

CITY OF NEWPORT, RHODE ISLAND WATER POLLUTION CONTROL SYSTEM DESIGN - BUILD - OPERATE PROJECT 15-023

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 16 2017 FILE # 17-0086
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Martin D. Wenzel

NEWPORT WATER SERVICES, LLC
SUEZ • AECOM

JOHN FINNEGAN
No. 11790
REGISTERED PROFESSIONAL ENGINEER
CIVIL

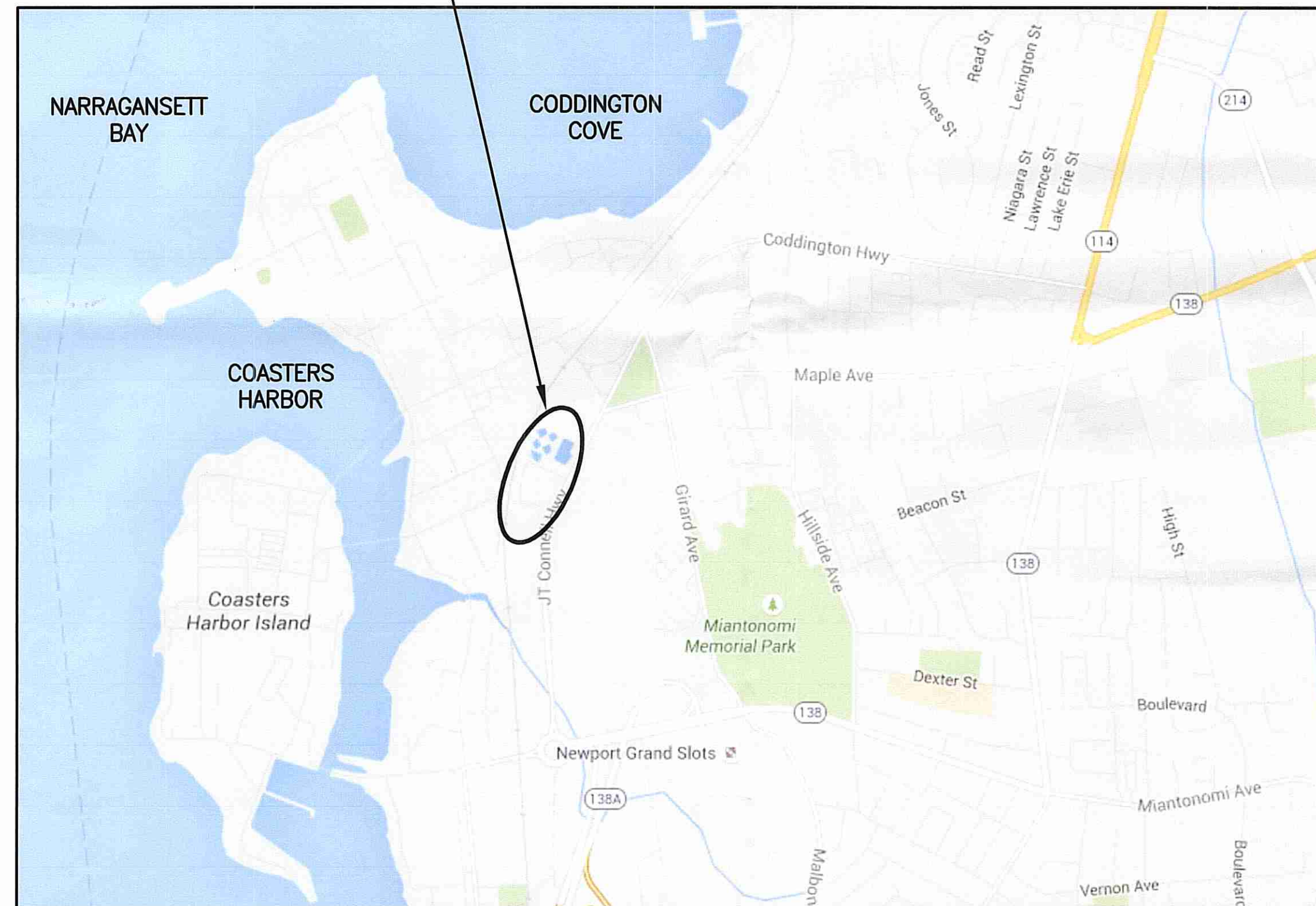
CITY OF NEWPORT, RHODE ISLAND
WATER POLLUTION CONTROL SYSTEM DBO
PLANT UPGRADES
J.T. CONNELL HWY. AP 3 LOT 1 & AP 4 LOTS 3 & 80
COVER SHEET AND LOCATION PLAN
RIDEM PERMIT

PROJECT NO: 60506463
CAD DWG FILE: 00 G-001P
DESIGNED BY: K. SMITH
DRAWN BY: C. BENZIGER
DEPT CHECK: C. BENZIGER
PROJ CHECK: J. FINNEGAN
DATE: MARCH 2017
SCALE: AS NOTED

00 G-001P
SHEET 1 OF 11

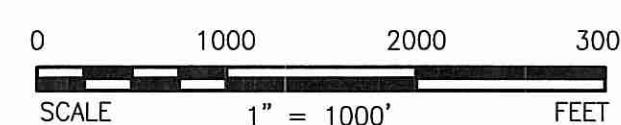
MARK	DATE	MADE BY	CHECKED	REVISIONS	DESCRIPTION

PROJECT LOCATION



VICINITY PLAN

SCALE: 1"=1000'



Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

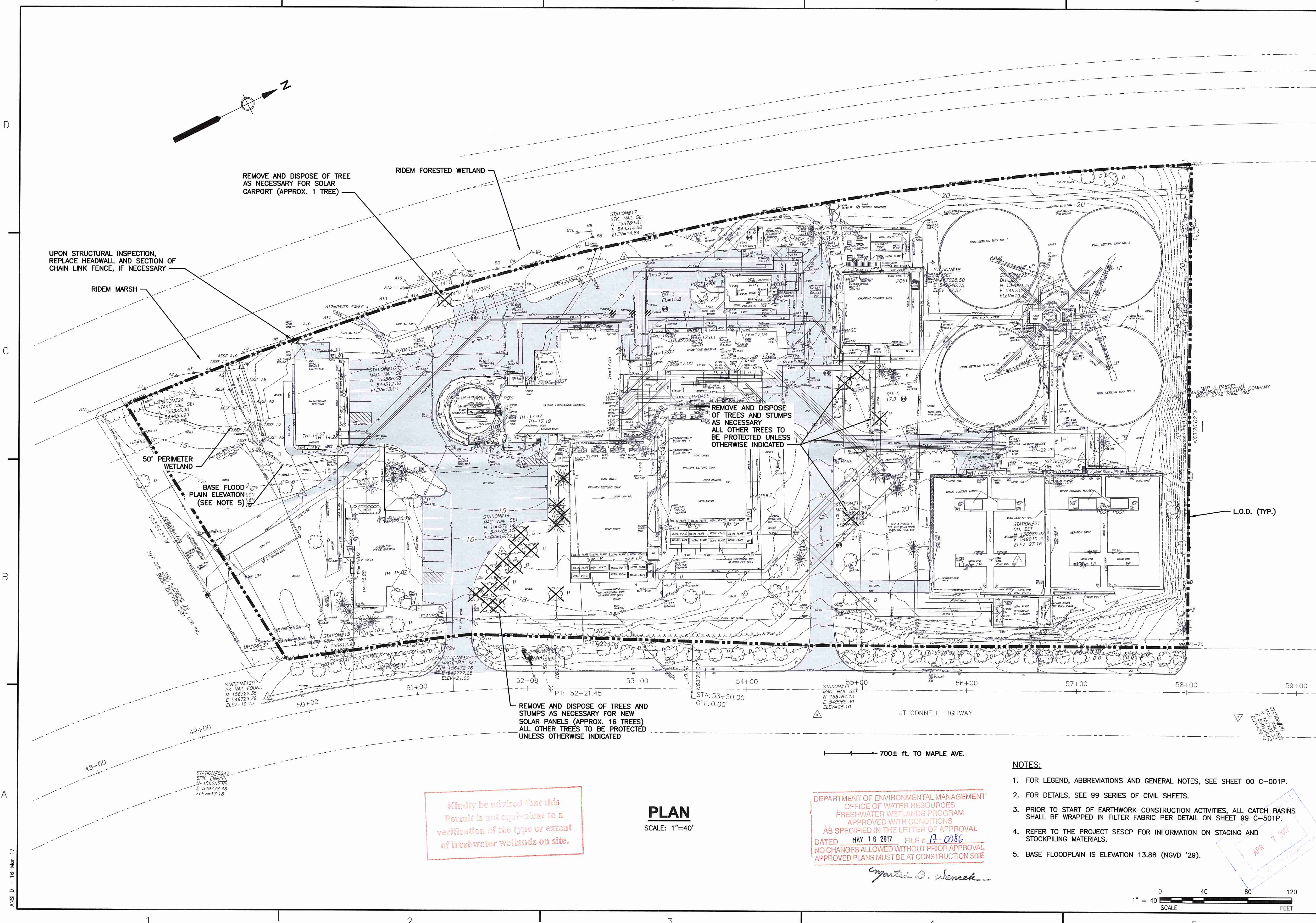
APR 7 2017

INDEX OF DRAWINGS

SHEET NO.	DRAWING NO.	DESCRIPTION
1	00 G-001P	COVER SHEET AND LOCATION PLAN
2	00 C-001P	LEGEND, ABBREVIATIONS AND GENERAL NOTES
3	00 C-101P	EXISTING CONDITIONS AND DEMOLITION PLAN
4	00 C-102P	TEMPORARY USES & EROSION AND SEDIMENT CONTROL PLAN
5	00 C-103P	SITE PLAN
6	00 C-104P	STORMWATER MANAGEMENT PLAN
7	00 C-105P	SOIL REMEDIATION PLAN
8	00 C-106P	YARD PIPING PLAN I
9	00 C-107P	YARD PIPING PLAN II – ENLARGED PLAN AT HEADWORKS/GRIT BUILDING
10	99 C-501P	DETAILS I
11	99 C-502P	DETAILS II

RIDEM PERMIT SUBMISSION MARCH 2017 NOT FOR CONSTRUCTION

ANSI D - 15-MAR-17
 PATH/FILENAME: P:\60506463 - NEWPORT, RI WPES DBO\DWG\SHEETS\C-101P.DWG
 LAST UPDATE: Thursday, March 16, 2017 12:04:14 PM
 PLOT DATE: Tuesday, March 21, 2017 6:28:50 AM



REMOVE AND DISPOSE OF TREE AS NECESSARY FOR SOLAR CARPORT (APPROX. 1 TREE)

UPON STRUCTURAL INSPECTION, REPLACE HEADWALL AND SECTION OF CHAIN LINK FENCE, IF NECESSARY

RIDEM MARSH

50' PERIMETER WETLAND
 BASE FLOOD PLAIN ELEVATION (SEE NOTE 5)

RIDEM FORESTED WETLAND

REMOVE AND DISPOSE OF TREES AND STUMPS AS NECESSARY ALL OTHER TREES TO BE PROTECTED UNLESS OTHERWISE INDICATED

REMOVE AND DISPOSE OF TREES AND STUMPS AS NECESSARY FOR NEW SOLAR PANELS (APPROX. 16 TREES) ALL OTHER TREES TO BE PROTECTED UNLESS OTHERWISE INDICATED

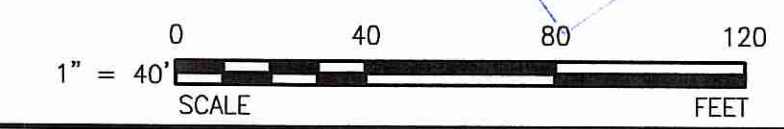
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

PLAN
 SCALE: 1"=40'

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Christopher D. Wemek

- NOTES:**
- FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES, SEE SHEET 00 C-001P.
 - FOR DETAILS, SEE 99 SERIES OF CIVIL SHEETS.
 - PRIOR TO START OF EARTHWORK CONSTRUCTION ACTIVITIES, ALL CATCH BASINS SHALL BE WRAPPED IN FILTER FABRIC PER DETAIL ON SHEET 99 C-501P.
 - REFER TO THE PROJECT SESCO FOR INFORMATION ON STAGING AND STOCKPILING MATERIALS.
 - BASE FLOODPLAIN IS ELEVATION 13.88 (NGVD '29).

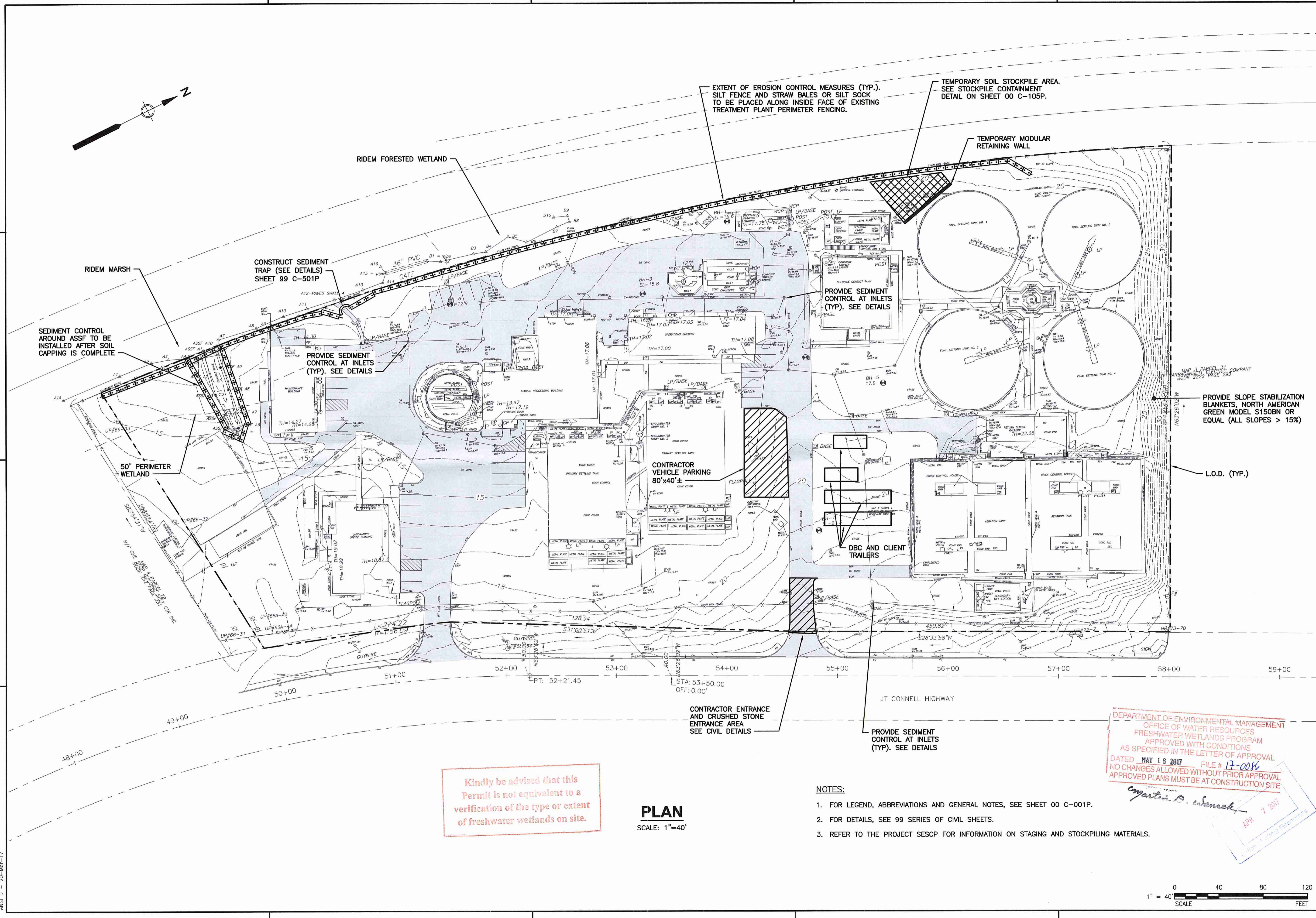
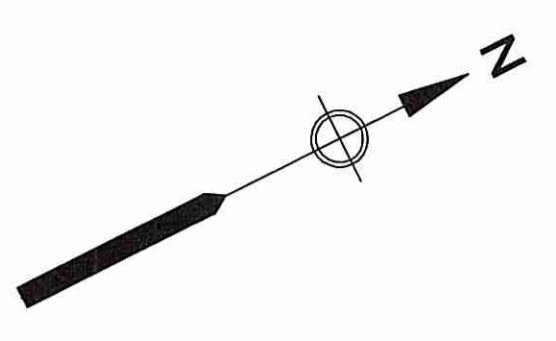


NEWPORT WATER SERVICES, LLC		SUEZ • AECOM	
CITY OF NEWPORT, RHODE ISLAND		WATER POLLUTION CONTROL SYSTEM DBO	
PLANT UPGRADES		J.T. CONNELL HWY. AP 3 LOT 1 & AP 4 LOTS 3 & 80	
EXISTING CONDITIONS AND		DEMOLITION PLAN	
RIDEM PERMIT		L.O.D. (TYP.)	
PROJECT NO: 60506463		CAD DWG FILE: 00 C-101P	
DESIGNED BY: K. SMITH		DRAWN BY: C. BENZIGER	
DEPT CHECK: C. BENZIGER		PROJ CHECK: J. FINNEGAN	
DATE: MARCH 2017		SCALE: AS NOTED	
SHEET 3 OF 11		00 C-101P	

MARK	DATE	MADE BY	CHECKED	DESCRIPTION

JOHN FINNEGAN
 No. 11790
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

APR 7 2017



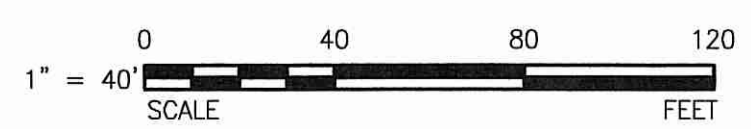
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PLAN
SCALE: 1"=40'

- NOTES:**
- FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES, SEE SHEET 00 C-001P.
 - FOR DETAILS, SEE 99 SERIES OF CIVIL SHEETS.
 - REFER TO THE PROJECT SSCP FOR INFORMATION ON STAGING AND STOCKPILING MATERIALS.

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Matthew A. Wenzel
APR 7 2017

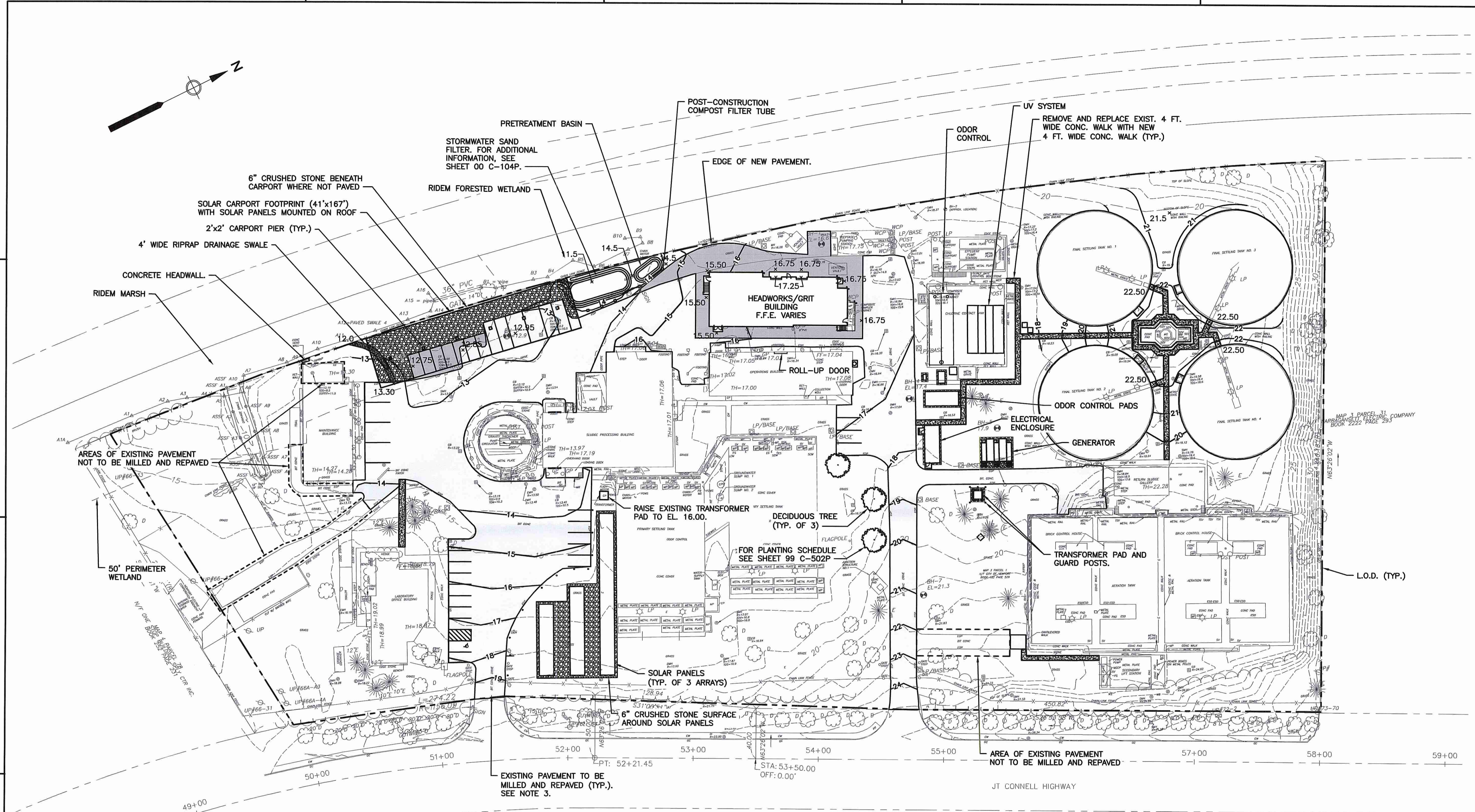


NEWPORT WATER SERVICES, LLC		SUEZ • AECOM	
CITY OF NEWPORT, RHODE ISLAND WATER POLLUTION CONTROL SYSTEM DBO PLANT UPGRADES J.T. CONNELL HWY. AP 3 LOT 1 & AP 4 LOTS 3 & 80 TEMPORARY USES & EROSION AND SEDIMENT CONTROL PLAN RIDEM PERMIT			
PROJECT NO:	60506463	DATE:	MARCH 2017
CAD DWG FILE:	00 C-102P	SCALE:	AS NOTED
DESIGNED BY:	K. SMITH	00 C-102P	
DRAWN BY:	C. BENZIGER	SHEET 4 OF 11	
DEPT CHECK:	C. BENZIGER		
PROJ CHECK:	J. FINNEGAN		

PATH/FILENAME: P:\60506463 - NEWPORT, RI WPCS DBO/SHEETS\000 C-102P.DWG
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 PLOT DATE: Tuesday, March 21, 2017 6:32:51 AM
 ANSI D - 20-Mar-17

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 PLOT DATE: Tuesday, March 21, 2017 6:39:01 AM

ANSI D - 18-Mar-17

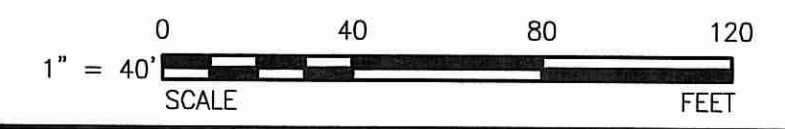


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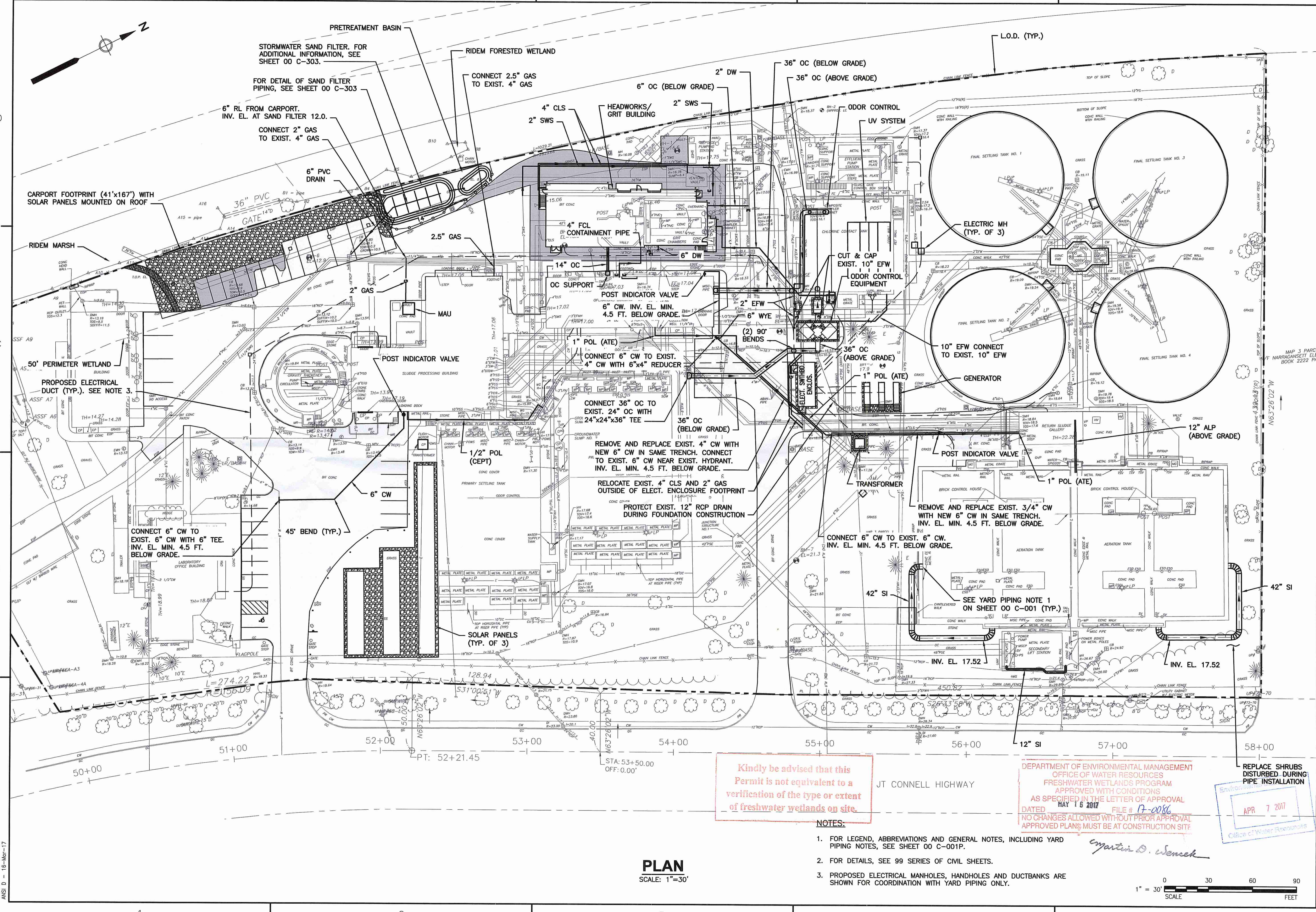
PLAN
 SCALE: 1"=40'

- NOTES:**
- FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES, SEE SHEET 00 C-001P.
 - FOR DETAILS, SEE 99 SERIES OF CIVIL SHEETS.
 - AT THE COMPLETION OF CONSTRUCTION, ALL ON-SITE ROAD PAVEMENTS AND PARKING AREAS, UNLESS NOTED OTHERWISE, SHALL BE REPAVED AND RESTRIPEDED (AS INDICATED BY THE SHADING ON THIS SHEET). ALL PAVED AREAS DEMOLISHED BY CONSTRUCTION SHALL BE RECONSTRUCTED WITH FULL DEPTH PAVING IN ACCORDANCE WITH THE RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE EXISTING BITUMINOUS LAYERS SHALL BE REMOVED BY MILLING TO A DEPTH OF 2-INCHES, AND SHALL BE REPLACED WITH NEW BITUMINOUS CONCRETE TOP COURSE MATERIALS IN ACCORDANCE WITH THE RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
 - UNPAVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH APPROVED LOAM AND SEED MIX, IN ACCORDANCE WITH RAWP. FOR ADDITIONAL INFORMATION, SEE SHEET 00 C-105P.



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PLANT UPGRADES		J.T. CONNELL HWY. AP 3 LOT 1 & AP 4 LOTS 3 & 80	
SITE PLAN		RIDEM PERMIT	
PROJECT NO:	60506463	DESIGNED BY:	K. SMITH
CAD DWG FILE:	00 C-103P	DRAWN BY:	C. BENZIGER
DEPT CHECK:	C. BENZIGER	DATE:	MARCH 2017
SCALE:	AS NOTED	SHEET:	5 OF 11

PATH/FILENAME: P:\60506463 - NEWPORT, RI WPCS DBO\SHEETS\C-00 C-106P.DWG
 LAST UPDATE: Thursday, March 16, 2017 1:49:58 PM
 PLOT DATE: Tuesday, March 21, 2017 6:43:13 AM



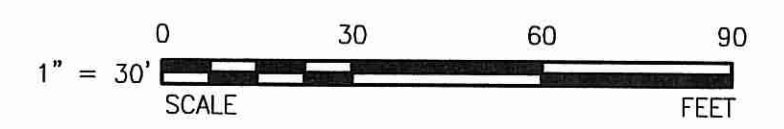
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REPLACE SHRUBS DISTURBED DURING PIPE INSTALLATION
 APR 7 2017
 Office of Water Resources

- NOTES:
- FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES, INCLUDING YARD PIPING NOTES, SEE SHEET 00 C-001P.
 - FOR DETAILS, SEE 99 SERIES OF CIVIL SHEETS.
 - PROPOSED ELECTRICAL MANHOLES, HANDHOLES AND DUCTBANKS ARE SHOWN FOR COORDINATION WITH YARD PIPING ONLY.

PLAN
 SCALE: 1"=30'



REVISIONS	DATE	MADE BY	CHECKED

NEWPORT WATER SERVICES, LLC
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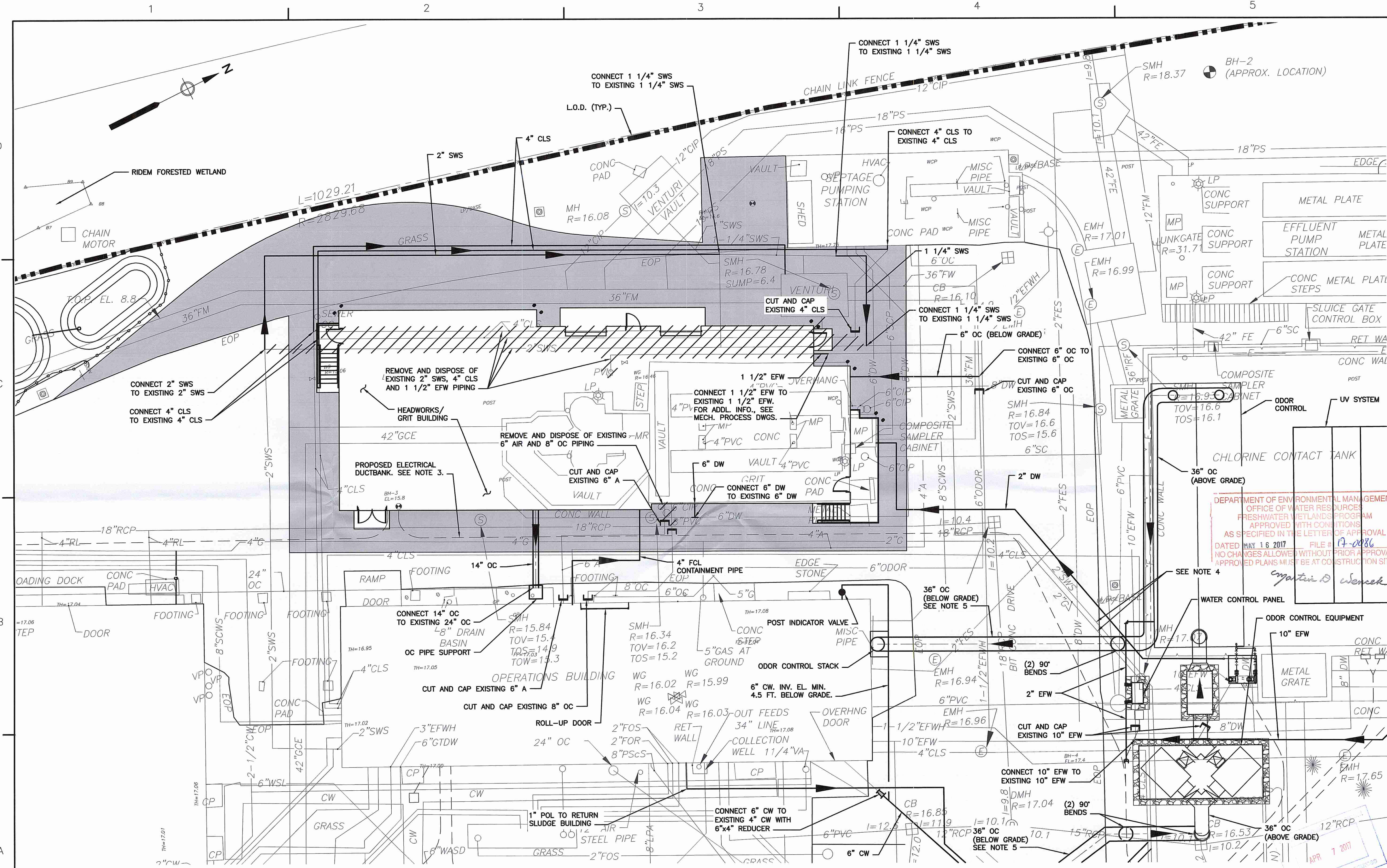
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CITY OF NEWPORT, RHODE ISLAND
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YARD PIPING PLAN I
 RIDEM PERMIT

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 DRAWN BY: C. BENZIGER
 DEPT CHECK: C. BENZIGER
 PROJ CHECK: J. FINNEGAN
 DATE: MARCH 2017
 SCALE: AS NOTED

00 C-106P
 SHEET 8 OF 11

PATH/FILENAME: P:\60506463 - NEWPORT, RI WPSC DBO/SHEETS\C00 C-107P.DWG
 LAST UPDATE: Thursday, March 16, 2017 1:53:54 PM
 PLOT DATE: Tuesday, March 21, 2017 6:59:27 AM



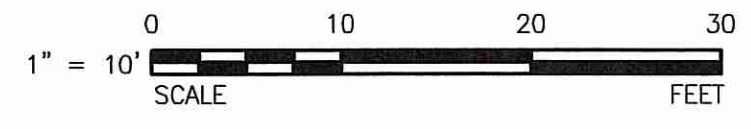
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ENLARGED PLAN AT HEADWORKS/GRIT BUILDING

SCALE: 1"=10'

NOTES:

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- FOR DETAILS, SEE 99 SERIES OF CIVIL SHEETS.
- PROPOSED ELECTRICAL MANHOLES, HANDHOLES AND DUCTBANKS ARE SHOWN FOR COORDINATION WITH YARD PIPING ONLY.
- RELOCATE AND REPLACE 2" GAS AND 2" SWS AS NECESSARY TO INSTALL 36" OC PIPING.
- IF COVER FOR 36" OC IS LESS THAN 4'-0", SUBMIT PLAN FOR ADDITIONAL PROTECTION.



REVISIONS	DESCRIPTION	DATE	MADE BY	CHECKED

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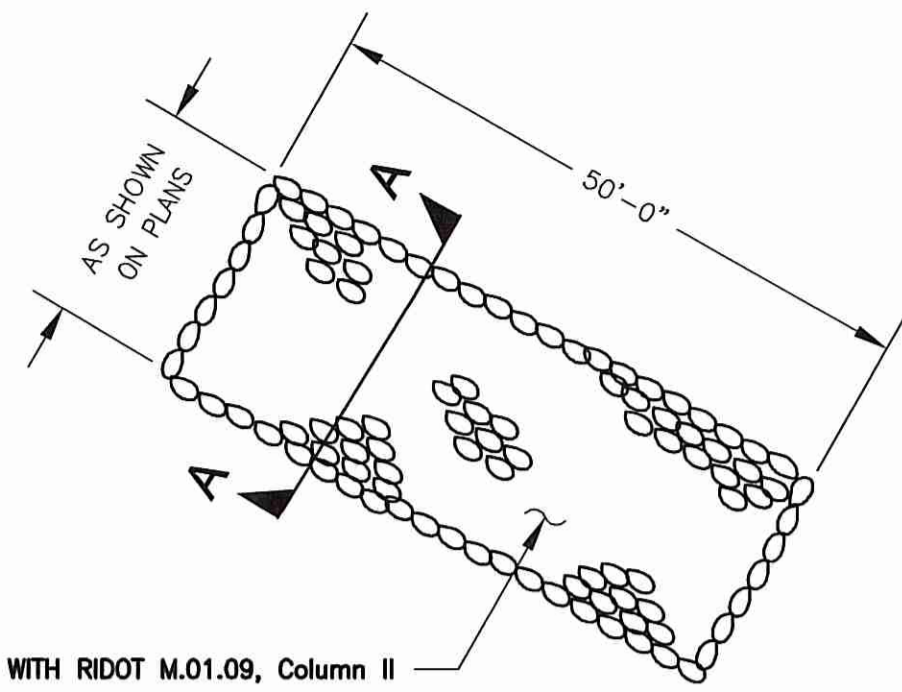
CITY OF NEWPORT, RHODE ISLAND
 WATER POLLUTION CONTROL SYSTEM DBO
 PLANT UPGRADES
 J.T. CONNELL HWY. AP 3 LOT 1 & AP 4 LOTS 3 & 80
YARD PIPING PLAN II - ENLARGED PLAN
AT HEADWORKS/GRIT BUILDING
 RIDEM PERMIT

PROJECT NO: 60506463
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 DESIGNED BY: K. SMITH
 DRAWN BY: C. BENZIGER
 DEPT CHECK: C. BENZIGER
 PROJ CHECK: J. FINNEGAN
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 SCALE: AS NOTED

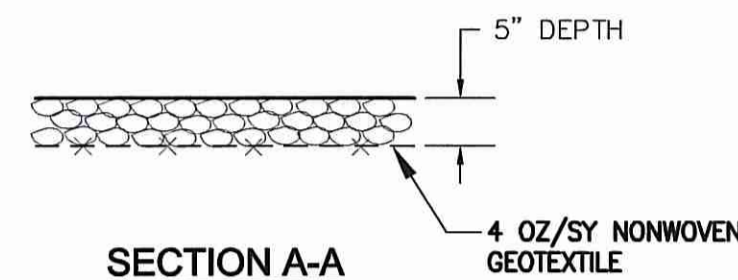
00 C-107P

SHEET 9 OF 11

CRUSHED STONE IN ACCORDANCE WITH RIDOT M.01.09, Column II



PLAN VIEW



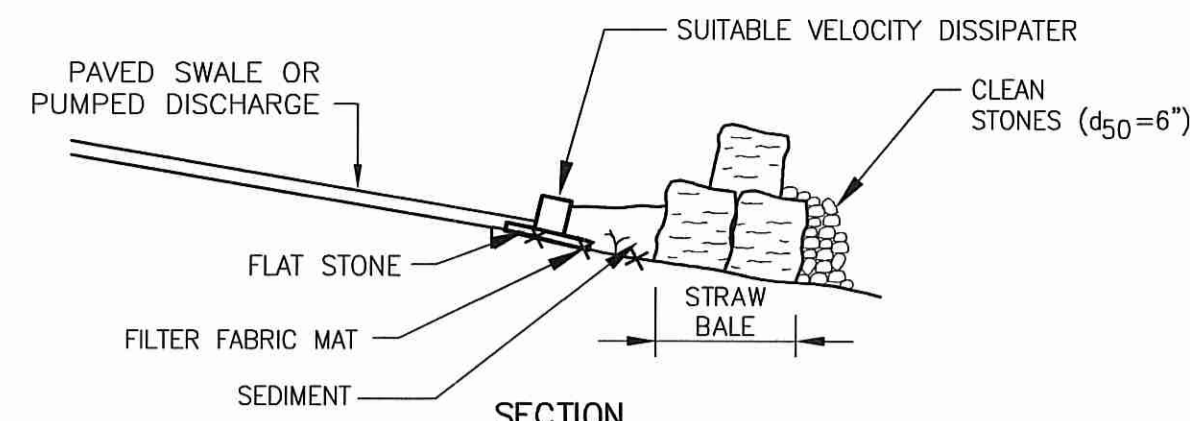
SECTION A-A

**CRUSHED STONE
AT CONTRACTOR STAGING AND ENTRANCE AREA**

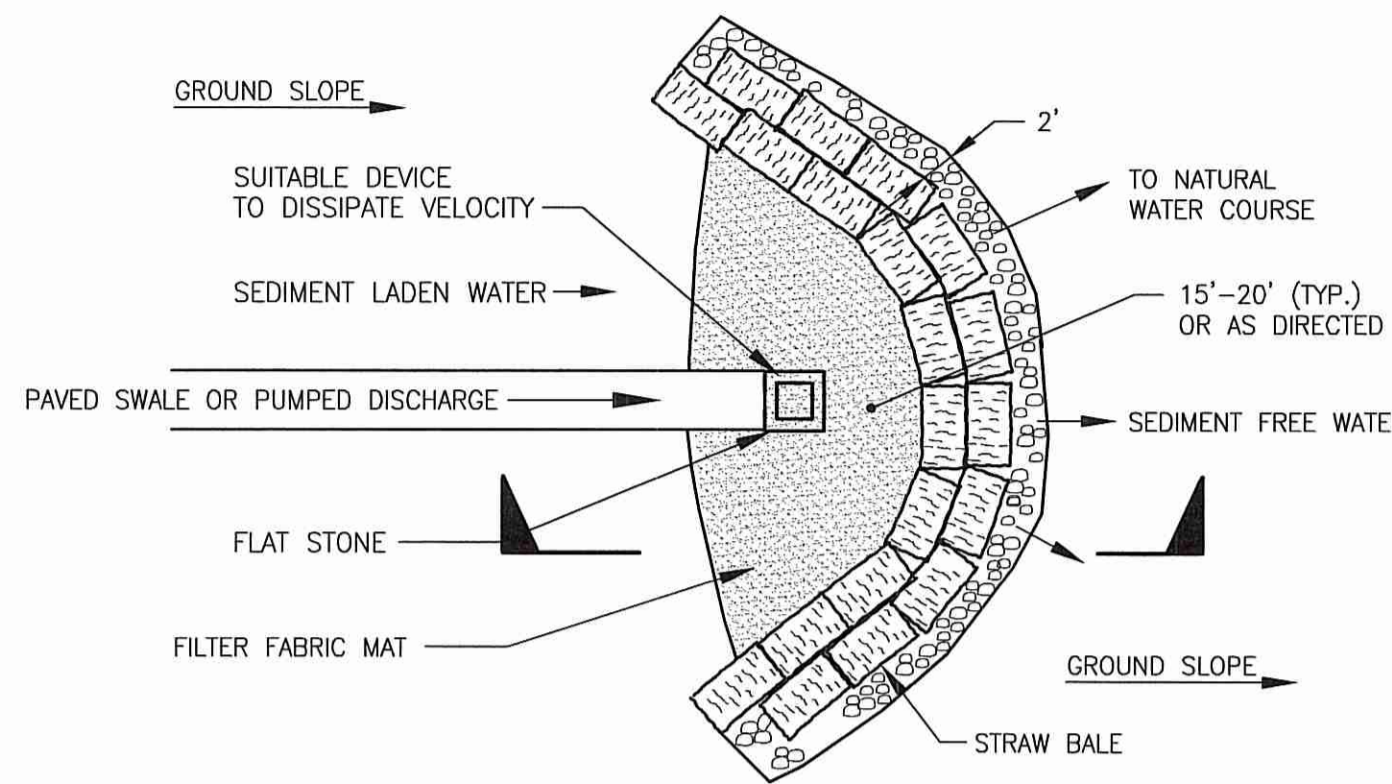
NOT TO SCALE

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Martin D. Wencsek



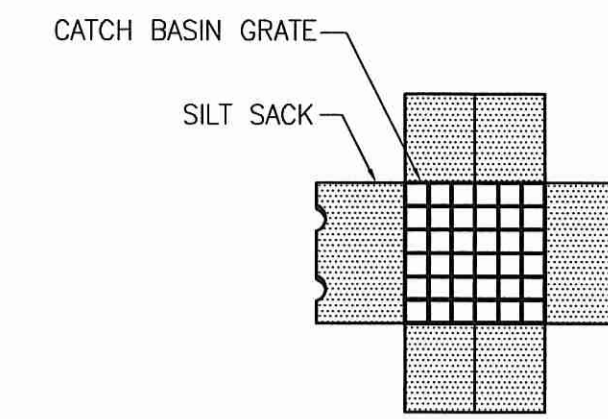
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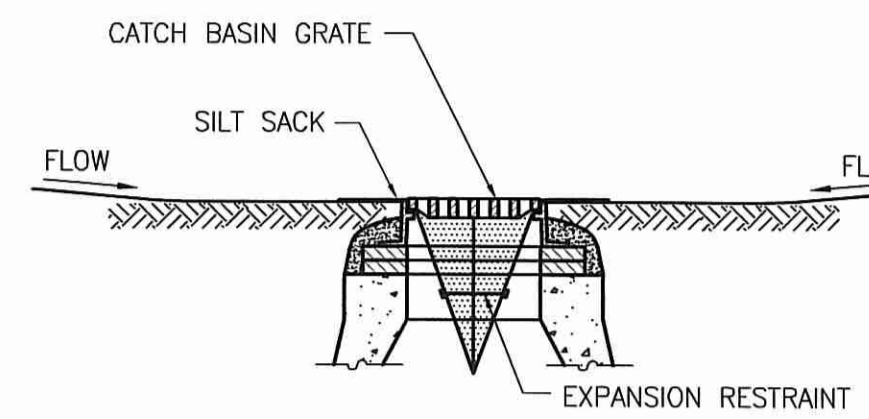
PLAN

SEDIMENT TRAP

NTS



PLAN VIEW



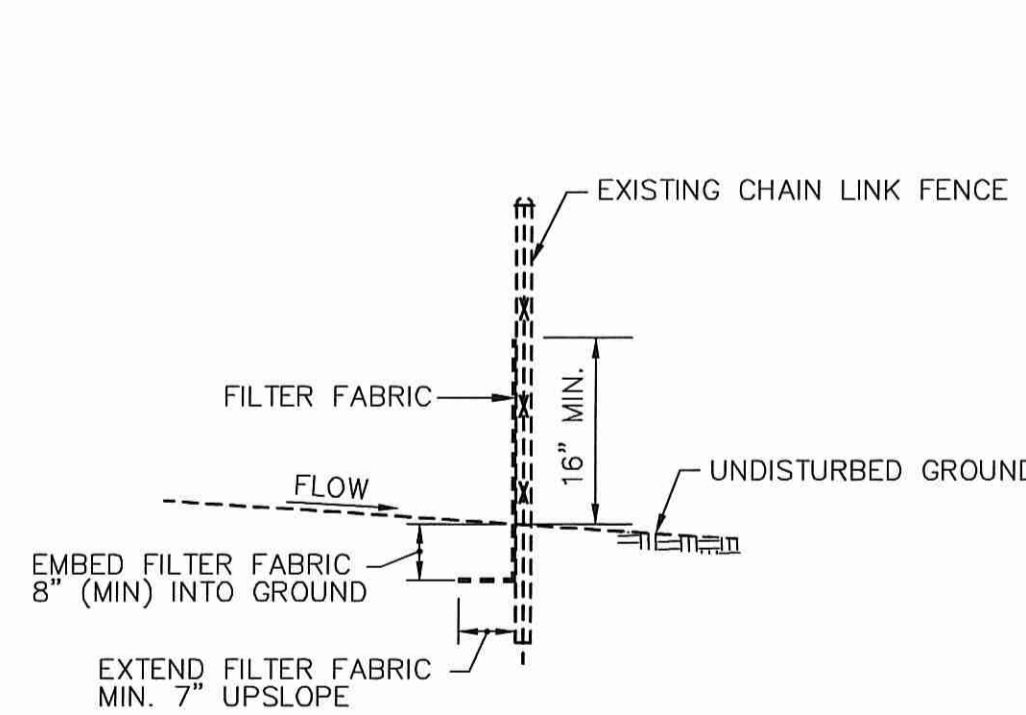
SECTION VIEW

NOTES:

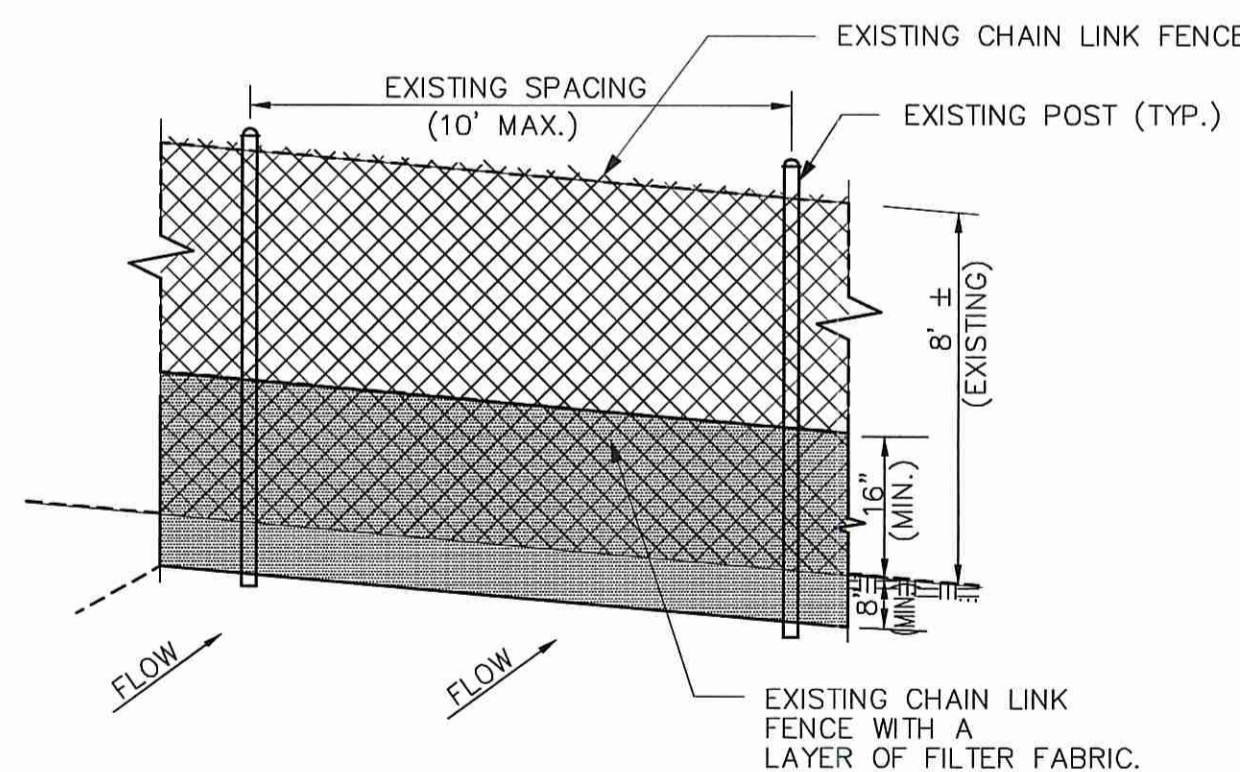
1. INSTALL SILT SACK IN ALL CATCH BASINS BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND STRAW BALES HAVE BEEN REMOVED. GRATE TO BE PLACED OVER SILT SACK.
2. SILT SACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORMS.
3. EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.

SILT SACK SEDIMENT TRAP

NTS



SECTION



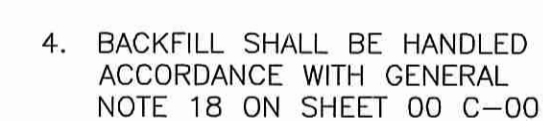
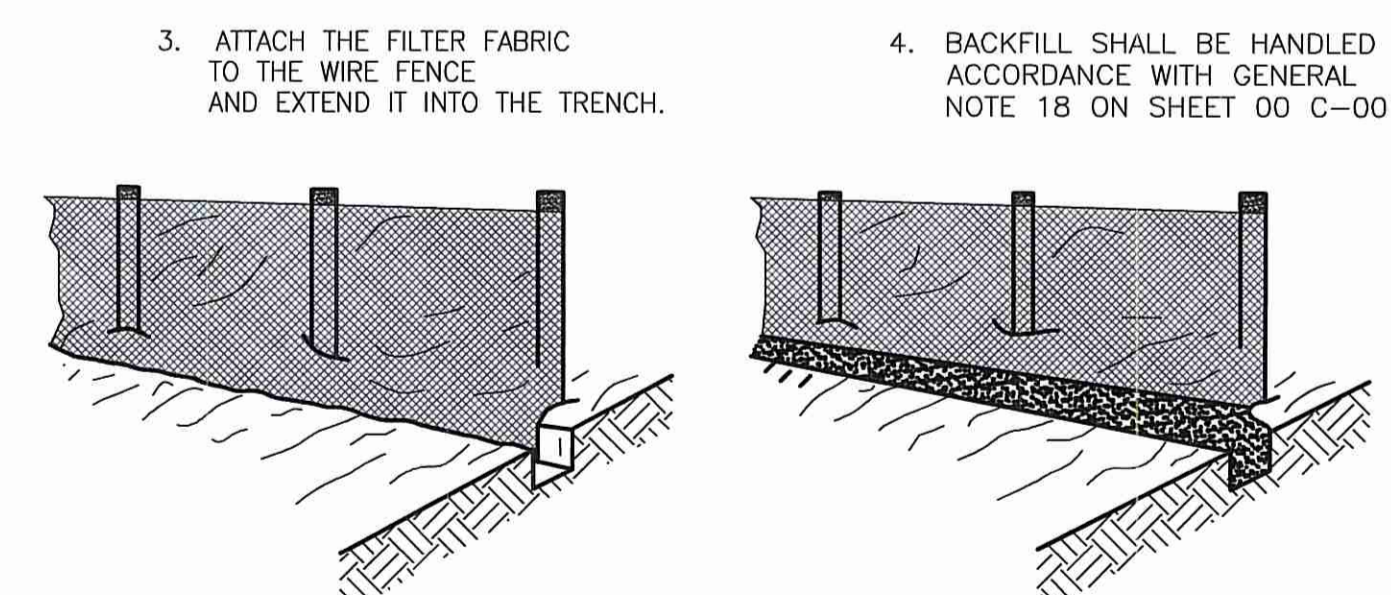
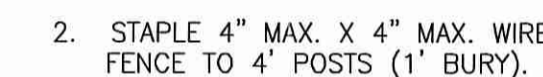
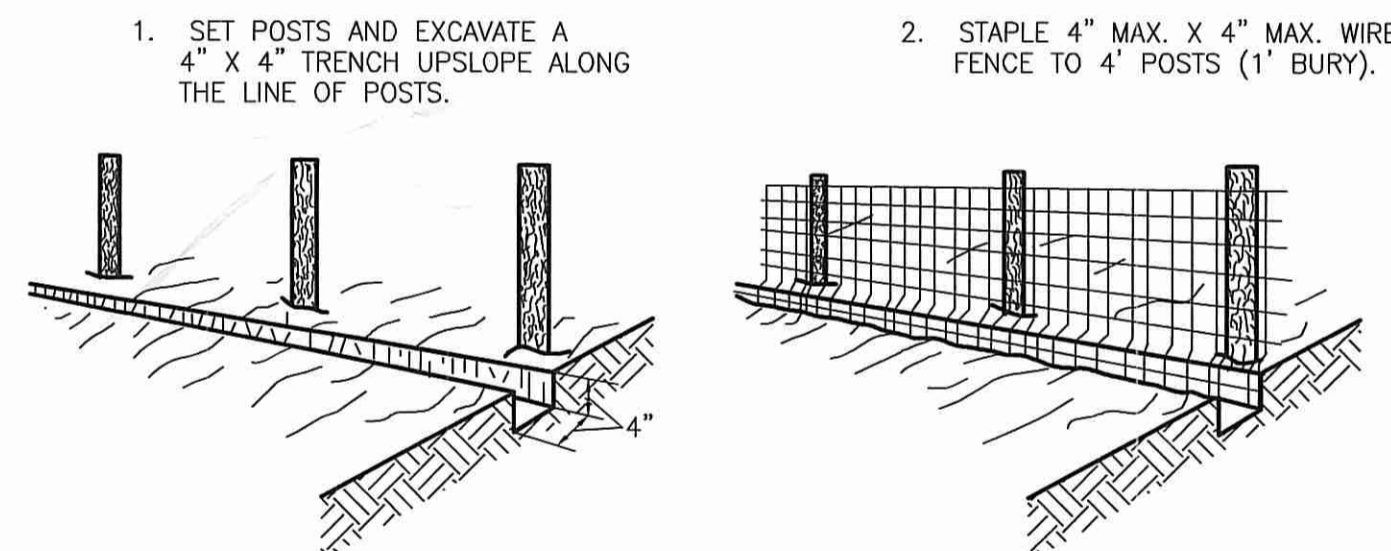
PERSPECTIVE VIEW

CONSTRUCTION NOTES FOR SILT FENCE

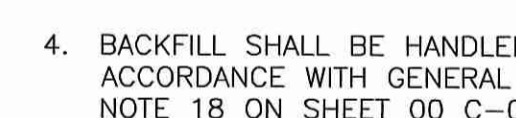
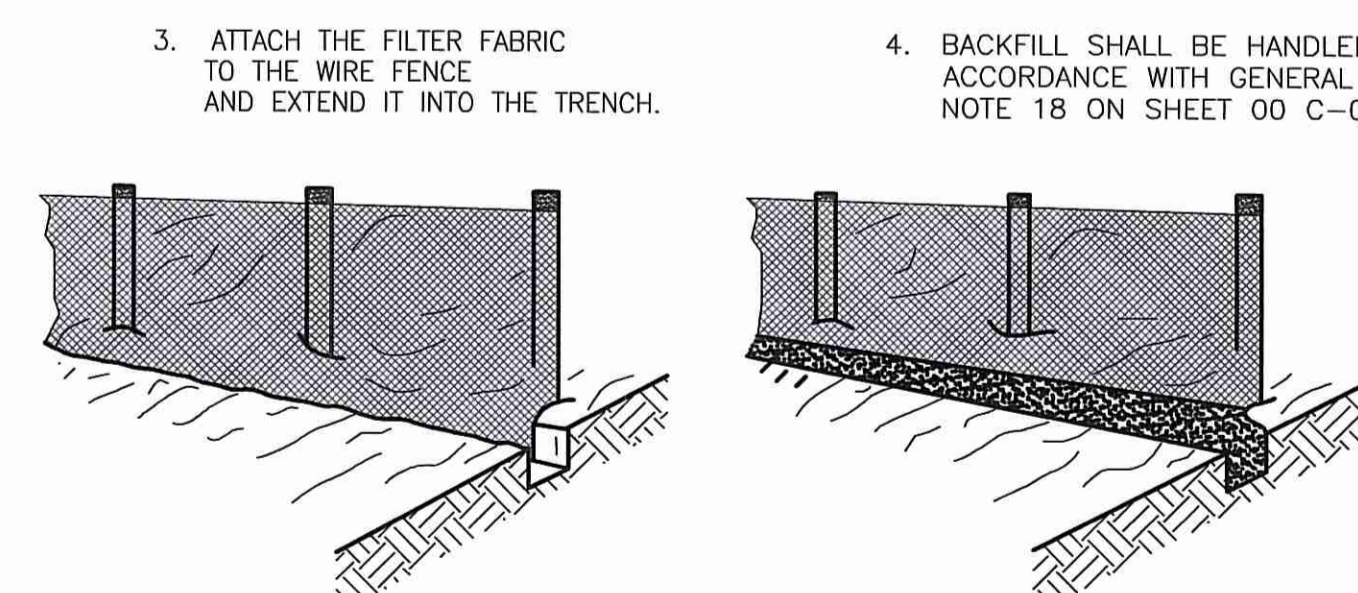
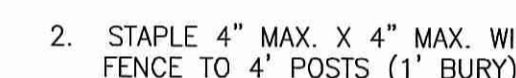
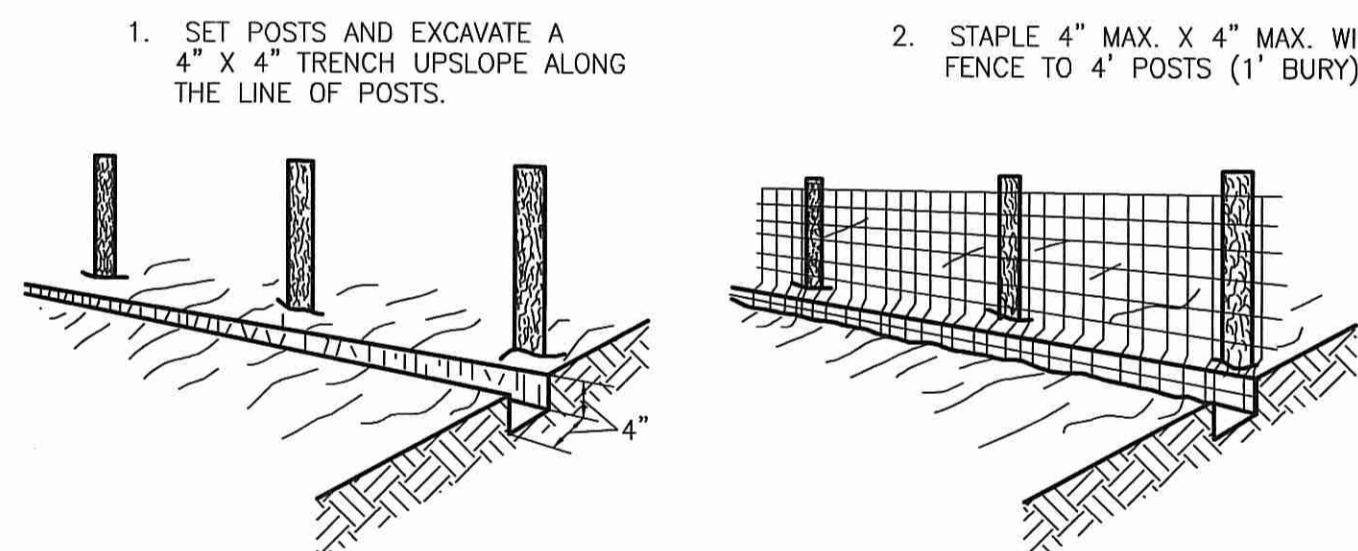
1. FILTER FABRIC SHALL BE FASTENED SECURELY TO EXISTING CHAIN LINK FENCE WITH TIES SPACED EVERY 24" AT THE TOP AND MID. SECTION.
2. FILTER FABRIC SHALL BE EMBEDDED 8" INTO THE GROUND.
3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 12" AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SILT BUILDUP REMOVED WHEN SILT REACHES 50% OF FENCE HEIGHT.
5. IN ADDITION TO SILT FENCE, USE STRAW BALES OR SILT SOCKS, AS DIRECTED ON THE DRAWINGS.

SILT FENCE AT CHAIN LINK FENCE DETAIL

NOT TO SCALE

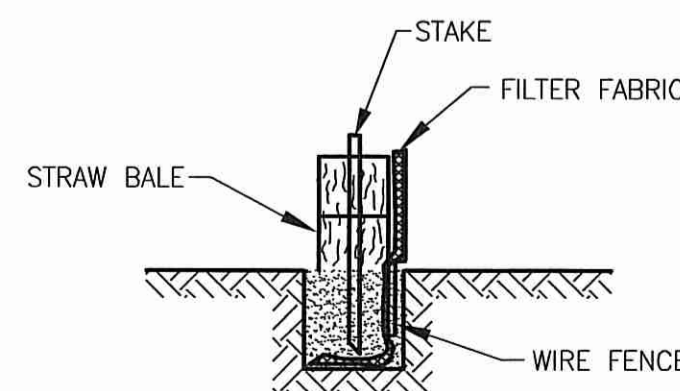


EXTENSION OF FABRIC AND WIRE FENCE INTO THE TRENCH



EXTENSION OF FABRIC AND WIRE FENCE INTO THE TRENCH

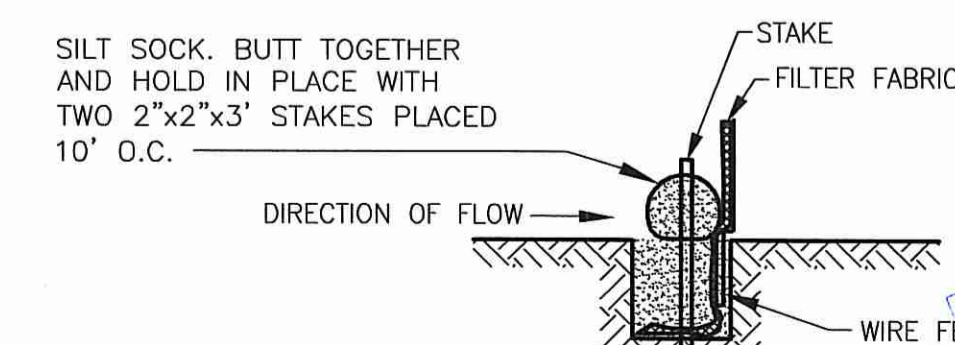
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SECTION

SILT FENCE WITH STRAW BALES

NTS



SECTION

SILT FENCE WITH SILT SOCK

NTS

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PLANT UPGRADES
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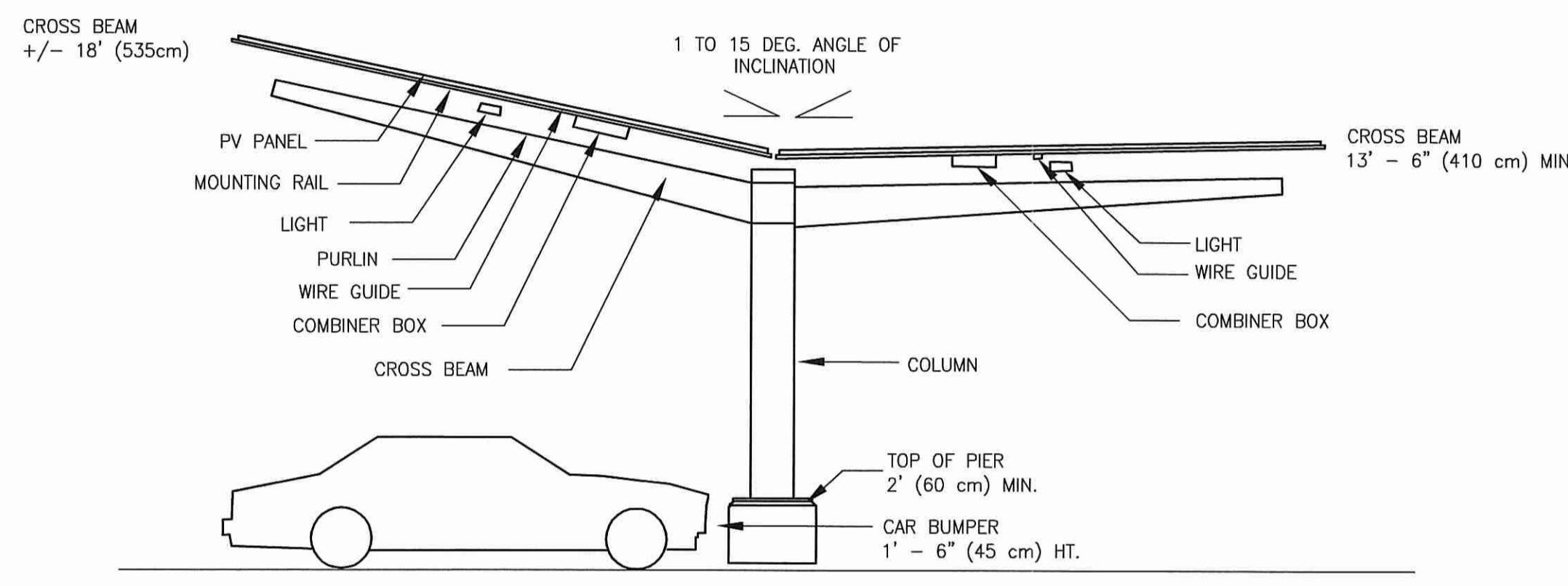
DETAILS I

RIDEM PERMIT

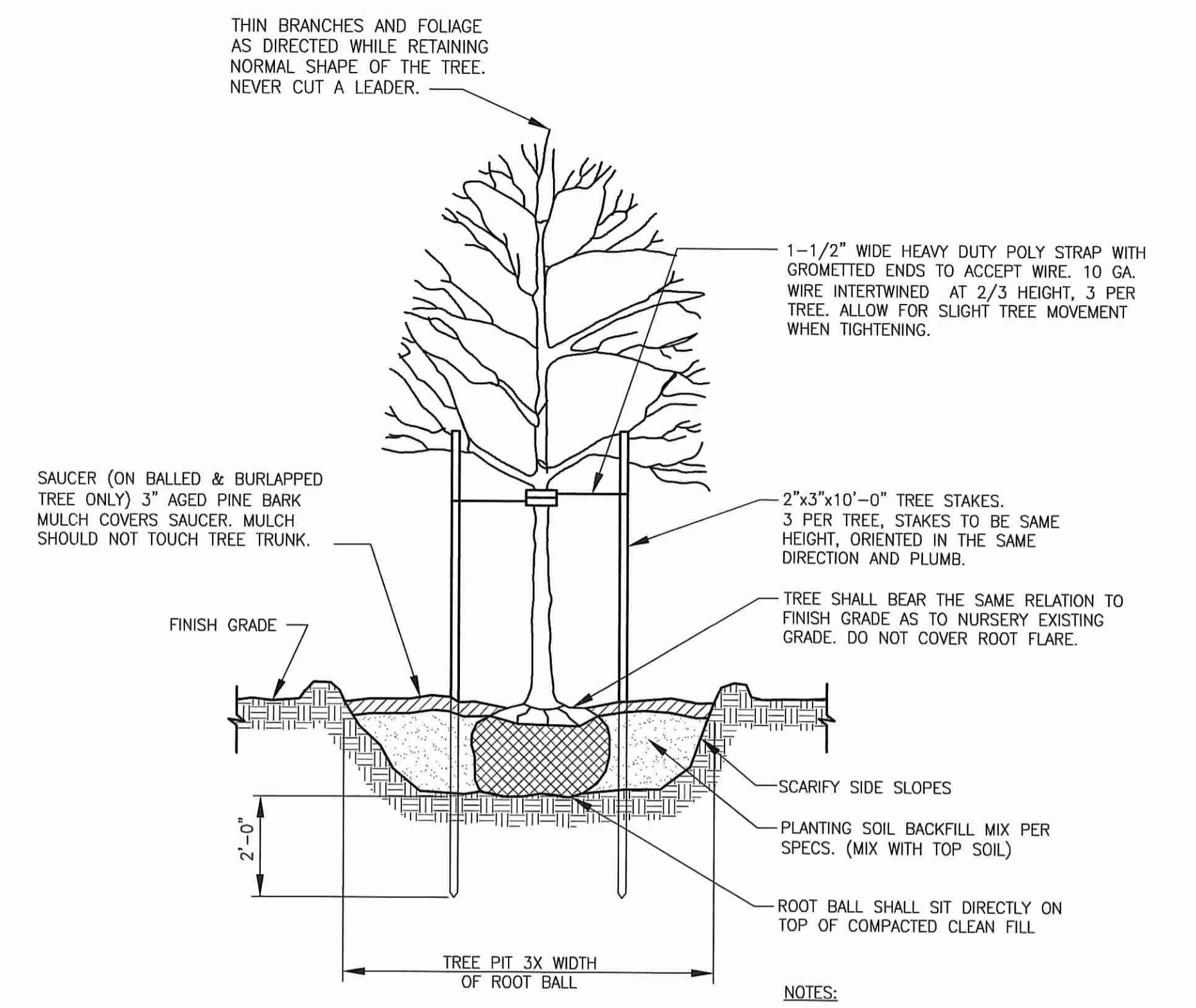
PROJECT NO: 60506463
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DESIGNED BY: K. SMITH
DRAWN BY: C. BENZIGER
DEPT CHECK: C. BENZIGER
PROJ CHECK: J. FINNEGAN
DATE: MARCH 2017
SCALE: AS NOTED

99 C-501P

SHEET 10 OF 11



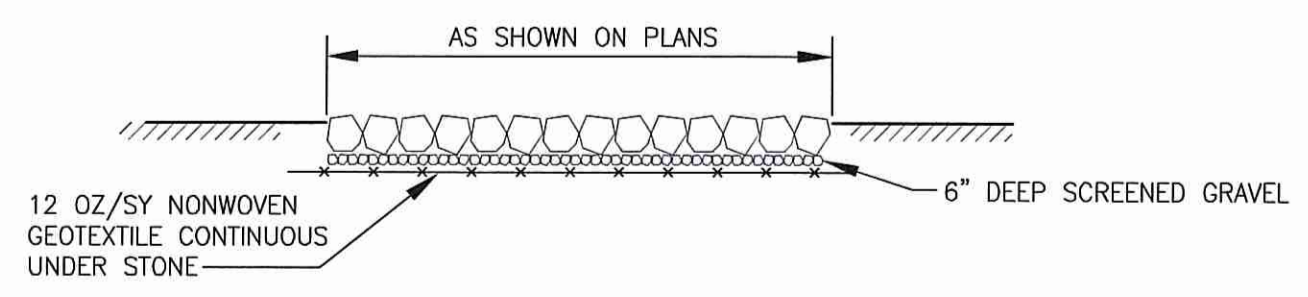
SOLAR CARPORT SECTION
NTS



- NOTES:**
1. TREE SHALL BEAR SAME RELATIONSHIP TO FINISH GRADE AS IN THE NURSERY.
 2. TREE SHALL BE STRAIGHT AND PLUMB.
 3. TREE WRAP SHALL NOT BE USED.
 4. SEE GENERAL NOTE 18 ON SHEET 00 C-001.

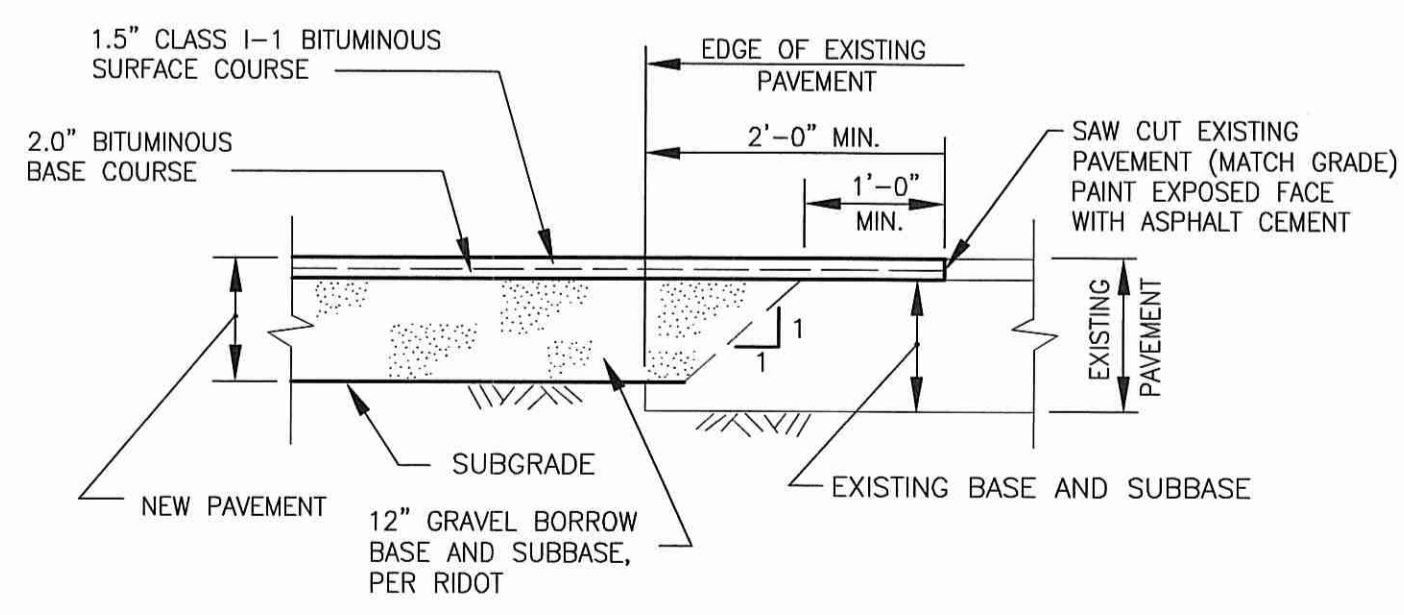
DECIDUOUS TREE PLANTING DETAIL
NOT TO SCALE

QTY	BOTANICAL NAME	COMMON NAME	HT./SPRD.	INSTALL SIZE	SPACING
3	ACER RUBRUM	RED MAPLE	40'/30'	2-2.5" CALIPER	25'

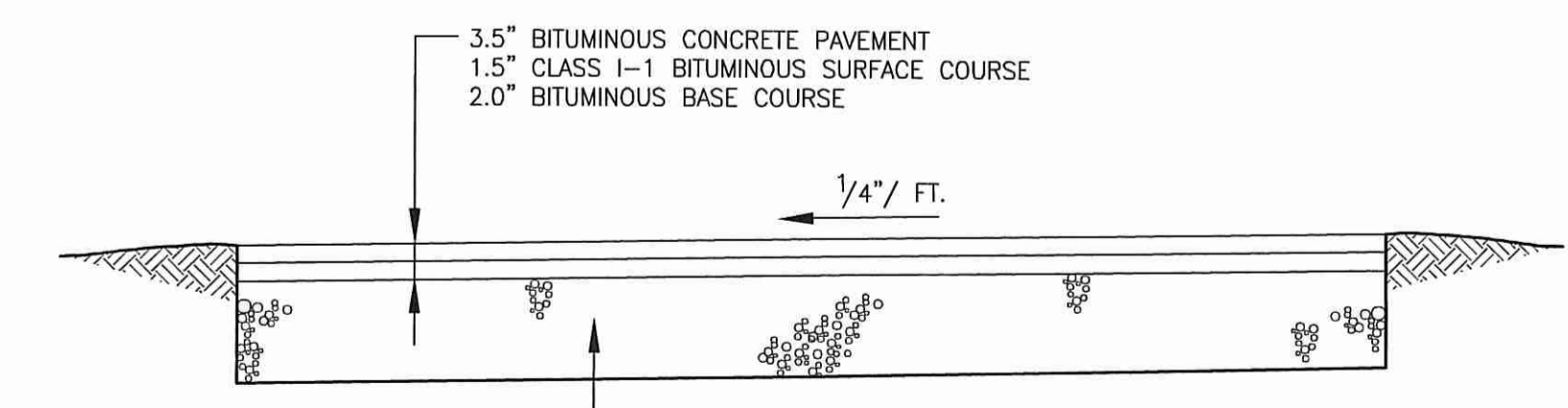


- NOTES:**
1. FACING STONE SIZE AND GRADATION IN ACCORDANCE WITH RIDOT STANDARD M.10.03.2, STONE FOR RIPRAP.

TYPICAL RIPRAP SECTION
NTS



TYPICAL FORMAT OF PAVEMENT MATCHING DETAIL
NTS



NEW PAVEMENT SECTION
NTS

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 16 2017 FILE # 17-0086
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

John Finnegan

REVISIONS	DESCRIPTION	DATE	MADE BY	CHECKED

NEWPORT WATER SERVICES, LLC
SUEZ • AECOM

JOHN FINNEGAN
11790
REGISTERED PROFESSIONAL ENGINEER
No. 11790

CITY OF NEWPORT, RHODE ISLAND
WATER POLLUTION CONTROL SYSTEM DBO
PLANT UPGRADES
J.T. CONNELL HWY. AP 3 LOT 1 & AP 4 LOTS 3 & 80
DETAILS II
RIDEM PERMIT

PROJECT NO:	60506463
CAD DWG FILE:	99 C-502P
DESIGNED BY:	K. SMITH
DRAWN BY:	C. BENZIGER
DEPT CHECK:	C. BENZIGER
PROJ CHECK:	J. FINNEGAN
DATE:	MARCH 2017
SCALE:	AS NOTED

PATH/FILENAME: P:\60506463 - NEWPORT, RI WPCS DBO\DWG\SHEETS\C-99 C-502P.DWG
LAST UPDATE: Thursday, March 16, 2017 1:55:45 PM
PLOT DATE: Tuesday, March 21, 2017 7:00:45 AM

ANSI D - 18-MAR-17

APR 7 2017