

VICINITY MAP
SCALE IN FEET
0 300 600

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED SEP 24 2021 FILE # 21-0175
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Robert L. Freeman

- EXISTING SUBJECT SITE PROPERTY LINE
- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- CONCRETE BOUND WITH DRILL HOLE
- EXISTING RIGHT-OF-WAY
- 300--- EXISTING INDEX (MAJOR) CONTOUR
- 228--- EXISTING INTERMEDIATE (MINOR) CONTOUR
- EXISTING CHAIN LINK FENCE LINE
- EXISTING BRUSH LINE
- EXISTING WETLAND
- EXISTING WETLAND BUFFER ZONE
- EXISTING PAVED ROADWAY
- EXISTING UNPAVED ROADWAY
- EXISTING STRUCTURE
- EXISTING STORM PIPE
- W --- EXISTING WATER LINE
- SAN --- EXISTING SANITARY SEWER LINE
- G --- EXISTING GAS LINE
- OH-E --- EXISTING OVERHEAD WIRE
- E --- EXISTING ELECTRIC LINE
- UG-E --- EXISTING UNDERGROUND ELECTRIC LINE
- FO --- EXISTING FIBER OPTIC LINE
- ◆ LOCATION OF BORING
- ◆ LOCATION OF TEST PIT
- ▲ WETLAND FLAG
- EXISTING CURB INLET CATCH BASIN
- EXISTING SEWER MANHOLE
- EXISTING DRAINAGE MANHOLE
- EXISTING PRECAST CONCRETE CURB

NOTES:

1. NORTH BASED ON NSR 2011, AS LOCATED BY CIVIL & ENVIRONMENTAL CONSULTANTS (CEC) IN THE FIELD ON 04/06/2021.
2. VERTICAL BASED ON NAVD 88, AS LOCATED BY CEC IN THE FIELD IN APRIL 2021.
3. UTILITIES SHOWN HEREON ARE A COMBINATION OF SURFACE LOCATION AND SITE PERMITTING. CONTRACTOR SHOULD VERIFY ALL UTILITIES PRIOR TO EXCAVATING.
4. WETLAND FLAGS DELINEATED IN THE FIELD BY LUCAS ENVIRONMENTAL, LLC ON MARCH 25, 2021. WETLAND FLAGS LOCATED BY CEC.
5. TOPOGRAPHIC SURVEY LIMITED TO ±3 ACRE PORTION OF SUBJECT PROPERTY.
6. GEOTECHNICAL BORINGS AND TEST PITS PERFORMED BY CEC ON MARCH 25, 2021. LOCATIONS ARE APPROXIMATE.
7. TOPOGRAPHIC AND BOUNDARY SURVEY WAS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC., ON APRIL 6, 2021 AND IS DEPICTED ON THIS EXISTING CONDITIONS PLAN.

RI Environmental Management
SEP 3 2021
Office of Water Resources

REFERENCE:

1. NOTICE OF DECISION LOCATED AT THE TOWN OF JOHNSTON REGISTRY OF DEEDS BOOK: 2352, PAGE: 15, RECORDED ON FEBRUARY 28, 2014.
2. SUPERIOR COURT CONSENT ORDER BETWEEN RIRRC AND THE TOWN OF JOHNSTON, DATED JUNE 29, 2007, RECORDED IN BOOK: 2194, PAGES 167-177.
3. FINAL ADMINISTRATIVE SUBDIVISION PLAN, ASSESSORS PLAT 31 LOT 61, LAKESIDE COMMERCE CENTER, RECYCLE ROAD & GREEN EARTH AVENUE, JOHNSTON, RHODE ISLAND, PREPARED FOR RHODE ISLAND RESOURCE RECOVERY CORPORATION, NOVEMBER 2013, STAMPED/SIGNED BY ROBERT L. MASON PLS NO 2001.
4. FINAL ADMINISTRATIVE SUBDIVISION, RECYCLE ROAD, CENTRAL LANDFILL, JOHNSTON RHODE ISLAND, PREPARED FOR RHODE ISLAND RESOURCE RECOVERY CORPORATION, NOVEMBER 2013, SIGNED AND STAMPED BY PHILLIP N. JAGODA, REGISTERED PROFESSIONAL ENGINEER NO. 9923.

CAMBRIDGE COMPANIES
DESIGN/BUILD
COMMERCIAL/INDUSTRIAL

500 E. RIDGE ROAD
GRIFFITH, IN 46319
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C&E
Civil & Environmental Consultants, Inc.

31 Bellows Road, Raynham, MA 02767
Ph: 774.501.2176 · 866.312.2024
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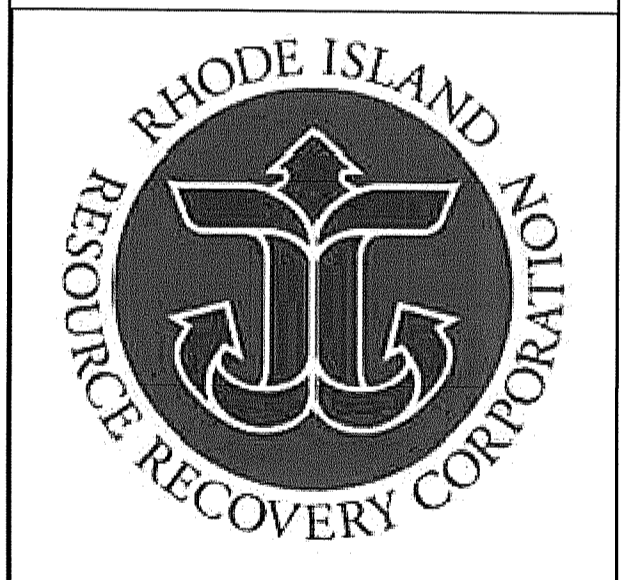
STAMP

KARLS PAULS SKULTE
No. 13625
REGISTERED PROFESSIONAL ENGINEER
CIVIL 8/31/21

PROJECT INFORMATION

RIRRC ADMINISTRATION BUILDING
34 SHUN PIKE
JOHNSTON, RI 02919

OWNER
RHODE ISLAND RESOURCE RECOVERY CORPORATION



PERMITTING SET
6-2-2021

MARK	DATE	DESCRIPTION
▲	8/31/21	RIDEM RESPONSE TO COMMENTS

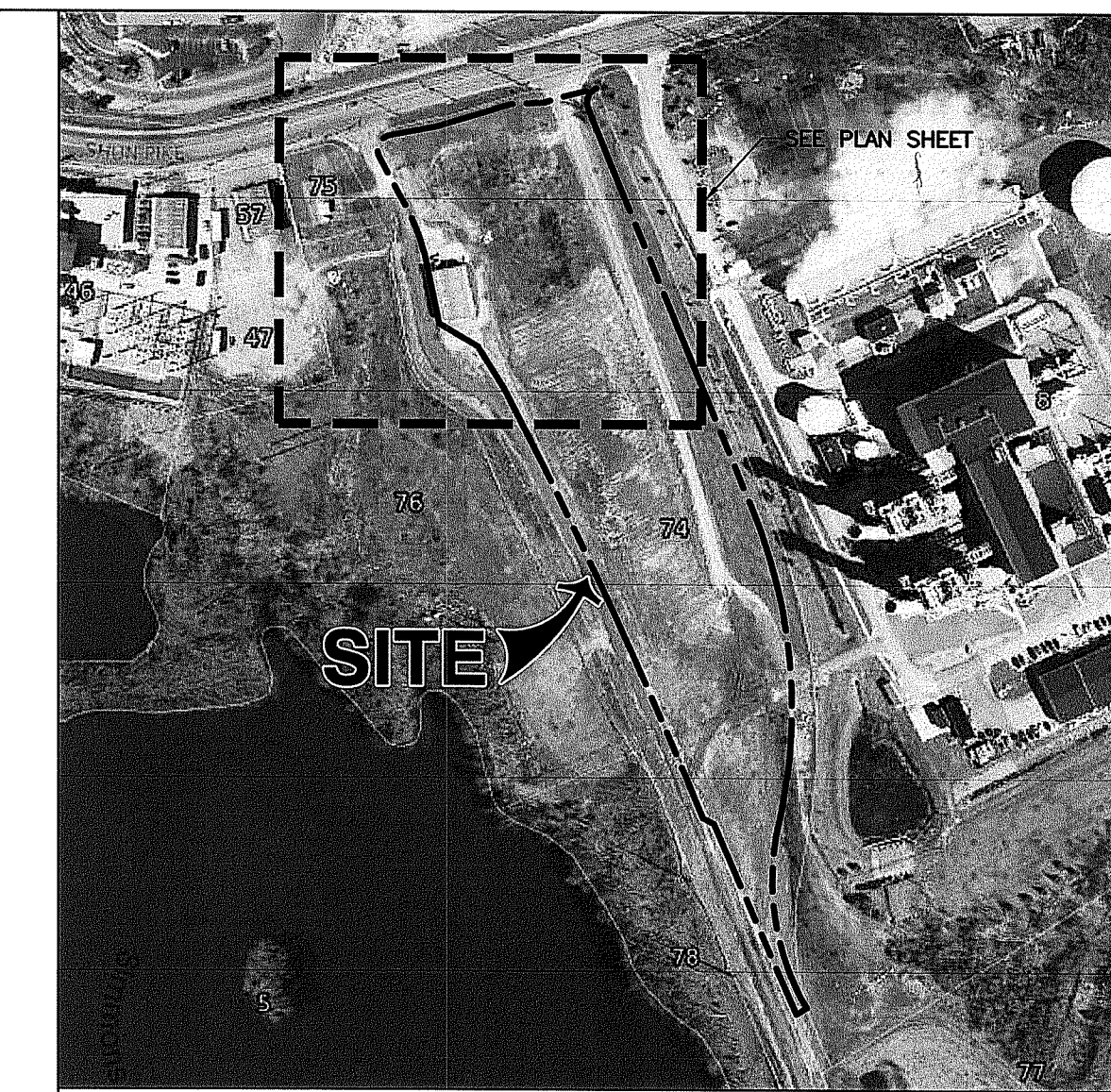
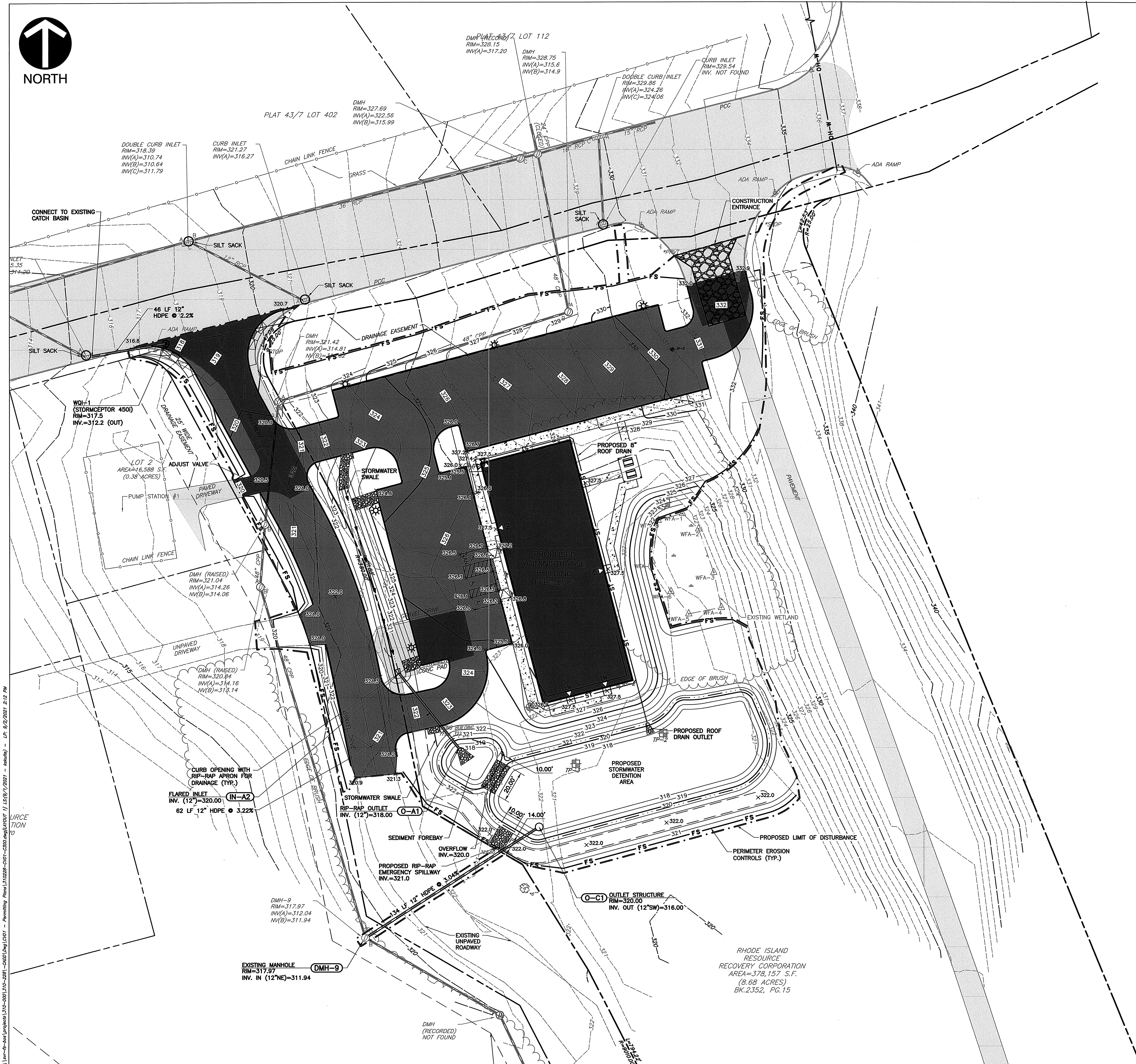
PROJECT NO: DR2101 - RIRRC ADMIN BUILDING
CEC PROJECT #: 310-228

DRAWN BY: CJJ
CHECKED BY: AJK
APPROVED BY: KPS
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SHEET TITLE
EXISTING CONDITIONS PLAN

C-101

I:\Projects\2021\0828-0171-0101.dwg(1/2/2021) - LP: 8/17/2021 10:28 AM



VICINITY MAP
SCALE IN FEET
0 300 600

- LEGEND**
- EXISTING SUBJECT SITE PROPERTY LINE
 - - - EXISTING PROPERTY LINE
 - - - EXISTING EASEMENT
 - CONCRETE BOUND WITH DRILL HOLE
 - - - EXISTING RIGHT-OF-WAY
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 - - - EXISTING WETLAND
 - - - EXISTING WETLAND BUFFER ZONE
 - - - EXISTING PAVED ROADWAY
 - - - EXISTING UNPAVED ROADWAY
 - - - PROPOSED STORM PIPE
 - ⊕ LOCATION OF BORING
 - ⊕ LOCATION OF TEST PIT
 - ▨ PROPOSED RIP RAP
 - FS PROPOSED PERIMETER EROSION CONTROL
 - - - PROPOSED LIMIT OF DISTURBANCE
 - PROPOSED CATCH BASIN INLET PROTECTION

- NOTES**
- REFER TO SHEET C101 FOR ADDITIONAL NOTES.

- REFERENCE**
- VICINITY MAP AERIAL PHOTOGRAPHY BY EARTHSTAR GEOGRAPHICS SIO, PROVIDED BY AUTODESK, ACCESSED 4/22/2021, DATED c2020.
 - EXISTING CONDITIONS AS DEPICTED ON THIS PLAN ARE BASED ON AN ON-THE-GROUND TOPOGRAPHIC AND BOUNDARY SURVEY PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC., ON APRIL 6, 2021.
 - WETLANDS DELINEATED IN THE FIELD BY LUCAS ENVIRONMENTAL, LLC ON MARCH 25, 2021 AND FIELD LOCATED BY CEC AS PART OF TOPOGRAPHIC SURVEY. FIELD DELINEATED WETLANDS ARE DEPICTED WITH WETLAND FLAGS FOR WETLANDS SERIES "A", "B", "C", "BF-1". ADDITIONAL WETLANDS BEYOND LIMITS OF FIELD DELINEATION ARE SHOWN BASED ON GIS DATA FOR REFERENCE.
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Anna F. Freeman

CAMBRIDGE COMPANIES
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500 E. RIDGE ROAD OFFICE: 219-972-1155
GRIFFITH, IN 46319 FAX: 219-972-6314

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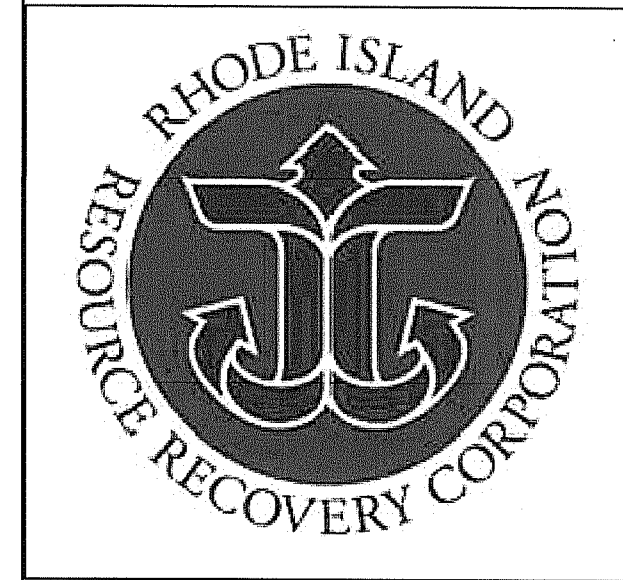
STAMP

KARLIS PAULS SKULTE
No. 13625
REGISTERED PROFESSIONAL ENGINEER
CIVIL

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34 SHUN PIKE
JOHNSTON, RI 02919

OWNER
RHODE ISLAND RESOURCE RECOVERY CORPORATION



PERMITTING SET
6-2-2021

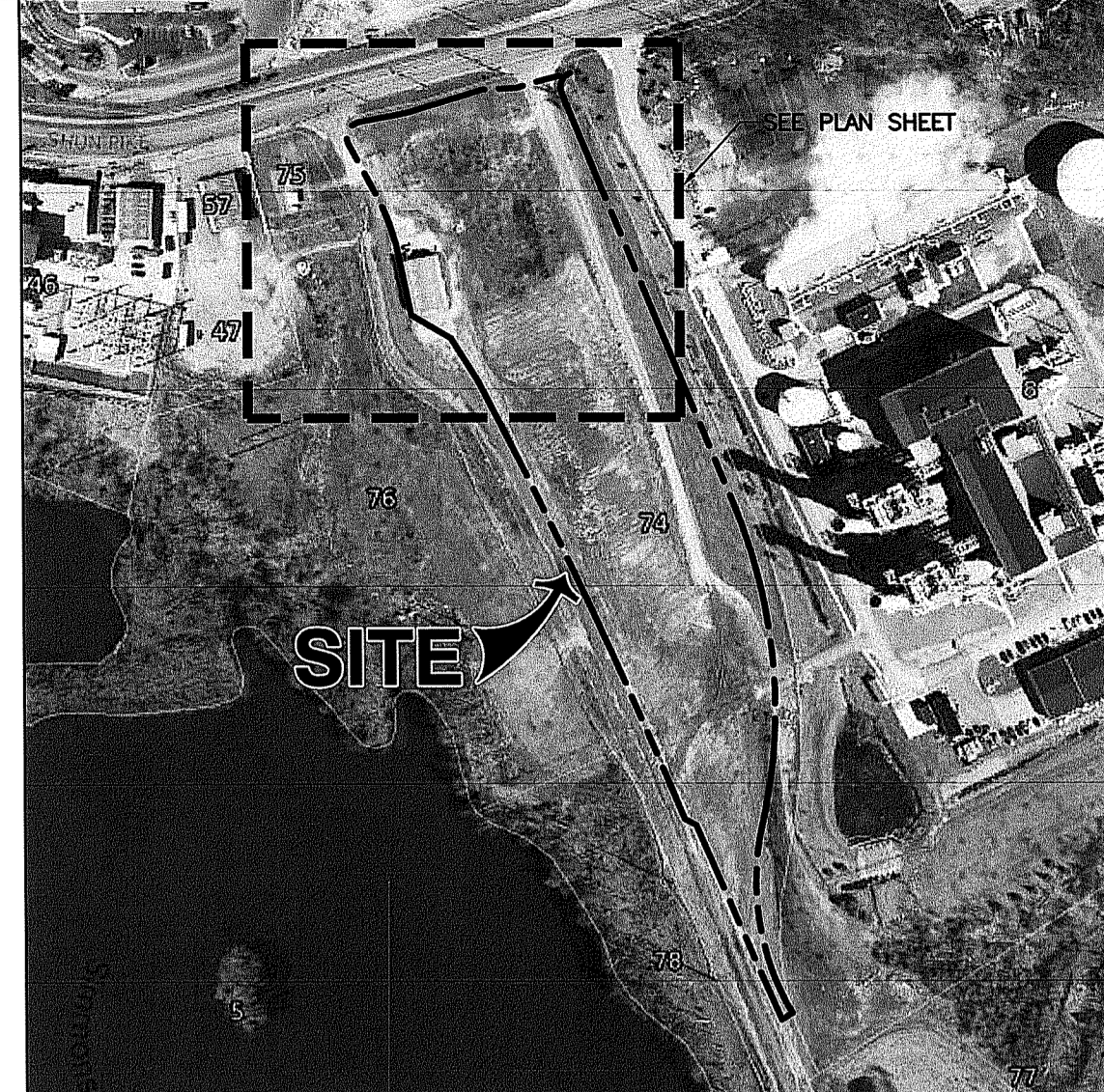
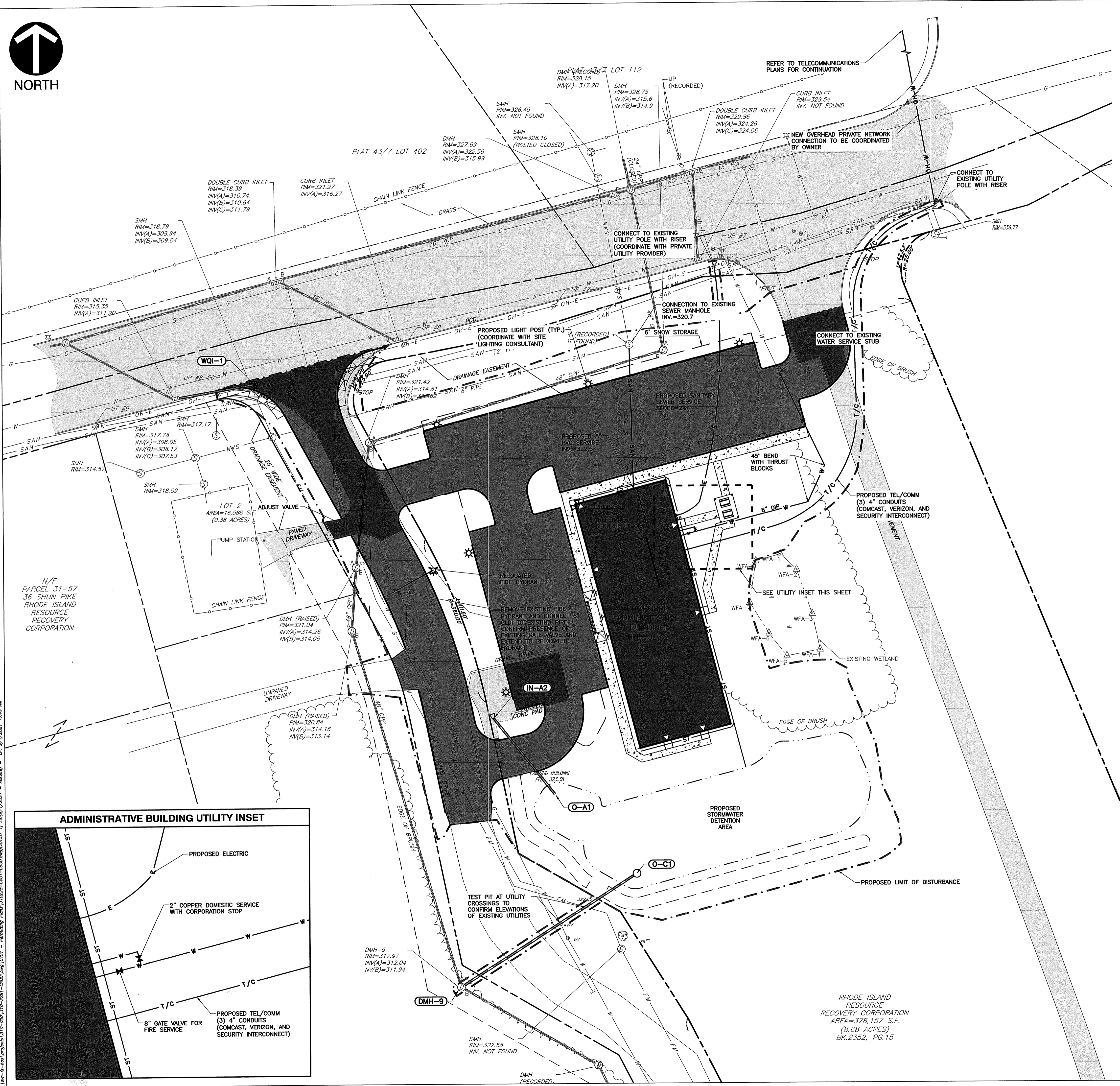
MARK	DATE	DESCRIPTION
△	8/31/21	RIDEM RESPONSE TO COMMENTS
		RI Environmental Management SEP 3 2021 Office of Water Resources

PROJECT NO: DR2101 - RIRRC ADMIN BUILDING
CEC PROJECT #: 310-228

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CHECKED BY: AJK
APPROVED BY: KPS
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SHEET TITLE
GRADING, DRAINAGE AND EROSION CONTROL PLAN

C-300



VICINITY MAP
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LEGEND

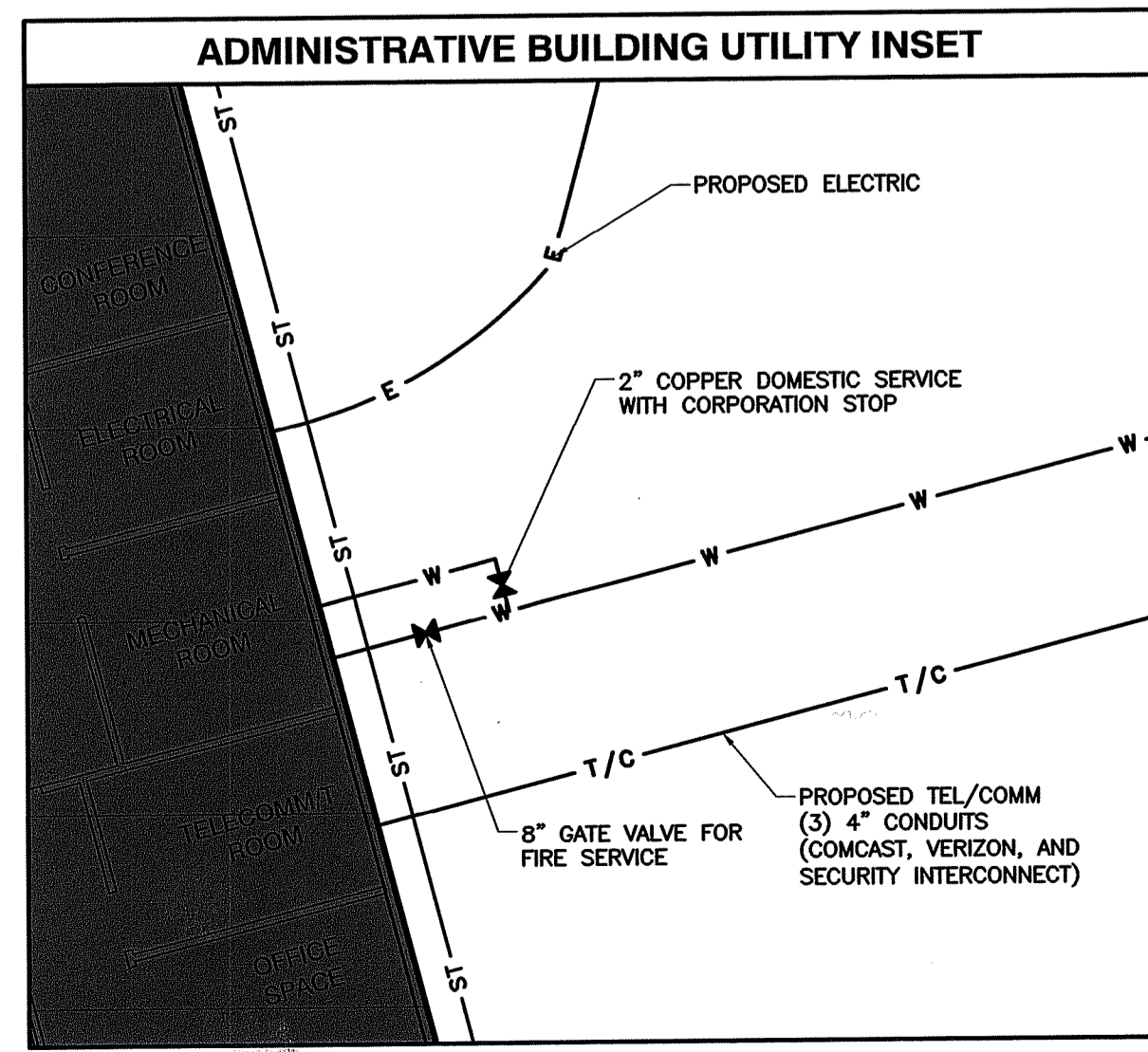
---	EXISTING SUBJECT SITE PROPERTY LINE
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---	EXISTING UNDERGROUND ELECTRIC LINE
---	PROPOSED STORM PIPE
---	PROPOSED WATER LINE
---	PROPOSED SANITARY SEWER LINE
---	PROPOSED GAS LINE
---	PROPOSED OVERHEAD WIRE
---	PROPOSED ELECTRIC LINE
---	PROPOSED TELECOMMUNICATIONS LINE

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Wendy L. Freeman

SCALE IN FEET
0 30 60



MARK	DATE	DESCRIPTION
1	8/31/21	RIDEM RESPONSE TO COMMENTS

RI Environmental Management
SEP 9 2021
Office of Water Resources

PROJECT NO: DR2101 - RIRRC ADMIN BUILDING
CEC PROJECT #: 310-228

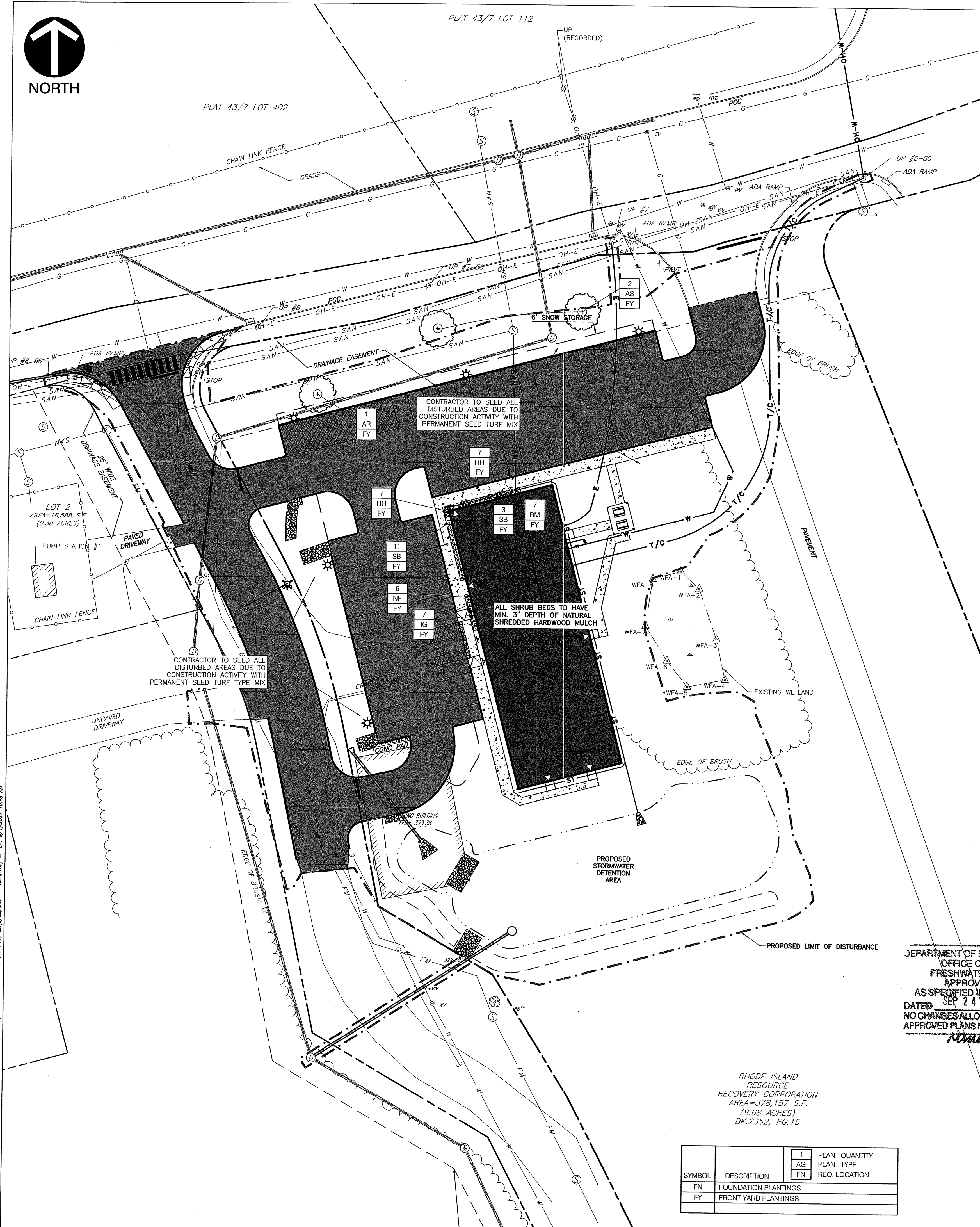
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SHEET TITLE
UTILITIES PLAN

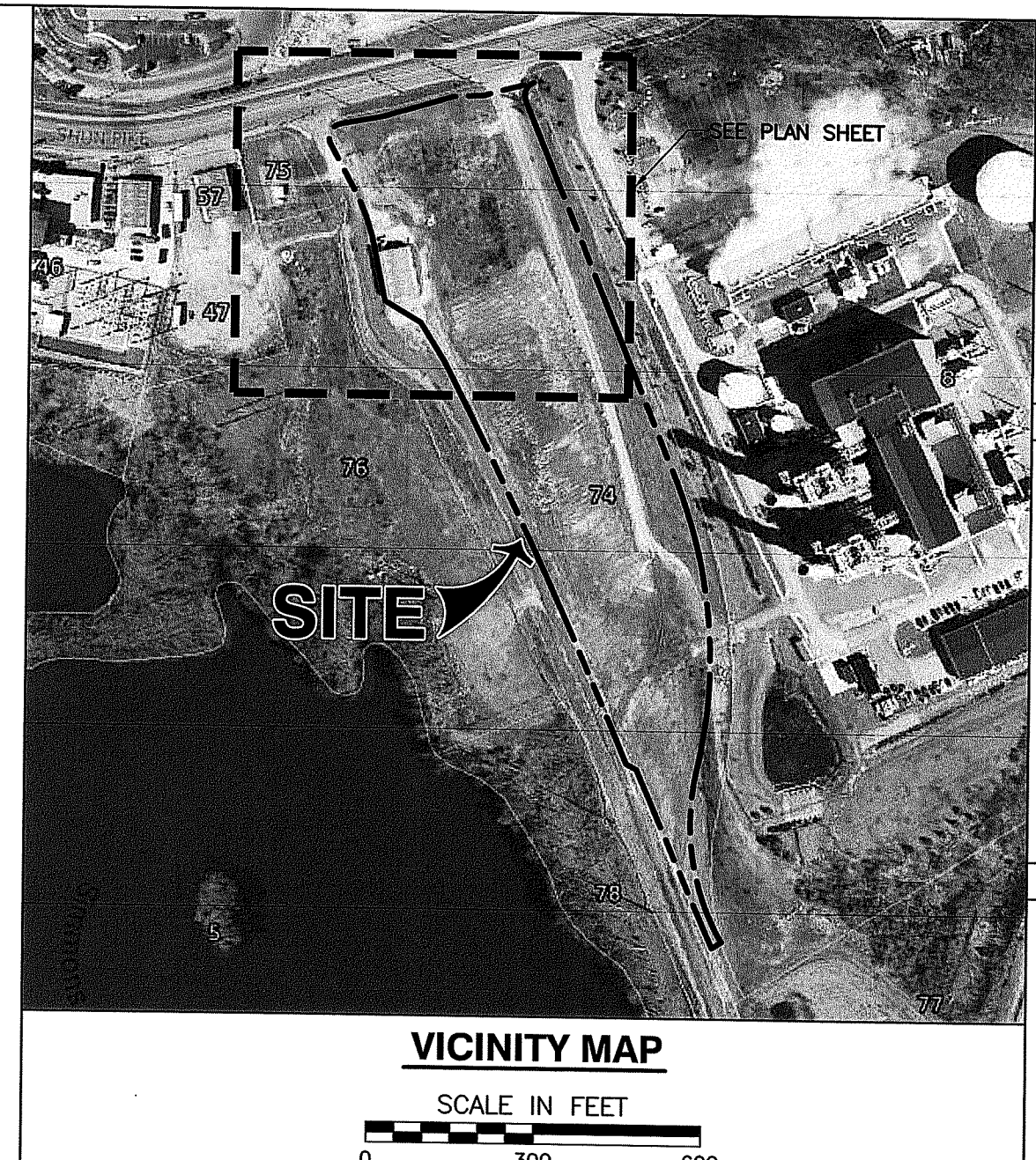


PLAT 43/7 LOT 112

PLAT 43/7 LOT 402



OVERALL PLANTING SCHEDULE							
TREE/ EVERGREENS SCHEDULE							
LEGEND	KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE COND	REMARKS	HEIGHT AT MATURITY / SPREAD AT MATURITY
(Symbol)	AR	1	Acer rubrum 'Red Sunset'	Red Maple	2-1/2" Cal.	Deciduous Tree	50' / 50'
(Symbol)	AS	2	Acer saccharum 'Green Mountain'	Green Mountain Sugar Maple	2-1/2" Cal.	Deciduous Tree	50' / 50'
SHRUBS SCHEDULE							
(Symbol)	BM	7	Buxus 'Green Velvet'	Green Velvet Boxwood	12" HL B & B	Evergreen Shrub	2'-3' / 2'-3'
(Symbol)	IG	7	Ilex crenata 'Soft Touch'	Soft Touch Japanese Holly	12"-15" HL B & B	Evergreen Shrub	2'-3' / 2'-3'
(Symbol)	SB	14	Spiraea x bumalda 'Gold Flame'	Gold Flame Spirea	15"-18" No. 5 Cont.	Deciduous Shrub	2'-3' / 3'-4'
PERENNIALS/ GRASSES SCHEDULE							
(Symbol)	HH	36	Hemerocallis sp. 'Happy Returns'	Happy Returns Daylily	12" Perennial No. 2 Cont. Space 18" O.C.	Perennial	18" / 18"
(Symbol)	NF	15	Nepeta x fossensis 'Walker's Low'	Walker's Low Catmint	12" No. 1 Cont.	Perennial	18" / 18"



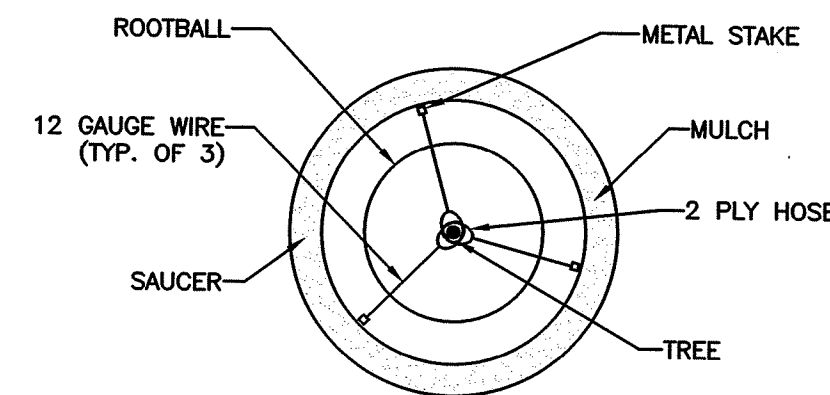
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500 E. RIDGE ROAD GRIFFITH, IN 46319 OFFICE: 219-972-1155 FAX: 219-972-6314
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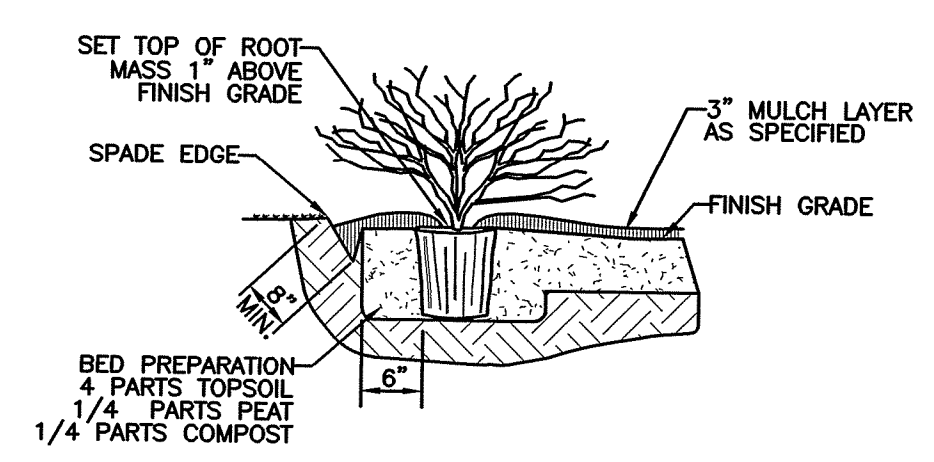
KARLIS PAULS SKULTE
No. 13625
REGISTERED PROFESSIONAL ENGINEER CIVIL
8/17/21

GENERAL LANDSCAPE NOTES:

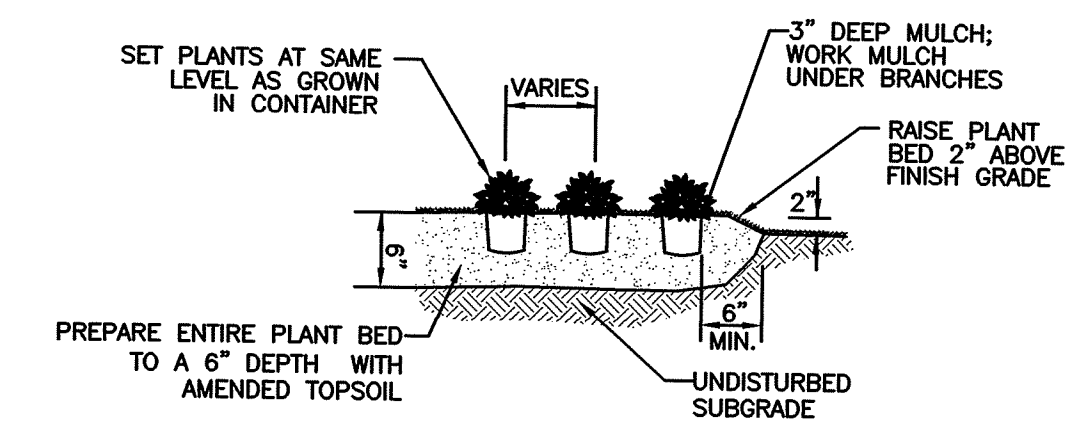
- ALL CONSTRUCTION METHODS AND MATERIALS MUST CONFORM TO CURRENT STANDARDS AND SPECIFICATIONS OF THE FEDERAL, STATE, COUNTY, CITY, OR LOCAL REQUIREMENTS, WHICHEVER HAS JURISDICTION.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS AND ELEVATIONS DURING THE ENTIRE CONSTRUCTION SCHEDULE. IF ANY DISCREPANCIES ARE FOUND IN THESE PLANS FROM ACTUAL FIELD DIMENSIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
- CONTRACTOR SHALL MAINTAIN ONE SET OF AS-BUILT/RECORD DRAWINGS ON THE JOB SITE DURING CONSTRUCTION FOR DISTRIBUTION TO THE OWNER AND/OR OWNER'S REPRESENTATIVE UPON COMPLETION.
- NO CHANGES TO THE SITE LANDSCAPE LAYOUT ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.
- CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUALITY AND QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING AS SHOWN ON DRAWINGS.
- ALL MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE CURRENT "AMERICAN ASSOCIATION OF NURSERY STOCK, ANSI Z601-2004", PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
- NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING HAS BEEN FINISHED AND APPROVED.
- ALL PLANTS SHALL BE PLANTED SO THAT THE ROOT CROWN IS PLANTED AT GRADE LEVEL.
- ALL PLANTS SHALL BE BALLED AND WRAPPED OR CONTAINER GROWN AS SPECIFIED. NO CONTAINER GROWN STOCK WILL BE ACCEPTED IF IT IS ROOT BOUND. ALL ROOT WRAPPING MATERIAL MADE OF SYNTHETICS OR PLASTICS SHALL BE REMOVED AT THE TIME OF PLANTING. TWINE OR ROPE SHALL BE REMOVED FROM AROUND CROWN OF TRUNK TO PREVENT GIRDLING OF TREE OR SHRUB.
- WITH CONTAINER GROWN STOCK, THE CONTAINER SHALL BE REMOVED AND THE CONTAINER BALL SHALL BE CUT THROUGH THE SURFACE IN TWO VERTICAL LOCATIONS.
- THE DAY PRIOR TO PLANTING, THE LOCATIONS OF ALL TREES AND SHRUBS SHALL BE STAKED FOR APPROVAL BY OWNER(S).
- THE LANDSCAPE CONTRACTOR SHALL REFER TO CONTRACT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- THE LANDSCAPE CONTRACTOR SHALL GUARANTEE NEW PLANT MATERIAL THROUGH ONE (1) CALENDAR YEAR FROM THE TIME OF SUBSTANTIAL COMPLETION OF PROJECT.
- IF THERE IS A DISCREPANCY BETWEEN THE PLANS AND THE PLANT SCHEDULE, THE PLANS SHALL TAKE PRECEDENCE.
- CONTRACTOR SHALL REPAIR ANY DAMAGE TO PROPERTY FROM PLANTING OPERATIONS AT NO COST TO OWNER.
- STAKES AND OR GUY WIRES SHALL BE REMOVED AFTER ONE (1) YEAR OF INSTALLATION.
- ALL EXISTING LANDSCAPING SHALL BE MAINTAINED DURING CONSTRUCTION. ANY MATERIAL DEEMED DEAD OR UNSATISFACTORY BY LANDSCAPE ARCHITECT, WILL BE REPLACED EQUIVALENT IN SIZE AND SHAPE AT NO COST TO OWNER.
- IF PLANT SPECIES SPECIFIED ARE FOUND TO BE UNAVAILABLE OR NOT IN SUFFICIENT QUANTITIES AT TIME OF PLANTING, THE CONTRACTOR MAY SUBSTITUTE SPECIES UPON WRITTEN APPROVAL BY LANDSCAPE ARCHITECT.



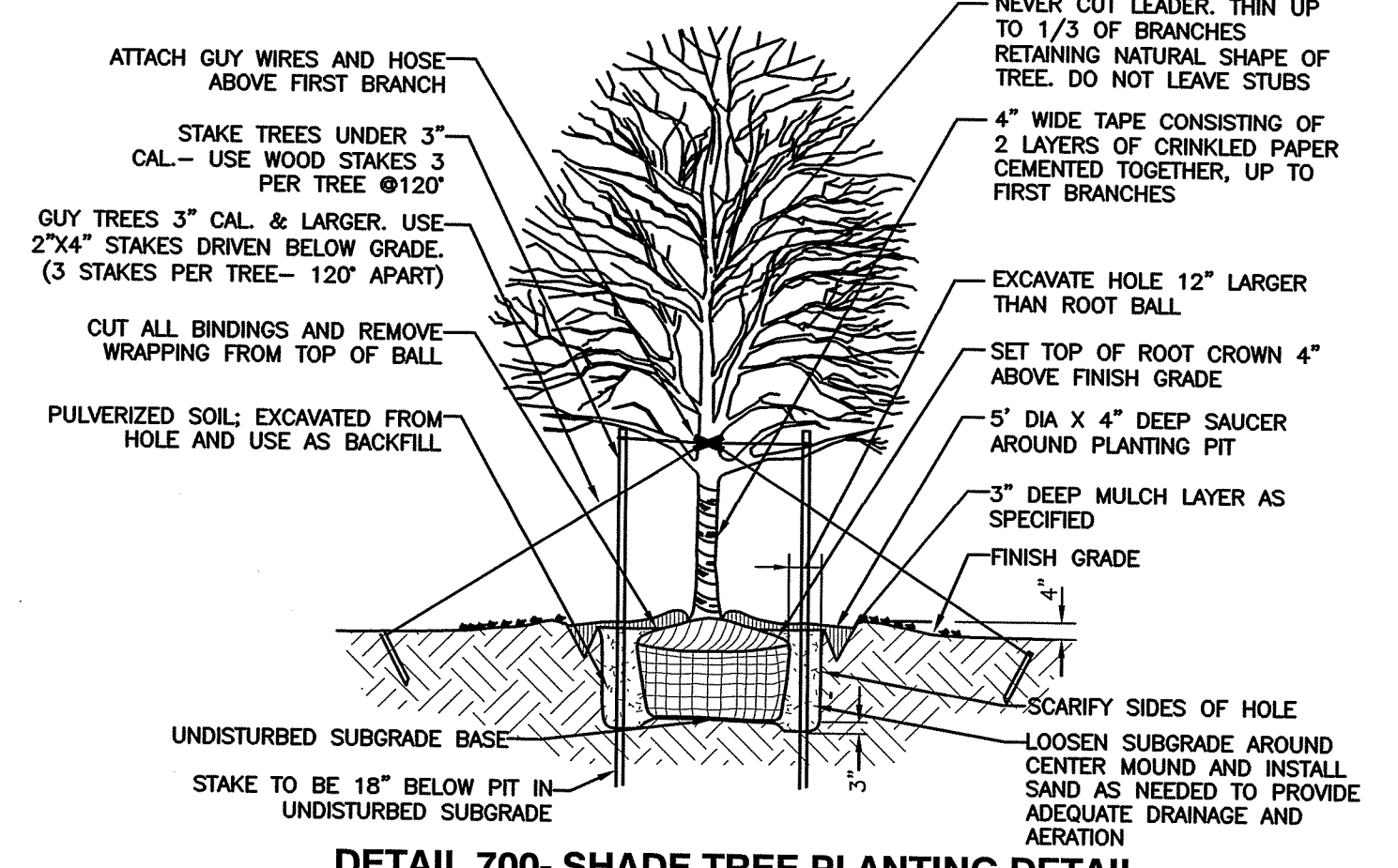
DETAIL 703 - TREE STAKING DETAIL
NOT TO SCALE



DETAIL 702 - SHRUB/ SMALL TREE PLANTING DETAIL
NOT TO SCALE



DETAIL 701 - ORNAMENTAL GRASS/ PERENNIAL AND GROUNDCOVER PLANTING DETAIL
NOT TO SCALE



DETAIL 700 - SHADE TREE PLANTING DETAIL
NOT TO SCALE

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Nancy J. Freeman

RHODE ISLAND RESOURCE RECOVERY CORPORATION
AREA=378,157 S.F. (8.68 ACRES)
BK.2352, PG.15

SYMBOL	DESCRIPTION	PLANT QUANTITY	PLANT TYPE	REQ. LOCATION
FN	FOUNDATION PLANTINGS	1	AG	
FY	FRONT YARD PLANTINGS	1	FN	

PERMITTING SET
6-2-2021

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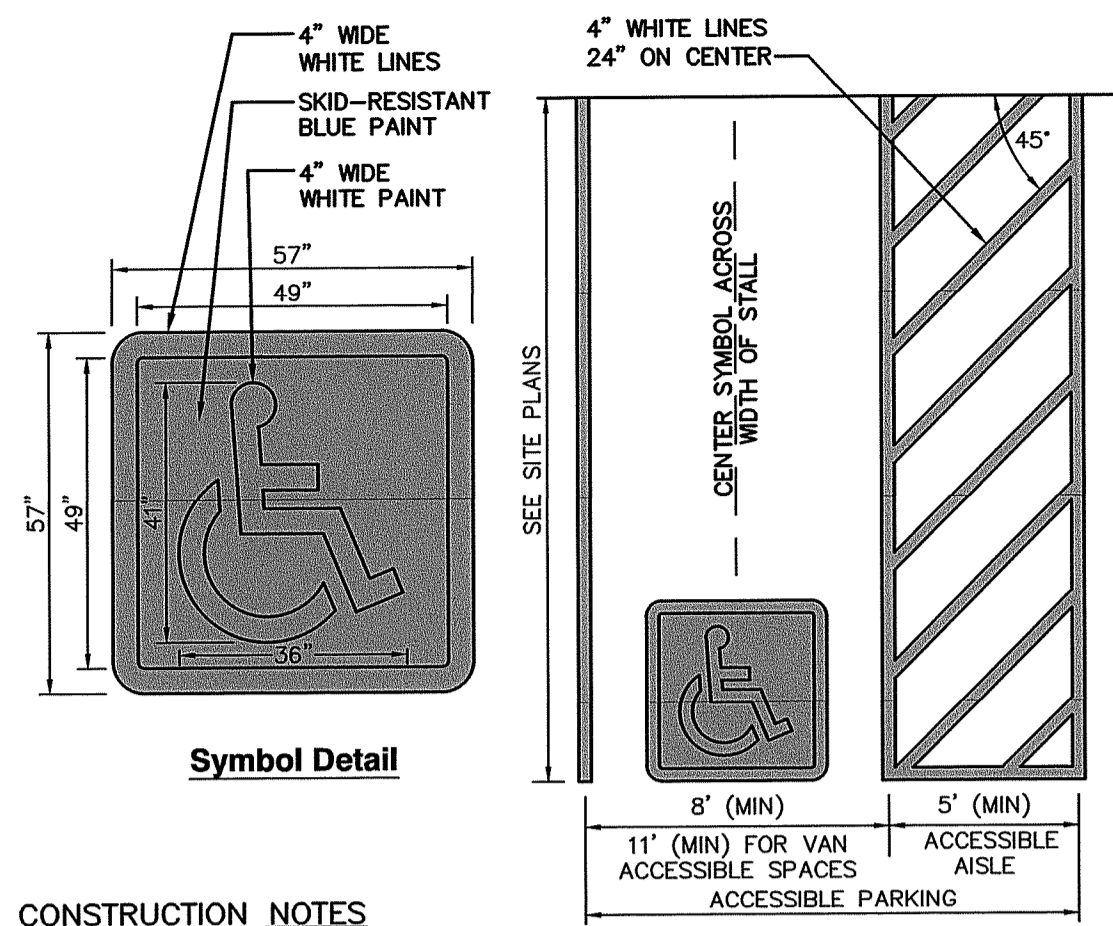
PROJECT NO: DR12101 - RIRRC ADMIN BUILDING
CEC PROJECT #: 310-228
DRAWN BY: RRF
CHECKED BY: AJK
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LANDSCAPE PLAN

C-700

Sheet 8 of 11

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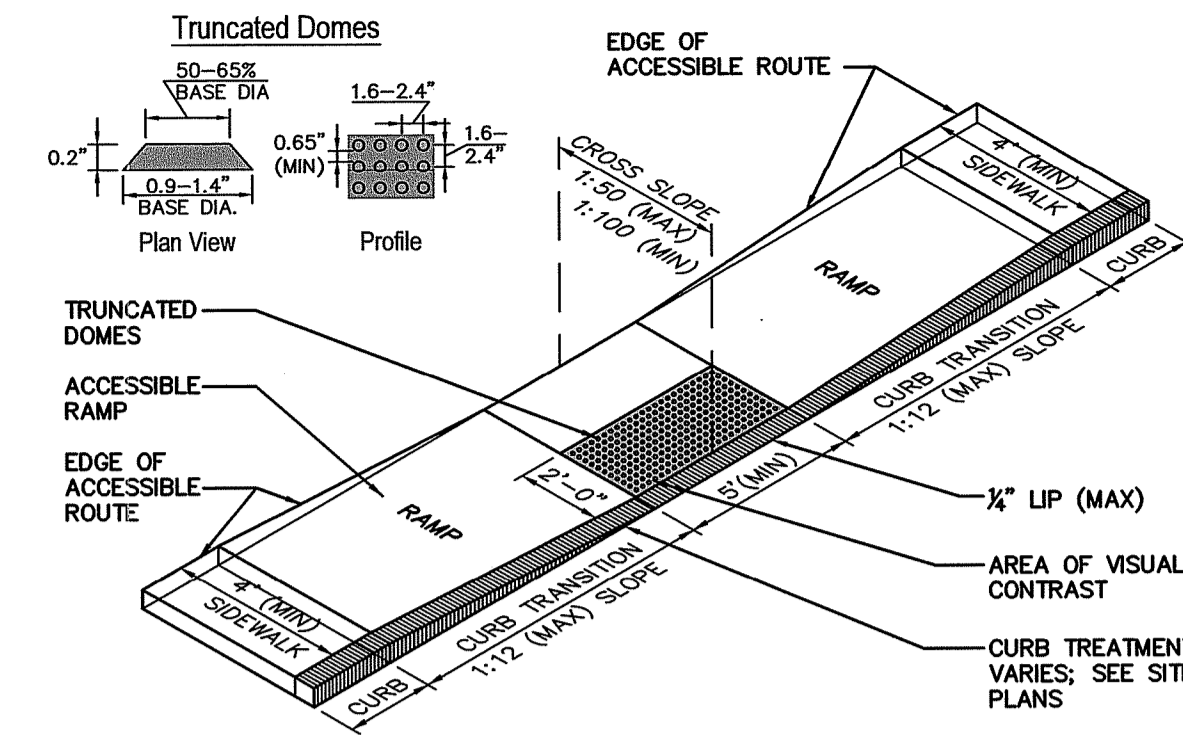
Symbol Detail

CONSTRUCTION NOTES

1. ACCESSIBLE PARKING SPACE SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN.
2. ACCESSIBLE SYMBOL SHALL COMPLY WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AS DEPICTED IN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FIGURE 3B-19.
3. STRIPING SHALL BE 4" WIDE SOLID WHITE PAVEMENT MARKINGS, UNLESS OTHERWISE NOTED.
4. SLOPES THROUGHOUT THE ACCESSIBLE PARKING AND AISLE AREAS SHALL NOT EXCEED 1:50 (2.0%).

1 ACCESSIBLE PARKING SPACE

C800 N.T.S.

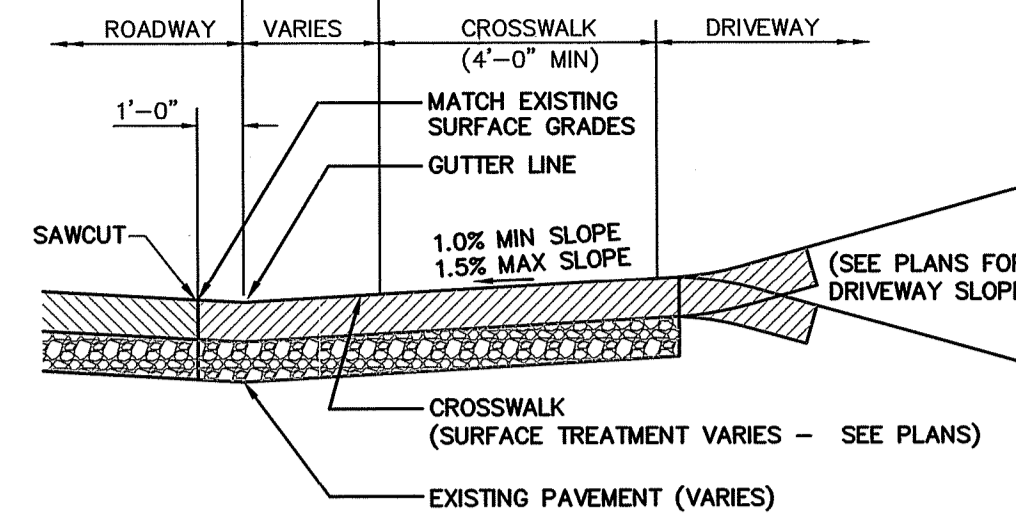


2 CONSTRUCTION NOTES

1. CURB RAMP SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN.
2. THE RUNNING SLOPE OF CURB RAMP SHALL NOT BE GREATER THAN 1:12. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE GREATER THAN 1:20. THE CROSS SLOPE OF CURB RAMP AND WALKING SURFACES SHALL NOT BE GREATER THAN 1:50 OR LESS THAN 1:100.
3. LANDINGS SHALL BE PROVIDED AT THE TOPS OF CURB RAMP. THE LANDING CLEAR LENGTH SHALL BE 36 INCHES (3 FEET) MINIMUM. THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE CURB RAMP, EXCLUDING FLARED SIDES, LEADING TO THE LANDING.
4. COUNTER SLOPES OF ADJOINING SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP SHALL NOT BE STEEPER THAN 1:20.
5. DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES AND BE INSTALLED PERPENDICULAR TO THE ACCESSIBLE ROUTE.

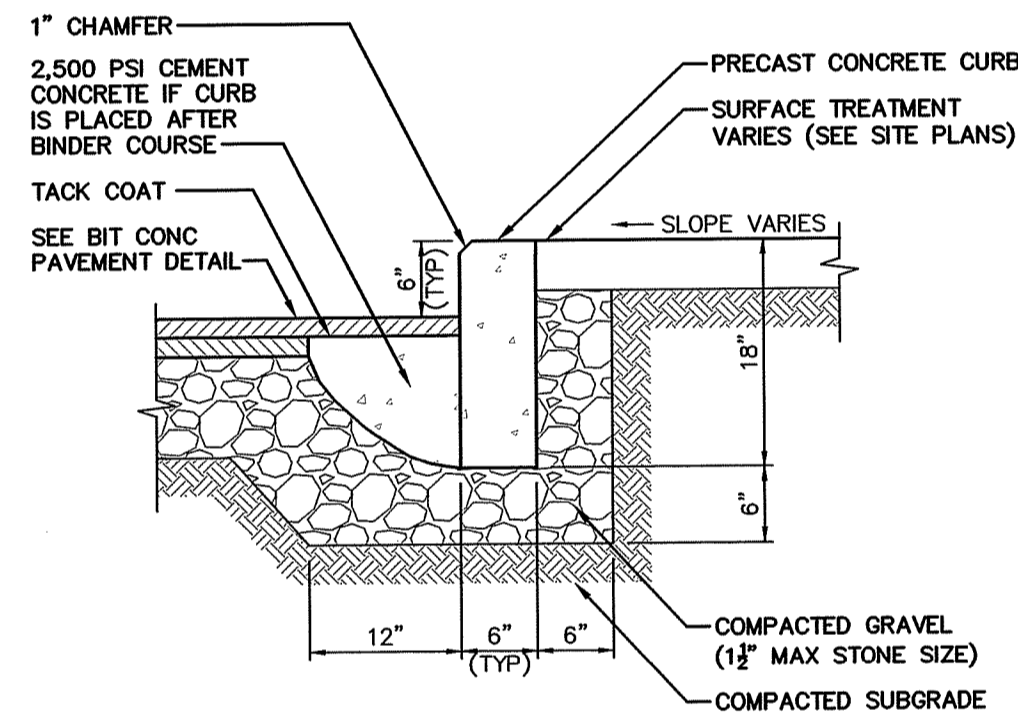
2 ACCESSIBLE CURB RAMP (TYPE "A")

C800 N.T.S.



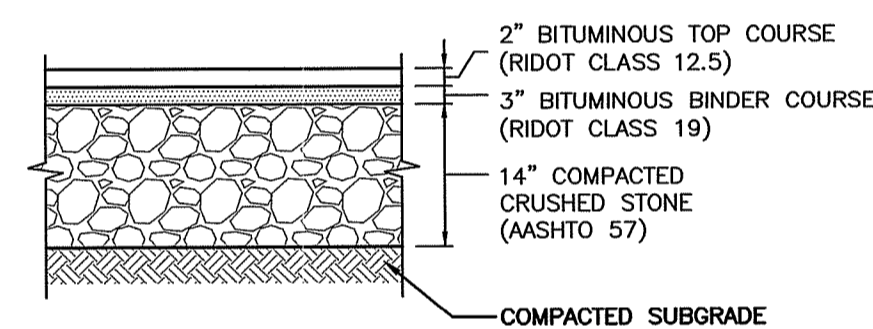
3 DRIVEWAY ENTRANCE DETAIL

C800 N.T.S.



4 PRECAST CONCRETE CURB

C800 N.T.S.



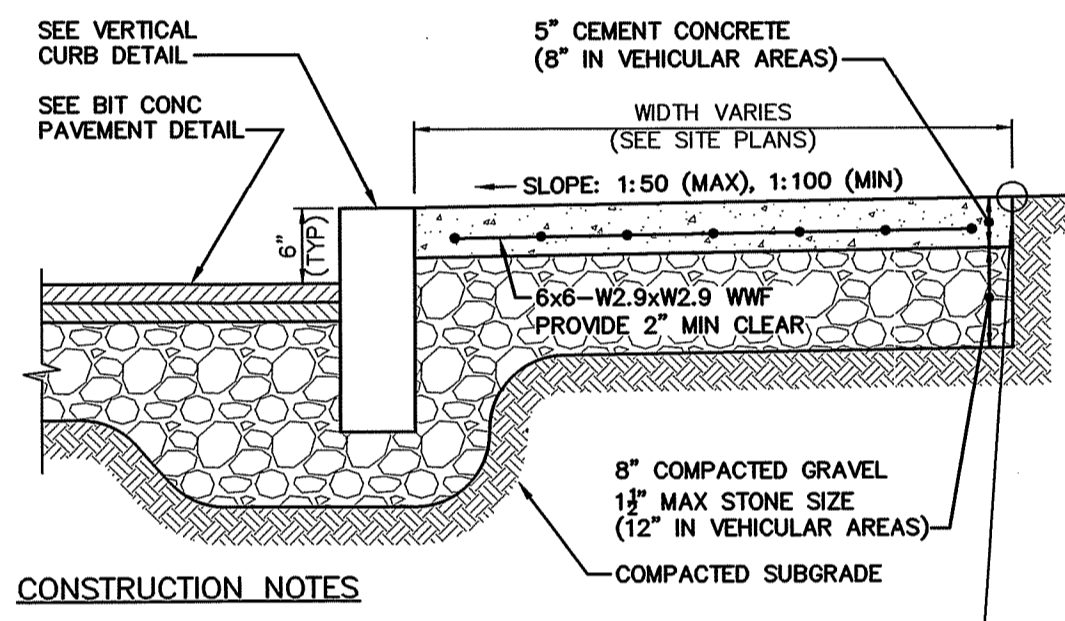
5 HEAVY DUTY FLEXIBLE PAVEMENT

CONSTRUCTION NOTES

1. PAVEMENT SECTIONS ARE SUBJECT TO CHANGE AND WILL BE BASED ON THE RESULTS OF FURTHER GEOTECHNICAL INVESTIGATIONS.

5 BITUMINOUS CONCRETE PAVEMENT

C800 N.T.S.

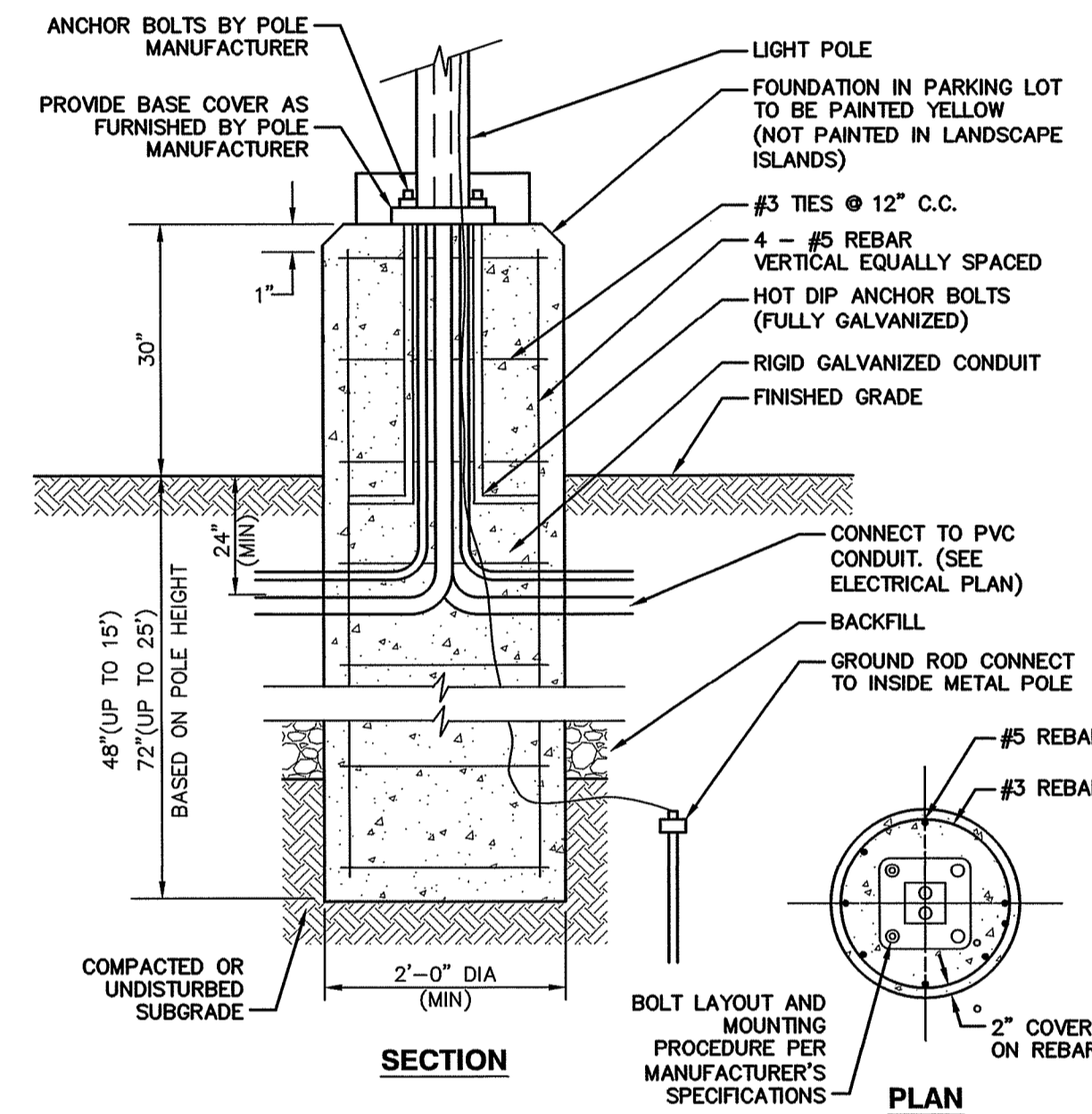


CONSTRUCTION NOTES

1. CEMENT CONCRETE SHALL BE 4,000 PSI-TYPE II.
2. PROVIDE EXPANSION JOINTS AT A MINIMUM 30 FEET ON-CENTER WITH PRE-FORMED EXPANSION JOINT FILLER AND SEALER.
3. PROVIDE TOOLED CONTROL JOINTS AT A MINIMUM SIX (6) FEET ON-CENTER.
4. PROVIDE BROOM FINISH IN DIRECTION PERPENDICULAR TO CURB.
5. FOR ACCESSIBLE ROUTES, SIDEWALKS SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN.
6. FOR ACCESSIBLE ROUTES, THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE GREATER THAN 1:20. THE CROSS SLOPE OF WALKING SURFACES SHALL NOT BE GREATER THAN 1:50 OR LESS THAN 1:100.
7. FOR ACCESSIBLE ROUTES, WHERE THE SIDEWALK IS LESS THAN FIVE (5) FEET IN WIDTH, EXCLUDING CURBING, A 5' X 5' PASSING AREA SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 200 FEET.
8. FOR ACCESSIBLE ROUTES, A MINIMUM CLEARANCE OF THREE (3) FEET SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE; HYDRANTS, UTILITY POLES, SIGN POSTS, ETC.

6 CONCRETE SIDEWALK

C800 N.T.S.

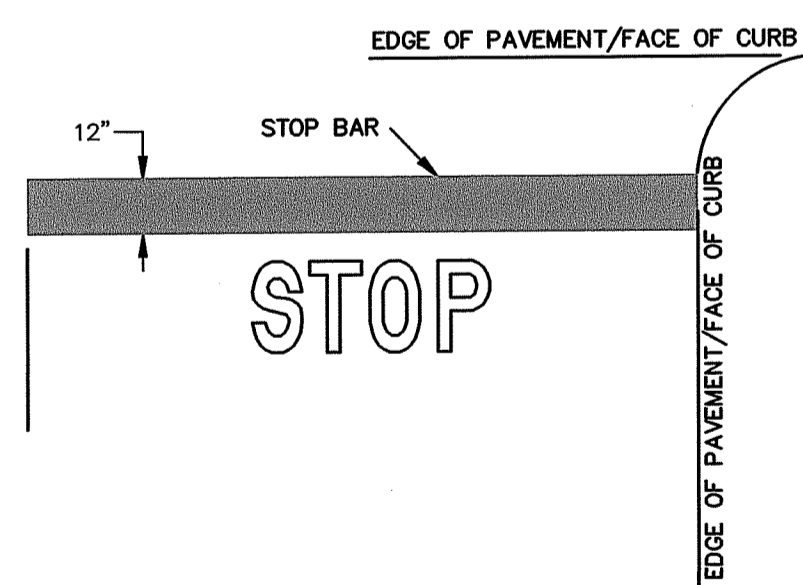


CONSTRUCTION NOTES

1. LIGHT POLE FOUNDATION DESIGN IS SUBJECT TO CHANGE BASED ON FINAL POLE HEIGHT AND FIXTURE SELECTION AND GEOTECHNICAL SITE INVESTIGATIONS.
2. LIGHT POLE FOUNDATION TO BE PRECAST CONCRETE, MINIMUM 4,000 PSI. UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC.

7 LIGHTPOLE FOUNDATION DETAIL

C800 N.T.S.



CONSTRUCTION NOTES:

1. SET POSTS IN CONCRETE TO A MINIMUM DEPTH OF 36". SIGN PANELS SHALL BE 0.100 ALUMINUM WITH RAISED OR SILKSCREEN COPY.
2. FOR POST MOUNTING, USE NON-CORROSIVE 3/8" 2. MACHINE BOLTS W/ WASHERS, 2 PER SIGN; OR IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
3. FOR WALL MOUNTING, USE NON-CORROSIVE 3/8" LAG BOLTS W/ LEAD EXPANSION SHIELD, 4 PER SIGN.
4. ALL TRAFFIC CONTROL SIGNS, SIGN POSTS, AND SIGN HARDWARE SHALL SATISFY THE REQUIREMENTS OF RIDOT.
5. ALL ACCESSIBLE PARKING SIGNAGE IS TO BE INSTALLED WITH THE BOTTOM EDGE OF THE LOWEST SIGN AT LEAST 60" ABOVE FINISHED GRADE.
6. FINE AMOUNT SHALL BE DISPLAYED IN ACCORDANCE WITH LOCAL LAW. THE AMOUNT SHOWN HEREON IS REPRESENTATIVE ONLY. COORDINATE POSTING OF FINE AMOUNT WITH LOCAL LAW ENFORCEMENT AGENCY.
7. STOP BAR MUST BE PAINTED WHITE.

8 SIGNS

C800 N.T.S.

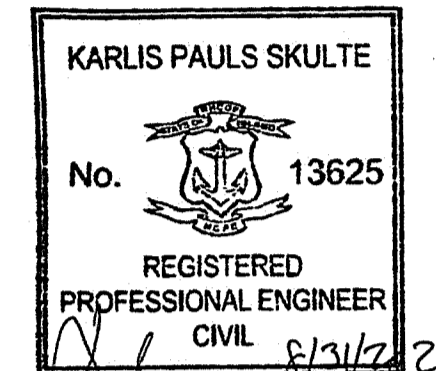
CONSULTANTS



Civil & Environmental Consultants, Inc.

31 Bellows Road, Raynham, MA 02767
Ph: 774.501.2176 • 866.312.2024
Fax: 774.501.2669

STAMP



PROJECT INFORMATION

RIRRC ADMINISTRATION BUILDING
34 SHUN PIKE
JOHNSTON, RI 02919

OWNER
RHODE ISLAND RESOURCE RECOVERY CORPORATION



PERMITTING SET
6-2-2021

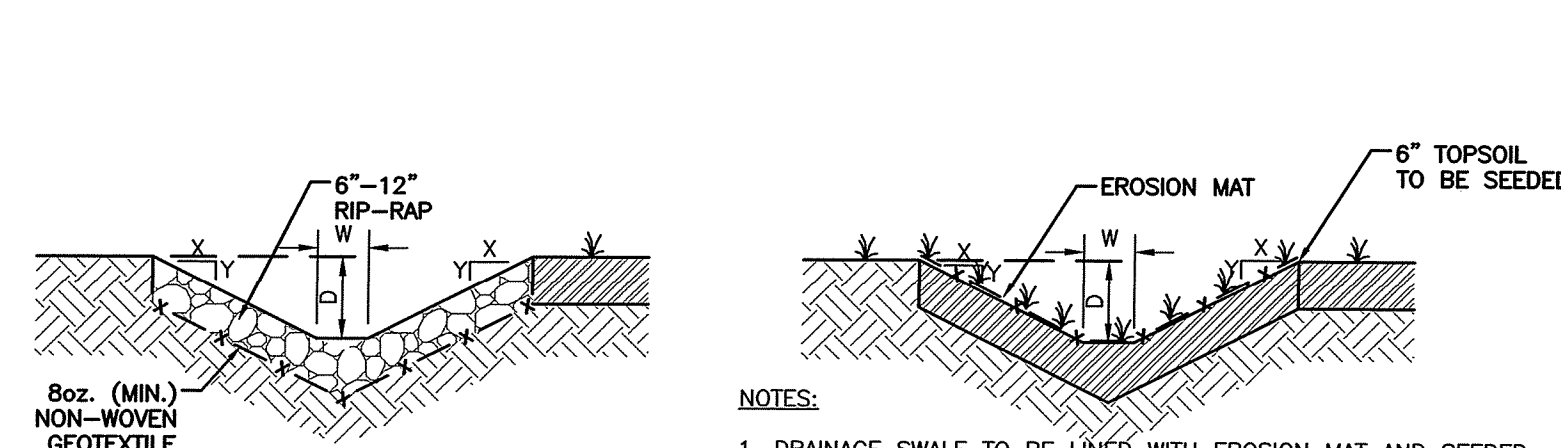
MARK	DATE	DESCRIPTION
▲	8/24/2021	RESPONSE TO COMMENTS

RI Environmental Management
SEP 3 2021
Office of Water Resources

PROJECT NO: DR2101 - RIRRC ADMIN BUILDING
CEC PROJECT #: 310-228

DRAWN BY: CJW
CHECKED BY: AJK
APPROVED BY: KPS
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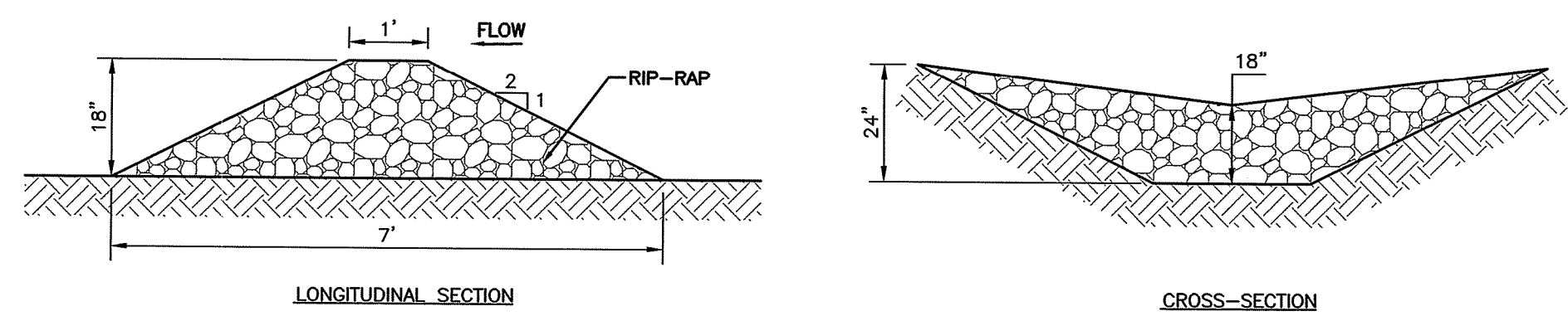
SHEET TITLE
SITE DETAILS



- NOTES:**
1. DRAINAGE SWALE TO BE LINED WITH RIP-RAP.
 2. SEED MIXTURE SHALL CONSIST OF 0.45lbs/1,000 ft² CREEPING RED FESCUE AND 0.45lbs/1,000 ft² OF TALL FESCUE OR REED CANARY GRASS.
 3. RIP-RAP (6"-12") SHALL BE PLACED IN AREAS AS INDICATED ON DRAWINGS, WITH AN 8oz. NON-WOVEN GEOTEXTILE BENEATH.

SWALE TYPE	W (FEET)	D (FEET)	SIDE SLOPE (RUN:RISE)	LINING
1	0	2	3:1	GRASS WITH EROSION MAT

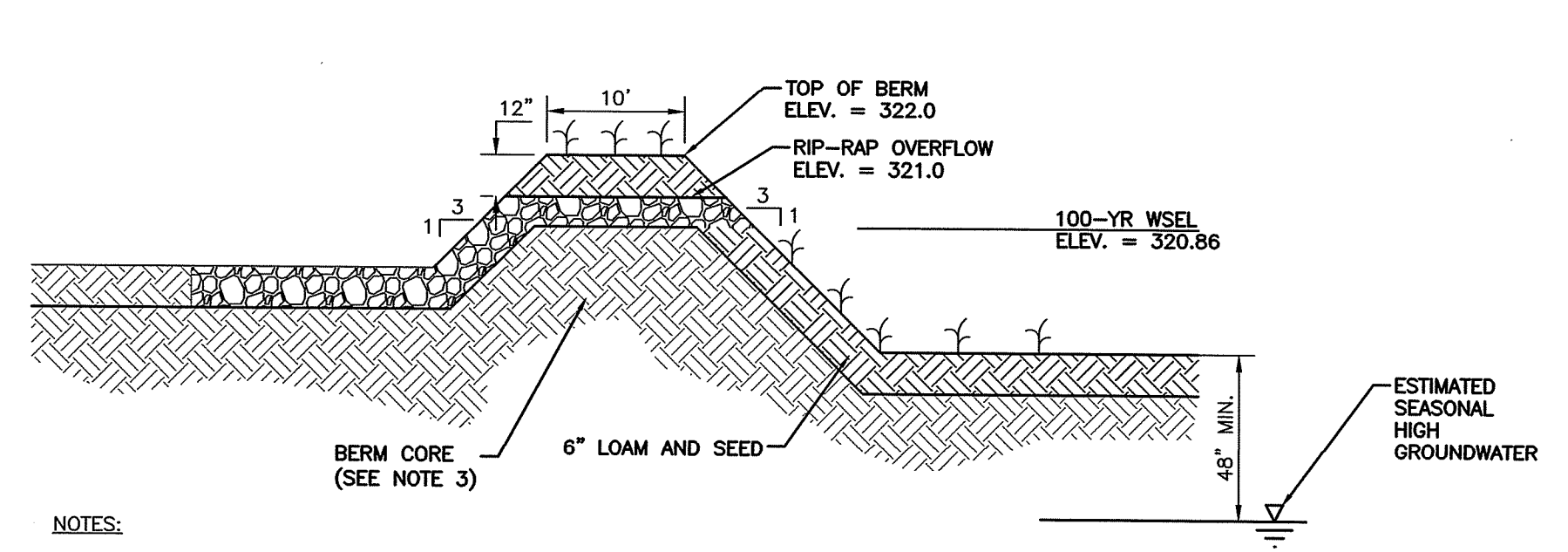
1 DRAINAGE SWALES DETAIL
N.T.S.



- NOTES:**
1. STONE SIZE SHALL AT A MINIMUM MEET THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS M.01.09, TABLE 1 GRADATION II AS PROVIDED BELOW:

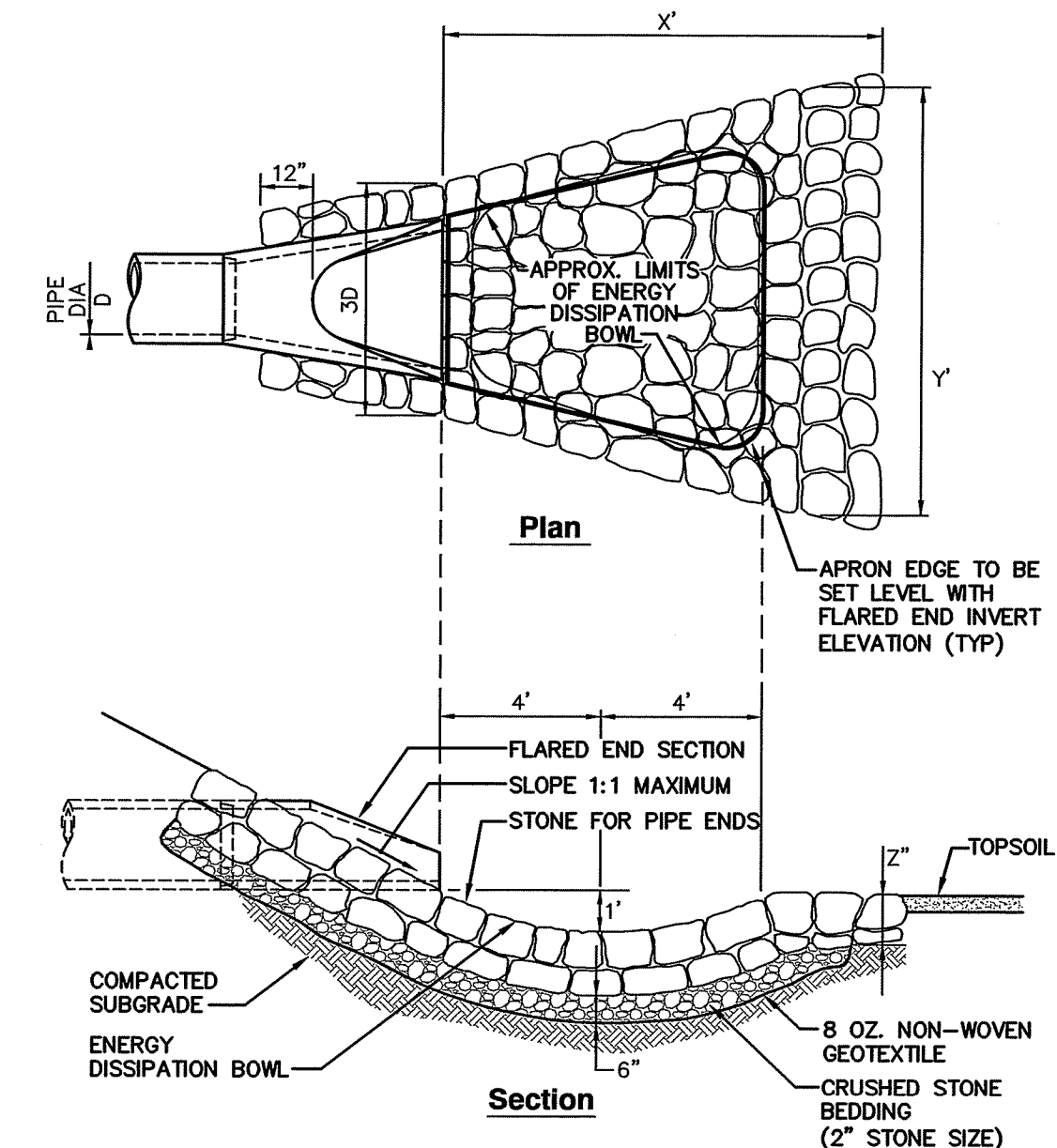
SIEVE	GRADATION % PASSING
2-1/4"	100
2"	90-100
1-1/2"	30-55
1-1/4"	0-25
1"	0-5

2 TEMPORARY CHECK DAM DETAIL
N.T.S.



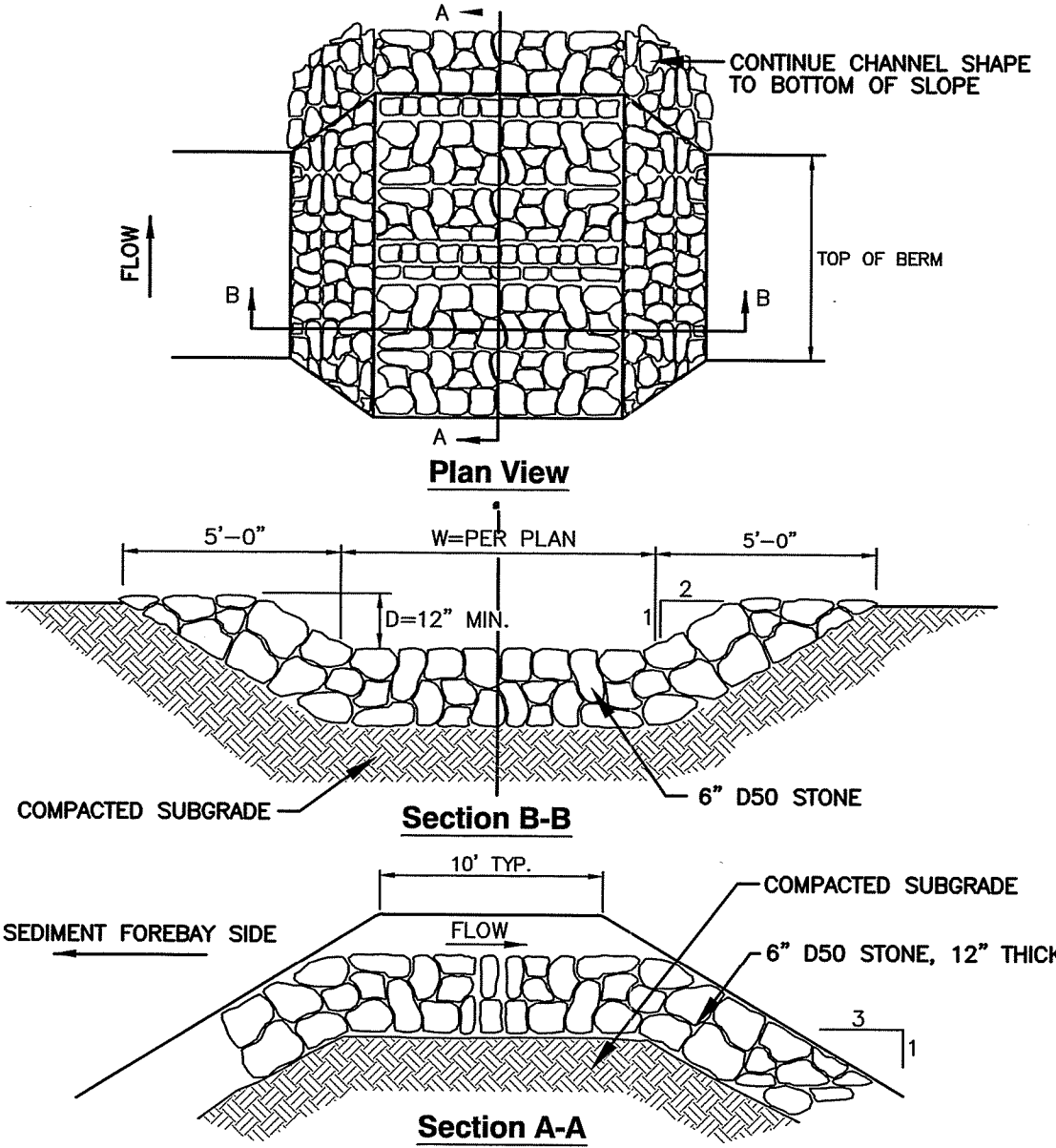
- NOTES:**
1. REFER TO PLANS FOR DETAILED ELEVATIONS AND AREAS.
 2. DO NOT UTILIZE PROPOSED INFILTRATION BASIN AREAS AS TEMPORARY SEDIMENT BASINS DURING CONSTRUCTION.
 3. CORE OF BERM SHALL CONSIST OF FINE GRADED SOILS (ML, CL, MH, CH) AS DETERMINED BY ASTM D2487. COURSE GRAINED SOILS SHALL NOT BE USED AS BERM CORE MATERIAL. SOIL SHALL BE PLACED IN 12" LIFTS AND COMPACT TO 90% OF THE MAXIMUM DRY DENSITY, AS DETERMINED BY THE MODIFIED PROCTOR TEST ASTM D1557.

3 TYPICAL INFILTRATION BASIN DETAIL
N.T.S.

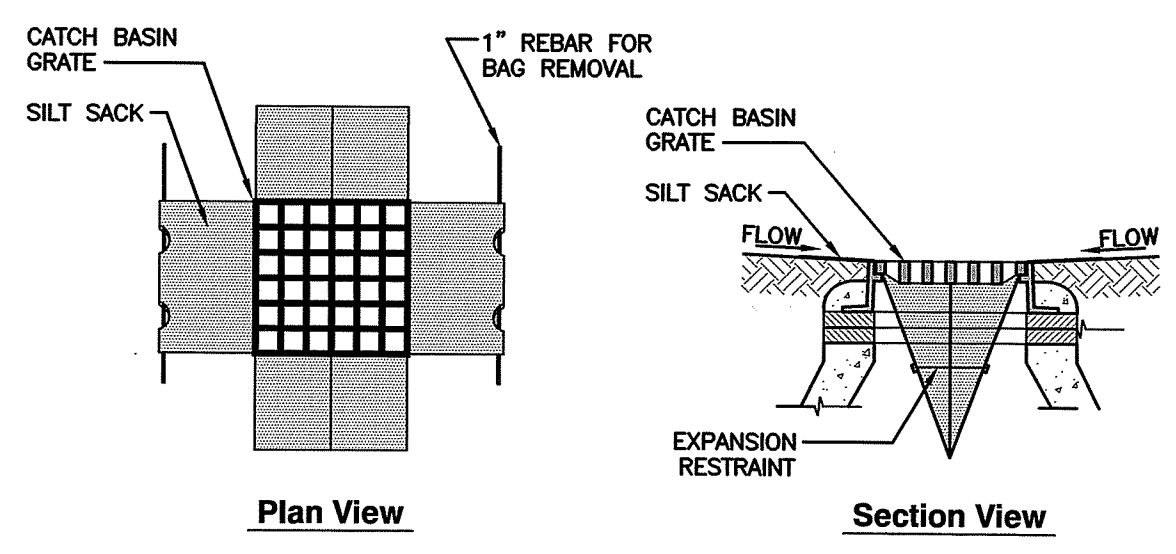


FES NO.	X'	Y'	Z'	STONE DIA. (D)
FES OUTLET 0-A1 FROM 12" CULVERT	10	7	6	5
FES OUTLET FROM ROOF DRAIN	7	5	6	5

4 FLARED END SECTION WITH STONE PROTECTION
N.T.S.

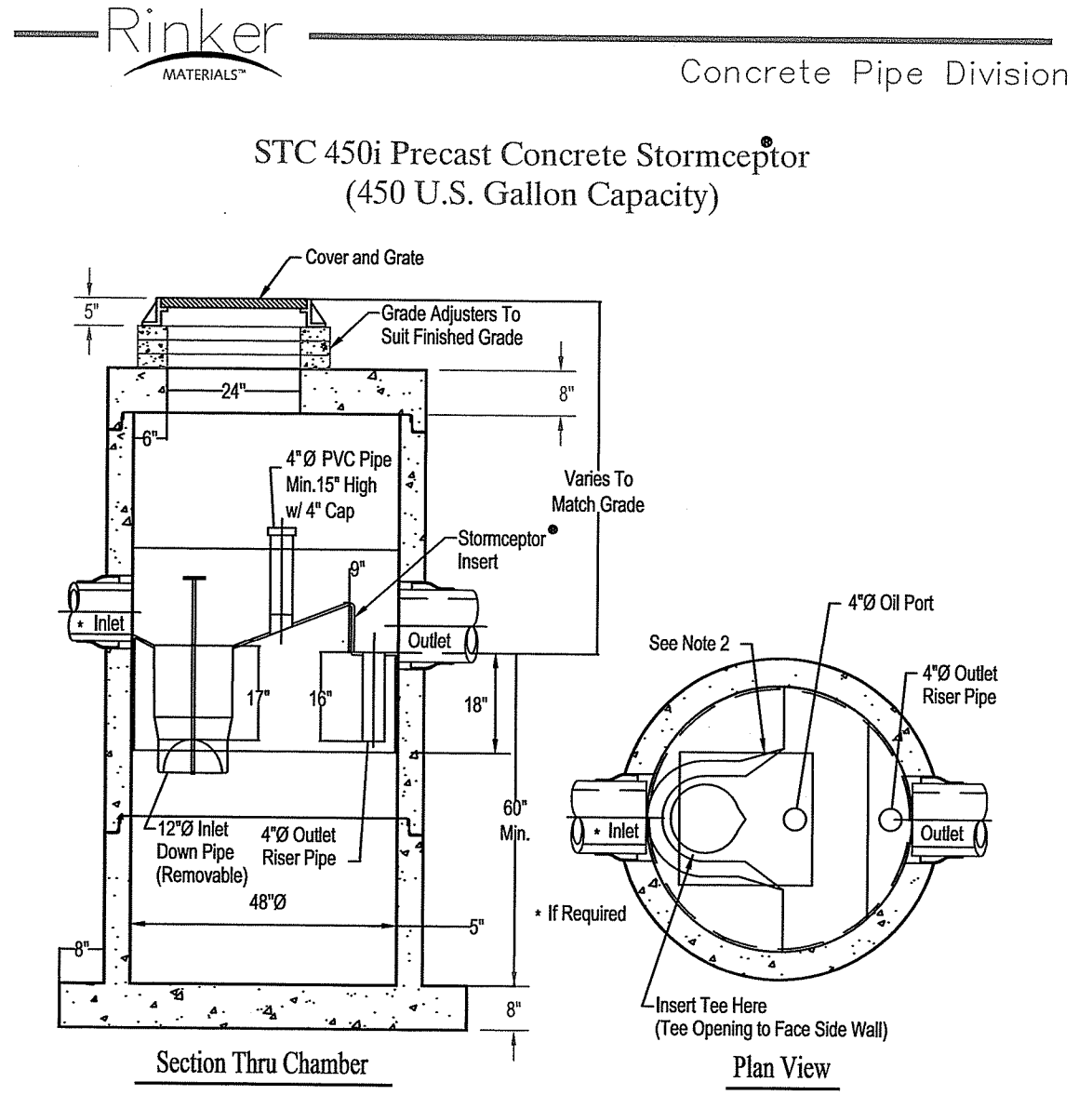


5 BASIN OVERFLOW
N.T.S.



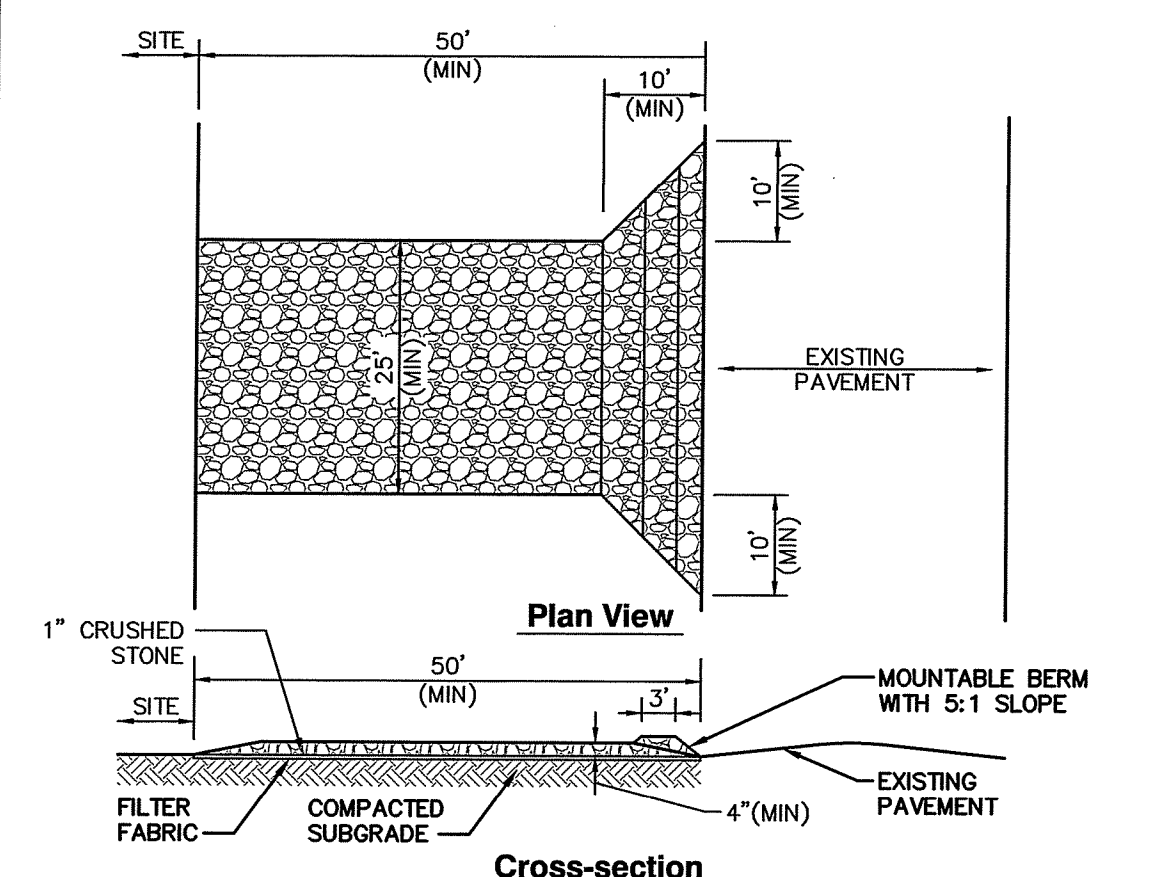
- CONSTRUCTION NOTES:**
1. INSTALL SILT SACKS IN ALL CATCH BASINS WHERE INDICATED ON THE SITE PLANS BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER THE BINDER COURSE IS PLACED AND EROSION CONTROL BARRIERS HAVE BEEN REMOVED.
 2. GRATE TO BE PLACED OVER SILT SACK.
 3. SILT SACKS SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS. CLEANING OR REPLACEMENT SHALL BE PERFORMED AS NEEDED. MAINTAIN SILT SACKS UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED.

6 SILT SACK INLET PROTECTION
N.T.S.



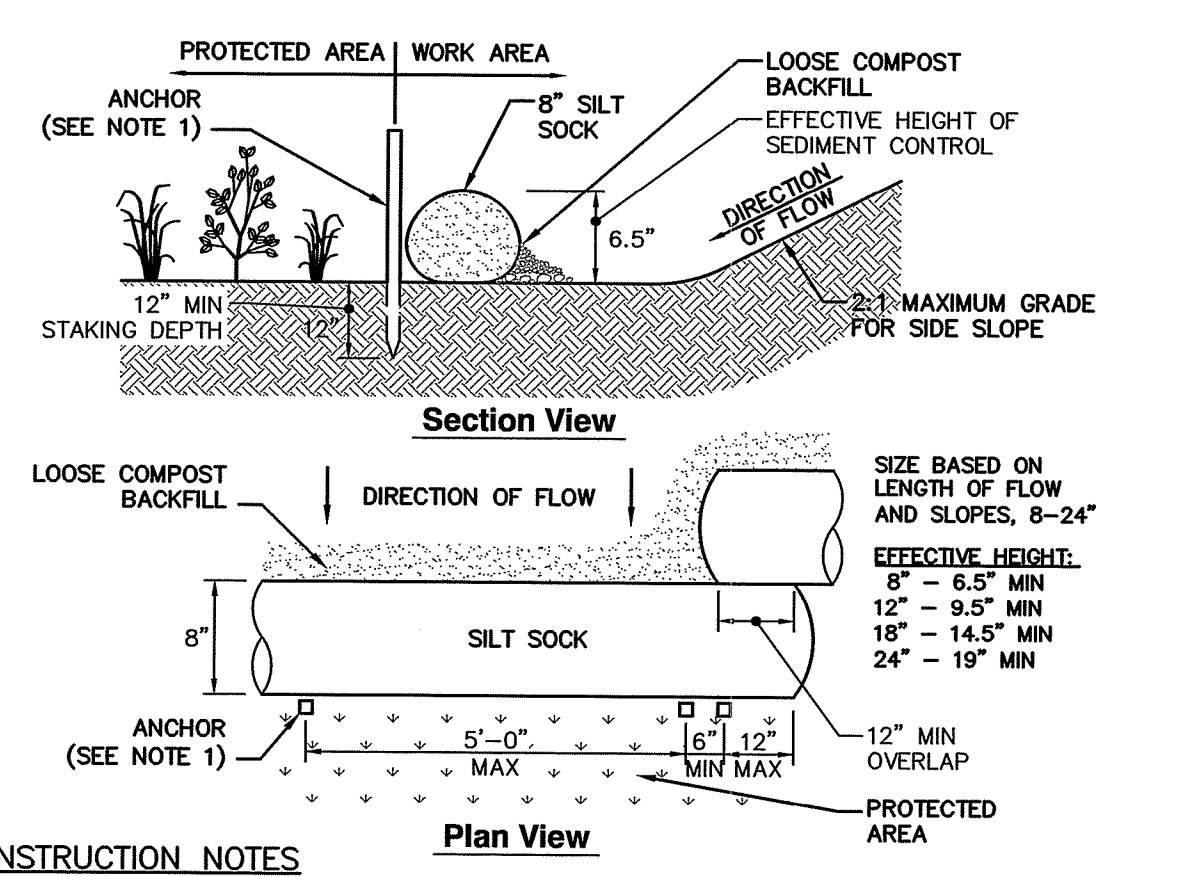
- NOTES:**
1. The Use of Flexible Connection is Recommended at the Inlet and Outlet Where Applicable.
 2. The Cover Should be Positioned Over The Inlet Drop Pipe and The Oil Port.
 3. The Stormceptor System is protected by one or more of the following U.S. Patents: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, #6371690.
 4. Contact a Concrete Pipe Division representative for further details not listed on this drawing.

7 TYPICAL WATER QUALITY UNIT (STORMCEPTOR)
N.T.S.



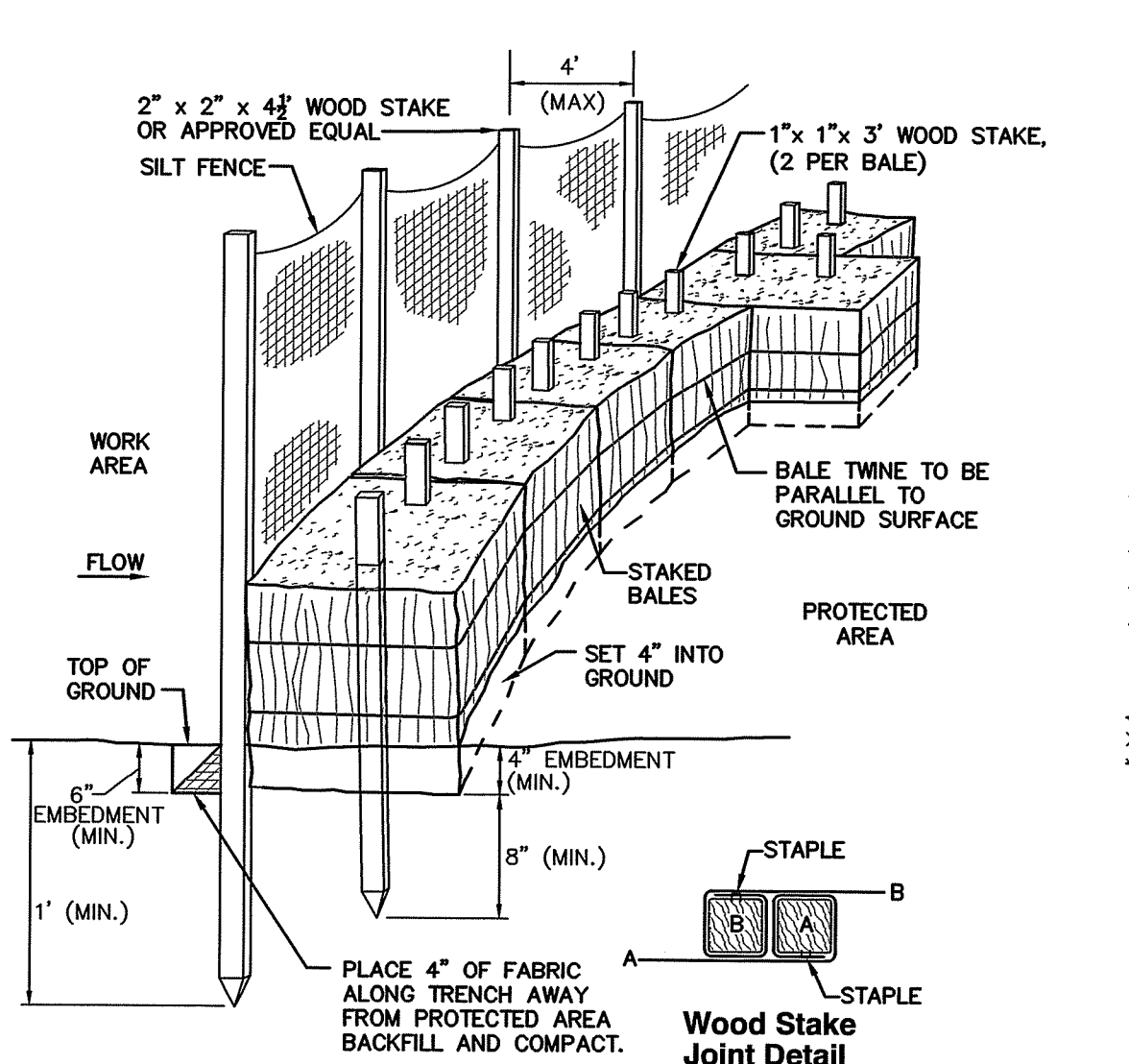
- CONSTRUCTION NOTES:**
1. ENTRANCE WIDTH SHALL BE A TWENTY-FIVE (25) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.
 3. STABILIZED CONSTRUCTION ENTRANCE SHALL BE REMOVED PRIOR TO FINAL FINISHED MATERIALS BEING INSTALLED.

8 STABILIZED CONSTRUCTION EXIT
N.T.S.



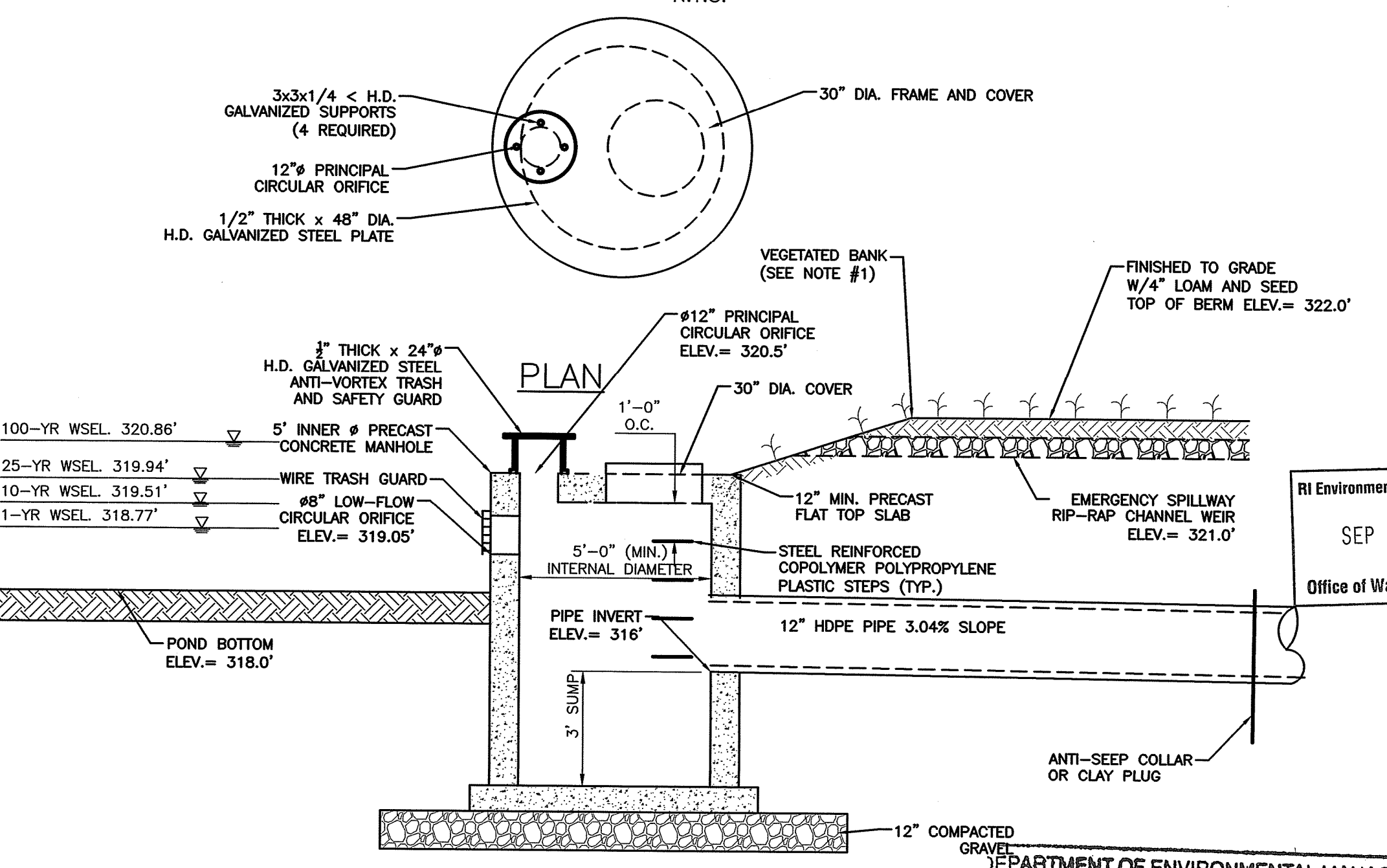
- CONSTRUCTION NOTES:**
1. ANCHOR TO BE A 2" x 2" x 36" HARD WOOD STAKE, OR APPROVED EQUAL.
 2. COMPOST FOR SILT SOCK FILL MATERIAL TO BE PROVIDED BY THE MANUFACTURER IN CONJUNCTION WITH THE ENGINEER TO PROVIDE THE REQUIRED REMOVAL OF SEDIMENT OR OTHER POLLUTANTS FROM RUNOFF.
 3. COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE LOCAL CONSERVATION AGENT OR THE DESIGN ENGINEER.
 4. SILT SOCK SHALL BE INSPECTED PER LOCAL AND STATE REQUIREMENTS. REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY, AS NEEDED.
 5. METHOD OF INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.

9 PERIMETER EROSION CONTROL
N.T.S.



- CONSTRUCTION NOTES:**
1. PLACE ONE STRAW BALE PERPENDICULAR ALONG STRAW BALE BARRIER (100' O.C.)

10 PERIMETER EROSION CONTROL
N.T.S.



- CONSTRUCTION NOTES:**
1. PLACE ONE STRAW BALE PERPENDICULAR ALONG STRAW BALE BARRIER (100' O.C.)

11 INFILTRATION BASIN OUTFLOW DEVICE DETAIL
N.T.S.

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KARLIS PAULS SKULTE
No. 13625
REGISTERED PROFESSIONAL ENGINEER
CIVIL 8/17/21

RIRRC ADMINISTRATION BUILDING
34 SHUN PIKE
JOHNSTON, RI 02919
OWNER: RHODE ISLAND RESOURCE RECOVERY CORPORATION



PERMITTING SET
6-2-2021

MARK	DATE	DESCRIPTION
△	8/31/21	RIDEM RESPONSE TO COMMENTS

PROJECT NO: DR1201 - RIRRC ADMIN BUILDING
CEC PROJECT #: 310-228
DRAWN BY: CJW
CHECKED BY: AAK
APPROVED BY: KPS
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SHEET TITLE: **SITE DETAILS**
C-801

