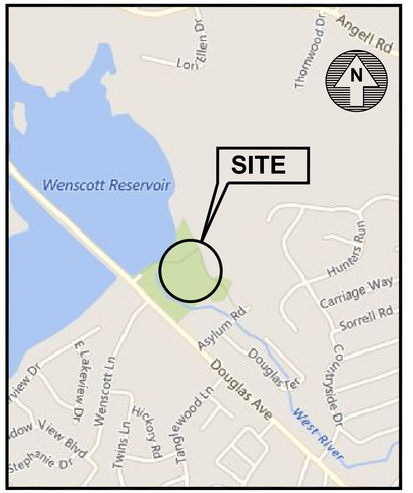
SITE PLAN SET

FOR

PROPOSED AMPHITHEATER
CAMP MEEHAN

1671 DOUGLAS AVENUE
NORTH PROVIDENCE, RHODE ISLAND



LOCATION MAP
NOT TO SCALE

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REVISIONS

No.:	DATE:	DESCRIPTION:
1	07-02-18	STAGE

OWNER

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2000 SMITH STREET
NORTH PROVIDENCE, RI 02911
PHONE (401) 232-0900
FAX (401) 232-3434

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- Transportation
- Environmental
- Site Planning
- Surveying
- Permitting
- Landscape Architecture

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ARCHITECTS

Ed Wojcik
architect, ltd
One Richmond Square
Providence, RI 02906
401· 861 7139
Fax: 401 861 7165

APRIL 2018
SHEET 1 of 19

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE AND UTILITIES, BOTH UNDERGROUND AND OVERHEAD, BEFORE EXCAVATION BEGINS IN ACCORDANCE WITH "DIG SAFE PROGRAM LAW" ENACTED BY THE R.I. LEGISLATURE AND BY CONTACTING THE INDIVIDUAL UTILITY COMPANIES. EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY MUNICIPALITY, STATE OR FEDERAL AGENCY THAT MAY APPLY. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

2. IN ADDITION TO THE PROJECT MANUAL, SPECIFICATIONS TO GOVERN THIS PROJECT ARE R.I.D.O.T. STANDARD SPECIFICATIONS AND DETAILS. FOR ALL EXCAVATION, PLACEMENT OF FILL, PIPE BITUMINOUS PAVEMENT, CUTTING INTO CATCHBASIN/MANHOLES, CONCRETE AND SAWCUTTING, THE CONTRACTOR SHALL PERFORM THE WORK IN FULL COMPLIANCE WITH THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2013 EDITION, WITH LATEST REVISIONS UNLESS OTHERWISE SHOWN ON PLANS. THE "METHOD OF MEASUREMENT" AND "BASIS OF PAYMENT" ARE NOT APPLICABLE. THESE SPECIFICATIONS CAN BE OBTAINED ON-LINE AT:

   http://www.dot.ri.gov/business/contractorsandconsultants.php

3. FOR ALL EXCAVATION AND PLACEMENT OF FILL, THE CONTRACTOR SHALL PERFORM THE WORK IN FULL COMPLIANCE WITH THE R.I. STANDARD SPECIFICATION SECTION 202.

4. RHODE ISLAND STANDARDS REFERENCED ARE ACCORDING TO THE STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS "RHODE ISLAND STANDARD DETAILS" MAY 20, 2015, LATEST REVISIONS, PREPARED BY THE DEPARTMENT OF TRANSPORTATION.

5. THE CONTRACTOR MUST VERIFY PRIOR TO CONSTRUCTION THAT ALL REQUIRED AUTHORIZATION TO PERFORM WORK HAS BEEN OBTAINED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION OPERATIONS INCLUDING ALL ACTIONS OR OMISSIONS OF ANY SUBCONTRACTORS, AGENTS OR EMPLOYEES. THE CONTRACTOR MUST ENSURE THAT THE CONDITIONS OF ALL PERMITS, SPECIFICATIONS AND FEDERAL, STATE AND LOCAL REGULATIONS ARE STRICTLY ENFORCED. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ASPECTS OF ON-SITE SAFETY INCLUDING ANY DAMAGE TO EXISTING STRUCTURES.

6. WORK SHOWN ON THE PLANS FOR WHICH THERE ARE NO PARTICULAR DETAILS OR SPECIFICATIONS DOES NOT RELIEVE THE CONTRACTOR FROM FURNISHING AND INSTALLING THE WORK. THE CONTRACTOR SHALL THOROUGHLY EXAMINE THE CONTRACT DOCUMENTS AND PLANS AND INSPECT THE SITE, AND THE BID PRICE SHALL INCLUDE ALL SERVICES AND MATERIALS NECESSARY TO COMPLETE THE PROJECT. ANY CHANGES TO THE PROJECT OR THE INSTALLATION OF AN ITEM FOR WHICH NO PARTICULAR DETAIL OR SPECIFICATION WAS PROVIDED MUST BE REVIEWED BY AND MUST BE ACCEPTABLE TO THE ENGINEER.

7. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY WORK.

8. ALL DISTURBED AREAS SHALL BE REPLACED IN KIND UNLESS OTHERWISE SHOWN.

LAYOUT NOTE

THE LAYOUT SHOWN REPRESENTS A GRAPHICAL DESIGN, AND PRIOR TO THE CONSTRUCTION, THE CONTRACTOR SHALL ENGAGE A PROFESSIONAL LAND SURVEYOR (PLS) REGISTERED IN THE STATE OF RHODE ISLAND TO SET AND VERIFY ALL LINES AND GRADES. ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS ARE TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY ITEM FOUND WHICH DOES NOT MATCH THE PLANS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO CONSTRUCTION FOR REVIEW. NO WORK SHALL PROCEED UNTIL AUTHORIZED BY THE ENGINEER.

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC INCLUDING POLICE PROTECTION. ALL TEMPORARY CONSTRUCTION SIGNS, BARRICADES AND LANE CLOSURES SHALL BE IN CONFORMANCE WITH THE LATEST REVISIONS OF MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.)

2. TEMPORARY CONSTRUCTION SIGNS AND ALL APPLICABLE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC.

3. THE PRIVATE VEHICLES OF CONSTRUCTION WORKERS WILL NOT BE PARKED IN THE ROADWAY RIGHT-OF-WAY.

4. ALL MAINTENANCE AND PROTECTION OF TRAFFIC CONTROL SETUPS, SIGNS, CHANNELING DEVICES, ETC., SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2009 EDITION, LATEST REVISIONS.

5. SIGN MOUNTINGS SHALL BE IN ACCORDANCE WITH THE STATE D.O.T. SPECIFICATIONS FOR TEMPORARY CONSTRUCTION SIGNS.

CONSTRUCTION NOTES

1. THE CONTRACTOR IS REQUIRED TO OBTAIN AND REVIEW ALL ENGINEERING AND PERMIT DOCUMENTS COMPLETED FOR FINAL DESIGN.

2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION ACTIVITIES ON SITE. THE COORDINATION IS NECESSARY FOR THE ENGINEER TO SCHEDULE SITE INSPECTIONS AS REQUIRED.

3. THE CONTRACTOR IS REQUIRED TO MAINTAIN DETAILED AS-BUILT INFORMATION FOR ALL DRAINAGE INSTALLATION. AS-BUILT INFORMATION INCLUDES MATERIAL LIST, PIPE DEPTH NOTATIONS AND SWING TIE LOCATIONS (2 MINIMUM) FROM NEW PIPE TO PERMANENT STRUCTURES. ALL PIPE BEND/ELBOW LOCATIONS SHALL BE DIMENSIONED.

FLOOD ZONE NOTE

THE SITE IS WITHIN FLOOD ZONE X, AREAS TO BE OUTSIDE THE 0.2% CHANCE FLOODPLAIN, ACCORDING TO FLOOD INSURANCE RATE MAP, PROVIDENCE COUNTY, RHODE ISLAND, PANEL 302 OF 451, MAP NUMBER 44007C0302H, MAP REVISED OCTOBER 2, 2015.

PROPOSED PAVEMENT STRUCTURE

1 1/2" BITUMINOUS CONCRETE SURFACE COURSE TYPE I-1
2 1/2" BITUMINOUS CONCRETE BASE COURSE
8" RECLAIMED-RECYCLED PAVEMENT/GRAVEL BORROW SUBBASE

LEGEND

EXISTING		PROPOSED
℄	PROPERTY LINE	
	EASEMENT LINE	
	CURB	
	BITUMINOUS BERM	
NO.	UTILITY POLE	
LP	LIGHT POLE	
(Size) D	DRAIN LINE	(SIZE) D
	UNDERDRAIN	(SIZE) UD
(Size) S	SANITARY SEWER	
(Size) G	GAS LINE	
6"W	DOMESTIC WATER LINE	
Elec	ELECTRIC/CABLE/TELEPHONE	
OHW	OVERHEAD UTILITY LINES	
DMH	DRAINAGE MANHOLE	DMH
CB	CATCH BASIN	CB
SMH	SEWER MANHOLE	
EMH	ELECTRIC MANHOLE	
TMH	TELEPHONE MANHOLE	
Hyd.	HYDRANT	
WG	WATER GATE	
GG	GAS GATE	
CO	CLEAN-OUT TO GRADE	
	SAWCUT PAVEMENT	
XXX	CONTOURS	ELEV.
ELEV.	SPOT GRADES	00x0
	CHAIN LINK FENCE	
	STOCKADE FENCE	
	RETAINING WALL	
	STONE WALL	
	WOOD GUARDRAIL	
	GRADE TO DRAIN	
(Size)	TREE	
Bollard	BOLLARDS	
	LIMIT OF DISTURBANCE	
	FILTER SOXX	
TP-1	TEST PIT	

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KEY PLAN

PROJECT TITLE:

PROPOSED AMPHITHEATER CAMP MEEHAN

1671 DOUGLAS AVENUE NORTH PROVIDENCE, RI

PREPARED FOR:

TOWN OF NORTH PROVIDENCE
2000 SMITH STREET
NORTH PROVIDENCE, RI

DRAWING TITLE:

GENERAL NOTES and LEGEND

DATE:	SCALE:
APRIL 2018	NO SCALE

DWG. NAME: 2250-C01-NOTE-R1.dwg

REVISIONS

NUMBER	REMARKS	DATE
1	STAGE	07/02/18

DRAWING NUMBER

C1

SHEET: 2 OF: 19

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1671 DOUGLAS AVENUE NORTH PROVIDENCE, RI

PREPARED FOR:

TOWN OF NORTH PROVIDENCE
2000 SMITH STREET
NORTH PROVIDENCE, RI

DRAWING TITLE:

AERIAL MAP

DATE:	SCALE:
APRIL 2018	1"=60'

DWG. NAME: 2250-C02-AERIAL-R1.dwg

REVISIONS

NUMBER	REMARKS	DATE
1	STAGE	07/02/18

DRAWING NUMBER

C2

SHEET: 3 OF: 19

MATCH LINE TO EXISTING CONDITIONS PLAN No. 2

PORTIONS OF A.P. 22
LOTS 852, 880, 974 AND 1468
N/F
TOWN OF NORTH PROVIDENCE

50' PERIMETER WETLAND

50' PERIMETER WETLAND

BENCHMARK:
MAG NAIL SET IN PAVEMENT
ELEV.=190.78
DATUM: NAVD-88

NAD 83

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

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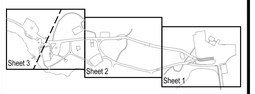
KEY PLAN



PROJECT TITLE:

PROPOSED AMPHITHEATER CAMP MEEHAN

1671 DOUGLAS AVENUE NORTH PROVIDENCE, RI

PREPARED FOR:

TOWN OF NORTH PROVIDENCE
2000 SMITH STREET
NORTH PROVIDENCE, RI

DRAWING TITLE:

EXISTING CONDITIONS PLAN No. 1

DATE:	*SCALE:*
APRIL 2018	1"=20'

DWG. NAME: 2250-C03-EXCN-R1.dwg

REVISIONS

NUMBER	*REMARKS*	*DATE*
1	STAGE	07/02/18

DRAWING NUMBER

C3.1

SHEET: 4 *OF:* 19

MATCH LINE TO EXISTING CONDITIONS PLAN No. 3

MATCH LINE TO EXISTING CONDITIONS PLAN No. 1

NAD 83

PORTIONS OF A.P. 22
LOTS 852, 880, 974 AND 1468
N/F
TOWN OF NORTH PROVIDENCE

50' PERIMETER WETLAND

#100 #101 #102 #103 #104 #105 #106 #107 #107A #108 #109 #110 #111 #112

Wetland Area

Gravel Path
Cluster
Grass/Crushed Stone
Edge of Road
SMH Rim=210.87
Crushed Stone
Gravel
Bit. Drive
Conc.
F.F.= 212.84
One-story Garage
PROPOSED PATH/ROAD (APPROX. LOCATION)
1 Dia Boulders (Typ.)
Ledge
Edge Of Pavement
Bit. Pavement
Wooden Guardrail
Playground w/Wood Chips
Swing Set
Beach Area
OHW
(Double)

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

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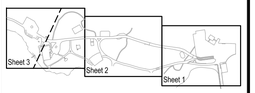


PROJECT TITLE:

PROPOSED AMPHITHEATER CAMP MEEHAN

1671 DOUGLAS AVENUE NORTH PROVIDENCE, RI

PREPARED FOR:

TOWN OF NORTH PROVIDENCE
2000 SMITH STREET
NORTH PROVIDENCE, RI

DRAWING TITLE:

EXISTING CONDITIONS PLAN No. 2

DATE:	*SCALE:*
APRIL 2018	1"=20'

DWG. NAME: 2250-C03-EXCN-R1.dwg

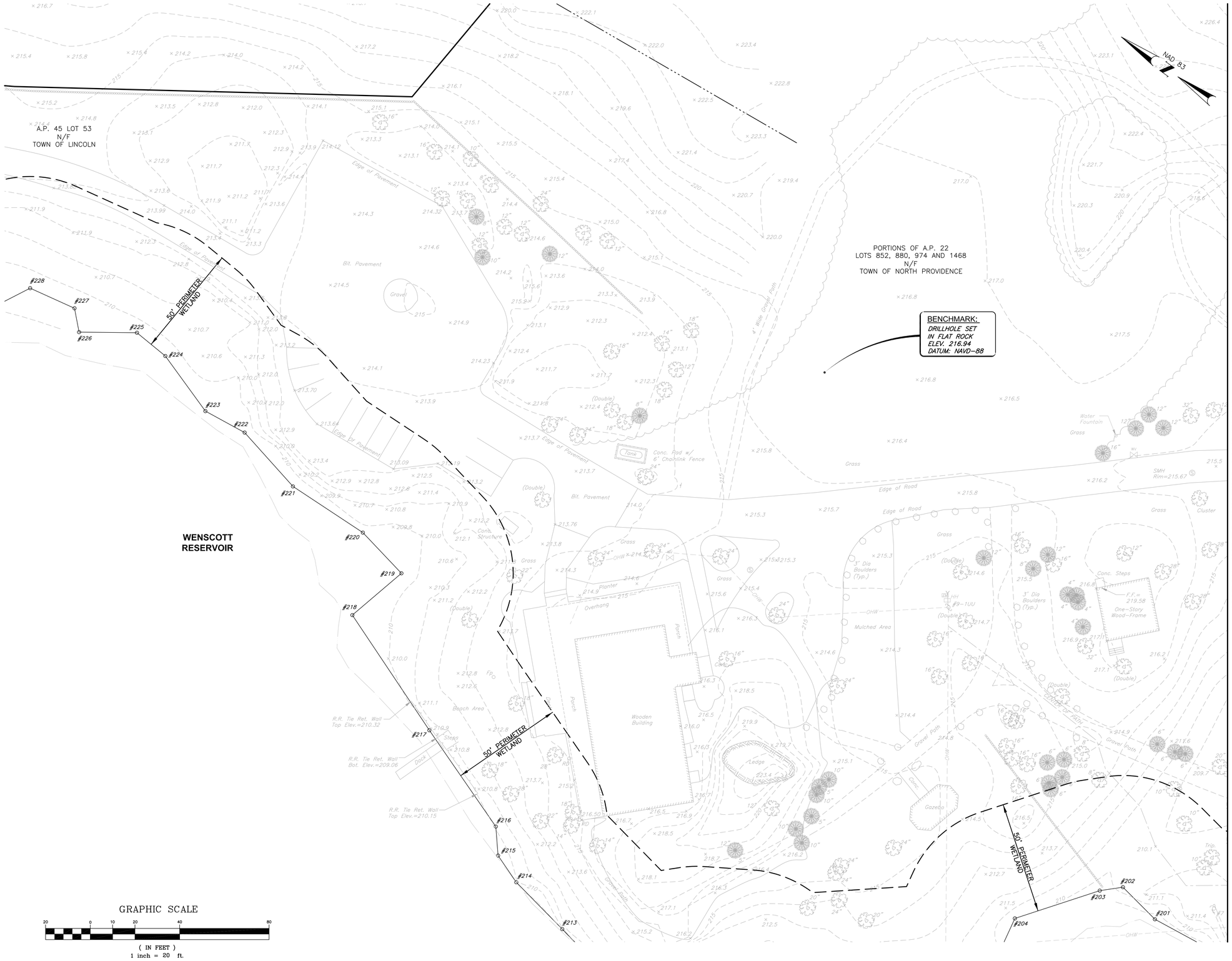
REVISIONS

NUMBER	*REMARKS*	*DATE*
1	STAGE	07/02/18

DRAWING NUMBER

C3.2

SHEET: 5 *OF:* 19



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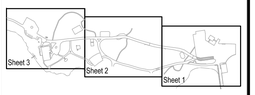


KEY PLAN

PROJECT TITLE:

PROPOSED AMPHITHEATER CAMP MEEHAN

1671 DOUGLAS AVENUE
NORTH PROVIDENCE, RI

PREPARED FOR:

TOWN OF NORTH PROVIDENCE
2000 SMITH STREET
NORTH PROVIDENCE, RI

DRAWING TITLE:

EXISTING CONDITIONS PLAN No. 3

DATE:	SCALE:
APRIL 2018	1"=20'

DWG. NAME: 2250-C03-EXCN-R1.dwg

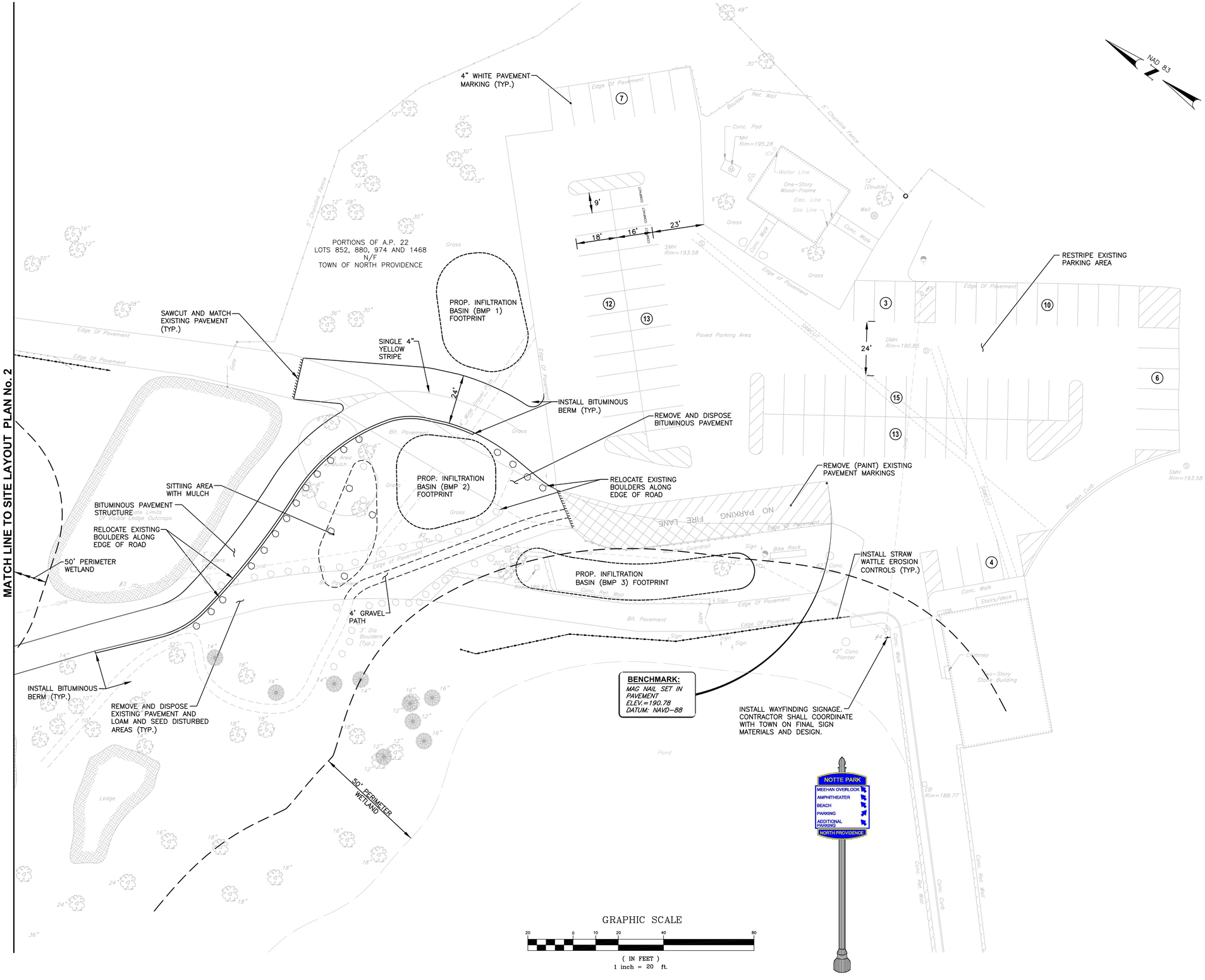
REVISIONS

NUMBER	REMARKS	DATE
1	STAGE	07/02/18

DRAWING NUMBER

C3.3

SHEET: 6 OF: 19



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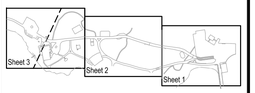
KEY PLAN



PROJECT TITLE:

PROPOSED AMPHITHEATER CAMP MEEHAN

1671 DOUGLAS AVENUE
NORTH PROVIDENCE, RI

PREPARED FOR:

TOWN OF NORTH PROVIDENCE
2000 SMITH STREET
NORTH PROVIDENCE, RI

DRAWING TITLE:

SITE LAYOUT PLAN No. 1

DATE:	*SCALE:*
APRIL 2018	1"=20'

DWG. NAME: 2250-C04-SITE-R1.dwg

REVISIONS

NUMBER	*REMARKS*	*DATE*
1	STAGE	07/02/18

DRAWING NUMBER

C4.1

SHEET: 7 *OF:* 19

MATCH LINE TO SITE LAYOUT PLAN No. 3

NOTTE PARK
MEEHAN OVERLOOK
AMPHITHEATER
BEACH
ADDITIONAL PARKING
NORTH PROVIDENCE

NAD 83

INSTALL WAYFINDING SIGNAGE. CONTRACTOR SHALL COORDINATE WITH TOWN ON FINAL SIGN MATERIALS AND DESIGN.

SAVE AND PROTECT EXISTING TREES

PROVIDE CROSSWALK STRIPING, 6" WHITE PAVEMENT MARKING (TYP.)

SAVE AND PROTECT EXISTING TREES

SAVE AND PROTECT EXISTING TREES

9' (TYP)

18' (TYP)

INSTALL STRAW WATTLE EROSION CONTROLS (TYP.)

SAVE AND PROTECT EXISTING TREE

PROVIDE ADDITIONAL PARKING SPACES ALONG EDGE OF ROAD (TYP.) (PERVIOUS PARKING AREA– TUFFTRACK PAVER OR APPROVED EQUAL)

REMOVE AND DISPOSE EXISTING TREE

INSTALL STRAW WATTLE EROSION CONTROLS (TYP.)

PROVIDE ADDITIONAL PARKING SPACES ALONG EDGE OF ROAD (TYP.) (PERVIOUS PARKING AREA– TUFFTRACK PAVER OR APPROVED EQUAL)

PROPOSED PATH/ROAD (APPROX. LOCATION)

PORTIONS OF A.P. 22
LOTS 852, 880, 974 AND 1468
N/F
TOWN OF NORTH PROVIDENCE

SAVE AND PROTECT EXISTING TREE

INSTALL STRAW WATTLE EROSION CONTROLS (TYP.)

PROVIDE ADDITIONAL PARKING SPACES ALONG EDGE OF ROAD (TYP.) (PERVIOUS PARKING AREA– TUFFTRACK PAVERS OR APPROVED EQUAL)

50' PERIMETER WETLAND

#100 #101 #102 #103 #104 #105 #106 #107 #107A #108 #109 #110 #111 #112

Wetland Area

SAWCUT AND MATCH EXISTING PAVEMENT (TYP.)

BITUMINOUS PAVEMENT STRUCTURE

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

MATCH LINE TO SITE LAYOUT PLAN No. 1

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KEY PLAN

Sheet 3 Sheet 2 Sheet 1

PROJECT TITLE:

PROPOSED AMPHITHEATER CAMP MEEHAN

1671 DOUGLAS AVENUE NORTH PROVIDENCE, RI

PREPARED FOR:

TOWN OF NORTH PROVIDENCE
2000 SMITH STREET
NORTH PROVIDENCE, RI

DRAWING TITLE:

SITE LAYOUT PLAN No. 2

DATE:	SCALE:
APRIL 2018	1"=20'

DWG. NAME: 2250–C04–SITE–R1.dwg

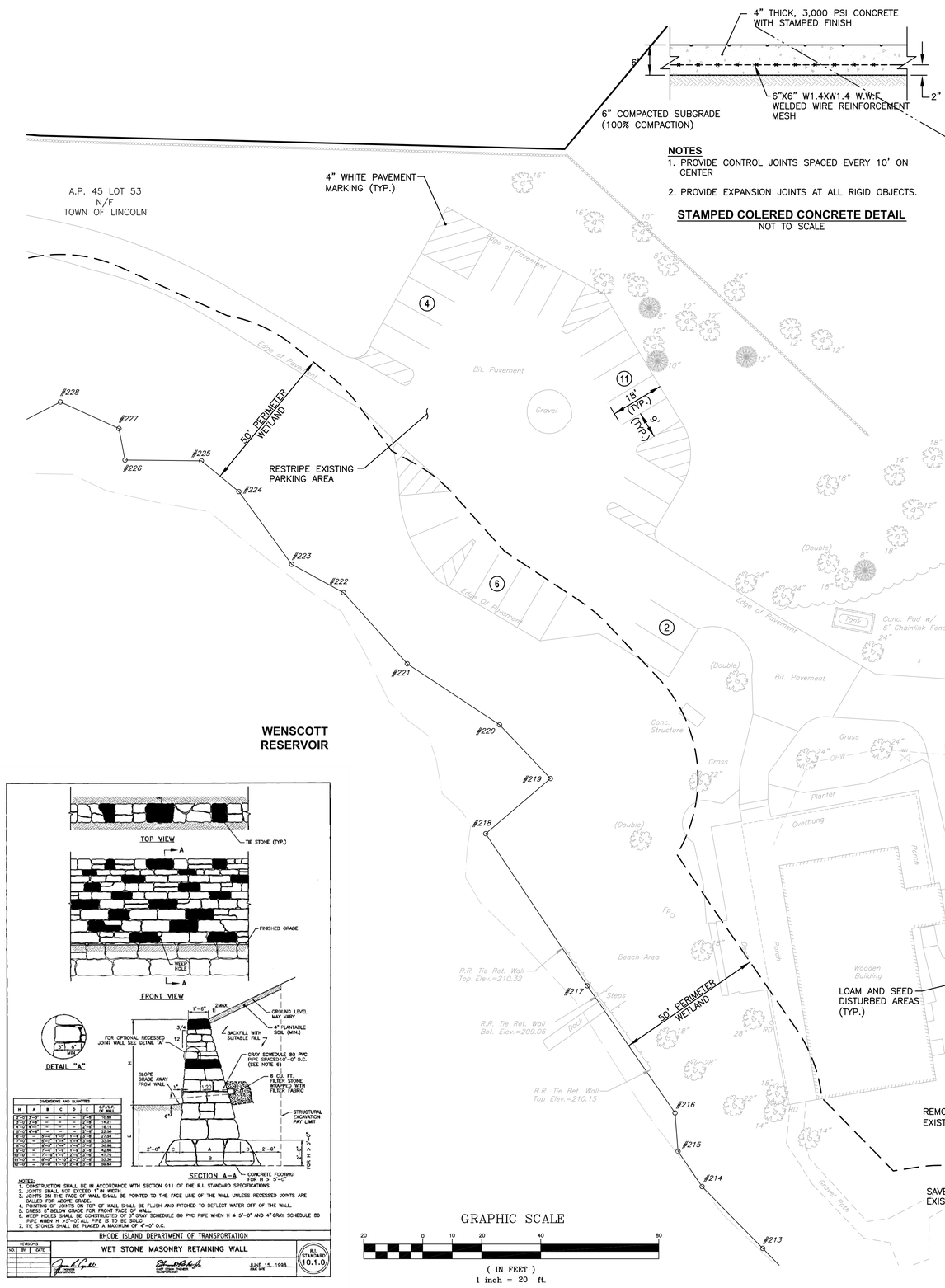
REVISIONS

NUMBER	REMARKS	DATE
1	STAGE	07/02/18

DRAWING NUMBER

C4.2

SHEET: 8 OF: 19



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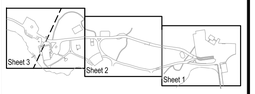
KEY PLAN



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1671 DOUGLAS AVENUE NORTH PROVIDENCE, RI

PREPARED FOR:

TOWN OF NORTH PROVIDENCE
2000 SMITH STREET
NORTH PROVIDENCE, RI

DRAWING TITLE:

SITE LAYOUT PLAN No. 3

DATE:	SCALE:
APRIL 2018	1"=20'

DWG. NAME: 2250-C04-SITE-R1.dwg

REVISIONS

NUMBER	REMARKS	DATE
1	STAGE	07/02/18

DRAWING NUMBER

C4.3

SHEET: 9 OF: 19

MATCH LINE TO GRADING PLAN No. 2

PROP. INFILTRATION BASIN (BMP 1)

PORTIONS OF A.P. 22
LOTS 852, 880, 974 AND 1468
N/F
TOWN OF NORTH PROVIDENCE

PROP. CB
RIM=197.83
INV. IN=194.00
INV. OUT=192.50

PROP. CB
RIM=198.50
INV. (OUT)=194.50

PROP. RIP RAP

FE
INV. OUT=191.00

25'-12"D
S=0.06'/FT.

SAWCUT AND MATCH EXISTING PAVEMENT (TYP.)

36'-12"D
S=0.01'/FT.

11'-12"D
S=0.046'/FT.

96'-12" D
S=0.024'/FT.

PROP. OUTLET STRUCTURE
RIM=192.00
INV. OUT=187.00

PROP. OUTLET STRUCTURE
RIM=192.00
INV. OUT=187.00

PROP. CB
RIM=194.50
INV. OUT=191.36

PROP. INFILTRATION BASIN (BMP 3)

PROP. RIP RAP

50' PERIMETER WETLAND

FE
INV. OUT=191.00

PROP. INFILTRATION BASIN (BMP 2)

6' MIN.

50' PERIMETER WETLAND

209.75

ROUGH EXCAVATION/LEDGE REMOVAL TO BE PERFORMED BY THE TOWN AND EXCLUDED FROM THE BASE BID.

REBUILD EXIST. STRUCTURE
RIM=189.00
INV. IN (12"NE)=184.70
INV. IN (12"N)=184.90
INV. IN (15"EXIST)=184.70
INV. OUT (15"EXIST)=184.50

BENCHMARK:
MAG NAIL SET IN PAVEMENT
ELEV.=190.78
DATUM: NAVD-88

NOTE:

NO SIDESLOPE SHALL BE STEEPER THAN 3:1 AND ALL DISTURBED AREAS SHALL RECIEVE 4" LOAM AND SEED.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

NAD 83

- Civil
- Transportation
- Environmental
- Site Planning
- Surveying
- Permitting
- Landscape Architecture

CROSSMAN ENGINEERING

Rhode Island
151 Centerville Road
Warwick, RI 02886
Phone: (401) 738-5660

Massachusetts
103 Commonwealth Avenue
North Attleboro, MA 02763
Phone: (508) 695-1700

Email: cel@crossmaneng.com

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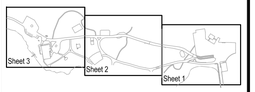
KEY PLAN



PROJECT TITLE:

PROPOSED AMPHITHEATER CAMP MEEHAN

1671 DOUGLAS AVENUE
NORTH PROVIDENCE, RI

PREPARED FOR:

TOWN OF NORTH PROVIDENCE
2000 SMITH STREET
NORTH PROVIDENCE, RI

DRAWING TITLE:

GRADING PLAN No. 1

DATE:	SCALE:
DECEMBER 2017	1"=20'

DWG. NAME: 2250-C05-GRADE-R1.dwg

REVISIONS

NUMBER	REMARKS	DATE
1	STAGE	07/02/18

DRAWING NUMBER

C5.1

SHEET: 10 OF: 19

MATCH LINE TO GRADING PLAN No. 3

MATCH LINE TO GRADING PLAN No. 1

NAD 83

PORTIONS OF A.P. 22
LOTS 852, 880, 974 AND 1468
N/F
TOWN OF NORTH PROVIDENCE

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

- Civil
- Transportation
- Environmental
- Site Planning
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- Landscape Architecture

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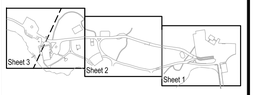
KEY PLAN



PROJECT TITLE:

PROPOSED AMPHITHEATER CAMP MEEHAN

1671 DOUGLAS AVENUE NORTH PROVIDENCE, RI

PREPARED FOR:

TOWN OF NORTH PROVIDENCE
2000 SMITH STREET
NORTH PROVIDENCE, RI

DRAWING TITLE:

GRADING PLAN No. 2

DATE:	*SCALE:*
DECEMBER 2017	1"=20'

DWG. NAME: 2250-C05-GRADE-R1.dwg

REVISIONS

NUMBER	*REMARKS*	*DATE*
1	STAGE	07/02/18

DRAWING NUMBER

C5.2

SHEET: 11 *OF:* 19

A.P. 45 LOT 53
N/F
TOWN OF LINCOLN

PORTIONS OF A.P. 22
LOTS 852, 880, 974 AND 1468
N/F
TOWN OF NORTH PROVIDENCE

NAD 83

BENCHMARK:
DRILLHOLE SET IN FLAT ROCK
ELEV. 216.94
DATUM: NAVD-88

WENSCOTT RESERVOIR

50' PERIMETER WETLAND

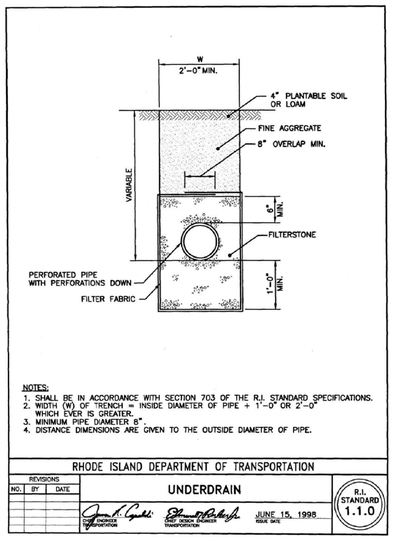
#228 #227 #229 #226 #225 #224 #223 #222 #221 #220 #219 #218 #217 #216 #215 #214 #213

#202 #203 #204 #201

Edge of Pavement
Bit. Pavement
Gravel
Conc. Pad w/ 6' Chainlink Fence
Tank
Edge of Road
Grass
Water Fountain
SMH Rim=215.67
Overhang
Porch
Wooden Building
Beach Area
Steps
Dock
Ledge
Drywell
Catch Basin
Conc. Structure
Planter
One-Story Wood-Frame
F.F.=219.58
R.R. Tie Ret. Wall Top Elev.=210.32
R.R. Tie Ret. Wall Bot. Elev.=209.06
R.R. Tie Ret. Wall Top Elev.=210.15
4' Wide Gravel Path

UTILITY POLE TO REMAIN
STRAW WATTLE OR EQUAL
UNDERDRAIN SLOPE=1% MIN.
0.8'± HIGH STONE WALL
4"UD INV=214.50
4"UD INV =213.70
4"D INV=213.00
4"D INV=212.00
2' REVEAL
GRADE TO DRAIN (TYP.)
STAGE F.F. ELEV.=217.50
FRONT
REAR
50' PERIMETER WETLAND

MATCH LINE TO GRADING PLAN No. 2



NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 703 OF THE R.I. STANDARD SPECIFICATIONS.
2. WIDTH (W) OF TRENCH = INSIDE DIAMETER OF PIPE + 1'-0" OR 2'-0" WHICH EVER IS GREATER.
3. MINIMUM PIPE DIAMETER 8".
4. DISTANCE DIMENSIONS ARE GIVEN TO THE OUTSIDE DIAMETER OF PIPE.

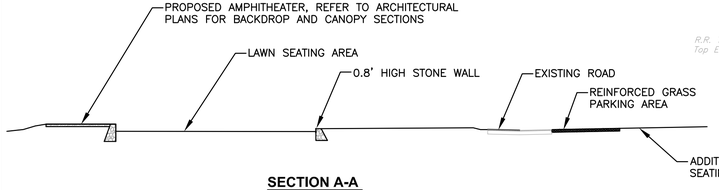
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS NO.	BY	DATE

UNDERDRAIN

CHIEF ENGINEER OPERATIONS — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 1.1.0



SECTION A-A
SCALE 1"=20'

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

NOTE:
STAGE SHALL BE SLOPED 2% FROM BACK TO FRONT.

• Civil
• Transportation
• Environmental
• Site Planning
• Surveying
• Permitting
• Landscape Architecture

CROSSMAN ENGINEERING

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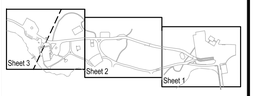
KEY PLAN



PROJECT TITLE:

PROPOSED AMPHITHEATER CAMP MEEHAN

1671 DOUGLAS AVENUE NORTH PROVIDENCE, RI

PREPARED FOR:

TOWN OF NORTH PROVIDENCE
2000 SMITH STREET
NORTH PROVIDENCE, RI

DRAWING TITLE:

GRADING PLAN No. 3

DATE: DECEMBER 2017
SCALE: 1"=20'
DWG. NAME: 2250-C05-GRADE-R1.dwg

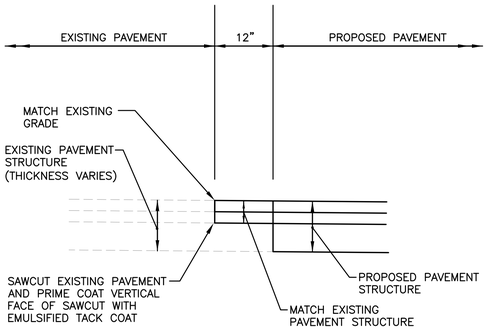
REVISIONS

NUMBER	REMARKS	DATE
1	STAGE	07/02/18

DRAWING NUMBER

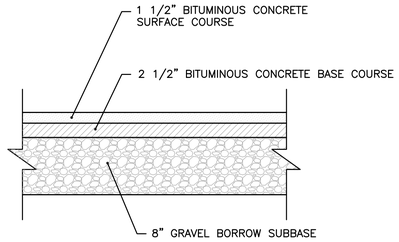
C5.3

SHEET: 12 *OF:* 19



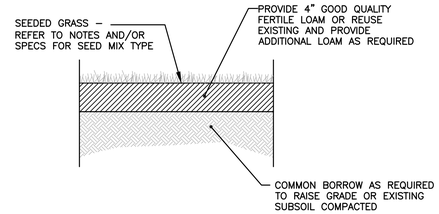
PROPOSED PAVEMENT MATCH AT EXISTING PAVEMENT

NOT TO SCALE



TYPICAL BITUMINOUS PAVEMENT STRUCTURE DETAIL

NOT TO SCALE



NOTE

THE CONTRACTOR WILL BE RESPONSIBLE FOR WATERING LAWN DURING THE COURSE OF THE GROWING SEASON FOR A PERIOD OF ONE (1) YEAR.

LOAM-SEED DETAIL

NOT TO SCALE

SEEDING NOTES

1. LOAM SHALL BE SPREAD TO A MINIMUM DEPTH OF 4" OVER ALL AREAS DESIGNATED ON PLANS.
2. SHAPE AND SMOOTH THE SURFACE TO THE LINES AND GRADES AS SHOWN ON PLANS.
3. FERTILIZE WITH 10–10–10 OR EQUIVALENT ANALYSIS. AT LEAST 40% OF THE FERTILIZER NITROGEN SHALL BE IN A SLOW RELEASE FORM. INCORPORATE THE FERTILIZER INTO THE TOP 3 TO 4 INCHES OF THE PLANTING SOIL. APPLY AT THE RATE OF 8 POUNDS PER 1,000 SQUARE FEET AT SEEDING.
4. LIME: SPREAD EVENLY AND WORK INTO THE SOIL DURING PREPARATION OF SEED BED AT THE RATE OF ONE TON PER ACRE. INCORPORATE INTO THE SOIL BY DICING OR OTHER APPROVED METHOD. DISTRIBUTE LIME UNIFORMLY AND WORK INTO TOP 4 INCHES OF TOP SOIL (MINIMUM) AND UNIFORMLY BLEND BY DICING OR ROTOTILLING.
5. APPLICATION OF SEED:
   A. RATE OF APPLICATION OF SEED SHALL BE AS INDICATED ON PLANS.
   B. SEEDING SHALL BE DONE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS, AND ONLY DURING THE FOLLOWING DATES:
      SPRING SEEDING: APRIL 1 TO JUNE 1
      FALL SEEDING: AUGUST 15 TO OCTOBER 15
   C. THE CONTRACTOR SHALL KEEP ALL SEEDED AREAS WATERED AND IN GOOD CONDITION, RESEEDING IF AND WHEN NECESSARY FOR AN 8 WEEK PERIOD OR UNTIL A GOOD, HEALTHY, UNIFORM GROWTH IS ESTABLISHED OVER THE ENTIRE AREA. THE CONTRACTOR SHALL ALSO MAINTAIN THESE AREAS IN AN APPROVED CONDITION UNTIL PROVISIONAL ACCEPTANCE.
   D. DURING THIS PERIOD, WATER TURF AS NECESSARY TO MAINTAIN AN ADEQUATE SUPPLY OF MOISTURE WITHIN THE ROOT ZONE. AN ADEQUATE SUPPLY OF MOISTURE IS EQUIVALENT OF ONE INCH OF ABSORBED WATER PER WEEK THAT IS DELIVERED AT WEEKLY INTERVALS IN THE FORM OF NATURAL RAIN OR IS AUGMENTED AS REQUIRED BY PERIODIC WATERING.
   E. OVERSEED WHEN NECESSARY TO PROMOTE GRASS GROWTH.
   F. REPLANT AREAS VOID OF TURF ONE SQUARE FOOT OR LARGER.
   G. SEED:
      a. SEED ALL AREAS DESIGNATED ON PLAN AS WELL AS ALL DISTURBED EXISTING MOWED AREAS WITH THE FOLLOWING SEED MIX: (REFER TO MISCELLANEOUS DETAIL SHEET NO. 2 FOR INFILTRATION BASIN SEED MIX– SEED MIX NO. 2 AND SLOPE SEED MIX– SEED MIX NO. 3.)

SEED MIX NO. 1

(ENDOPHYTE SEED MIX)
(MOWED AREAS)

TYPE	% BY WEIGHT
IMPROVED PERENNIAL RYE	30
IMPROVED KENTUCKY BLUE CGT	25
IMPROVED KENTUCKEY BLUE CBT	25
CHEWINGS FESCE	20

APPLICATION RATE = 5–8 lbs. / 1,000 sf

DUST CONTROL NOTES

ON AN AS–NEEDED BASIS OR AS DIRECTED BY THE TOWN, THE CONTRACTOR SHALL UTILIZE ONE OF THE FOLLOWING METHODS TO CONTROL DUST:

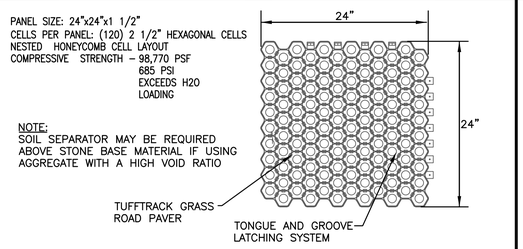
A. THE EXPOSED SOIL SURFACE SHOULD BE MOISTENED PERIODICALLY WITH ADEQUATE WATER TO CONTROL DUST.

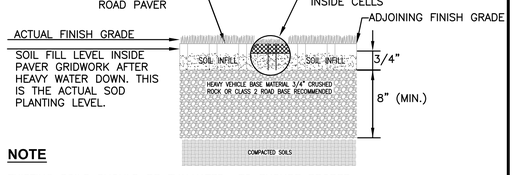
B. CALCIUM CHLORIDE SHOULD BE EITHER LOOSE DRY GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH A SPREADER AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE.

THE METHODS SHOULD BE REPEATED AS NEEDED, AND SPECIAL ATTENTION MUST BE GIVEN TO THE ACCESS DRIVES.

EROSION CONTROL AND SOIL STABILIZATION PROGRAM

1. PRIOR TO COMMENCING EARTHWORK, STRAW WATTLE SHALL BE PLACED INSIDE SAWCUT EDGE AND DOWNGRADIENT LIMIT OF DISTURBANCE TO PREVENT SEDIMENT FROM ENTERING EXISTING DRAINAGE SYSTEM AND WETLANDS.
2. ALL DISTURBED AREAS WHICH BECOME SUBJECT TO EROSIVE TENDENCIES WHETHER THEY BE NEWLY FILLED OR EXCAVATED SHALL RECEIVE SLOPE PROTECTION – SUCH AS RIP–RAP.
3. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING PERIODS OF RAINFALL.
4. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION CONTROL MAINTENANCE AND SHALL INSPECT / REPLACE DAILY DURING CONSTRUCTION, FOLLOWING RAINFALL AND WEEKLY DURING NON CONSTRUCTION PERIODS.
5. ADDITIONAL STRAW WATTLE OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER.
6. THE LATEST VERSION OF THE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE R.I. STATE CONSERVATION COMMITTEE, MUST BE UTILIZED BY THE CONTRACTOR AS A GUIDE.
7. THE CONTRACTOR IS RESPONSIBLE FOR ALL DUST CONTROL AND FOR THE ENTIRE PROJECT DURATION, INCLUDING TEMPORARY SHUT–DOWN PERIODS, MUST MONITOR AND REPAIR, AS NEEDED, ALL SLOPES TO ENSURE A STABLE PRODUCT.
8. IF SEDIMENT OR DEBRIS IS TRACKED ONTO EXISTING PAVED AREAS ADJACENT TO THE CONSTRUCTION AREA, THE CONTRACTOR IS REQUIRED TO SWEEP THE PAVEMENT ON A DAILY BASIS. THE AREA SHALL BE INSPECTED DAILY.
9. THE CONTRACTOR IS RESPONSIBLE TO KEEP THE SITE CLEAN OF TRASH. RECOMMENDED DAILY PATROL OF THE CONSTRUCTION SHOULD BE CONDUCTED TO PICK–UP TRASH.
10. TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW, OR FIBER MULCH PROTECTIVE COVERS, SUCH AS A MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, EXCELSIOR BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE OWNER.
11. HAY OR STRAW APPLICATIONS SHALL BE IN THE AMOUNT OF 3,000–4,000 LBS/ACRE.
12. STOCKPILES SHALL HAVE NO SLOPE STEEPER THAN 2:1 AND SHALL BE SURROUNDED BY STRAW WATTLE.
13. STOCKPILES EXPOSED FOR EXCESSIVE PERIODS SHALL RECEIVE TEMPORARY TREATMENT CONSISTING OF HAY, STRAW OR FIBER MATTING.
14. ALL EXISTING AND PROPOSED CATCH BASINS ADJACENT TO THE CONSTRUCTION AREA SHALL BE PROTECTED BY SILT SACKS.
15. THE STRAW WATTLE MAY BE INSTALLED ON THE EXISTING PAVEMENT /IMPERVIOUS AREAS WITH OUT STAKES. CONTRACTOR SHALL INSPECT DAILY, IF SOIL EROSION OR SEDIMENT IS OBSERVED IN THESE AREAS, THE CONTRACTOR SHALL RELOCATE OR INSTALL ADDITIONAL STRAW WATTLE IN LOCATIONS THAT CAN BE STAKED.
16. SILT FENCE OR STAKED HAYBALES MAY BE USED IN LIEU OF STRAW WATTLE.



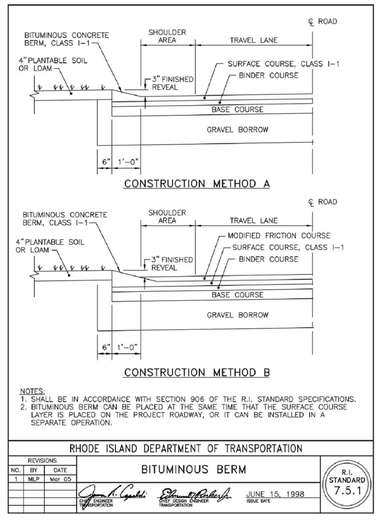


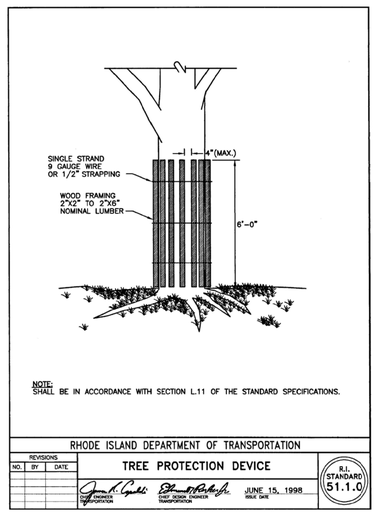
NOTE

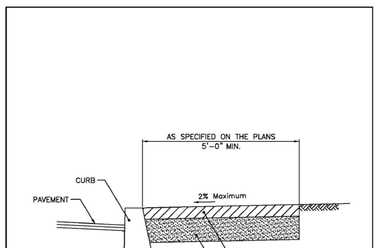
EXISTING SOILS SHOULD BE EVALUATED TO ENSURE PROPER STRUCTURAL AND PERMEABILITY PROPERTIES.

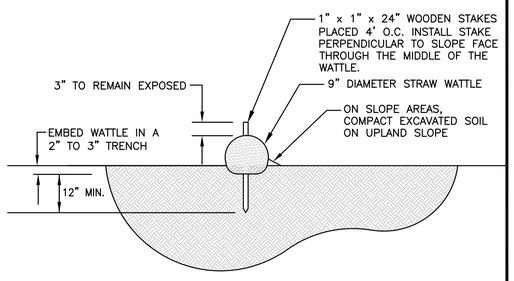
TYPICAL TUFFTRACK PAVER DETAIL (HEAVY VEHICLE OR FIRE ACCESS ROAD)

NOT TO SCALE







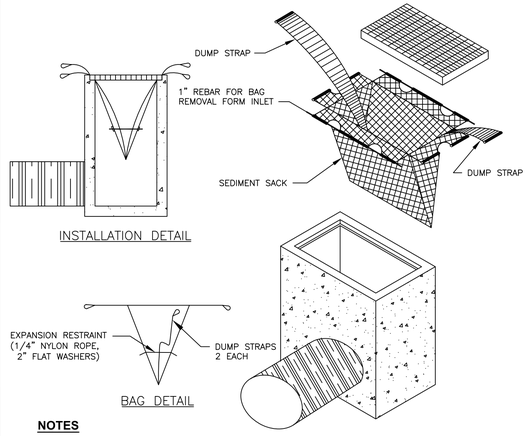


NOTES

1. INSTALLATION OF THE STRAW WATTLE SHALL CONFORM TO ALL THE MANUFACTURER'S RECOMMENDATIONS. AN "OR EQUAL" PRODUCT MUST BE APPROVED BY THE ENGINEER OR OWNER PRIOR TO CONSTRUCTION.
2. A COMPOST FILTER SOCK CAN BE USED AS AN ACCEPTABLE 'OR EQUAL". THE COMPOST FILTER SOCK SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE RHODE ISLAND STANDARD SPECIFICATIONS.

STRAW WATTLE DETAIL

NOT TO SCALE



NOTES

1. INSTALL SILT SACK AT CATCH BASINS IN VICINITY OF CONSTRUCTION.
2. CONTRACTOR SHALL SUBMIT SILT SACK PRODUCT TO ENGINEER FOR APPROVAL.

TYPICAL SILT SACK DETAIL

NOT TO SCALE

• Civil
• Transportation
• Environmental
• Site Planning
• Surveying
• Permitting
• Landscape Architecture

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KEY PLAN

PROJECT TITLE:

PROPOSED AMPHITHEATER CAMP MEEHAN

1671 DOUGLAS AVENUE NORTH PROVIDENCE, RI

PREPARED FOR:

TOWN OF NORTH PROVIDENCE
2000 SMITH STREET
NORTH PROVIDENCE, RI

DRAWING TITLE:

MISCELLANEOUS DETAIL PLAN No. 1

DATE:	*SCALE:*
APRIL 2018	NO SCALE

DWG. NAME: 2250–C06–DETAIL1–R1.dwg

REVISIONS

NUMBER	*REMARKS*	*DATE*
1	STAGE	07/02/18

DRAWING NUMBER

C6

SHEET: 13 *OF:* 19

EMBANKMENT NOTES:

1. THE INFILTRATION BASIN EMBANKMENTS ARE TO BE CONSTRUCTED WITH APPROVED COMMON BORROW. NO SOIL/ROCK GRATER THAN 2" SHALL BE UTILIZED. COMMON BORROW SHALL MEET OR EXCEED AN IN-PLACE DENSITY OF 100 lb./cf. ALL MATERIAL SHALL BE PLACED IN 8 TO 12 INCH LIFTS AND COMPACTED TO 95% MAXIMUM DENSITY. FILL MATERIAL WILL NOT CONTAIN FROZEN MATERIALS OR BE PLACED ON FROZEN SURFACES. COMMON BORROW SHALL MEET SPECIFICATION SECTION 202.20 IN THE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2013 EDITION.
2. UPON COMPLETION OF CLEARING AND GRUBBING OPERATIONS, THE EMBANKMENT AREAS ARE TO BE EXCAVATED. IF ANY ORGANIC OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR REVIEW OF EXCAVATION AREA. THE DEPTH OF EXCAVATION WILL BE DETERMINED BY THE ENGINEER BASED UPON THE LOCAL CONDITIONS. NO FILL MATERIAL SHALL BE PLACED UNTIL THE FOUNDATION PREPARATION HAS BEEN COMPLETED. ALL WATER SHALL BE REMOVED FROM THE FOUNDATION PRIOR TO PLACING THE EMBANKMENT.
3. THE FILL MATERIAL MUST BE SPREAD IN UNIFORM LAYERS AND FALL WITHIN THE SPECIFIED OPTIMUM WATER CONTENT RANGE IN ORDER TO ACHIEVE THE REQUIRED COMPACTION. EACH LAYER IS TO BE COMPACTED PRIOR TO LAYING AN ADDITIONAL LAYER. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER HIS SELECTED METHOD OF COMPACTION, COMPACTION EQUIPMENT AND THE SEQUENCE OF OPERATIONS NECESSARY TO OBTAIN THE REQUIRED DENSITY. THE WATER CONTENT AT COMPACTION SHOULD BE IN THE RANGE BETWEEN ONE PERCENTAGE POINT BELOW AND TWO PERCENTAGE POINTS ABOVE STANDARD AASHTO OPTIMUM WATER CONTENT. THE MATERIAL SHALL BE PROCESSED TO A UNIFORM WATER CONTENT BY ADDING WATER TO THE MATERIAL IN ADVANCE OF THE FILL PLACEMENT.
4. BACKFILL MATERIAL AROUND STRUCTURES AND PIPE IS TO BE PLACED TO PREVENT THE MOVEMENT OF WATER. THE OPTIMUM WATER CONTENT MUST BE MAINTAINED IN THE SAME RANGE AS IN THE EMBANKMENT. THE BACKFILL MUST BE PLACED IN LAYERS LESS THAN 4 INCHES IN THICKNESS AND DISTRIBUTED UNIFORMLY AROUND THE STRUCTURE/PIPE. ALL COMPACTION WILL BE TO 95% MAXIMUM DENSITY AND MAY REQUIRE HAND TAMPERS OR SMALL POWER EQUIPMENT.
5. EMBANKMENT DAMAGE COMMONLY RESULTS FROM IMPROPER CONSTRUCTION OF CONDUIT AND STRUCTURAL BACKFILL WITHIN THE EMBANKMENT BECAUSE SEEPAGE WILL OCCUR WITH IMPROPER BACKFILL AND COMPACTION. THEREFORE, STRUCTURES AND PIPES ARE TO BE CONSTRUCTED AS THE EMBANKMENT CONSTRUCTION RISES TO THE RESPECTIVE PIPE OR STRUCTURE. THIS WILL PREVENT THE DISTURBANCE OF CONSTRUCTED EMBANKMENT MATERIAL. PIPES FROM THE OUTLET STRUCTURE TO THE OUTFALL SHALL HAVE AN ANTI-SEEP COLLAR.

DRAINAGE NOTES

1. CONTRACTOR TO VERIFY THAT ALL STRUCTURES ARE COMPATIBLE WITH FRAME AND GRATE.
2. CONTRACTOR IS RESPONSIBLE TO OBTAIN SHOP DRAWINGS AND SPECIFICATIONS FOR ALL DRAINAGE RELATED ITEMS FOR REVIEW AND APPROVAL BY THE ENGINEER, PRIOR TO ORDERING. CONCRETE MANUFACTURER SHALL REVIEW RIM TO TOP OF PIPE ELEVATIONS AND PROVIDE SPECIFIC DETAILS.
3. ALL STRUCTURES SHALL BE DESIGNED FOR H-20 LOADING.
4. ALL CATCH BASINS SHALL BE PRECAST CONCRETE WATER TIGHT STRUCTURES. (NO WEEP HOLES)
5. UNLESS OTHERWISE NOTED, ALL SOLID DRAINAGE PIPE SHALL BE ADS N-12 HDPE OR APPROVED EQUAL. PIPE BEDDING SHALL BE IN CRUSHED STONE OR GRAVEL BORROW COMPACTED TO 95% DRY DENSITY (MODIFIED PROCTOR METHOD). ADS PIPE SHALL BE INSTALLED ACCORDING TO MANUFACTURERS' REQUIREMENTS.

TOPSOIL MIX FOR BASINS

PLANTING SOIL SHALL MEET THE BELOW COMPOSITION;

SAND: 85-88%
SOIL FINES: 8-12% (NO MORE THAN 2% CLAY)
ORGANIC MATTER: 3-5%

GRASS SWALE AND INFILTRATION BASIN SEED MIX (SEED MIX NO. 2)

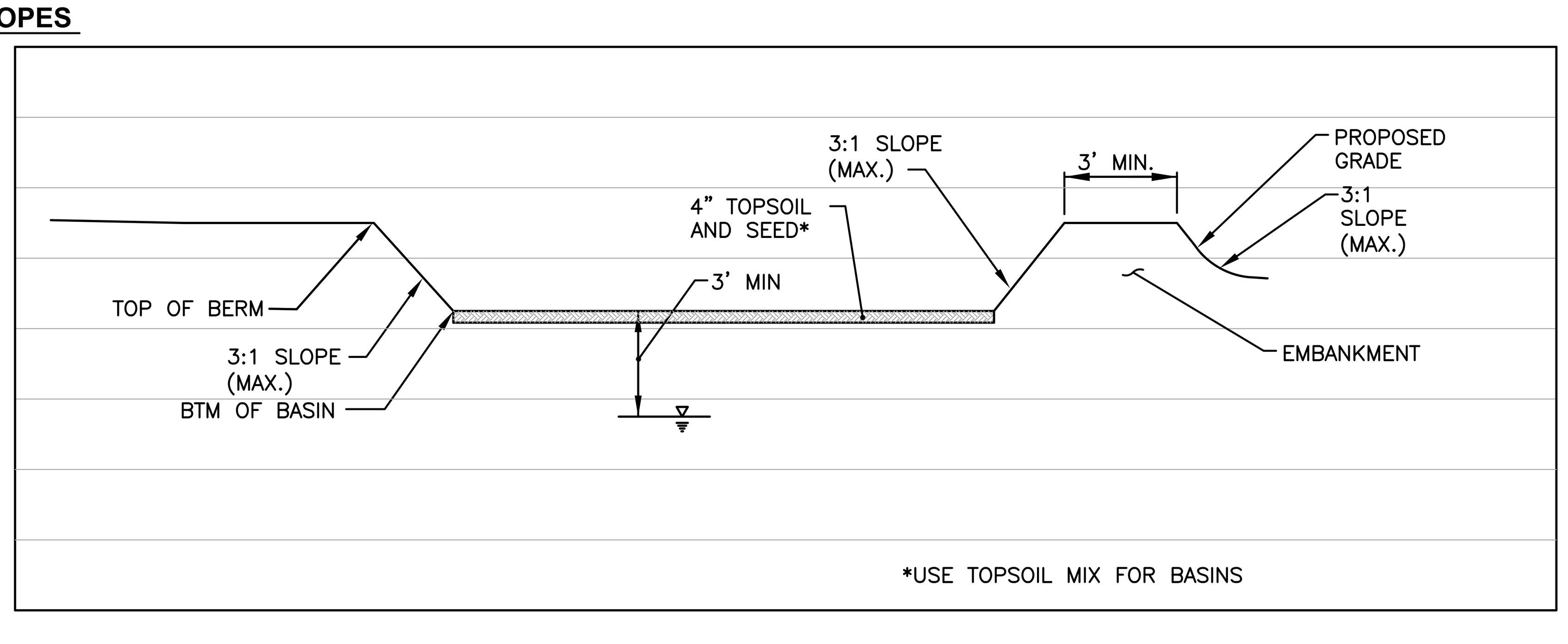
APPLICATION RATE = 15-25 LBS. / ACRE
(SEASONALLY FLOODED MIX)
(SAND FILTER BOTTOM AREA)

20% FOX SEDGE, PA ECOTYPE (CAREX VULPINOIDEA, PA ECOTYPE)
16% VIRGINIA WILD RYE, PA ECOTYPE (ELYMUS VIRGINICUS, PA ECOTYPE)
15% RIVERBANK WILD RYE, PA ECOTYPE (ELYMUS RIPARIUS, PA ECOTYPE)
15% JAPANESE MILLET (ECHINOCHLOA CRUSGALLI VAR. FRUMENTACEA)
15% DEER TONGUE, 'TIOGA' (PANICUM CLANDESTINUM (DICHANTHELIUM C.), 'TIOGA')
9% BLUNT BROOM SEDGE, PA ECOTYPE (CAREX SCOPARIA, PA ECOTYPE)
5% SWITCHGRASS, 'CAVE-IN-ROCK' (PANICUM VIRGATUM, 'CAVE-IN-ROCK')
2% GREEN BULRUSH, PA ECOTPE (SCIRPUS ATROVIRENS, PA ECOTYPE)
2% AWL SEDGE, PA ECOTYPE (CAREX STIPATA, PA ECOTYPE)
1% AUTUMN BENTGRASS, APB (AGROSTIS PERENNANS, APB)

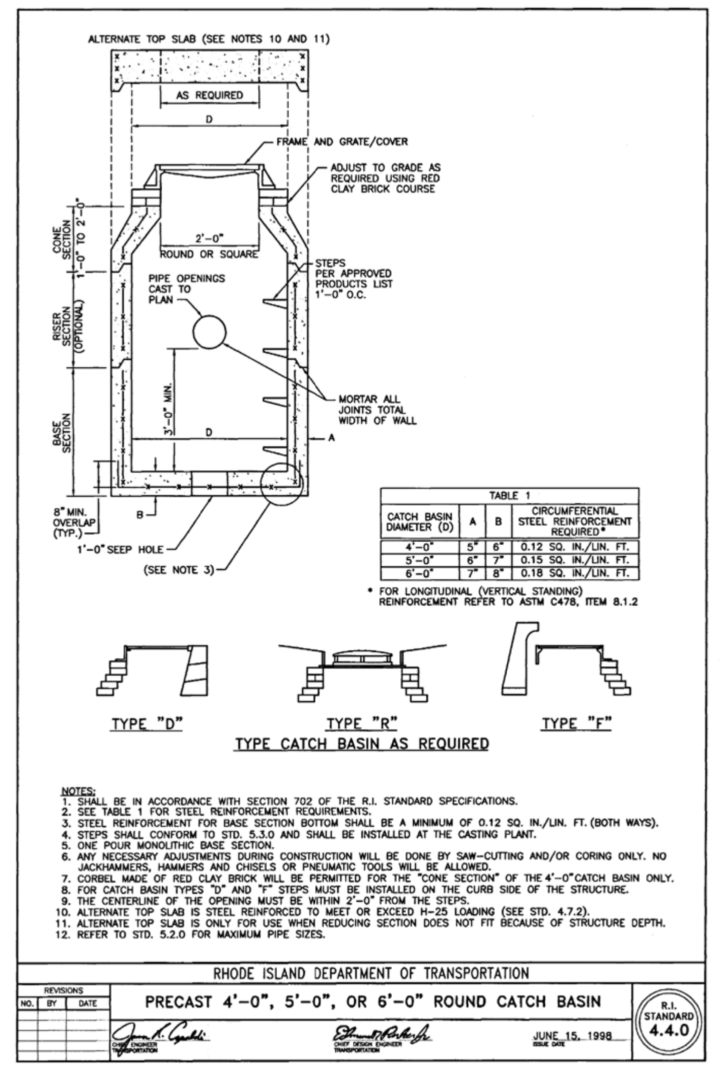
SLOPE MIX/INFILTRATION BASIN SLOPES (SEED MIX NO. 3)

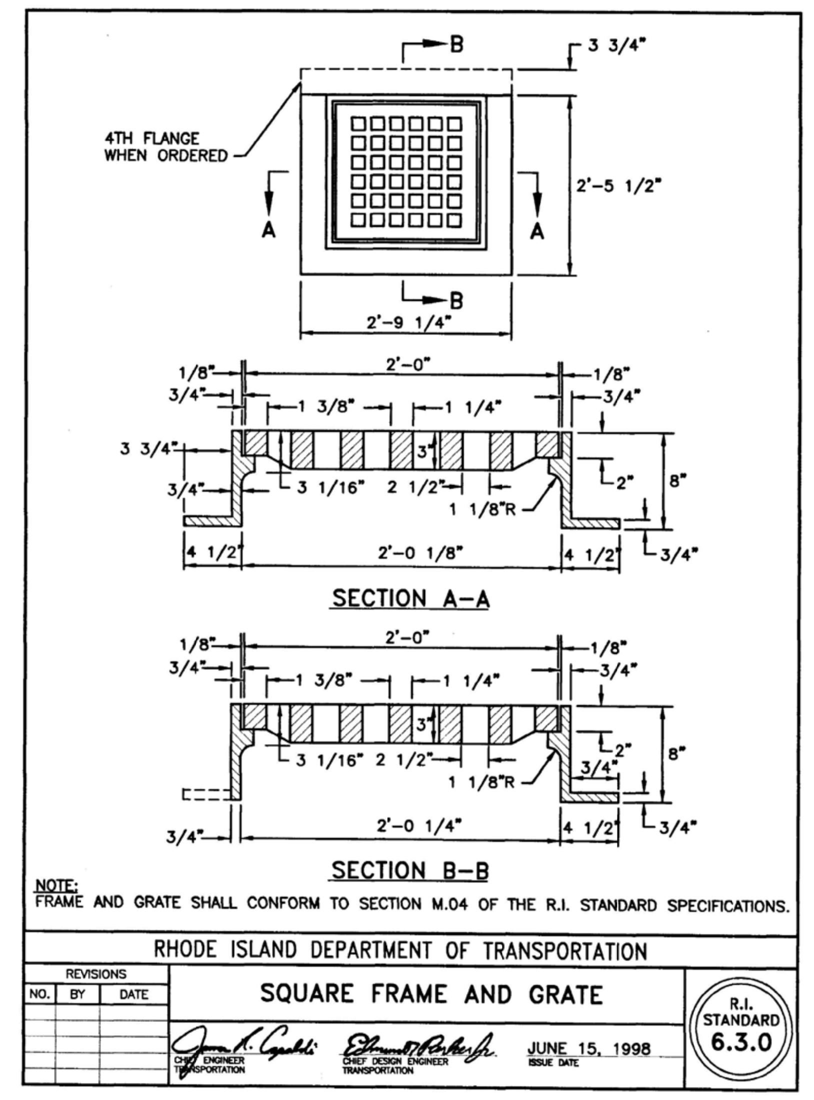
APPLICATION RATE= 5 - 8 # PER 1000 S.F.

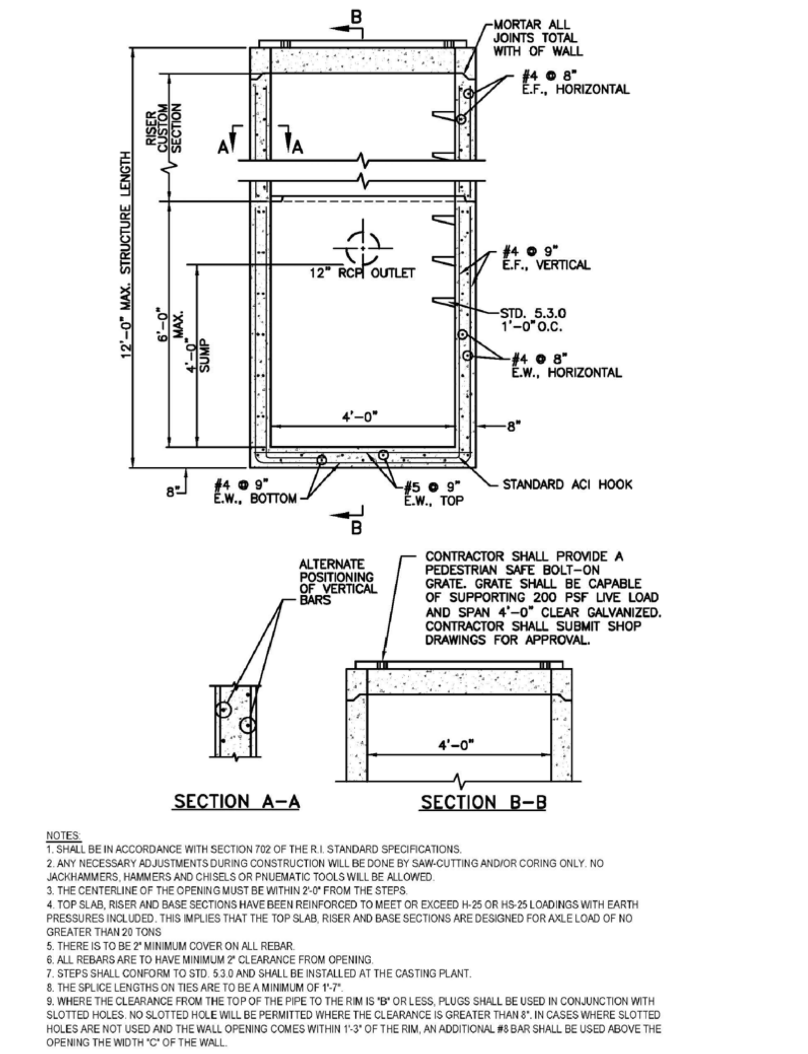
60% CREEPING RED FESCUE
15% BIRDSFOOT TREFOIL
15% IMPROVED PERENNIAL RYE
6% LANCE-LEAVED COREOPSIS
2% OXEYE DAISY
1% WHITE YARROW
1% BLACK-EYED SUSAN



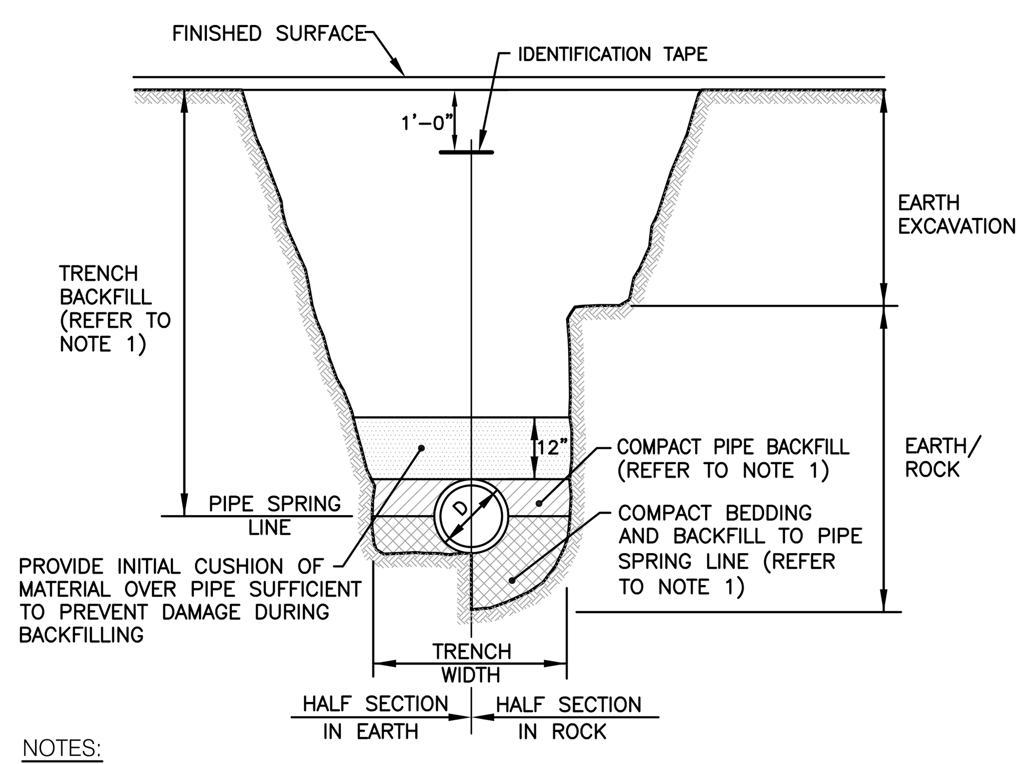
INFILTRATION BASIN TYPICAL SECTION
NOT TO SCALE







PRECAST 4'-0" SQUARE OUTLET STRUCTURE FOR INFILTRATION BASINS
NOT TO SCALE



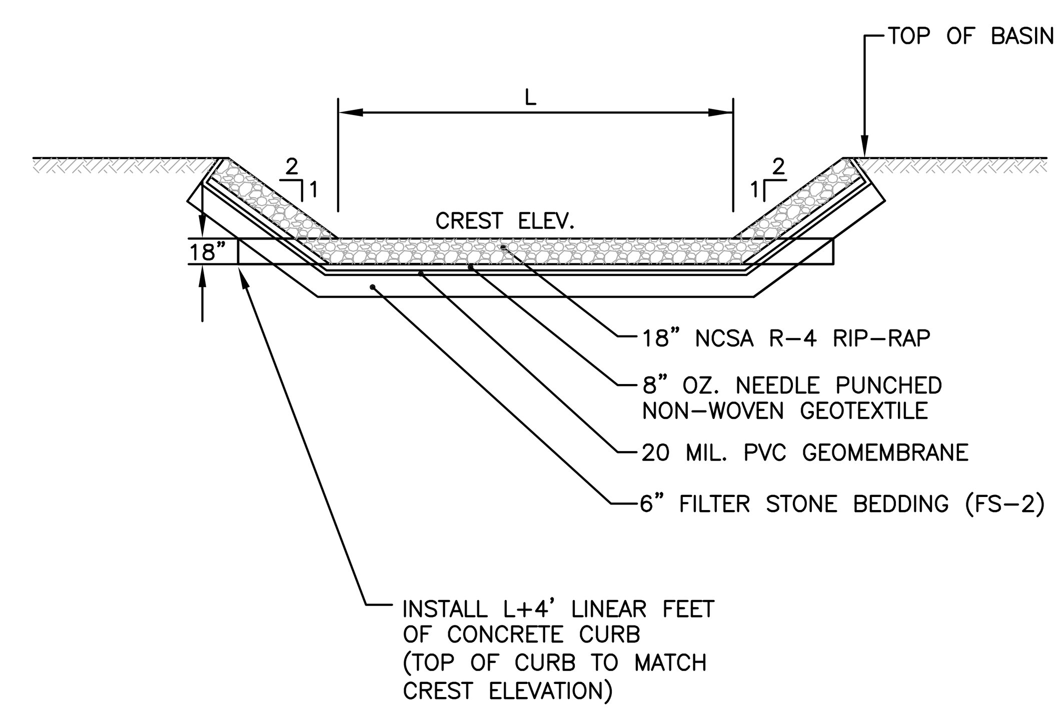
NOTES:

1. PIPE BEDDING AND BACKFILL TO SPRING LINE SHALL CONSIST OF CRUSHED STONE-3/4" MINUS. PIPE BACKFILL SHALL CONSIST OF CRUSHED STONE (WRAPPED IN FILTER FABRIC) OR GRAVEL (3" MINUS, WITH SIEVE ANALYSIS APPROVED BY ENGINEER), OR OTHER APPROVED MATERIAL. TRENCH BACKFILL SHALL CONSIST OF SUITABLE EXCAVATED MATERIAL OR OTHER APPROVED MATERIAL. ALL BEDDING/BACKFILL TO BE COMPACTED TO 95% DRY DENSITY, MODIFIED PROCTOR METHOD.
2. ALL TRENCH EXCAVATION AND ANY SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES AND OSHA REGULATIONS.
3. MINIMUM TRENCH WIDTH SHALL BE OUTSIDE DIAMETER OF PIPE AT BELL PLUS 12". MAXIMUM TRENCH WIDTH SHALL BE OUTSIDE DIAMETER OF PIPE AT BELL PLUS 24".

DRAINAGE TRENCH DETAIL
NOT TO SCALE

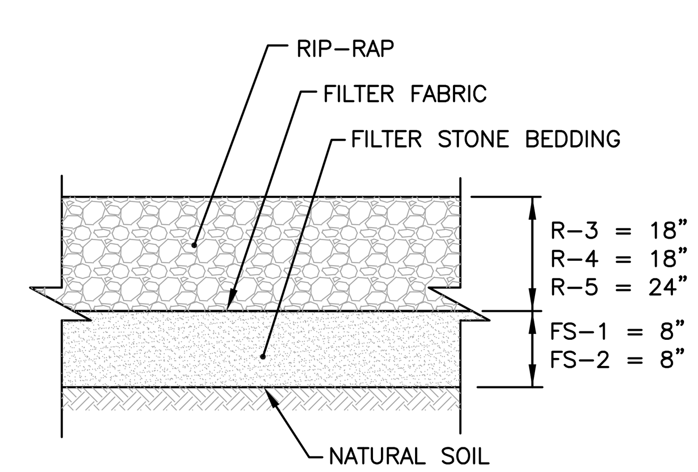
INFILTRATION BASIN SUMMARY

BMP NO.	TOP OF BERM	BOTTOM OF BASIN
1	194.00	190.00
2	193.00	190.00
3	190.00	188.00

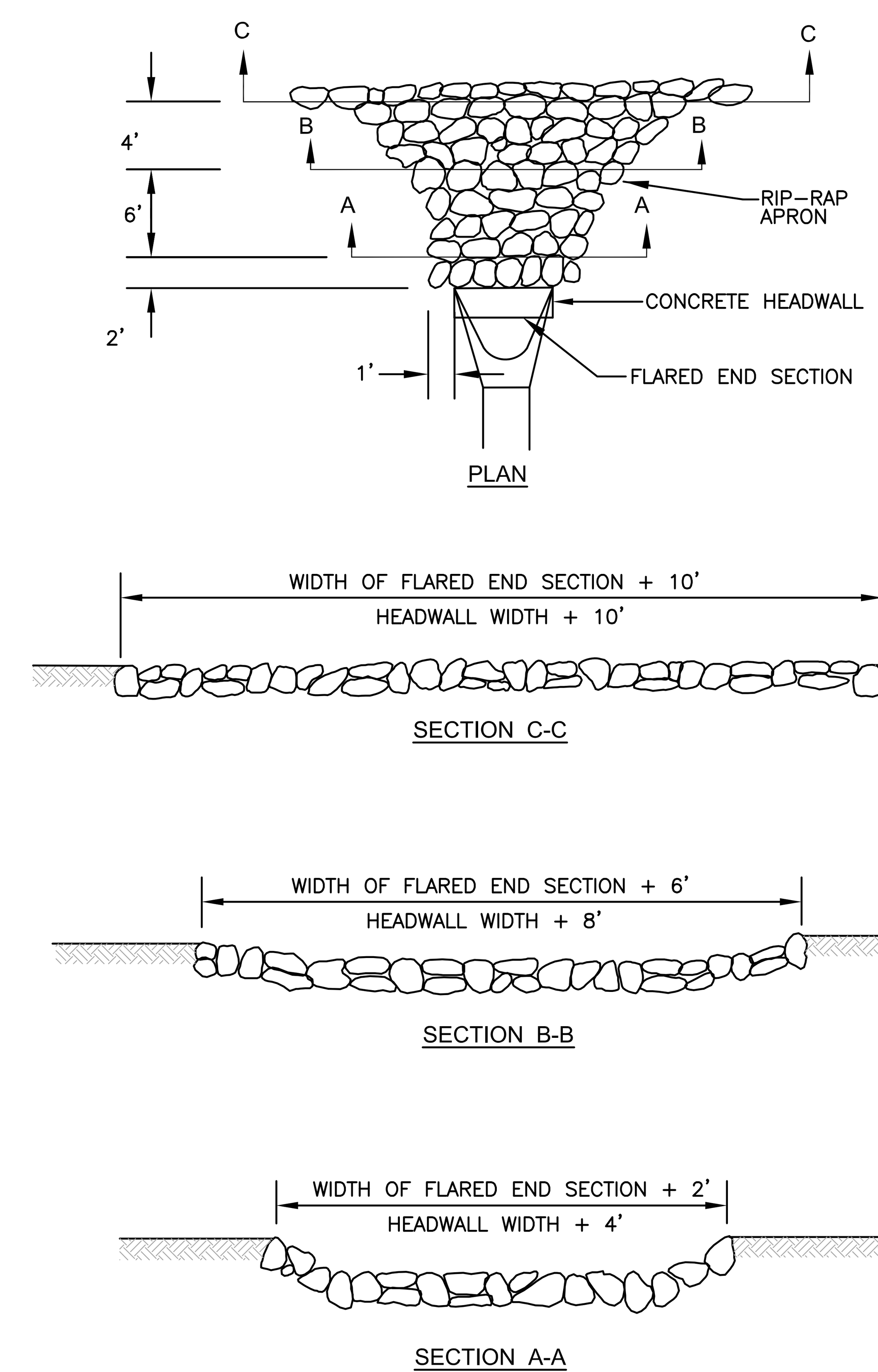


NOTE:
RIP RAP SHALL CONTINUE ON INSIDE AND OUTSIDE OF BASIN SLOPE AT OVERFLOW WEIR LOCATION.

TYPICAL BASIN OVERFLOW WEIR DETAIL
NOT TO SCALE



TYPICAL RIP-RAP OUTLET PROTECTION DETAIL
NOT TO SCALE



NOTES:

1. UNLESS OTHERWISE SPECIFIED, DUMPED RIP-RAP SHALL BE USED.
2. DIMENSIONS MAY BE MODIFIED BY ENGINEER TO MEET FIELD CONDITIONS.
3. SEE "TYPICAL SECTION RIP RAP OUTLET PROTECTION" DETAIL FOR CONSTRUCTION MATERIAL SPECIFICATIONS.

TYPICAL LAYOUT OF RIP RAP OUTLET PROTECTION AT FLARED END SECTIONS and CONCRETE HEADWALLS
NOT TO SCALE

• Civil
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KEY PLAN

PROJECT TITLE:

PROPOSED AMPHITHEATER CAMP MEEHAN

1671 DOUGLAS AVENUE
NORTH PROVIDENCE, RI

PREPARED FOR:

TOWN OF NORTH PROVIDENCE
2000 SMITH STREET
NORTH PROVIDENCE, RI

DRAWING TITLE:

MISCELLANEOUS DETAIL PLAN No. 2

DATE: APRIL 2018
SCALE: NO SCALE

DWG. NAME: 2250-C07-DETAIL2-R1.dwg

REVISIONS

NUMBER	REMARKS	DATE
1	STAGE	07/02/18

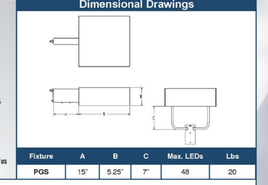
DRAWING NUMBER

C7

SHEET: 14 *OF:* 19

PGS LED | Project Name: Camp Meehan | Catalog Number: PGS Led | Type

Dimensional Drawings



Fixture	A	B	C	Max. LEDs	Lbs
PGS	15"	5.25"	7"	48	20

The new PGS LED luminaire from Visionaire combines contemporary design with new LED technology; while maintaining a traditional architectural fixture image. The LEDs Performance and Life are maximized by the unique integral aluminum heat sink. It is an ideal replacement for the high-maintenance HID fixtures of yesterday.

The LED housing is spun aluminum; with either 16, 32 or 48 LEDs. Mounting options include Spider Mount, Arm Mount or Wall Mount. The Arm Mount is available with either a Quick Mount Pole Adaptor; or a Universal Quick Mount Pole Adaptor for retrofitting existing poles.

Six optical distribution patterns are available. Choose between 3000, 4000 or 5000 Kelvin temperature of the LED's; with Lumen Packages ranging from 2,000 to 12,000+ Lumens.

A durable polyester powder coat finish is guaranteed for five years; and is available in standard or custom colors.

The PGS LED series is an exceptional choice for universities, shopping centers, parks and recreational areas; and general site lighting.

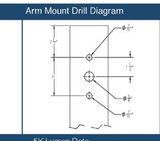
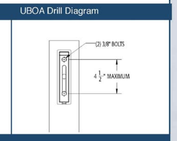
PGS1	T2	48LC	5	4K	UNV	AM	BZ	Options
Model	Optics	Source	Milliamps	Kelvin	Voltage	Mounting	Finish	
PGS-1	Type I (11)	# of LEDs 16 (16LC)	mA 350 (3)	3000K *Adjustable with (3K)	120-277 Universal Voltage (UNV)	Spider Mount Fits 2 3/8" O.D. (SM)	Bronze (BZ)	Photocell & Receptacle (PCR120) (PCR208) (PCR240) (PCR277) *Specify 60Hz or Shorter Hours
	Type II (12)	32 (32LC)	530 (5)	4000K *Adjustable with (4K)	480 (5)	Arm Mount (AM) *NEW to be ordered separately	Black (BK)	Photo & Receptacle (PER) *Specify 60Hz or Shorter Hours
	Type III (13)	48 (48LC)	700 (7)	5000K *Equivalent (5K)	347 (B)	Universal Bolt-On Arm (UBOA) *NEW to be ordered separately. Type II applications only.	White (WH)	Motion Sensor/Control Watt Stopper FSP-211 Wall Mounted Occupancy Sensor 8' Mounting Height Bluetooth Enabled Sensor (WSC-8) 8' Mounting Height (WSC-20) 8' Mounting Height (WSC-40) Dual Technology Type
	Type IV (14)					Wall Mount (WM)	Graphite (GP)	This option will override 5 YEAR FIXTURE WARRANTY
	Type V (15)						Gray (GY)	Motion Sensor (MS-8) 8' Mounting Height (MS-20) 20' Mounting Height
	Type V-W (15W)						Silver Metallic (SL)	0-10v Dimming Driver (DIM)
							Custom Color (CC)	Emergency Battery Pack (EBPL)
								Round Pole Pole Adapter (RPP)
								Diffused Lens (DL)
								Cutoff Lower Shield (CLS)

*Only 5K & 4K/5K Available in T2 Optic

*Only 5K & 4K/5K Available in 5 Milliamps (3=350 mA)

For more detailed information on mounting, wiring or installation instructions, please consult factory. If poles are not ordered with fixtures, please specify mounting requirements. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.

VISIONAIRE LIGHTING "Performance Is A Whole New Light"

Spider Mount Detail	Arm Mount Drill Diagram	UBOA Drill Diagram
		

5K Lumen Data (3000K=3K, 4000K=4K)

# LEDs	mA	Type 1	Type 2	Type 3	Type 4	Type 5	Type 5 W	Watts
16	350	2402	2222	2214	2169	2431	2195	19
	530	3433	3176	3164	3101	3474	3138	26
	700	4509	4172	4156	4073	4564	4122	37
32	350	5021	4645	4627	4535	5081	4589	35
	530	6966	6436	6411	6283	7040	6358	52
	700	8725	8073	8041	7881	8831	7975	71
48	350	7596	7030	7003	6863	7690	6945	52
	530	10484	9700	9682	9470	10611	9582	80
	700	12234	11320	11276	11051	12383	11183	108

Visit www.VisionaireLighting.com for up-to-the-minute chart information, including types not listed here.
* For 4000K multiply values by 0.95 * For 3000K multiply values by 0.90

19645 Rancho Way Rancho Dominguez, CA 90220
Tel: (310) 512-6400 Fax: (310) 512-6486
www.visionairelighting.com

LIGHT POLE DETAIL
NOT TO SCALE

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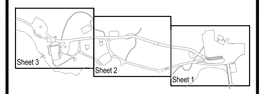
KEY PLAN



PROJECT TITLE:

PROPOSED AMPHITHEATER CAMP MEEHAN

1671 DOUGLAS AVENUE NORTH PROVIDENCE, RI

PREPARED FOR:

TOWN OF NORTH PROVIDENCE
2000 SMITH STREET
NORTH PROVIDENCE, RI

DRAWING TITLE:

SITE LIGHTING PLAN No. 1

DATE:	*SCALE:*
APRIL 2018	1"=20'

DWG. NAME: 2250-E01-LIGHT-R1.dwg

REVISIONS

NUMBER	*REMARKS*	*DATE*
1	STAGE	07/02/18

DRAWING NUMBER

E1.1

SHEET: 15 *OF:* 19

MATCH LINE TO SITE LIGHTING PLAN No. 3

MATCH LINE TO SITE LIGHTING PLAN No. 1

NAD 83

INSTALL LIGHT POLE AND UNDERGROUND CONDUIT (TYP.)

PORTIONS OF A.P. 22
LOTS 852, 880, 974 AND 1468
N/F
TOWN OF NORTH PROVIDENCE

BOLLARD STYLE LIGHTING (TYP.)

50' PERIMETER WETLAND

Wetland Area

#100 #101 #102 #103 #104 #105 #106 #107 #107A #108 #109 #110 #111 #112 #200

NOTE:

LIGHTING, ELECTRICAL AND ASSOCIATED INSTALLATION WILL BE PERFORMED BY THE TOWN AND ARE NOT A PART OF THE BASE BID.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

- Civil
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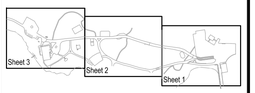
KEY PLAN



PROJECT TITLE:

PROPOSED AMPHITHEATER CAMP MEEHAN

1671 DOUGLAS AVENUE NORTH PROVIDENCE, RI

PREPARED FOR:

TOWN OF NORTH PROVIDENCE
2000 SMITH STREET
NORTH PROVIDENCE, RI

DRAWING TITLE:

SITE LIGHTING PLAN No. 2

DATE:	SCALE:
APRIL 2018	1"=20'

DWG. NAME: 2250-E01-LIGHT-R1.dwg

REVISIONS

NUMBER	REMARKS	DATE
1	STAGE	07/02/18

DRAWING NUMBER

E1.2

SHEET: 16 OF: 19

NOTE:

LIGHTING, ELECTRICAL AND ASSOCIATED INSTALLATION WILL BE PERFORMED BY THE TOWN AND ARE NOT A PART OF THE BASE BID.

A.P. 45 LOT 53
N/F
TOWN OF LINCOLN

PORTIONS OF A.P. 22
LOTS 852, 880, 974 AND 1468
N/F
TOWN OF NORTH PROVIDENCE

NAD 83

INSTALL LIGHT POLE AND UNDERGROUND CONDUIT (TYP.)

INSTALL LIGHTED BOLLARD AND UNDERGROUND CONDUIT (TYP.)

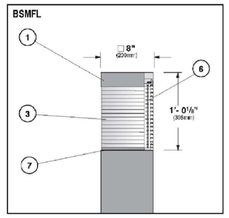
BENCHMARK:
DRILLHOLE SET IN FLAT ROCK
ELEV. 216.94
DATUM: NAVD-88

50' PERIMETER WETLAND

WENSCOTT RESERVOIR

MATCH LINE TO SITE LIGHTING PLAN No. 2

#228 #227 #226 #225 #224 #223 #222 #221 #220 #219 #218 #217 #216 #215 #214 #213 #202 #203 #204 #201



1. **Luminaire Cover** - Die-cast, aluminum cover, with smooth snap form to reflect and complement the column design. Thick-walled, aluminum cover is painted white on the interior for maximum luminaire efficiency. Removes by loosening three vandal-resistant, stainless steel screws for easy access to lamp chamber.

2. **Gasketing** - (not shown) Continuous gaskets provide weather-proofing, dust, and insect control at shielding base, fixture cover and between MTR rings.

3. **Shielding** - Consists of 8" (200mm) diameter injection-molded acrylic multi-prisms for total reflection (MTF). MTR rings have a wall thickness of .551" and are patterned after the light-bending characteristics of a prism.

4. **LED Light Engine** - (not shown) High efficiency LED light engine equipped with broad-beam LEDs, available in 2700K, 3000K, 3500K, or 4000K CCT tolerance within a 3-step MacAdams ellipse.

5. **Drivers** - (not shown) Electronic universal 120-277V, PFC > 0.96

6. **Diffuser** - (not shown) LED optimized UV resistant material ensures evenly lit MTR rings at high transmittances.

7. **Column Fitter** - Die-cast aluminum fitter, with built-in gasketing ridges, for smooth transition to column.

8. **Surge Protector** - (not shown) Designed to protect luminaire from electrical surge (10kA)

9. **Hi-Lo Switching** - (not shown) For details, please see page 4.

Exterior Luminaire Finish - Selux utilizes a high quality Polyester Powder Coating. All Selux luminaires and poles are finished in our Tiger Drylac certified facility and undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultraviolet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI.

Standard exterior colors are White (WH), Black (BG), Bronze (BZ), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

5 Year Limited LED Luminaire Warranty - Selux offers a 5 Year Limited Warranty to the original purchaser that the MTR Bollard LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED array when installed and operated according to Selux instructions. For MTR Square Bollard LED luminaire suitable for ambient temperature of 40°C (113°F). For details, see "Selux Terms and Condition of Sale."

Listings and Ratings: Tested to INRTL Wet Location and IESNA LM-79-08 standards. LED tested to LM-80 standards. Luminaire and LED tested at 25°C (77°F) ambient temperature.

NOTES:

1. LIGHTED BOLLARD SHALL BE MTR SQUARE BOLLARD LED SELUX (HEIGHT=3') WITH A BRONZE FINISH, OR APPROVED EQUAL.
2. INSTALL BOLLARD IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. MODEL NUMBER BSMFL-3-4L35-40-120

LIGHTED BOLLARD DETAIL
NOT TO SCALE

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

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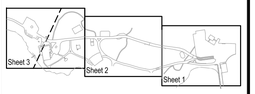
KEY PLAN



PROJECT TITLE:

PROPOSED AMPHITHEATER CAMP MEEHAN

1671 DOUGLAS AVENUE NORTH PROVIDENCE, RI

PREPARED FOR:

TOWN OF NORTH PROVIDENCE
2000 SMITH STREET
NORTH PROVIDENCE, RI

DRAWING TITLE:

SITE LIGHTING PLAN No. 3

DATE:	*SCALE:*
APRIL 2018	1"=20'

DWG. NAME: 2250-E01-LIGHT-R1.dwg

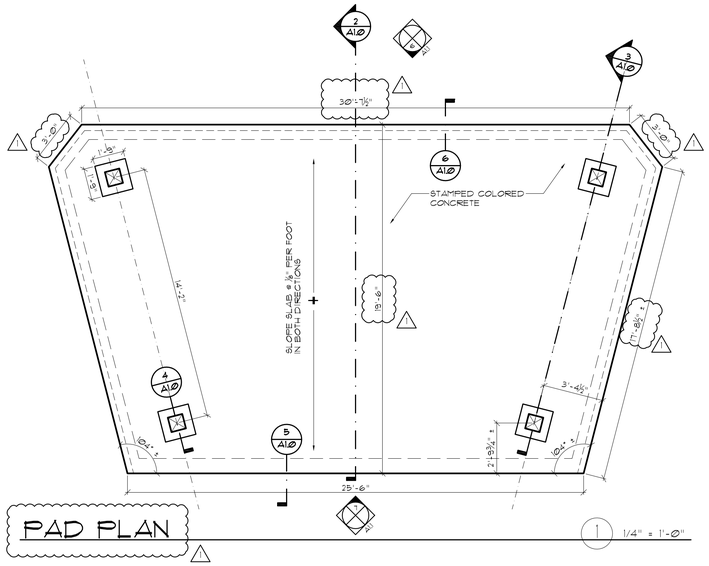
REVISIONS

NUMBER	*REMARKS*	*DATE*
1	STAGE	07/02/18

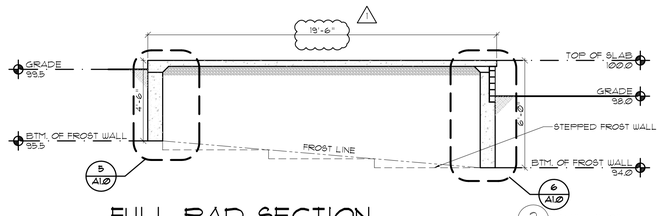
DRAWING NUMBER

E1.3

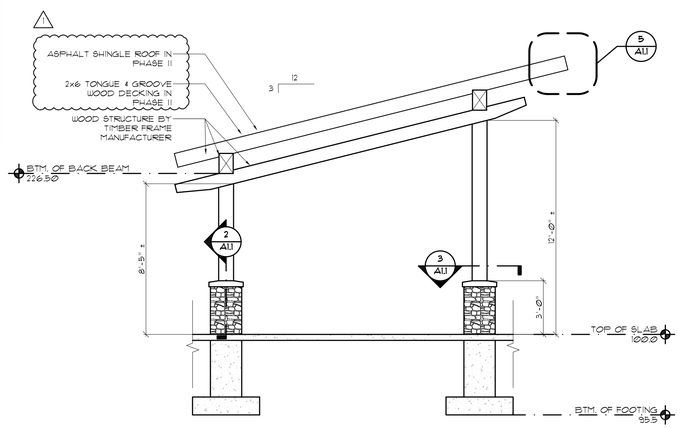
SHEET: 17 *OF:* 19



PAD PLAN 1 1/4" = 1'-0"



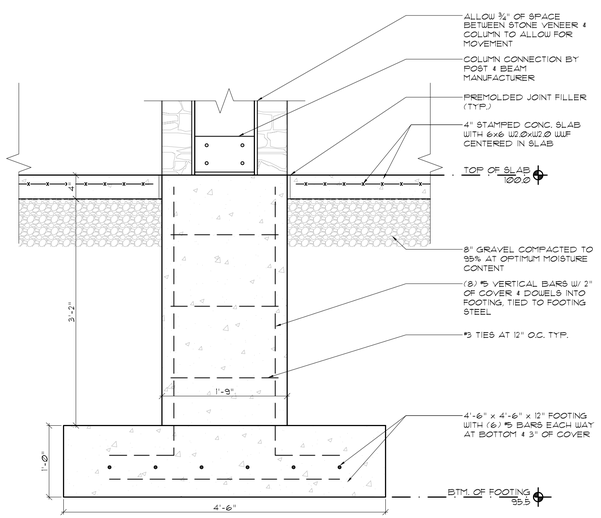
FULL PAD SECTION 2 1/4" = 1'-0"



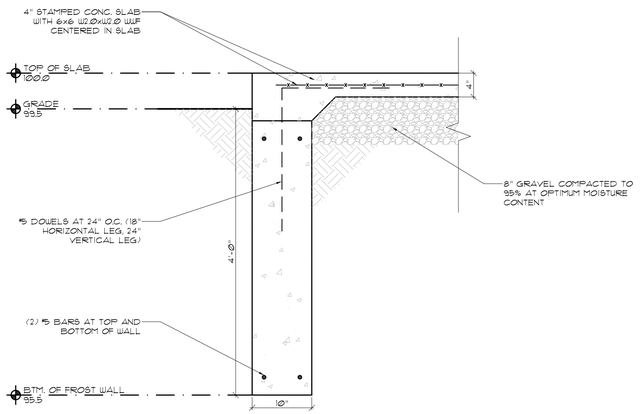
PIER & COLUMN SECTION 3 1/4" = 1'-0"

NOTES:

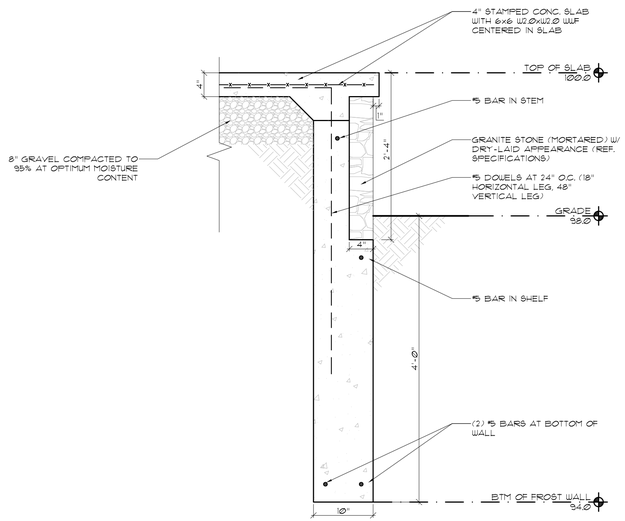
1. PIER/FOOTING SIZES AND REINFORCING ARE APPROXIMATE AND MAY NEED TO BE MODIFIED SLIGHTLY BASED UPON THE REVIEW OF TIMBER FRAME REACTION LOADS AND BASE MOMENTS TO BE SUPPLIED BY THE TIMBER FRAME MANUFACTURER
2. ALL ELEVATIONS ARE REFERENCED TO TOP OF SLAB AT ELEVATION 100.0. COORDINATE WITH CIVIL DRAWINGS FOR ACTUAL ELEVATIONS.



TYP. COLUMN PIER 4 1" = 1'-0"



REAR FROST WALL 5 1" = 1'-0"



FROST WALL W/ STONE VENEER 6 1" = 1'-0"

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Design For:
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Camp Meehan
1671 Douglas Avenue
North Providence, RI 02904

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DATE: 04/13/2018
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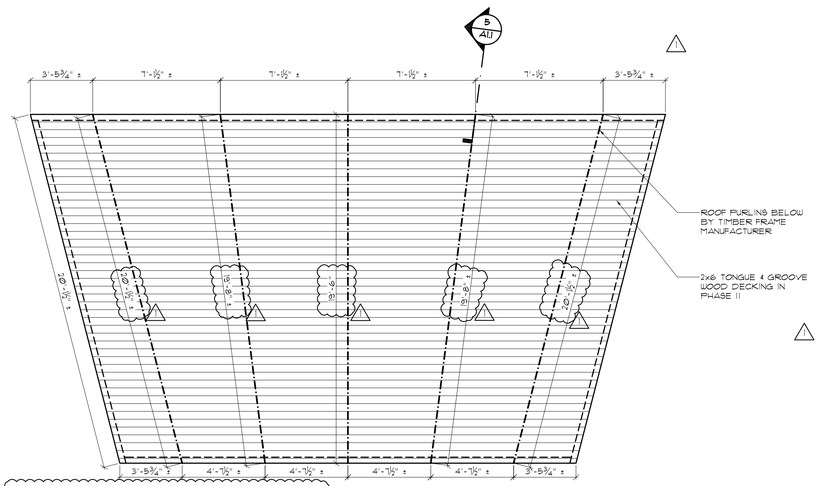
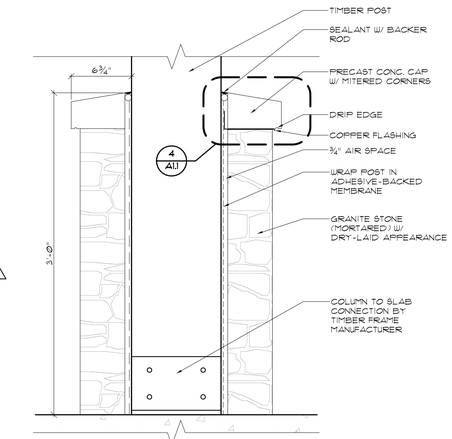
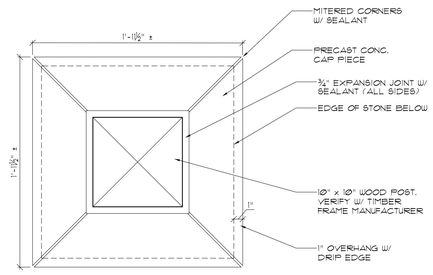


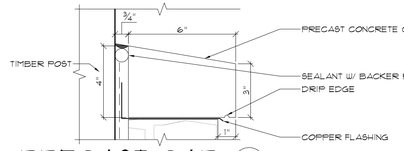
ROOF FRAMING PLAN (1) 1/4" = 1'-0"



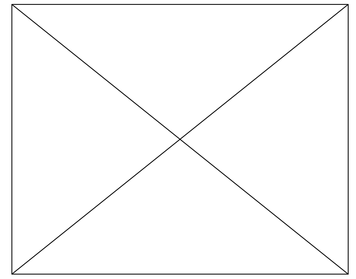
PIER SECTION (2) 1½" = 1'-0"



PIER PLAN VIEW (3) 1½" = 1'-0"

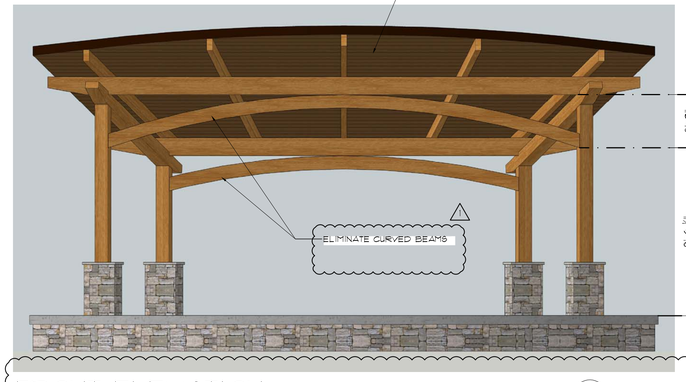


PRECAST CAP SECTION (4) 3" = 1'-0"



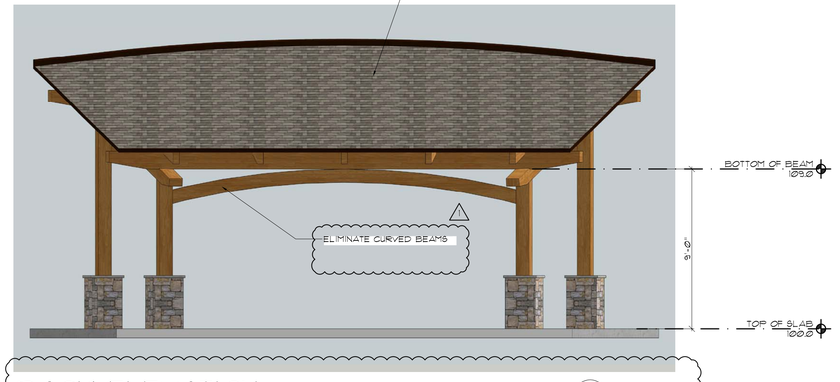
DECK SUPPORT SECTION (5) 3" = 1'-0"

DECKING TO BE INSTALLED AS "PHASE II"



FRONT ELEVATION (6) NTS

DIAGONAL BRACES MAY BE REQUIRED IN LIEU OF CURVED BEAMS



BACK ELEVATION (7) NTS

DIAGONAL BRACES MAY BE REQUIRED IN LIEU OF CURVED BEAMS

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BID DOCUMENTS

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