

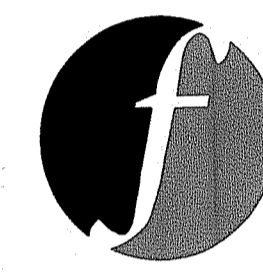
# NEWPORT TRANSFER STATION

65 HALSEY STREET · NEWPORT · RHODE ISLAND

PERMITTING PLANS

NOVEMBER 19, 2021

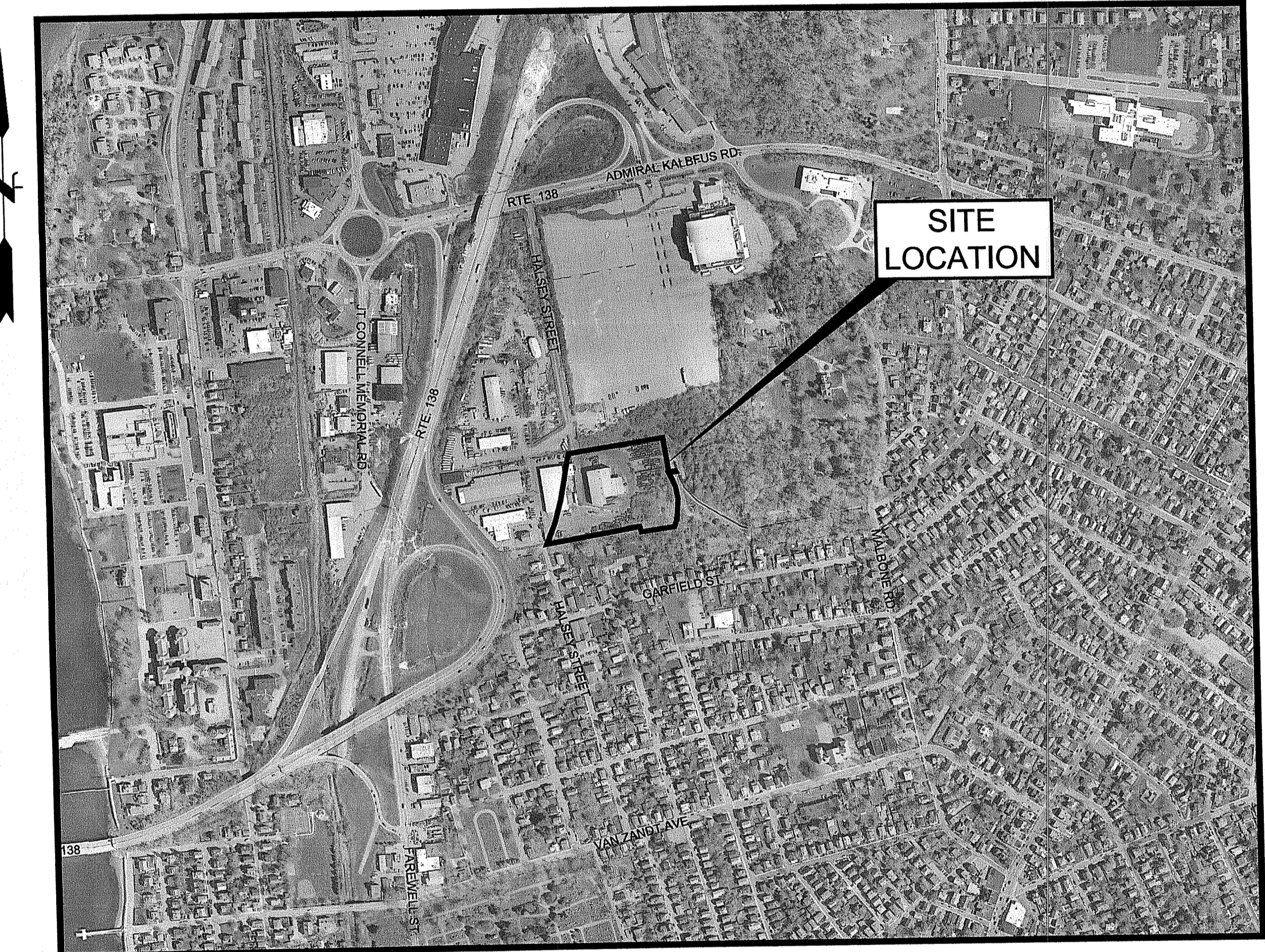
PREPARED FOR  
**WASTE MANAGEMENT OF RHODE ISLAND INC.**  
 26 PATRIOT PLACE, SUITE 300  
 FOXBORO, MA 02035



PREPARED BY  
**FUSS & O'NEILL**  
 317 IRON HORSE WAY, SUITE 204  
 PROVIDENCE, RI 02908  
 401.861.3070  
 www.fando.com

## SHEET INDEX

SHEET No.	SHEET TITLE
GI-001	COVER SHEET
CN-001	GENERAL NOTES AND LEGEND
1 TO 4	BOUNDARY & TOPOGRAPHIC SURVEY
CE-101	EROSION AND SEDIMENT CONTROL PLAN
CP-101	DEMOLITION PLAN
CS-101	SITE PLAN
CG-101	GRADING AND DRAINAGE PLAN
CU-101	UTILITY PLAN
LP-101	LANDSCAPE PLAN
S-500	RESIDENT DROP-OFF RETAINING WALL
CD-501 - CD-510	DETAILS



**LOCATION MAP**

SCALE: 1" = 500'

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED FEB 01 2022 FILE # 21-0313  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Nancy L. Freeman*

Environmental Management  
 DEC 01 2021  
 Office of Water Resources

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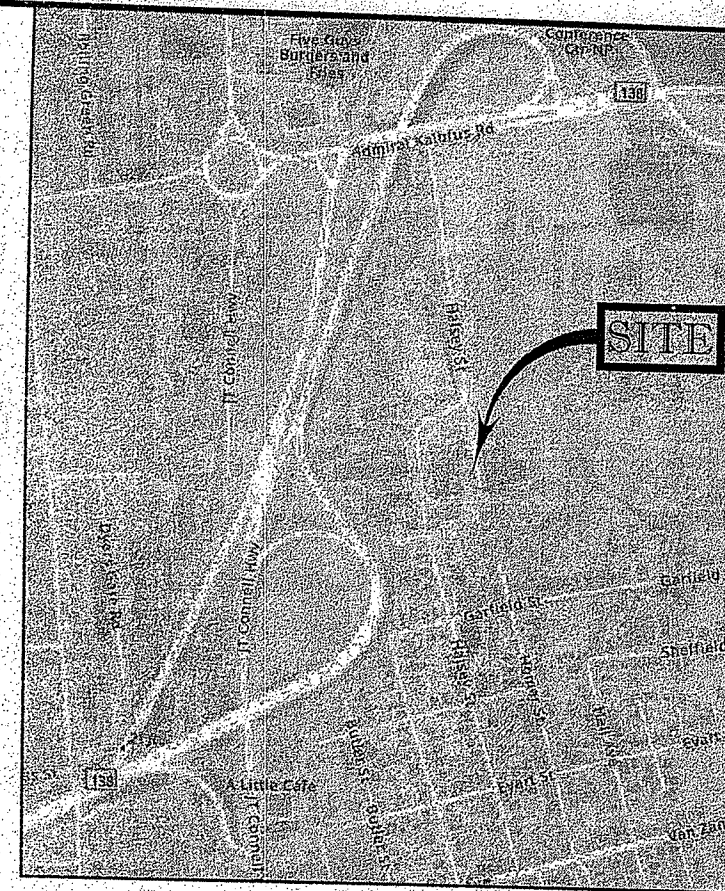
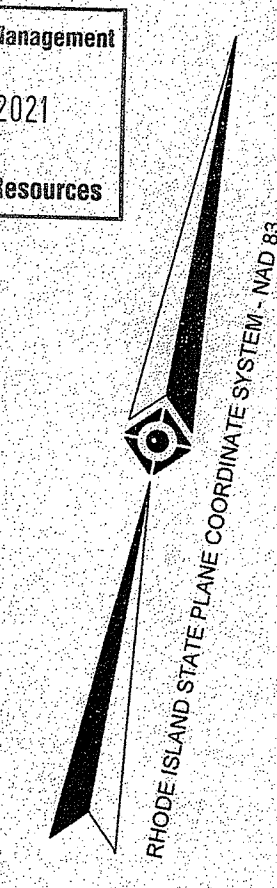
PROJ. No.: 20020969.N20  
 DATE: NOVEMBER 19, 2021

GI-001

File Path: J:\DWG\2020\969\N20\Civil\Plan\20200969.N20\_COV01.dwg, Layout: GH-001, Plotted: Tuesday, November 23, 2021, User: cviera Plotter: AUTOCAD PDF (GENERAL DOCUMENTATION).PC3 CTB File: FO.STB



Ri Environmental Management  
DEC 01 2021  
Office of Water Resources



LOCUS MAP  
© 2013 ESRI WORLD STREET MAPS  
NOT TO SCALE

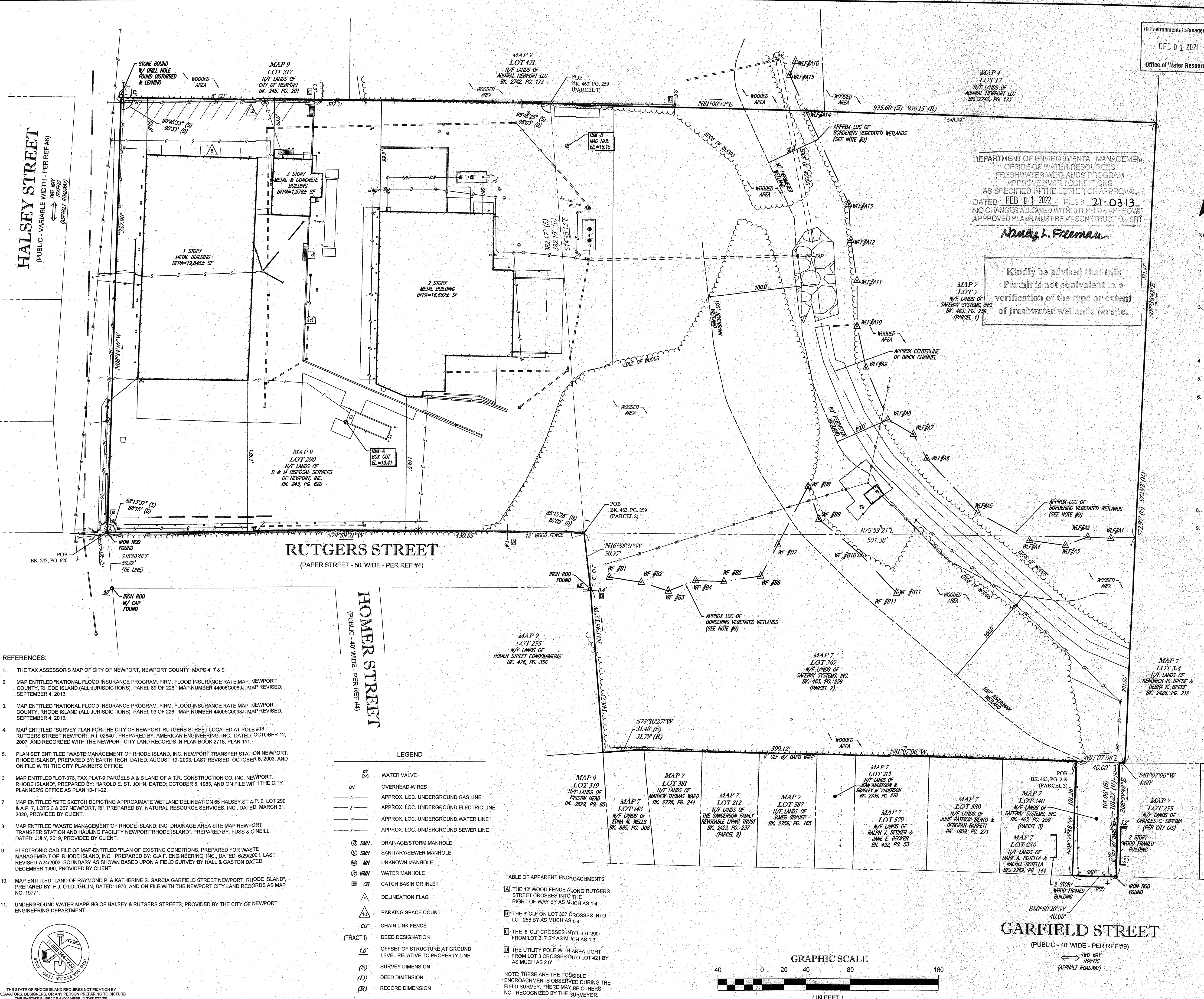
NOTES:

- PROPERTY KNOWN AS LOT 250 AS SHOWN ON THE CITY OF NEWPORT, NEWPORT COUNTY, STATE OF RHODE ISLAND MAP NO. 7.
  - LOT 280 AREA = 157,199 SQUARE FEET OR 3.608 ACRES  
LOT 3 AREA = 197,286 SQUARE FEET OR 4.529 ACRES  
LOT 367 AREA = 95,921 SQUARE FEET OR 2.202 ACRES  
LOT 340 AREA = 4,048 SQUARE FEET OR 0.093 ACRES  
TOTAL AREA = 464,454 SQUARE FEET OR 10.432 ACRES
  - LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAP AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE AS-BUILT PLANS AND UTILITY MARKOUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES BEFORE ANY EXCAVATION IS TO BEGAIN. ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES. CONTROL POINT ASSOCIATES, INC. DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OF OR ABANDONED.
  - THIS PLAN IS BASED ON INFORMATION PROVIDED BY A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC. AND OTHER REFERENCE MATERIAL AS LISTED HEREON.
  - THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE COMMITMENT AND IS SUBJECT TO THE RESTRICTIONS, COVENANTS AND/OR EASEMENTS THAT MAY BE CONTAINED THEREIN.
  - BY GRAPHIC PLOTTING ONLY PROPERTY IS LOCATED IN FLOOD HAZARD ZONE "X SHADED" (AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD) PER REF. #2.
  - ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), BASED ON GPS OBSERVATIONS UTILIZING THE KEYSTONE VRS NETWORK (KEYNETGPS) TAKEN AT THE TIME OF THE FIELD SURVEY.
- TEMPORARY BENCHMARKS SET:
- TBM-A: BOX CUT ON CONCRETE CURB AT ELEVATION = 19.41'
  - TBM-B: MAG NAIL SET IN ASPHALT PAVEMENT OF LOT 280 AT ELEVATION = 16.15'
- PRIOR TO CONSTRUCTION IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE BENCHMARKS ILLUSTRATED ON THIS SKETCH HAVE NOT BEEN DISTURBED AND THEIR ELEVATIONS HAVE BEEN CONFIRMED. ANY CONFLICTS MUST BE REPORTED PRIOR TO CONSTRUCTION.
- THE OFFSETS SHOWN ARE NOT TO BE USED FOR THE CONSTRUCTION OF ANY STRUCTURE, FENCE, PERMANENT ADDITION, ETC.
  - THE WETLAND DELINEATION LINE WAS PLACED IN THE FIELD BY EDWARD J. AZOVINIS OF NATURAL RESOURCE SERVICES, INC. ON 3-31-2020 AND FIELD LOCATED BY CONTROL POINT ASSOCIATES, INC. ON MAY 14, 2021.

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REFERENCES:

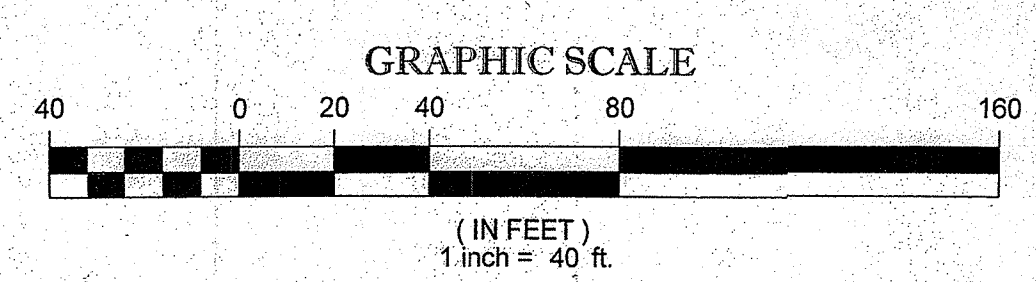
- THE TAX ASSESSOR'S MAP OF CITY OF NEWPORT, NEWPORT COUNTY, MAPS 4, 7 & 9.
- MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, NEWPORT COUNTY, RHODE ISLAND (ALL JURISDICTIONS), PANEL 89 OF 226," MAP NUMBER 44005C0093, MAP REVISED: SEPTEMBER 4, 2013.
- MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, NEWPORT COUNTY, RHODE ISLAND (ALL JURISDICTIONS), PANEL 93 OF 226," MAP NUMBER 44005C0093, MAP REVISED: SEPTEMBER 4, 2013.
- MAP ENTITLED "SURVEY PLAN FOR THE CITY OF NEWPORT RUTGERS STREET LOCATED AT POLÉ #13 - RUTGERS STREET NEWPORT, R.I. 02840," PREPARED BY: AMERICAN ENGINEERING, INC., DATED: OCTOBER 12, 2007, AND RECORDED WITH THE NEWPORT CITY LAND RECORDS IN PLAN BOOK 2718, PLAN 111.
- PLAN SET ENTITLED "WASTE MANAGEMENT OF RHODE ISLAND, INC. NEWPORT TRANSFER STATION NEWPORT, RHODE ISLAND," PREPARED BY: EARTH TECH, DATED: AUGUST 19, 2003, LAST REVISED: OCTOBER 6, 2003, AND ON FILE WITH THE CITY PLANNER'S OFFICE.
- MAP ENTITLED "LOT-376, TAX PLAT-9 PARCELS A & B LAND OF A.T.R. CONSTRUCTION CO. INC. NEWPORT, RHODE ISLAND," PREPARED BY: HAROLD E. ST. JOHN, DATED: OCTOBER 5, 1983, AND ON FILE WITH THE CITY PLANNER'S OFFICE AS PLAN 10-11-22.
- MAP ENTITLED "SITE SKETCH DEPICTING APPROXIMATE WETLAND DELINEATION 65 HALSEY ST A.P. 9, LOT 280 & A.P. 7, LOTS 3 & 367 NEWPORT, RI," PREPARED BY: NATURAL RESOURCE SERVICES, INC., DATED: MARCH 31, 2020, PROVIDED BY CLIENT.
- MAP ENTITLED "WASTE MANAGEMENT OF RHODE ISLAND, INC. DRAINAGE AREA SITE MAP NEWPORT TRANSFER STATION AND HAULING FACILITY NEWPORT RHODE ISLAND," PREPARED BY: FUSS & O'NEILL, DATED: JULY, 2019, PROVIDED BY CLIENT.
- ELECTRONIC CAD FILE OF MAP ENTITLED "PLAN OF EXISTING CONDITIONS. PREPARED FOR WASTE MANAGEMENT OF RHODE ISLAND, INC." PREPARED BY: G.A.F. ENGINEERING, INC., DATED: 6/29/2001, LAST REVISED 7/24/2003. BOUNDARY AS SHOWN BASED UPON A FIELD SURVEY BY HALL & GASTON DATED: DECEMBER 1990, PROVIDED BY CLIENT.
- MAP ENTITLED "LAND OF RAYMOND P. & KATHERINE S. GARCIA GARFIELD STREET NEWPORT, RHODE ISLAND," PREPARED BY: F.J. O'LOUGHLIN, DATED: 1976, AND ON FILE WITH THE NEWPORT CITY LAND RECORDS AS MAP NO. 19771.
- UNDERGROUND WATER MAPPING OF HALSEY & RUTGERS STREETS, PROVIDED BY THE CITY OF NEWPORT ENGINEERING DEPARTMENT.

LEGEND

- WV WATER VALVE
- OH OVERHEAD WIRES
- APPROX. LOC. UNDERGROUND GAS LINE
- APPROX. LOC. UNDERGROUND ELECTRIC LINE
- APPROX. LOC. UNDERGROUND WATER LINE
- APPROX. LOC. UNDERGROUND SEWER LINE
- DMH DRAINAGE/STORM MANHOLE
- SMH SANITARY/SEWER MANHOLE
- UMH UNKNOWN MANHOLE
- WMH WATER MANHOLE
- CB CATCH BASIN OR INLET
- DEL DELINEATION FLAG
- PC PARKING SPACE COUNT
- CLF CHAIN LINK FENCE
- (TRACT I) DEED DESIGNATION
- 1.0' OFFSET OF STRUCTURE AT GROUND LEVEL RELATIVE TO PROPERTY LINE
- (S) SURVEY DIMENSION
- (D) DEED DIMENSION
- (R) RECORD DIMENSION

TABLE OF APPARENT ENCROACHMENTS

- 1. THE 12' WOOD FENCE ALONG RUTGERS STREET CROSSES INTO THE RIGHT-OF-WAY BY AS MUCH AS 1.4'
  - 2. THE 6' CLF ON LOT 367 CROSSES INTO LOT 255 BY AS MUCH AS 0.4'
  - 3. THE 8' CLF CROSSES INTO LOT 280 FROM LOT 317 BY AS MUCH AS 1.3'
  - 4. THE UTILITY POLE WITH AREA LIGHT FROM LOT 3 CROSSES INTO LOT 421 BY AS MUCH AS 2.6'
- NOTE: THESE ARE THE POSSIBLE ENCROACHMENTS OBSERVED DURING THE FIELD SURVEY. THERE MAY BE OTHERS NOT RECOGNIZED BY THE SURVEYOR.



SEE SHEET 2 THRU 4 OF 4 FOR TOPOGRAPHIC DETAIL

No.	DESCRIPTION OF REVISION	FIELD CREW	DRAWN	APPROVED:
3	REVISED PER RECEIPT OF CLIENT COMMENTS		A.L.S.	J.P.L.
2	REVISED PER RECEIPT OF CLIENT COMMENTS		BAV	J.P.L.
1	REVISED PER RECEIPT OF CLIENT COMMENTS		C.E.L.	J.P.L.

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO 455-RICR-00-00-1.9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON APRIL 28, 2018 AS FOLLOWS:

- TYPE OF BOUNDARY SURVEY: MEASUREMENT SPECIFICATION  
COMPREHENSIVE BOUNDARY SURVEY I
- OTHER TYPE OF SURVEY: MEASUREMENT SPECIFICATION  
DATA ACCUMULATION SURVEY III  
PLANIMETRIC SURVEY, TOPOGRAPHIC SURVEY  
VERTICAL CONTROL STANDARD V-3  
TOPOGRAPHIC SURVEY ACCURACY T-2
- THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THIS PLAN IS AS FOLLOWS:  
PREPARE BOUNDARY SURVEY AND OBTAIN TOPOGRAPHIC AND PLANIMETRIC INFORMATION FOR USE AS A BACKGROUND DOCUMENT FOR SITE PLAN PREPARATION.

NOT A VALID ORIGINAL DOCUMENT UNLESS EMBOSSED WITH RAISED IMPRESSION OR STAMPED WITH A BLUE INK SEAL

JOHN P. LYNCH  
No. 1925  
PROFESSIONAL LAND SURVEYOR

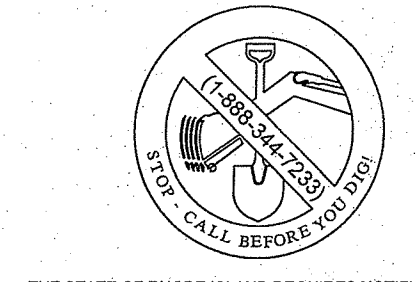
JOHN P. LYNCH  
RHODE ISLAND PROFESSIONAL LAND SURVEYOR #1925  
CERTIFICATE OF AUTHORIZATION #4350

FIELD DATE: 5-14-2021  
FIELD BOOK NO: 6-01-2021  
FIELD BOOK NO: 21-02 MA 21-04 MA  
FIELD BOOK NO: 57-60 41-42  
FIELD CREW: B.S.B. J.S.A.  
DRAWN: B.A.V.  
REVIEWED: S.P.P.  
DATE: 6-07-2021  
SCALE: 1" = 40'  
FILE NO: 03-210075-00  
DWG. NO: 1 OF

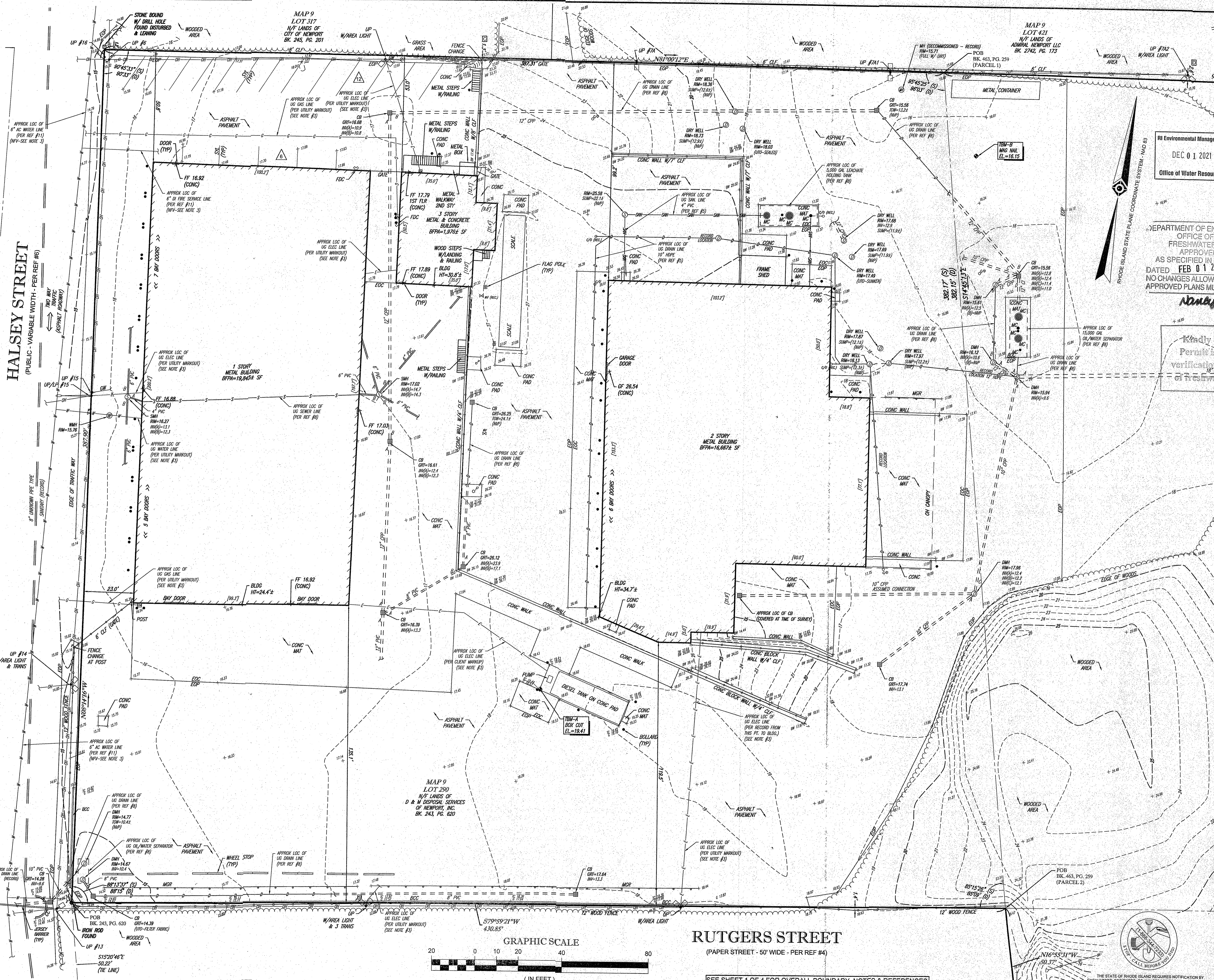
BOUNDARY & TOPOGRAPHIC SURVEY  
FUSS & O'NEILL, INC.  
65 HALSEY STREET  
LOT 290, MAP 9 & LOT 3, 340 & 367, MAP 7  
CITY OF NEWPORT, NEWPORT COUNTY  
STATE OF RHODE ISLAND

CONTROL POINT ASSOCIATES, INC.  
332 TURNPIKE ROAD  
SOUTHBOROUGH, MA 01772  
508.948.3000 • 508.948.3003 FAX  
WWW.CONTROLPOINT.COM

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THE STATE OF RHODE ISLAND REQUIRES NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE.



**LEGEND**

---	EXISTING CONTOUR
123.45	EXISTING SPOT ELEVATION
X TC 123.45	EXISTING TOP OF CURB ELEVATION
X G 123.45	EXISTING GUTTER ELEVATION
X TW 123.45	EXISTING TOP OF WALL ELEVATION
X BW 123.45	EXISTING BOTTOM OF WALL ELEVATION
X FF 123.45	EXISTING FINISHED FLOOR ELEVATION
X OS 123.45	EXISTING DOOR SILL ELEVATION
X G 123.45	EXISTING GARAGE FLOOR ELEVATION
⊕	HYDRANT
⊕	WATER VALVE
⊕	GAS METER
⊕	ELECTRIC METER
⊕	OVERHEAD WIRES
---	APPROX. LOC. UNDERGROUND GAS LINE
---	APPROX. LOC. UNDERGROUND ELECTRIC LINE
---	APPROX. LOC. UNDERGROUND WATER LINE
UP #	UTILITY POLE
UP/LP #	UTILITY POLE/LIGHT POLE
---	GUY WIRE
---	TRAFFIC SIGNAL
---	AREA LIGHT
---	CLEAN OUT
---	SIGN
---	BOLLARD
---	POST
⊕	DMH DRAINAGE/STORM MANHOLE
⊕	SMH SANITARY/SEWER MANHOLE
⊕	UMH UNKNOWN MANHOLE
⊕	WMH WATER MANHOLE
⊕	CB CATCH BASIN OR INLET
⊕	DLN DELINEATION FLAG
---	PARKING SPACE COUNT
---	STL SOLID YELLOW LINE
---	HT HEIGHT
---	BLDG BUILDING
---	BFFA BUILDING FOOTPRINT AREA
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---	UTO UNABLE TO OPEN
---	PVC POLYVINYL CHLORIDE PIPE
---	CI CAST IRON PIPE
---	COP CORRUGATED PLASTIC PIPE
---	INV INVERT ELEVATION
---	GRT GRATE ELEVATION
---	CLF CHAIN LINK FENCE
---	EDC EDGE OF CONCRETE
---	EDP EDGE OF PAVEMENT
---	MC METAL COVER
---	(TYP) TYPICAL
(TRACT I)	DEED DESIGNATION
---	1.0' OFFSET OF STRUCTURE AT GROUND LEVEL RELATIVE TO PROPERTY LINE
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RI Environmental Management  
DEC 01 2021  
Office of Water Resources

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3	REVISED PER RECEIPT OF CLIENT COMMENTS	A.L.S.	J.P.L.	9-02-2021	
2	REVISED PER RECEIPT OF CLIENT COMMENTS	B.A.V.	J.P.L.	7-19-2021	
1	REVISED PER RECEIPT OF CLIENT COMMENTS	C.E.L.	J.P.L.	6-22-2021	
NA	DESCRIPTION OF REVISION	FIELD CREW	DRAWN	APPROVED	DATE

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO 43B-RICR-00-013 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON APRIL 25, 2018 AS FOLLOWS:

- TYPE OF BOUNDARY SURVEY: MEASUREMENT SPECIFICATION: COMPREHENSIVE BOUNDARY SURVEY I
- OTHER TYPE OF SURVEY: MEASUREMENT SPECIFICATION: DATA ACCUMULATION SURVEY III (PLANIMETRIC SURVEY, TOPOGRAPHIC SURVEY) VERTICAL CONTROL STANDARD V3 TOPOGRAPHIC SURVEY ACCURACY T2
- THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THIS PLAN IS AS FOLLOWS: PREPARE BOUNDARY SURVEY AND OBTAIN TOPOGRAPHIC AND PLANIMETRIC INFORMATION FOR USE AS A BACKGROUND DOCUMENT FOR SITE PLAN PREPARATION.

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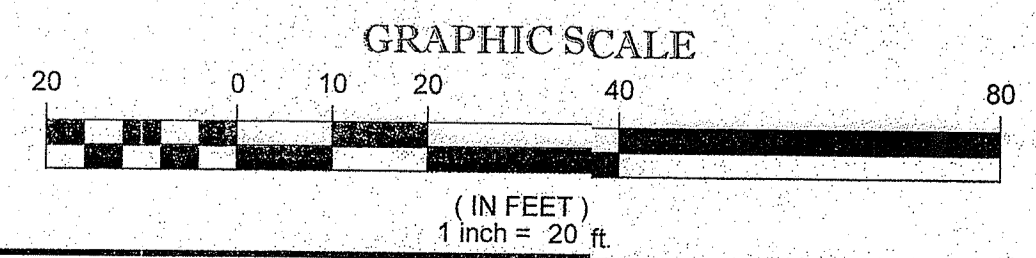
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DATE: 9-02-2021

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CERTIFICATE OF AUTHORIZATION #A350

**BOUNDARY & TOPOGRAPHIC SURVEY**  
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65 HALSEY STREET  
LOT 290, MAP 9 & LOT 3, 340 & 367, MAP 7  
CITY OF NEWPORT, NEWPORT COUNTY  
STATE OF RHODE ISLAND

**CONTROL POINT ASSOCIATES, INC.**  
ALBANY, NY 518-217-5010  
CELEBRATION, PA 215-712-8800  
HAUPPAUGE, NY 631-380-2665  
MANHATTAN, NY 646-780-9411  
MT LAUREL, NJ 609-857-2099  
WARREN, NJ 908-666-9009

FIELD DATE: 5-14-2021  
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FIELD BOOK NO: 21-02 MA  
21-04 MA  
FIELD BOOK PG: 57-60  
41-42  
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J.S.A.  
DRAWN: B.A.V.  
REVIEWED: S.P.P.  
APPROVED: J.P.L.  
DATE: 6-07-2021  
SCALE: 1" = 20'  
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DWG. NO: 2 OF 4



**RUTGERS STREET**  
(PAPER STREET - 50' WIDE - PER REF #4)

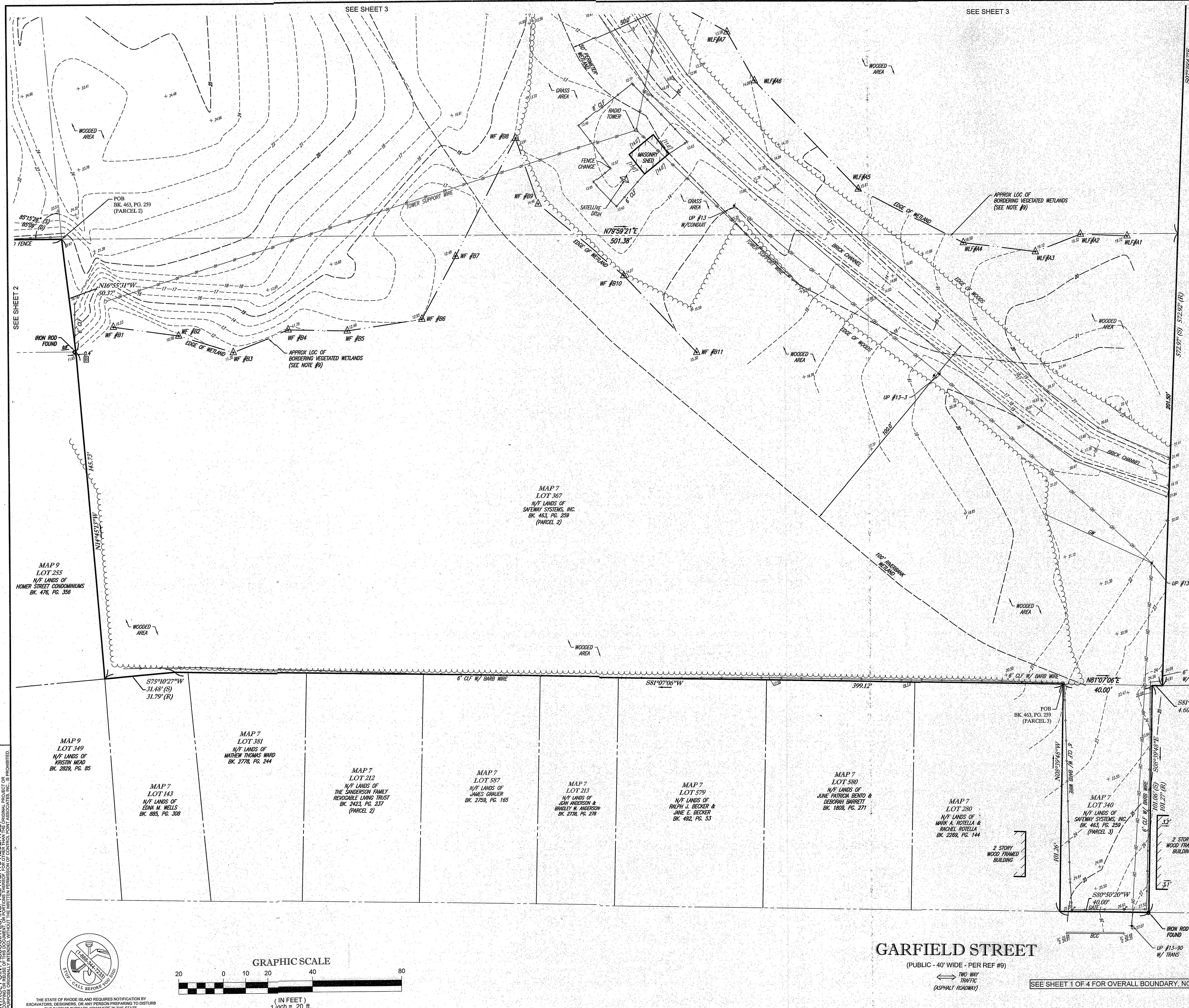
SEE SHEET 1 OF 4 FOR OVERALL BOUNDARY, NOTES & REFERENCES

SEE SHEET 4

SEE SHEET 4

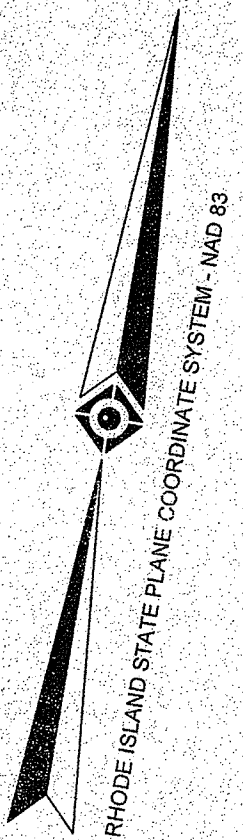
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**LEGEND**

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X 10 123.45	EXISTING TOP OF CURB ELEVATION
X G 122.85	EXISTING GUTTER ELEVATION
X 1W 123.45	EXISTING TOP OF WALL ELEVATION
X BW 122.25	EXISTING BOTTOM OF WALL ELEVATION
X F 123.45	EXISTING FINISHED FLOOR ELEVATION
X OS 123.45	EXISTING DOOR SILL ELEVATION
X OF 123.45	EXISTING GARAGE FLOOR ELEVATION
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□	AREA LIGHT
C/O	CLEAN OUT
—	SIGN
•	BOLLARD
Po	POST
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INV	INVERT ELEVATION
GRT	GRATE ELEVATION
CLF	CHAIN LINK FENCE
EOC	EDGE OF CONCRETE
EOP	EDGE OF PAVEMENT
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(TRACT 1)	DEED DESIGNATION
1.0'	OFFSET OF STRUCTURE AT GROUND LEVEL RELATIVE TO PROPERTY LINE
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*Nancy L. Freeman*

MAP 7  
LOT 344  
N/F LANDS OF  
KENNEDY & BREDE &  
DEBRA K. BREDE  
BK. 2428, PG. 212

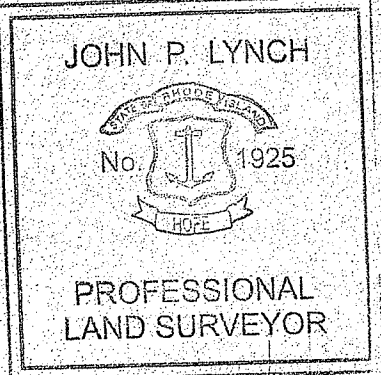
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1	REVISED PER RECEIPT OF CLIENT COMMENTS	C.E.L.	J.P.L.	6-22-2021	
No.	DESCRIPTION OF REVISION	FIELD CREW	DRAWN	APPROVED	DATE

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO 485-RICR-00-001.9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON APRIL 28, 2016 AS FOLLOWS:

1. TYPE OF BOUNDARY SURVEY: COMPREHENSIVE BOUNDARY SURVEY. MEASUREMENT SPECIFICATION: I
2. OTHER TYPE OF SURVEY: DATA ACCUMULATION SURVEY (PLANIMETRIC SURVEY, TOPOGRAPHIC SURVEY). MEASUREMENT SPECIFICATION: III. VERTICAL CONTROL STANDARD: V-3. TOPOGRAPHIC SURVEY ACCURACY: T-2.
3. THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THIS PLAN IS AS FOLLOWS: PREPARE BOUNDARY SURVEY AND OBTAIN TOPOGRAPHIC AND PLANIMETRIC INFORMATION FOR USE AS A BACKGROUND DOCUMENT FOR SITE PLAN PREPARATION.

NOT A VALID ORIGINAL DOCUMENT UNLESS EMBOSSED WITH RAISED IMPRESSION OR STAMPED WITH A BLUE INK SEAL

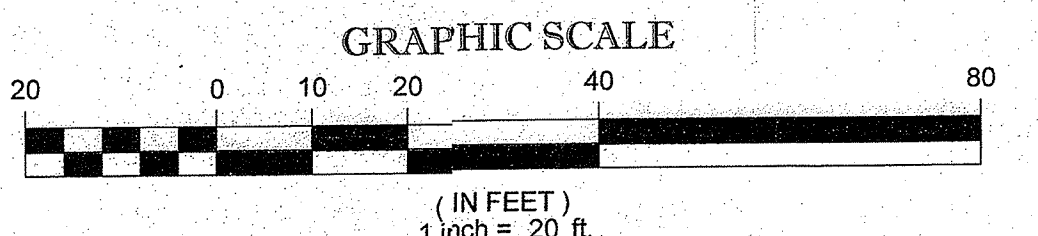


**JOHN P. LYNCH**  
RHODE ISLAND PROFESSIONAL LAND SURVEYOR #1925  
CERTIFICATE OF AUTHORIZATION #A350

**BOUNDARY & TOPOGRAPHIC SURVEY**  
**FUSS & O'NEILL, INC.**  
65 HALSEY STREET  
LOT 290, MAP 9 & LOT 3, 340 & 367, MAP 7  
CITY OF NEWPORT, NEWPORT COUNTY  
STATE OF RHODE ISLAND

FIELD DATE	5-14-2021
FIELD DATE	6-01-2021
FIELD BOOK NO.	21-02 MA
FIELD BOOK NO.	21-04 MA
FIELD BOOK PG.	57-60
FIELD BOOK PG.	41-42
FIELD CREW	B.S.B. J.S.A.
DRAWN	B.A.V.
REVIEWED	S.P.P.
APPROVED	J.P.L.
DATE	6-07-2021
SCALE	1" = 20'
FILE NO.	03-210075-00
DWG. NO.	4 OF 4

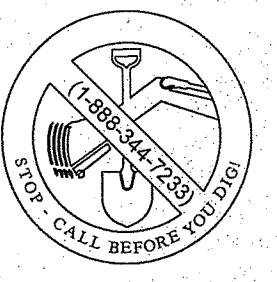
**CONTROL POINT ASSOCIATES, INC.**  
352 TURNPIKE ROAD  
SOUTHBOROUGH, MA 01772  
308.348.3000 - 308.348.3003 FAX  
WWW.CPASURVEY.COM



**GARFIELD STREET**  
(PUBLIC - 40' WIDE - PER REF #9)  
TWO WAY TRAFFIC (ASPHALT ROADWAY)

SEE SHEET 1 OF 4 FOR OVERALL BOUNDARY, NOTES & REFERENCES

CONTROL POINT ASSOCIATES, INC. ALL RIGHTS RESERVED. EXCAVATORS, ENGINEERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE.

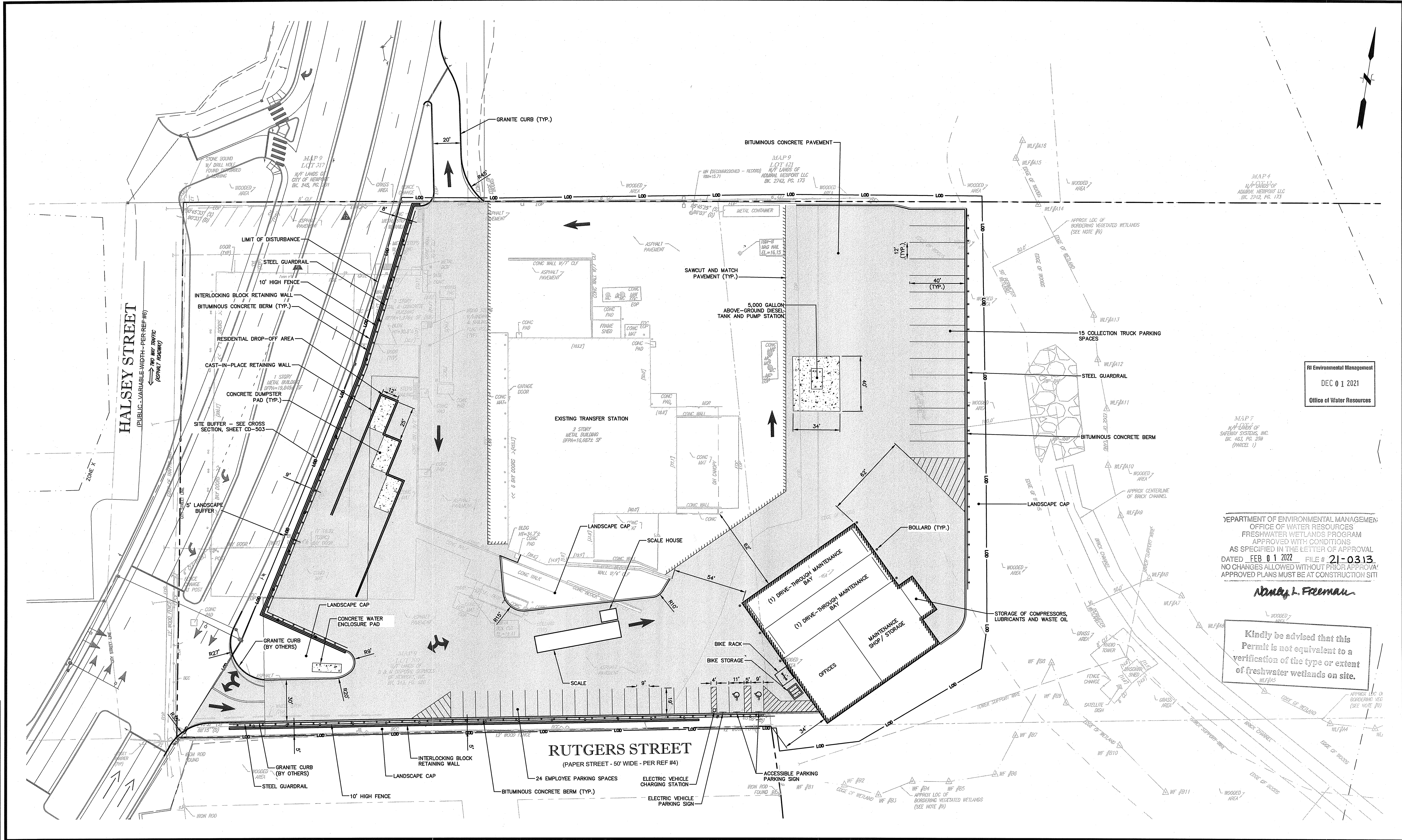


THE STATE OF RHODE ISLAND REQUIRES NOTIFICATION BY EXCAVATORS, ENGINEERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE.





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 LAYER STATE:



RI Environmental Management  
 DEC 01 2021  
 Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED FEB 01 2022 FILE # 21-0313  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Nancy L. Freeman*

Kindly be advised that this  
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No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
2	11/19/2021	PRELIMINARY PLAN AND STORMWATER PERMITTING PLANS	CEV	SMM
1	11/16/2021	MASTER PLAN	CEV	BEK

SEAL

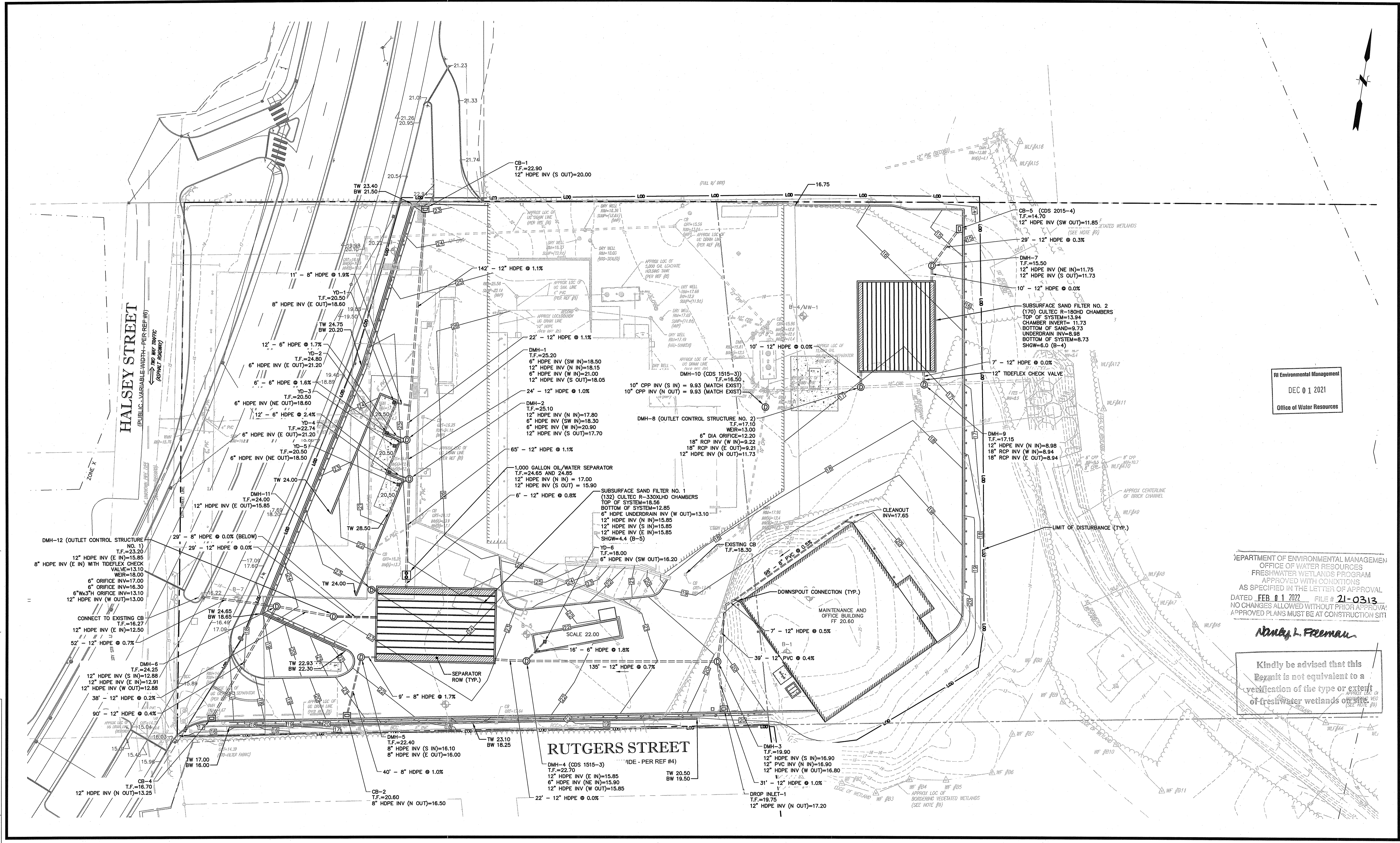
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 VERT.:  
 DATUM:  
 HORZ.: NAD83  
 VERT.: NAVD88

**FUSS & O'NEILL**  
 317 IRON HORSE WAY, SUITE 204  
 PROVIDENCE, RI 02908  
 401.861.3070  
 www.fando.com

WASTE MANAGEMENT OF RHODE ISLAND, INC.  
 SITE PLAN  
 NEWPORT TRANSFER STATION  
 65 HALSEY STREET  
 NEWPORT, RHODE ISLAND

PROJ. No.: 20020969N20  
 DATE: NOVEMBER 19, 2021  
**CS-101**

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 LAYER STATE:



RI Environmental Management  
 DEC 01 2021  
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
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SEAL

**RUTGERS STREET**  
 DMH-4 (CDS 1515-3)  
 T.F.=22.70  
 12" HDPE INV (E IN)=15.85  
 6" HDPE INV (NE IN)=15.90  
 12" HDPE INV (W OUT)=15.85  
 TW 20.50  
 BW 19.50

SCALE:  
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 VERT.:  
 DATUM:  
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 VERT.: NAVD88

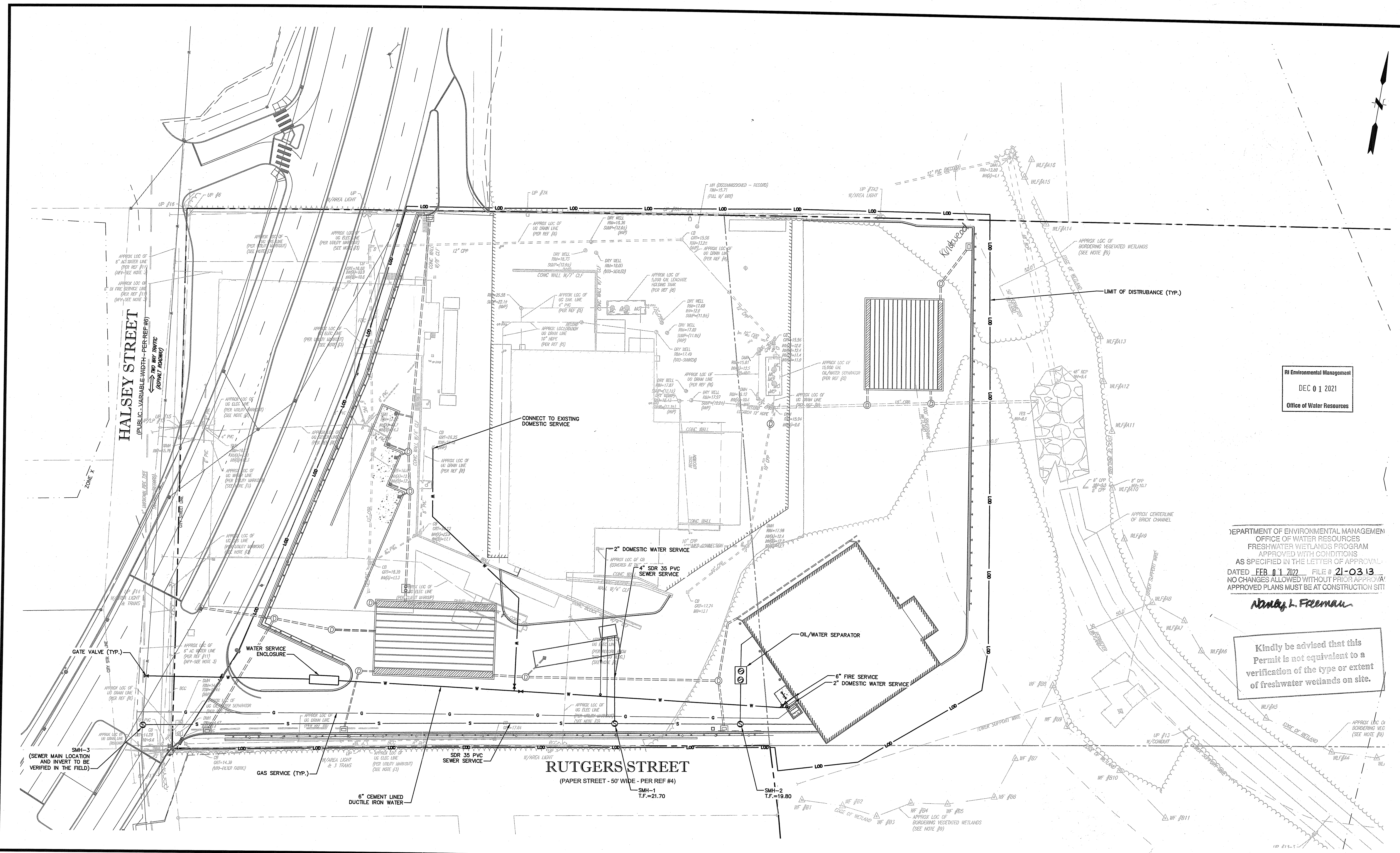
GRAPHIC SCALE

**FUSS & O'NEILL**  
 317 IRON HORSE WAY, SUITE 204  
 PROVIDENCE, RI 02908  
 401.861.3070  
 www.fando.com

WASTE MANAGEMENT OF RHODE ISLAND, INC.  
 GRADING AND DRAINAGE PLAN  
 NEWPORT TRANSFER STATION  
 65 HALSEY STREET  
 NEWPORT, RHODE ISLAND

PROJ. No.: 20020909N20  
 DATE: NOVEMBER 19, 2021  
**CG-101**

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 LAYER STATE:



RI Environmental Management  
 DEC 01 2021  
 Office of Water Resources

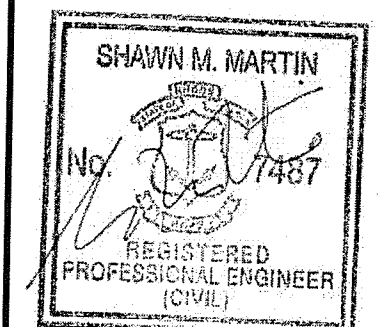
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
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SEAL



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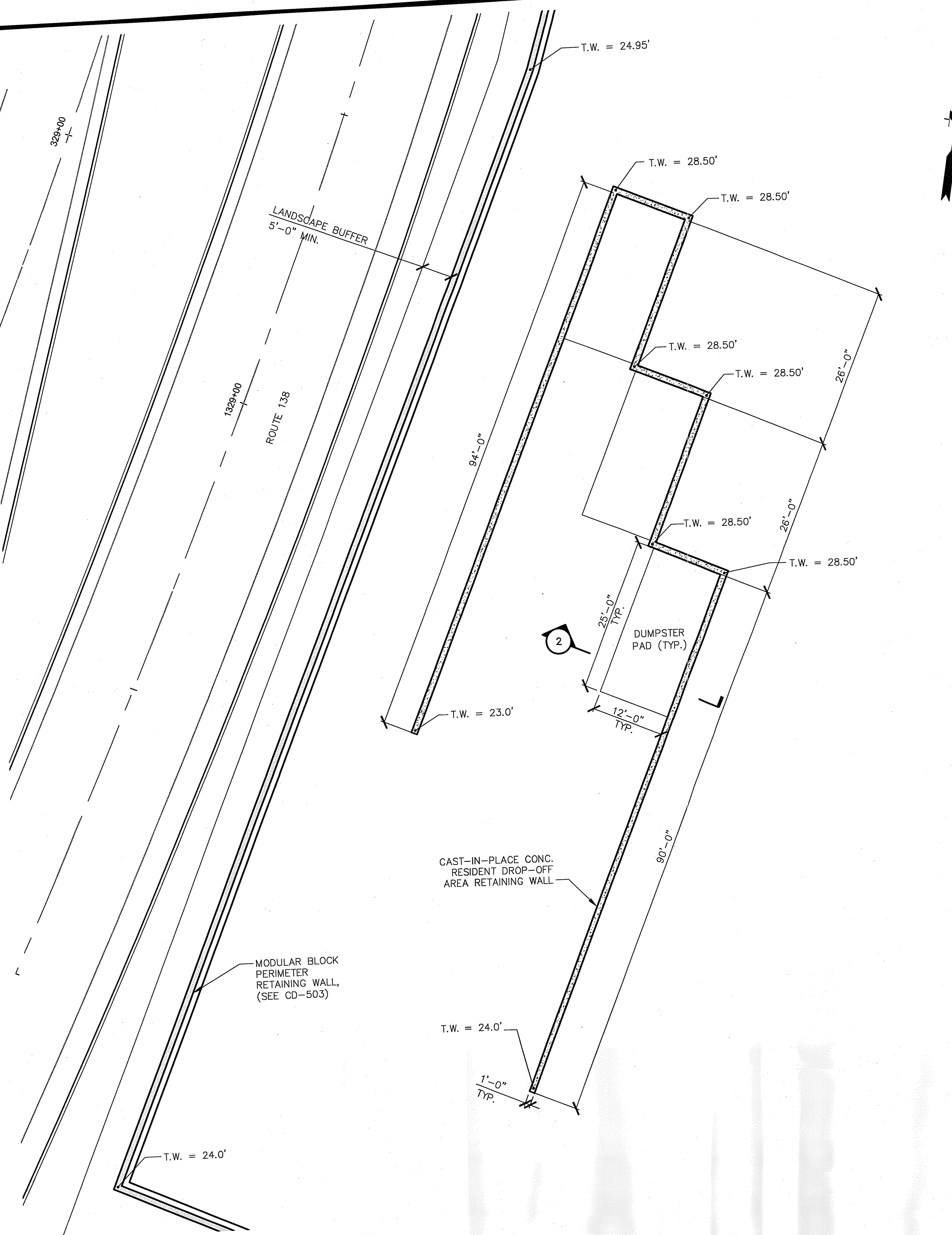
GRAPHIC SCALE

**FUSS & O'NEILL**  
 317 IRON HORSE WAY, SUITE 204  
 PROVIDENCE, RI 02908  
 401.861.3070  
 www.fandoo.com

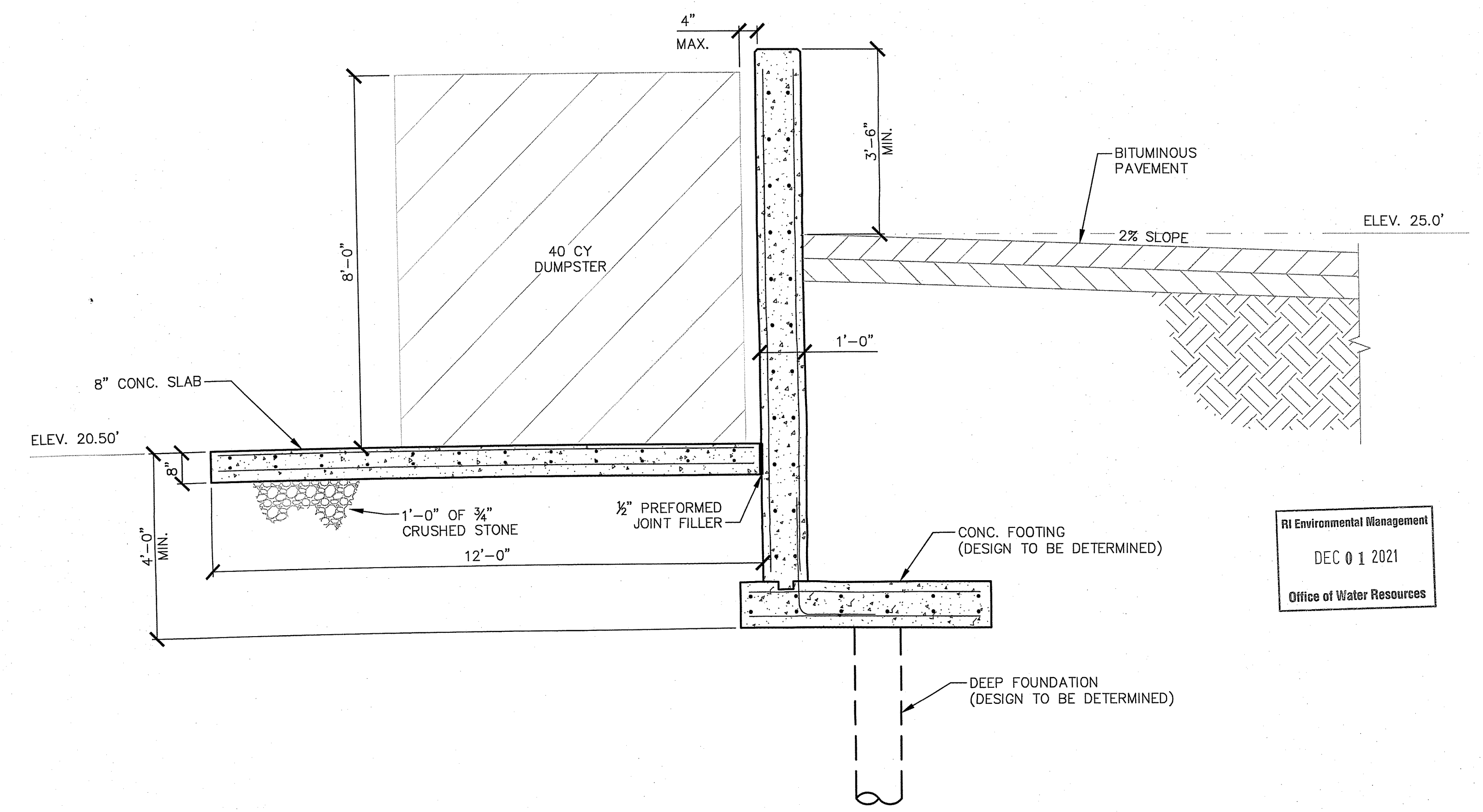
WASTE MANAGEMENT OF RHODE ISLAND, INC.  
 UTILITY PLAN  
 NEWPORT TRANSFER STATION  
 65 HALSEY STREET  
 NEWPORT, RHODE ISLAND

PROJ. No.: 20020969N20  
 DATE: NOVEMBER 19, 2021  
**CU-101**





1 RESIDENT DROP-OFF RETAINING WALL PLAN  
3/32" = 1'-0"



2 TYPICAL RESIDENT DROP-OFF RETAINING WALL SECTION  
1/2" = 1'-0"

RI Environmental Management  
DEC 01 2021  
Office of Water Resources

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1.	11/16/2021	MASTER PLAN	CEV	BEK

SEAL	SEAL
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HORIZ.: AS SHOWN  
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DATUM:  
HORIZ.: NAD83  
VERT.: NAVD88

GRAPHIC SCALE

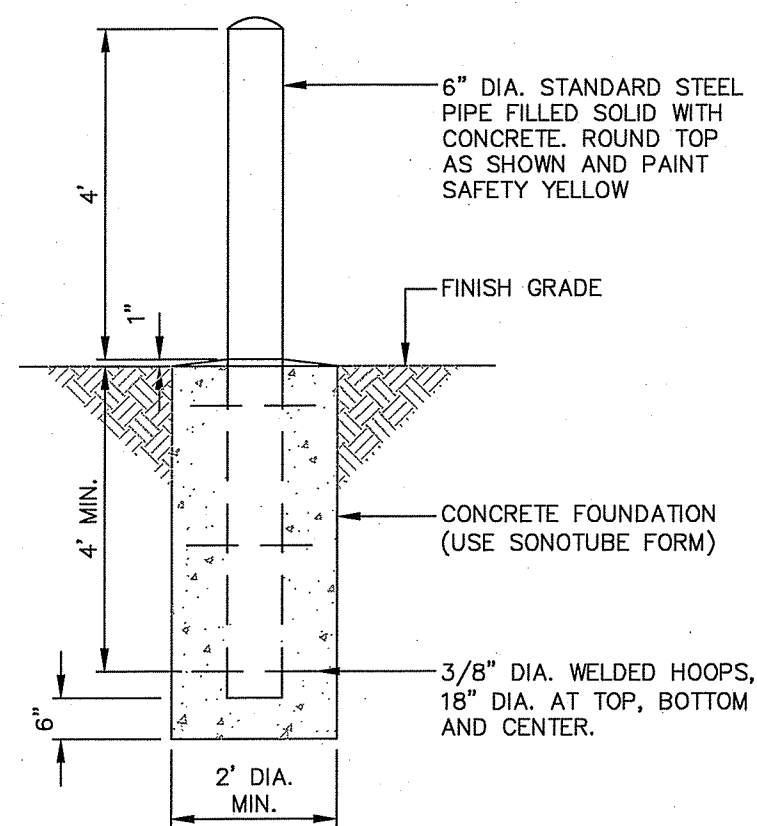
**f** **FUSS & O'NEILL**  
317 IRON HORSE WAY, SUITE 204  
PROVIDENCE, RI 02908  
401.861.3070  
www.fando.com

WASTE MANAGEMENT OF RHODE ISLAND, INC.  
RESIDENT DROP-OFF RETAINING WALL  
NEWPORT TRANSFER STATION  
65 HALSEY STREET  
NEWPORT, RHODE ISLAND

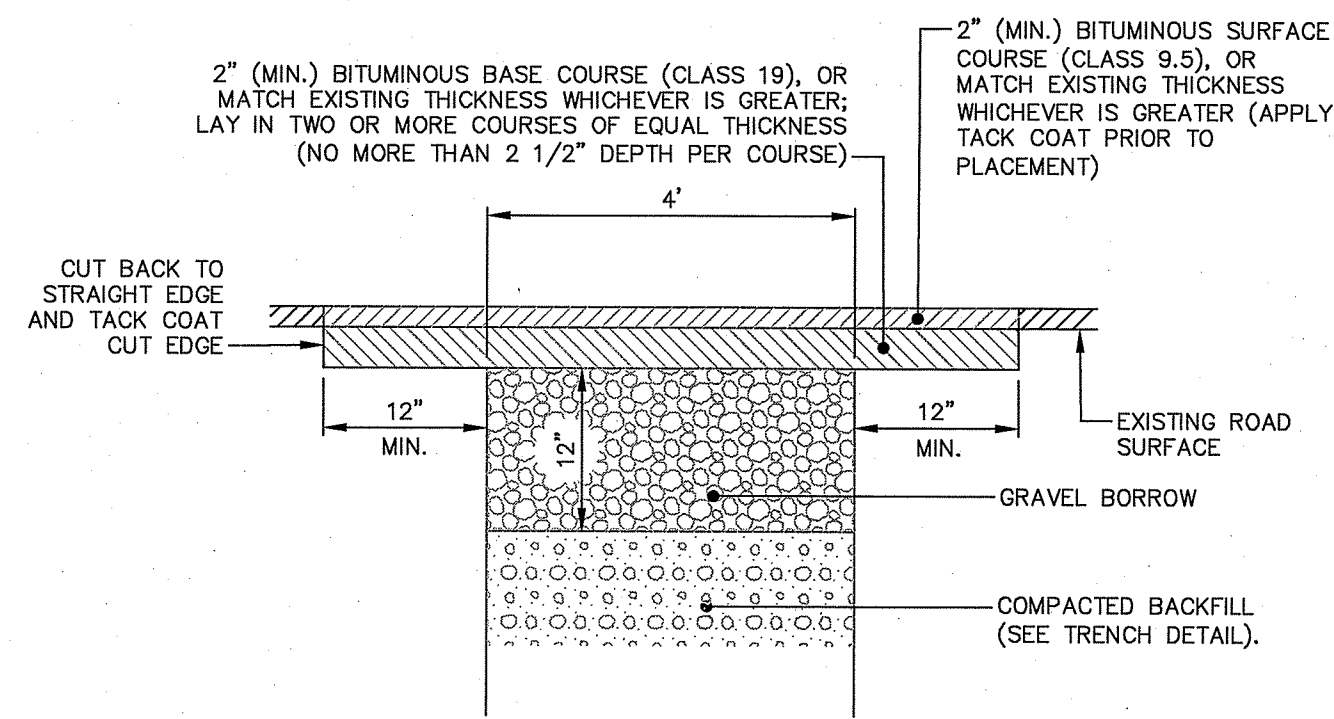
PROJ. No.: 20020969N20  
DATE: NOVEMBER 19, 2021

**S-500**



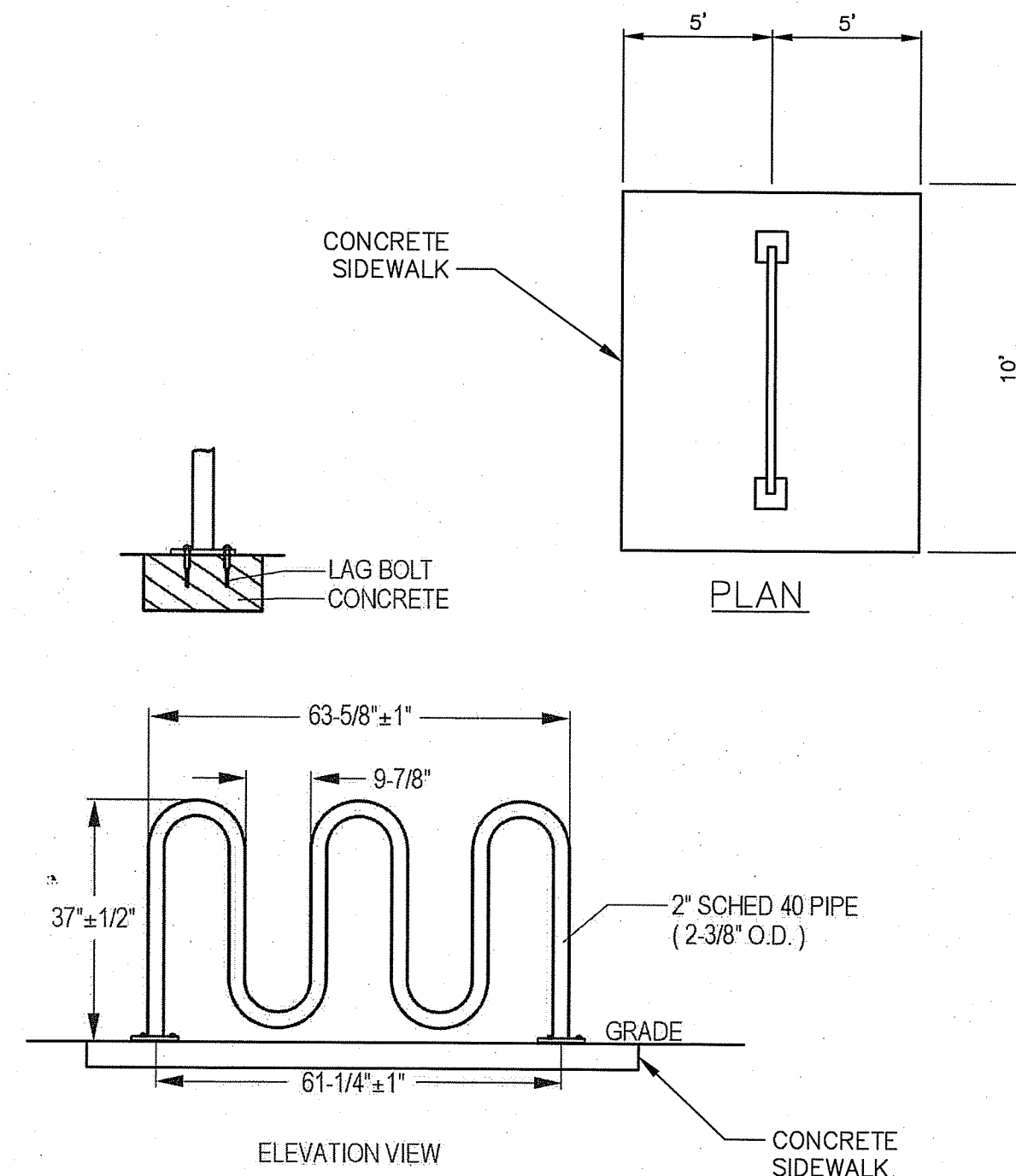


**BOLLARD**  
NOT TO SCALE



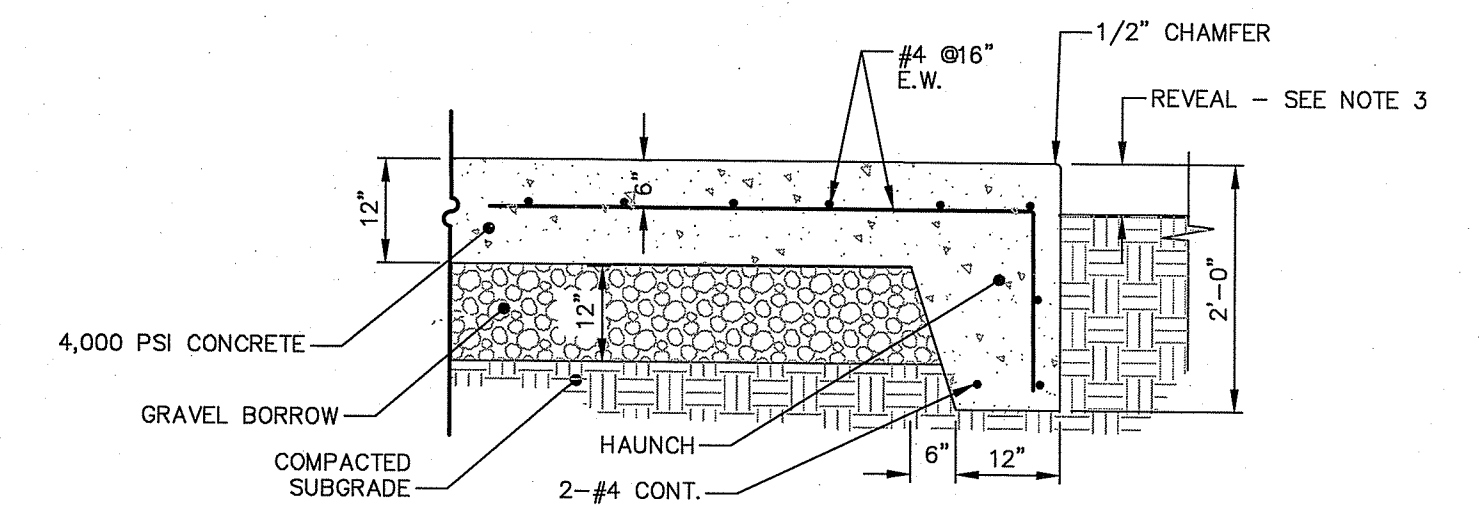
**NOTE:**  
UNSUITABLE MATERIAL WITHIN SUBGRADE SHALL BE REMOVED AND REPLACED WITH GRAVEL BORROW.

**ROADWAY PAVEMENT REPAIR**  
NOT TO SCALE



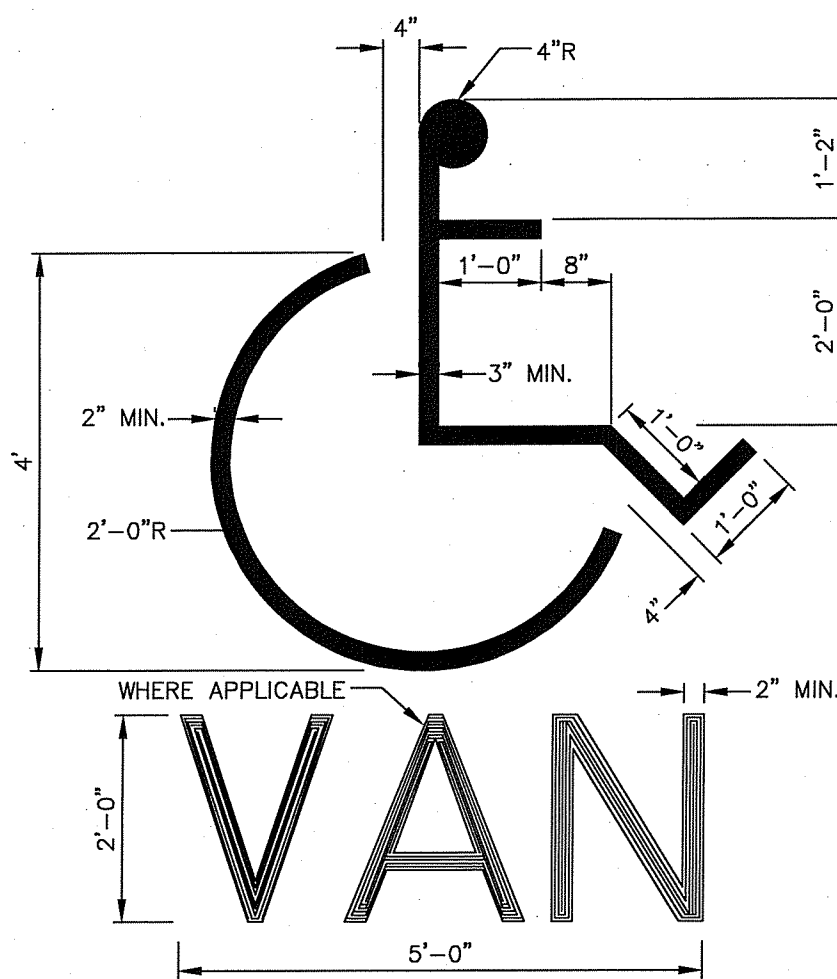
**NOTES:**  
1. BIKE RACK BELSON OUTDOORS HEAVY-DUTY CHALLENGER/WAVE BIKE RACK, 5 LOOPS 7 BIKES MODEL # H36-7-P-SF, OR APPROVED EQUAL  
2. COLOR SHALL BE BLACK.

**BIKE RACK**  
NOT TO SCALE



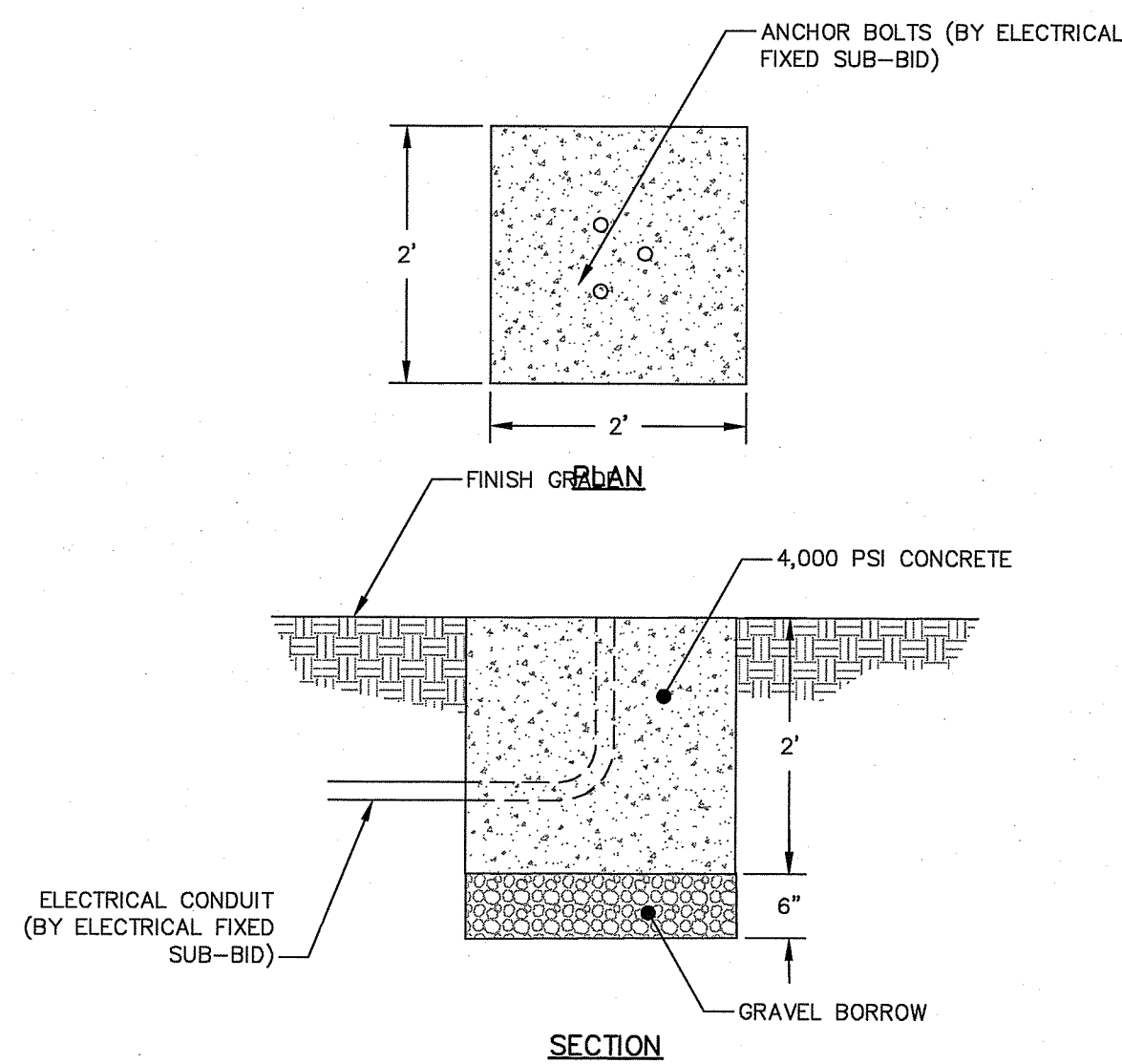
**NOTES:**  
1. PROVIDE TOOLED CONTROL JOINTS SPACED SYMMETRICALLY ABOUT THE CENTER OF THE PAD AT A MAXIMUM OF 5' OC.  
2. REVEAL VARIES; SEE SHEET CG-101. REVEAL NOT TO EXCEED SIX INCHES.  
3. UNSUITABLE MATERIAL WITHIN SUBGRADE SHALL BE REMOVED AND REPLACED WITH GRAVEL BORROW.

**CONCRETE DUMPSTER PAD**  
NOT TO SCALE



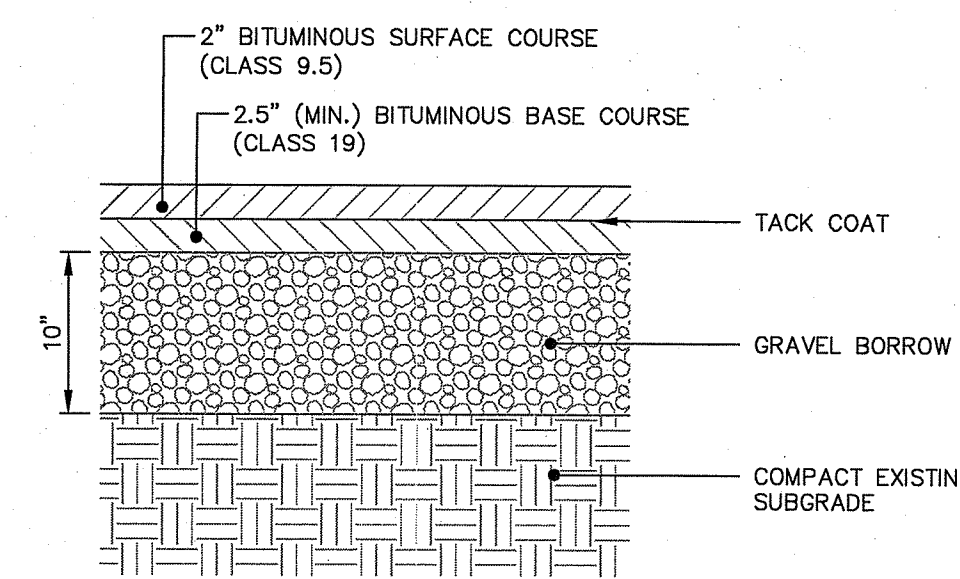
**NOTES:**  
1. SYMBOL SHALL BE CENTERED IN THE PARKING STALL.  
2. SYMBOL SHALL BE SOLID WHITE FAST-DRYING WATERBORNE PAINT AND BE CENTERED IN THE PARKING STALL. FOR VAN ACCESSIBLE SPACES, THE WORD "VAN" SHALL BE PAINTED ADJACENT TO HANDICAPPED SYMBOL.

**ADA PARKING STALL SYMBOL**  
NOT TO SCALE



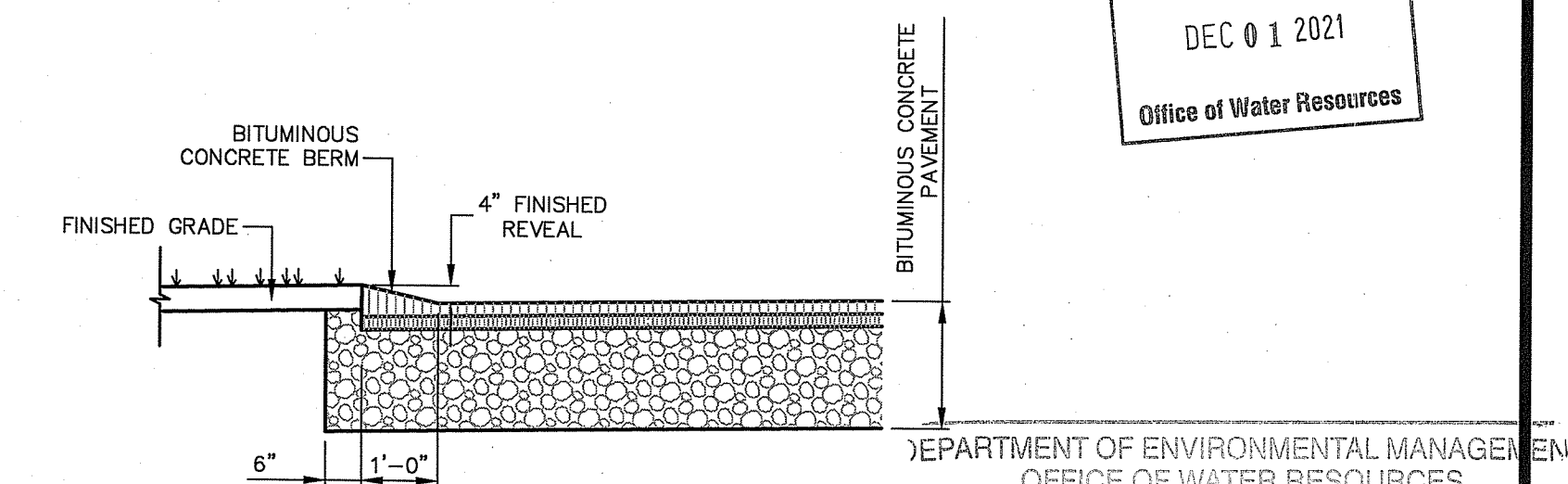
**NOTE:** COORDINATE WORK WITH ELECTRICAL CONTRACTOR

**VEHICLE CHARGING STATION FOUNDATION**  
NOT TO SCALE

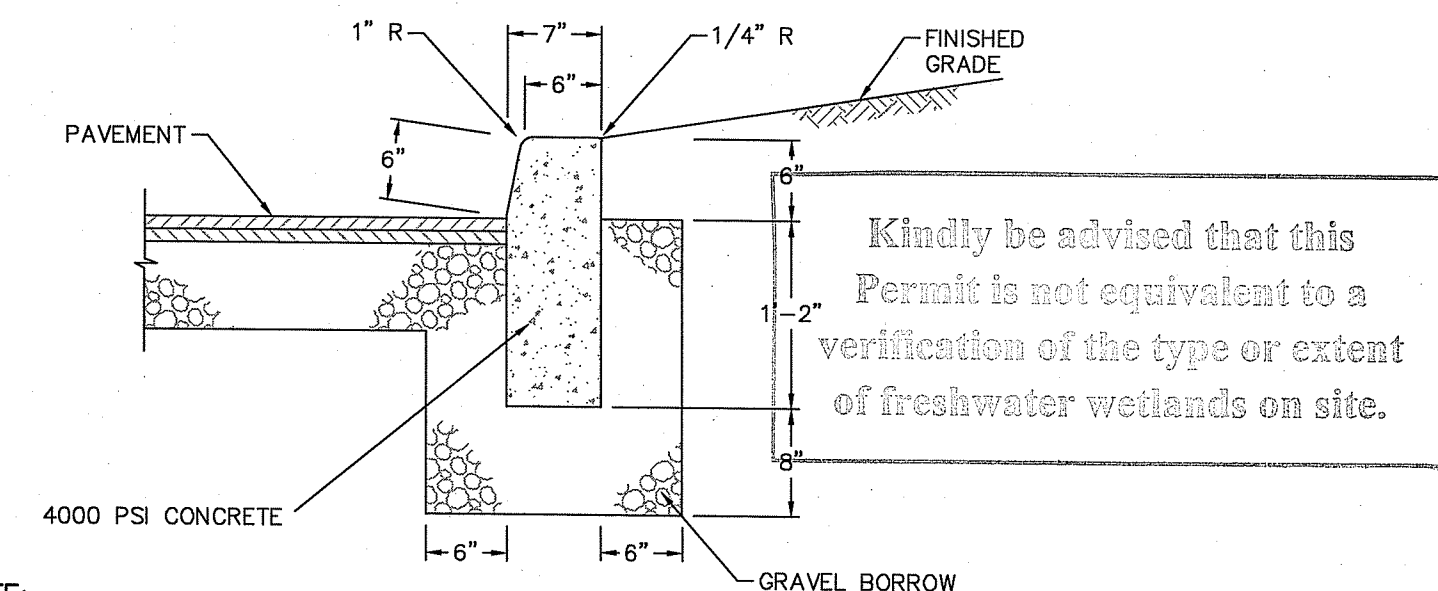


**NOTE:**  
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**BITUMINOUS CONCRETE PAVEMENT**  
NOT TO SCALE



**BITUMINOUS CONCRETE BERM**  
NOT TO SCALE



**NOTE:**  
1. 1 INCH DEEP BEVELED JOINT AT TOP AND FACE OF CURB EVERY 10 FEET.  
2. 1/2 INCH EXPANSION JOINT AND FILLER EVERY 30 FEET.  
3. 1/2 INCH EXPANSION JOINT AND FILLER WHEN CURB IS ADJACENT TO CONCRETE SIDEWALK.

**CONCRETE CURB**  
NOT TO SCALE

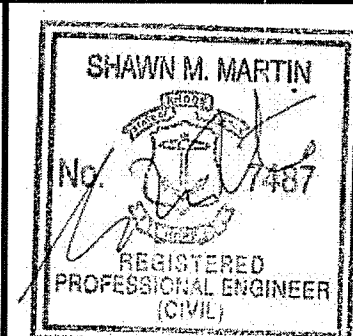
Environmental Management  
DEC 01 2021  
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
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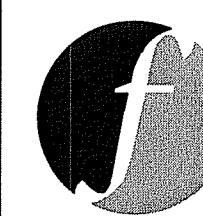
*Anthony L. Freeman*

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SEAL



SCALE:  
HORZ.: AS NOTED  
VERT.:  
DATUM:  
HORZ.: NAD83  
VERT.: NAVD88  
GRAPHIC SCALE



**FUSS & O'NEILL**

317 IRON HORSE WAY, SUITE 204  
PROVIDENCE, RI 02908  
401.861.3070  
www.fando.com

WASTE MANAGEMENT OF RHODE ISLAND, INC.

DETAILS

NEWPORT TRANSFER STATION

65 HALSEY STREET

NEWPORT, RHODE ISLAND

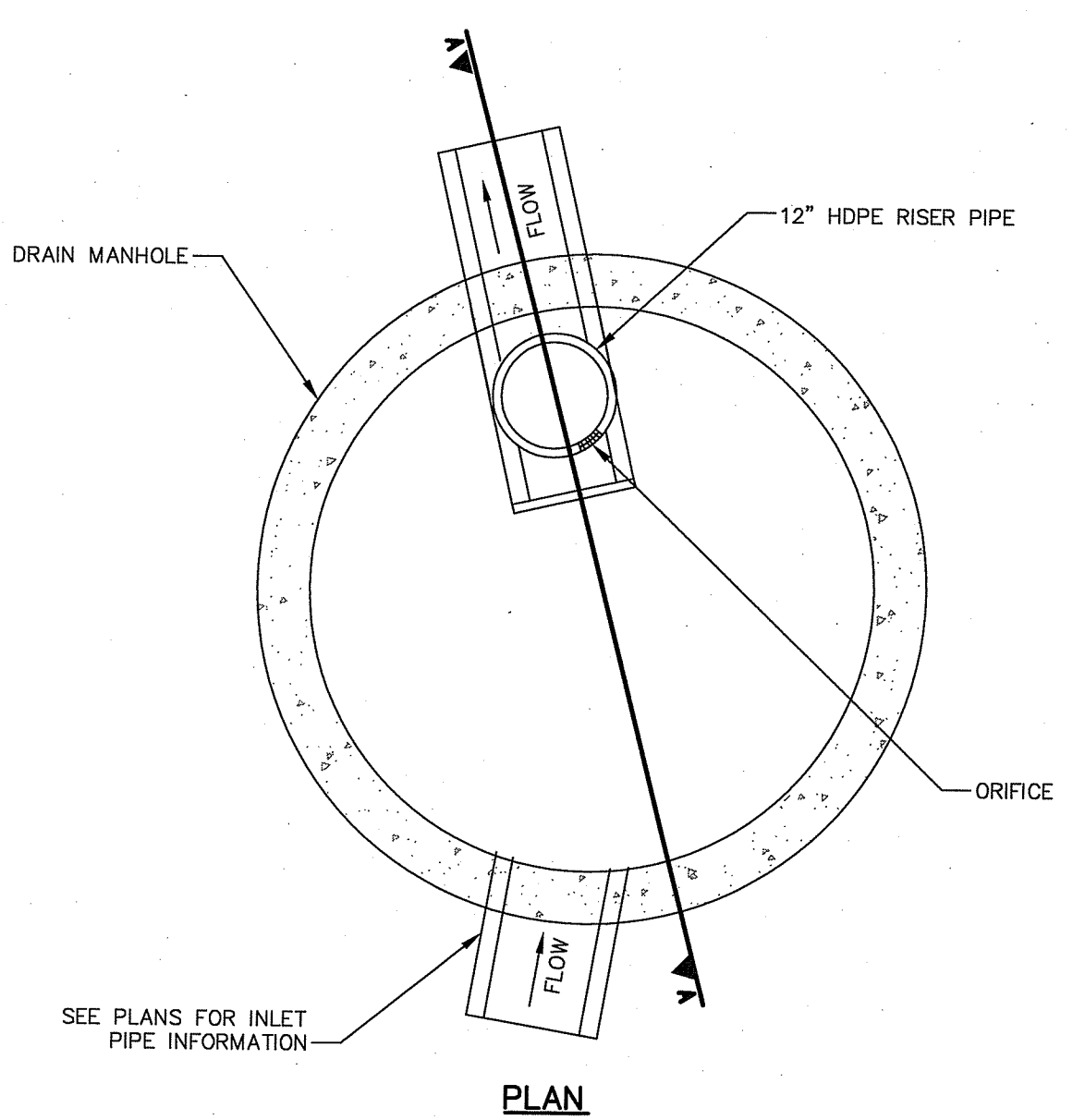
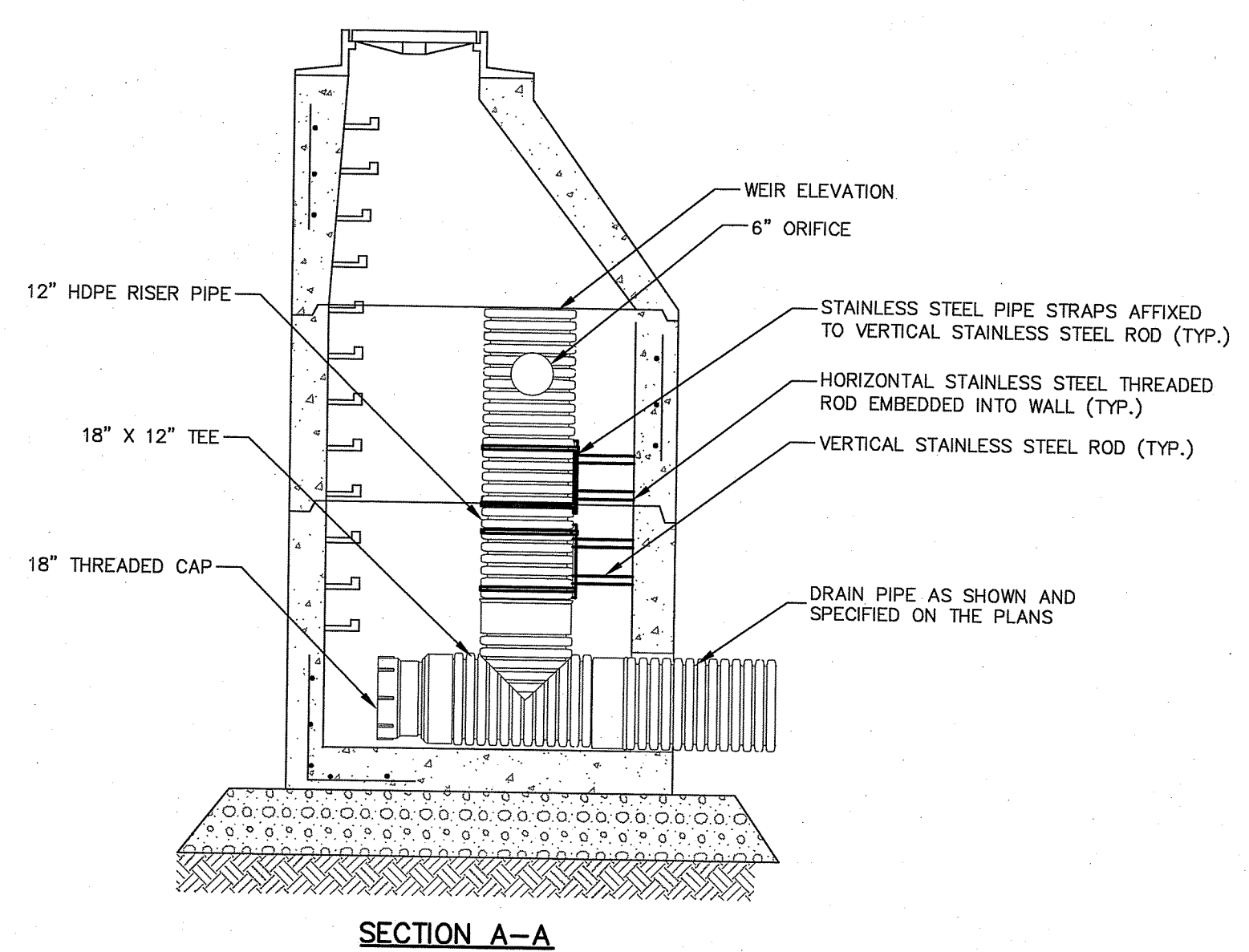
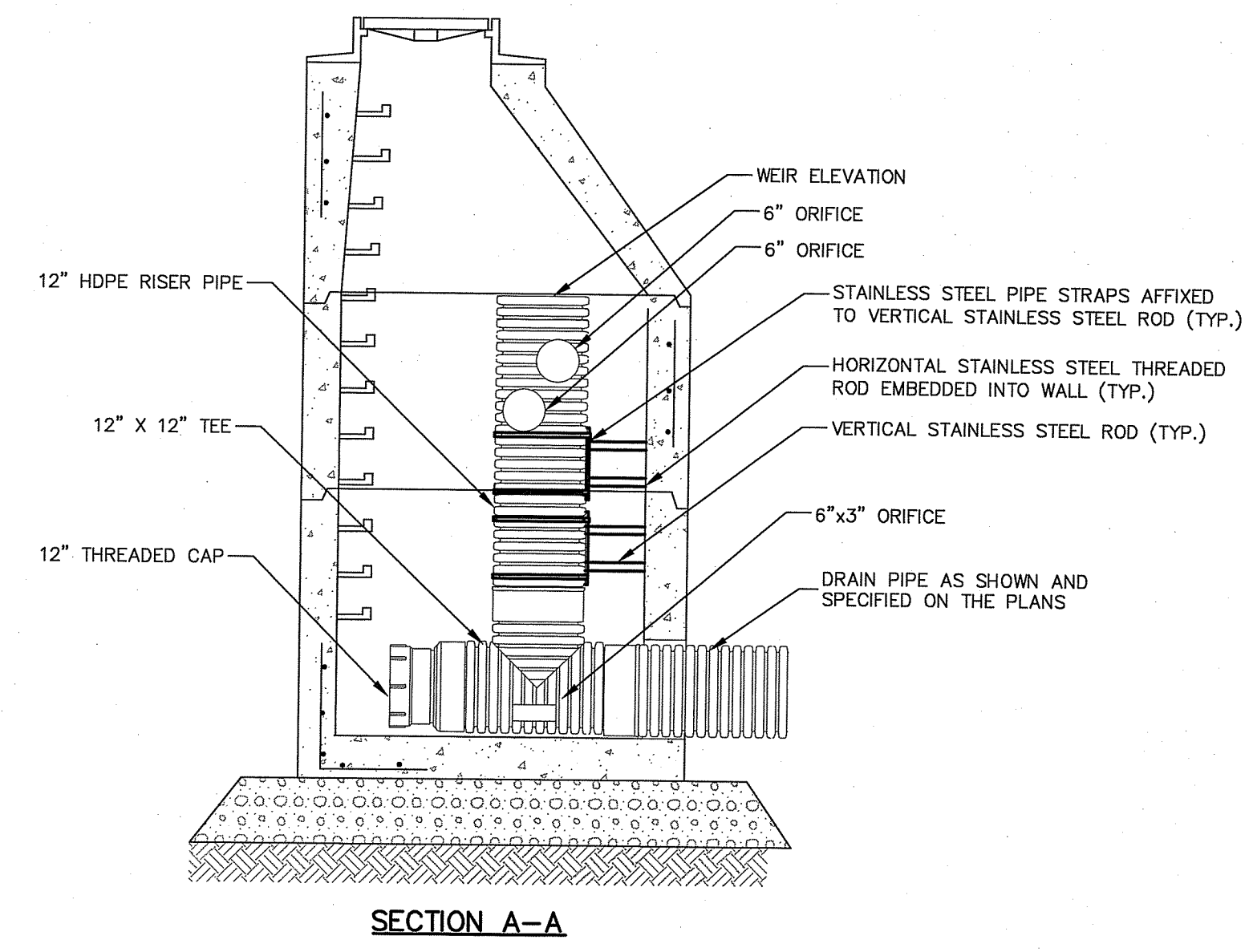
PROJ. No.: 20020969N20  
DATE: NOVEMBER 19, 2021

CD-502

DATE	DESCRIPTION	DESIGNER	REVIEWER
11/19/2021	PRELIMINARY PLAN AND STORMWATER PERMITTING PLANS	CEV	SMM
11/16/2021	MASTER PLAN	CEV	BEK

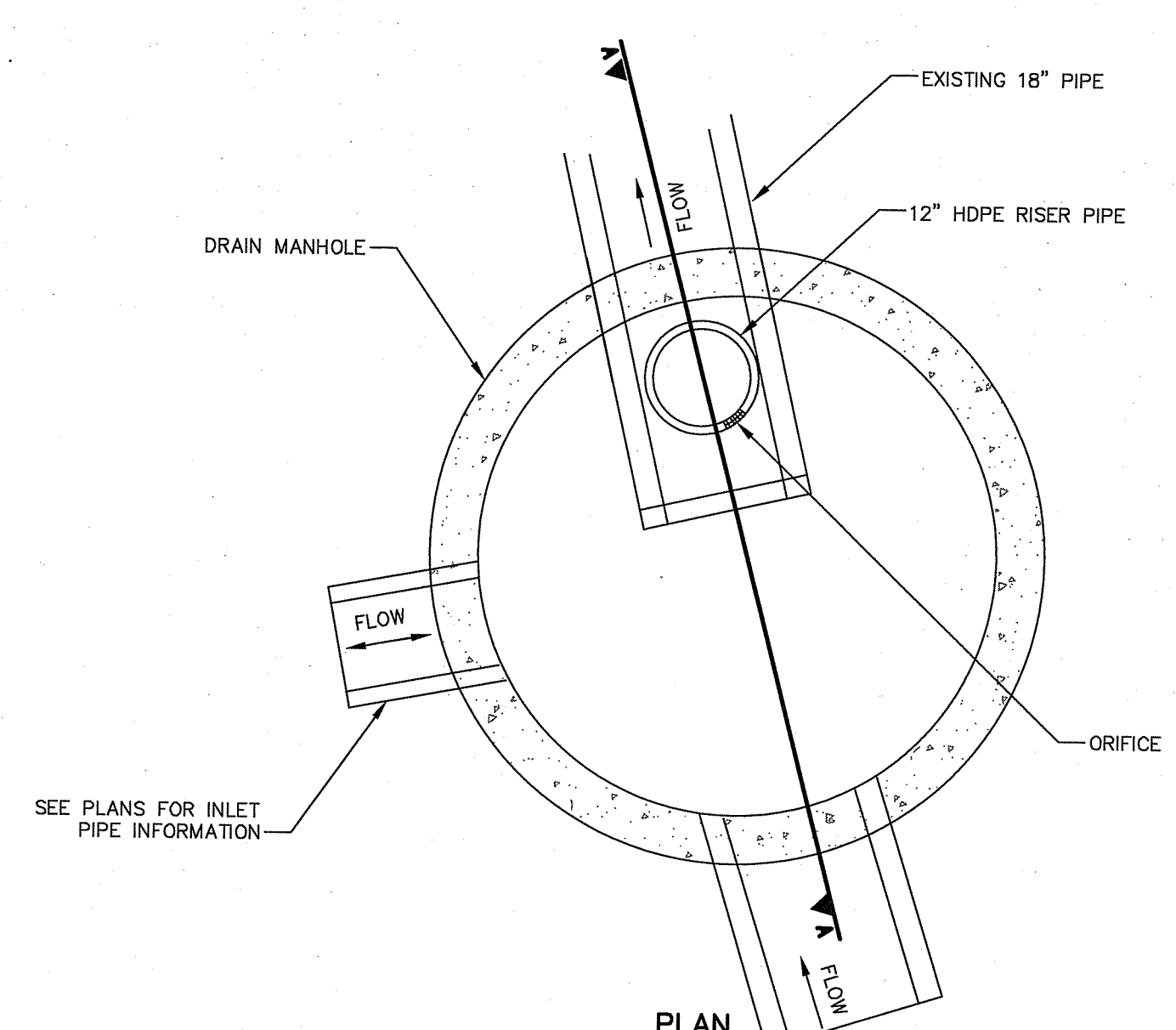


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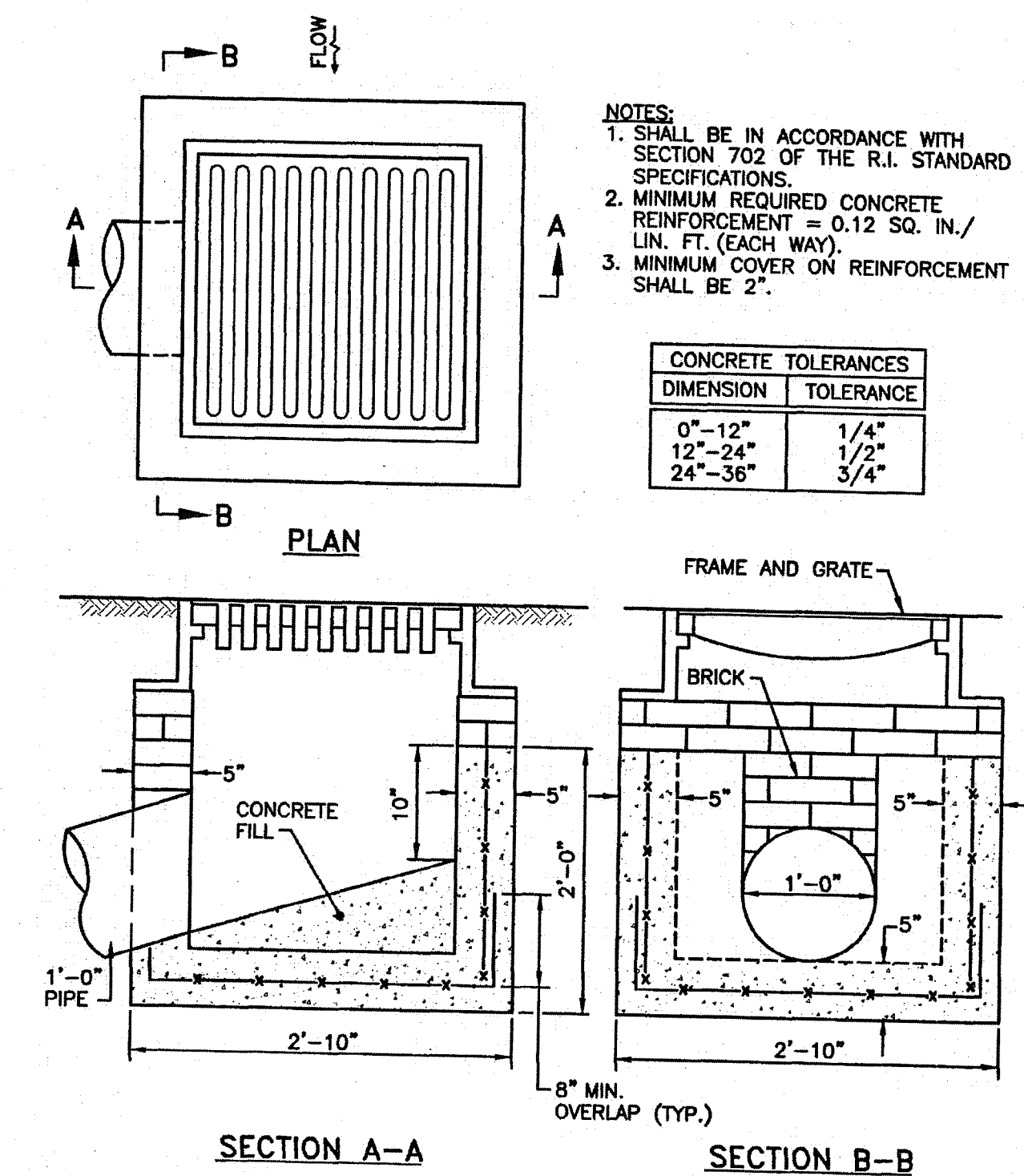
**NOTE:**  
 MANHOLE SHALL BE 5-FOOT DIAMETER UNLESS OTHERWISE SPECIFIED. SEE DRAIN MANHOLE (DMH) DETAIL FOR ADDITIONAL REQUIREMENTS.

**OUTLET CONTROL STRUCTURE NO. 1**  
 NOT TO SCALE

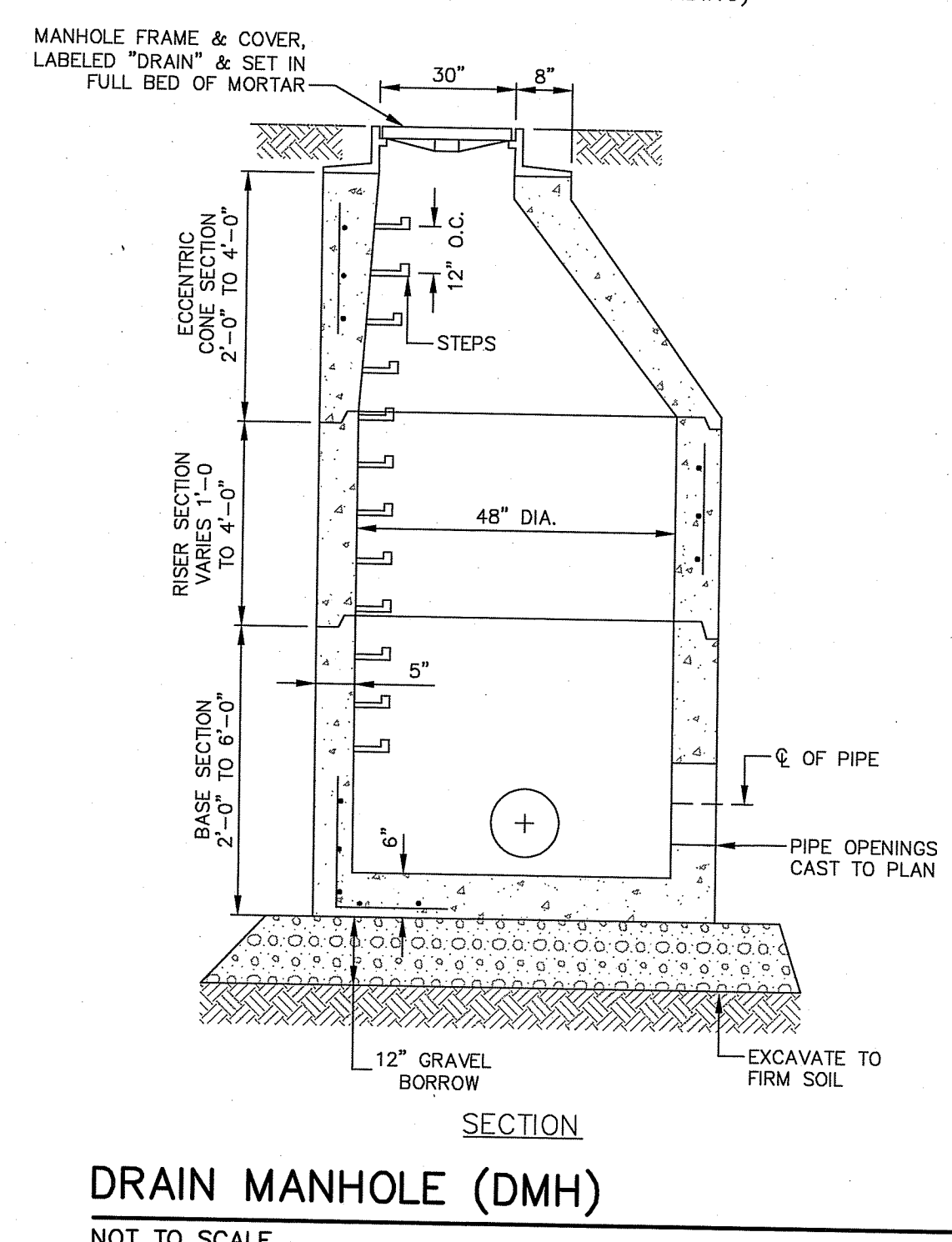
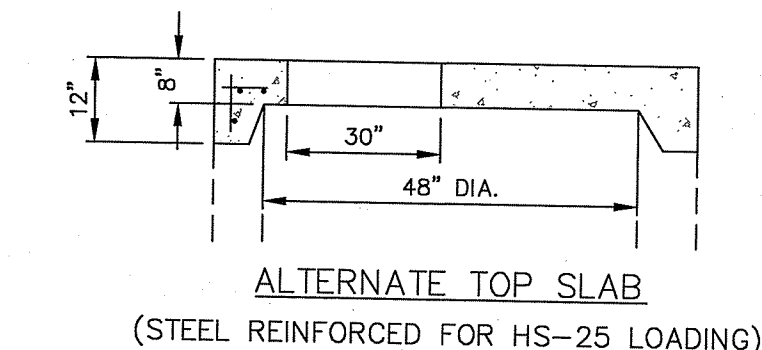


**NOTE:**  
 MANHOLE SHALL BE 5-FOOT DIAMETER UNLESS OTHERWISE SPECIFIED. SEE DRAIN MANHOLE (DMH) DETAIL FOR ADDITIONAL REQUIREMENTS.

**OUTLET CONTROL STRUCTURE NO. 2**  
 NOT TO SCALE



**PRECAST CONCRETE DROP INLET**  
 (R.I. STD. 4.5.0)  
 NOT TO SCALE



**DRAIN MANHOLE (DMH)**  
 NOT TO SCALE

- 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"

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
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 DATED FEB 01 2022 FILE # 21-0313  
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*Nancy L. Freeman*

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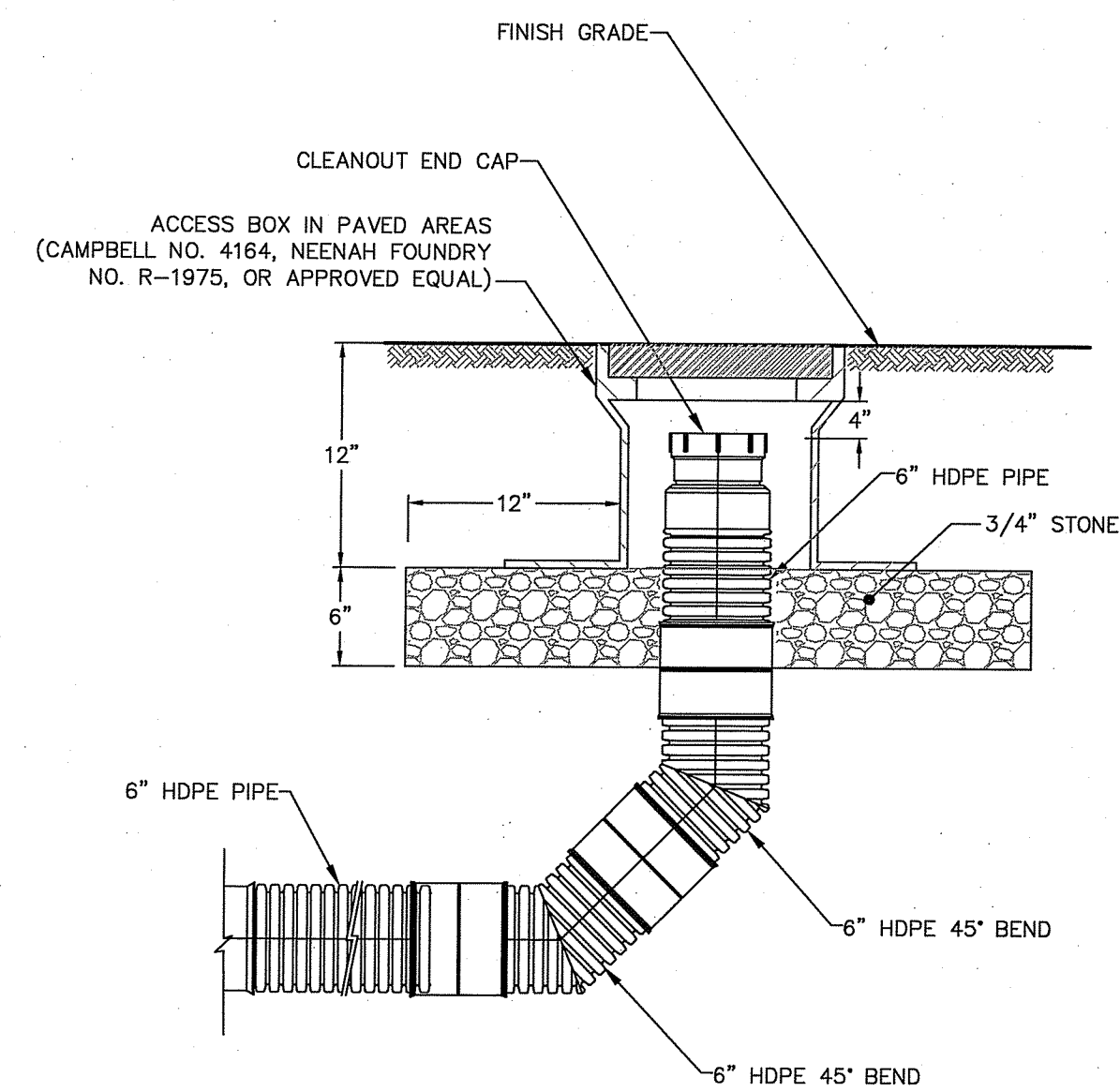
SEAL

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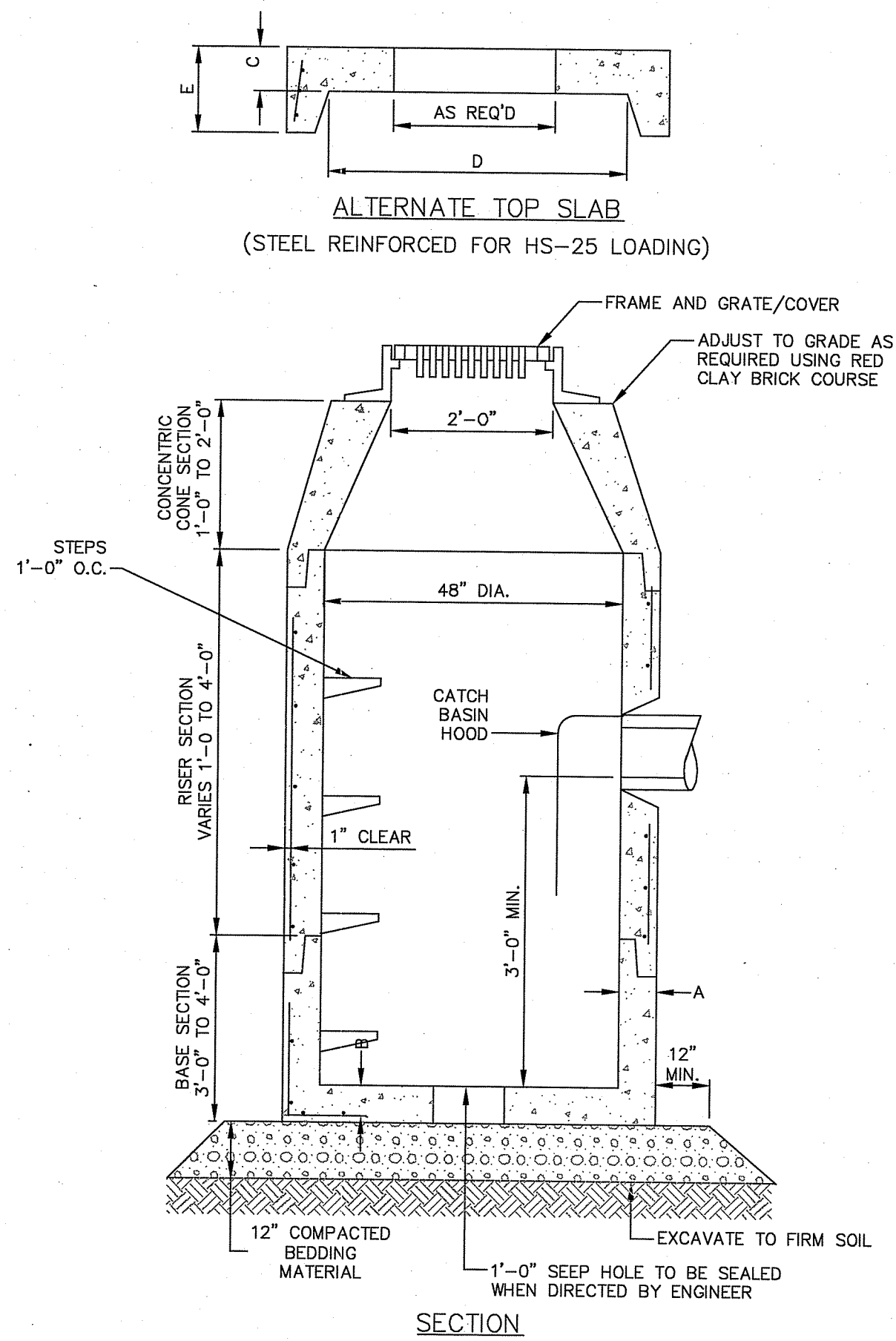
WASTE MANAGEMENT OF RHODE ISLAND, INC.  
 DETAILS  
 NEWPORT TRANSFER STATION  
 65 HALSEY STREET  
 NEWPORT, RHODE ISLAND

PROJ. No.: 20020699N20  
 DATE: NOVEMBER 19, 2021  
**CD 504**



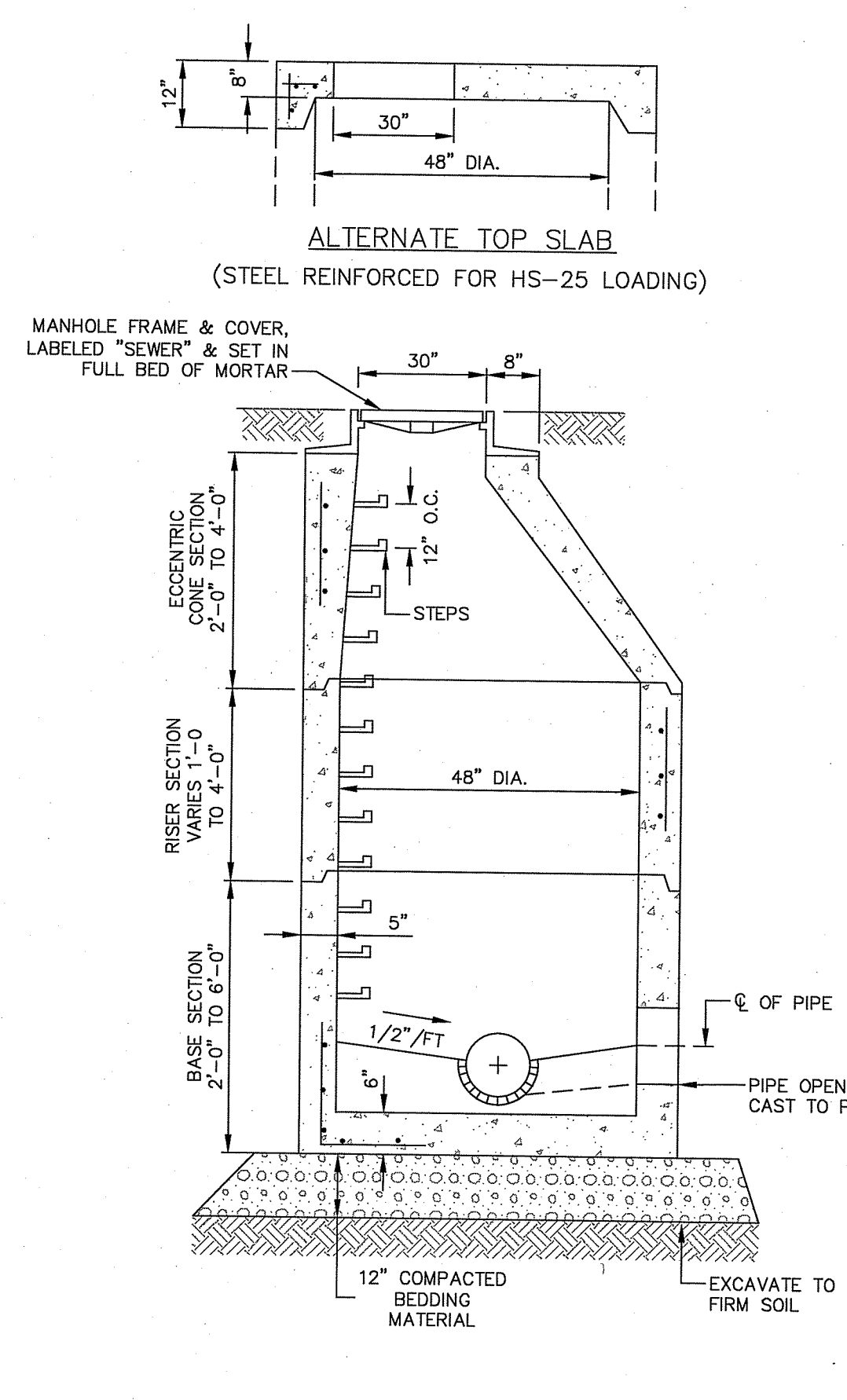
- NOTE:**
1. IN UNPAVED AREAS, CLEANOUT CAP SHALL BE BURIED 3 INCHES.
  2. ACCESS BOX IN PAVED AREAS SHALL HAVE 9.5" SOLID COVER WITH LETTERING "CLEANOUT".
  3. IN-LINE CLEANOUTS SHALL HAVE TEE WYE IN LIEU OF TWO 45 DEGREE BENDS.

**STORM DRAIN CLEANOUT**  
NOT TO SCALE



- ALTERNATE TOP SLAB**  
(STEEL REINFORCED FOR HS-25 LOADING)
- SECTION**
- NOTES:**
1. FRAME AND GRATE SHALL BE R.I. STD. 6.3.0 OR APPROVED EQUAL.
  2. INLET CATCH BASIN SHALL INCLUDE GRANITE APRON STONE PER PROVIDENCE STANDARD 7.3.7P, AND BE INSTALLED IN ACCORDANCE WITH INLET/APRON STONE REVEAL PER PROVIDENCE STANDARD 60.4.0P.
  3. INLET CATCH BASIN SHALL HAVE 4" SUMP.
  4. FRAMES SHALL BE SET IN FULL BED OF MORTAR. ADJUST TO GRADE WITH RED CLAY BRICKS AND MORTAR.
  5. REINFORCING STEEL SHALL CONFORM TO ASTM A-185:
    - 0.12 SQ. IN./LIN. FT. CIRCUMFERENTIAL
    - 0.18 SQ. IN./FT. (BOTH WAYS) BASE BOTTOM
  6. CONCRETE SHALL BE COMPRESSIVE STRENGTH 4,000 PSI TYPE II CEMENT.
  7. ONE POUR MONOLITHIC BASE SECTION.
  8. PROVIDE "V" KNOCKOUTS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
  9. JOINT SEALANT SHALL BE PREFORMED BUTYL RUBBER MASTIC TYPE SEAL THAT COMPLIES WITH AASHTO M198 OR SYNTHETIC RUBBER GASKET THAT COMPLIES WITH ASTM C-443 OR C-361.
  10. CATCH BASIN DESIGN SHALL CONFORM TO ASTM C-478 FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTION."
  11. CATCH BASIN STEPS SHALL BE ASTM A 615/A615M, DEFORMED, 1/2-INCH STEEL REINFORCED RODS ENCASED IN ASTM D 4101, POLYPROPYLENE PLASTIC. THE CENTERLINE OF OPENING MUST BE WITHIN 2'-0" FROM STEPS.
  12. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.

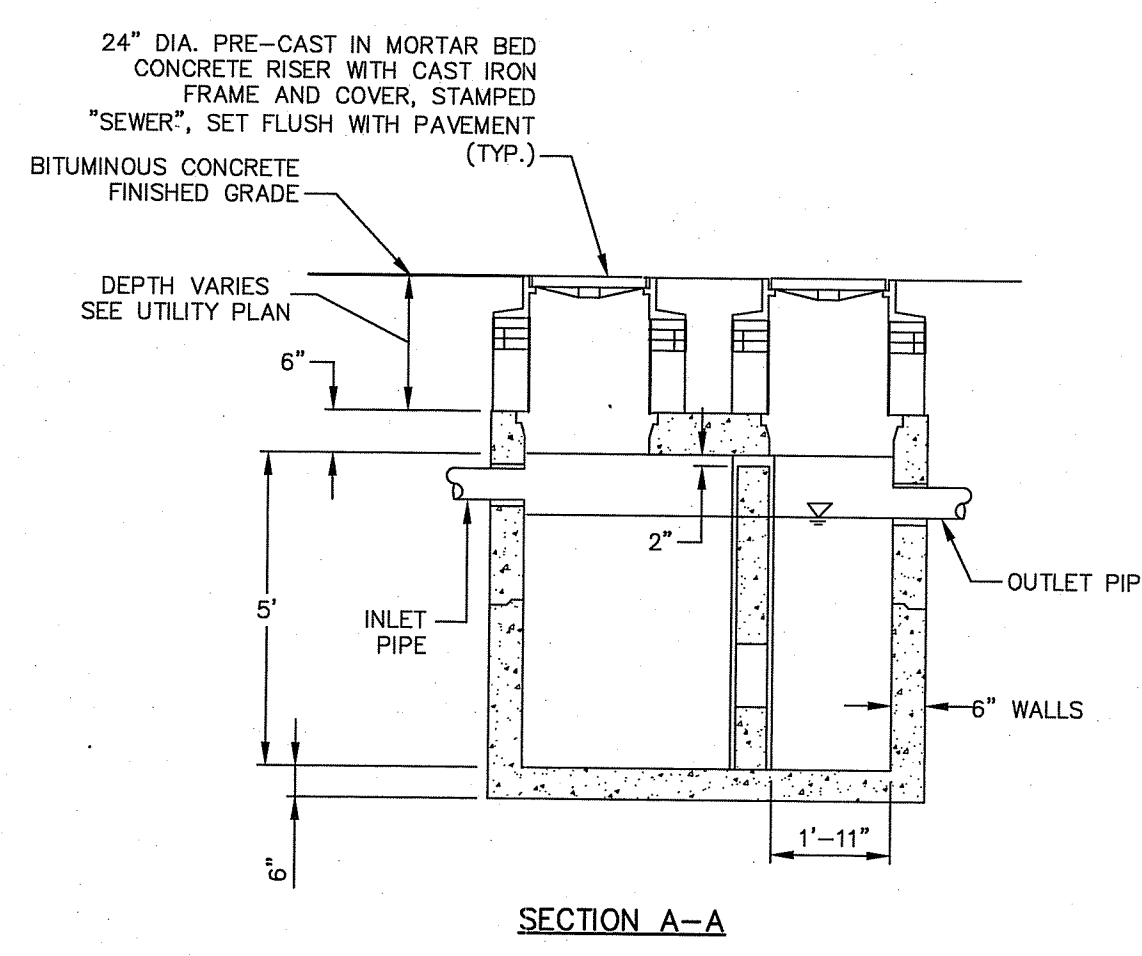
**CATCH BASIN**  
NOT TO SCALE



- ALTERNATE TOP SLAB**  
(STEEL REINFORCED FOR HS-25 LOADING)
- SECTION**
- NOTES:**
1. FRAME AND COVER TO BE R.I. STD. 6.2.1 OR APPROVED EQUAL. LETTERING: "SEWER"
  2. FRAMES SHALL BE SET IN FULL BED OF MORTAR. ADJUST TO GRADE WITH RED CLAY BRICKS AND MORTAR.
  3. REINFORCING STEEL SHALL CONFORM TO ASTM A-185:
    - 0.12 SQ. IN./LIN. FT. CIRCUMFERENTIAL
    - 0.18 SQ. IN./FT. (BOTH WAYS) BASE BOTTOM
  4. CONCRETE SHALL BE COMPRESSIVE STRENGTH 4,000 PSI TYPE II CEMENT.
  5. ONE POUR MONOLITHIC BASE SECTION.
  6. PROVIDE "V" KNOCKOUTS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
  7. JOINT SEALANT SHALL BE PREFORMED BUTYL RUBBER MASTIC TYPE SEAL THAT COMPLIES WITH AASHTO M198 OR SYNTHETIC RUBBER GASKET THAT COMPLIES WITH ASTM C-443 OR C-361.
  8. MANHOLE DESIGN SHALL CONFORM TO ASTM C-478 FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS."
  9. MANHOLE STEPS SHALL BE ASTM A 615/A615M, DEFORMED, 1/2-INCH STEEL REINFORCED RODS ENCASED IN ASTM D 4101, POLYPROPYLENE PLASTIC. THE CENTERLINE OF OPENING MUST BE WITHIN 2'-0" FROM STEPS.
  10. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
  11. INVERT CONSTRUCTED OF BRICK OR CEMENT CONCRETE, CLASS D.

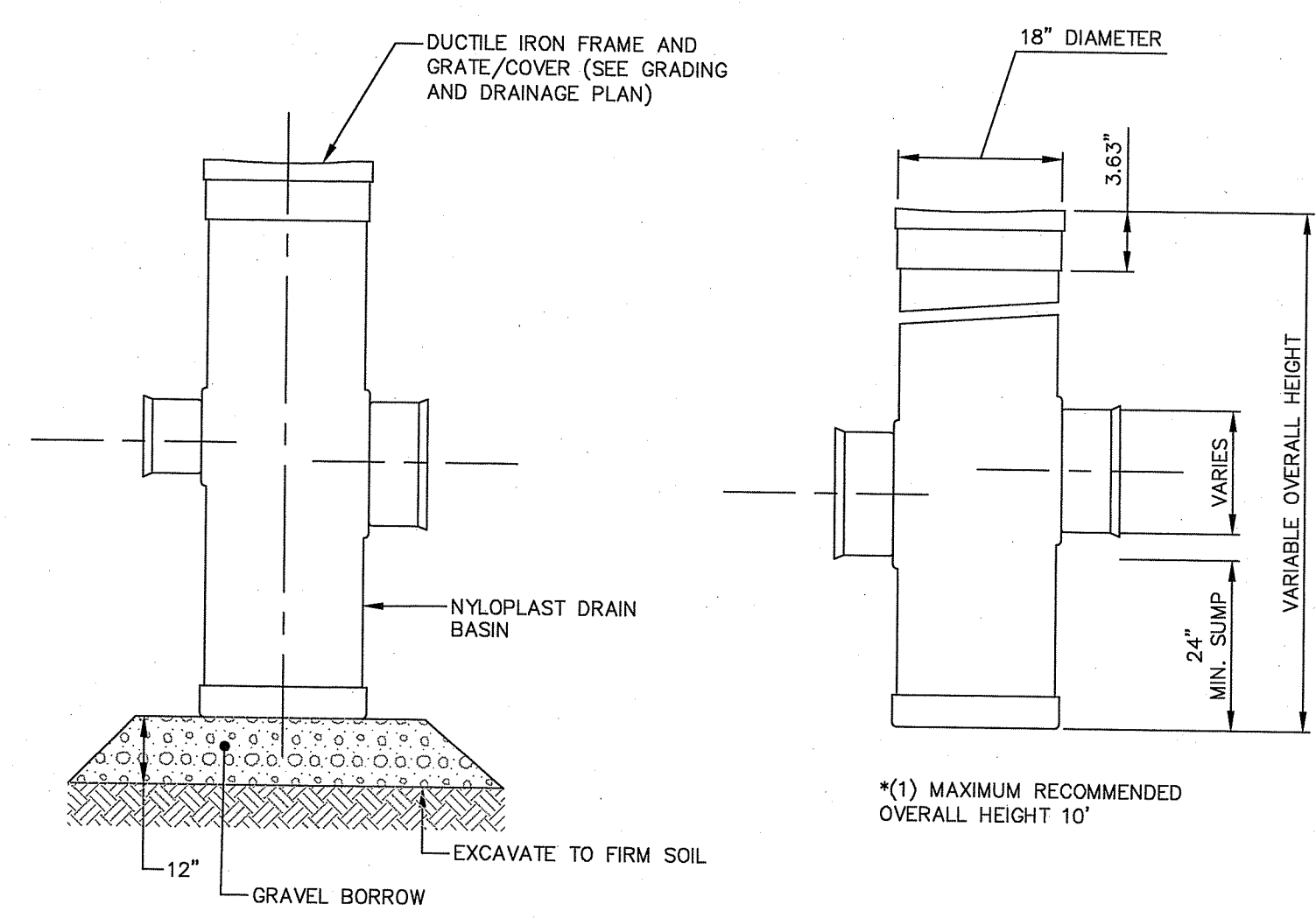
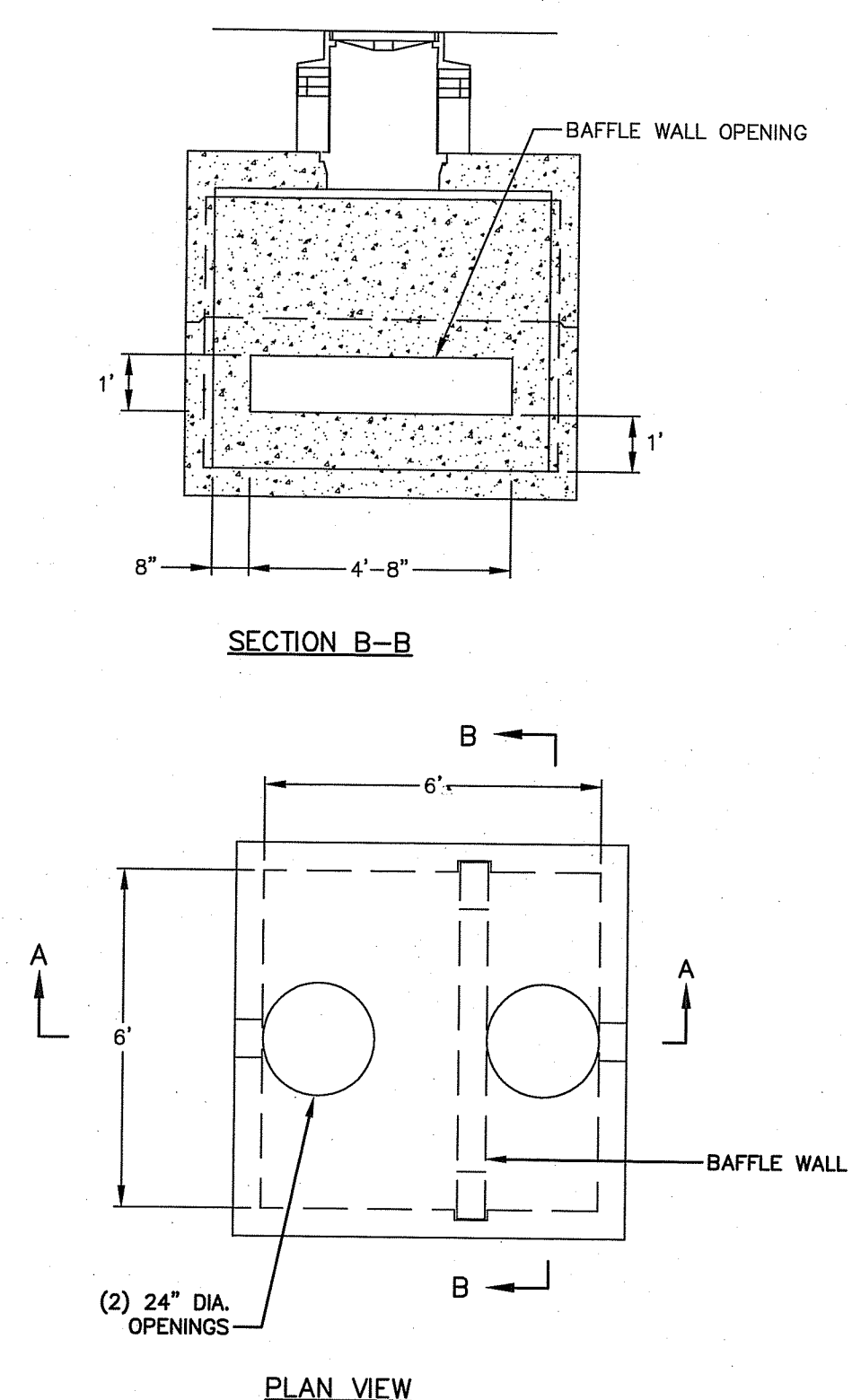
**SEWER MANHOLE**  
NOT TO SCALE

RI Environmental Management  
DEC 01 2021  
Office of Water Resources



- NOTES:**
1. CONCRETE : 5,000 P.S.I MINIMUM STRENGTH @ 28 DAYS
  2. STEEL REINFORCING ASTM A-615, GRADE 60
  3. COVER TO STEEL 1" MINIMUM
  4. TANKS SHALL MEET ASTM C858 AND ACI 318 WITH AASHTO HS-20 LOADING
  5. EARTH COVER 0 MIN. TO 5 FEET MAX
  6. EARTH COVER 0 MIN. TO 5 FEET MAX

**1,000 GALLON OIL/WATER SEPARATOR**  
NOT TO SCALE



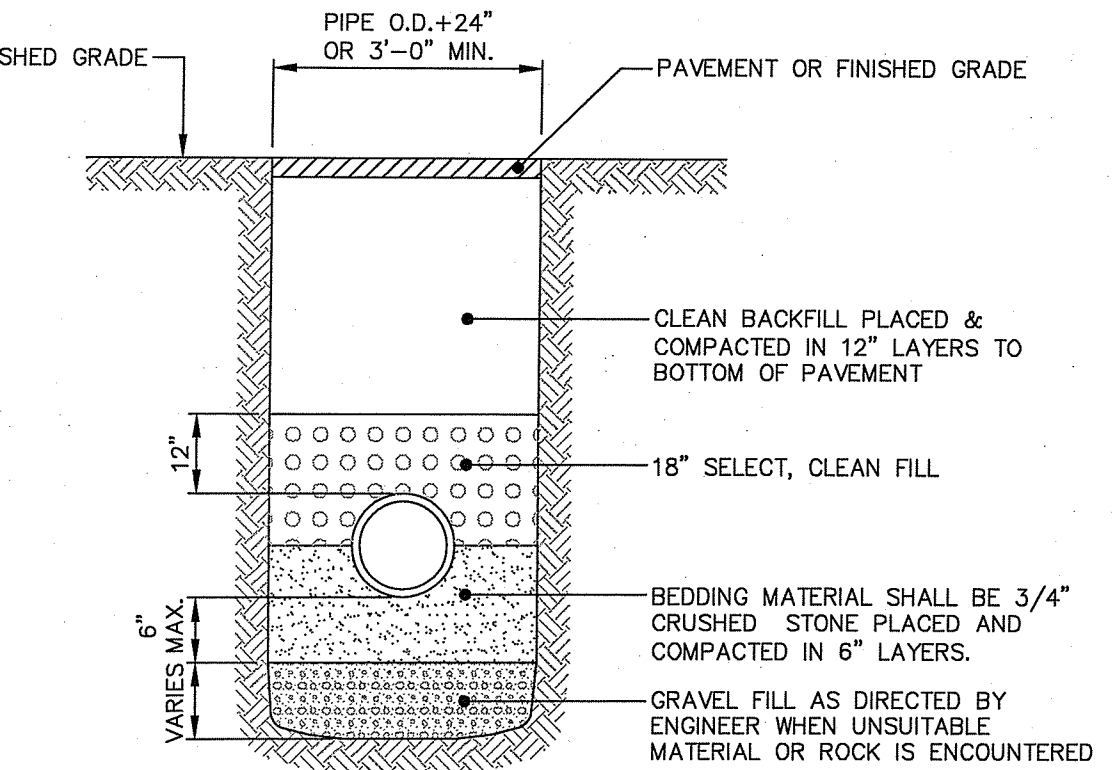
- NOTE:**  
FRAME AND GRATES SHALL BE H-20 RATED.

**YARD DRAIN**  
NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED FEB. 01 2022 FILE # 21-0313  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Nancy J. Freeman*

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**STORM DRAIN TRENCH**  
NOT TO SCALE

DATE	DESCRIPTION	DESIGNER	REVIEWER
11/19/2021	PRELIMINARY PLAN AND STORMWATER PERMITTING PLANS	CEV	SMM
11/16/2021	MASTER PLAN	CEV	BEK

SEAL

SCALE:  
HORIZ.: AS NOTED  
VERT.:  
DATUM:  
HORIZ.: NAD83  
VERT.: NAVD88

**FUSS & O'NEILL**  
317 IRON HORSE WAY, SUITE 204  
PROVIDENCE, RI 02908  
401.861.3070  
www.fando.com

WASTE MANAGEMENT OF RHODE ISLAND, INC.  
**DETAILS**  
NEWPORT TRANSFER STATION  
65 HALSEY STREET  
NEWPORT, RHODE ISLAND

PROJ. No.: 20020969N20  
DATE: NOVEMBER 19, 2021  
**CD 505**

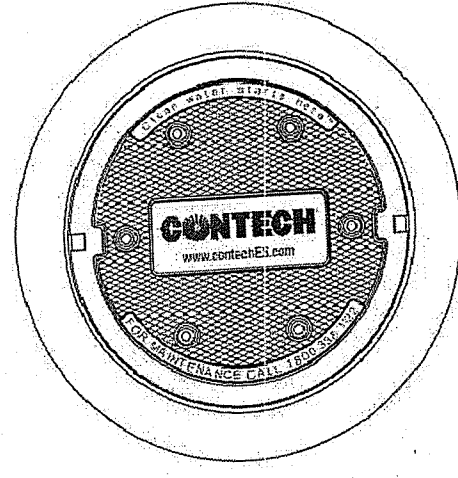
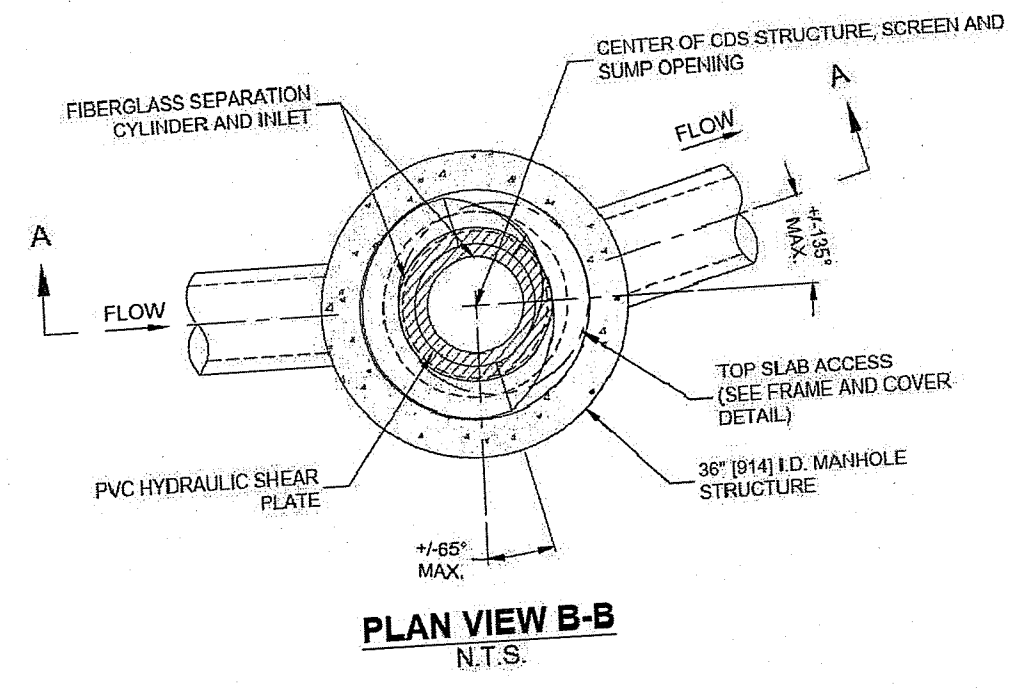
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
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*Nancy L. Freeman*

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**CDS1515-3-C DESIGN NOTES**

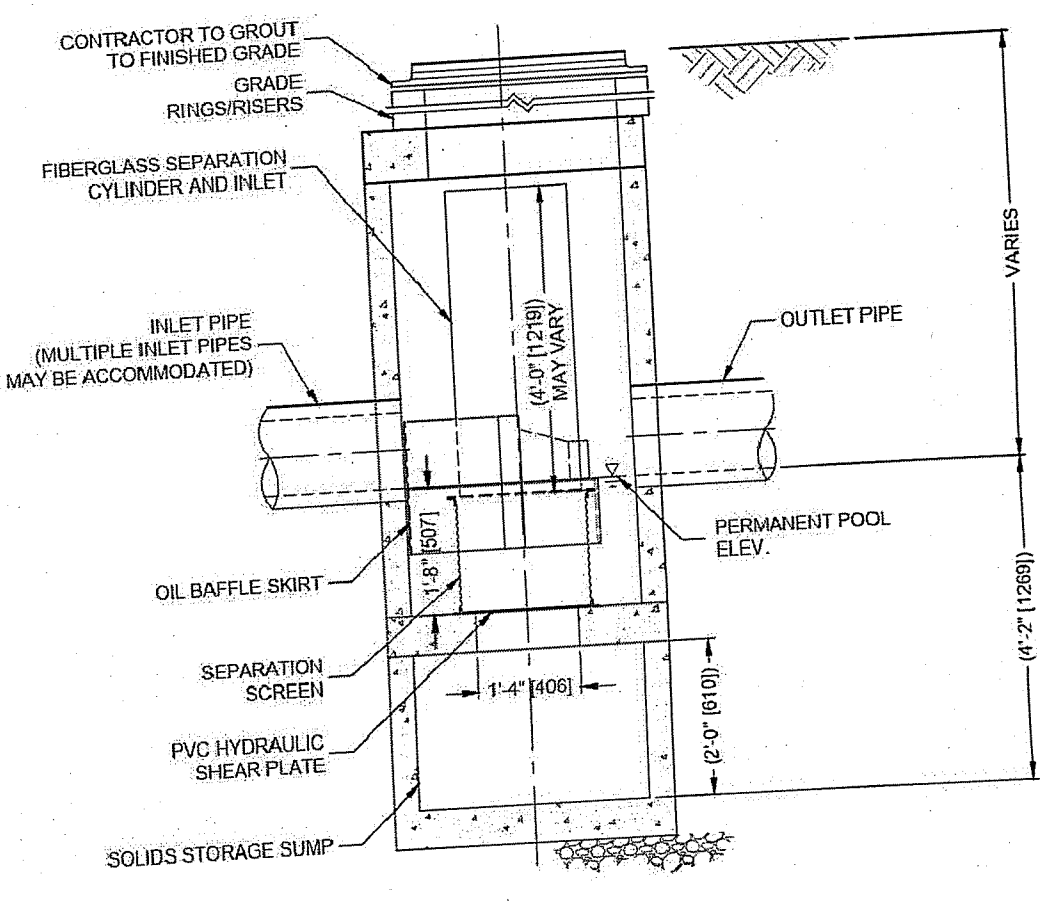
CDS1515-3-C RATED TREATMENT CAPACITY IS 1.0 CFS, OR PER LOCAL REGULATIONS.  
 THE STANDARD CDS1515-3-C CONFIGURATION IS SHOWN.



**SITE SPECIFIC DATA REQUIREMENTS**

STRUCTURE ID			
WATER QUALITY FLOW RATE (CFS OR L/S)			
PEAK FLOW RATE (CFS OR L/S)			
RETURN PERIOD OF PEAK FLOW (YRS)			
SCREEN APERTURE (2400 OR 4700)			
PIPE DATA	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	*	*	*
INLET PIPE 2	*	*	*
OUTLET PIPE	*	*	*
RIM ELEVATION			
ANTI-FLOTATION BALLAST	WIDTH	HEIGHT	
NOTES/SPECIAL REQUIREMENTS:			
* PER ENGINEER OF RECORD			

- GENERAL NOTES**
- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
  - FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. [www.contechES.com](http://www.contechES.com)
  - CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO PROVIDE STRUCTURE MEETS REQUIREMENTS OF PROJECT.
  - STRUCTURE SHALL MEET ASHTO M309 AND CASTINGS SHALL MEET THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET ASHTO M309 AND BE CAST WITH THE CONTECH LOGO.
  - IF NECESSARY, PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.
  - CDS STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-1178 AND ASHTO LOAD FACTOR DESIGN METHOD.
- INSTALLATION NOTES**
- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
  - CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
  - CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
  - CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPE(S). MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
  - CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.



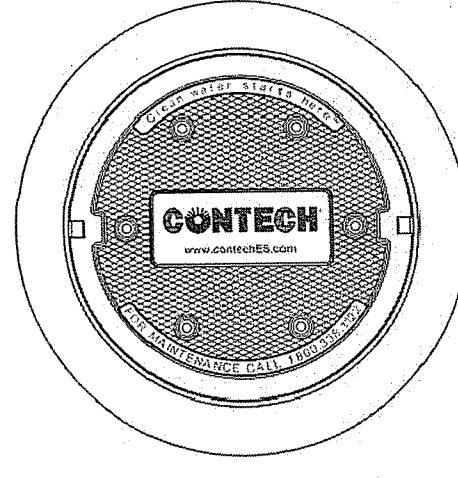
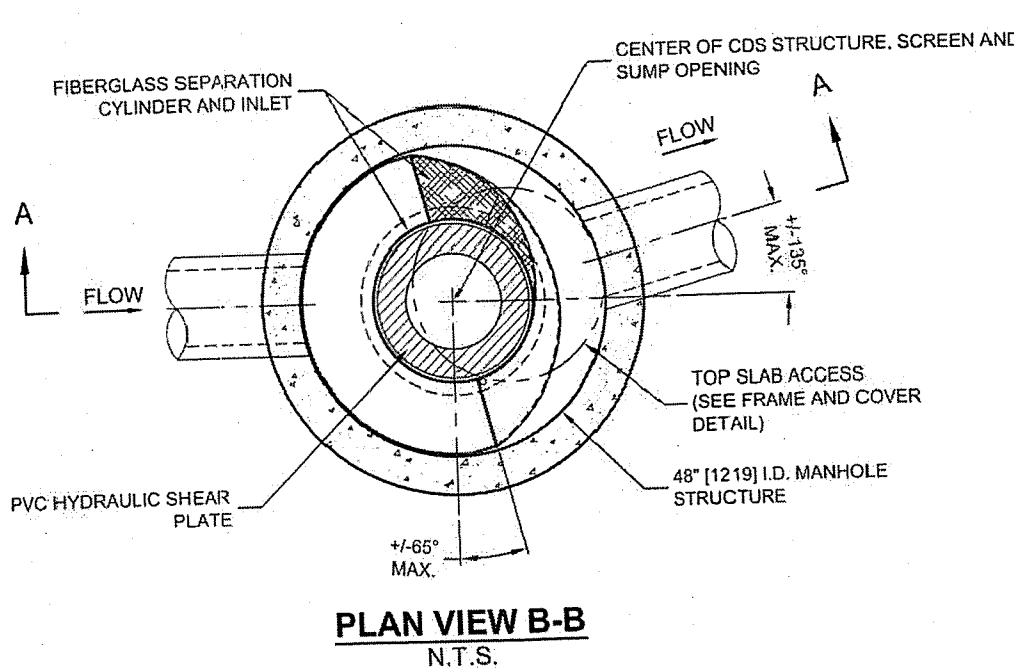
CDS1515-3-C  
 ONLINE CDS  
 STANDARD DETAIL

**CDS2015-4-C DESIGN NOTES**

THE STANDARD CDS2015-4-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

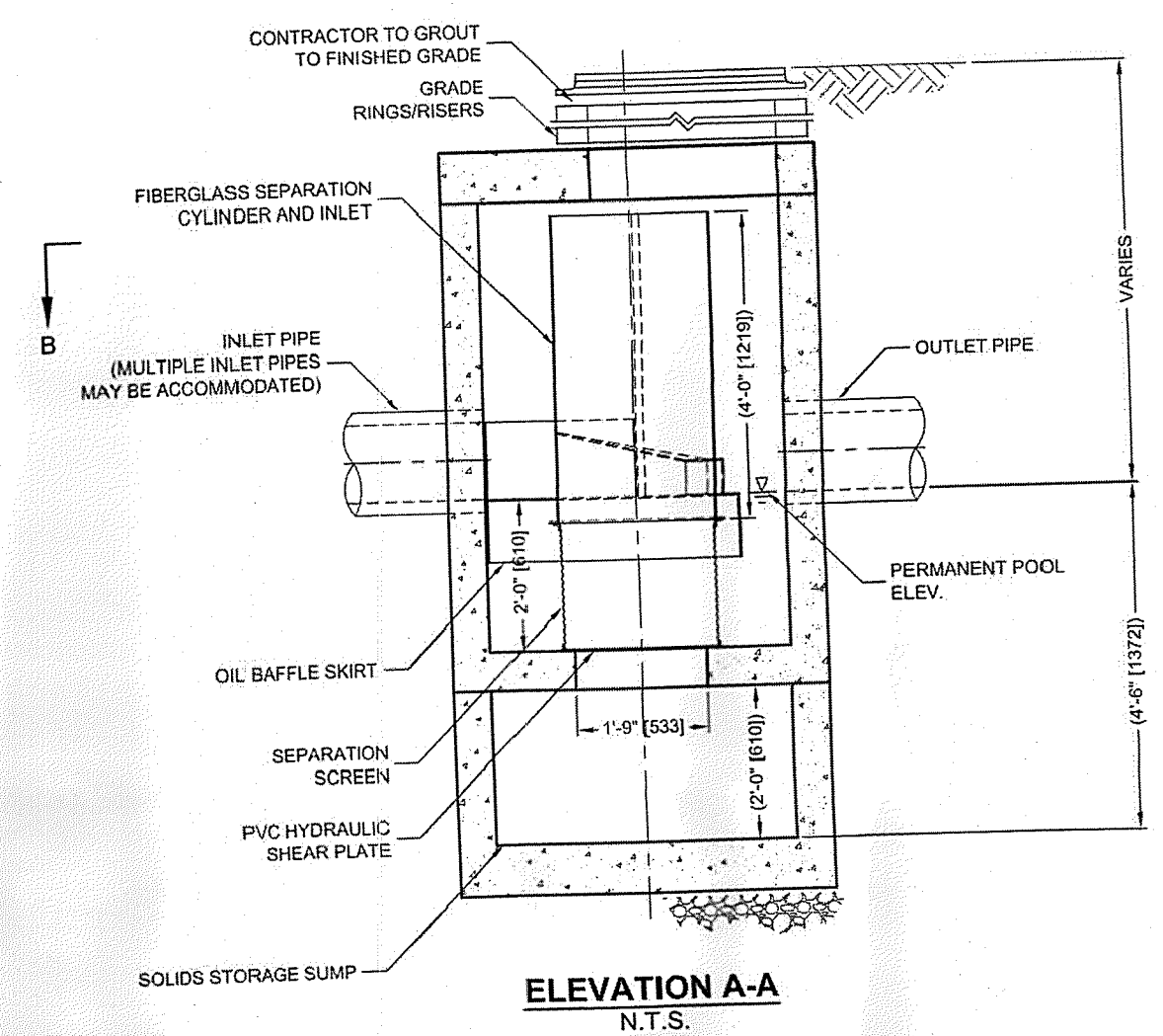
**CONFIGURATION DESCRIPTION**

GRATED INLET ONLY (NO INLET PIPE)
GRATED INLET WITH INLET PIPE OR PIPES
CURB INLET ONLY (NO INLET PIPE)
CURB INLET WITH INLET PIPE OR PIPES
SEPARATE OIL BAFFLE (SINGLE INLET PIPE REQUIRED FOR THIS CONFIGURATION)
SEDIMENT WEIR FOR NJDEP / NJCAT CONFORMING UNITS



**SITE SPECIFIC DATA REQUIREMENTS**

STRUCTURE ID			
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PEAK FLOW RATE (CFS OR L/S)			
RETURN PERIOD OF PEAK FLOW (YRS)			
SCREEN APERTURE (2400 OR 4700)			
PIPE DATA	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	*	*	*
INLET PIPE 2	*	*	*
OUTLET PIPE	*	*	*
RIM ELEVATION			
ANTI-FLOTATION BALLAST	WIDTH	HEIGHT	
NOTES/SPECIAL REQUIREMENTS:			
* PER ENGINEER OF RECORD			



- GENERAL NOTES**
- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
  - DIMENSIONS MARKED WITH (\*) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
  - FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. [www.contechES.com](http://www.contechES.com)
  - CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
  - STRUCTURE SHALL MEET ASHTO M309 AND CASTINGS SHALL MEET ASHTO M309. CONTRACTOR TO CONFIRM ACTUAL GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
  - PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.
- INSTALLATION NOTES**
- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
  - CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
  - CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPE(S). MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
  - CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.



CDS2015-4-C  
 INLINE CDS  
 STANDARD DETAIL

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2.	11/19/2021	PRELIMINARY PLAN AND STORMWATER PERMITTING PLANS	CEV	SMM
1.	11/16/2021	MASTER PLAN	CEV	BEK

SEAL

SCALE:  
 HORZ.: AS NOTED  
 VERT.:  
 DATUM:  
 HORZ.: NAD83  
 VERT.: NAVD88

GRAPHIC SCALE

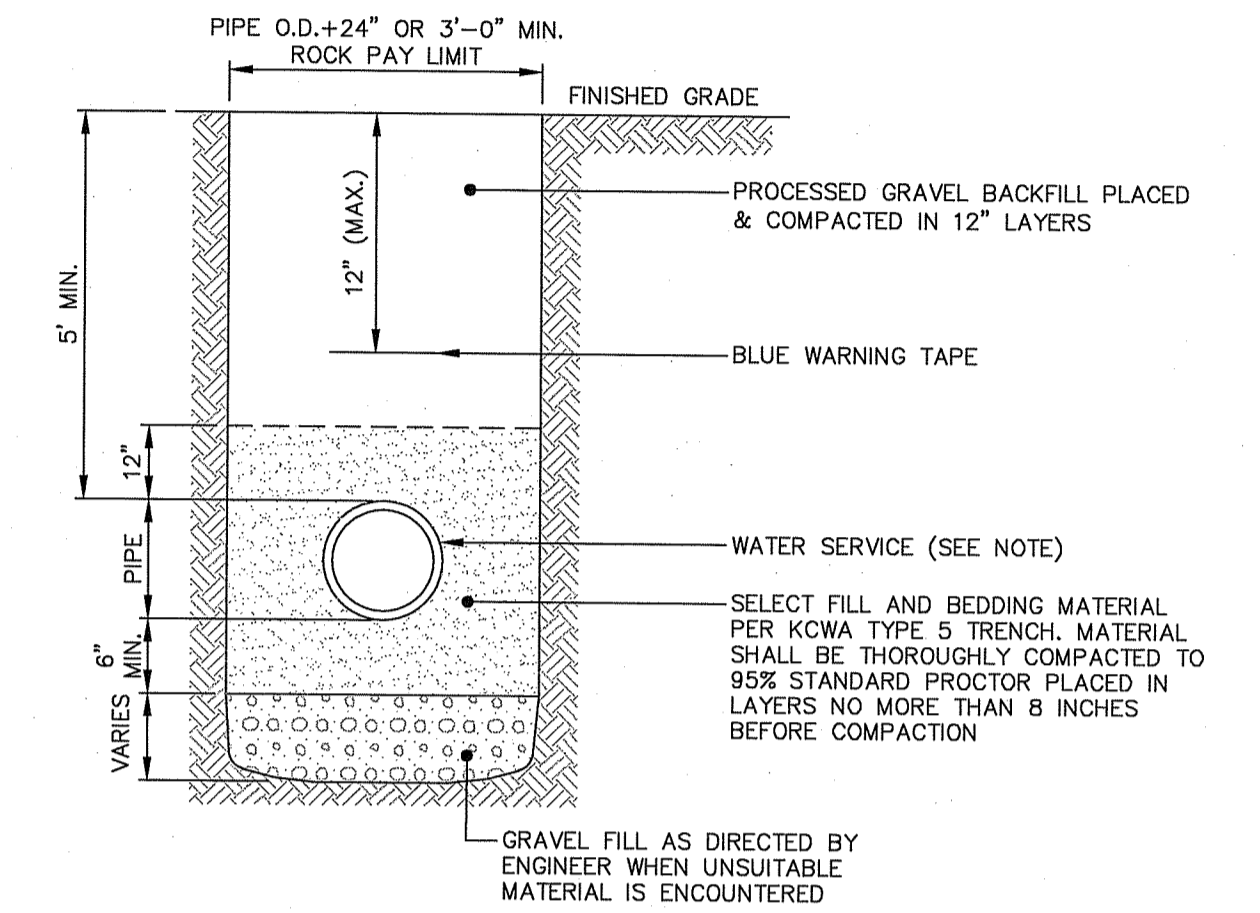
**FUSS & O'NEILL**  
 317 IRON HORSE WAY, SUITE 204  
 PROVIDENCE, RI 02908  
 401.861.3070  
[www.fandoo.com](http://www.fandoo.com)

WASTE MANAGEMENT OF RHODE ISLAND, INC.  
 DETAILS  
 NEWPORT TRANSFER STATION  
 65 HALSEY STREET  
 NEWPORT, RHODE ISLAND

PROJ. No.: 20020969N20  
 DATE: NOVEMBER 19, 2021  
**CD-506**



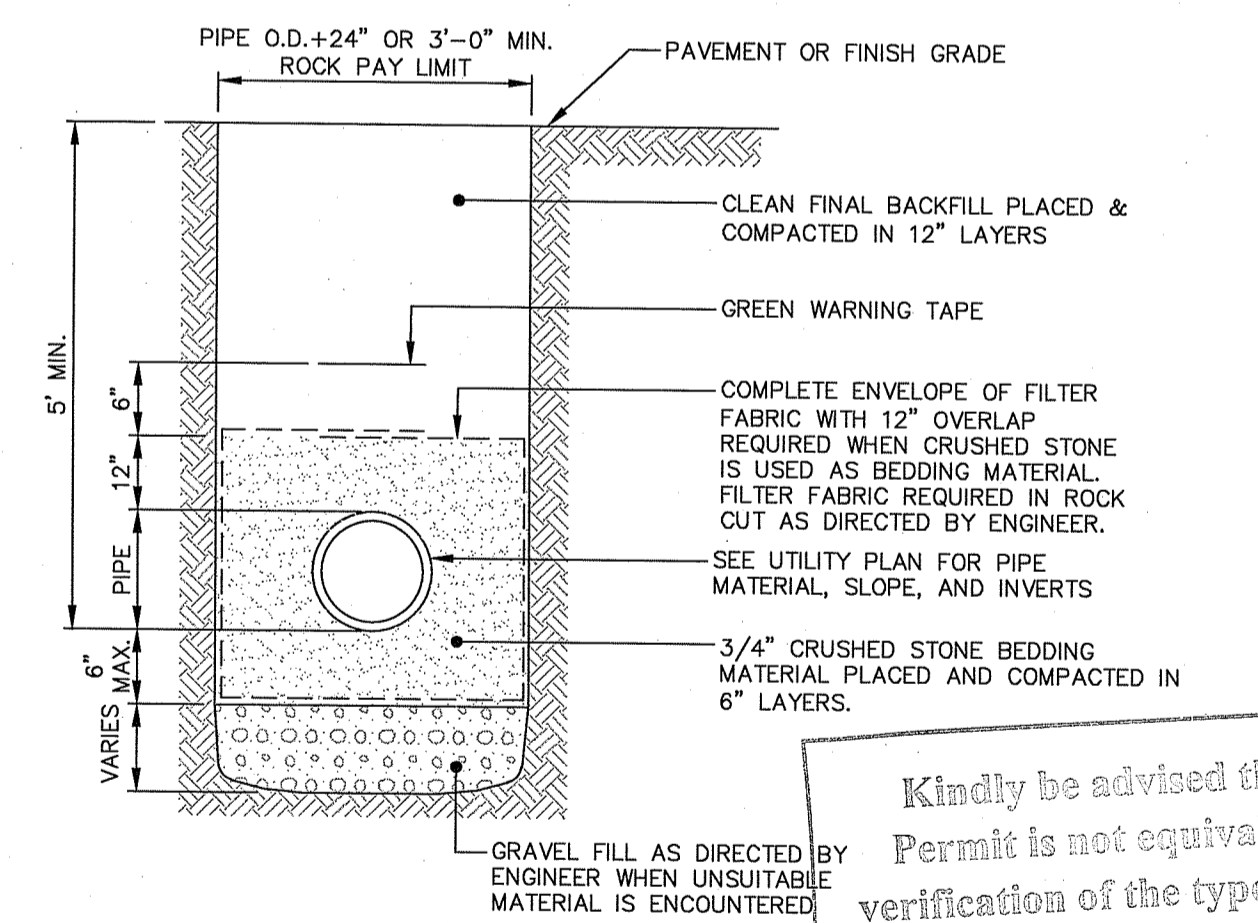
RI Environmental Management  
 DEC 01 2021  
 Office of Water Resources



**WATER TRENCH**  
 NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
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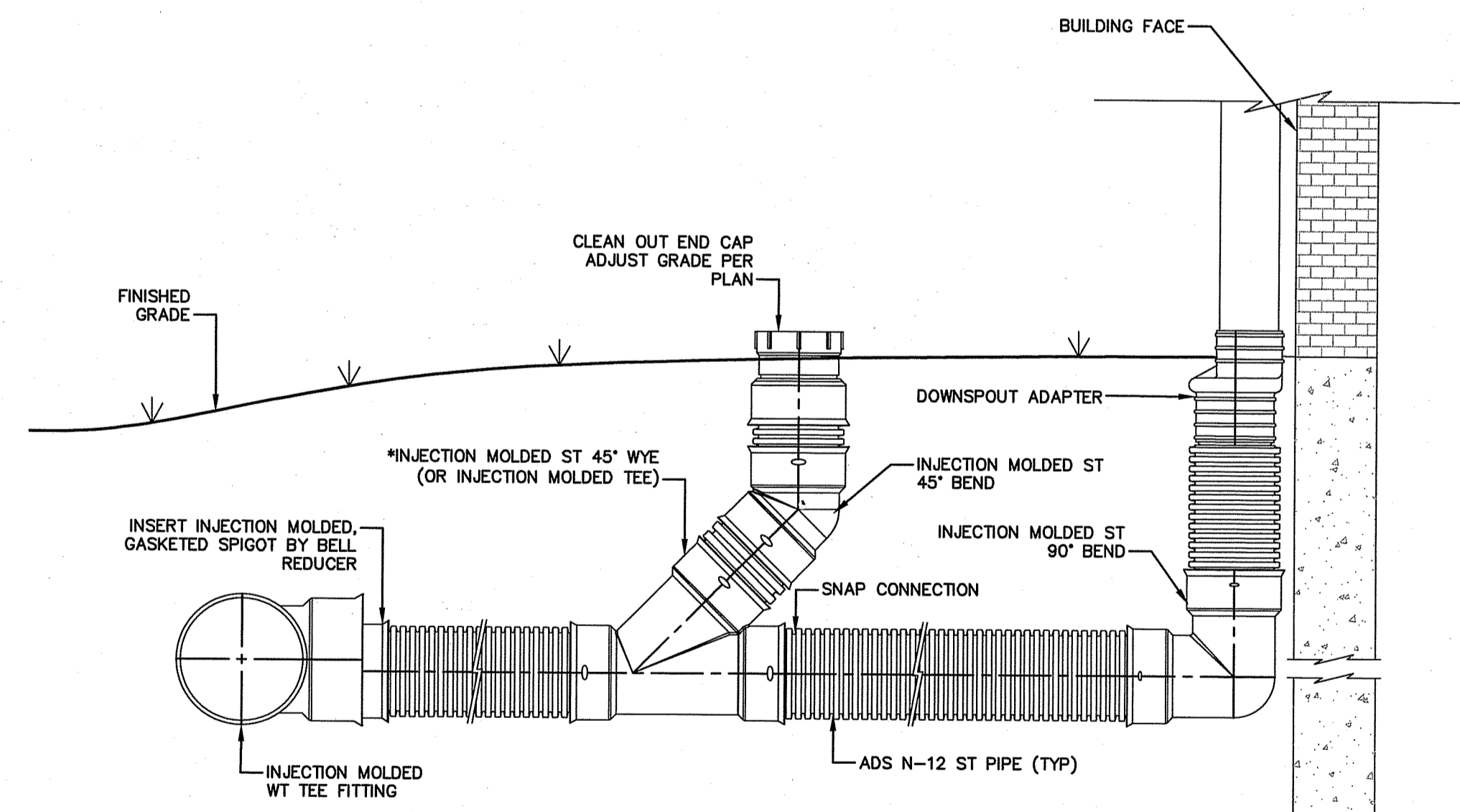
*Nancy L. Freeman*



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NOTES:  
 1. SEWER TO BE INSULATED WITH 2" RIGID FOAM WHEN LESS THAN 4' COVER IS PROVIDED.

**SEWER TRENCH**  
 NOT TO SCALE



**DOWNSPOUT CONNECTION**  
 NOT TO SCALE

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 Plotter: AUTOCAD PDF (GENERAL DOCUMENTATION).PC3 CTB File: FOSTB  
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No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
2.	11/19/2021	PRELIMINARY PLAN AND STORMWATER PERMITTING PLANS	CEV	SMM
1.	11/16/2021	MASTER PLAN	CEV	BEK

SEAL

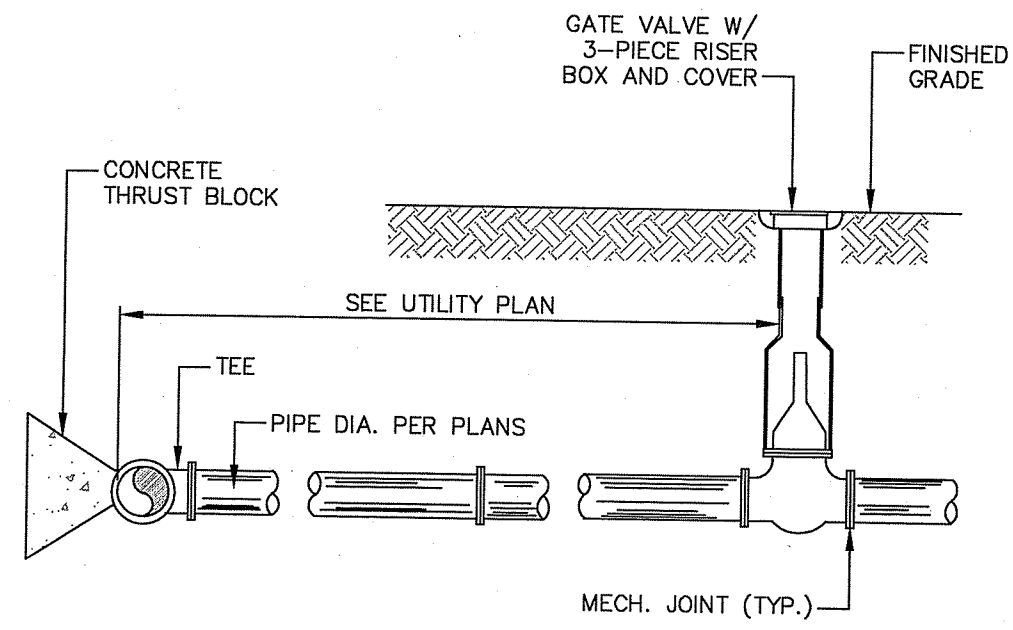


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 VERT.:  
 DATUM:  
 HORZ.: NAD83  
 VERT.: NAVD88  
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 GRAPHIC SCALE

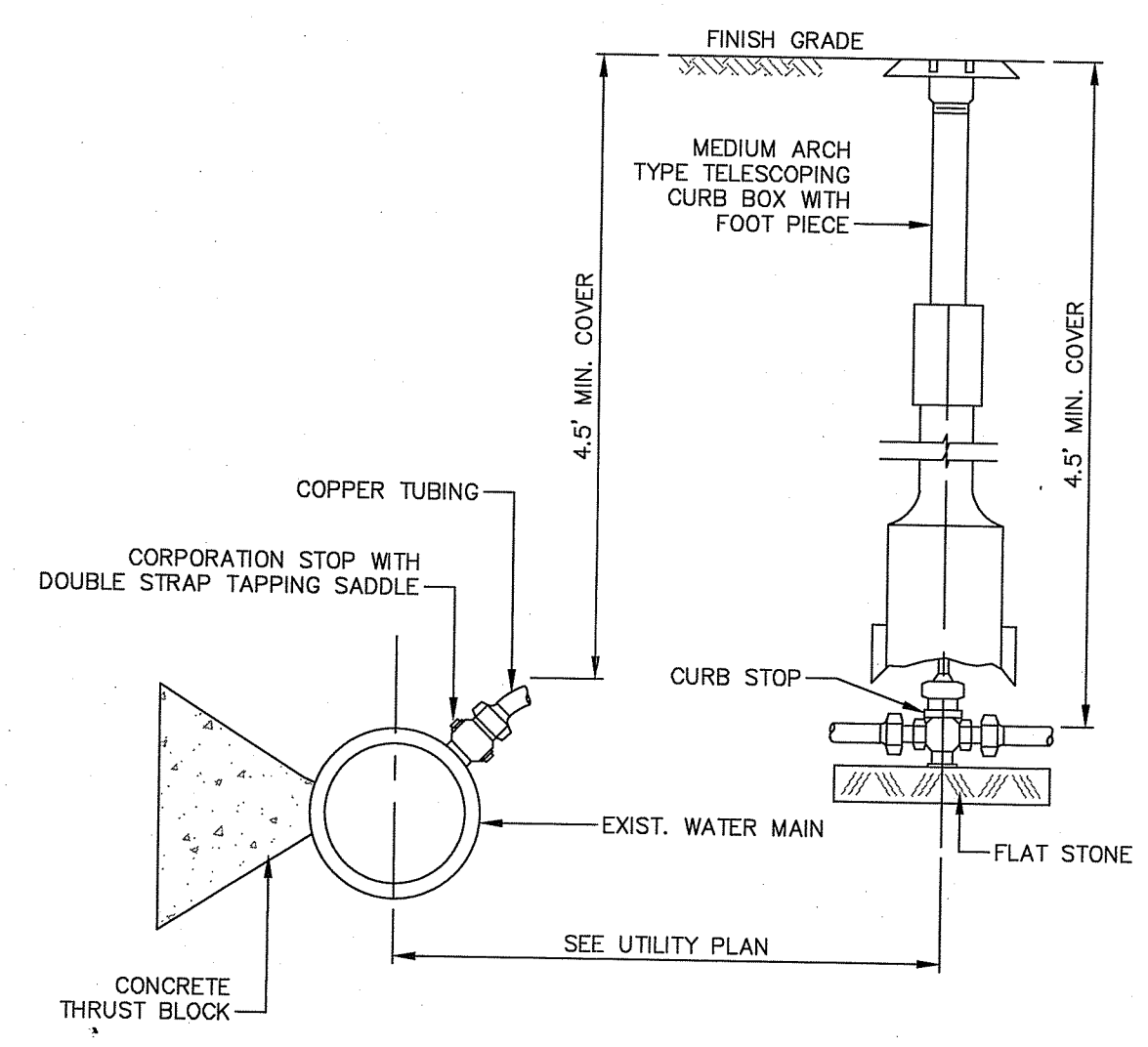
**FUSS & O'NEILL**  
 317 IRON HORSE WAY, SUITE 204  
 PROVIDENCE, RI 02908  
 401.861.3070  
 www.fando.com

WASTE MANAGEMENT OF RHODE ISLAND, INC.  
 DETAILS  
 NEWPORT TRANSFER STATION  
 65 HALSEY STREET  
 NEWPORT, RHODE ISLAND

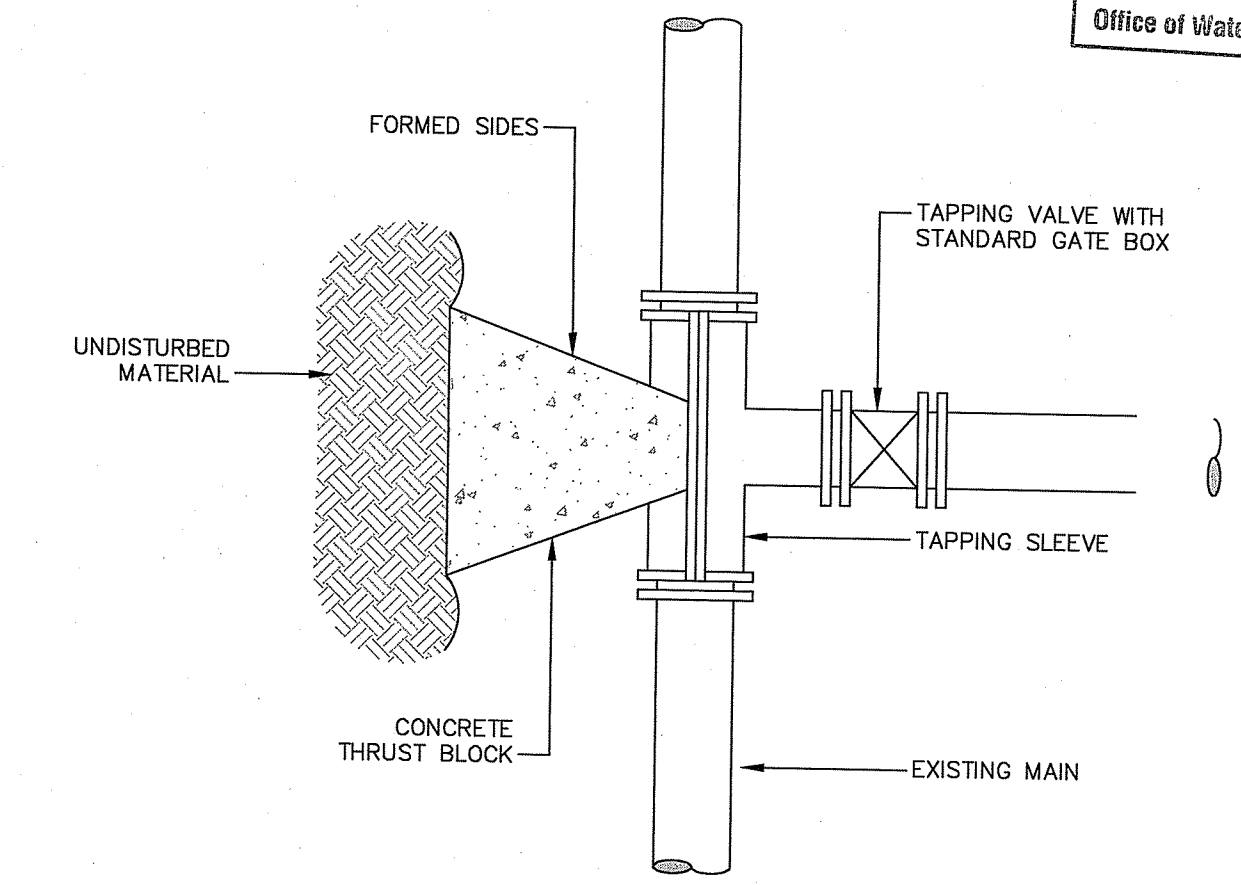
PROJ. No.: 20020969N20  
 DATE: NOVEMBER 19, 2021  
**CD-508**



**FIRE PROTECTION SERVICE CONNECTION**  
NOT TO SCALE



**DOMESTIC WATER SERVICE CONNECTION**  
NOT TO SCALE



**TAPPING SLEEVE AND GATE VALVE**  
NOT TO SCALE

TABLE OF DIMENSIONS

BENDS					BENDS					
B	C	D	E	F	B	C	D	E	F	
6"	11 1/4"	8"	15"	12"	24"	12"	6"	45"	8"	30"
6"	22 1/2"	19"	19"	13"	6"	90"	30"	27"	24"	
8"	11 1/4"	20"	12"	8"	45"	30"	24"	24"	24"	
8"	22 1/2"	22"	17"	8"	90"	38"	36"	36"	36"	
12"	11 1/4"	30"	15"	12"	45"	40"	40"	40"	40"	
12"	22 1/2"	35"	25"	12"	90"	60"	52"	52"	52"	

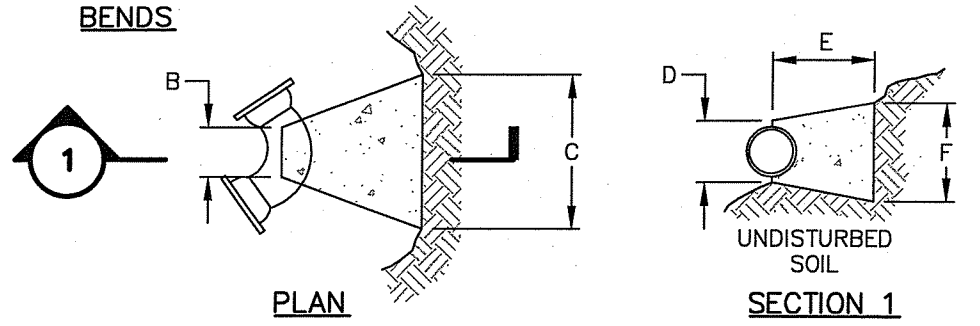
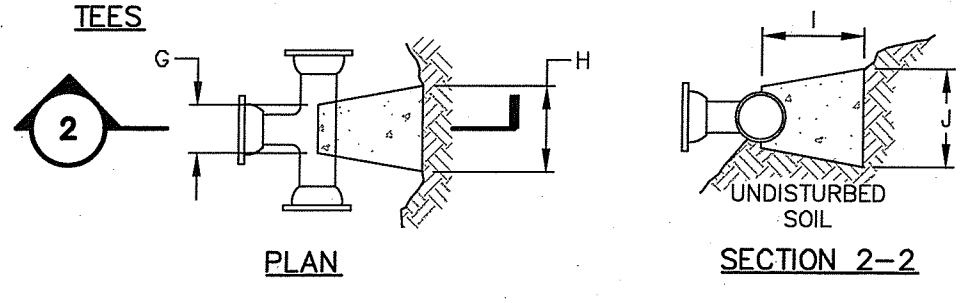


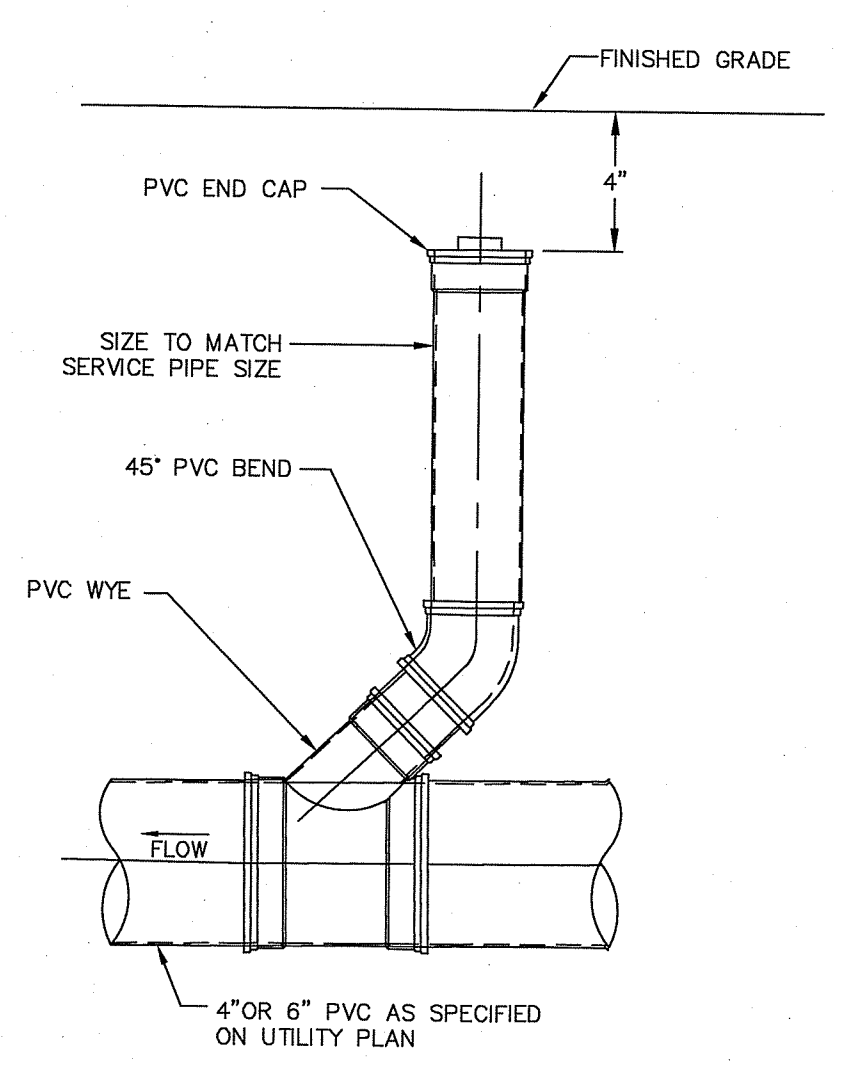
TABLE OF DIMENSIONS

TEES				TEES			
G	H	I	J	G	H	I	J
6"x 6"	6"	12"	24"	12"x 12"	6"	12"	24"
8"x 8"	6"	12"	24"	12"x 12"	8"	12"	24"
8"x 8"	8"	12"	24"	12"x 12"	12"	36"	36"

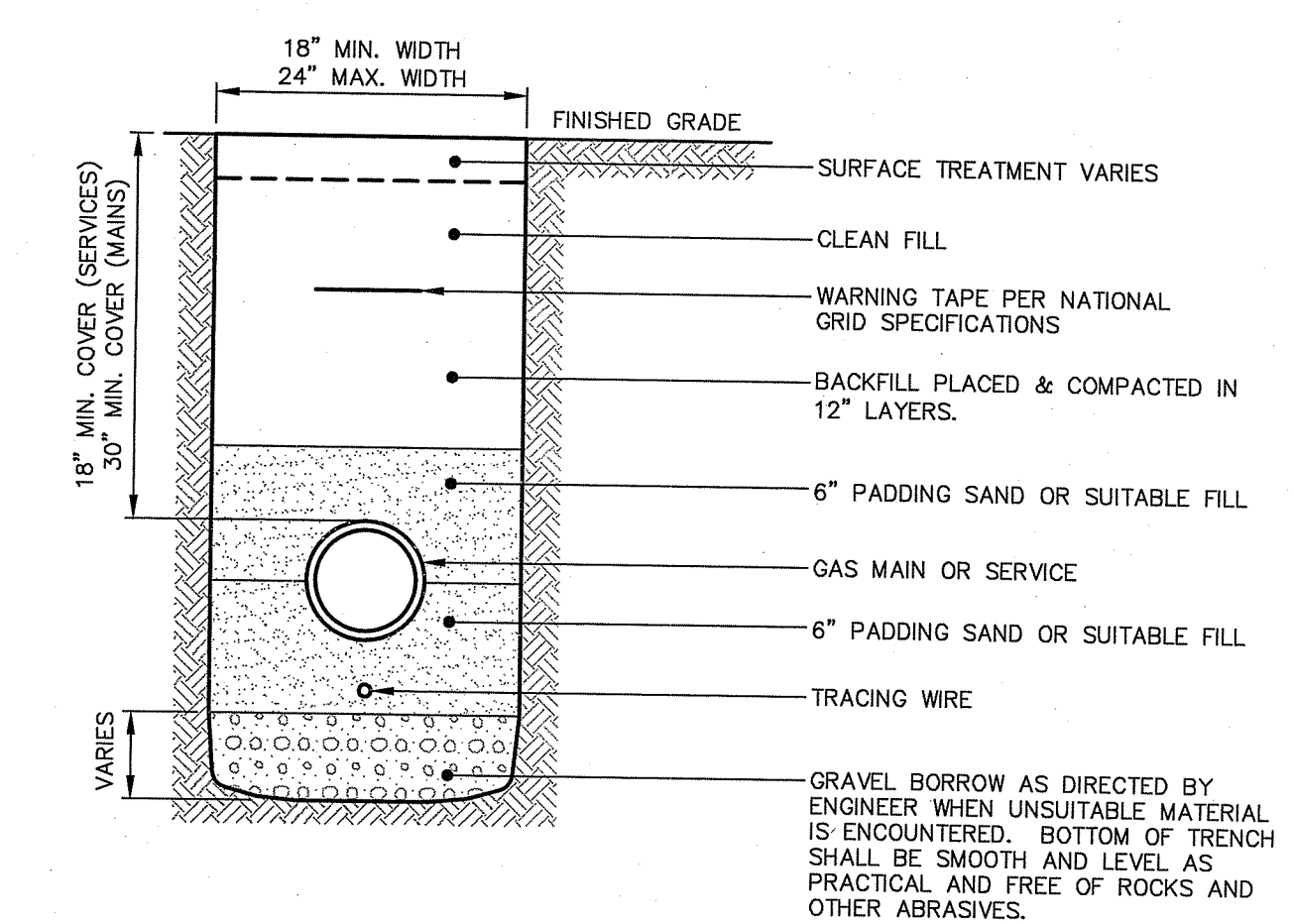


- NOTES:
1. PROVIDE BLOCKS FOR TAPPING SLEEVES, DEAD ENDS, GATE VALVES, AND VERTICAL BENDS (SAME SIZE AS REQUIRED FOR TEES). PROVIDE ANCHOR RODS AT VERTICAL BENDS AND GATE VALVES.
  2. CONCRETE SHALL NOT BE PLACED AGAINST PIPE BEYOND FITTING.
  3. CONCRETE SHALL HAVE 3,000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS.

**CONCRETE THRUST BLOCK**  
NOT TO SCALE



**SEWER CLEANOUT**  
NOT TO SCALE

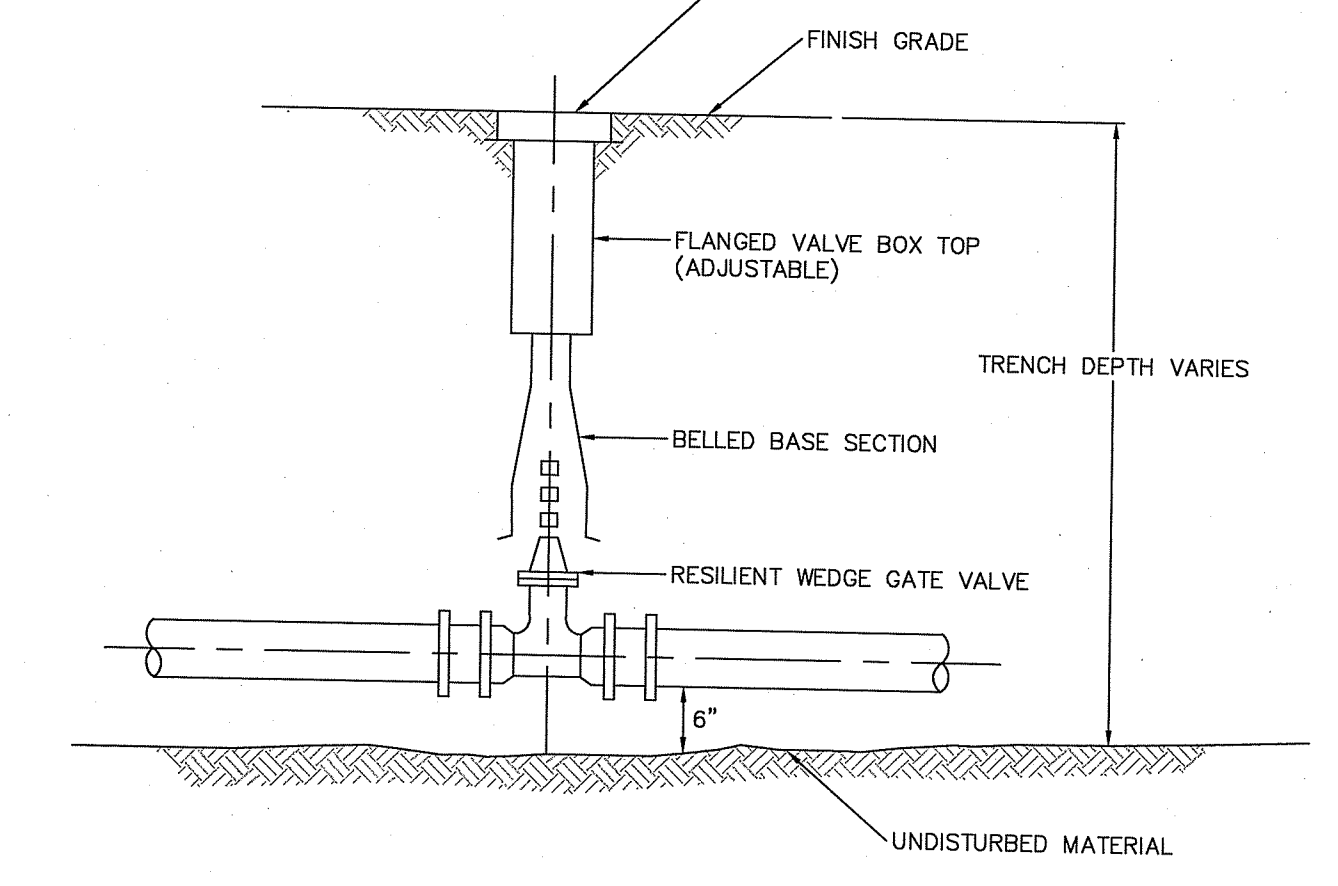


- NOTES:
1. BEDDING MATERIAL AND INITIAL BACKFILL SHALL BE CLEAN, FREE OF DEBRIS AND RUBBLE, AND FREE OF MATERIALS WHICH MAY CAUSE POLLUTION OF GROUNDWATER.
  2. SPOIL SHOULD BE SET BACK A MINIMUM OF TWO (2) FEET IN ACCORDANCE WITH OSHA REGULATIONS.
  3. GAS SERVICE MUST HAVE A MINIMUM HORIZONTAL SEPARATION OF THREE (3) FEET FROM PARALLEL UTILITIES. A ONE FOOT SEPARATION MUST BE MAINTAINED WHEN CROSSING OTHER UTILITIES.
  4. THE MAXIMUM TRENCH DEPTH FOR GAS MAINS IS 48-INCHES WHILE THE MAXIMUM TRENCH DEPTH FOR SERVICES IS 36-INCHES.

**GAS TRENCH**  
NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
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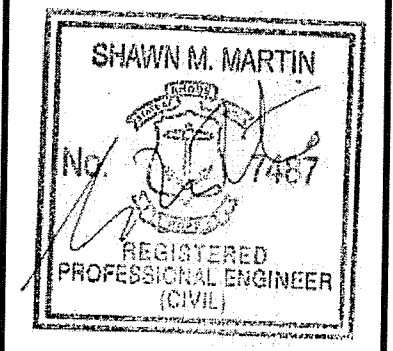
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**GATE VALVE**  
NOT TO SCALE

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11/19/2021	PRELIMINARY PLAN AND STORMWATER PERMITTING PLANS	CEV	SMM
11/16/2021	MASTER PLAN	CEV	BEK

SEAL



SCALE:

HORZ.: AS NOTED  
VERT.: AS NOTED

DATUM:

HORZ.: NAD83  
VERT.: NAVD88

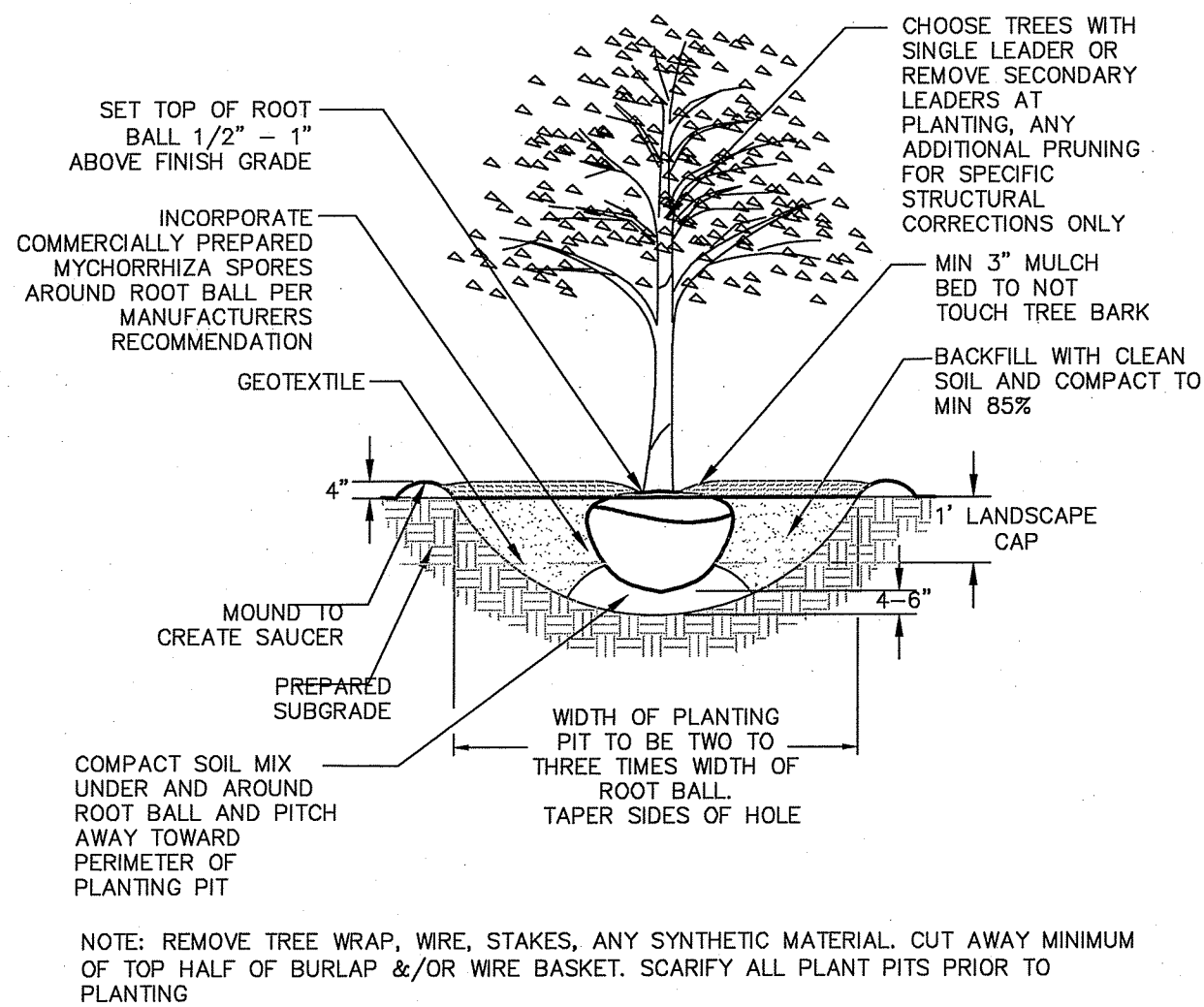
GRAPHIC SCALE

**FUSS & O'NEILL**  
317 IRON HORSE WAY, SUITE 204  
PROVIDENCE, RI 02908  
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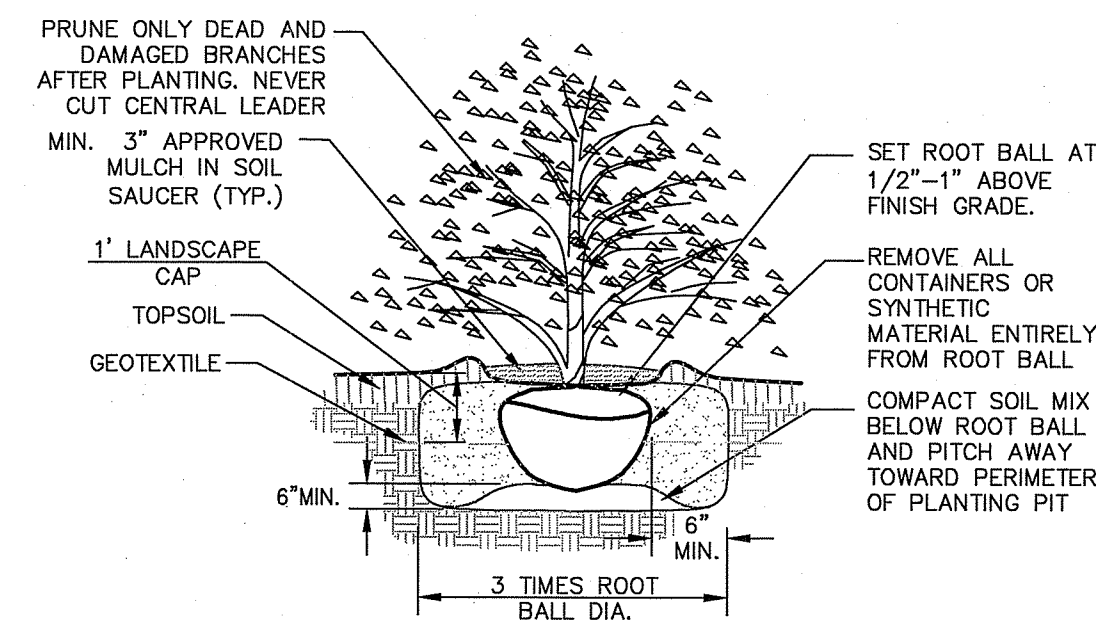
WASTE MANAGEMENT OF RHODE ISLAND, INC.  
DETAILS  
NEWPORT TRANSFER STATION  
65 HALSEY STREET  
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DATE: NOVEMBER 19, 2021

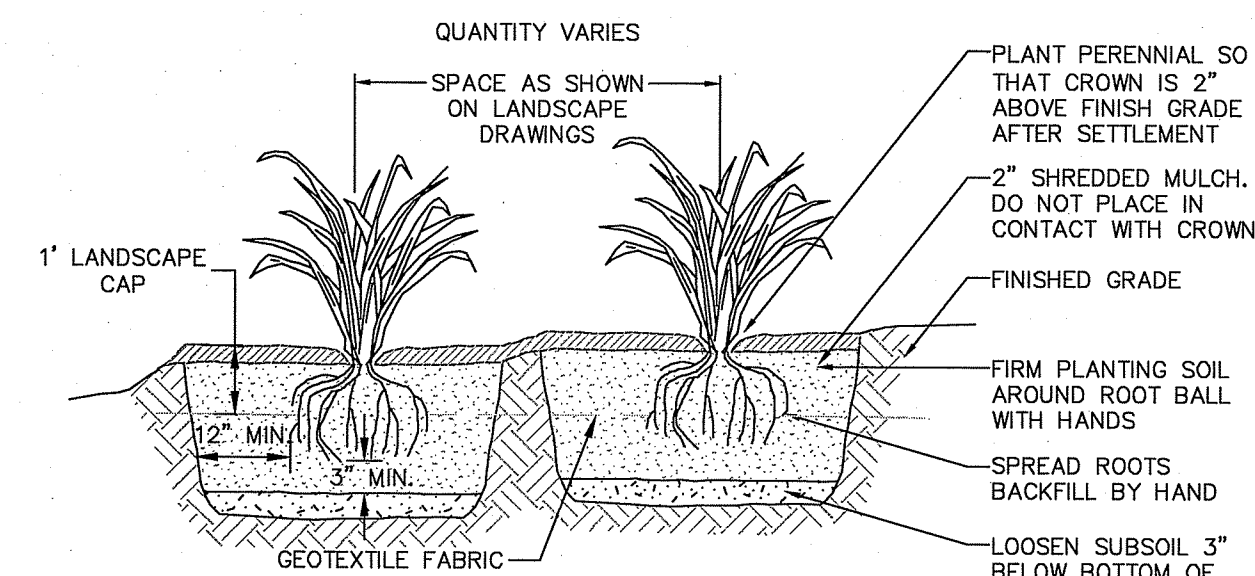
CD-509



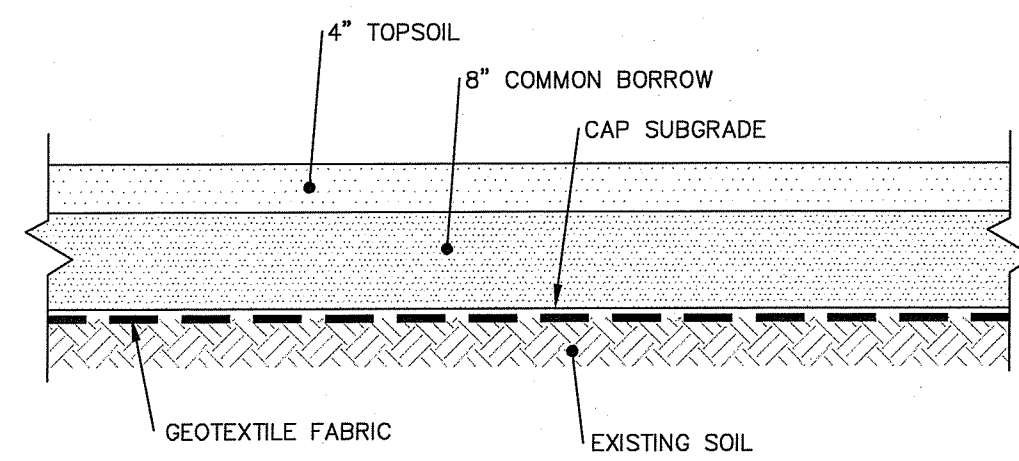
**TREE PLANTING**  
NOT TO SCALE



**SHRUB PLANTING**  
NOT TO SCALE



**PERENNIAL PLANT BED**  
NOT TO SCALE



**LANDSCAPE CAP**  
NOT TO SCALE

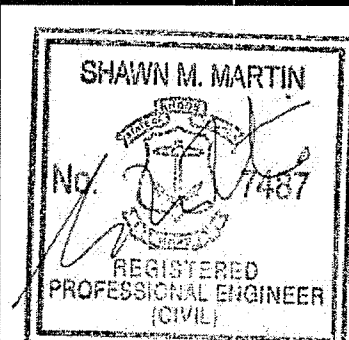
RI Environmental Management  
DEC 01 2021  
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
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2.	11/19/2021	PRELIMINARY PLAN AND STORMWATER PERMITTING PLANS	CEV	SMM
1.	11/16/2021	MASTER PLAN	CEV	BEK

SEAL



SCALE:  
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HORIZ.: NAD83  
VERT.: NAVD88

GRAPHIC SCALE

**FUSS & O'NEILL**  
317 IRON HORSE WAY, SUITE 204  
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WASTE MANAGEMENT OF RHODE ISLAND, INC.  
LANDSCAPE DETAILS  
NEWPORT TRANSFER STATION  
65 HALSEY STREET  
NEWPORT, RHODE ISLAND

PROJ. No.: 20020969N20  
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