH AVENUE
 (PUBLIC ~ 40' WIDTH)

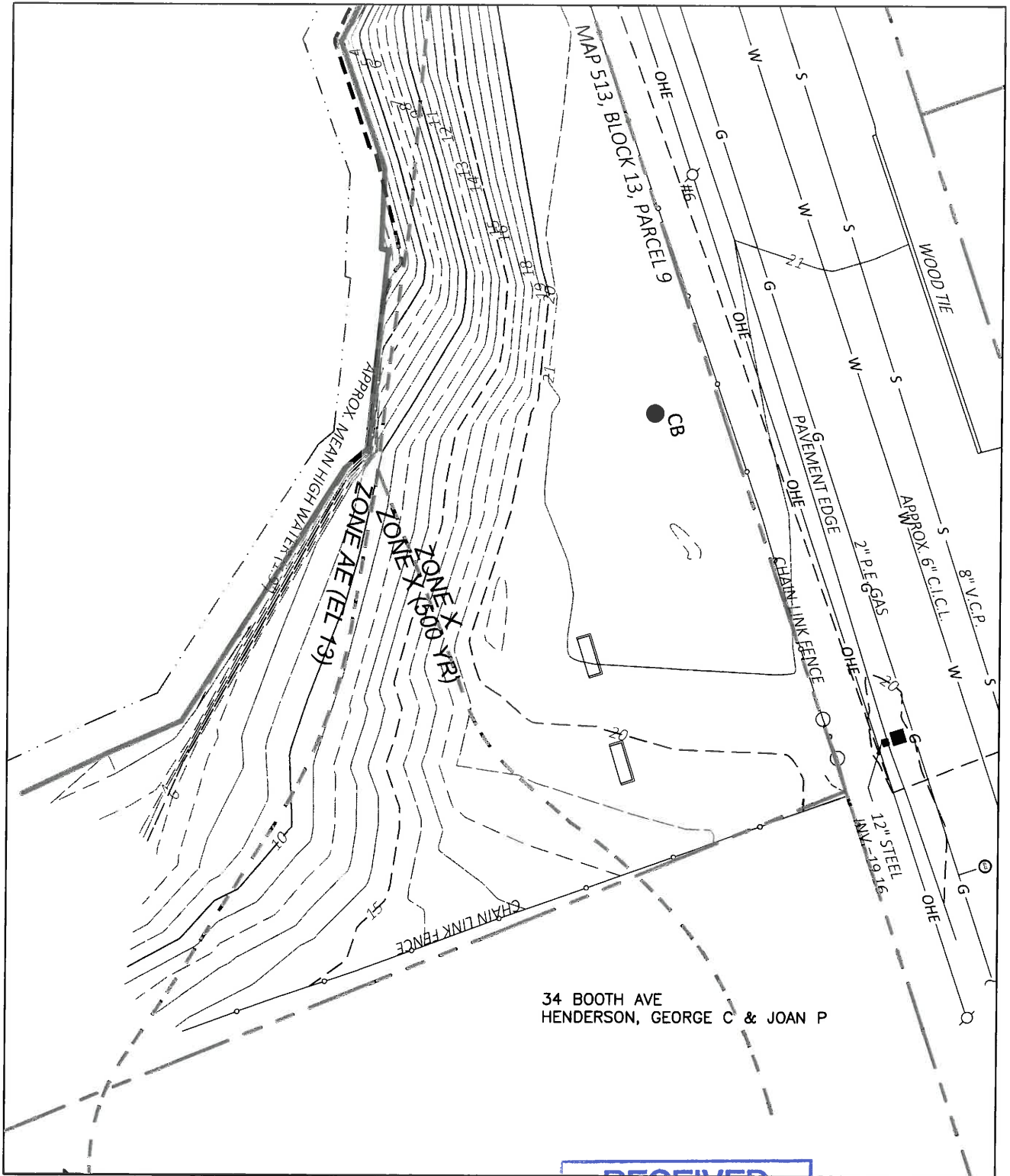
150 BIRD

SMH RIM EL.=21.

NO.	REVISIONS	
	1	
DRAWN BY: E. DAVIS	DATE: 09-25-2023	PROJ NO: 13981
APPROVED BY: D. HOPKINS	REFERENCE DWS. TEXT HERE	FIGURE: EX-2

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 SEP 28 2023
 COASTAL RESOURCES
 MANAGEMENT COUNCIL



34 BOOTH AVE
 HENDERSON, GEORGE C & JOAN P

RECEIVED

REVISIONS
 FEB 02 2024

NO.

1

DRAWN BY: E. DAVIS

COASTAL RESOURCES
 MANAGEMENT COUNCIL

DATE: 09-25-2023

PROJ NO: 13981

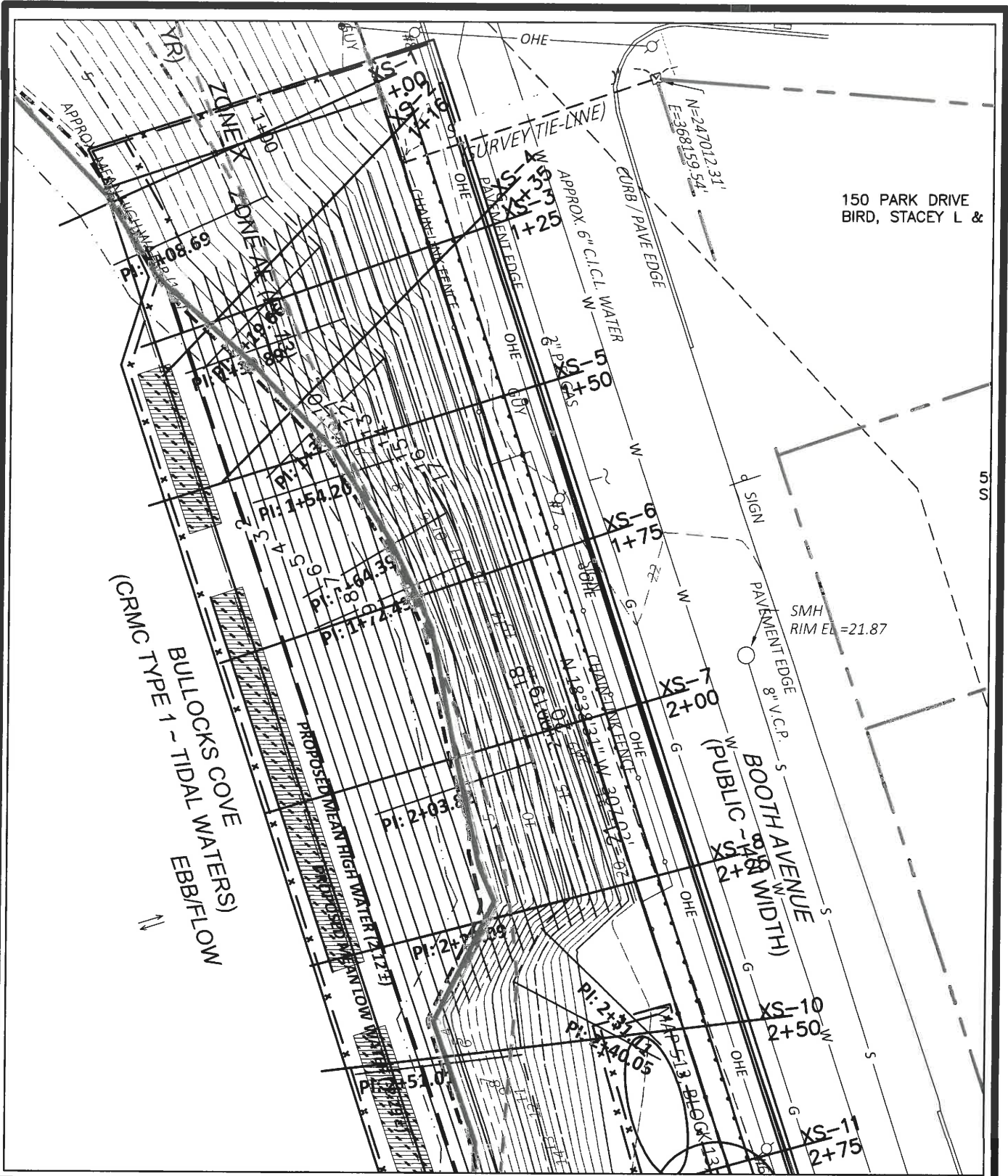
APPROVED BY: D. HOPKINS

REFERENCE DWG:

FIGURE:

EX-3

WRIGHT-PIERCE 



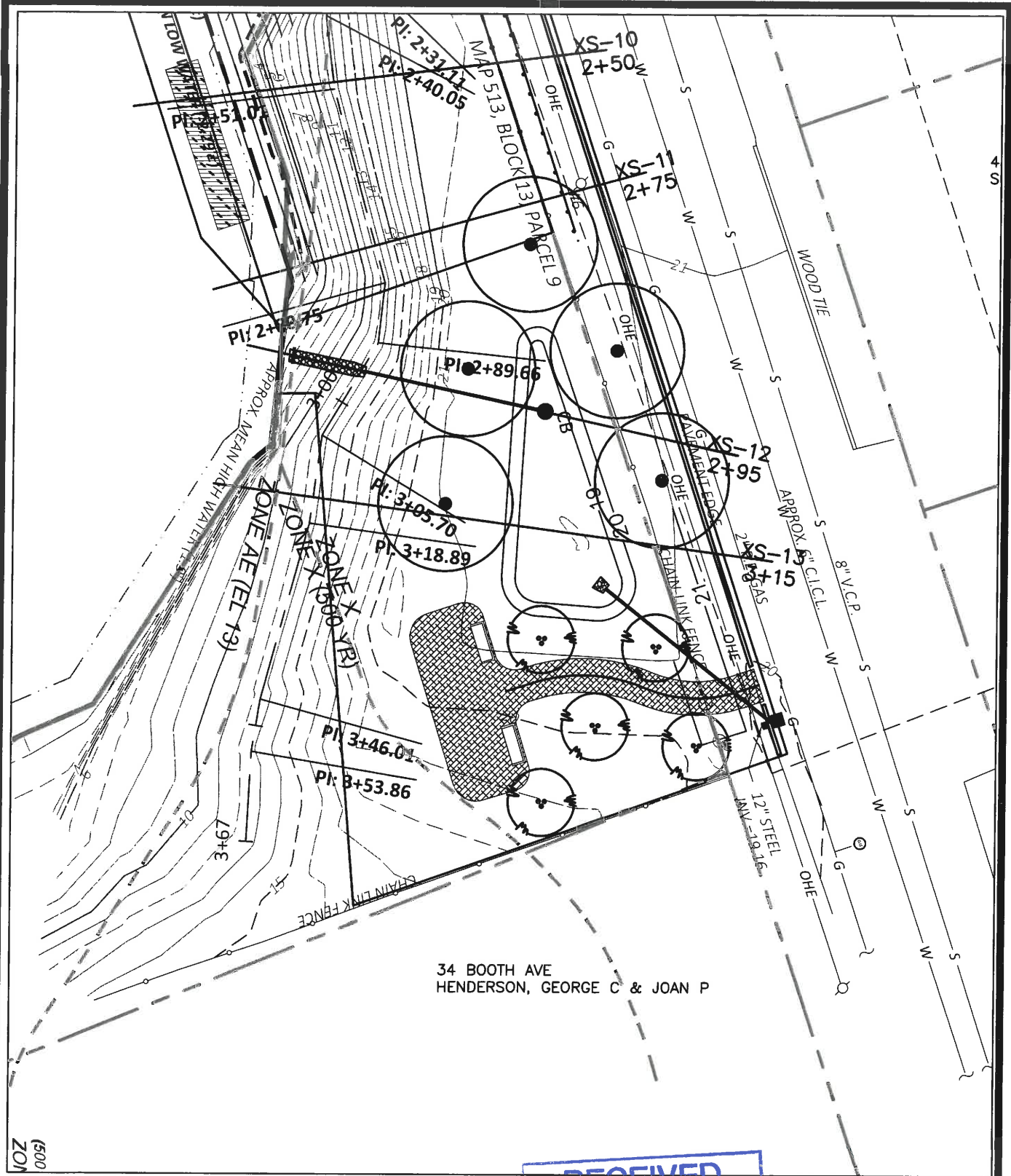
150 PARK DRIVE
BIRD, STACEY L &

(CRMC TYPE 1 - TIDAL WATERS)
BULLOCKS COVE
EBB/FLOW

BOOTH AVENUE
(PUBLIC 28' WIDTH)

SMH
RIM EL = 21.87

NO.	REVISIONS	DATE	FIGURE
1	RECEIVED	09-25-2023	PR-1
DRAWN BY: E. DAVIS		DATE: 09-25-2023	FIGURE: PR-1
APPROVED BY: D. HOPKINS		REFERENCE DWG: FEB 0 2 2024	FIGURE: PR-1
WRIGHT-PIERCE		COASTAL RESOURCES MANAGEMENT	PR-1



34 BOOTH AVE
 HENDERSON, GEORGE C & JOAN P

1500
 ZON

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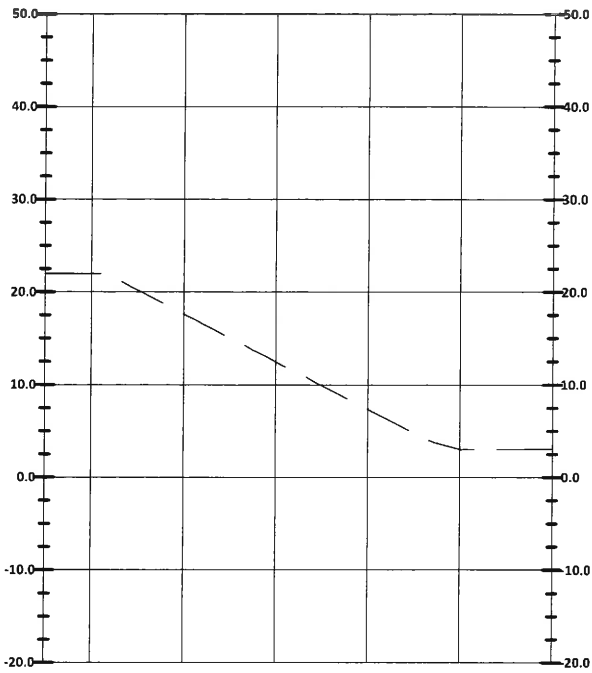
FEB 02 2024

COASTAL RESOURCES
 MANAGEMENT COUNCIL

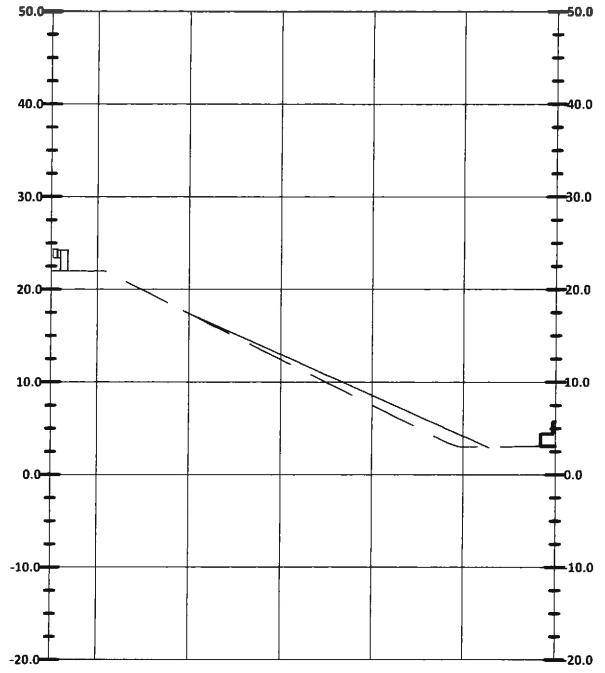
NO.	REVISIONS	
①	FEB 02 2024	
DRAWN BY: E. DAVIS	DATE: 09-25-2023	PROJ NO: 13981
APPROVED BY: D. HOPKINS	REFERENCE DWG:	FIGURE:
		PR-2

WRIGHT-PIERCE

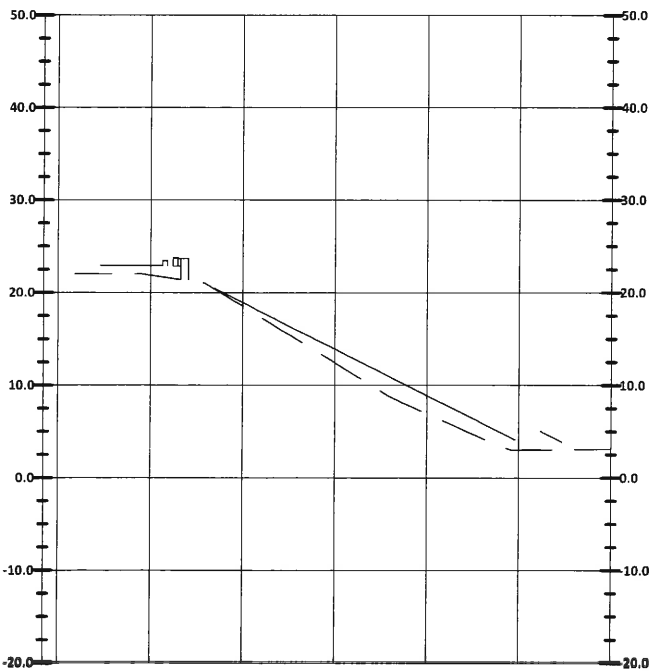
1+00.00



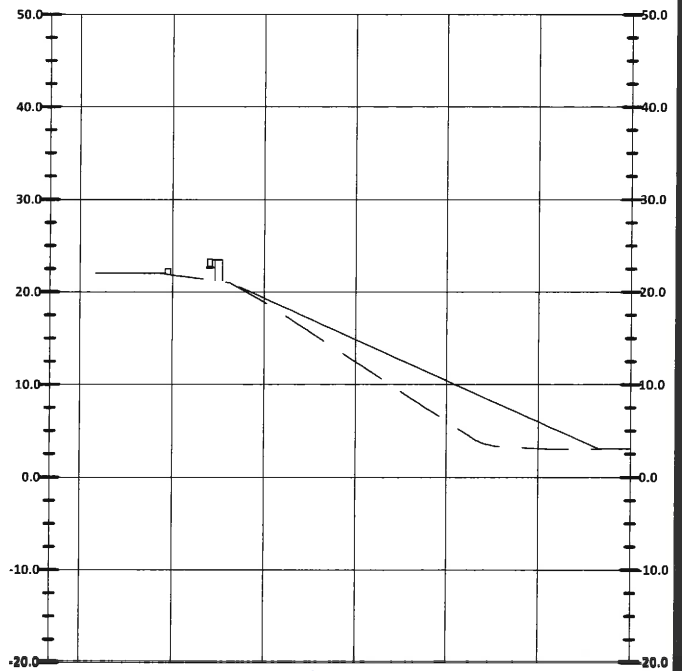
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1+25.00



1+35.00



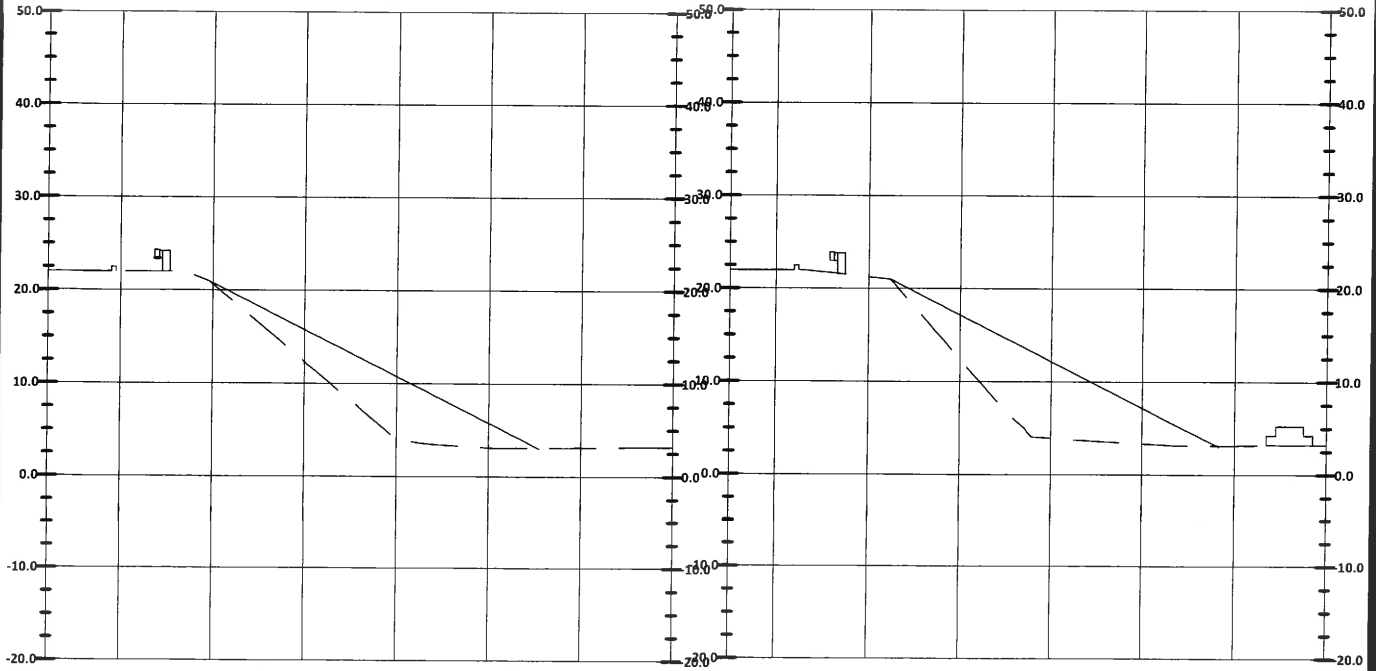
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NO.	REVISIONS		PROJ NO: 13981
1	FEB 02 2024		FIGURE: CS-1
DRAWN BY: E. DAVIS		DATE: 09-25-2023	
APPROVED BY: D. HOPKINS		REFERENCE DWG:	

WRIGHT-PIERCE

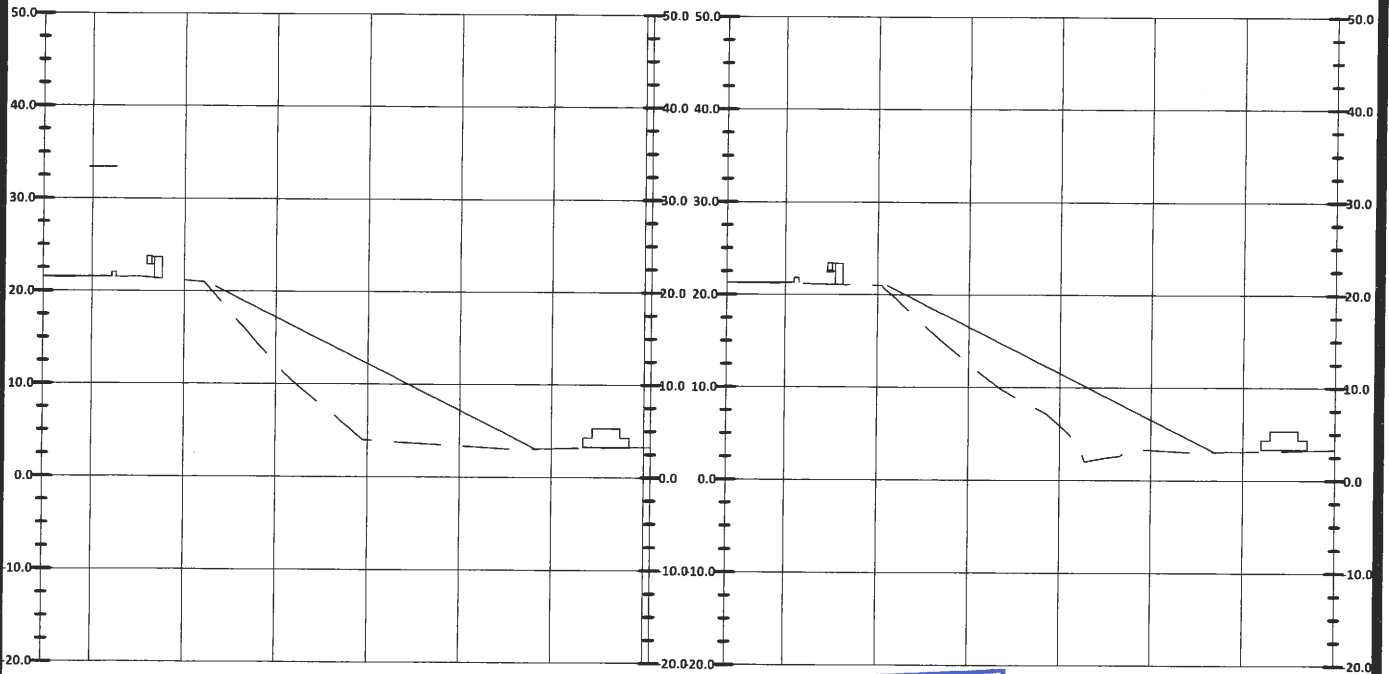
1+50.00

1+75.00



2+00.00

2+25.00

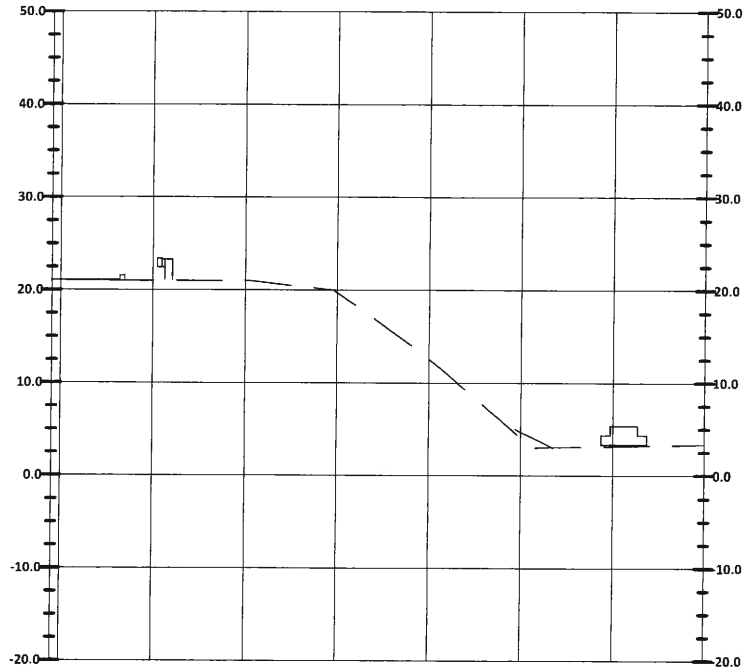


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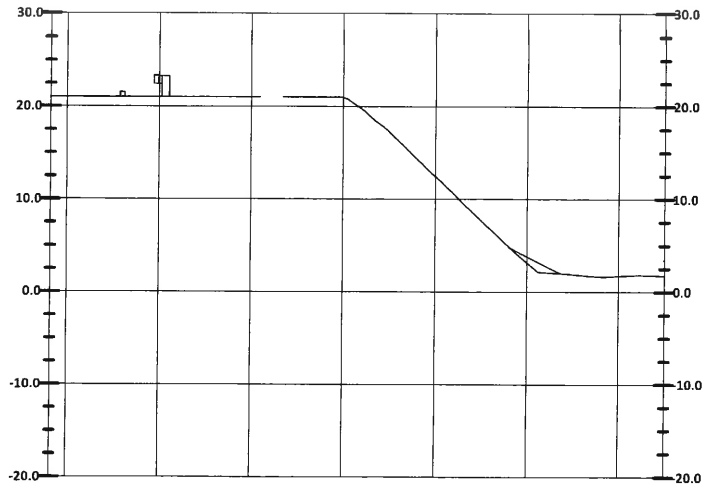
NO.	REVISIONS		PROJ NO: 13981
①	FEB 02 2024		FIGURE:
DRAWN BY: E. DAVIS	DATE: 09-25-2023	REFERENCE DWG:	
APPROVED BY: D. HOPKINS	CS-2		

WRIGHT-PIERCE 

2+50.00



2+75.00



NO.



DRAWN BY: E. DAVIS

APPROVED BY: D. HOBKINS

RECEIVED REVISIONS

FEB 02 2024

DATE: 09-25-2023

COASTAL RESOURCES
MANAGEMENT COUNCIL

PROJ NO: 13981

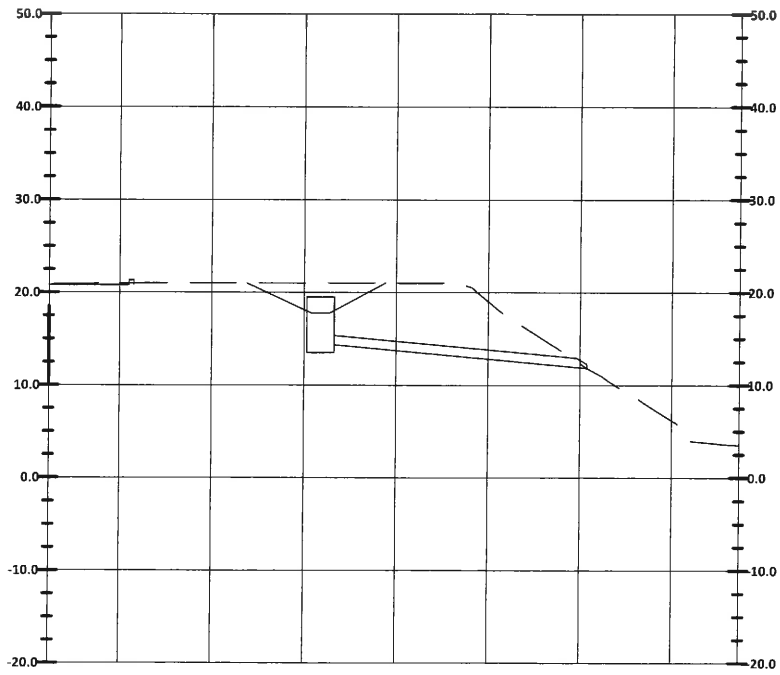
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FIGURE:

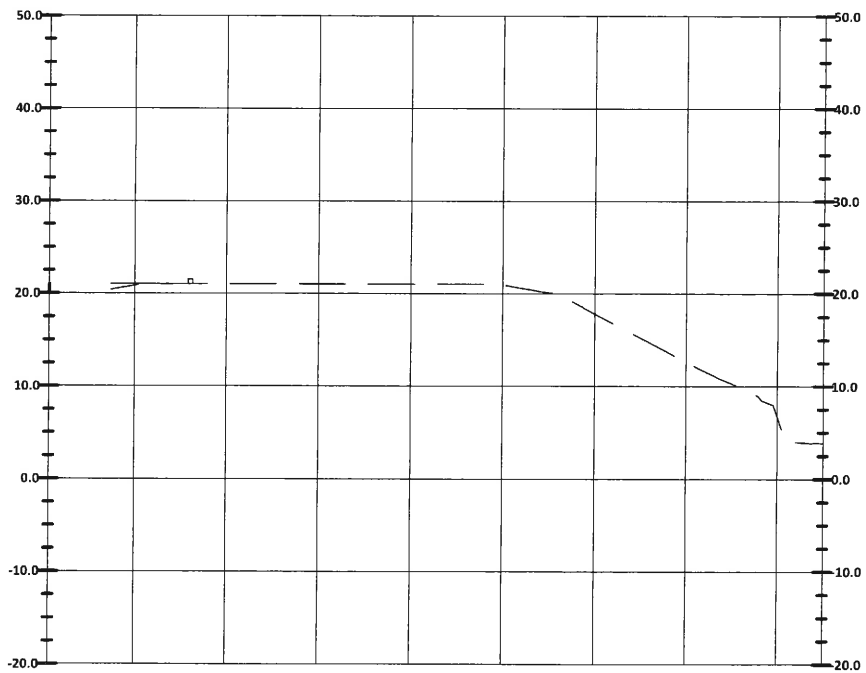
CS-3

WRIGHT-PIERCE

2+94.55



3+15.00



NO.

RECEIVED REVISIONS

1

DRAWN BY: E. DAVIS

FEB 02 2024

DATE: 09-25-2023

PROJ NO: 13981

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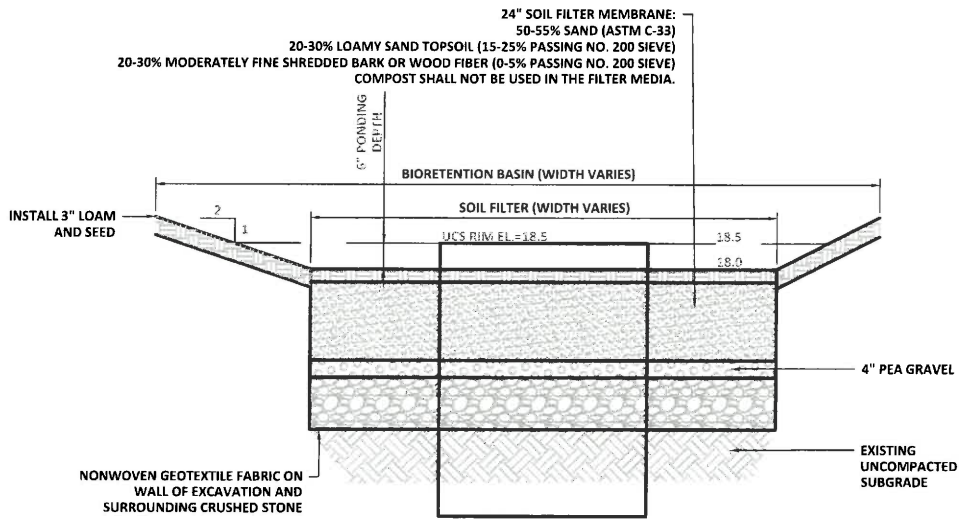
APPROVED BY: D. HOPKINS

COASTAL RESOURCES
MANAGEMENT COUNCIL

REFERENCE DWG:

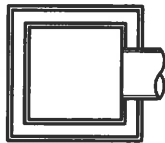
FIGURE:

CS-4

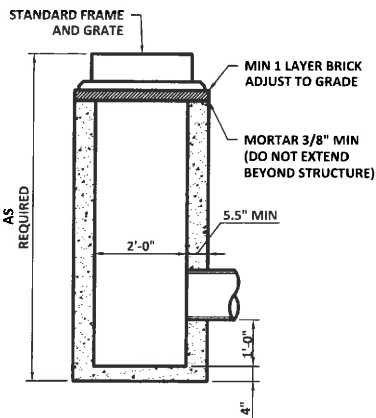


BIORETENTION

SCALE: NTS

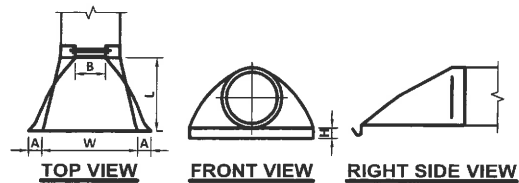


NOTE:
ENTIRE CATCH BASIN WITH
EXCEPTION OF LEVELING
BRICK FRAME AND GRATE
TO BE PRECAST AS A
SINGLE CONCRETE UNIT.



2'x2' CATCH BASIN (TYPE F)

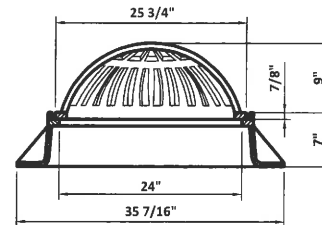
SCALE: NTS



PIPE DIAMETER (in)	
DIAMETER (in)	12.0
A (in)	7.0
B(max) (in)	15.0
H (in)	6.0
L (in)	21.0
W (in)	24.0

HDPE FLARED END SECTION

SCALE: NTS



HIGH BEEHIVE GRATE & FRAME

SCALE: "NTS"

RECEIVED

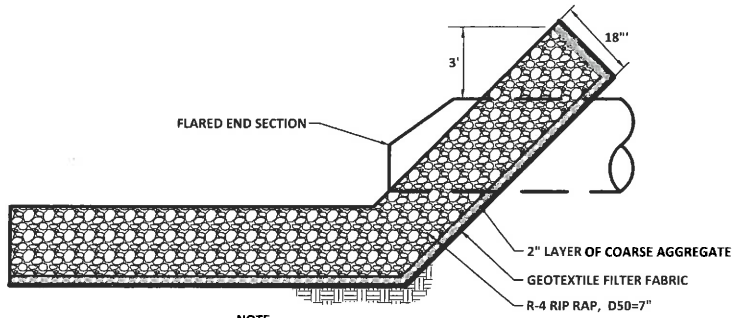
FEB 02 2024

COASTAL RESOURCES
MANAGEMENT COUNCIL

WRIGHT PIERCE

NO.	REVISIONS	PROJ NO: 13981
DRAWN BY: E. DAVIS	DATE: 09-25-2023	FIGURE:
APPROVED BY: D. HOPKINS	REFERENCE DWG:	D-1

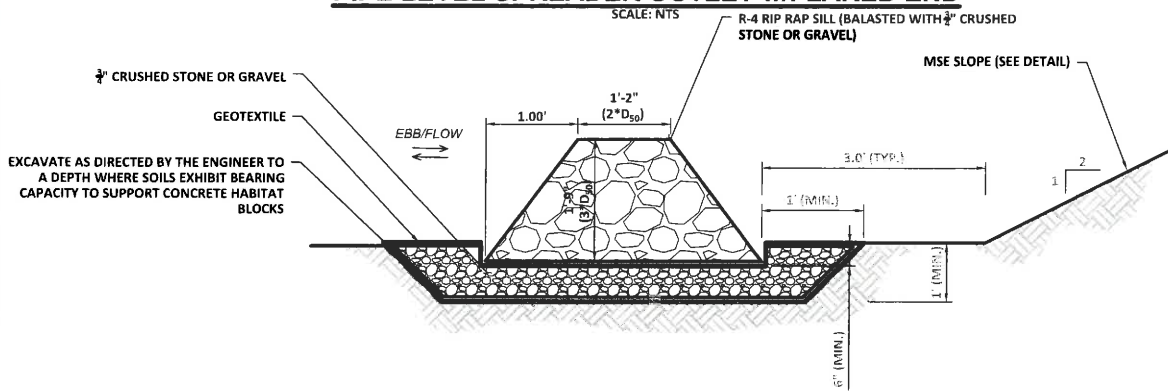
RIPRAP STABILIZATION TABLE				
RIPRAP ID	LOCATION	WIDTH AT PIPE OUTLET (ft)	WIDTH AT RIPRAP OUTLET (ft)	LENGTH (ft)
1	12 INCH HDPE FLARED END SECTION	5	5	12



NOTE:
RIPRAP WIDTH SHALL BE AS SHOWN ON PLAN AND TABLE

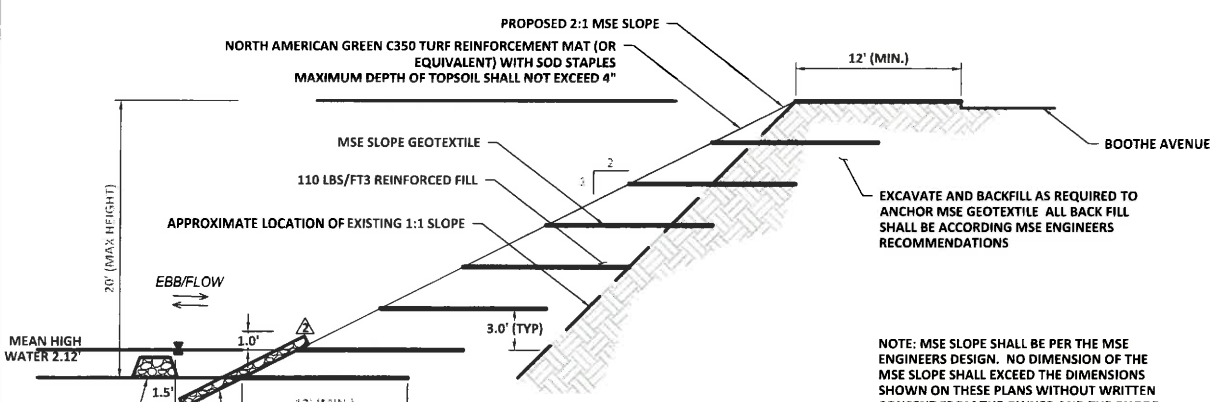
PIPE LEVEL SPREADER OUTLET w/FLARED END

SCALE: NTS



RIP RAP SILL

SCALE: NTS



TYPICAL MSE SLOPE

SCALE: NTS

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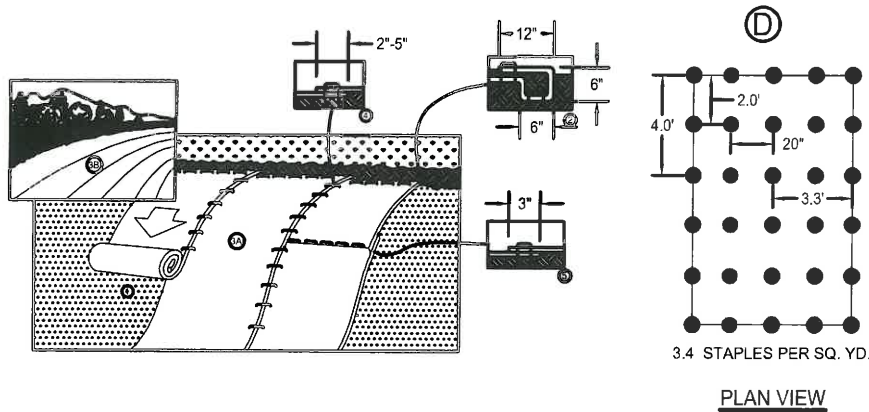
FEB 02 2024

COASTAL RESOURCES
MANAGEMENT COUNCIL

NO.	REVISIONS	PROJ NO: 13983
1	RICRMC AUG 23 2023 SLOPE AND INTERLOCKING BLOCK	
2	RICRMC DEC 22 2023 COMMENTS	
DRAWN BY: E. DAVIS		DATE: 09-25-2023
APPROVED BY: D. HOPKINS		REFERENCE DWG:
		FIGURE: D-2

1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP'S), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30CM) OF RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECP'S.
3. ROLL THE RECP'S (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM™, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2" - 5" (5 CM - 12.5 CM) OVERLAP DEPENDING ON RECP'S TYPE.
5. CONSECUTIVE RECP'S SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE RECP'S WIDTH.

NOTE: *IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE RECP'S.



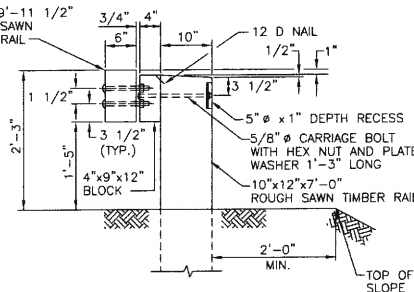
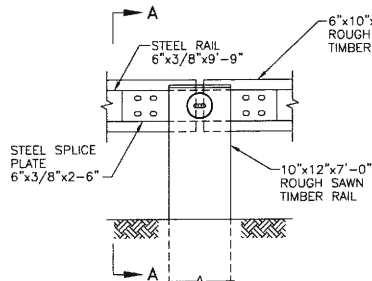
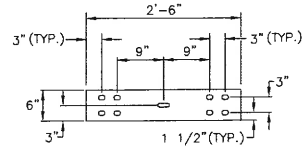
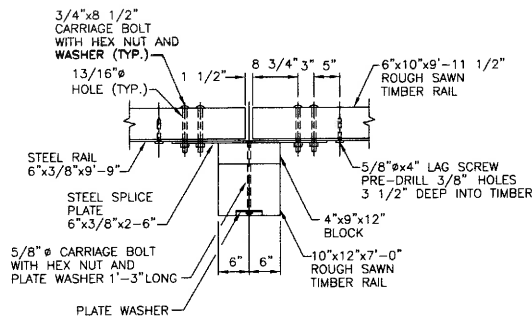
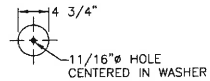
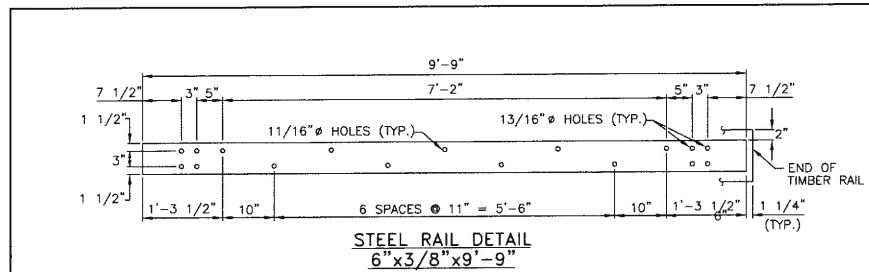
2H:1V TURF REINFORCEMENT INSTALLATION

SCALE: NTS



NO.	REVISIONS		
1			
	DRAWN BY: E. DAVIS	DATE: 09-25-2023	PROJ NO: 13981
	APPROVED BY: D. HOPKINS	REFERENCE DWG:	FIGURE:
			D-3

WRIGHT-PIERCE



NOTES:

1. SHALL BE IN ACCORDANCE WITH SECTION 902 OF THE R.I. STANDARD SPECIFICATIONS.
2. ALL STRUCTURAL STEEL AND FASTENER HARDWARE SHALL BE WEATHERING STEEL AS SPECIFIED.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

STEEL BACKED TIMBER GUARDRAIL

REVISIONS		
NO.	BY	DATE
1	MLP	3/1/2005

James A. Capelli
CHIEF ENGINEER
TRANSPORTATION

Edward P. ...
CHIEF DESIGN ENGINEER
TRANSPORTATION

JUNE 15, 1998
ISSUE DATE



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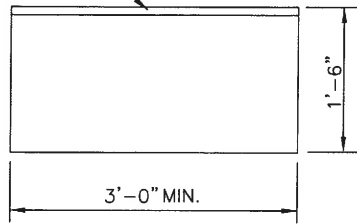
FEB 02 2024

COMMON RESOURCES
MANAGEMENT COUNCIL

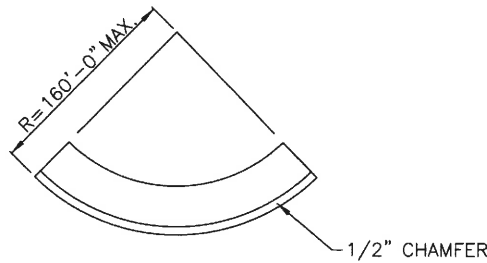
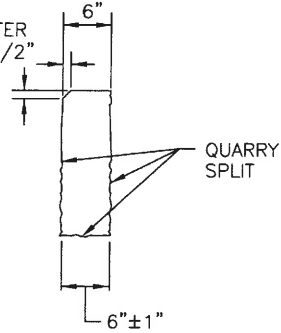
WRIGHT-PIERCE

NO.	REVISIONS		
1			
DRAWN BY: E. DAVIS		DATE: 09-25-2023	PROJ NO: 13981
APPROVED BY: D. HOPKINS		REFERENCE DWG:	FIGURE: D-4

1/2" CHAMFER



CHAMFER 1/2"



CIRCULAR CURB

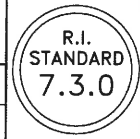
NOTES:

1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. TOP SURFACE TO BE DRESSED BY SAW. REMAINDER MAY BE QUARRY SPLIT.
3. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR PIECES TO BE 3'-0".
4. CIRCULAR CURB IS REQUIRED ON CURVES WITH RADII OF 160'-0" OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 160'-0" RADIUS.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		
NO.	BY	DATE
1	MLP	Mar 2005
2	MLP	Sep 2012

GRANITE CURB



James H. Casella
 CHIEF ENGINEER
 TRANSPORTATION

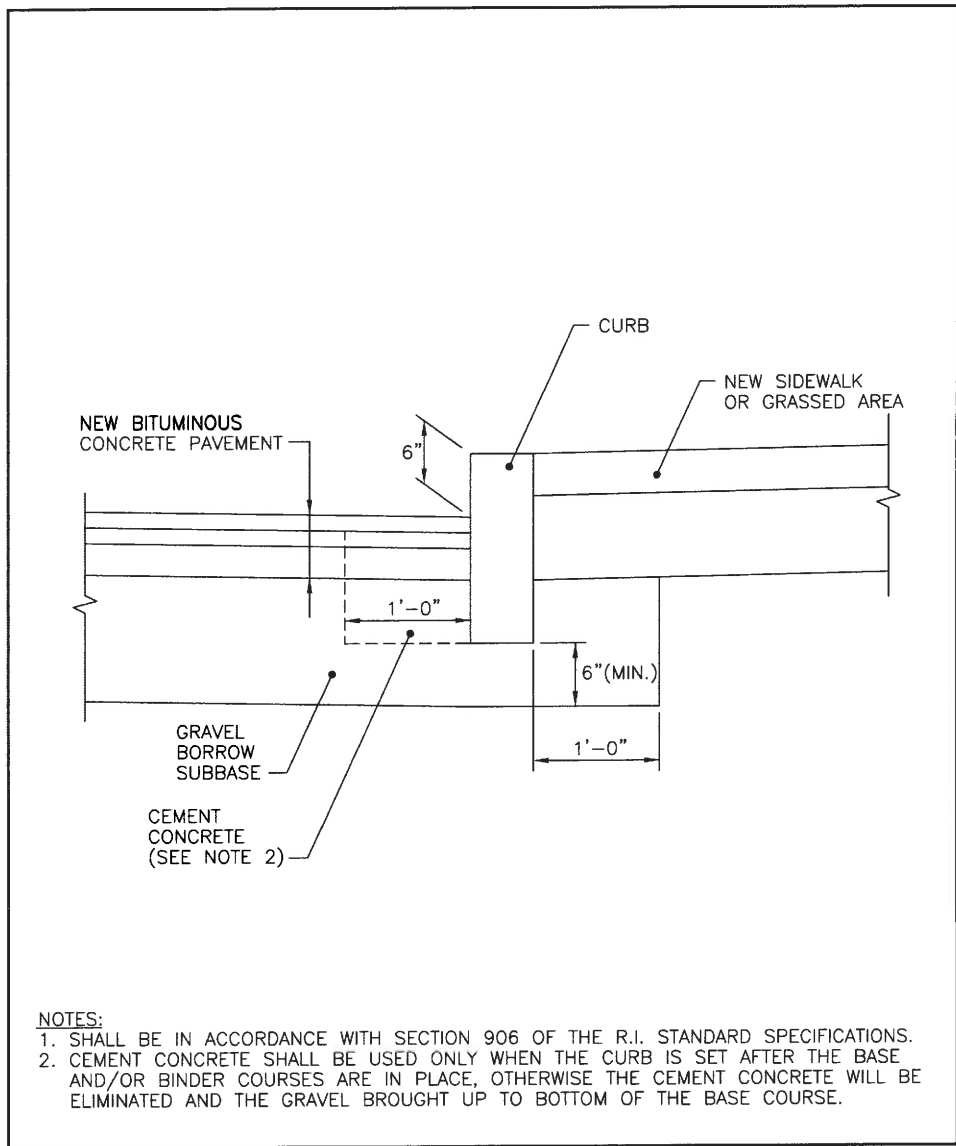
Edmund J. Perkins Jr.
 CHIEF DESIGN ENGINEER
 TRANSPORTATION

JUNE 15, 1998
 ISSUE DATE

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 CONCRETE RESOURCES
 MANAGEMENT COUNCIL

NO.	REVISIONS		
1			
DRAWN BY: E. DAVIS		DATE: 09-25-2023	PROJ NO: 13983
APPROVED BY: D. HOPKINS		REFERENCE DWG:	FIGURE:
			D-5

WRIGHT-PIERCE



- NOTES:**
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
 2. CEMENT CONCRETE SHALL BE USED ONLY WHEN THE CURB IS SET AFTER THE BASE AND/OR BINDER COURSES ARE IN PLACE, OTHERWISE THE CEMENT CONCRETE WILL BE ELIMINATED AND THE GRAVEL BROUGHT UP TO BOTTOM OF THE BASE COURSE.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS			CURB SETTING DETAIL		R.I. STANDARD 7.6.0
NO.	BY	DATE			
1	MLP	Mar 05			

<i>James A. Casella</i> CHIEF ENGINEER TRANSPORTATION	<i>Edward J. Perkins</i> CHIEF DESIGN ENGINEER TRANSPORTATION	JUNE 15, 1998 ISSUE DATE
---	---	-----------------------------

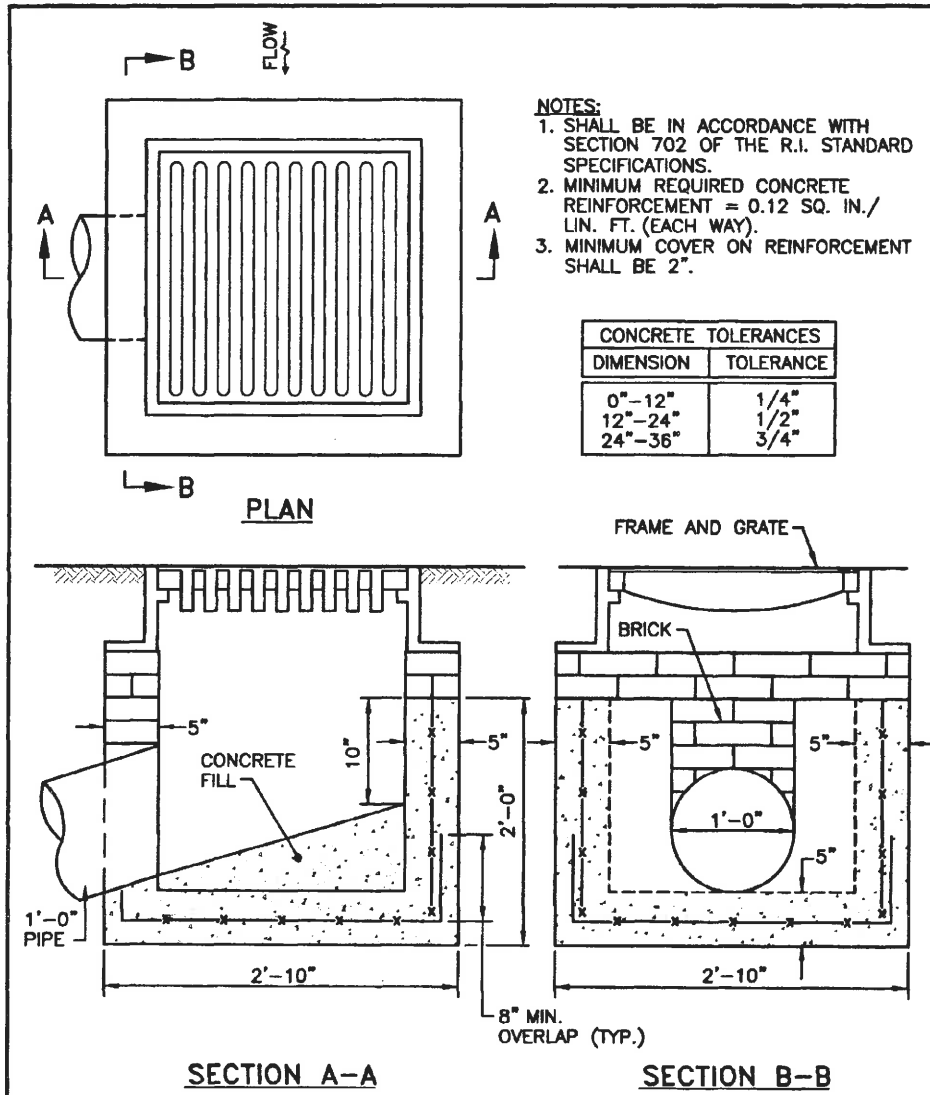
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COASTAL RESOURCES
MANAGEMENT COUNCIL

NO.	REVISIONS		
1			
	DRAWN BY: E. DAVIS	DATE: 09-25-2023	PROJ NO: 13981
	APPROVED BY: D. HOPKINS	REFERENCE DWG:	FIGURE: D-6





- NOTES:**
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
 2. MINIMUM REQUIRED CONCRETE REINFORCEMENT = 0.12 SQ. IN./LIN. FT. (EACH WAY).
 3. MINIMUM COVER ON REINFORCEMENT SHALL BE 2".

CONCRETE TOLERANCES	
DIMENSION	TOLERANCE
0"-12"	1/4"
12"-24"	1/2"
24"-36"	3/4"

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE DROP INLET

REVISIONS		
NO.	BY	DATE

James K. Gagliardi
 CHIEF ENGINEER
 TRANSPORTATION

Edmund Parkes Jr.
 CHIEF DESIGN ENGINEER
 TRANSPORTATION

JUNE 15, 1998
 ISSUE DATE

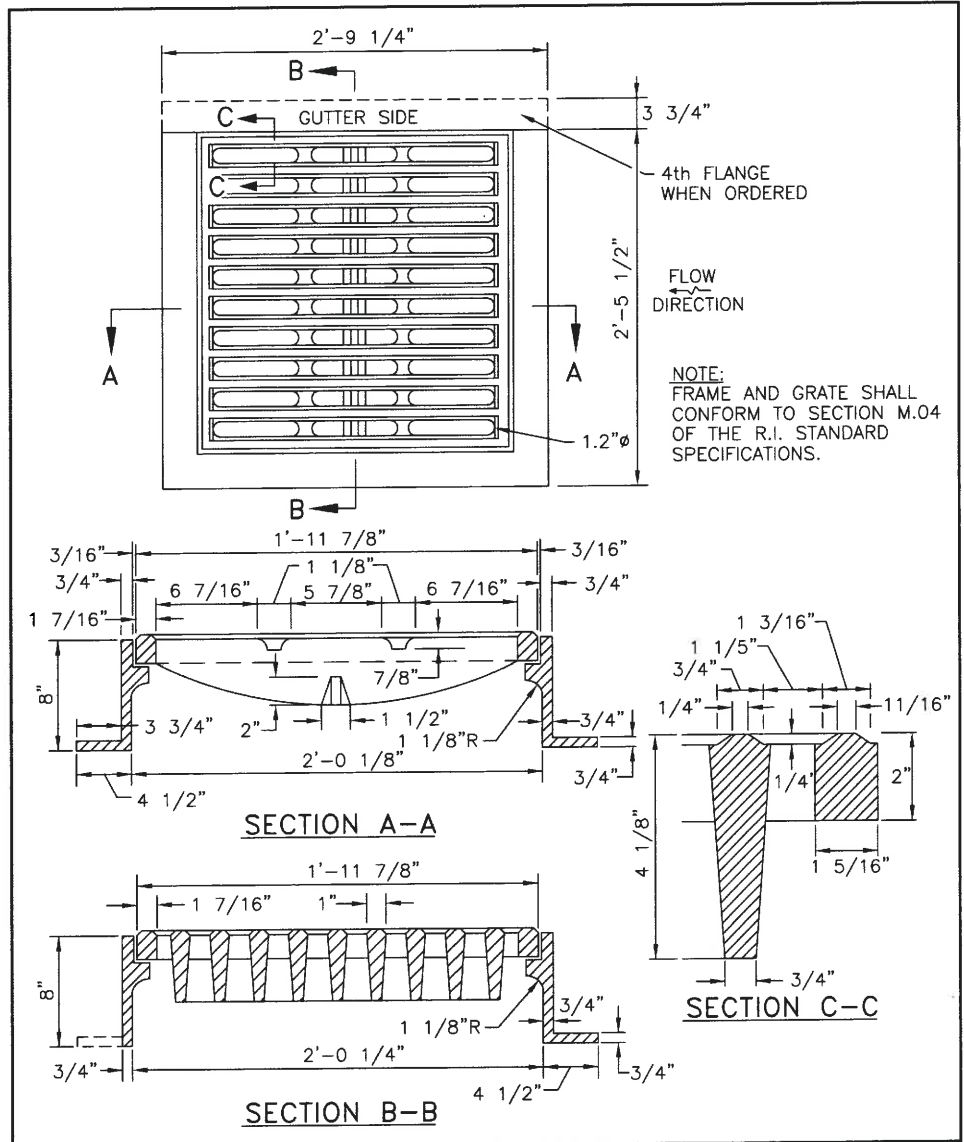


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	PROJ NO: 13983
	FIGURE:

WRIGHT-PIERCE

D-7



REVISIONS			SQUARE FRAME AND GRATE (BICYCLE SAFE)		
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			 CHIEF DESIGN ENGINEER TRANSPORTATION		

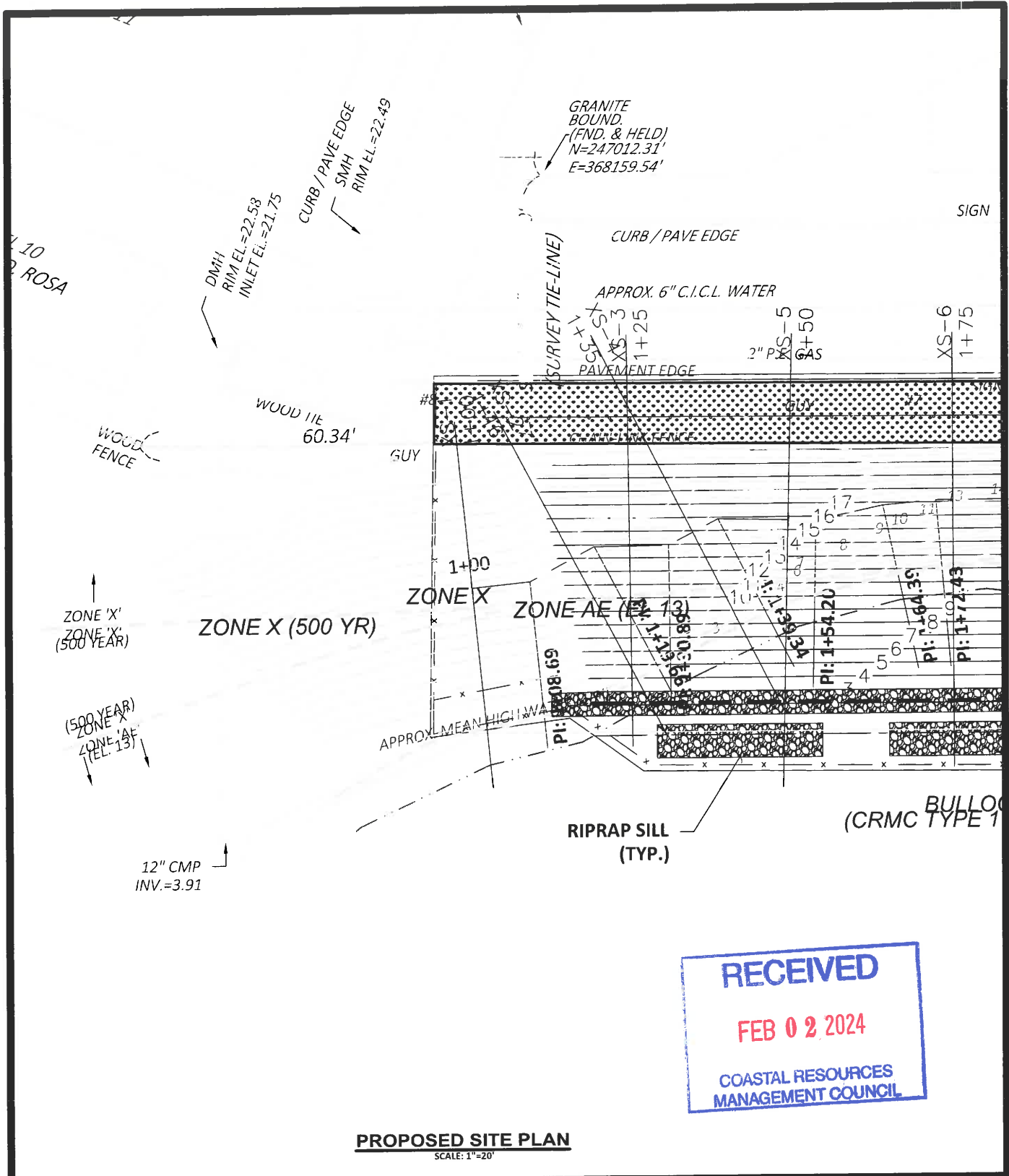
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WRIGHT-PIERCE

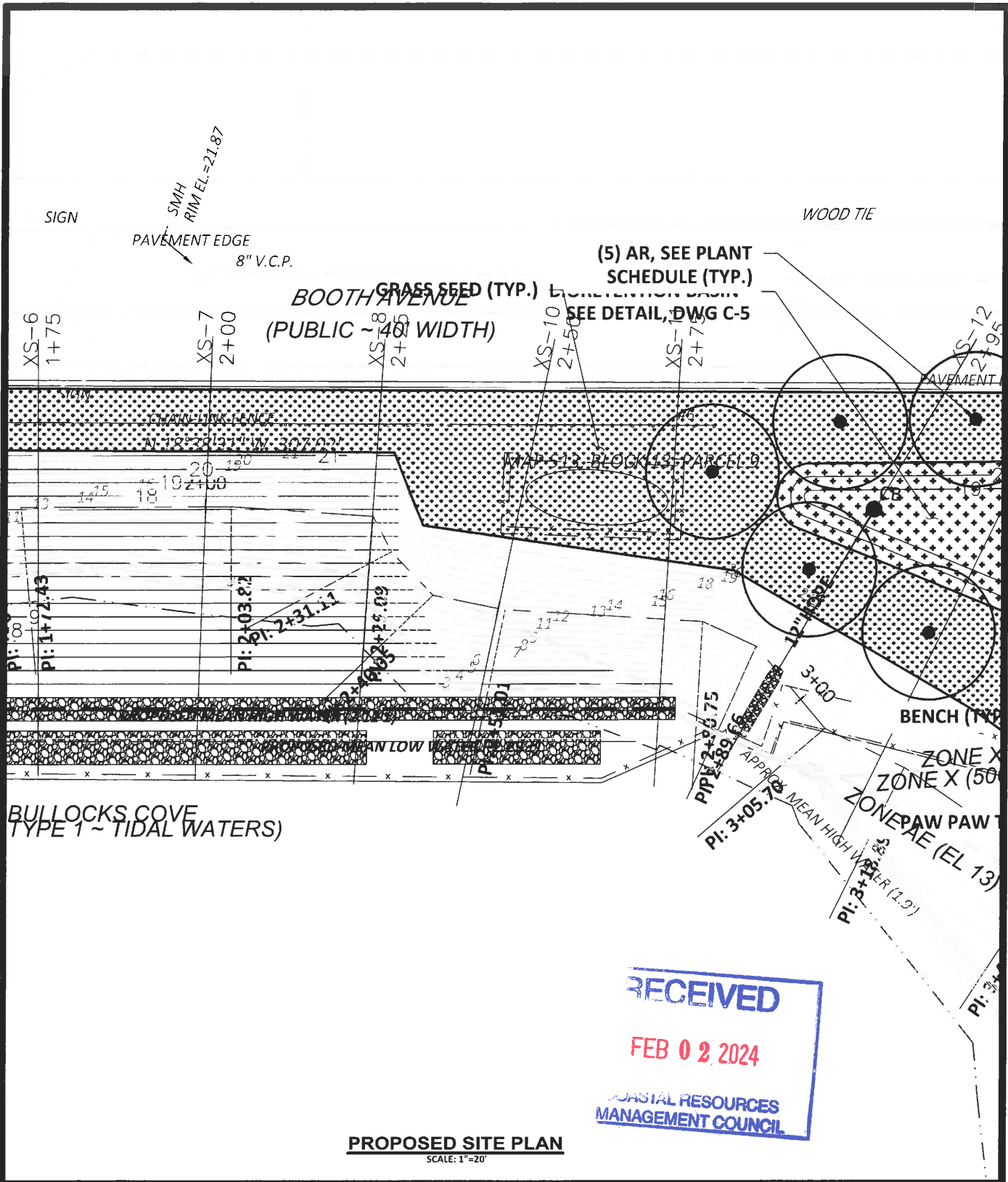
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		D-8	



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PROPOSED SITE PLAN
SCALE: 1"=20'

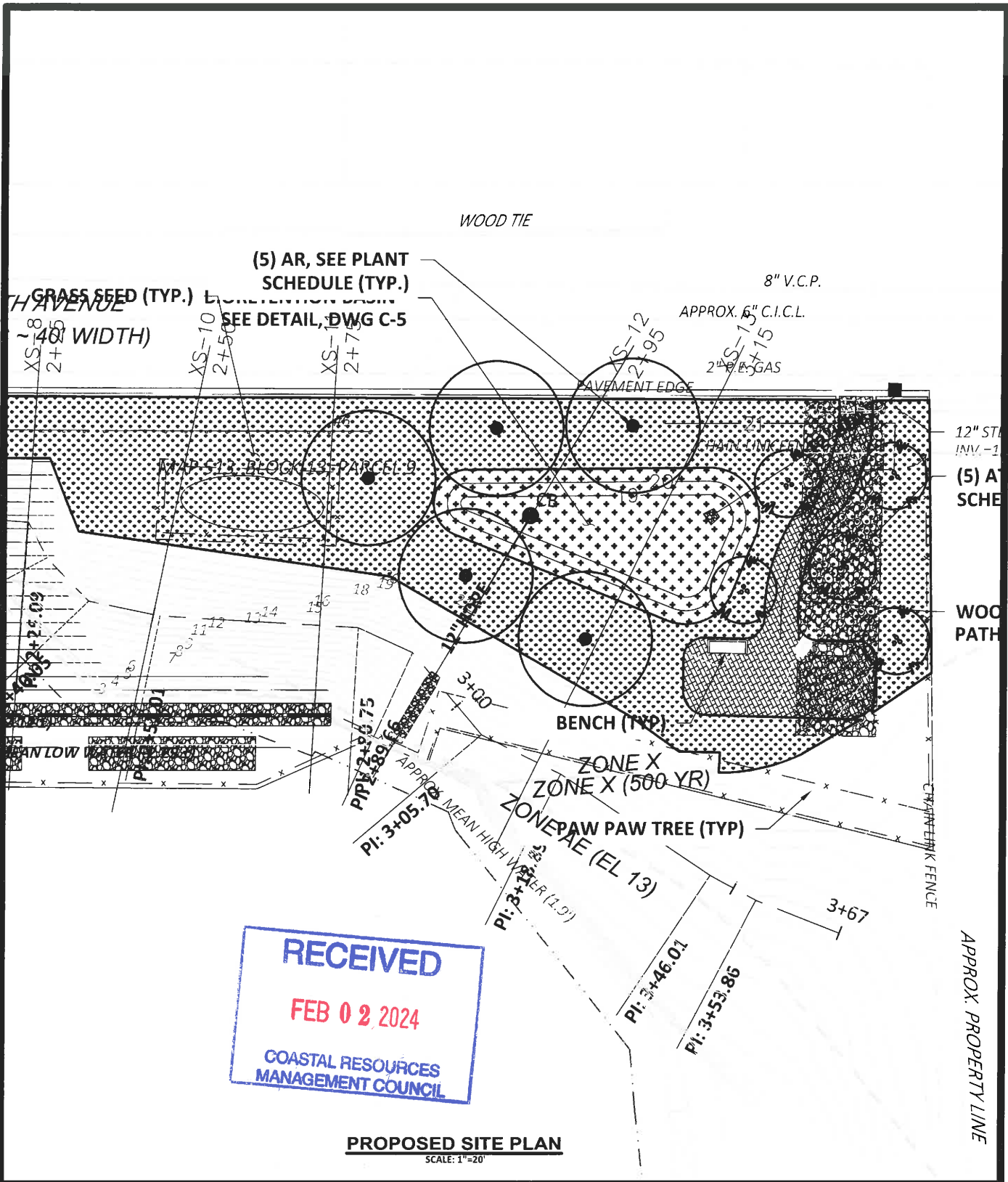
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			LS-1



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PROPOSED SITE PLAN
SCALE: 1"=20'

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WRIGHT-PIERCE			LS-2



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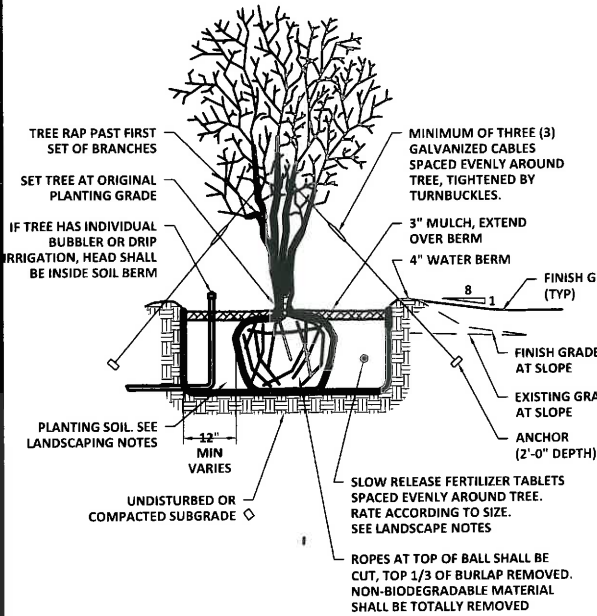
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PROPOSED SITE PLAN
SCALE: 1"=20'

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		LS-3

PLANTING NOTES:

- ALL NEW PLANT MATERIAL SHALL CONFORM TO THE REQUIREMENTS AS ESTABLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMAN, LATEST EDITION. IN ADDITION, ALL NEW PLANT MATERIAL FOR THE PROJECT SHALL BE OF THE HIGHEST SPECIMEN QUALITY.
- SEE SPECIFICATIONS FOR ITEMS NOT COVERED ON THE PLANS AND DETAILS.
- CONTRACTOR SHALL INSPECT SITE PRIOR TO BEGINNING PLANTING OPERATIONS AND NOTIFY THE ENGINEER OF ANY CONDITIONS THAT ARE NOT SUITABLE TO PERFORMING PLANTING OPERATIONS. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY CONDITIONS THAT WOULD PREVENT HEALTHY GROWTH OF PLANT MATERIAL.
- NO TREES SHALL BE PLANTED BEFORE ACCEPTANCE OF ROUGH GRADING. TREES SHALL BEAR SAME RELATIONSHIP TO FINISH GRADE AS THEY BORE TO PREVIOUS GRADE.
- PLANT GROUPING AND LOCATIONS ARE DIAGRAMMATIC. THE LOCATION OF PLANTS SHALL BE APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT. PLANTS INSTALLED PRIOR TO FIELD STAKING OR DIRECTION BY THE LANDSCAPE ARCHITECT SHALL BE REPLACED AS DIRECTED BY THE LANDSCAPE ARCHITECT AT THE CONTRACTOR'S EXPENSE.
- PLANT MATERIAL DELIVERED ON SITE SHALL BE HEALED-IN AT A SHADY LOCATION UNTIL PLANTING AREA IS PREPARED FOR INSTALLATION. ANY PLANTS REMAINING UNPLANTED ON THE SITE FOR MORE THAN 24 HOURS SHALL BE PROTECTED AND MAINTAINED INCLUDING BUT NOT LIMITED TO WATER AND SHADE. DAMAGED OR STRESSED PLANTS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- THERE WILL BE NO SUBSTITUTIONS OF PLANT MATERIAL WITHOUT PRIOR WRITTEN APPROVAL BY THE LANDSCAPE ARCHITECT. ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE ONLY AS APPROVED BY THE LANDSCAPE ARCHITECT/ENGINEER.
- THE GENERAL CONTRACTOR SHALL SUPPLY ALL NEW PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS.
- THE CONTRACTOR SHALL MAINTAIN ALL PREPARED PLANTING AREAS FREE FROM DEBRIS. NO STORAGE OR STOCKPILING SHALL OCCUR ON PLANTING AREAS.
- THE CONTRACTOR IS TO USE CARE DURING EXCAVATION AND PLANTING TO AVOID DISTURBING OR DAMAGING ANY ADJACENT CONSTRUCTION SUBSURFACE DRAINAGE OR UTILITIES. ANY DAMAGE RESULTING FROM THIS CONSTRUCTION WILL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE RESTORED AT HIS EXPENSE TO THE SATISFACTION OF THE OWNER.
- STAKE LOCATION OF ALL PROPOSED PLANTING FOR APPROVAL BY THE LANDSCAPE ARCHITECT/ENGINEER PRIOR TO COMMENCEMENT OF PLANTING.
- THE CONTRACTOR SHALL SUPPLY PLANT MATERIAL IN THE QUANTITIES INDICATED ON THE PLANS. FOR DISCREPANCIES BETWEEN THE PLANS AND THE PLANT SCHEDULE, THE PLAN QUANTITIES SHALL PREVAIL.
- ALL PLANT MATERIAL IN CONTAINERS SHALL BE WELL ESTABLISHED ROOTED MATERIAL THAT OCCUPIES THE ENTIRE VOLUME OF SPECIFIED CONTAINER.
- PLANTS WITH GIRDLING ROOTS SHALL BE REJECTED. CONTAINER GROWN PLANTS WITH TIGHT ROOT MASSES SHALL BE SCARIFIED PRIOR TO PLANTING.
- THE TREE ROOT FLARE SHALL BE EXPOSED AND PLANTED EVEN WITH THE FINISH GRADE. PREPARE ALL TREE PITS WITH PLANTING SOIL TO A MINIMUM DEPTH MATCHING THE DEPTH OF TREE ROOT BALLS.
- ALL PLANT BEDS ARE TO RECEIVE THREE INCHES (3") OF SHREDDED BARK MULCH AS SPECIFIED. NO SEPARATE PAY ITEM FOR MULCH OR AND/OR FERTILIZER PACKETS. PAID FOR UNDER PLANTING ITEMS.
- ALL EXISTING TREES TO REMAIN SHALL BE PROPERLY PROTECTED, PRUNED AND FERTILIZED PER THE SPECIFICATIONS.
- ALL LAWN AREAS DISTURBED BY CONSTRUCTION OPERATIONS INSIDE AND OUTSIDE THE LIMIT OF WORK SHALL BE LOAMED AND SEEDING AS SPECIFIED. ALL AREAS TO BE SEEDING SHALL RECEIVE SOIL PREPARATION AS SPECIFIED PRIOR TO SEEDING, UNLESS OTHERWISE NOTED ON PLAN.
- ALL AREAS TO BE SEEDING WITH GRASS SEED MIX SHALL RECEIVE 6" TOPSOIL PRIOR TO SEEDING.

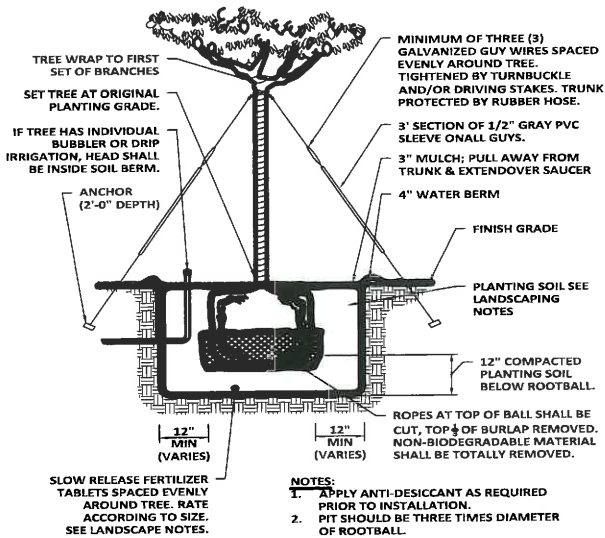


NOTES:

- APPLY ANTI-DESICCANT PRIOR TO PLANTING.
- STAKING METHOD FOR TREES UNDER 10' MAY BE SUBSTITUTED FOR GUY WIRE METHOD.
- PIT SHOULD BE THREE TIMES DIAMETER OF ROOTBALL.

TREE INSTALLATION: MULTI-STEM

SCALE: NTS



NOTES:

- APPLY ANTI-DESICCANT AS REQUIRED PRIOR TO INSTALLATION.
- PIT SHOULD BE THREE TIMES DIAMETER OF ROOTBALL.

TREE INSTALLATION: 10' AND TALLER

SCALE: NTS

PLANTING SCHEDULE

SYMB.	QTY	BOT. NAME	COMMON NAME	SIZE	ROOT	COMMENTS
FRUIT TREES						
AT	5	ASIMINA TRILOBA	PAWPAW	7'-8' HT	B&B	SINGLE STEM, FULL, HEAVY, MATCHED
DECIDUOUS TREES						
AR	5	ACER RUBRUM	RED MAPLE	2 1/2"-3" CAL.	B&B	SINGLE STEM, FULL, HEAVY, MATCHED
BRUSH BRANCHES FOR SLOPE STABILIZATION						
	200	CEPHALANTHUS OCCIDENTALIS	BUTTONBUSH	3' BRANCH	BARE ROOT	PLANT IN FALL, 3' O.C.
	200	SALIX DISCOLOR	PUSSY WILLOW	3' BRANCH	BARE ROOT	PLANT IN FALL, 3' O.C.
	200	VIBURNUM DENTATUM	ARROWWOOD	3' BRANCH	BARE ROOT	PLANT IN FALL, 3' O.C.
SEED & LOAM						
	800 SF	BIORETENTION SEED MIX	SEE SPECIFICATIONS			
	4,600 SF	GRASS SEED MIX	SEE SPECIFICATIONS			

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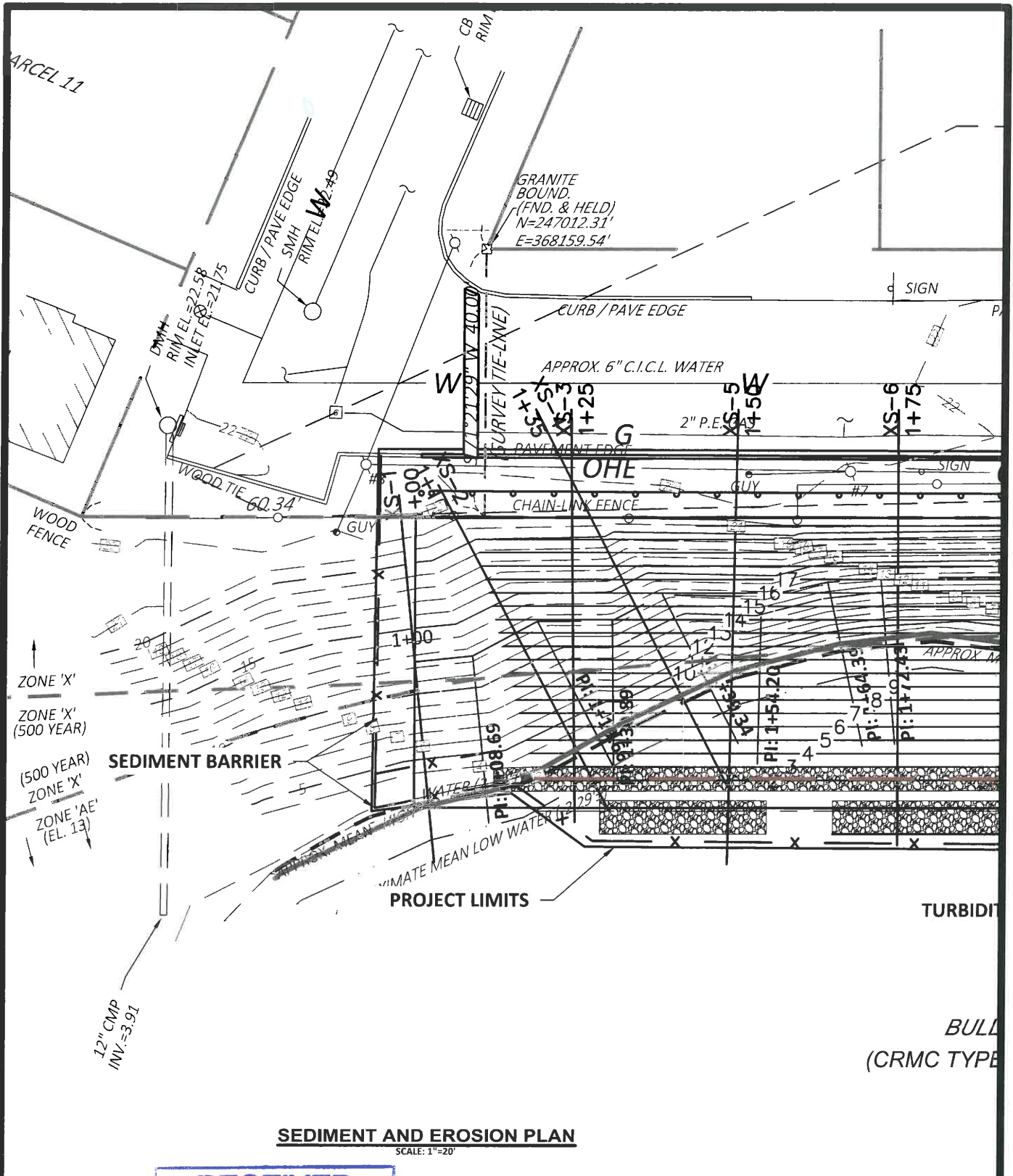
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FIGURE:

LS-4



SEDIMENT AND EROSION PLAN
SCALE: 1"=20'

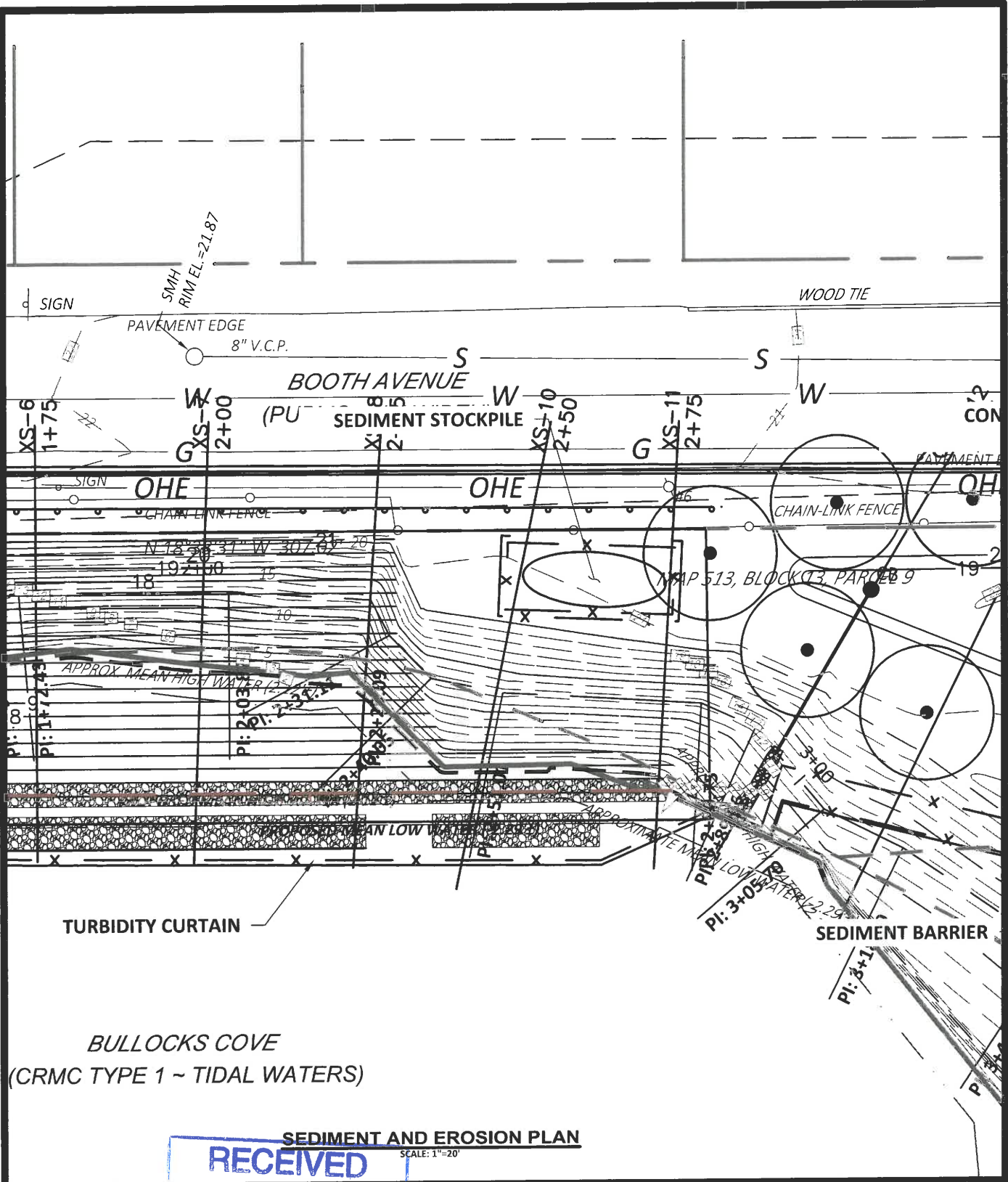
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WRIGHT PIERCE

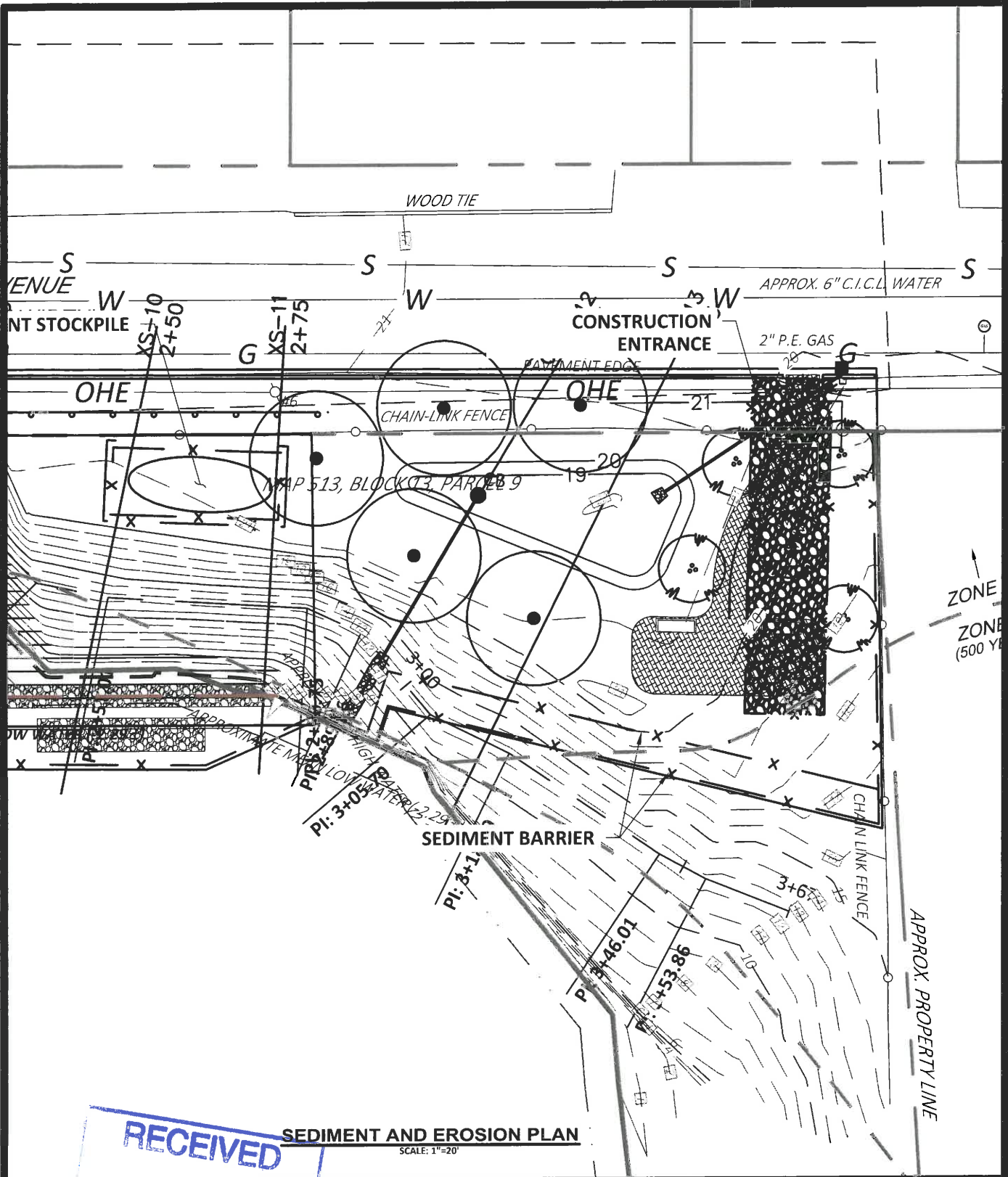
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		EC-1



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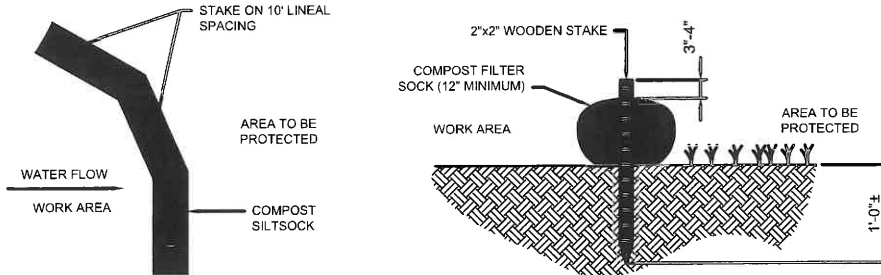
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SEDIMENT AND EROSION PLAN

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		FIGURE:
		EC-3





NOTES:

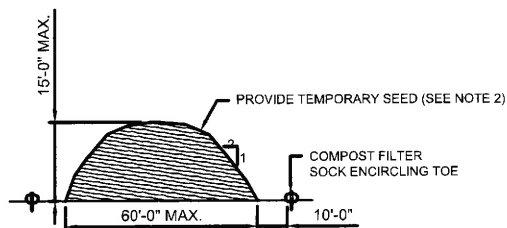
1. COMPOST/ SOIL/ ROCK/ SEED FILL TO MEET APPLICATION REQUIREMENTS.
2. COMPOST MATERIAL TO BE REMOVED OR DISPERSED ON SITE AS DETERMINED BY ENGINEER.
3. IF SOCK NETTING MUST BE JOINED, FIT BEGINNING OF NEW SOCK OVER END OF OLD SOCK, OVERLAPPING BY 2 FEET AND STACK OVERLAP. IF SOCK NETTING IS NOT JOINED, OVERLAP OLD SOCK WITH NEW ONE BY MINIMUM OF 2 FEET.

SEDIMENT BARRIER

SCALE: NTS

SEDIMENT STOCKPILE

SCALE: NTS



NOTES:

1. STOCKPILE AREA SHALL NOT EXCEED SPECIFIED DIMENSIONS WITHOUT APPROVAL FROM ENGINEER.
2. STOCKPILED ERODIBLE MATERIAL THAT WILL NOT BE USED FOR GREATER THAN 14 DAYS SHALL BE STABILIZED WITH TEMPORARY SEED IMMEDIATELY FOLLOWING PLACEMENT. USE RIDOT STD. M.18.10.5 SEED MIX.

1. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
2. EROSION AND SEDIMENTATION CONTROLS SHOWN ON THE PLANS ARE INTENDED TO REPRESENT THE MINIMUM CONTROLS NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNERS REPRESENTATIVE.
3. THE CONTRACTOR SHALL UPDATE THE SESC, AND PERFORM THE REQUIRED INSPECTION AND REPORT KEEPING ACTIVITIES OF THE SESC.
4. THE CONTRACTOR SHALL INSTALL EROSION CONTROLS PRIOR TO COMMENCING WORK.
5. THE CONTRACTOR SHALL PROVIDE DUST CONTROL VIA ON-SITE WATER TRUCK OR OTHER APPROVED METHODS.
6. THE CONTRACTOR SHALL PROVIDE CONCRETE WASHOUT AREAS.
7. THE CONTRACTOR SHALL MAINTAIN CONSTRUCTION ENTRANCES (ANTI-TRACK PADS) AT ALL POINTS OF INGRESS AND EGRESS TO THE SITE.
8. WATER FROM DEWATERING OPERATIONS SHALL BE PUMPED UPGRADIENT TO A MINIMUM STRAW-BALE ENCLOSURE OR OTHER APPROVED DEVICE. ALL DEWATERING SHOULD BE IN CONFORMANCE WITH THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
9. CONTRACTOR SHALL CONTAIN AND DISPOSE OF SITE-WASTE CONSISTENT WITH LOCAL, STATE, AND FEDERAL REGULATIONS
10. CONTRACTOR SHALL FURNISH INSTALL, AND MAINTAIN SILT SACKS IN ALL EXISTING AND NEWLY INSTALLED CATCH BASINS UNTIL THE UPSTREAM AREA IS STABILIZED.
11. THE CONTRACTOR SHALL MAINTAIN EROSION CONTROLS THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL REPLACE DAMAGED EROSION CONTROLS AT THE OWNER OR OWNERS REPRESENTATIVES REQUEST AT NO ADDITIONAL EXPENSE TO THE OWNER.
12. THE CONTRACTOR SHALL NOT LEAVE DISTURBED AREAS UNSTABILIZED FOR PERIODS MORE THAN 14 DAYS. PROVIDE TEMPORARY SEED OR MULCH ON DISTURBED AREAS THAT REMAIN EXPOSED FOR GREATER THAN 14 DAYS.
13. INSTALL EROSION CONTROLS DOWNSTREAM OF ANY DISTURBED AREAS TO REDUCE POTENTIAL FOR EROSION. CONTRACTOR SHALL INDICATE LOCATIONS OF EROSION CONTROL FOR REVIEW WITH GENERAL CONTRACTOR AND OWNERS REPRESENTATIVE PRIOR TO COMMENCING WORK.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING CONDITIONS.
15. ALL TEMPORARILY CUT UTILITIES SHALL BE PROTECTED FROM SEDIMENTATION UNTIL CONNECTED TO POST-CONSTRUCTION POSITION.
16. EXCESS TOPSOIL AND SEDIMENT CAPTURED IN EROSION CONTROL MEASURES SHALL BE STOCKPILED ON SITE AND SEEDED.
17. CONTRACTOR TO PROVIDE TEMPORARY CONSTRUCTION FENCE.
18. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE WORK AREA HAS BEEN STABILIZED.
19. CONTRACTOR SHALL CLEAN DEBRIS AND SOIL FROM ALL CATCH BASINS AND DRAINS AFTER SITE STABILIZATION AND PRIOR TO SITE ACCEPTANCE.

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			EC-4

