

NARRAGANSETT HIGH SCHOOL COMMUNITY ATHLETIC COMPLEX NARRAGANSETT, RI REVISED PERMIT SET

PREPARED FOR:

**NARRAGANSETT SCHOOL SYSTEM
25 FIFTH AVENUE
NARRAGANSETT, RI**

CIVIL & STRUCTURAL ENGINEER:

**GALE ASSOCIATES INC.
163 LIBBEY PARKWAY
WEYMOUTH, MA 02189
P: 781.335.6465**

CONSULTANTS:

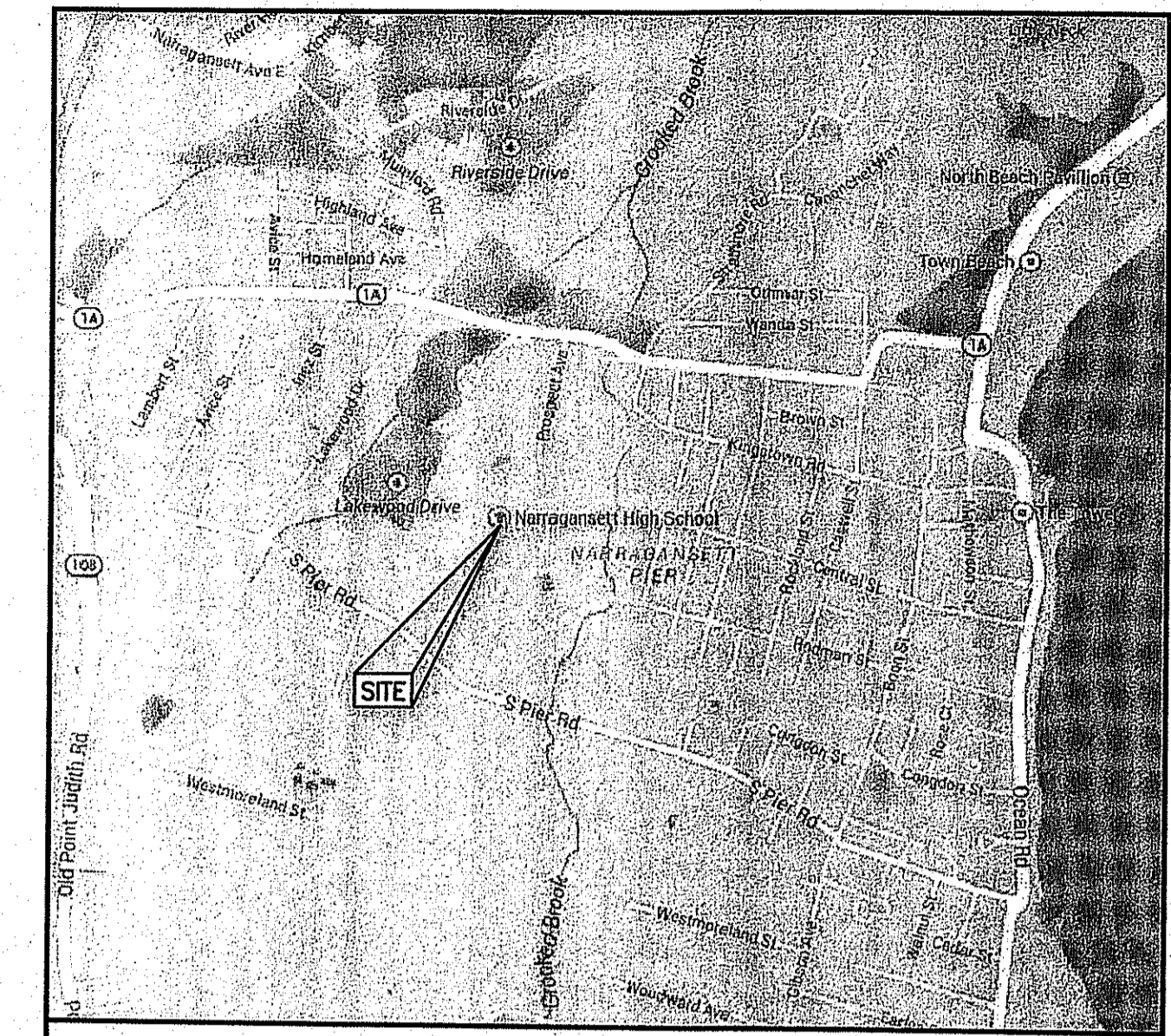
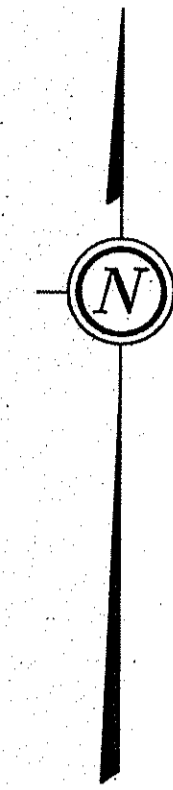
ARCHITECT:

**R.G.B. ARCHITECTS
50 HOLDEN STREET
PROVIDENCE, RI 02908
P: 401.272.1730**

MEP ENGINEER:

**BUILDING ENGINEERING RESOURCES, INC
100 MIDWAY ROAD - SUITE 23
CRANSTON, RI 02920
P: 401.942.3500**

DRAWING NUMBER	DRAWING DESCRIPTION
CIVIL	
G001	COVER SHEET
G002	NOTES SHEET
C001	EXISTING CONDITIONS PLAN TRACK AND FIELD
C002	DEMOLITION AND EROSION CONTROL PLAN TRACK AND FIELD
C002A	DEMOLITION AND EROSION CONTROL PLAN SEWER LINE
C101	LAYOUT AND MATERIALS PLAN TRACK AND FIELD
C101A	LAYOUT AND MATERIALS PLAN PLAZA
C102	GRADING PLAN TRACK AND FIELD
C102A	GRADING PLAN PLAZA AREA
C103	DRAINAGE PLAN TRACK AND FIELD
C103A	DRAINAGE PLAN PLAZA AREA
C104	UTILITY PLAN TRACK AND FIELD
C104A	UTILITY PLAN PLAZA AREA
C105	SECTIONS PLAN
C501	DETAIL SHEET
C502	DETAIL SHEET
C503	DETAIL SHEET
C504	DETAIL SHEET
C505	DETAIL SHEET
C506	DETAIL SHEET
C507	DETAIL SHEET
C508	DETAIL SHEET
C509	DETAIL SHEET
C510	DETAIL SHEET
C511	DETAIL SHEET
C512	DETAIL SHEET
C513	DETAIL SHEET
SEC	SECTION THROUGH TRACK AND FIELD



LOCATION PLAN
SCALE: N.T.S.



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PROJECT	COMMUNITY ATHLETIC COMPLEX NARRAGANSETT HIGH SCHOOL 245 SOUTH PIER ROAD NARRAGANSETT, RI 02882
OWNER	NARRAGANSETT SCHOOL SYSTEM 25 FIFTH AVENUE NARRAGANSETT, RI 02882

REVISIONS		
NO.	DATE	DESCRIPTION

CADD FILE	716800_G001
DESIGNED BY	LAB/JMP
DRAWN BY	HAM
CHECKED BY	WJS/JMP
DATE	06/24/15
DRAWING SCALE	N.T.S.
GRAPHIC SCALE	

SHEET TITLE

COVER SHEET

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 16 2015 FILE # 15-0064
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
JUN 26 2015
C:\p\163\163000\163000.dwg

JOHN M. PERRY
6-24-15
No. 9406
REGISTERED PROFESSIONAL ENGINEER
CIVIL
DRAWING NO. G001
SHEET 1 OF 28
PROJECT NO. 716800

PERMIT SET

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PROJECT
COMMUNITY ATHLETIC COMPLEX
NARRAGANSETT HIGH SCHOOL
245 SOUTH PIER ROAD
NARRAGANSETT, RI 02882

OWNER
NARRAGANSETT SCHOOL SYSTEM
25 FIFTH AVENUE
NARRAGANSETT, RI 02882

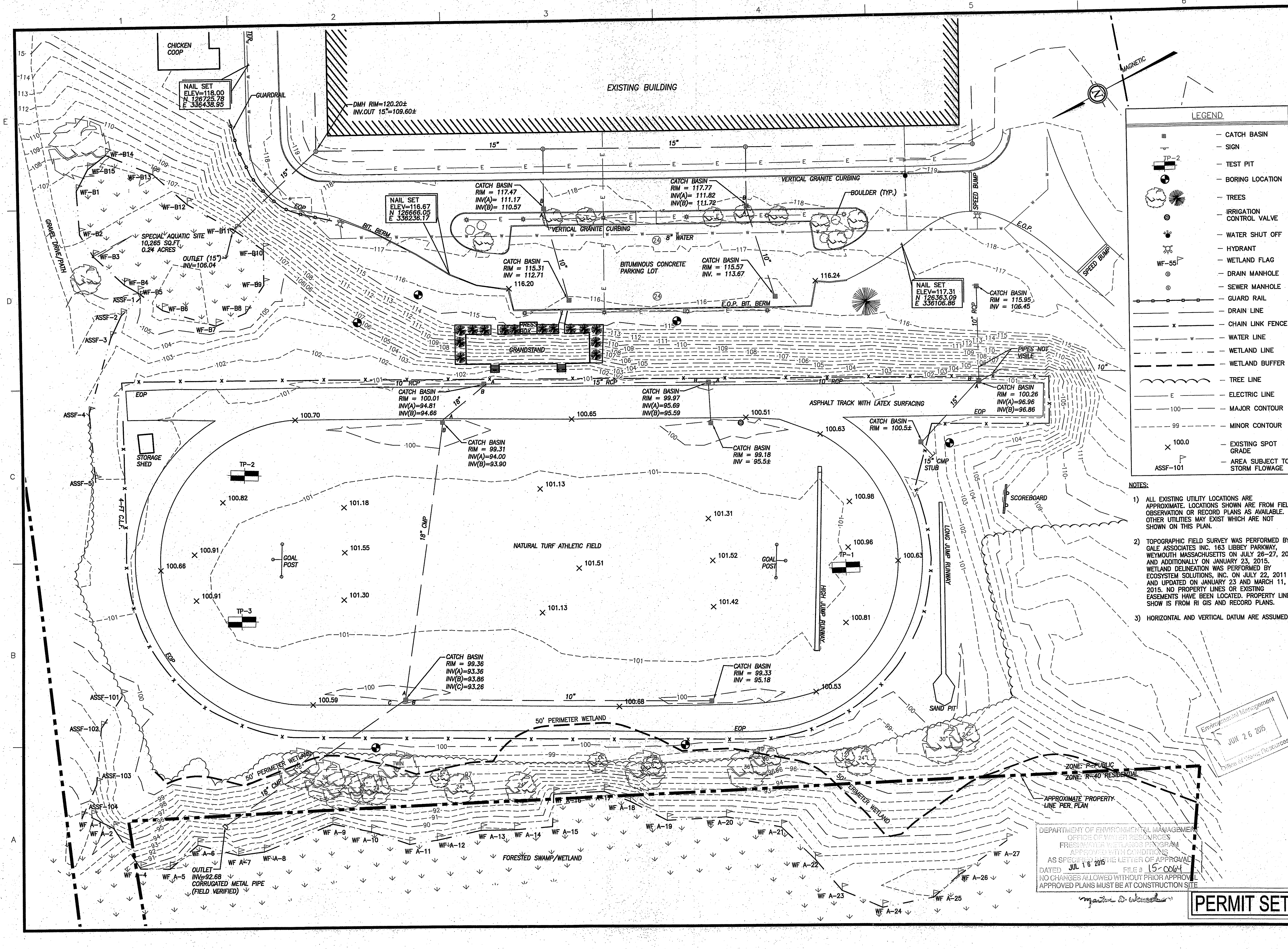
REVISIONS		
NO.	DATE	DESCRIPTION

CADD FILE	716800_C001
DESIGNED BY	
DRAWN BY	HAM
CHECKED BY	WJS/JMP
DATE	06/24/15
DRAWING SCALE	1"=30'

GRAPHIC SCALE	0 30' 60'
SHEET TITLE	

EXISTING CONDITIONS PLAN
TRACK AND FIELD

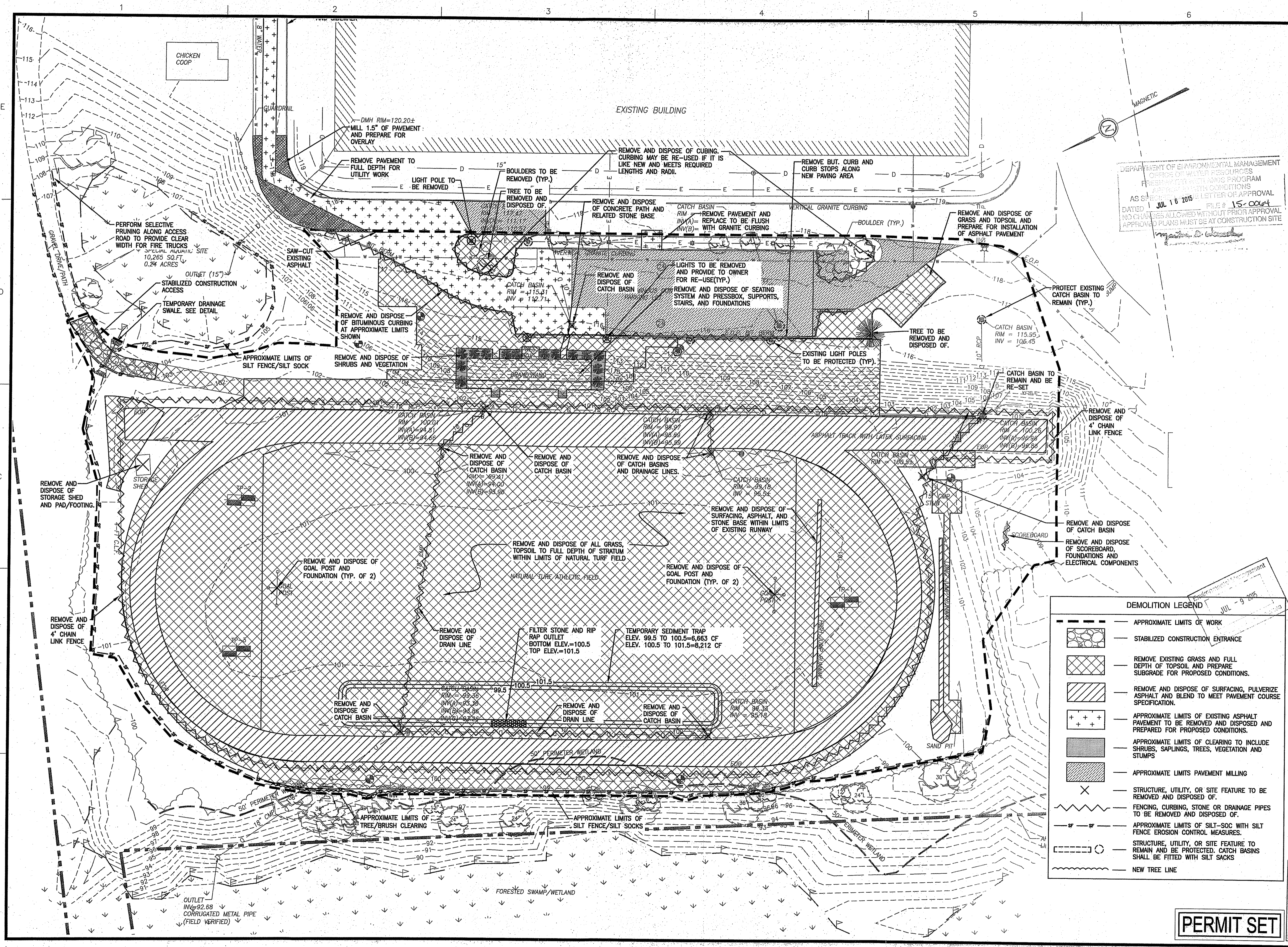
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF WATER RESOURCES FRESHWATER WETLANDS PROGRAM APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL DATED JUL 16 2015 FILE # 15-0064 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL APPROVED PLANS MUST BE AT CONSTRUCTION SITE	 PERMIT SET
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LEGEND

- CATCH BASIN
- SIGN
- ⊙ TEST PIT
- ⊙ BORING LOCATION
- ⊙ TREES
- ⊙ IRRIGATION CONTROL VALVE
- ⊙ WATER SHUT OFF
- ⊙ HYDRANT
- ⊙ WF-55 WETLAND FLAG
- ⊙ DRAIN MANHOLE
- ⊙ SEWER MANHOLE
- GUARDRAIL
- DRAIN LINE
- CHAIN LINK FENCE
- WATER LINE
- WETLAND LINE
- WETLAND BUFFER
- TREE LINE
- ELECTRIC LINE
- 100 MAJOR CONTOUR
- 99 MINOR CONTOUR
- ⊙ 100.0 EXISTING SPOT GRADE
- AREA SUBJECT TO STORM FLOWAGE
- ASSF-101

- NOTES:**
- 1) ALL EXISTING UTILITY LOCATIONS ARE APPROXIMATE. LOCATIONS SHOWN ARE FROM FIELD OBSERVATION OR RECORD PLANS AS AVAILABLE. OTHER UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS PLAN.
 - 2) TOPOGRAPHIC FIELD SURVEY WAS PERFORMED BY GALE ASSOCIATES INC. 163 LIBBEY PARKWAY, WEYMOUTH MASSACHUSETTS ON JULY 26-27, 2011 AND ADDITIONALLY ON JANUARY 23, 2015. WETLAND DELINEATION WAS PERFORMED BY ECOSYSTEM SOLUTIONS, INC. ON JULY 22, 2011 AND UPDATED ON JANUARY 23 AND MARCH 11, 2015. NO PROPERTY LINES OR EXISTING EASEMENTS HAVE BEEN LOCATED. PROPERTY LINE SHOW IS FROM RI GIS AND RECORD PLANS.
 - 3) HORIZONTAL AND VERTICAL DATUM ARE ASSUMED.



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 OFFICE OF WATER RESOURCES
 FRESHWATER WITH ANMS PROGRAM
 AS SHOWN WITH CONDITIONS
 AS SHOWN WITH LETTER OF APPROVAL
 DATED JUL 16 2015 FILE # 15-0004
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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PROJECT
**COMMUNITY ATHLETIC COMPLEX
 NARRAGANSETT HIGH SCHOOL
 245 SOUTH PIER ROAD
 NARRAGANSETT, RI 02882**

OWNER
**NARRAGANSETT SCHOOL SYSTEM
 25 FIFTH AVENUE
 NARRAGANSETT, RI 02882**

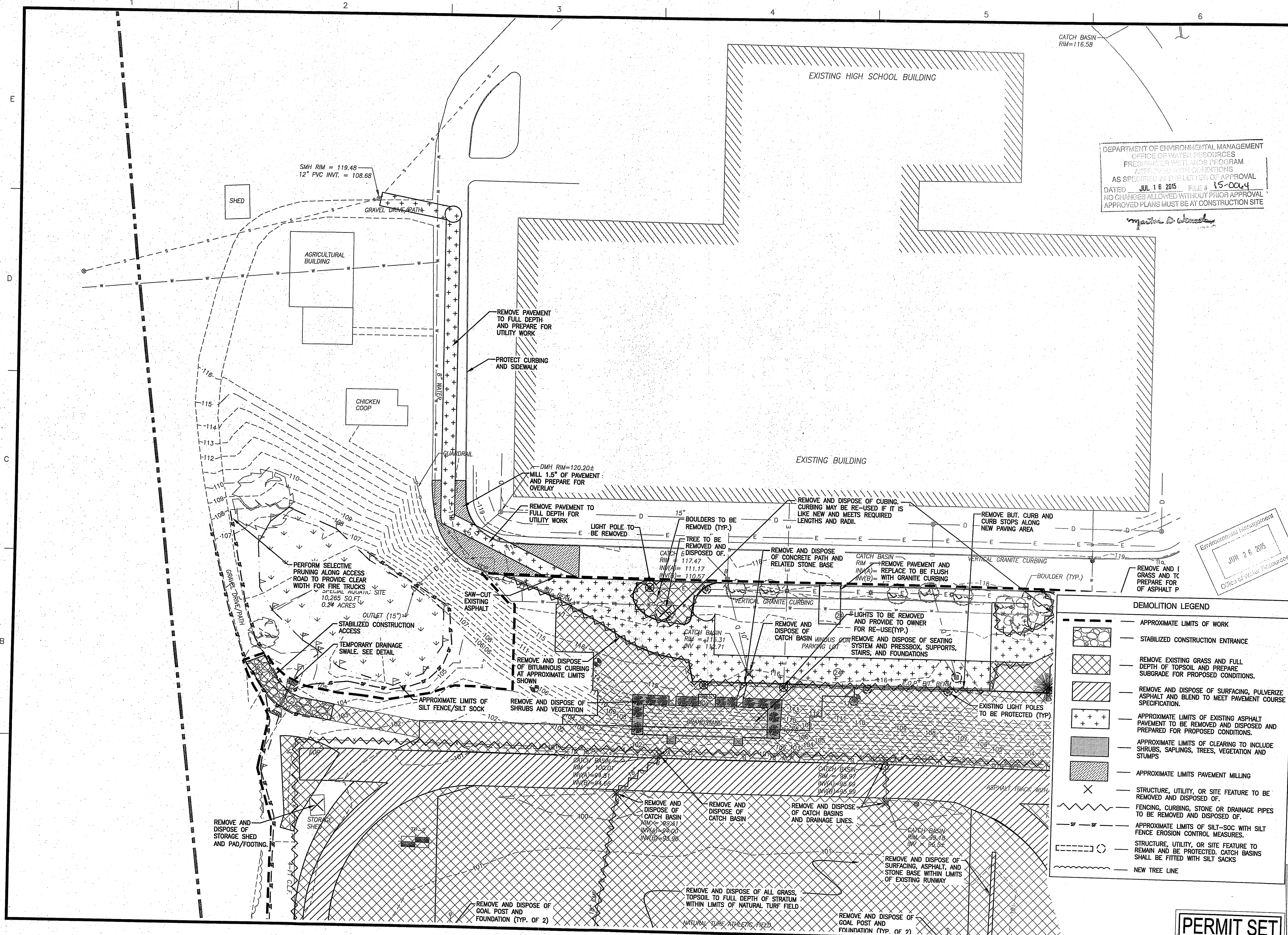
REVISIONS		
NO.	DATE	DESCRIPTION
2	7/8/15	DEM COMMENT
1	6/24/15	DEM COMMENT

CADD FILE 716800_C002
 DESIGNED BY
 DRAWN BY HAM
 CHECKED BY WJS/JMP
 DATE 03/30/2015
 DRAWING SCALE 1"=30'
 GRAPHIC SCALE
 0 30 60

SHEET TITLE
**DEMOLITION
 AND
 EROSION CONTROL
 PLAN**

JOHN M. PERRY
 7-3-15
 No. 940
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 DRAWING NO. C002
 SHEET 1 OF 1
 PROJECT NO. 15081
 9/23/15

PERMIT SET



CATCH BASIN
RIM=116.58

SMH RIM = 119.48
12" PVC INVT. = 108.68

EXISTING HIGH SCHOOL BUILDING

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVAL WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
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PROJECT
COMMUNITY ATHLETIC COMPLEX
NARRAGANSETT HIGH SCHOOL
245 SOUTH PIER ROAD
NARRAGANSETT, RI 02882

OWNER
NARRAGANSETT SCHOOL SYSTEM
25 FIFTH AVENUE
NARRAGANSETT, RI 02882

Environmental Management
JUN 26 2015
Office of Water Resources

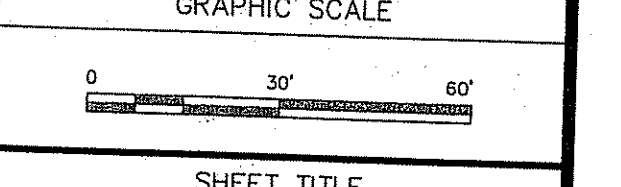
DEMOLITION LEGEND

- APPROXIMATE LIMITS OF WORK
- STABILIZED CONSTRUCTION ENTRANCE
- REMOVE EXISTING GRASS AND FULL DEPTH OF TOPSOIL AND PREPARE SUBGRADE FOR PROPOSED CONDITIONS.
- REMOVE AND DISPOSE OF SURFACING, PULVERIZE ASPHALT AND BLEND TO MEET PAVEMENT COURSE SPECIFICATION.
- APPROXIMATE LIMITS OF EXISTING ASPHALT PAVEMENT TO BE REMOVED AND DISPOSED AND PREPARED FOR PROPOSED CONDITIONS.
- APPROXIMATE LIMITS OF CLEARING TO INCLUDE SHRUBS, SAPLINGS, TREES, VEGETATION AND STUMPS
- APPROXIMATE LIMITS PAVEMENT MILLING
- STRUCTURE, UTILITY, OR SITE FEATURE TO BE REMOVED AND DISPOSED OF.
- FENCING, CURBING, STONE OR DRAINAGE PIPES TO BE REMOVED AND DISPOSED OF.
- APPROXIMATE LIMITS OF SILT-SOCK WITH SILT FENCE EROSION CONTROL MEASURES.
- STRUCTURE, UTILITY, OR SITE FEATURE TO REMAIN AND BE PROTECTED. CATCH BASINS SHALL BE FITTED WITH SILT SACKS
- NEW TREE LINE

REVISIONS

NO.	DATE	DESCRIPTION

CADD FILE	716800_C002
DESIGNED BY	HAM
CHECKED BY	WJS/JMP
DATE	06/24/15
DRAWING SCALE	1"=30'



SHEET TITLE
DEMOLITION AND EROSION CONTROL PLAN SEWER LINE

JOHN M. PERRY
No. 9406
REGISTERED PROFESSIONAL ENGINEER CIVIL
DRAWING NO. C002A
SHEET 5 OF 28
PROJECT NO. 716800

PERMIT SET

PROJECT
COMMUNITY ATHLETIC COMPLEX
NARRAGANSETT HIGH SCHOOL
245 SOUTH PIER ROAD
NARRAGANSETT, RI 02882

OWNER
NARRAGANSETT SCHOOL SYSTEM
25 FIFTH AVENUE
NARRAGANSETT, RI 02882

LAYOUT AND MATERIALS LEGEND

- DECORATIVE FENCE
- VINYL CLAD WIRE FENCE
- VINYL CLAD CHAIN LINK FENCE
- MODULAR BLOCK RETAINING WALL
- CAST IN PLACE RETAINING WALL
- LIMITS OF SYNTHETIC TRACK SURFACING (NOT IN CONTRACT)
- LIMITS OF BITUMINOUS CONCRETE PAVING TOP COURSE (MILL/OVERLAY)
- LIMITS OF NEW BITUMINOUS CONCRETE (FULL DEPTH)
- LIMITS OF STONEDUST
- LIMITS OF SYNTHETIC TURF FIELD
- LANDSCAPE AREA
- CONCRETE
- GRAVEL ACCESS DRIVE
- APPROXIMATE LOAM AND SEED AREA
- ADA TACTILE WARNING
- ATHLETIC LIGHT
- VERTICAL GRANITE CURBING

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
BUREAU OF WATER RESOURCES
FRESHWATER PERMITS PROGRAM
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 18, 2015 FILE # 15-0064
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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- ALTERNATES:**
1. ALT. 1 - DEDUCT SAND CATCHERS.
 2. ALT. 2 - DEDUCT TO 650 SEAT BLEACHER SYSTEM.
 3. ALT. 3 - DEDUCT TO PAVED SURFACE IN LIEU OF MODULAR CONCESSIONS BUILDING.
 4. ALT. 4 - ADD AND INSTALL ATHLETIC FIELD EQUIPMENT. IN SECTION 11 68 33.
 5. ALT. 5 - ADD AND INSTALL ATHLETIC FIELD EQUIPMENT IN SECTION 11 68 35.
 6. ALT. 6 - ADD AND INSTALL 5' WIDE GRAVEL WALKING TRAIL.
- NOTES:**
1. PA SPEAKERS SHALL BE MOUNTED ON LP-1 AND LP-2
 2. SYNTHETIC TRACK SURFACING WILL BE PROVIDED BY OTHERS. CONTRACTOR SHALL PREPARE THE ASPHALT PAVEMENT TO ACCEPT SURFACING AND SHALL COORDINATE WITH SURFACING CONTRACTOR TO MEET SCHEDULE.

REVISIONS

NO.	DATE	DESCRIPTION
2	7/8/15	DEM COMMENT
1	6/24/15	DEM COMMENT

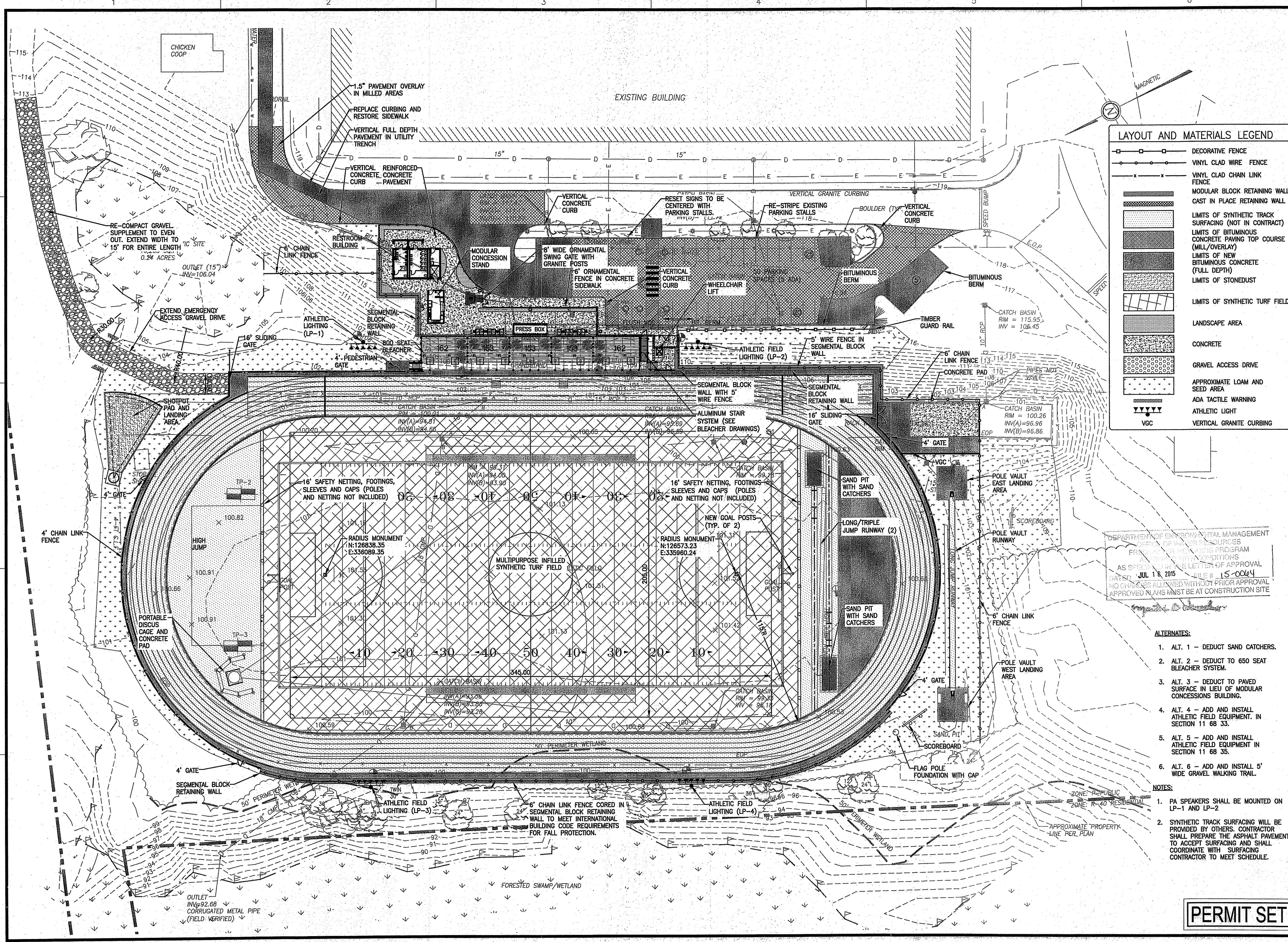
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DESIGNED BY	LAB
DRAWN BY	HAM
CHECKED BY	WJS/IMP
DATE	03/30/2015
DRAWING SCALE	1"=30'

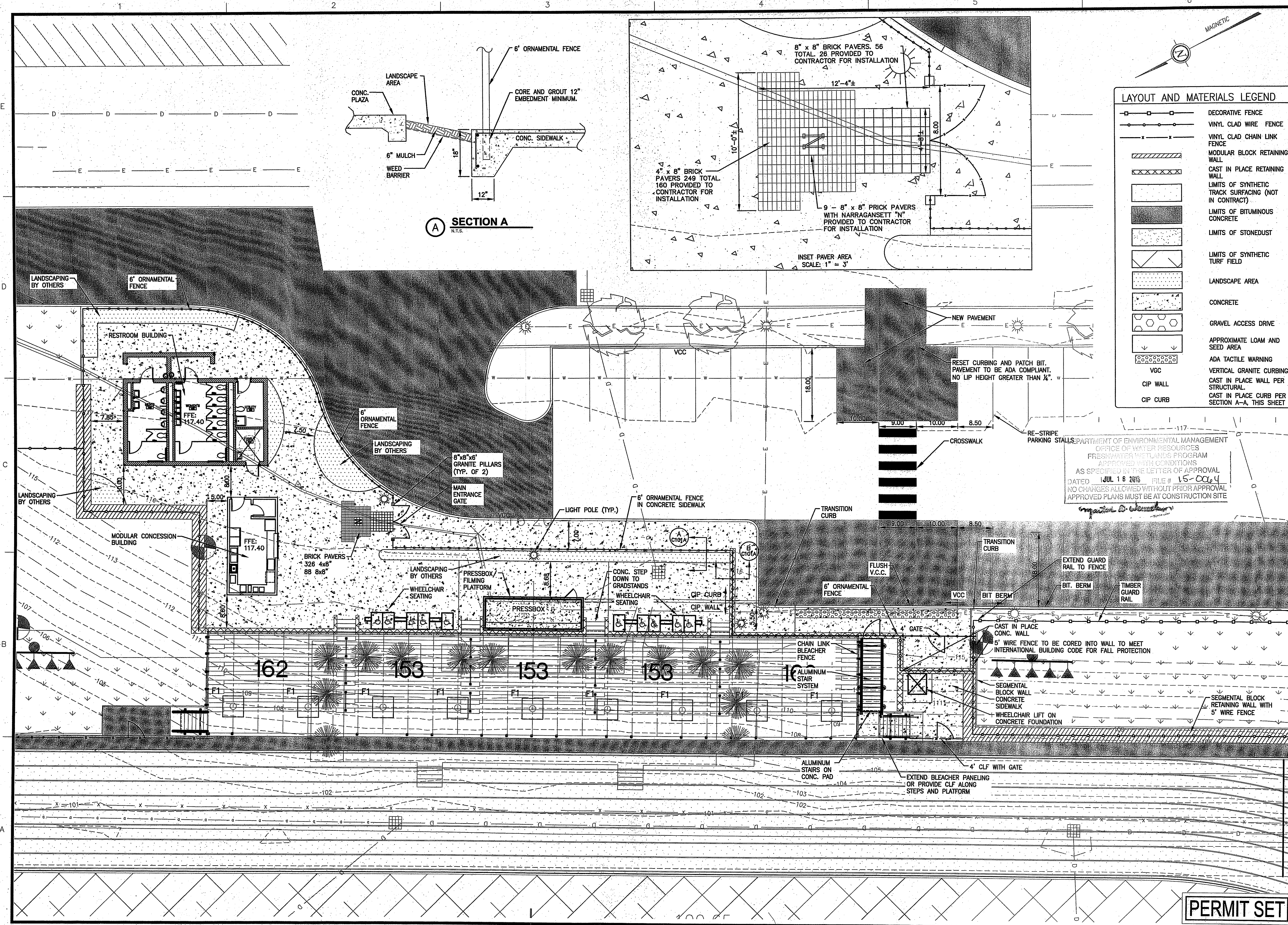
GRAPHIC SCALE
0 30' 60'

SHEET TITLE
LAYOUT AND MATERIALS PLAN TRACK AND FIELD
JOHN M. PERRY

No. 7-815 9406
REGISTERED PROFESSIONAL ENGINEER CIVIL
DRAWING NO. **C101**
SHEET 6 OF 28
PROJECT NO. 716800

PERMIT SET





LAYOUT AND MATERIALS LEGEND

	DECORATIVE FENCE
	VINYL CLAD WIRE FENCE
	VINYL CLAD CHAIN LINK FENCE
	MODULAR BLOCK RETAINING WALL
	CAST IN PLACE RETAINING WALL
	LIMITS OF SYNTHETIC TRACK SURFACING (NOT IN CONTRACT)
	LIMITS OF BITUMINOUS CONCRETE
	LIMITS OF STONEDUST
	LIMITS OF SYNTHETIC TURF FIELD
	LANDSCAPE AREA
	CONCRETE
	GRAVEL ACCESS DRIVE
	APPROXIMATE LOAM AND SEED AREA
	ADA TACTILE WARNING
	VGC
	CIP WALL
	CIP CURB
	VERTICAL GRANITE CURBING
	CAST IN PLACE WALL PER STRUCTURAL
	CAST IN PLACE CURB PER SECTION A-A, THIS SHEET

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OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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DATED JUL 16 2015 FILE # 15-0064
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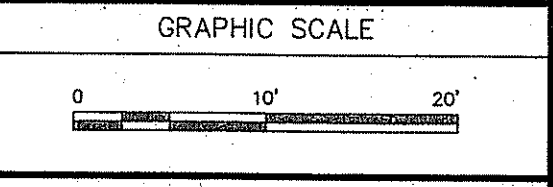
PROJECT
COMMUNITY ATHLETIC COMPLEX
NARRAGANSETT HIGH SCHOOL
245 SOUTH PIER ROAD
NARRAGANSETT, RI 02882

OWNER
NARRAGANSETT SCHOOL SYSTEM
25 FIFTH AVENUE
NARRAGANSETT, RI 02882

REVISIONS

NO.	DATE	DESCRIPTION

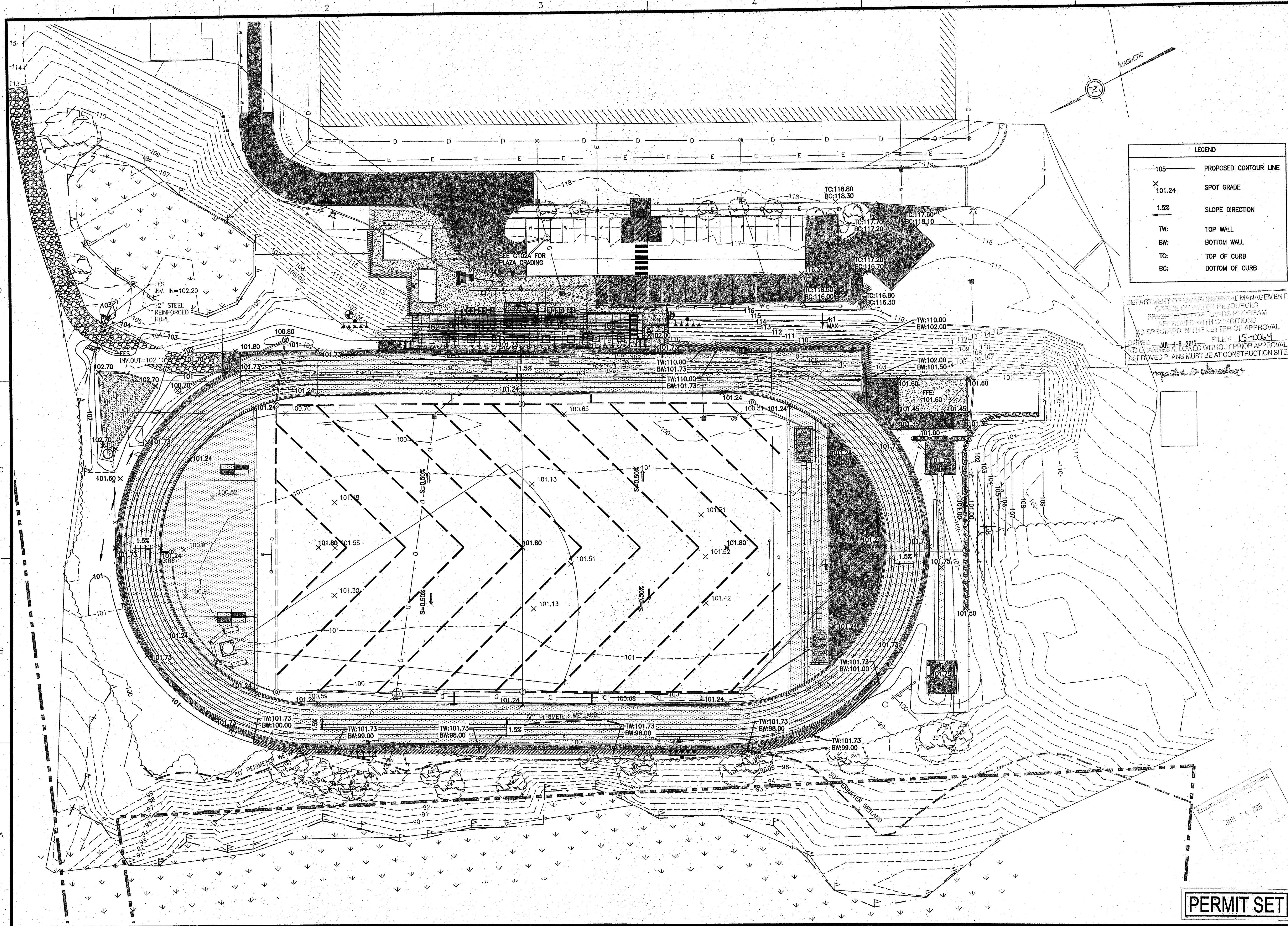
CADD FILE	716800_C101
DESIGNED BY	HAM
DRAWN BY	WJS/JMP
CHECKED BY	WJS/JMP
DATE	06/24/15
DRAWING SCALE	1"=10'



SHEET TITLE
LAYOUT AND MATERIALS PLAN
PLAZA AREA
(10' SCALE)

JOHN M. PERRY
6/24/15
REG. PROFESSIONAL ENGINEER
CIVIL
9406
DRAWING NO.
C101A
SHEET 7 OF 28
PROJECT NO. 716800

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LEGEND	
— 105 —	PROPOSED CONTOUR LINE
X	SPOT GRADE
1.5%	SLOPE DIRECTION
TW:	TOP WALL
BW:	BOTTOM WALL
TC:	TOP OF CURB
BC:	BOTTOM OF CURB

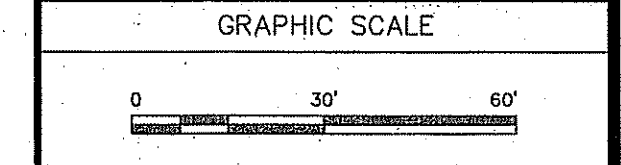
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FREE-STATE PLANNING PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 16 2015 FILE # 15-0064
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PROJECT
COMMUNITY ATHLETIC COMPLEX
NARRAGANSETT HIGH SCHOOL
245 SOUTH PIER ROAD
NARRAGANSETT, RI 02882

OWNER
NARRAGANSETT SCHOOL SYSTEM
25 FIFTH AVENUE
NARRAGANSETT, RI 02882

REVISIONS		
NO.	DATE	DESCRIPTION

CADD FILE	716800_C102
DESIGNED BY	
DRAWN BY	HAM
CHECKED BY	WJS/JMP
DATE	06/24/15
DRAWING SCALE	1"=30'



SHEET TITLE

GRADING PLAN
TRACK AND FIELD

JOHN M. PERRY
 6-24-15
 No. 9406
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

DRAWING NO.
C102
 SHEET 8 OF 28
 PROJECT NO. 716800

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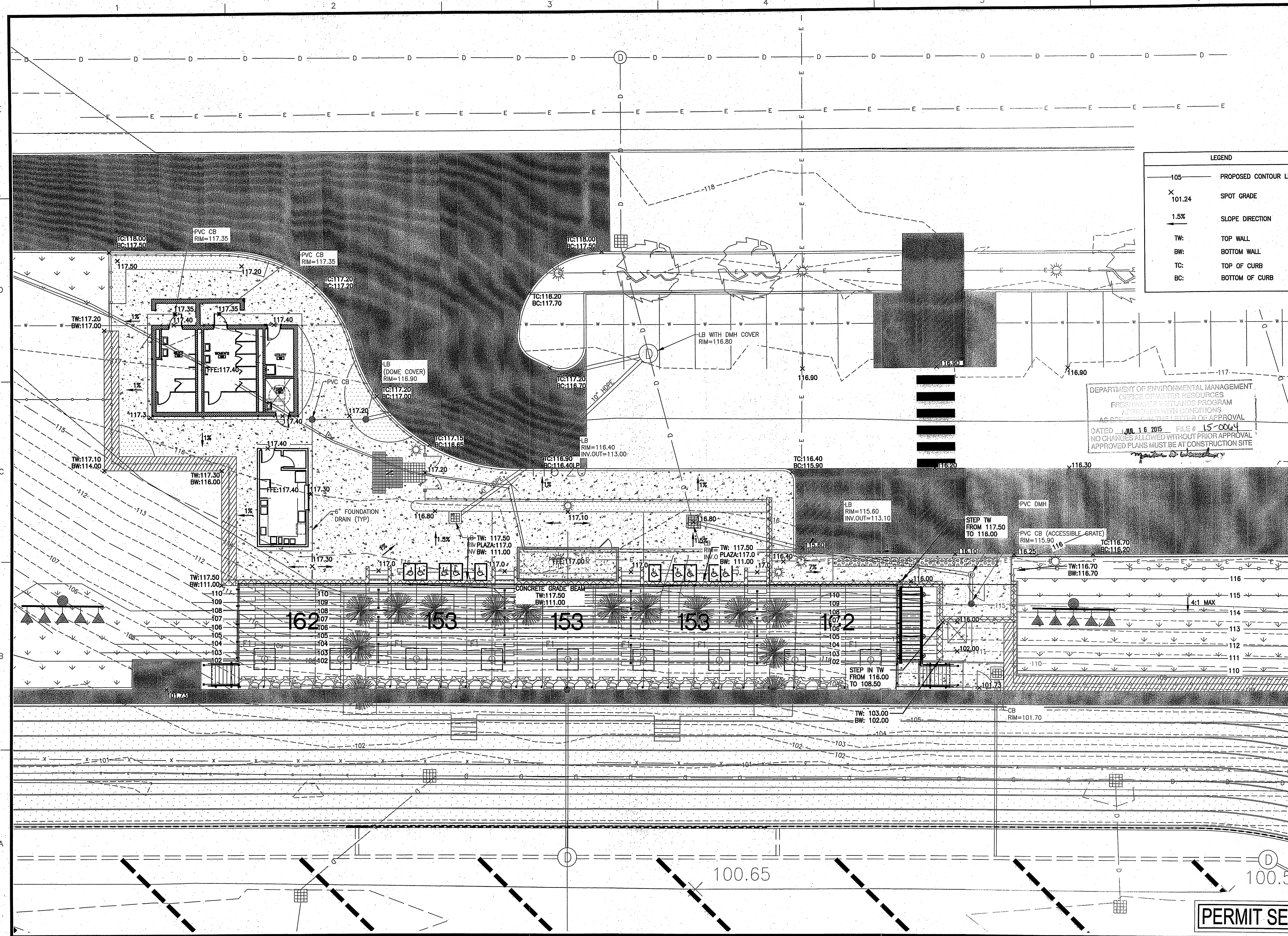
Environmental Management
 JUN 26 2015

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LEGEND	
— 105 —	PROPOSED CONTOUR LINE
X 101.24	SPOT GRADE
1.5%	SLOPE DIRECTION
TW:	TOP WALL
BW:	BOTTOM WALL
TC:	TOP OF CURB
BC:	BOTTOM OF CURB

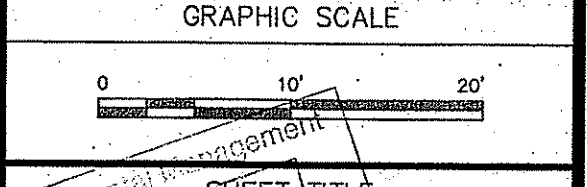
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATERS RESOURCES
 FRESHWATER WETLANDS PROGRAM
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 COMMUNITY ATHLETIC COMPLEX
 NARRAGANSETT HIGH SCHOOL
 245 SOUTH PIER ROAD
 NARRAGANSETT, RI 02882

OWNER
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 NARRAGANSETT, RI 02882

REVISIONS	
NO.	DESCRIPTION

CADD FILE	716800_C102
DESIGNED BY	
DRAWN BY	HAM
CHECKED BY	WJS/JMP
DATE	06/24/15
DRAWING SCALE	1"=10'



SHEET TITLE
 JUN 26 2015
 GRADING PLAN
 PLAZA AREA

JOHN M. PERRY
 No. 9408
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 DRAWING NO.
 C102A
 SHEET 9 OF 28
 PROJECT NO. 716800

PERMIT SET

P:\216800\216800\Permit Set\716800_C102.dwg, C102A



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DRAINAGE LEGEND

	HDPE PIPE
	FLAT PANEL COLLECTOR PIPE
	ACO 4000 TRENCH DRAIN
	ACO 2000 SLOT DRAIN
	DRAIN MANHOLE
	ACO TRENCH CATCH BASIN
	CATCH BASIN
	LEACHING BASIN

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER RESOURCES PROGRAM
 APPROVAL OF THIS PROGRAM
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED 1/18/15 FILE # 15-0064
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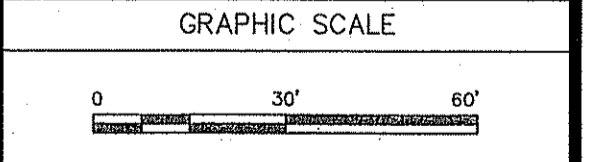
PROJECT
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 NARRAGANSETT, RI 02882

REVISIONS

NO.	DATE	DESCRIPTION
2	7/8/15	DEM COMMENT
1	6/24/15	DEM COMMENT

CADD FILE 716800_C103
 DESIGNED BY
 DRAWN BY HAM
 CHECKED BY WJS/JMP
 DATE 03/30/2015
 DRAWING SCALE 1"=30'

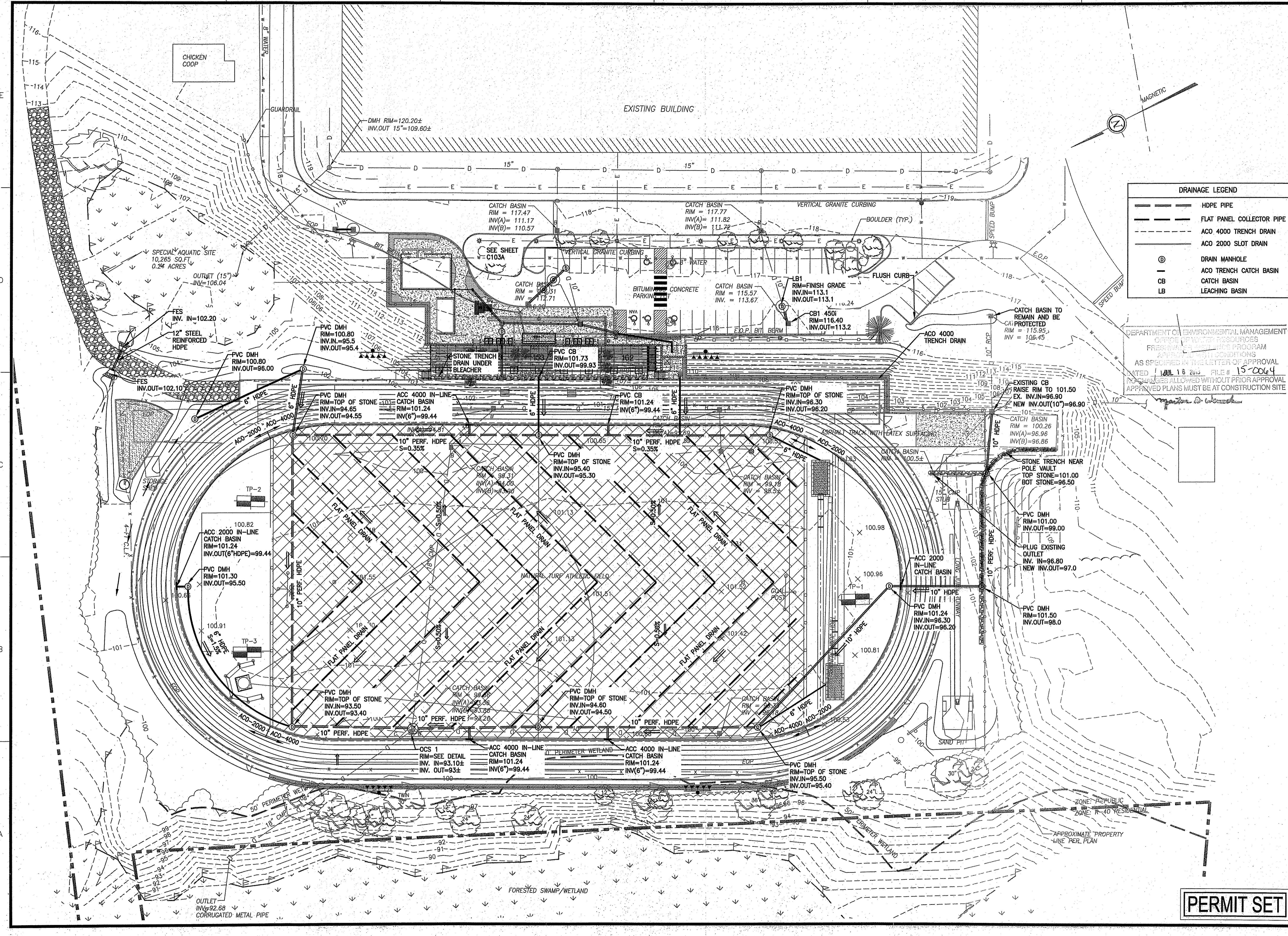


SHEET TITLE

DRAINAGE PLAN
TRACK AND FIELD

JOHN W. PERRY
 7-8-15
 No. 9406
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

DRAWING NO.
C103
 SHEET 10 OF 28
 PROJECT NO. 716800



PERMIT SET



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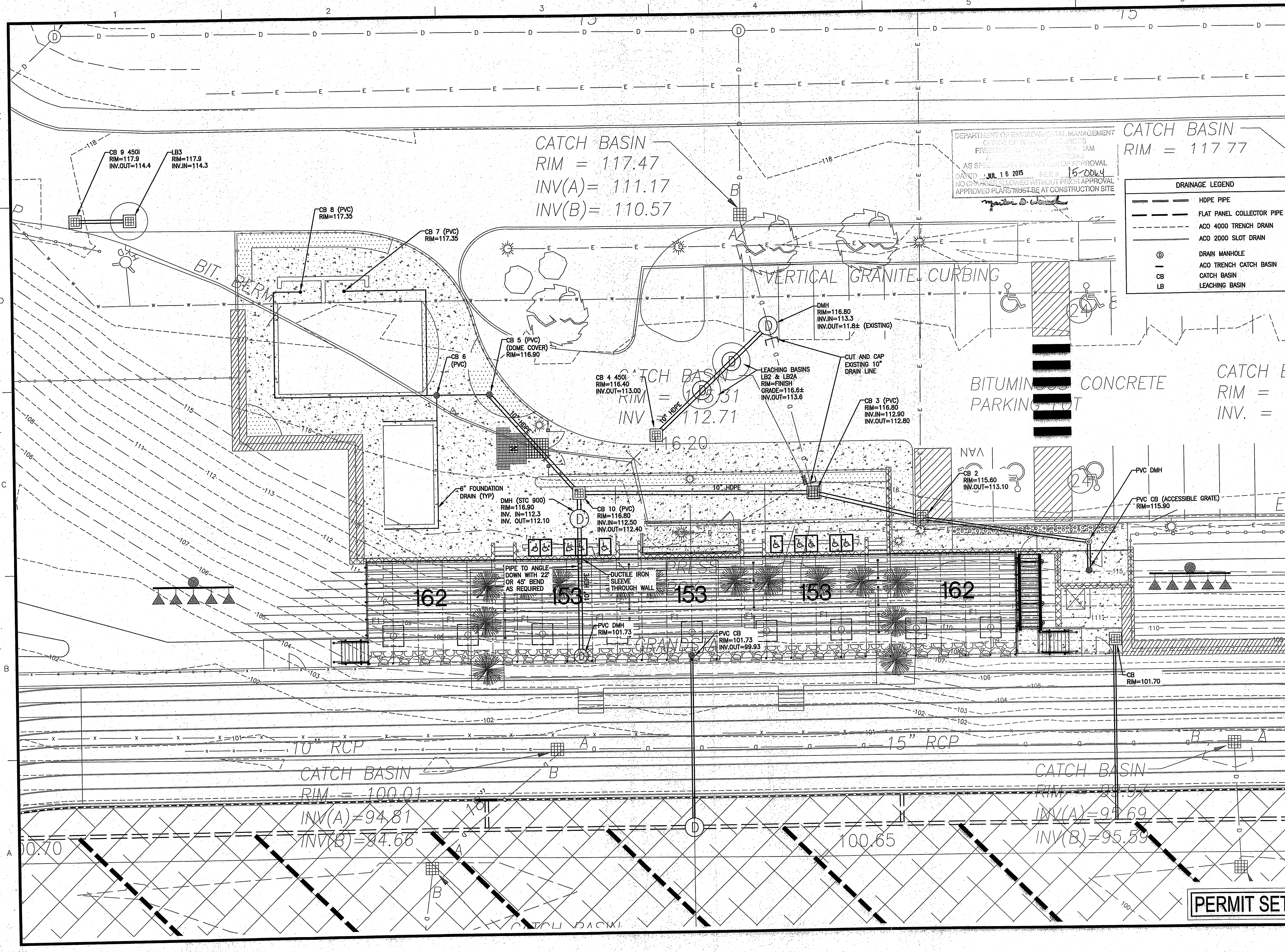
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 OFFICE OF WATER RESOURCES
 FREEDOM OF ACCESS TO PUBLIC RECORDS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 16 2015 FILE # 16-0064
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Maxine B. Woodard

CATCH BASIN
 RIM = 117.77

DRAINAGE LEGEND

	HDPE PIPE
	FLAT PANEL COLLECTOR PIPE
	ACO 4000 TRENCH DRAIN
	ACO 2000 SLOT DRAIN
	DRAIN MANHOLE
	ACO TRENCH CATCH BASIN
	CATCH BASIN
	LEACHING BASIN



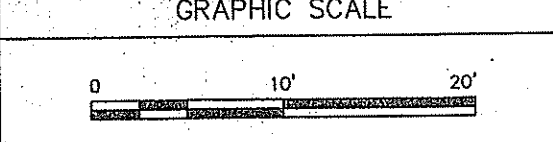
PROJECT
 COMMUNITY ATHLETIC COMPLEX
 NARRAGANSETT HIGH SCHOOL
 245 SOUTH PIER ROAD
 NARRAGANSETT, RI 02882

OWNER
 NARRAGANSETT SCHOOL SYSTEM
 25 FIFTH AVENUE
 NARRAGANSETT, RI 02882

REVISIONS

NO.	DATE	DESCRIPTION
2	7/8/15	DEM COMMENT
1	6/24/15	DEM COMMENT

CADD FILE: 716800_C103
 DESIGNED BY: [blank]
 DRAWN BY: HAM
 CHECKED BY: WJS/JMP
 DATE: 03/30/2015
 DRAWING SCALE: 1"=10'



SHEET TITLE
 DRAINAGE PLAN
 PLAZA AREA

JOHN M. PERRY
 7-815
 No. 9404
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

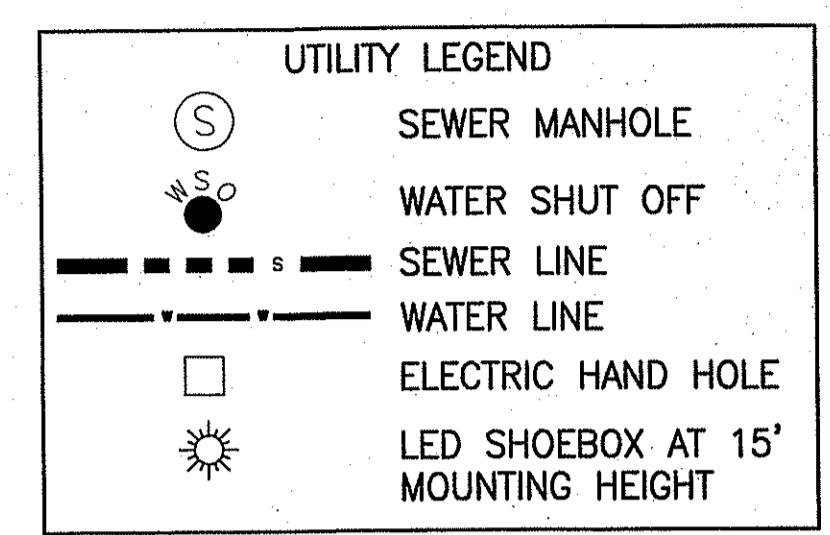
DRAWING NO.
C103A
 SHEET 11 OF 28
 PROJECT NO. 716800

PERMIT SET



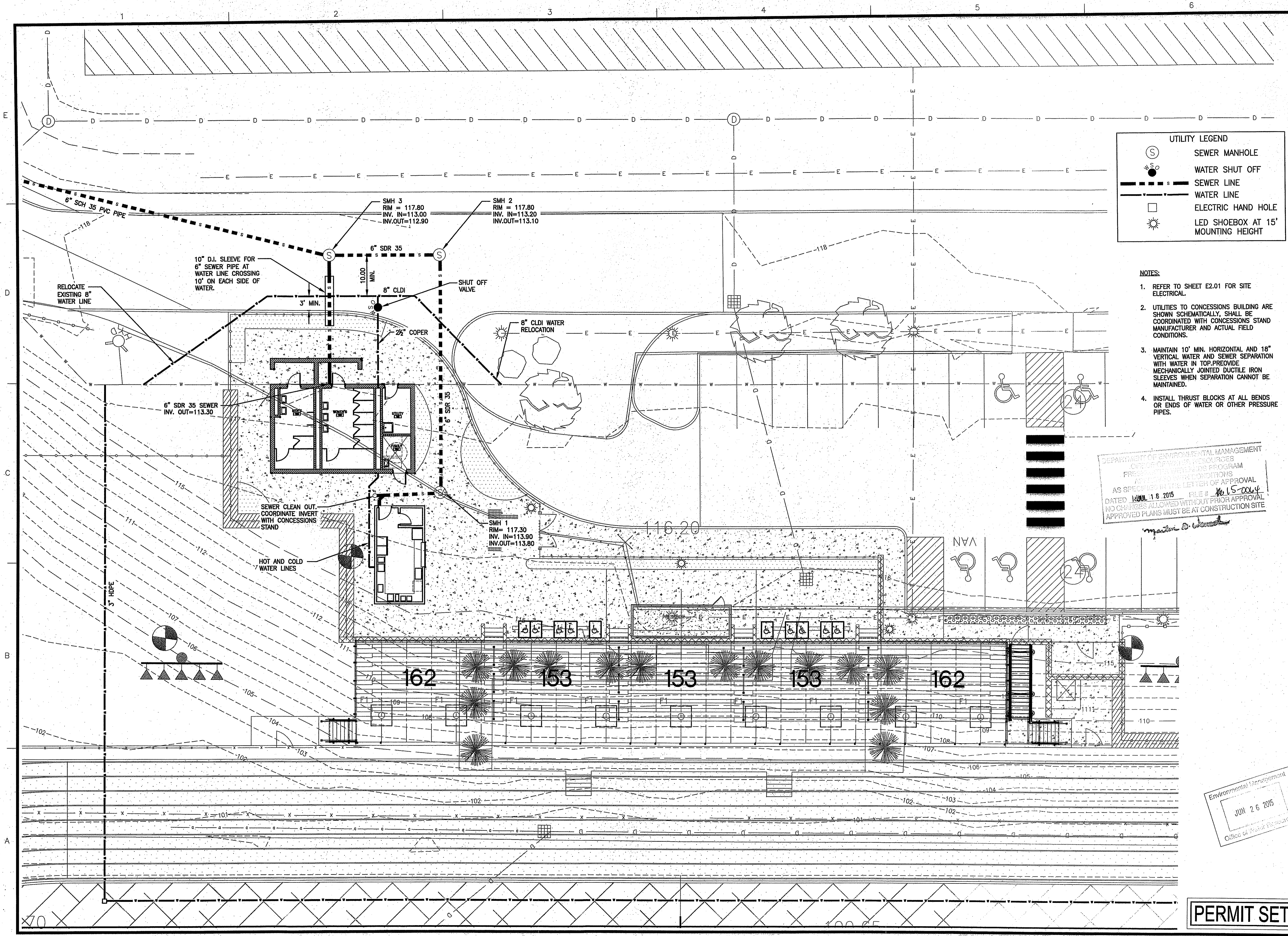
Gale Associates, Inc.
 Engineers and Planners
 163 LIBBEY PARKWAY | WEYMOUTH, MA 02189
 P 781.335.6465 F 781.335.6467
 www.gainc.com
 Boston Baltimore Orlando San Francisco

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- NOTES:**
- REFER TO SHEET E2.01 FOR SITE ELECTRICAL.
 - UTILITIES TO CONCESSIONS BUILDING ARE SHOWN SCHEMATICALLY, SHALL BE COORDINATED WITH CONCESSIONS STAND MANUFACTURER AND ACTUAL FIELD CONDITIONS.
 - MAINTAIN 10' MIN. HORIZONTAL AND 18" VERTICAL WATER AND SEWER SEPARATION WITH WATER IN TOP. PROVIDE MECHANICALLY JOINTED DUCTILE IRON SLEEVES WHEN SEPARATION CANNOT BE MAINTAINED.
 - INSTALL THRUST BLOCKS AT ALL BENDS OR ENDS OF WATER OR OTHER PRESSURE PIPES.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF DEPUTY COMMISSIONER
 PRESIDENT'S PERMITTING PROGRAM
 APPROVED UNDER CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED NOV 16 2015 FILE # 15-004
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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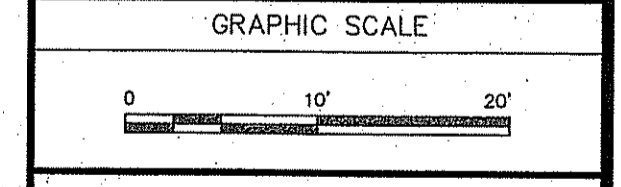
PROJECT
**COMMUNITY ATHLETIC COMPLEX
 NARRAGANSETT HIGH SCHOOL**
 245 SOUTH PIER ROAD
 NARRAGANSETT, RI 02882

OWNER
 NARRAGANSETT SCHOOL SYSTEM
 25 FIFTH AVENUE
 NARRAGANSETT, RI 02882

REVISIONS

NO.	DATE	DESCRIPTION

CADD FILE	716800_C104
DESIGNED BY	
DRAWN BY	HAM
CHECKED BY	WJS/JMP
DATE	06/24/15
DRAWING SCALE	1"=10'



SHEET TITLE
**UTILITY PLAN
 PLAZA AREA**

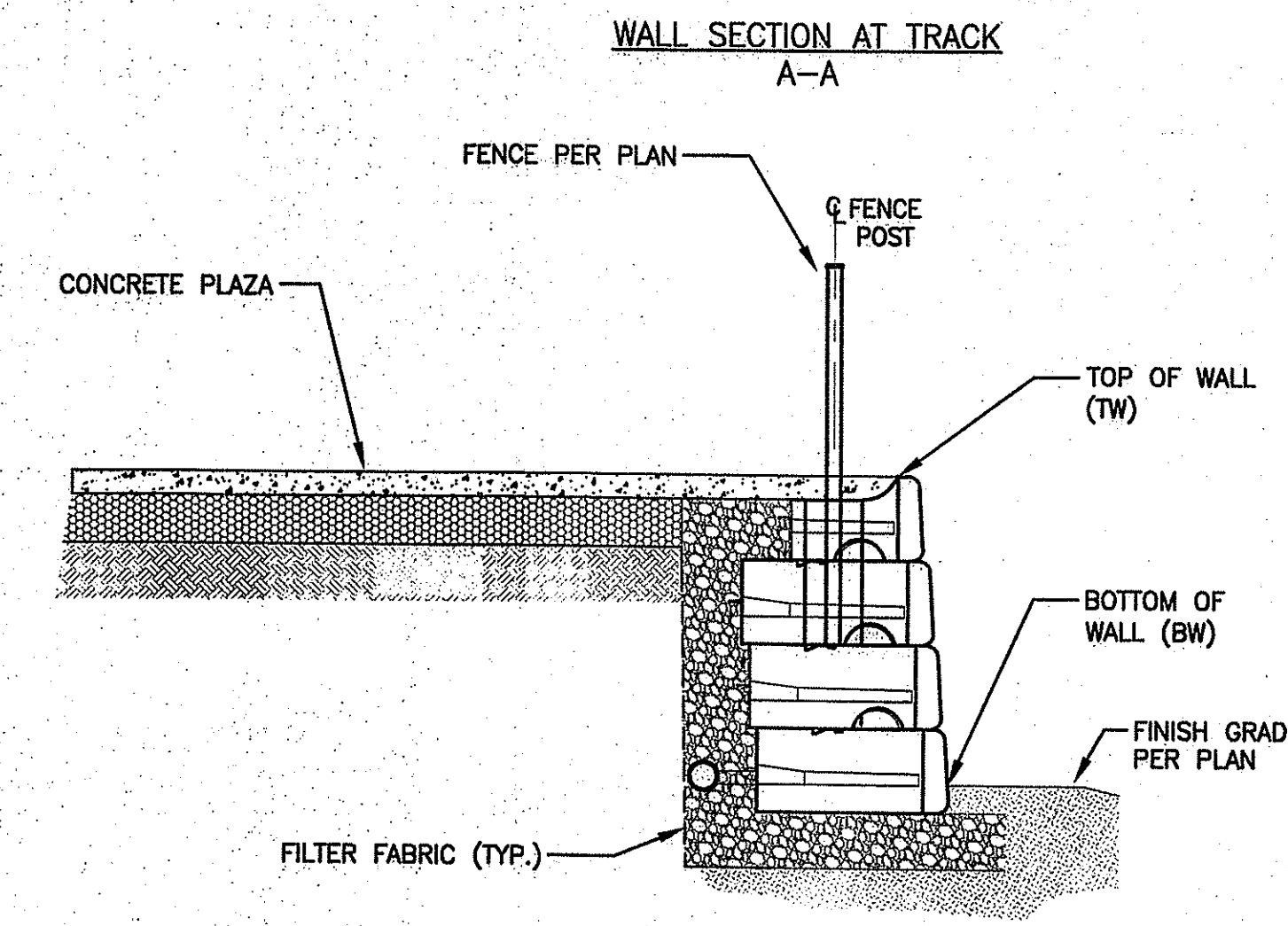
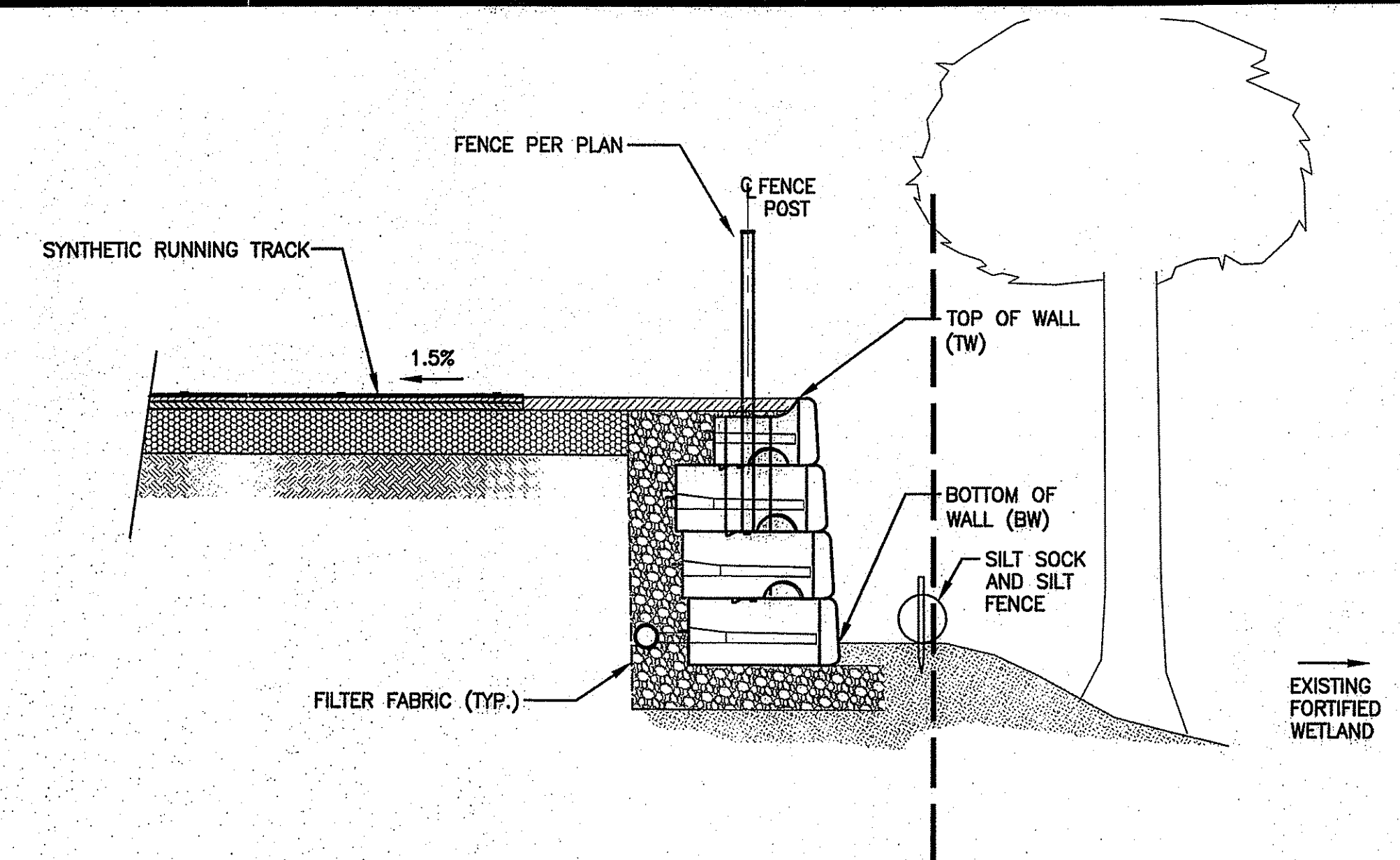
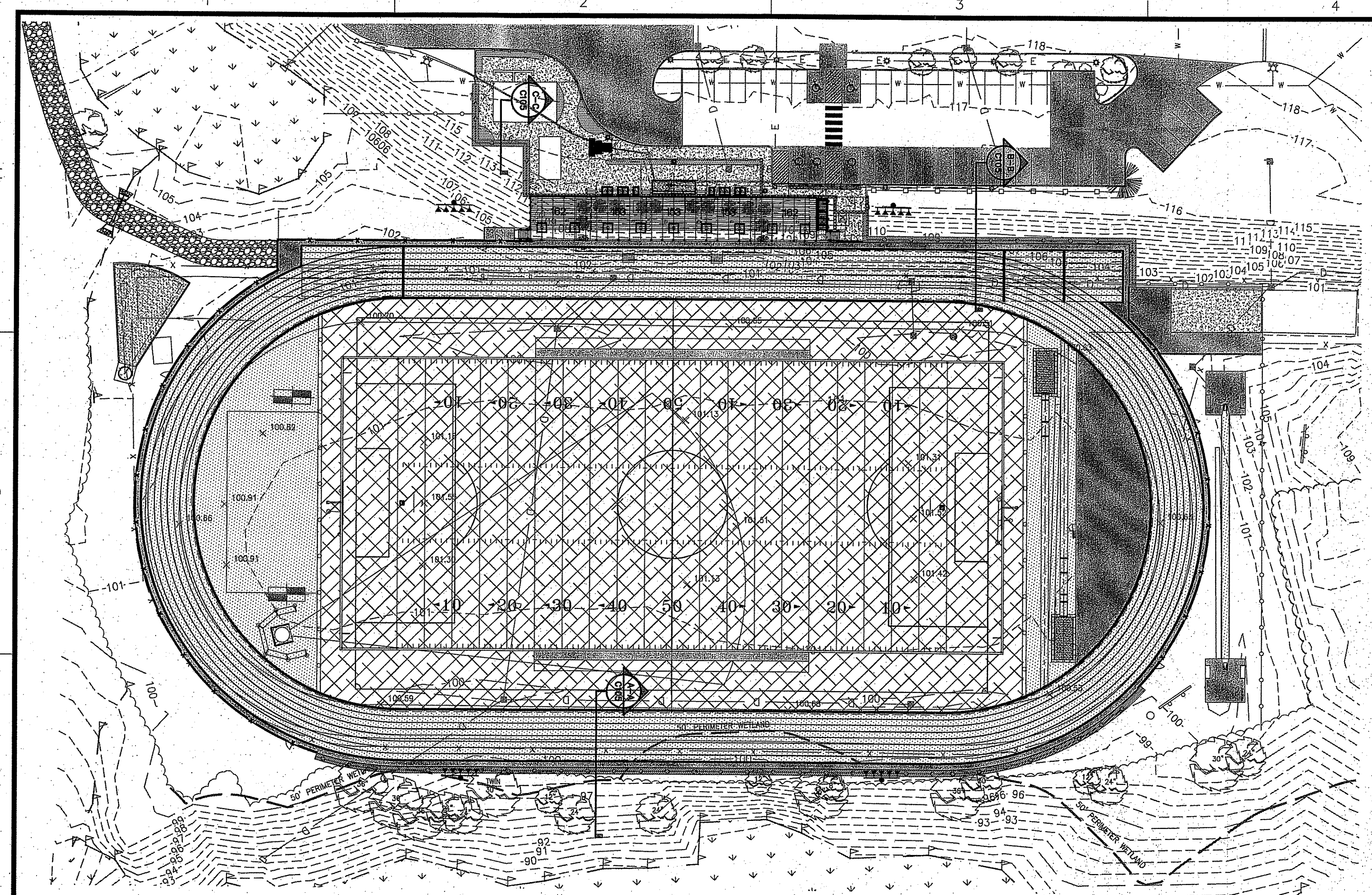
JOHN M. PERRY
 No. 9406
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

DRAWING NO.
C104A
 SHEET 13 OF 28
 PROJECT NO. 716800

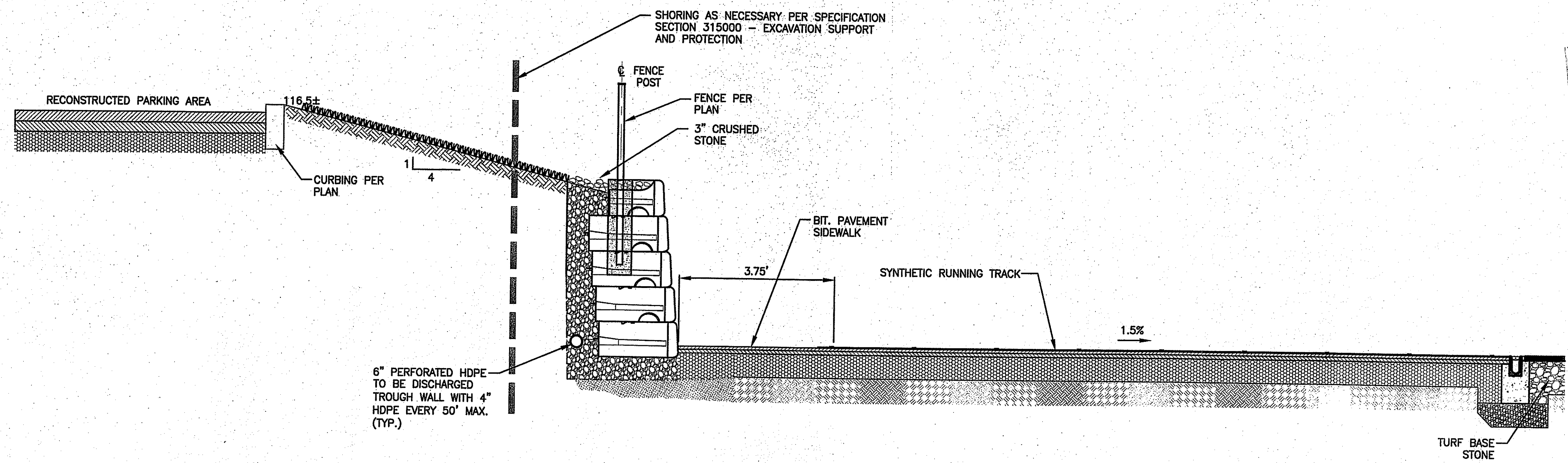
PERMIT SET

Environmental Management
 JUN 26 2015
 Office of Public Procurement

P:\716800\062415\Permit Set\716800_C104.dwg, C104A



WALL SECTION AT PLAZA C-C



WALL SECTION AT TRACK B-B

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Master D. Wood

Environmental Management
 JUN 26 2015
 State of Rhode Island



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PROJECT
 COMMUNITY ATHLETIC COMPLEX
 NARRAGANSETT HIGH SCHOOL
 245 SOUTH PIER ROAD
 NARRAGANSETT, RI 02882

OWNER
 NARRAGANSETT SCHOOL SYSTEM
 25 FIFTH AVENUE
 NARRAGANSETT, RI 02882

REVISIONS		
NO.	DATE	DESCRIPTION

CADD FILE	716800_C105
DESIGNED BY	HAM
DRAWN BY	WJS/JMP
CHECKED BY	WJS/JMP
DATE	06/24/15
DRAWING SCALE	N.T.S.

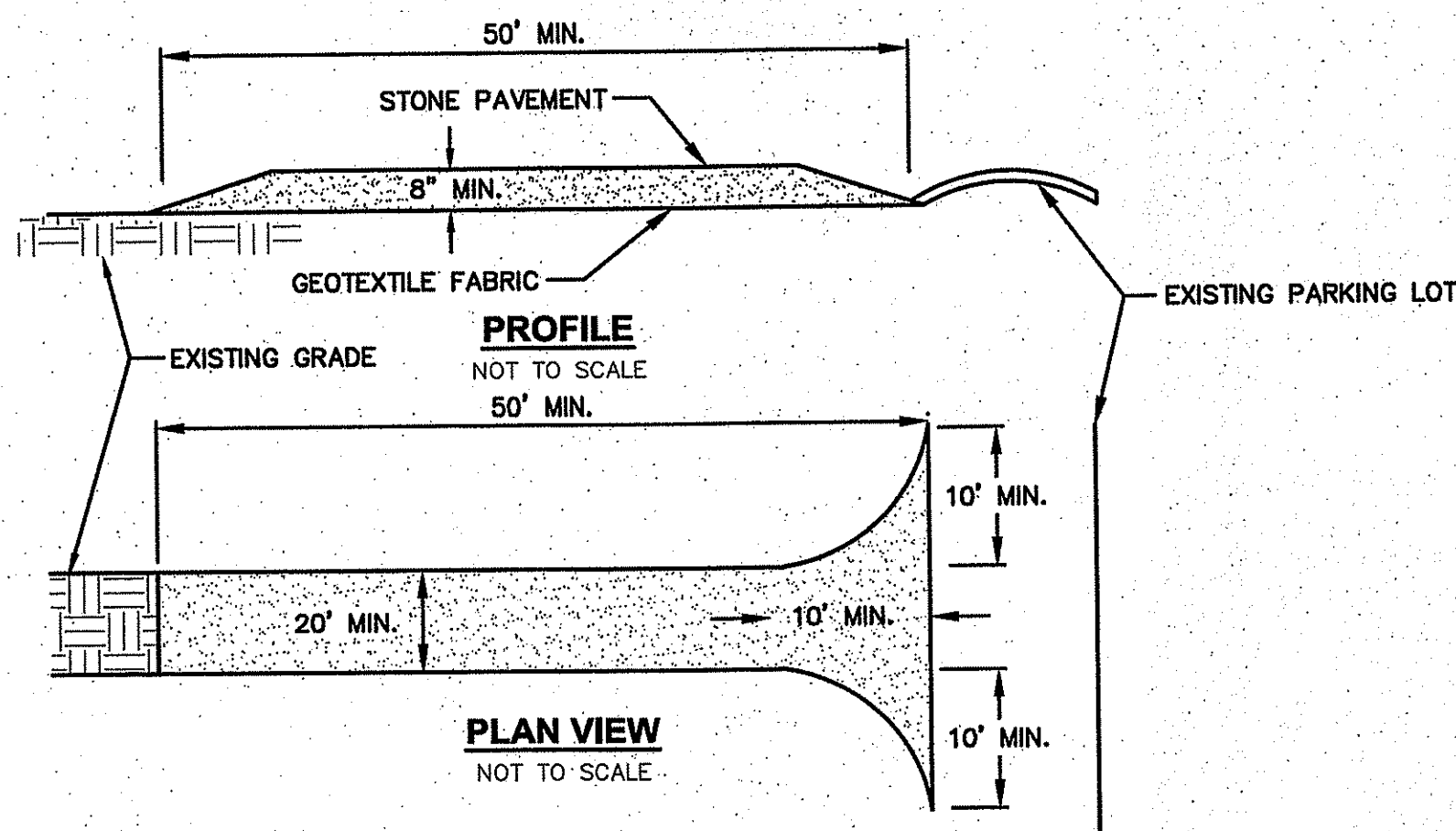
GRAPHIC SCALE

SHEET TITLE

SECTIONS PLAN

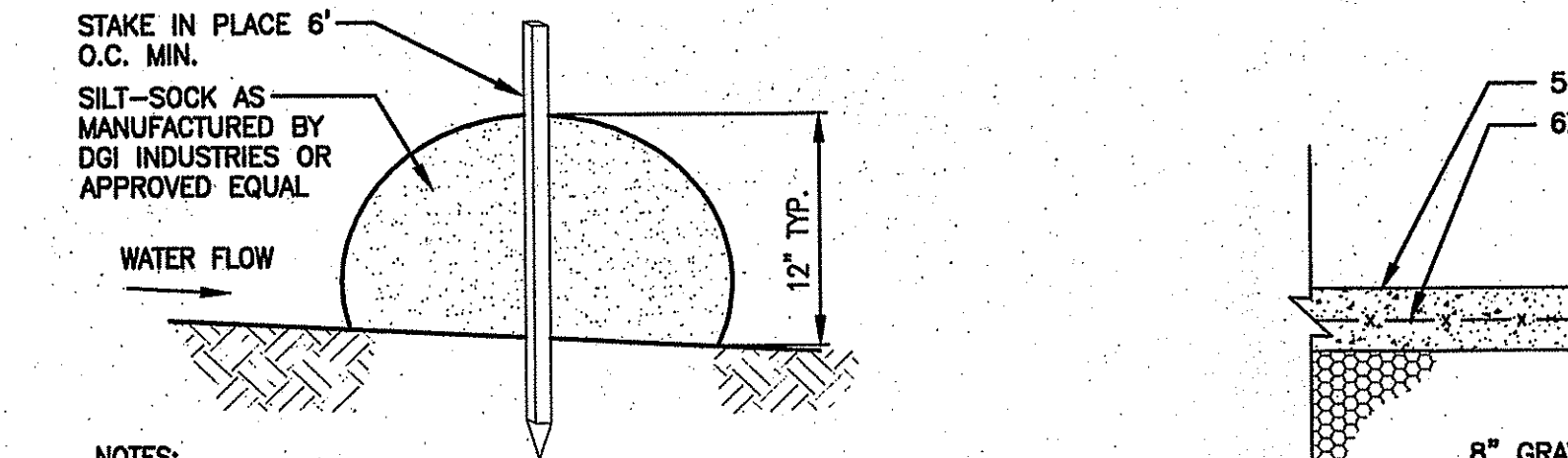
JOHN M. PERRY
 6-24-15
 No. 9406
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 DRAWING NO. C105
 SHEET 14 OF 28
 PROJECT NO. 716800

PERMIT SET



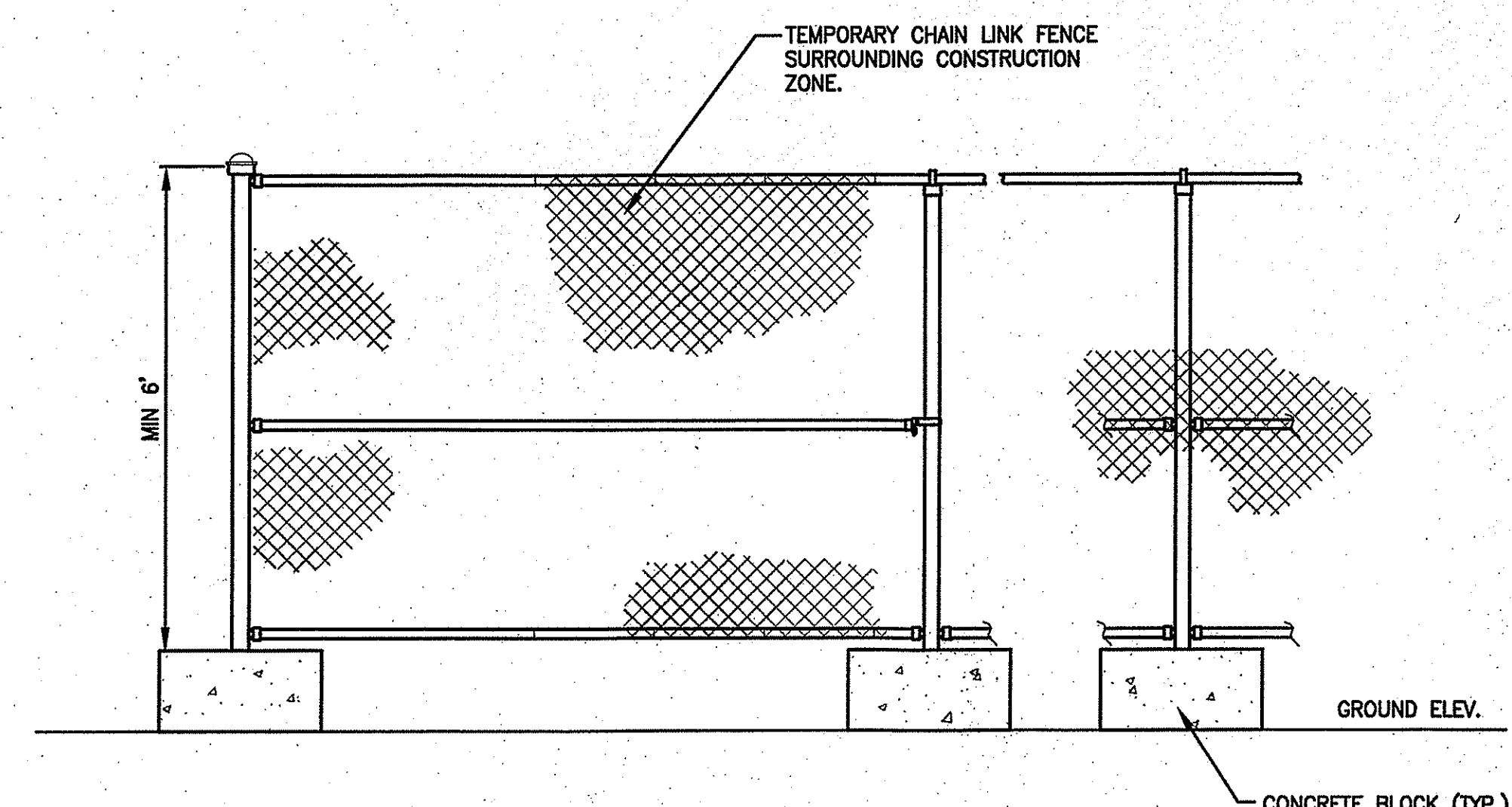
- NOTES:**
1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
 2. LENGTH - NOT LESS THAN 50 FEET.
 3. THICKNESS - NOT LESS THAN (8) INCHES.
 4. WIDTH - TWENTY (20) MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
 5. GEOTEXTILE FABRIC - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. GEOTEXTILE FABRIC SHALL BE MIRIFI 500X WOVEN FABRIC OR APPROVED EQUAL.
 6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
 7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
 8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

1 STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

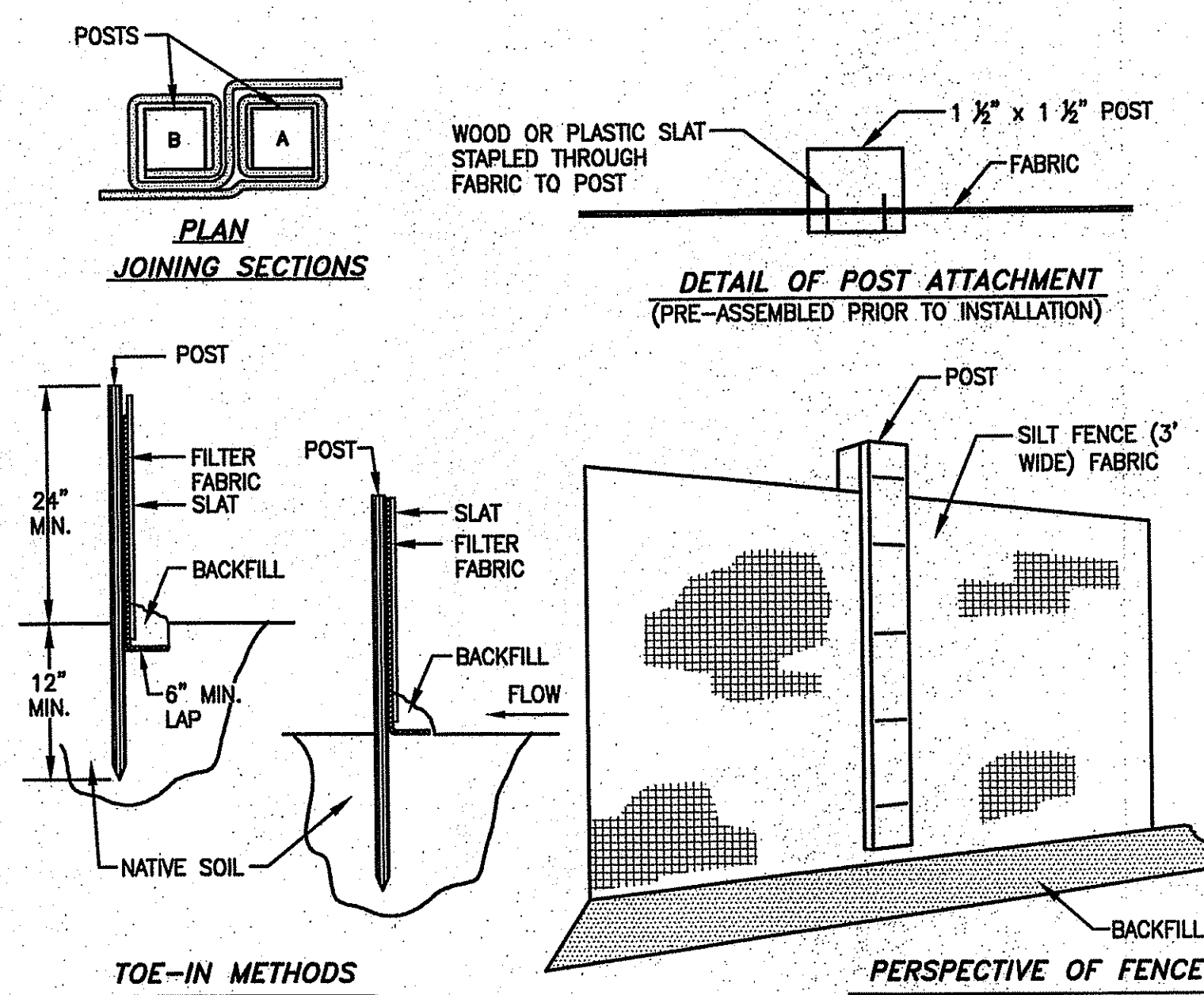


- NOTES:**
1. THE CONTRACTOR SHALL MAINTAIN THE EROSION CONTROL BERM IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.
 2. WHERE THE BERM REQUIRES REPAIR, IT SHALL BE ROUTINELY REPAIRED.
 3. THE CONTRACTOR SHALL REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE BERM WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE BERM, OR AS DIRECTED BY THE ENGINEER.

4 SILT SOCK EROSION CONTROL DETAIL
N.T.S.



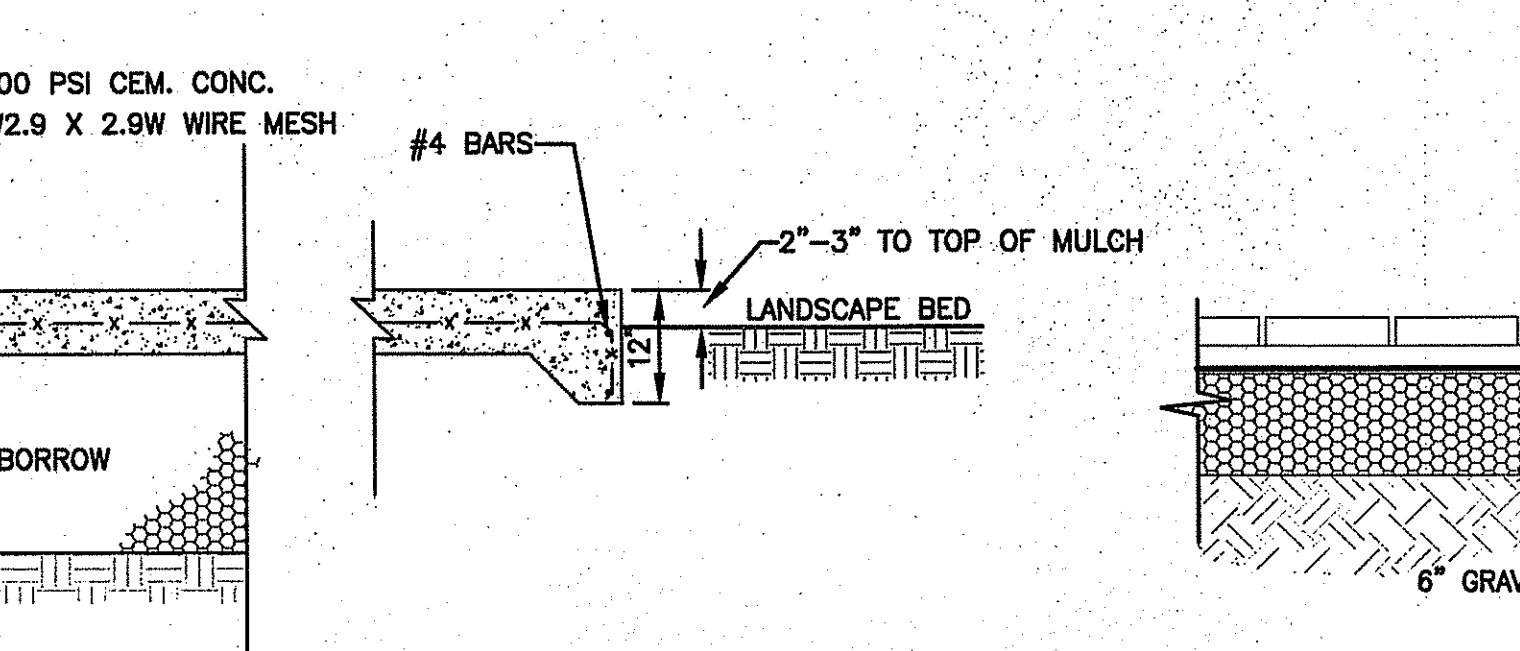
13 TEMPORARY CONSTRUCTION FENCE DETAIL
N.T.S.



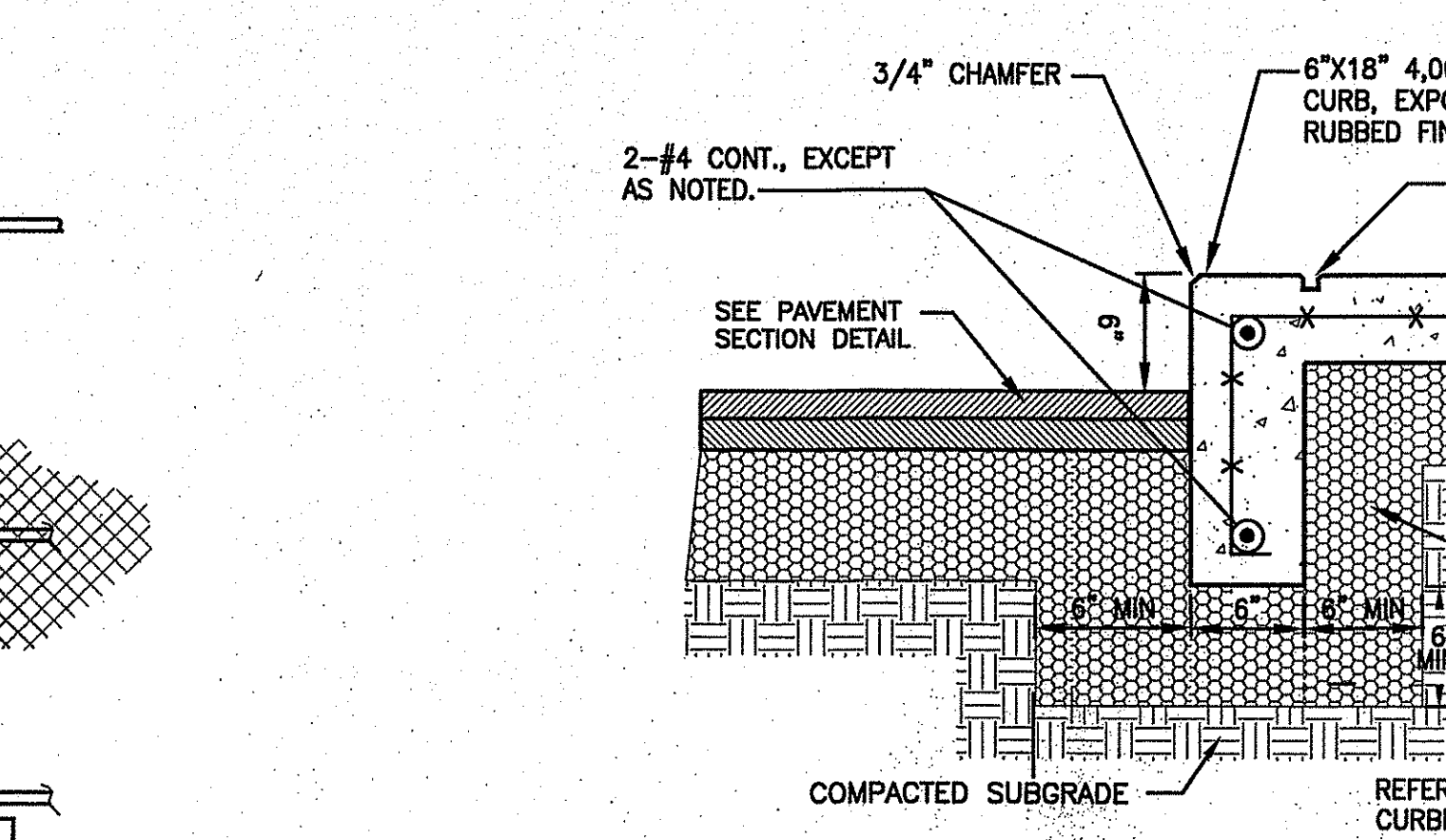
- TOE-IN METHODS**
- NOTES:**
1. EXCAVATE A 6"x6" TRENCH ALONG THE LINE OF EROSION CONTROL OF THE SITE.
 2. UNROLL SILTATION FENCE AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH (NET SIDE AWAY FROM FLOW DIRECTION).
 3. DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS LAYING ACROSS THE TRENCH BOTTOM.
 4. LAY THE TOE-IN FLAP OF THE FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH. BACKFILL THE TRENCH AND TAMP THE SOIL. TOE-IN CAN ALSO BE ACCOMPLISHED BY LAYING FABRIC FLAP ON UNDISTURBED GROUND AND PILING & TAMPING FILL AT THE BASE.

3 MATERIAL STOCKPILE AREA DETAIL
N.T.S.

2 SILTATION FENCE DETAIL
N.T.S.

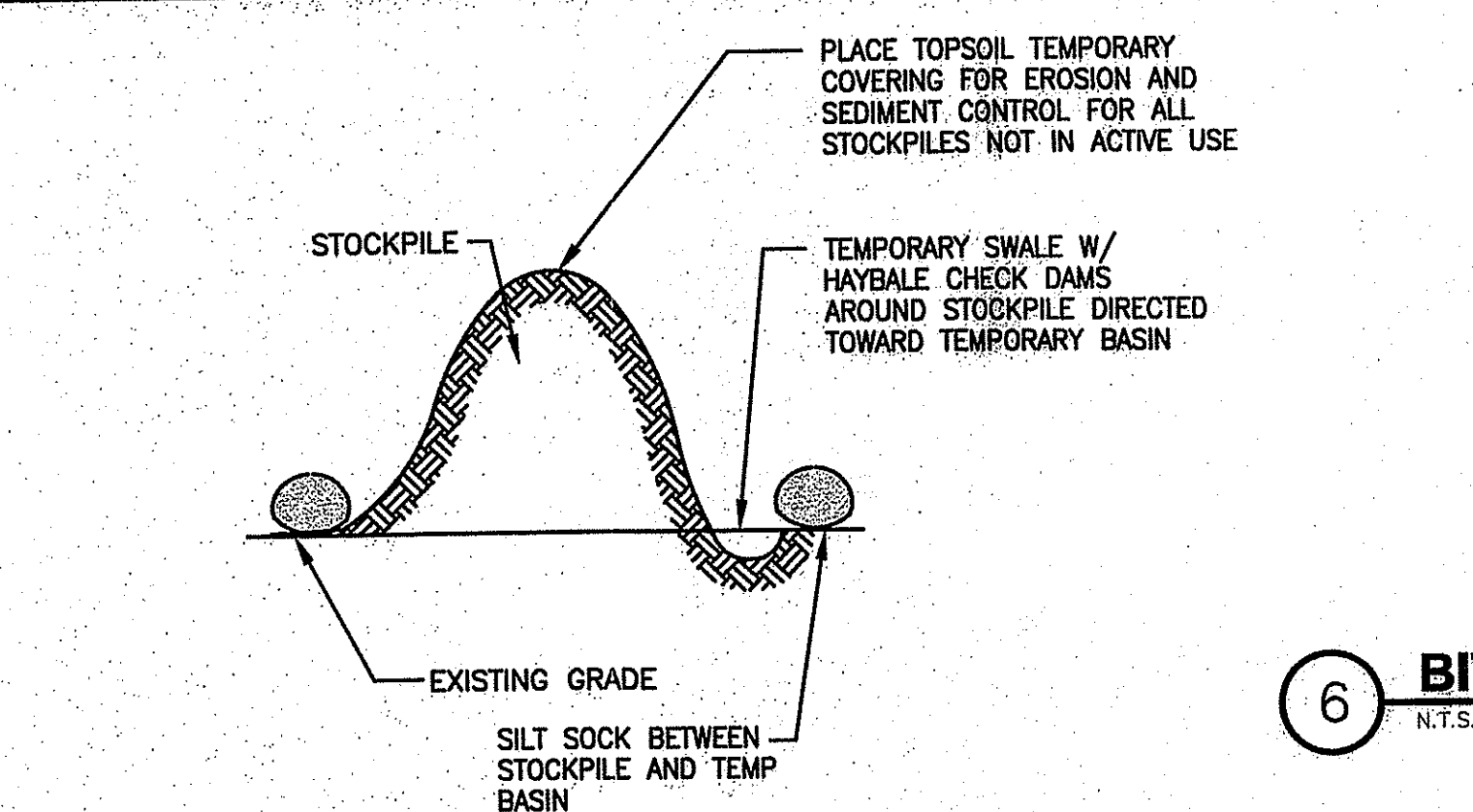


5 CONCRETE SIDEWALK SECTION
N.T.S.

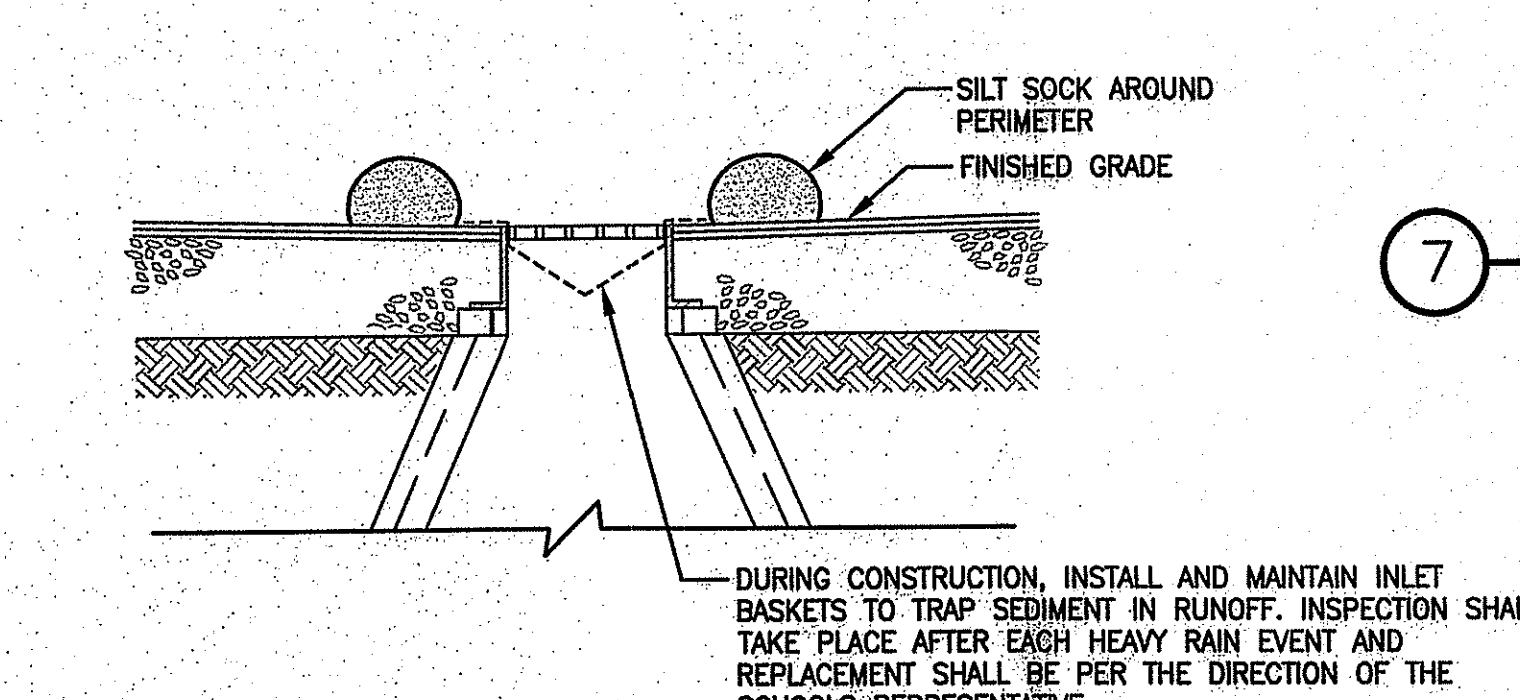


- NOTES:**
1. SIDEWALK TO HAVE TOOLED JOINTS IN A 5' x 5' (TYP.) GRID WITH EXPANSION JOINTS 15' ON CENTER AND PRE MOLDED FILLER.
 2. TOOLED JOINT 6" FROM FACE OF CURB
 3. SEE PLAN FOR ELEVATIONS AT CURB

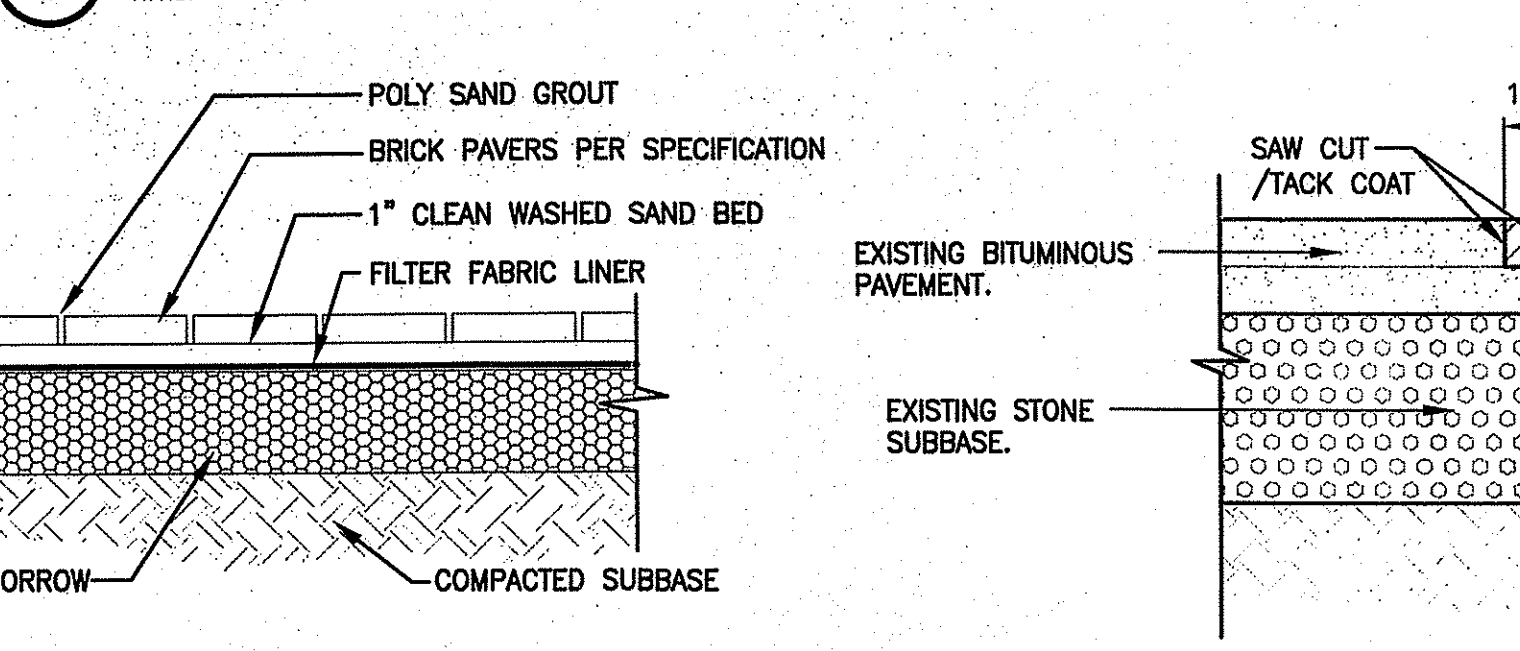
9 VERTICAL CONCRETE CURB (VCC) AT SIDEWALK
N.T.S.



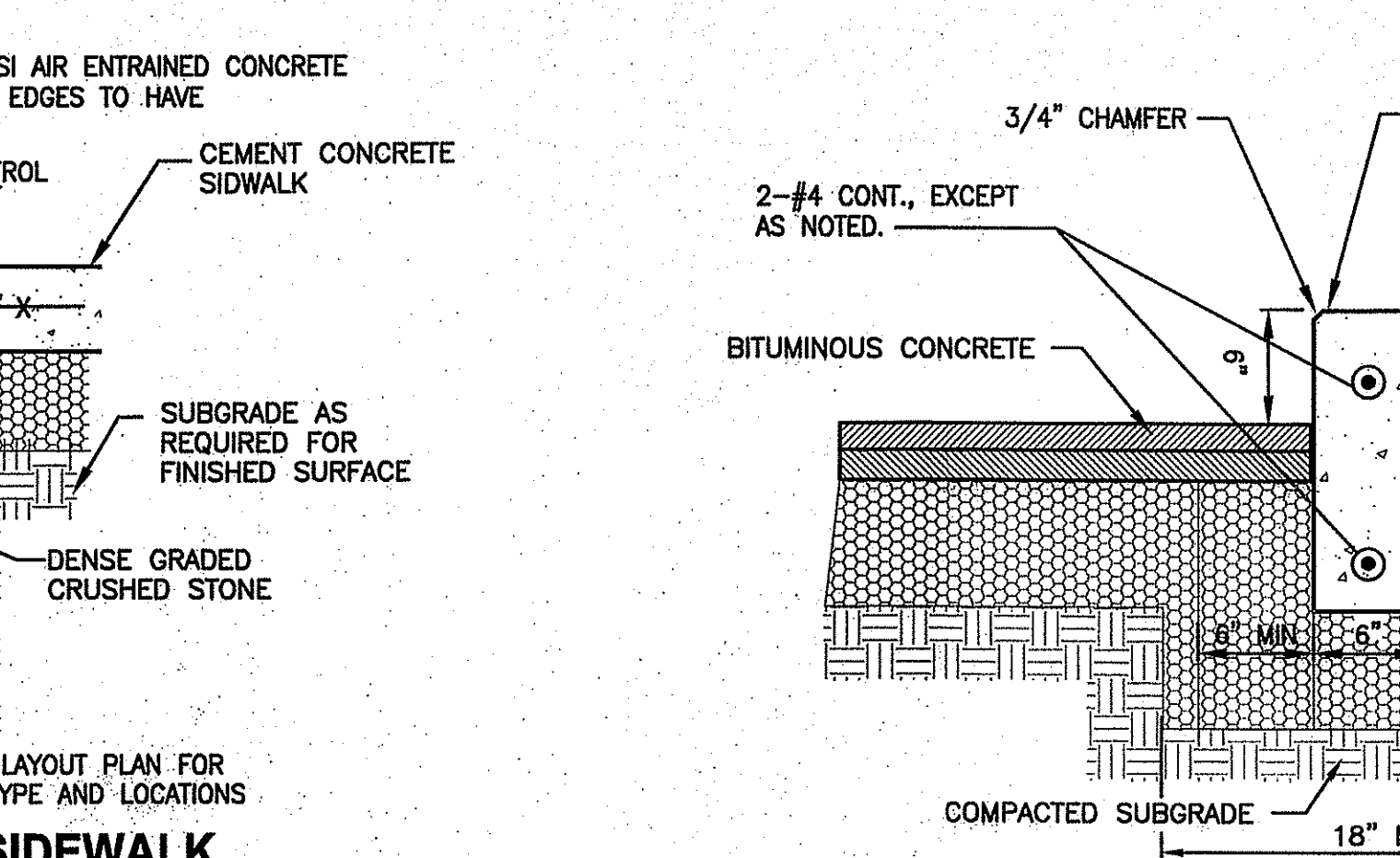
3 MATERIAL STOCKPILE AREA DETAIL
N.T.S.



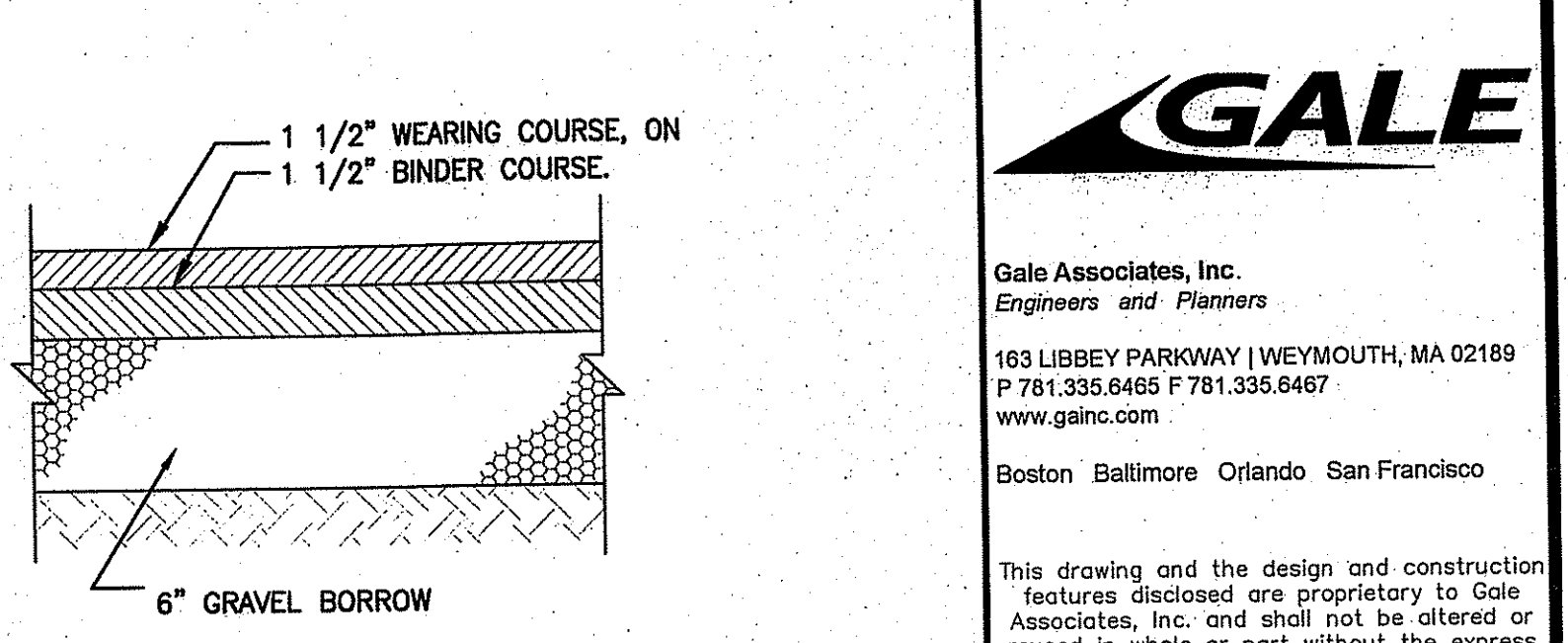
8 CATCH BASIN SEDIMENT CONTROL DETAIL
N.T.S.



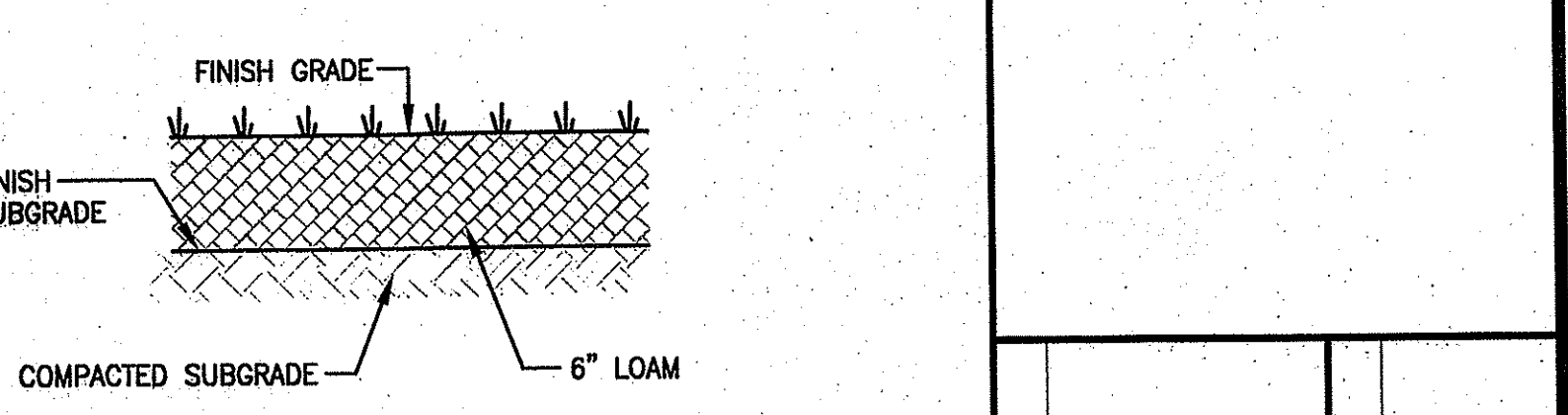
10 BRICK PAVERS
N.T.S.



12 VERTICAL CONCRETE CURB (VCC) AT LANDSCAPING
N.T.S.

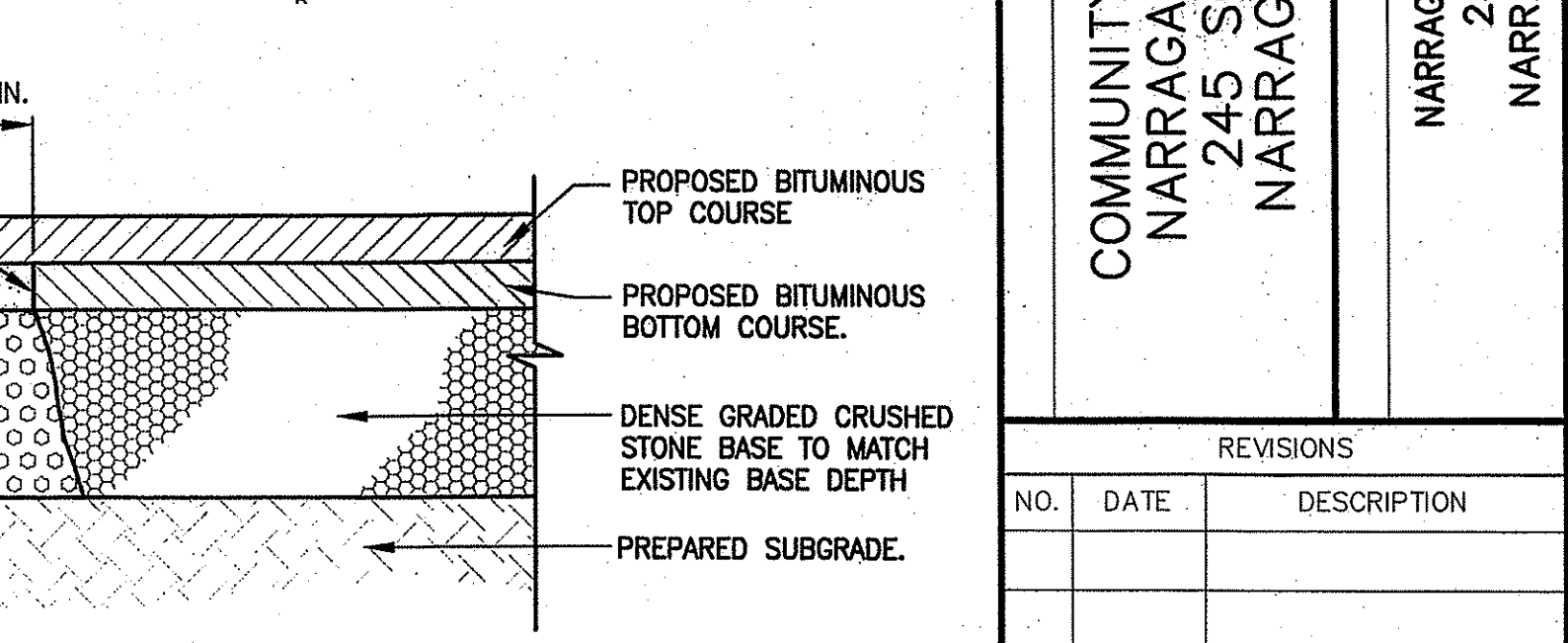


6 BITUMINOUS CONCRETE SIDEWALK
N.T.S.



7 LOAM AND SEED (DISTURBED AREAS)
N.T.S.

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OFFICE OF WATER RESOURCES
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11 PAVEMENT JOINTING DETAIL
N.T.S.

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PROJECT: COMMUNITY ATHLETIC COMPLEX
NARRAGANSETT HIGH SCHOOL
245 SOUTH PIER ROAD
NARRAGANSETT, RI 02882
OWNER: NARRAGANSETT SCHOOL SYSTEM
25 FIFTH AVENUE
NARRAGANSETT, RI 02882

REVISIONS		
NO.	DATE	DESCRIPTION

CADD FILE	716800_C501
DESIGNED BY	LAB
DRAWN BY	HAM
CHECKED BY	WJS/JMP
DATE	06/24/15
DRAWING SCALE	N.T.S.

GRAPHIC SCALE

SHEET TITLE
DETAIL SHEET

JOHN M. PERRY
No. 940
REGISTERED PROFESSIONAL ENGINEER
CIVIL
DRAWING NO. C501
SHEET 15 OF 28
PROJECT NO. 716800

PERMIT SET

PROJECT
**COMMUNITY ATHLETIC COMPLEX
NARRAGANSETT HIGH SCHOOL
245 SOUTH PIER ROAD
NARRAGANSETT, RI 02882**

OWNER
**NARRAGANSETT SCHOOL SYSTEM
25 FIFTH AVENUE
NARRAGANSETT, RI 02882**

REVISIONS		
NO.	DATE	DESCRIPTION

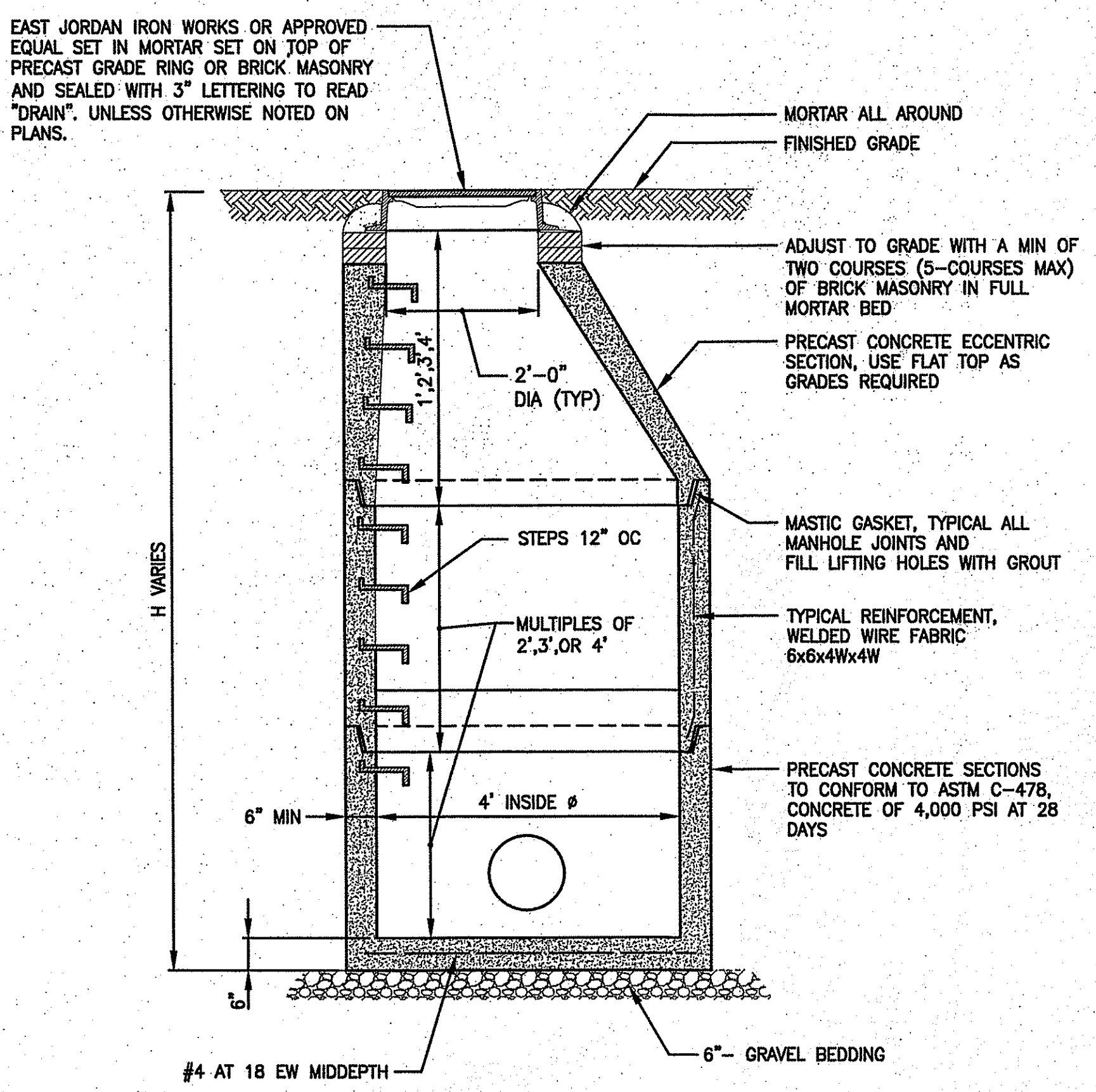
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CHECKED BY	WJS/JMP
DATE	06/24/15
DRAWING SCALE	N.T.S.

GRAPHIC SCALE

SHEET TITLE

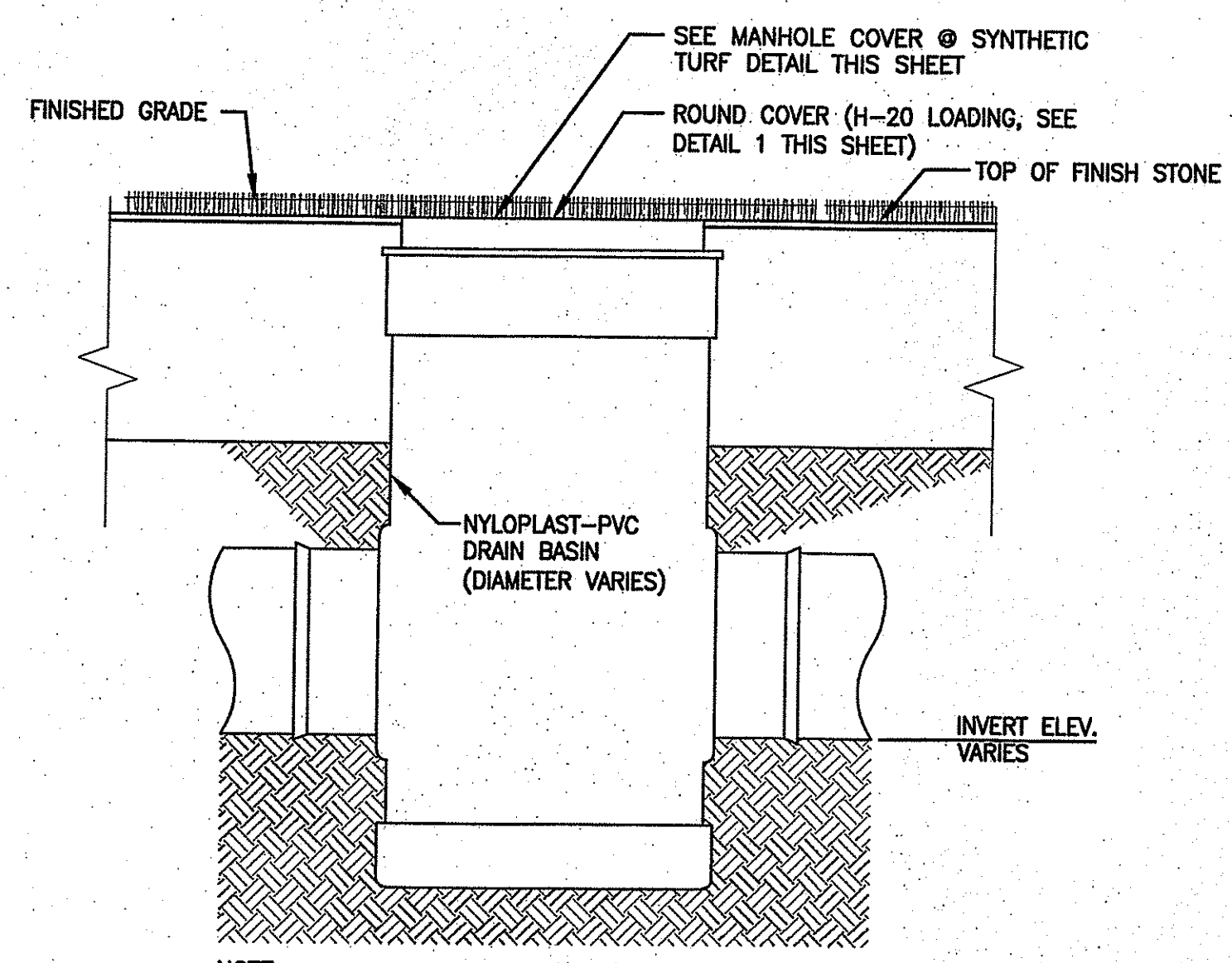
DETAIL SHEET

JOHN M. PERRY 6-24-15 No. 9406 REGISTERED PROFESSIONAL ENGINEER CIVIL	DRAWING NO. C502
PROJECT NO. 716800	



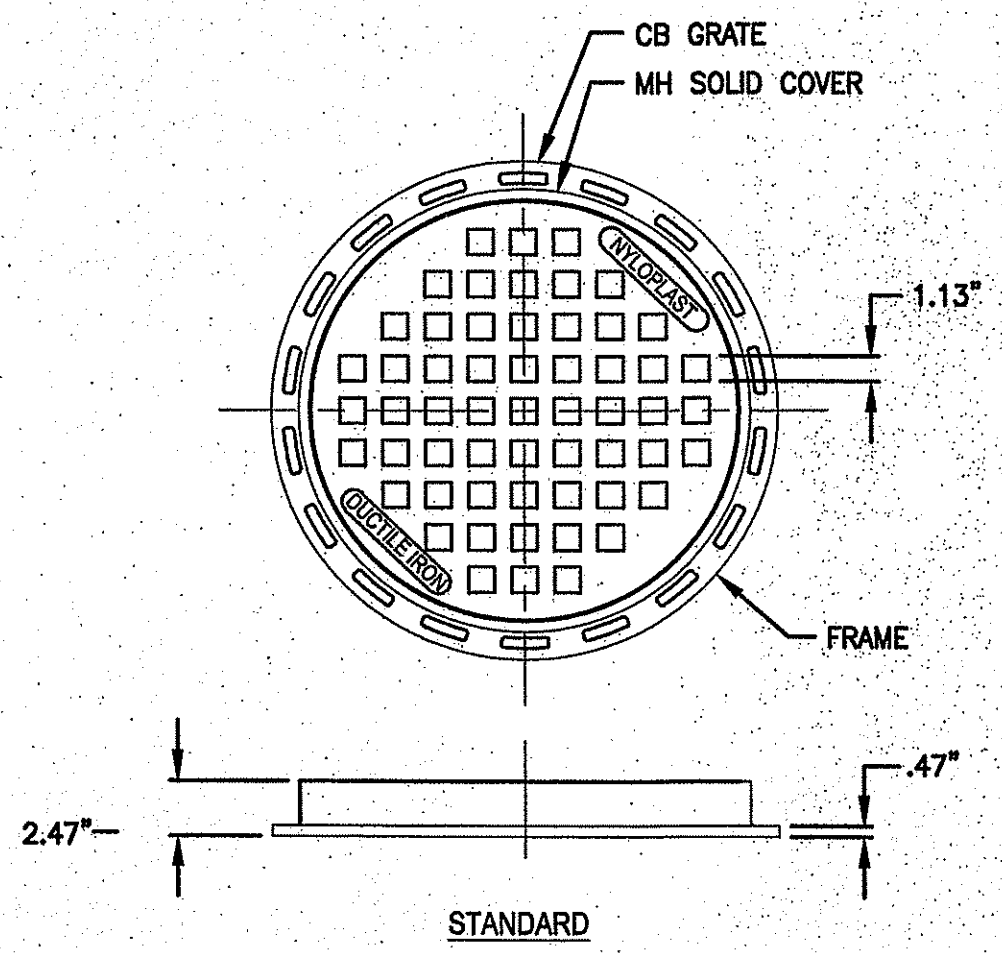
- NOTES:**
- FOR MANHOLES WITH DIAMETERS GREATER THAN 4' THE WALL AND BASE THICKNESS SHALL BE PER PRECAST MANUFACTURER'S STANDARD STRUCTURE FOR THE INDICATED DIAMETER. IN ADDITION THE MANUFACTURER'S STANDARD REDUCER SECTION FOR EACH DIAMETER SHALL BE USED WHERE REQUIRED TO MEET 4' DIAMETER ECCENTRIC CONE.
 - PROVIDE RESILIENT CONNECTOR WHERE PIPE ENTERS MANHOLE.
 - DESIGN LIVE LOAD HS20-44.
 - WATERTIGHT DRAIN MANHOLE COVERS SHALL BE SUPPLIED WHERE NOTED ON THE PLANS. COVERS SHALL BE LeBARON MODEL No. LBW268 WITH LSW 268A INNER COVER AND LSW 268B LOCKING BAR.

1 DRAIN MANHOLE DETAIL (DMH)
N.T.S.

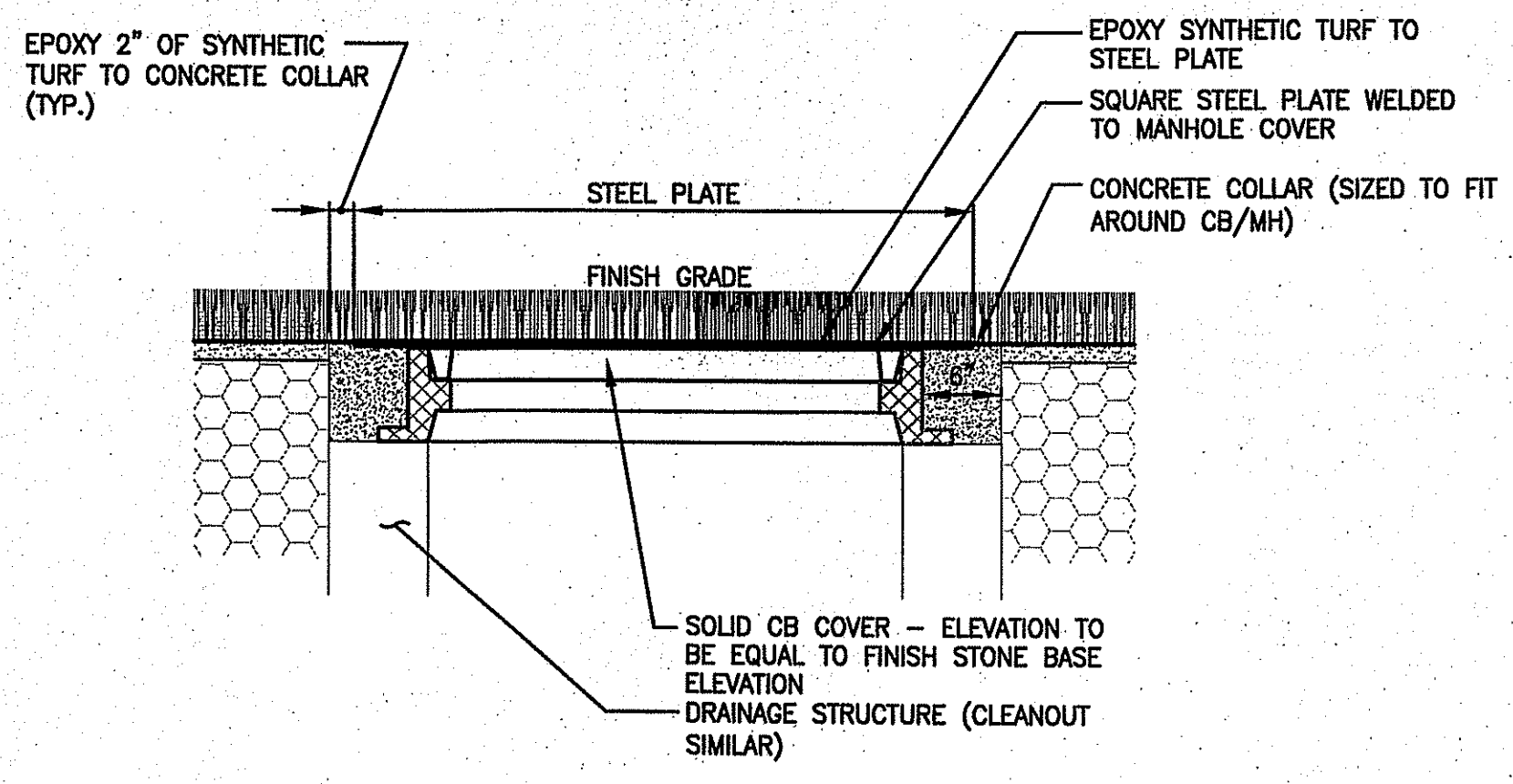


- NOTE:**
- FOR STRUCTURE LOCATIONS, SEE DRAINAGE PLAN.
 - STRUCTURE SIZE SHALL BE ABLE TO ACCEPT ALL PIPE PER PLAN

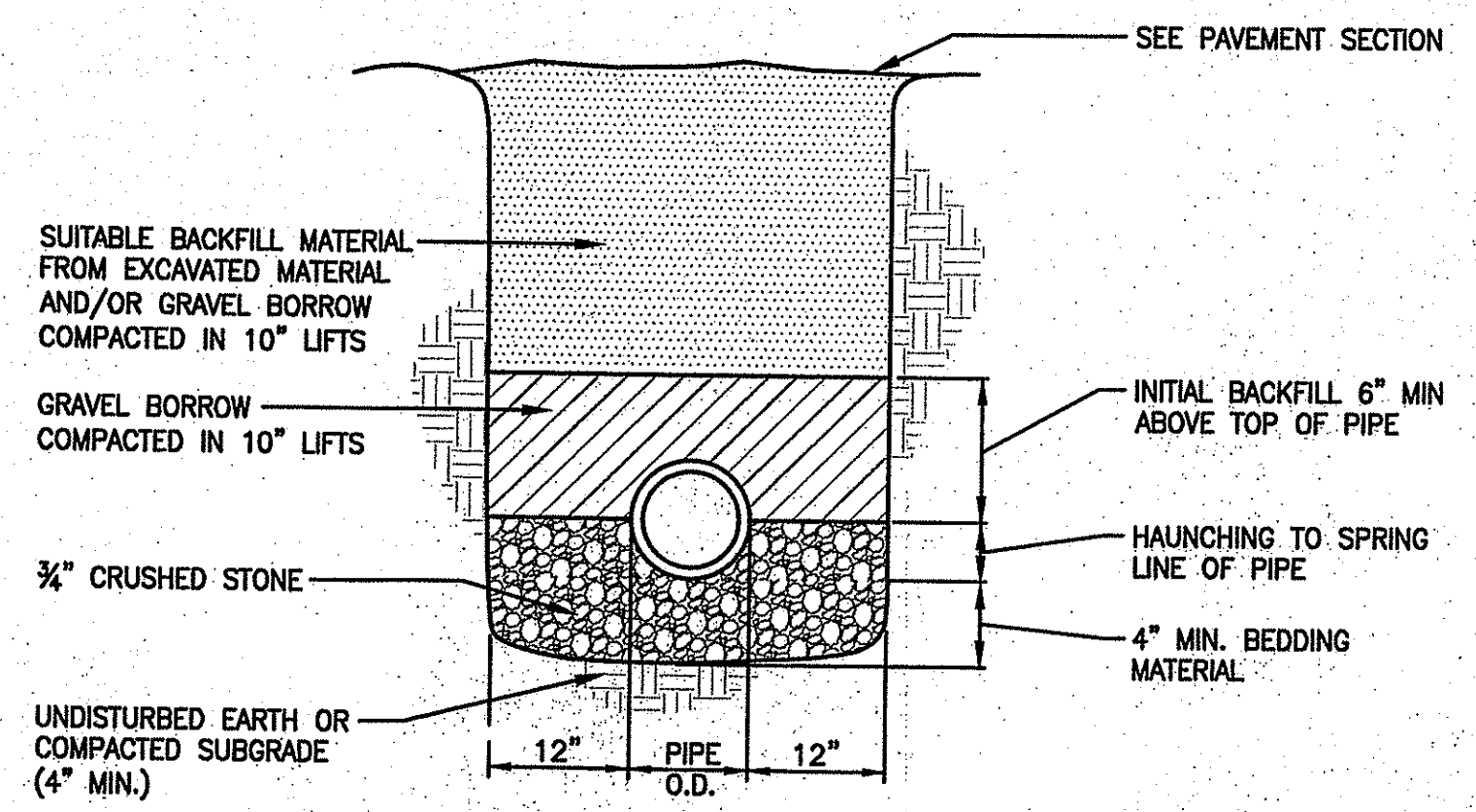
4 PVC (NYLOPLAST) DRAIN MANHOLE OR CATCH BASIN
N.T.S.



2 NYLOPLAST MH/CB COVER
N.T.S.



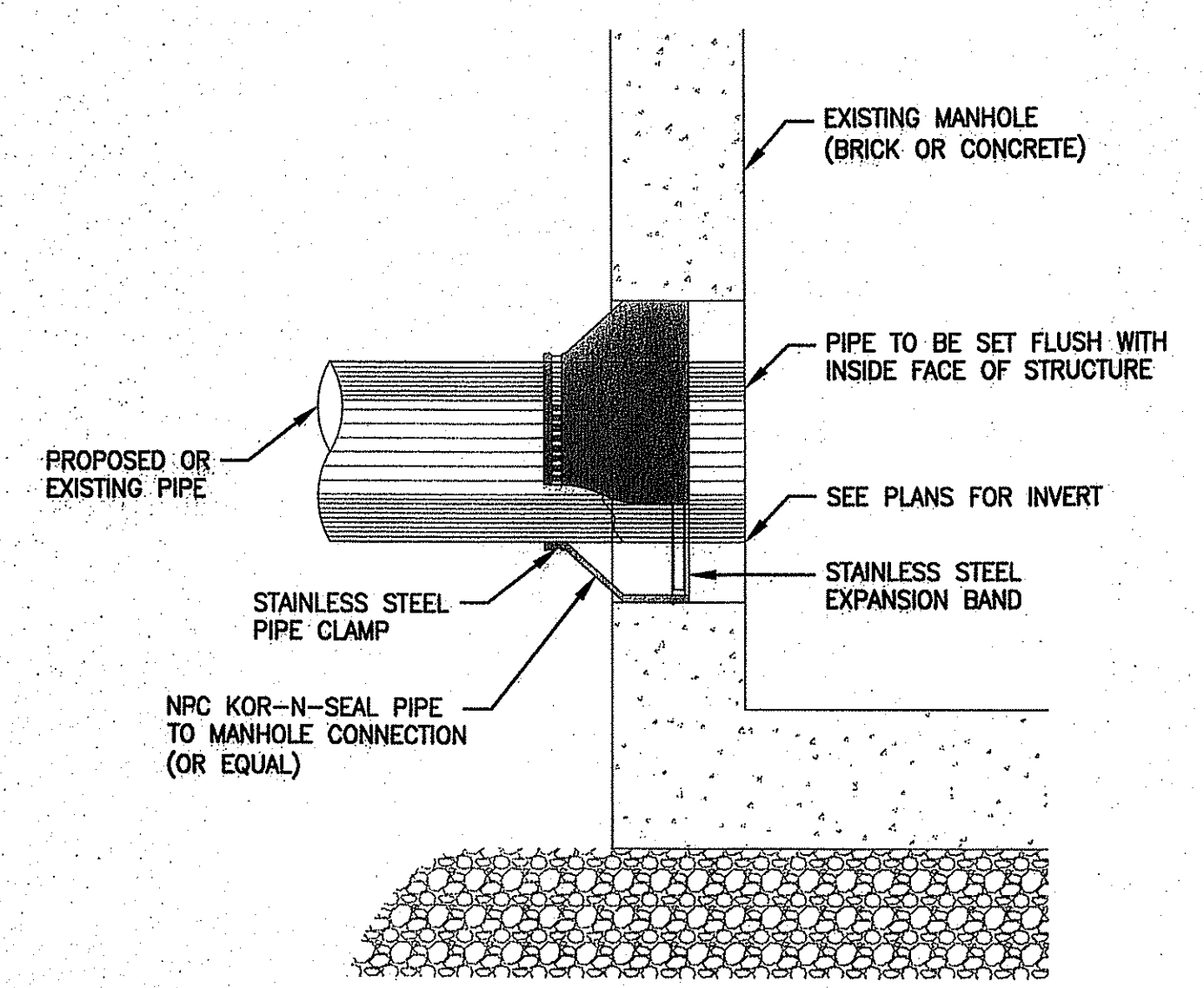
5 TYPICAL DMH COVER IN SYNTHETIC TURF AREA
N.T.S.



- NOTE:**
CONTRACTOR SHALL PROVIDE SHEETING, TRENCH BOX OR SLOPED WALLS IN ACCORDANCE WITH APPLICABLE SAFETY REGULATIONS

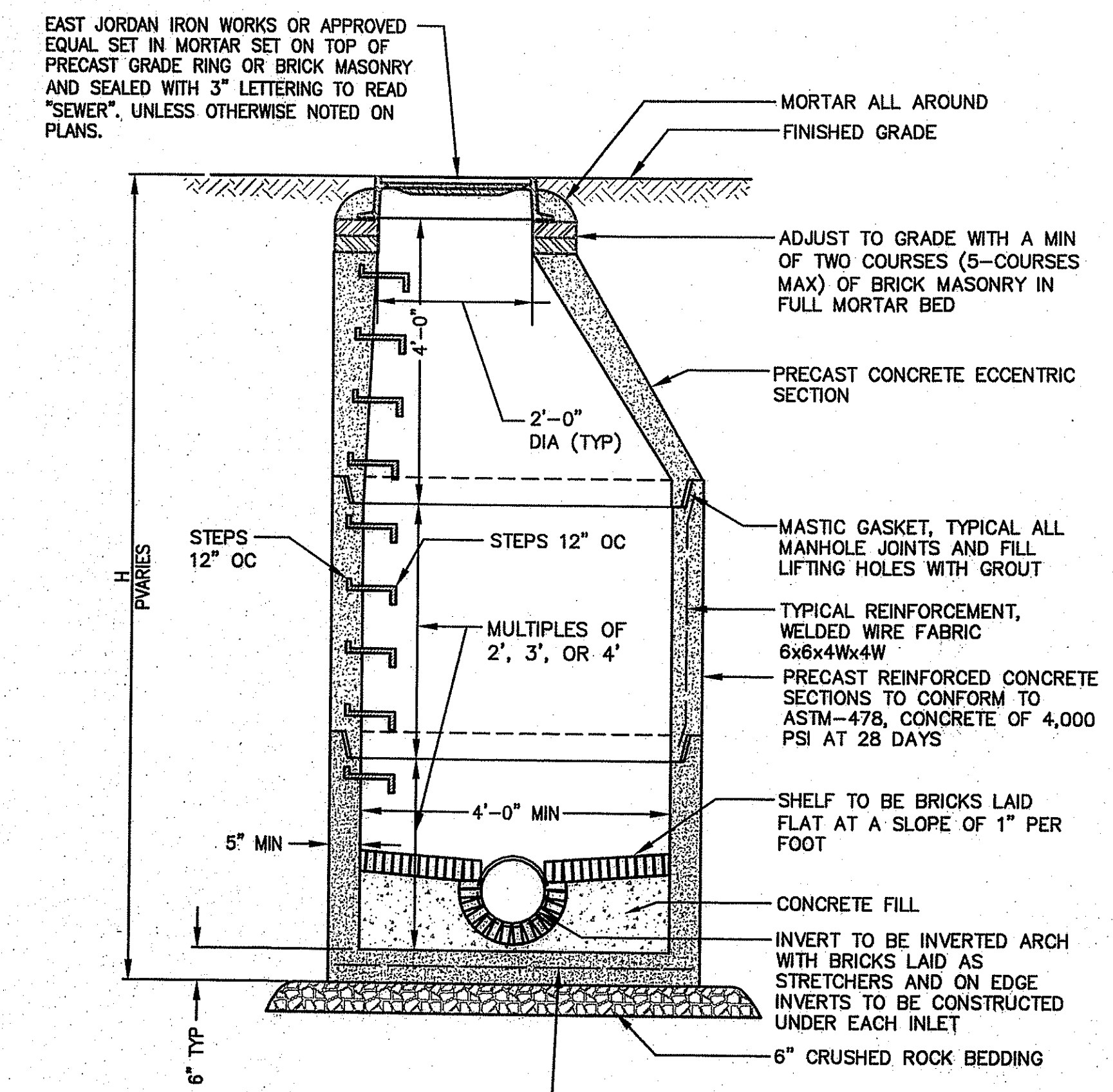
6 NON-PERFORATED (SOLID) HDPE TRENCH (UP TO 24" DIA)
N.T.S.

- NOTES:**
- STANDARD MANHOLE SOLID COVER HAS H-25 HEAVY DUTY RATING
 - STANDARD CATCH BASIN GRATE HAS H-25 HEAVY DUTY RATING
 - QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
 - MATERIAL: DUCTILE IRON
 - PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
 - LOCKING DEVICE 5/16-18 ZINC GOLD HEX BOLT 1" LG USE 1/2" SOCKET TO REMOVE, 2 PLACES



- NOTE:**
- ALL METAL FIXTURES SHALL BE STAINLESS STEEL.
 - SERVICE LINE SHALL BE FLUSH WITH THE INSIDE OF THE MANHOLE.
 - FOR PROPOSED MANHOLE INSTALLATION AT EXISTING PIPE, CONTRACTOR SHALL EXTEND PIPE INTO NEW MANHOLE USING A SPOOL PIECE (OF SAME PIPE MATERIAL) WITH FERNO COUPLES.

3 CONNECTION TO MANHOLE DETAIL
N.T.S.

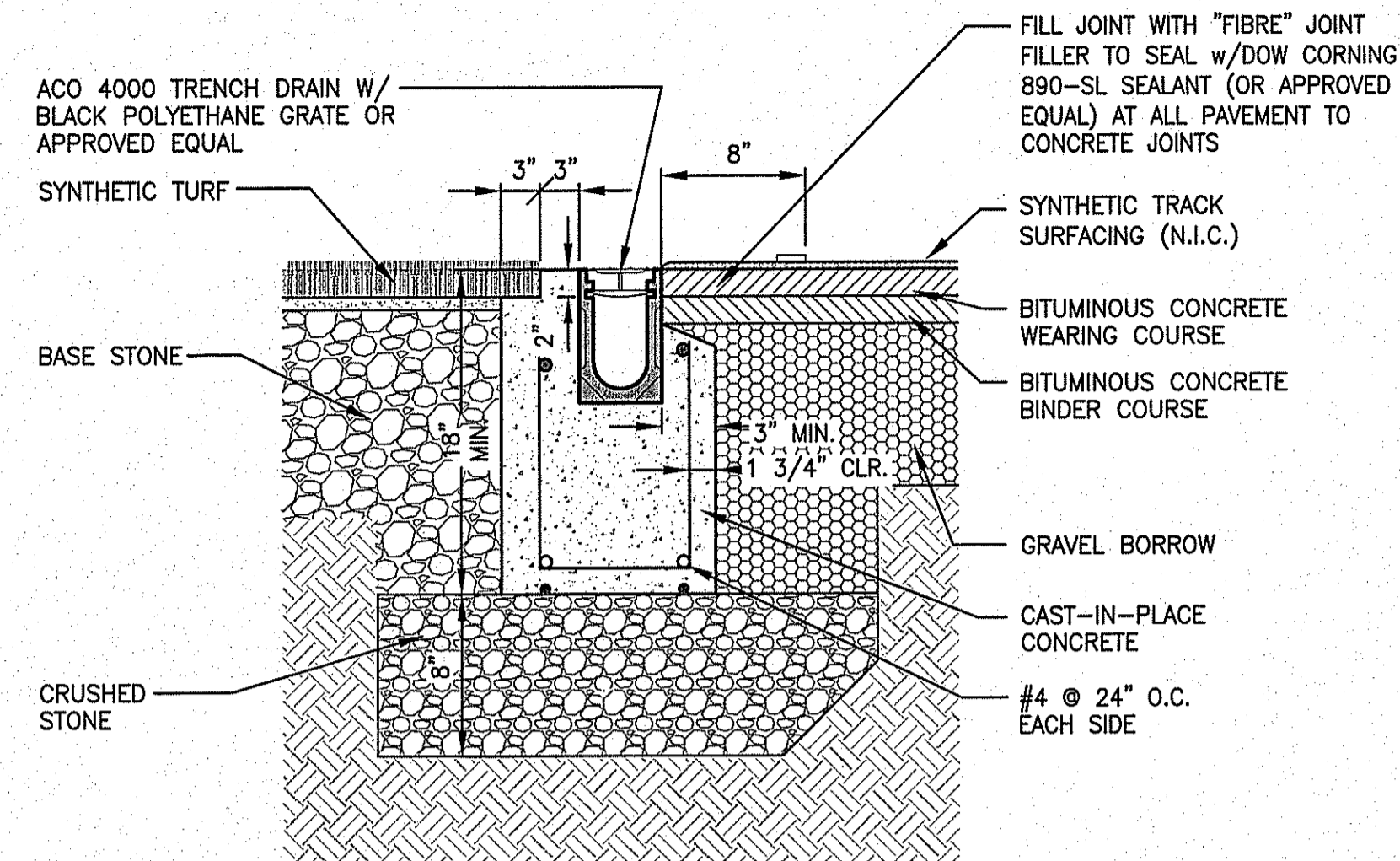


- NOTES:**
- PROVIDE RESILIENT CONNECTOR WHERE PIPE ENTERS MANHOLE.
 - DESIGN LIVE LOAD HS20-44

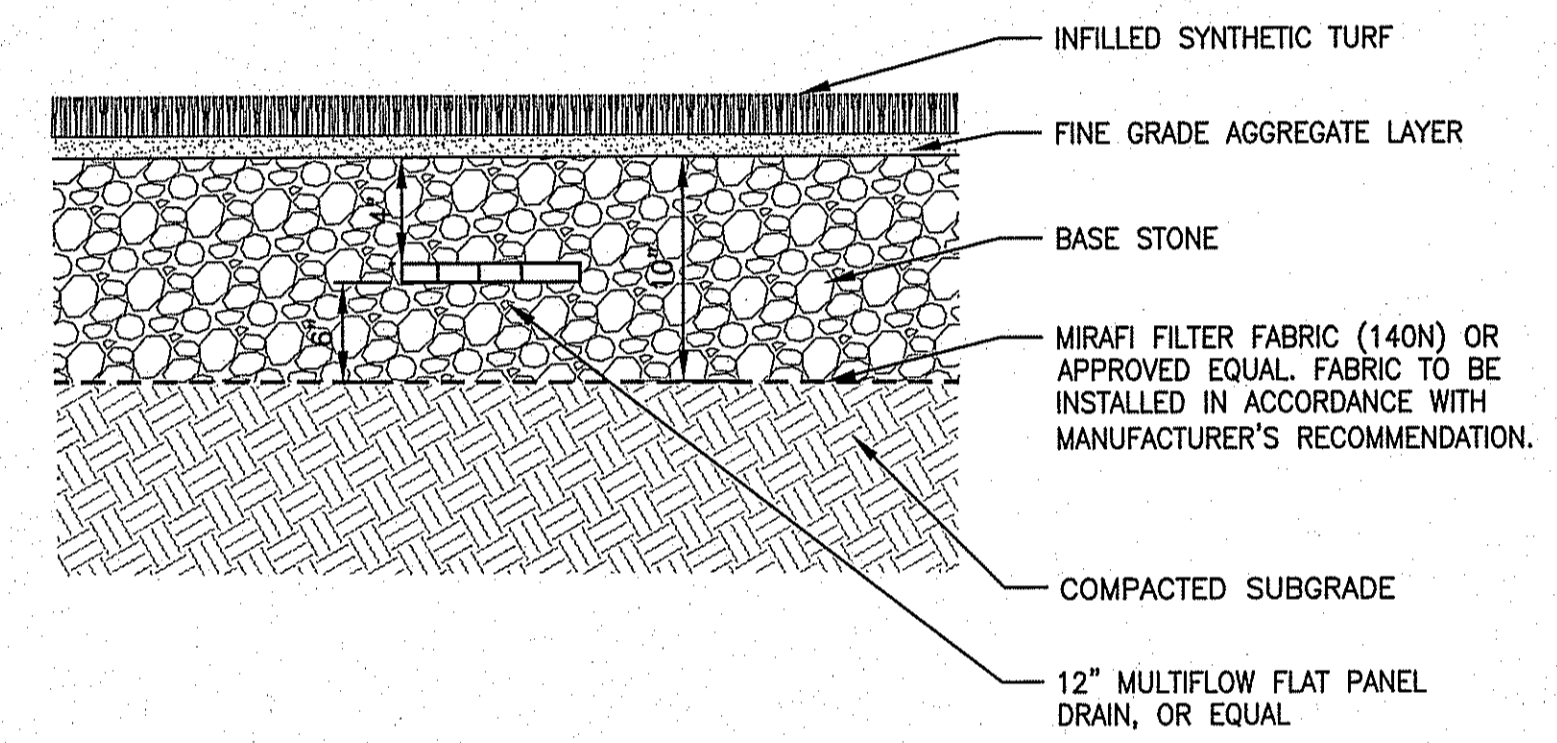
7 SEWER MANHOLE DETAIL (SMH)
N.T.S.

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FRESHWATER WETLANDS PROGRAM
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APPROVED PLANS MUST BE USED AT CONSTRUCTION SITE

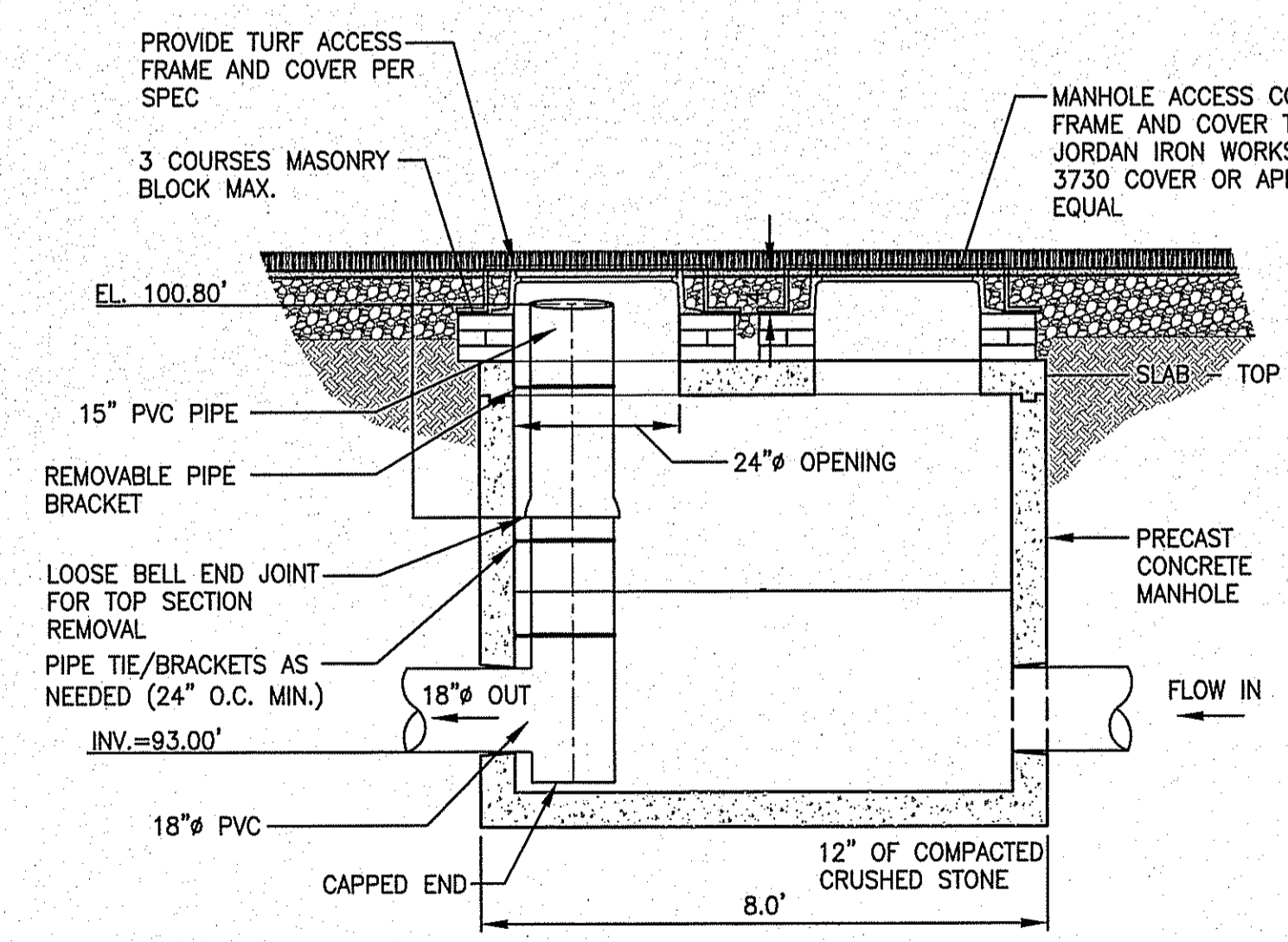
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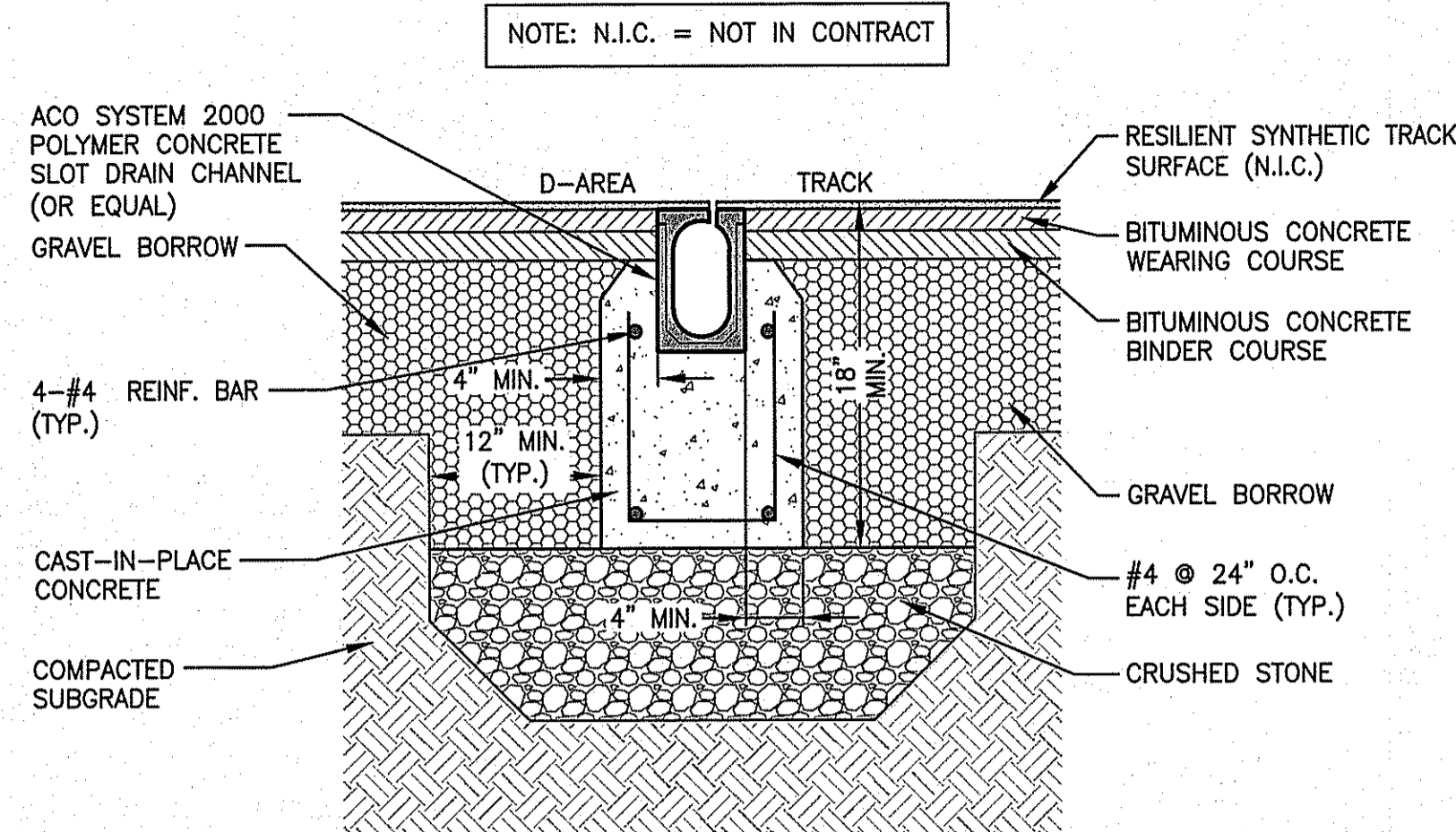
1 CHANNEL DRAIN
N.T.S.



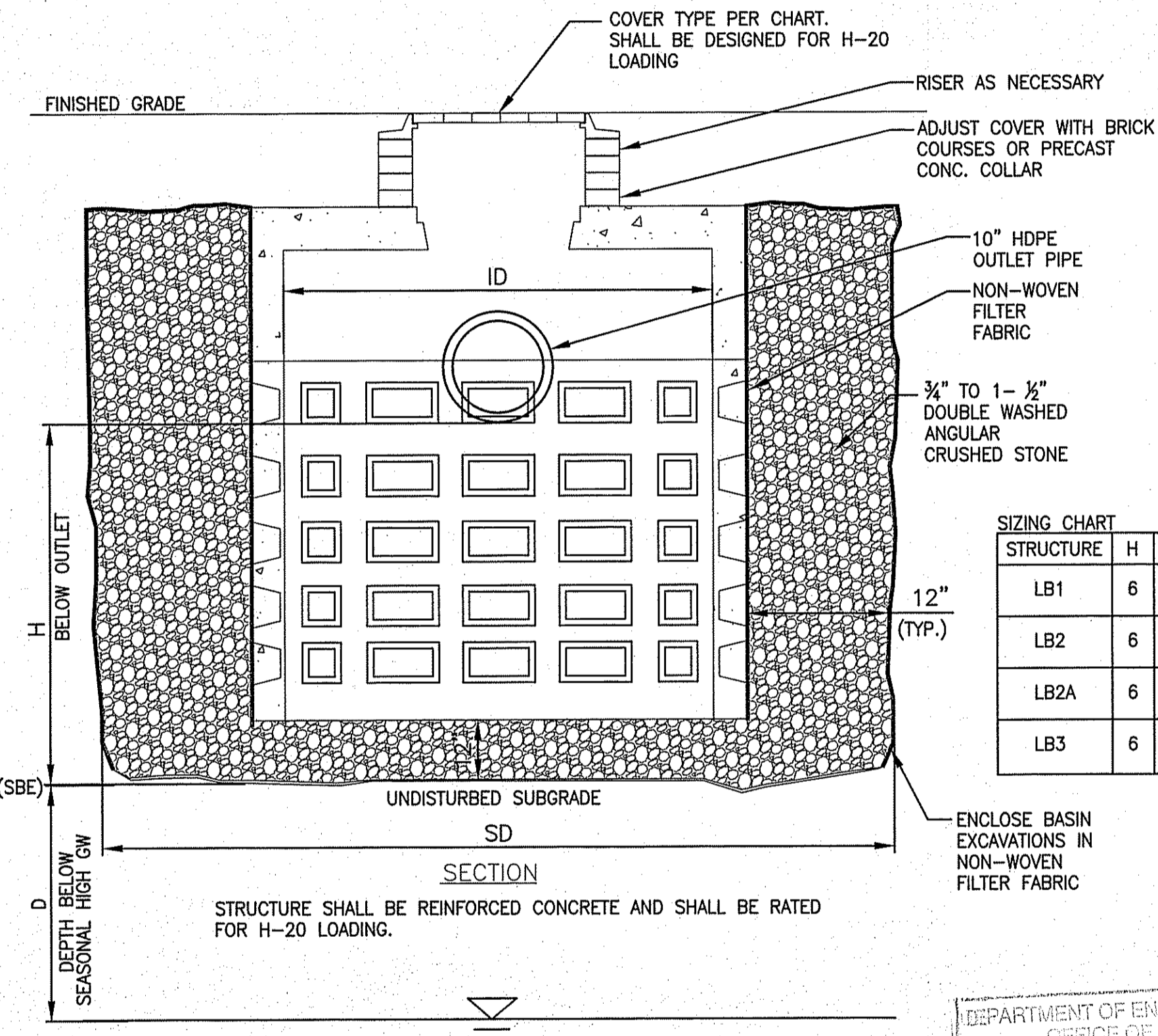
4 SYNTHETIC TURF SECTION w/UNDERDRAIN
N.T.S.



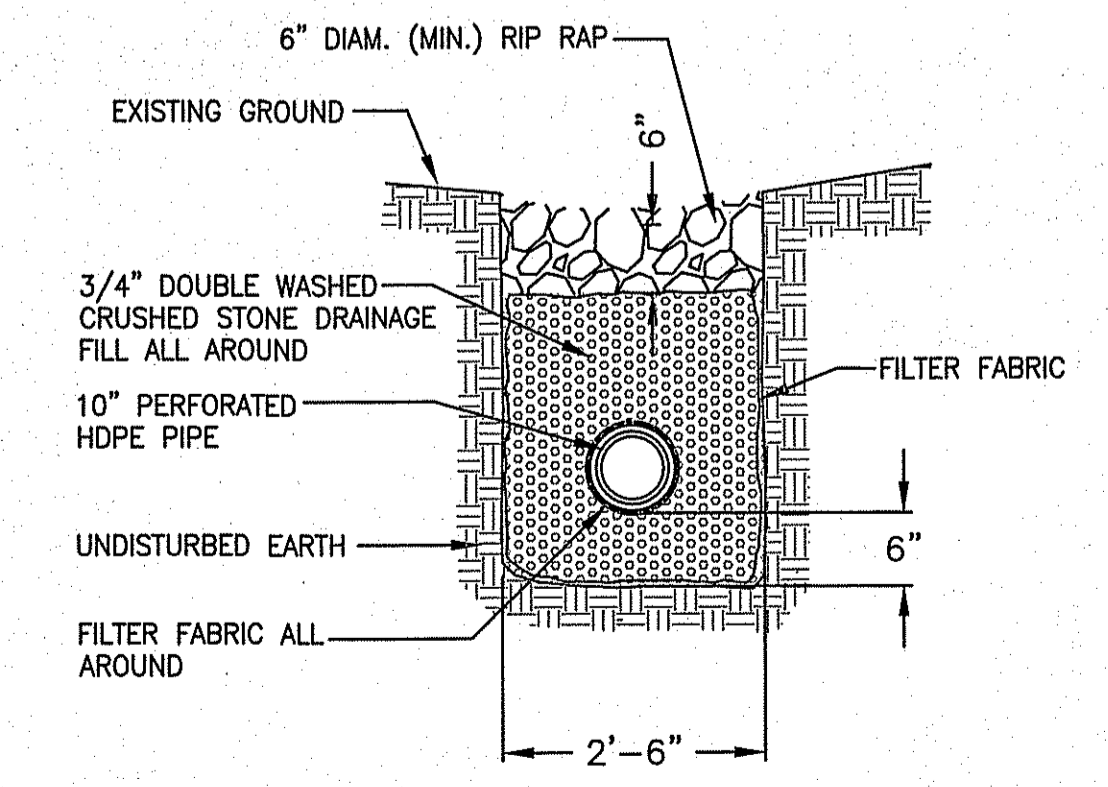
7 OUTLET CONTROL STRUCTURE
N.T.S.



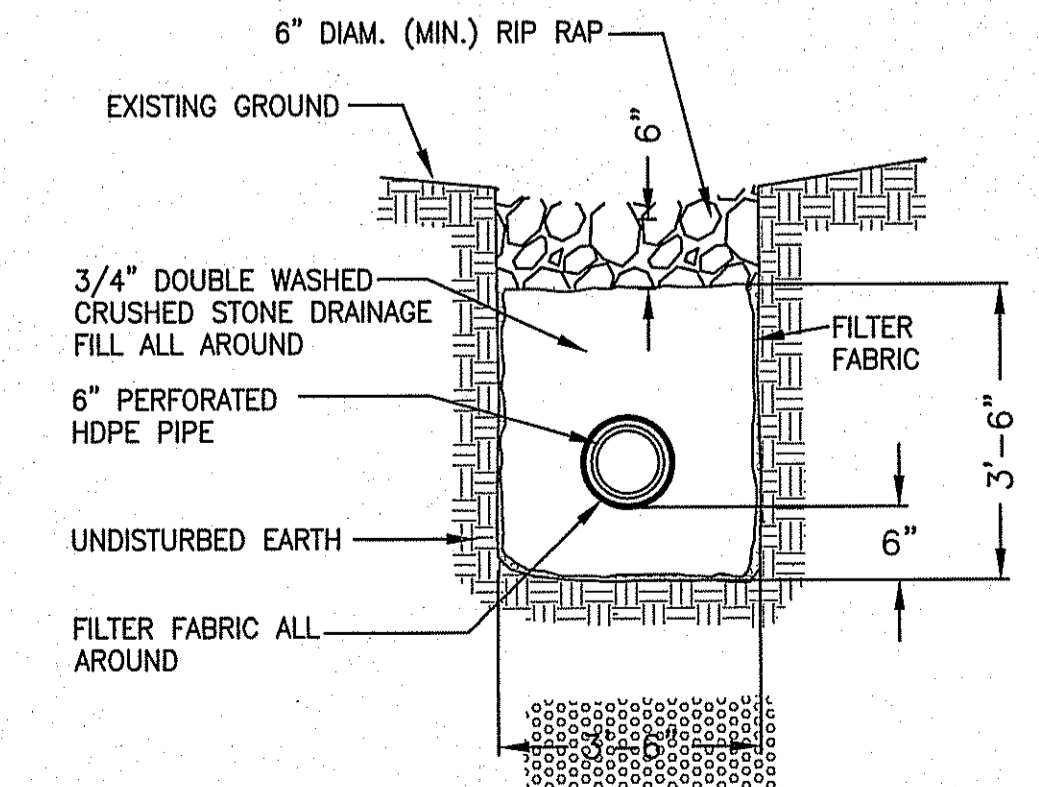
2 SLOT DRAIN (BETWEEN TRACKS / D-AREA)
N.T.S.



5 PRECAST CONCRETE LEACHING BASIN
N.T.S.



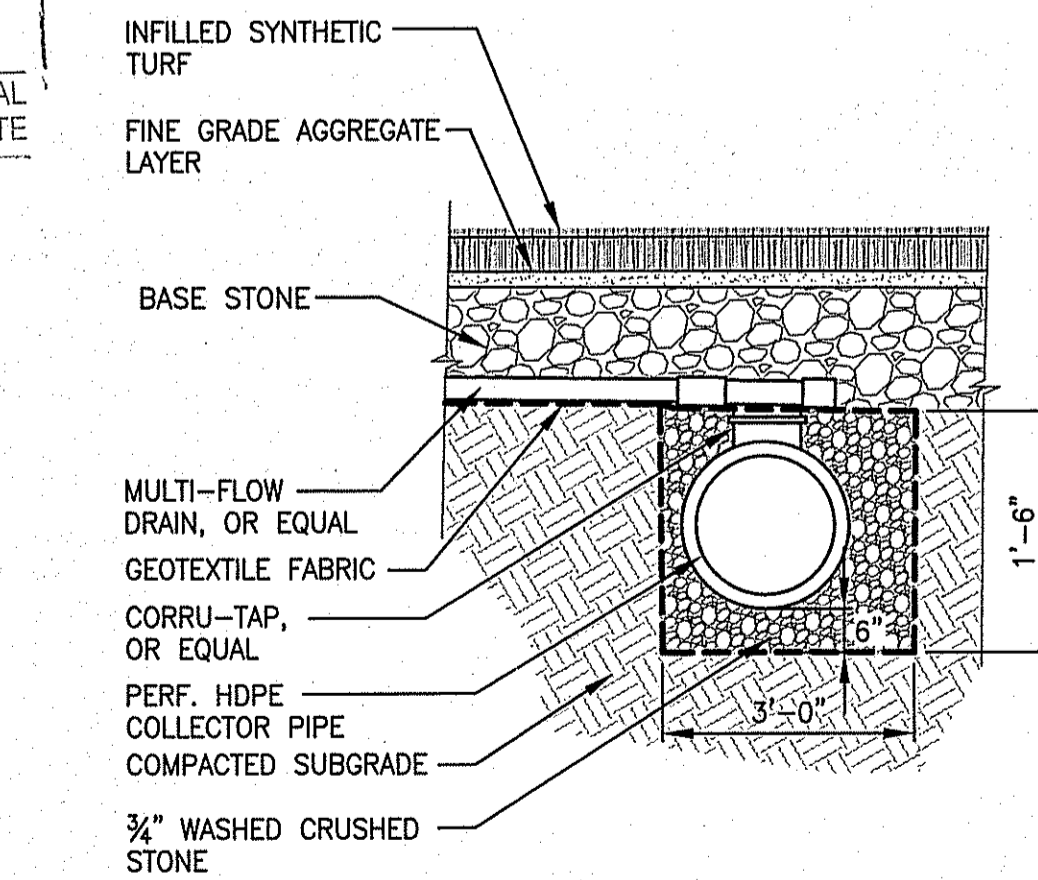
8 STONE TRENCH DRAIN NEAR POLE VAULT
N.T.S.



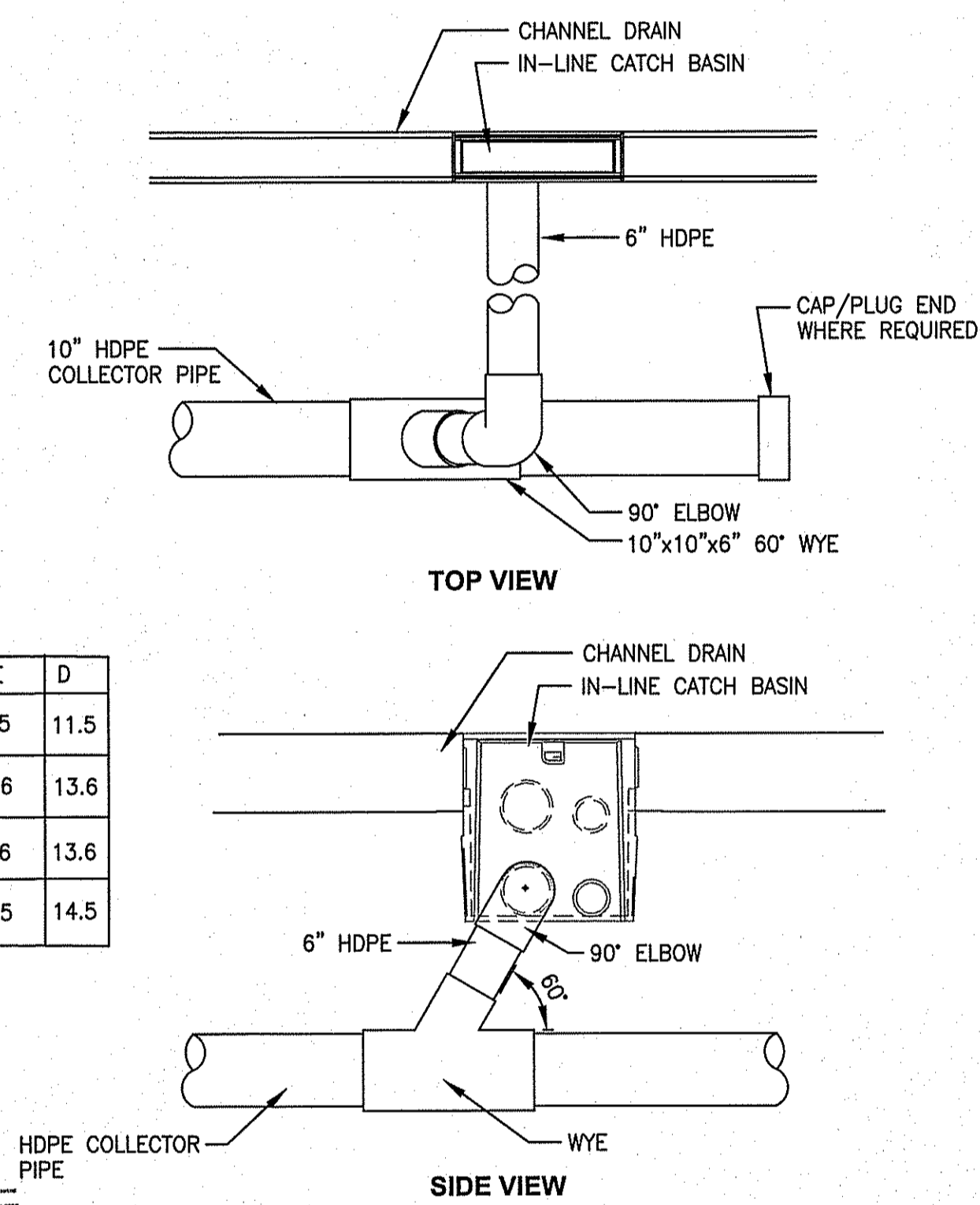
10 STONE TRENCH DRAIN UNDER BLEACHER
N.T.S.

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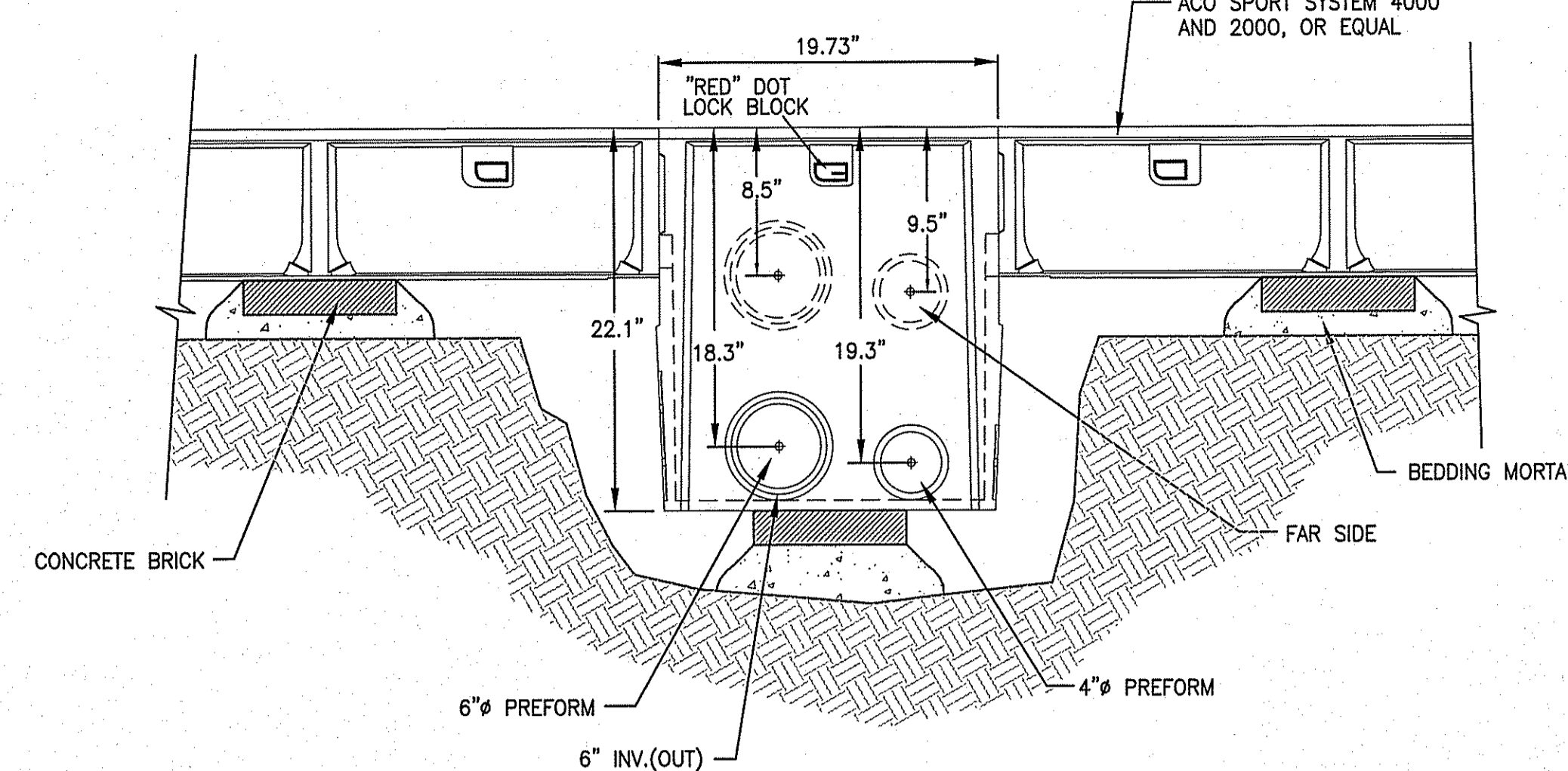
6 IN-LINE CATCH BASIN CONNECTION
N.T.S.



9 TYPICAL COLLECTOR PIPE AND LATERAL CONNECTION
N.T.S.



3 IN-LINE CATCHBASIN (SIDE VIEW) DETAIL
N.T.S.



STRUCTURE	H	ID	SD	COVER TYPE	SBE	D
LB1	6	5	9	SOLID	106.5	11.5
LB2	6	6	10	SOLID	108.6	13.6
LB2A	6	6	10	SOLID	108.6	13.6
LB3	6	5	9	GRATE	109.5	14.5

GALE
Gale Associates, Inc.
Engineers and Planners
163 LIBBEY PARKWAY | WEYMOUTH, MA 02189
P 781.335.6465 F 781.335.6467
www.galeinc.com
Boston Baltimore Orlando San Francisco
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PROJECT
COMMUNITY ATHLETIC COMPLEX
NARRAGANSETT HIGH SCHOOL
245 SOUTH PIER ROAD
NARRAGANSETT, RI 02882
OWNER
NARRAGANSETT SCHOOL SYSTEM
25 FIFTH AVENUE
NARRAGANSETT, RI 02882

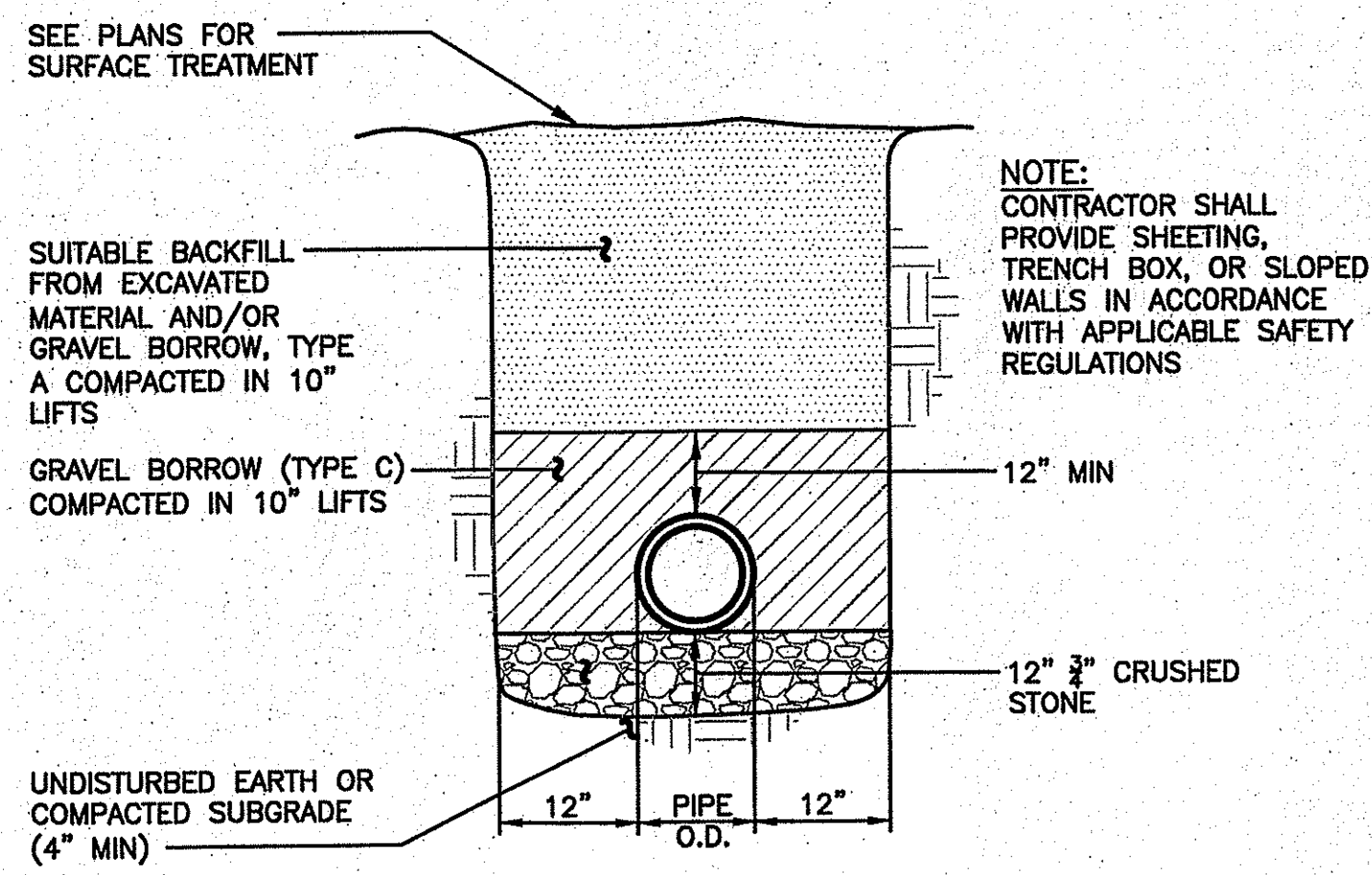
REVISIONS		
NO.	DATE	DESCRIPTION
2	7/8/15	DEM COMMENT
1	6/24/15	DEM COMMENT
CADD FILE	716800_C501	
DESIGNED BY	LAB	
DRAWN BY	HAM	
CHECKED BY	WJS/JMP	
DATE	03/30/2015	
DRAWING SCALE	N.T.S.	
GRAPHIC SCALE		

Environmental Management
JUL - 9 2015
Office of Water Resources

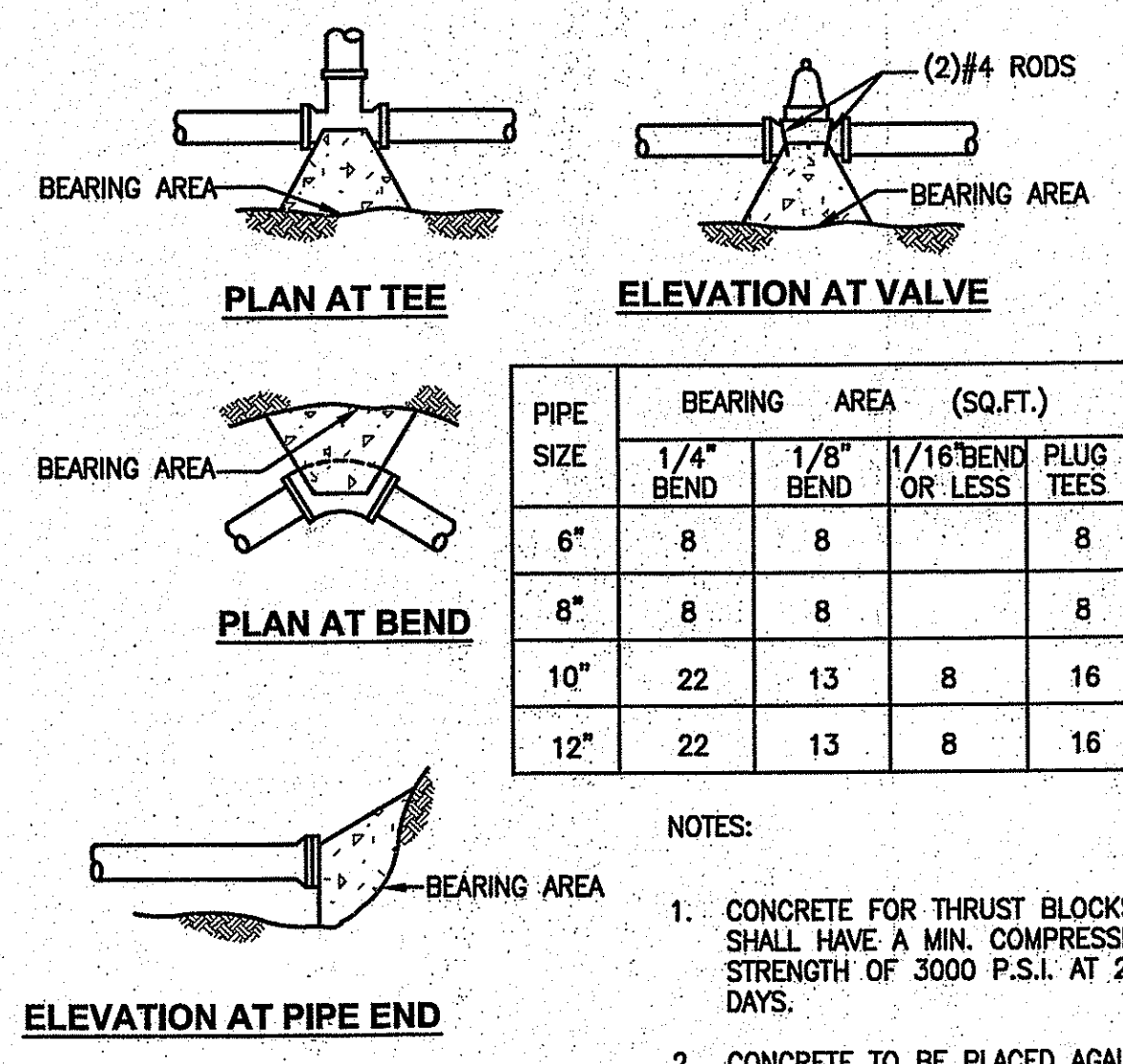
SHEET TITLE
DETAIL SHEET

PERMIT SET

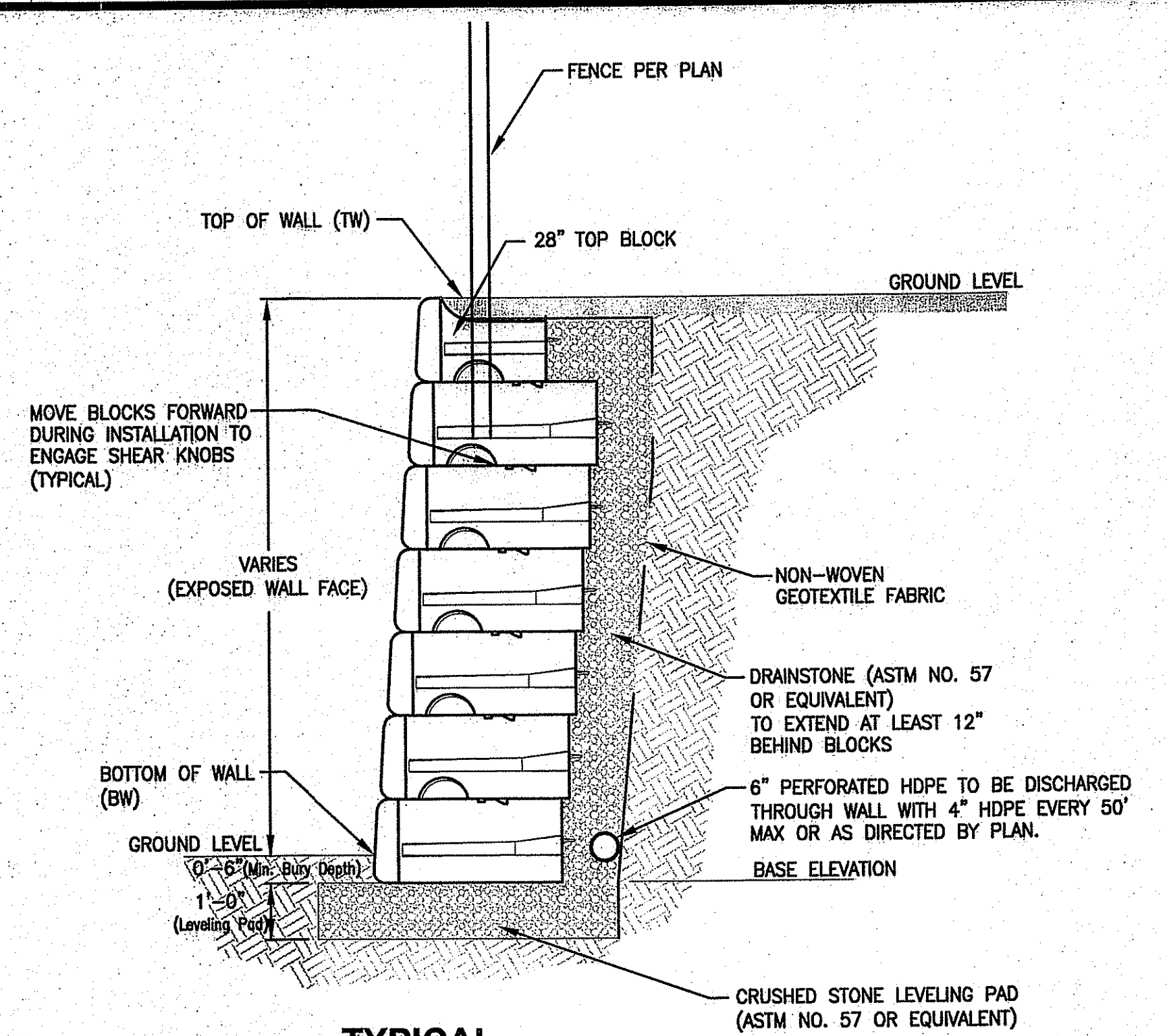
DRAWING NO.
C503
SHEET 17 OF 28
PROJECT NO. 716800



1 WATER LINE TRENCH DETAIL
N.T.S.



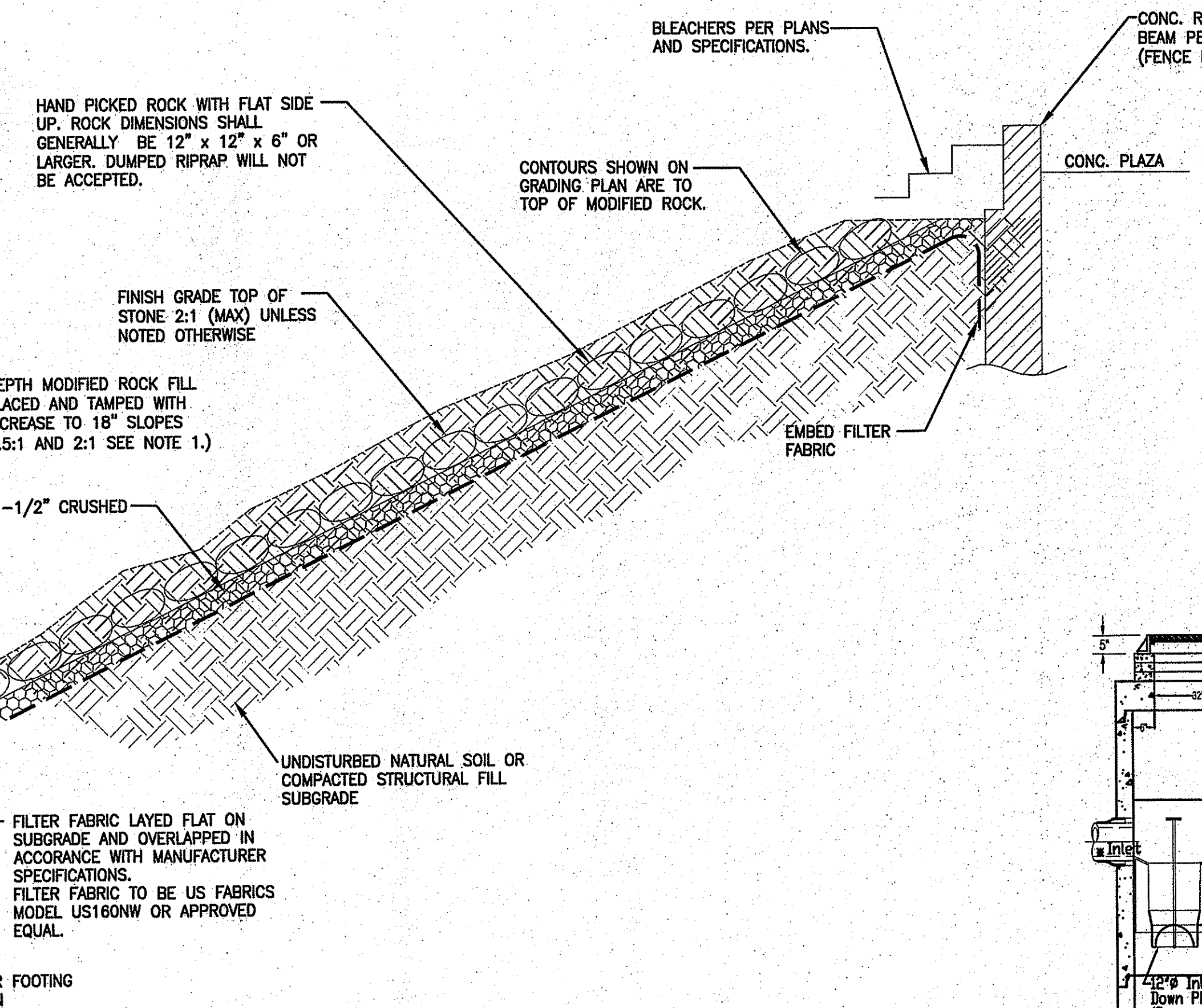
2 TYPICAL THRUST BLOCK DETAILS
N.T.S.



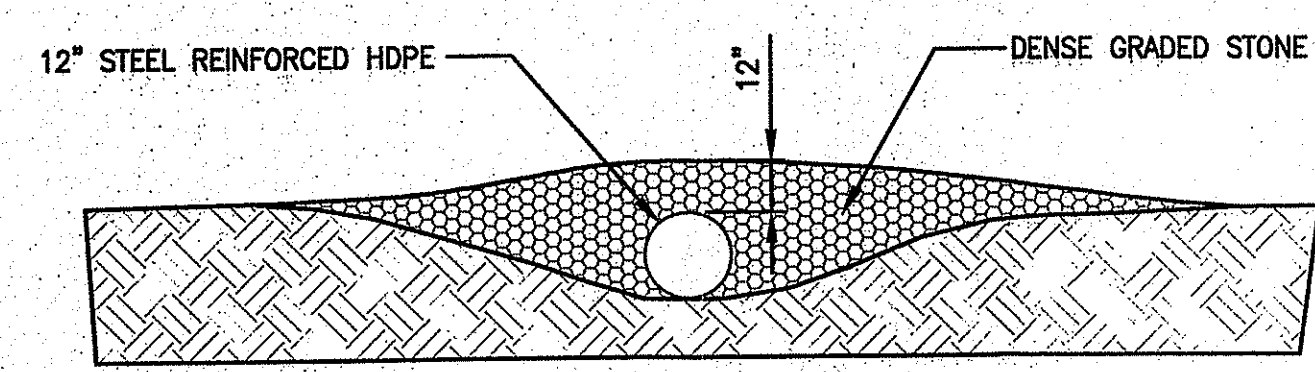
3 TYPICAL WALL SECTION
N.T.S.

- NOTE:
- CONTRACTOR TO PROVIDE STAMPED STRUCTURAL RETAINING WALL DRAWINGS PRIOR TO THE START OF CONSTRUCTION. DRAWINGS ARE TO BE STAMPED BY A PROFESSIONAL ENGINEER REGISTER IN THE STATE OF RHODE ISLAND.
 - RETAINING WALL SHALL BE LARGE BLOCK WITH MINIMUM DIMENSIONS OF 40" x 18" x 28"D.
 - CONCRETE BLOCKS SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI MINIMUM.

- NOTES:
- IN AREAS WHERE 2:1 CROSS SLOPE AND 2:1 RUNNING SLOPE CREATES GRADES GREATER THAN 2:1 PERPENDICULAR TO THE CONTOUR LINES, MAINLY WHERE TYING INTO EXISTING GRADE, THE CONTRACTOR SHALL INCREASE THE DEPTH OF MATERIAL AS LISTED ABOVE.
 - M2.02.4 MODIFIED ROCK FILL: MODIFIED ROCK FILL SHALL CONSIST OF HARD, DURABLE ANGULAR SHAPED STONES WHICH ARE THE PRODUCT OF THE PRIMARY CRUSHING OF A STONE CRUSHER. ROUNDED STONE, BOULDERS, SANDSTONE AND SIMILAR SOFT STONE OR RELATIVELY THIN SLABS WILL NOT BE ACCEPTABLE. STONE SHALL BE FREE FROM OVERBURDEN, SPOIL, SHALE, ORGANIC MATERIAL AND MEET THE FOLLOWING GRADATION REQUIREMENTS:

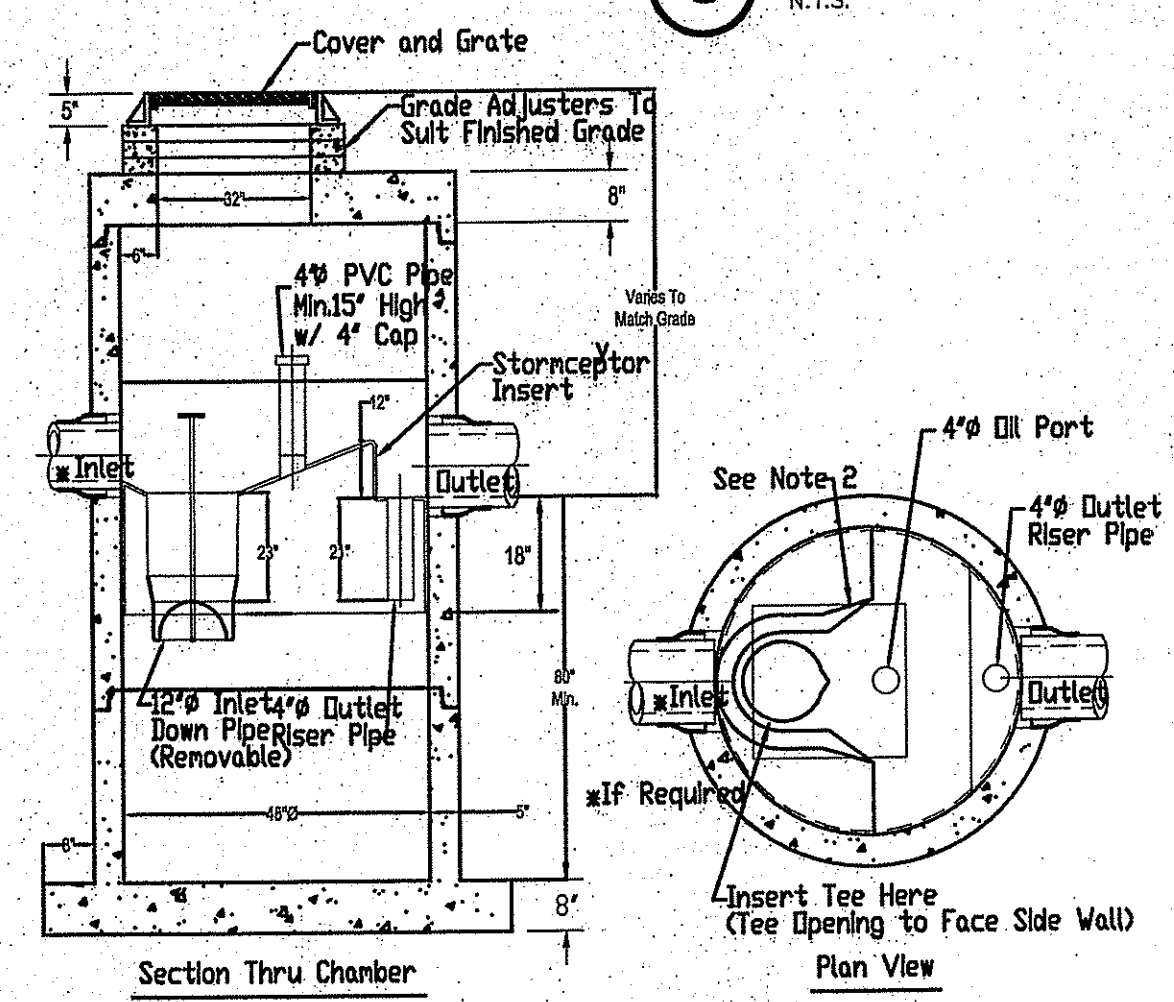


4 SLOPE STABILIZATION DETAIL
N.T.S.



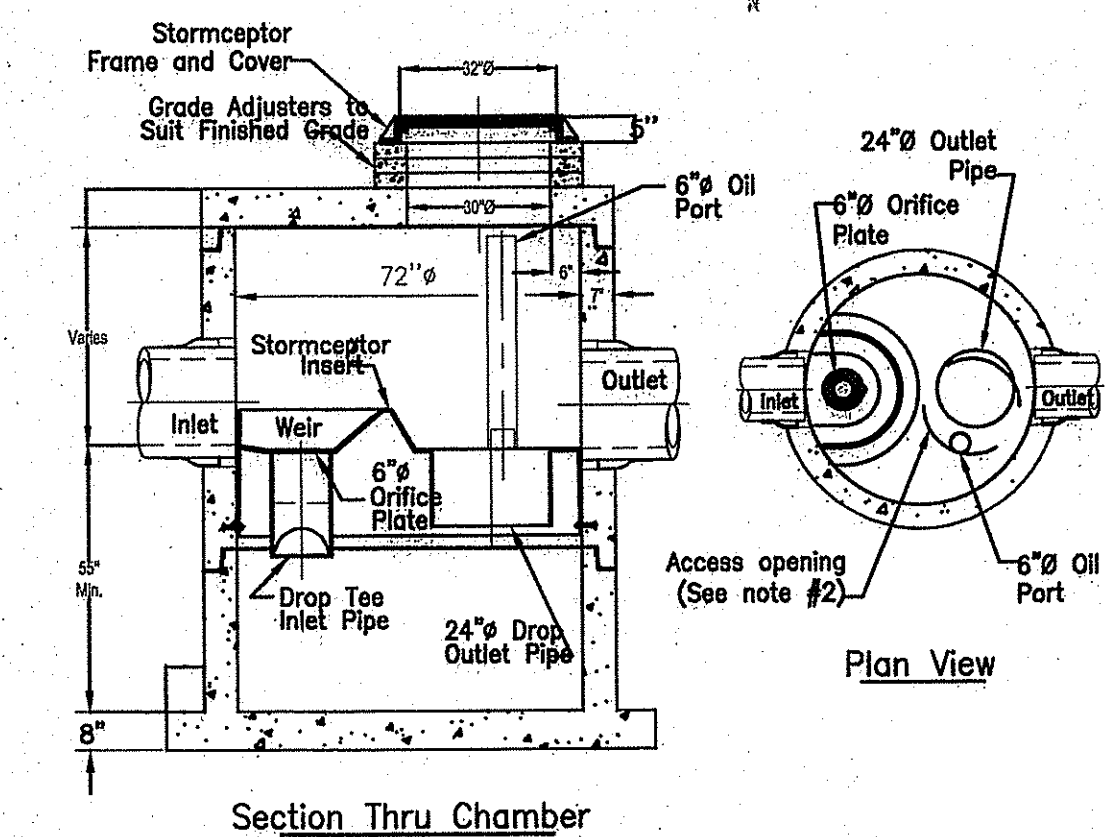
5 CULVERT AT ACCESS DRIVE
N.T.S.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 16 2015 FILE # 15-0064
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE



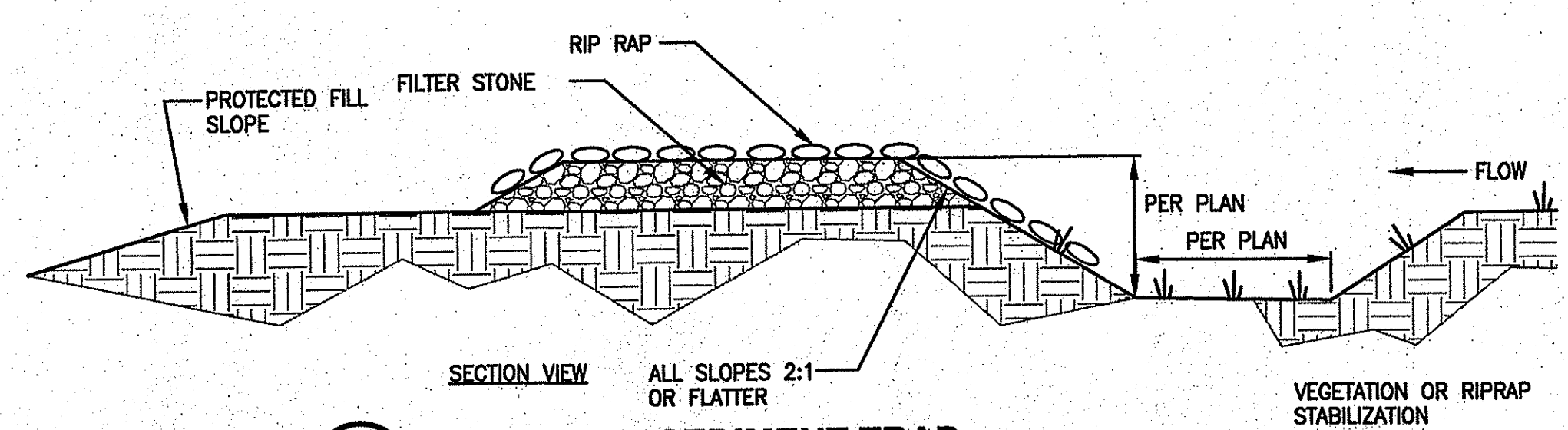
7 WATER QUALITY INLET (STC 450i OR EQUAL)
N.T.S.

- Notes:
- The Use Of Flexible Connection is Recommended at the Inlet and Outlet Where Applicable.
 - The Cover Should be Positioned Over the Inlet Drop Pipe and the Oil Port.



8 WATER QUALITY DMH (STC 900 OR EQUAL)
N.T.S.

- Notes:
- The Use Of Flexible Connection is Recommended at the Inlet and Outlet Where Applicable.
 - The Cover Should be Positioned Over the Outlet Drop Pipe and the Oil Port.



6 TEMPORARY SEDIMENT TRAP
N.T.S.



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PROJECT
**COMMUNITY ATHLETIC COMPLEX
NARRAGANSETT HIGH SCHOOL
245 SOUTH PIER ROAD
NARRAGANSETT, RI 02882**

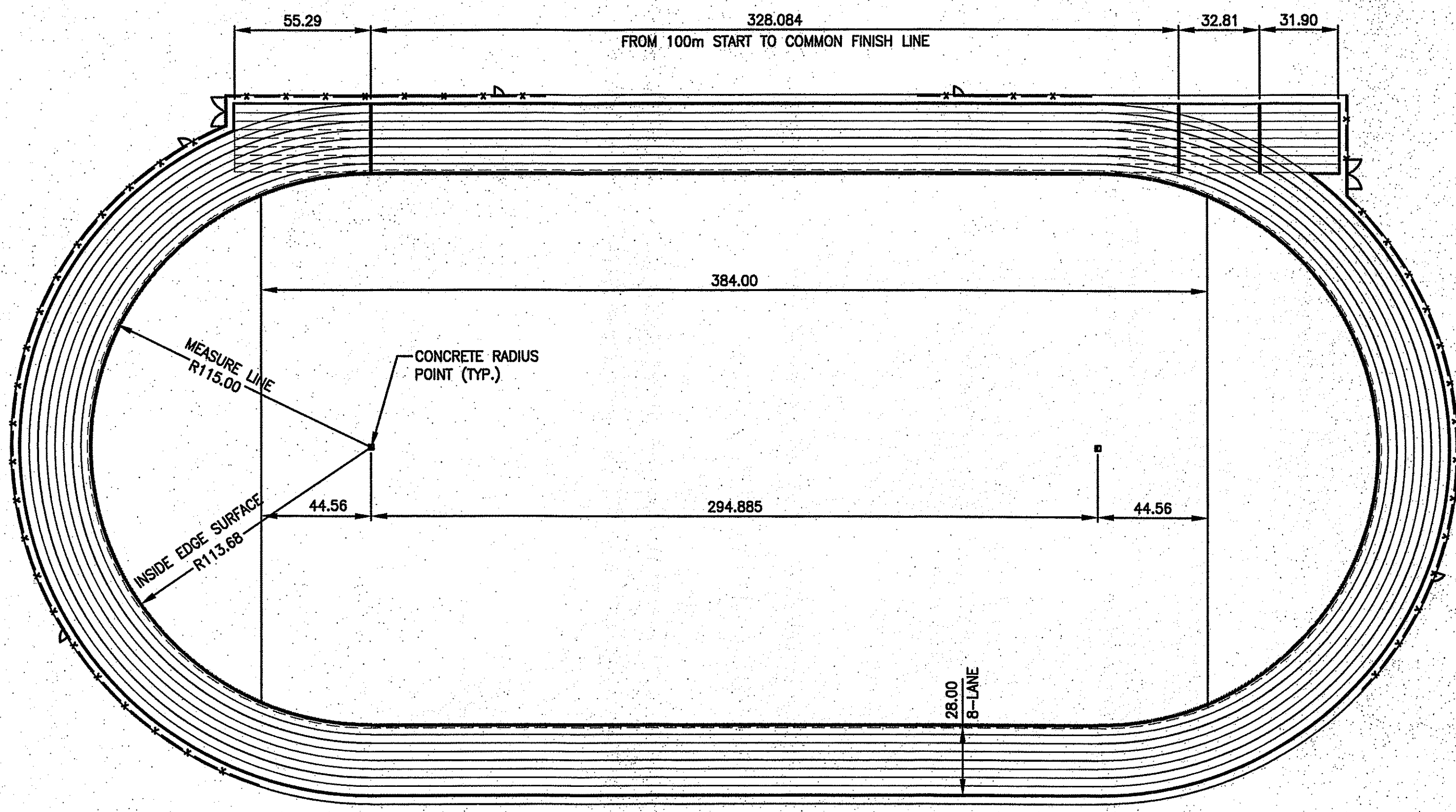
OWNER
**NARRAGANSETT SCHOOL SYSTEM
25 FIFTH AVENUE
NARRAGANSETT, RI 02882**

REVISIONS		
NO.	DATE	DESCRIPTION
2	7/8/15	DEM COMMENT
1	6/24/15	DEM COMMENT
CADD FILE 716800_C501		
DESIGNED BY LAB		
DRAWN BY HAM		
CHECKED BY WJS/JMP		
DATE 03/30/2015		
DRAWING SCALE N.T.S.		
GRAPHIC SCALE		

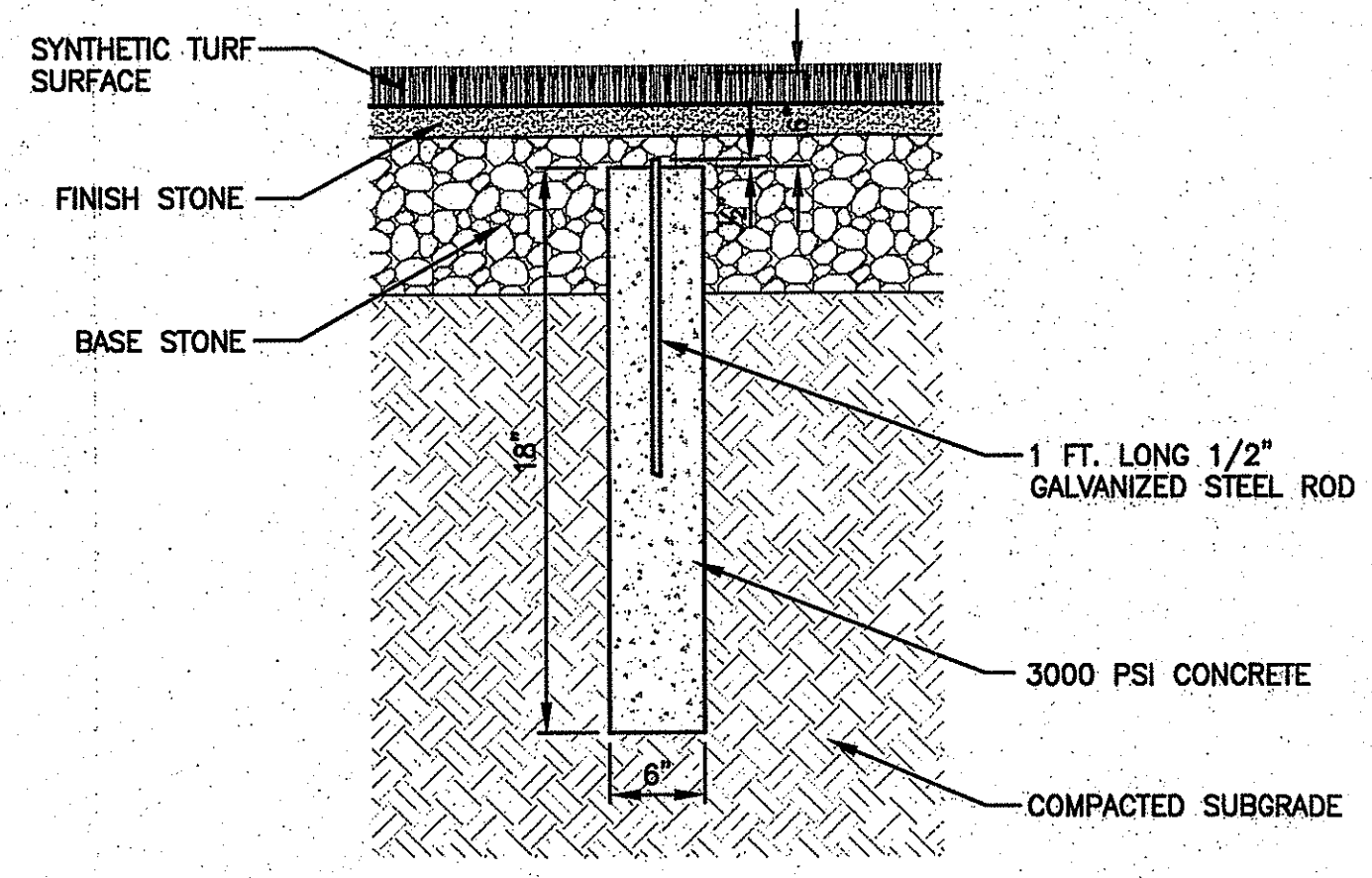
SHEET TITLE
DETAIL SHEET

7-8-15
No. 9405
REGISTERED PROFESSIONAL ENGINEER CIVIL
DRAWING NO. **C504**
SHEET 18 OF 28
PROJECT NO. 716800

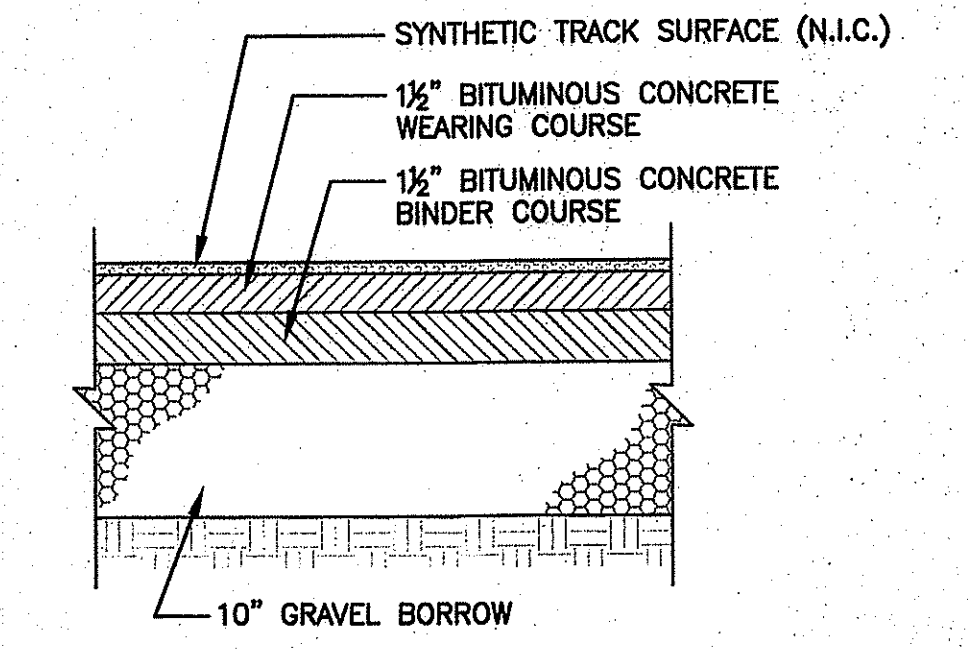
PERMIT SET



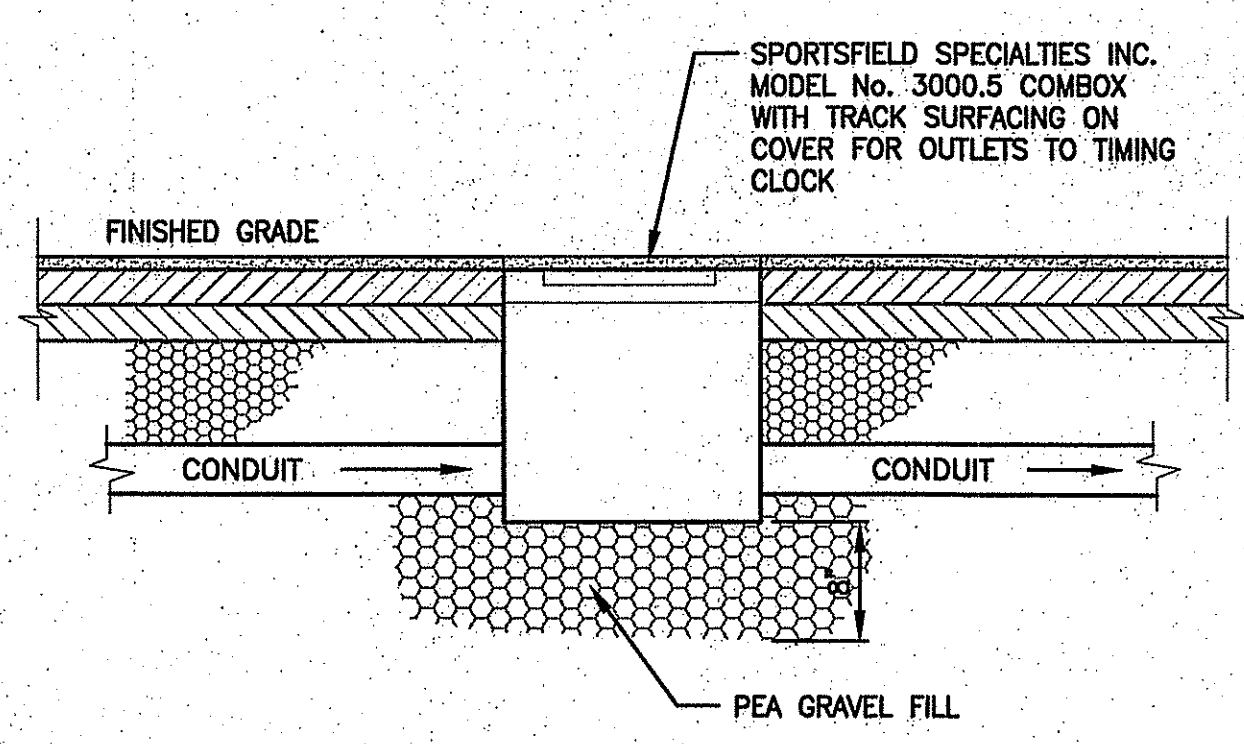
1 115' RADIUS TRACK LAYOUT
N.T.S.



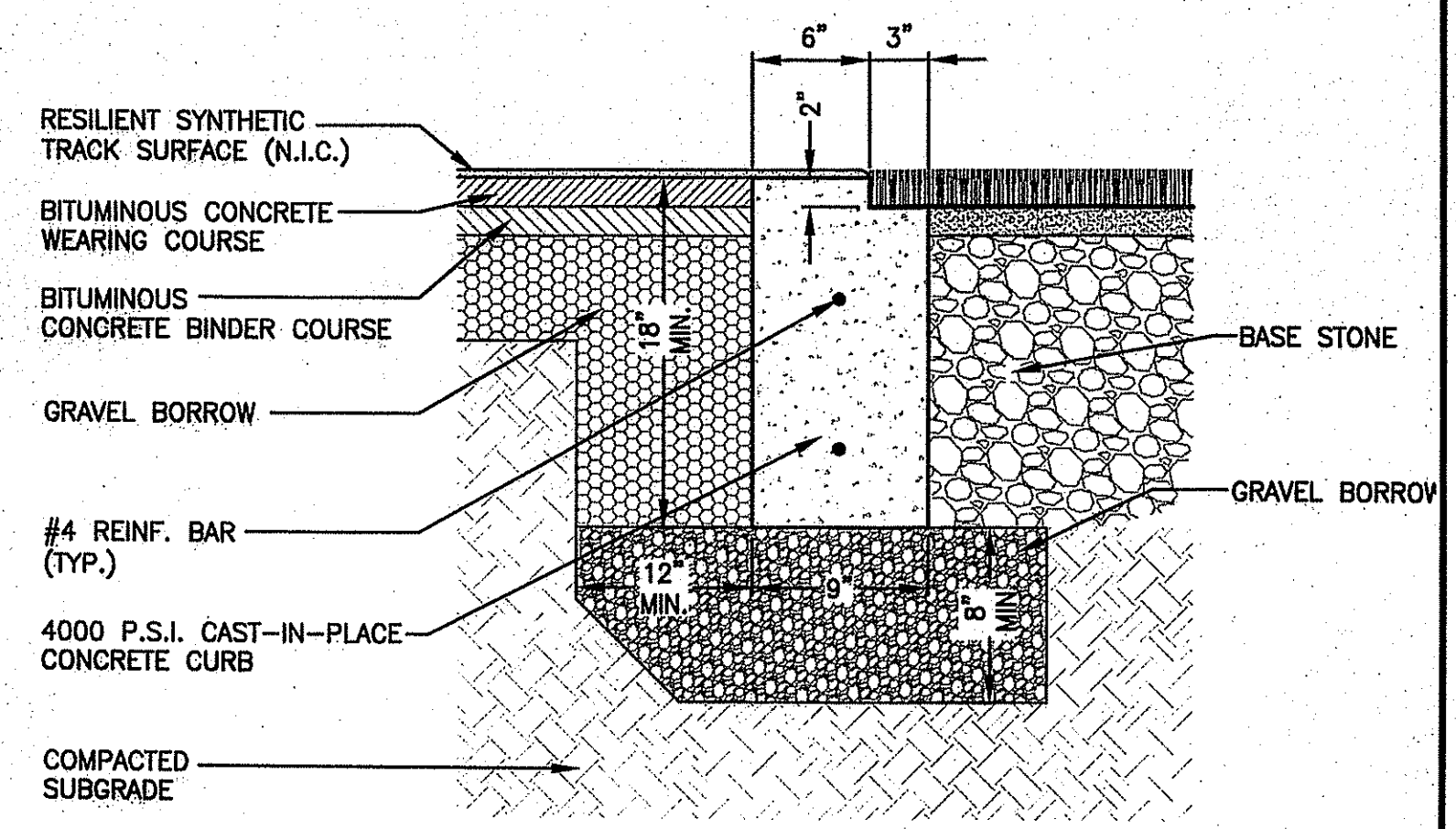
2 CONCRETE RADIUS MONUMENT
NOT TO SCALE



3 BITUMINOUS CONCRETE TRACK SECTION
N.T.S.



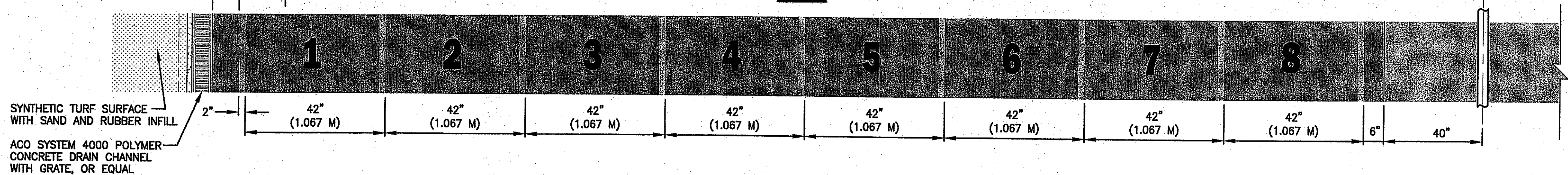
5 SERVICE BOX
N.T.S.



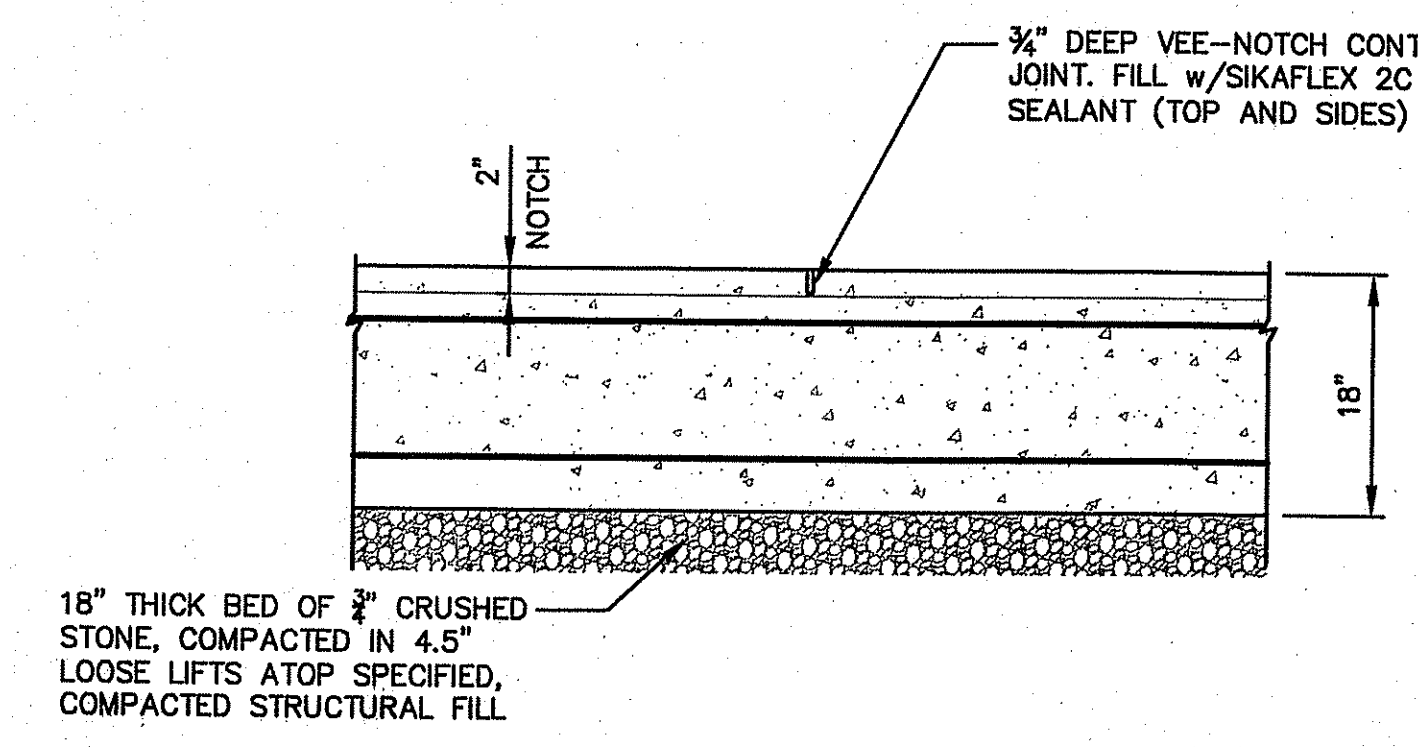
6 CONCRETE ANCHOR CURB @ TRACK D-AREAS
N.T.S.

115' MEASURE LINE (FOR REFERENCE)
114.33' FIRST LANE LINE
EDGE OF SURFACE 113.68

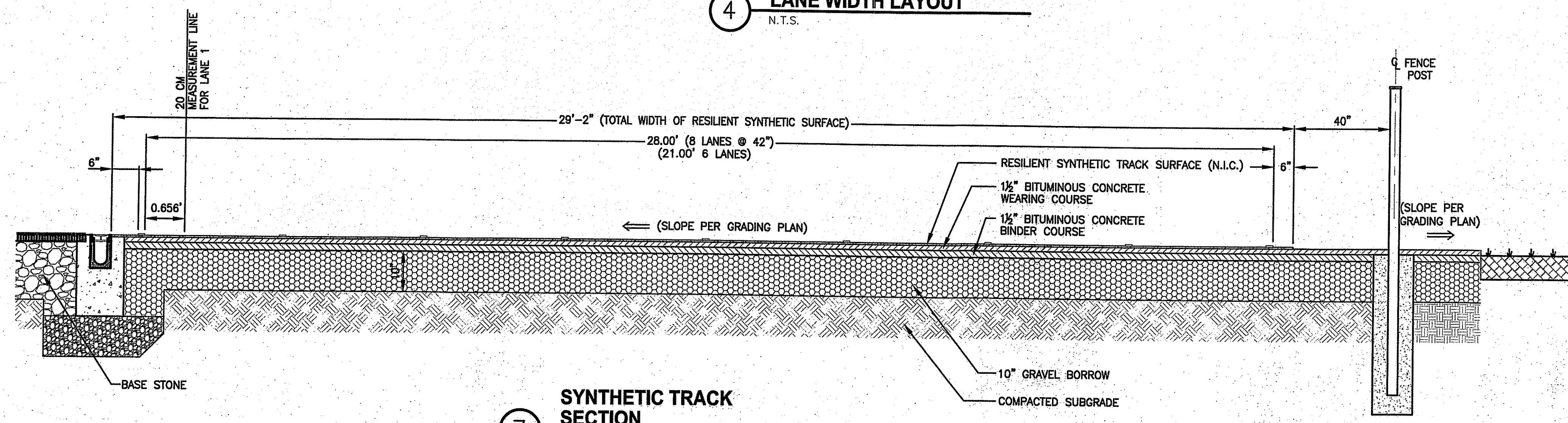
RUNNING DIRECTION



4 LANE WIDTH LAYOUT
N.T.S.



8 TYPICAL CURB CONTROL JOINT
N.T.S.



7 SYNTHETIC TRACK SECTION
N.T.S.

NOTE: N.I.C. = NOT IN CONTRACT

NOTE: TYPICAL ON ALL TRACK CURBING 8' O.C.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 16 2015 FILE # 15-0064
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
JUN 26 2015

PROJECT
**COMMUNITY ATHLETIC COMPLEX
NARRAGANSETT HIGH SCHOOL
245 SOUTH PIER ROAD
NARRAGANSETT, RI 02882**

OWNER
**NARRAGANSETT SCHOOL SYSTEM
25 FIFTH AVENUE
NARRAGANSETT, RI 02882**

REVISIONS		
NO.	DATE	DESCRIPTION

CADD FILE	716800_C501
DESIGNED BY	LAB
DRAWN BY	HAM
CHECKED BY	WJS/JMP
DATE	06/24/15
DRAWING SCALE	N.T.S.

SHEET TITLE
DETAIL SHEET

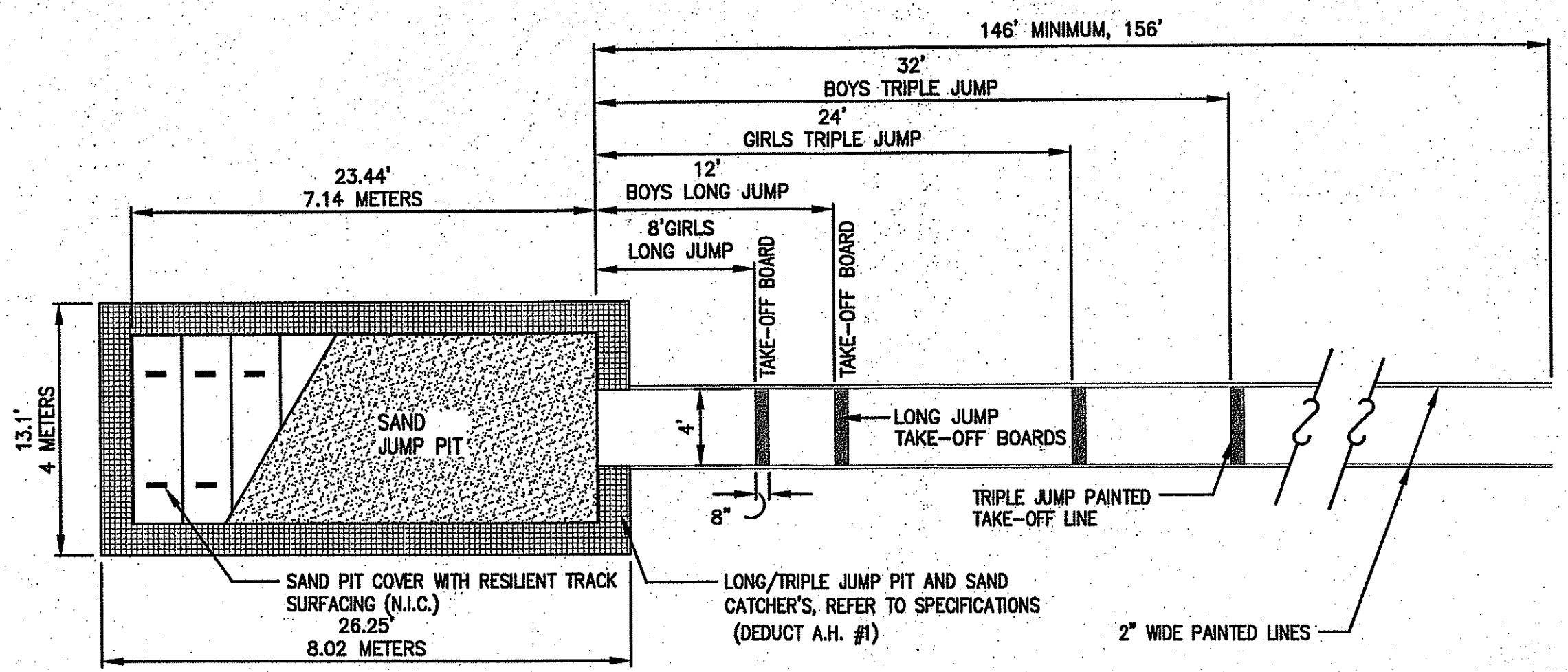
JOHN M. BERRY
6-24-15
No. 9406
C505
REGISTERED PROFESSIONAL ENGINEER
CIVIL
SHEET 19 OF 28
PROJECT NO. 716800

PERMIT SET

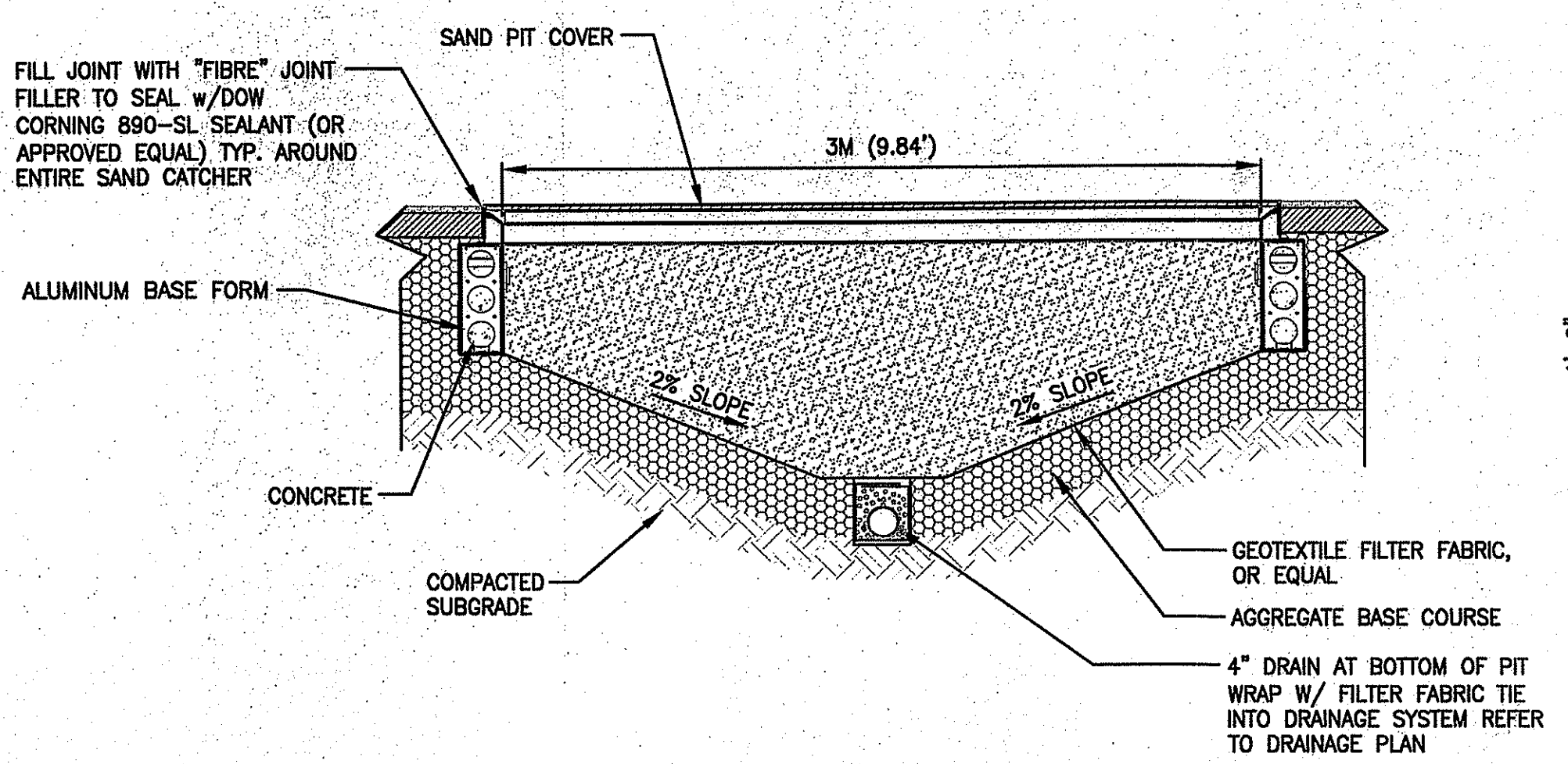


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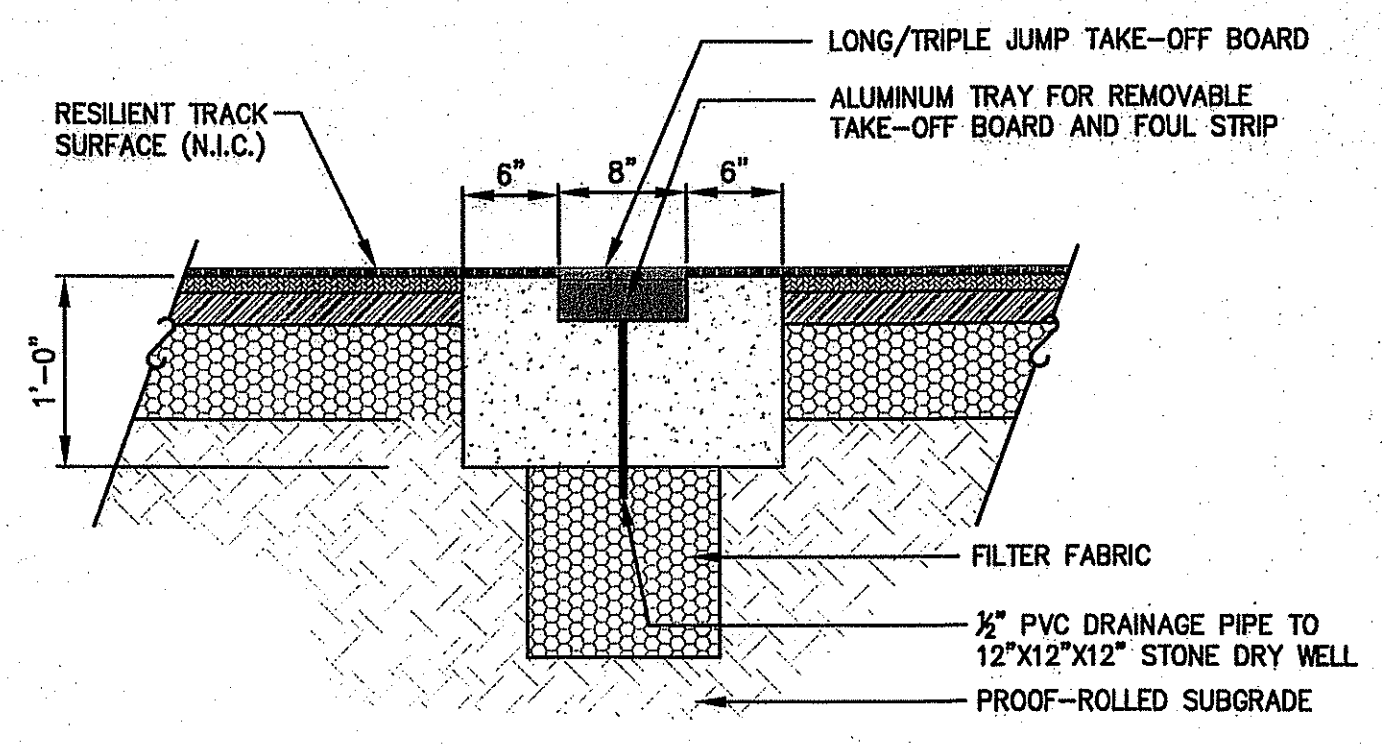
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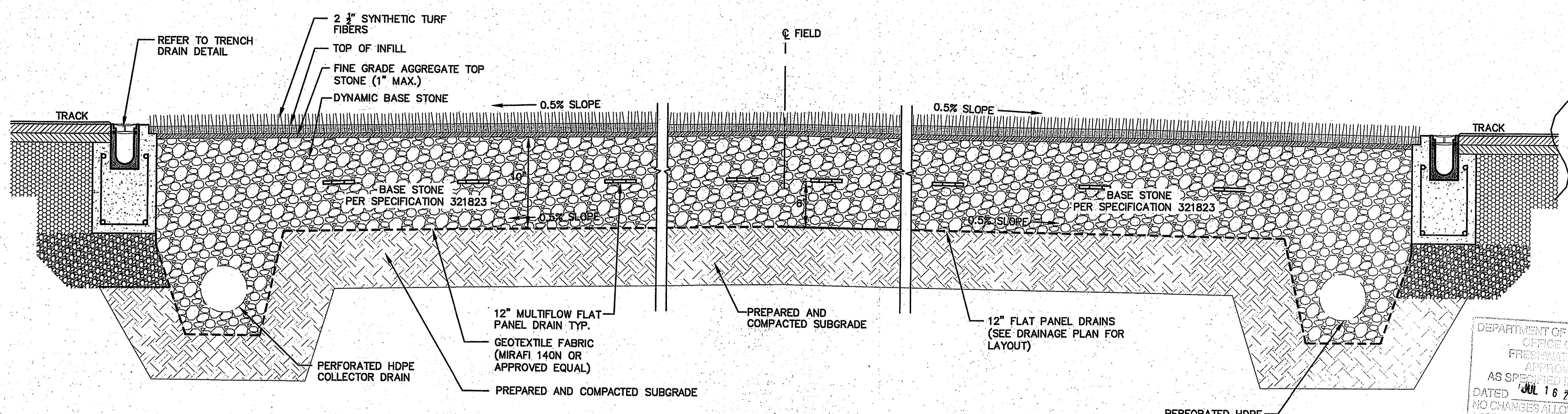
1 COMBINED (LONG JUMP/TRIPLE JUMP)
 N.T.S.
 DEDUCT ALT. No. 1 SHALL BE ELIMINATE SAND CATCHERS.



1A SAND PIT SECTION
 N.T.S.



1B LONG/TRIPLE JUMP TAKE-OFF BOARD DETAIL
 N.T.S.



2 SECTION THROUGH TRACK AND FIELD
 N.T.S.

PROJECT
COMMUNITY ATHLETIC COMPLEX
NARRAGANSETT HIGH SCHOOL
245 SOUTH PIER ROAD
NARRAGANSETT, RI 02882

OWNER
NARRAGANSETT SCHOOL SYSTEM
25 FIFTH AVENUE
NARRAGANSETT, RI 02862

REVISIONS		
NO.	DATE	DESCRIPTION

CADD FILE	716800_C501
DESIGNED BY	LAB
DRAWN BY	HAM
CHECKED BY	WJS/JMP
DATE	06/24/15
DRAWING SCALE	N.T.S.

GRAPHIC SCALE

SHEET TITLE

DETAIL SHEET

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED **JUL 16 2015** FILE # **15-0064**
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
JUN 25 2015
 Office of Field Support

JOHN M. PERRY
 6-24-15
 No. 9406
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 DRAWING NO. **C506**
 SHEET 20 OF 28
 PROJECT NO. 716800

PERMIT SET

PROJECT
**COMMUNITY ATHLETIC COMPLEX
 NARRAGANSETT HIGH SCHOOL
 245 SOUTH PIER ROAD
 NARRAGANSETT, RI 02882**

OWNER
**NARRAGANSETT SCHOOL SYSTEM
 25 FIFTH AVENUE
 NARRAGANSETT, RI 02882**

REVISIONS		
NO.	DATE	DESCRIPTION

CADD FILE	716800_C501
DESIGNED BY	STB
DRAWN BY	WAH
CHECKED BY	WJS/JMP
DATE	06/24/15
DRAWING SCALE	N.T.S.

GRAPHIC SCALE

SHEET TITLE

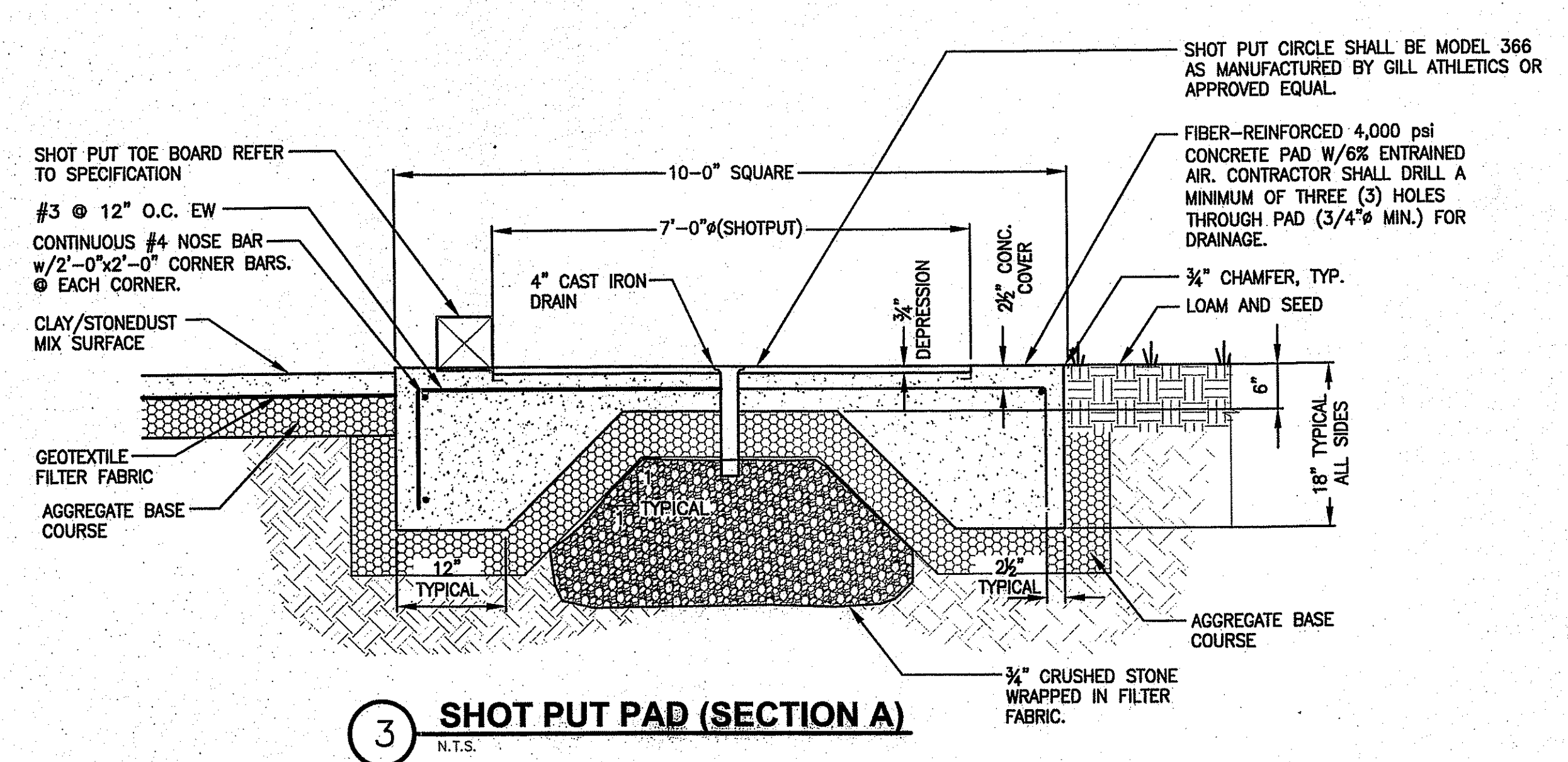
DETAIL SHEET

JOHN M. PERRY	DRAWING NO.
No. 940	C507
REGISTERED PROFESSIONAL ENGINEER CIVIL	SHEET 21 OF 28
PROJECT NO. 716800	

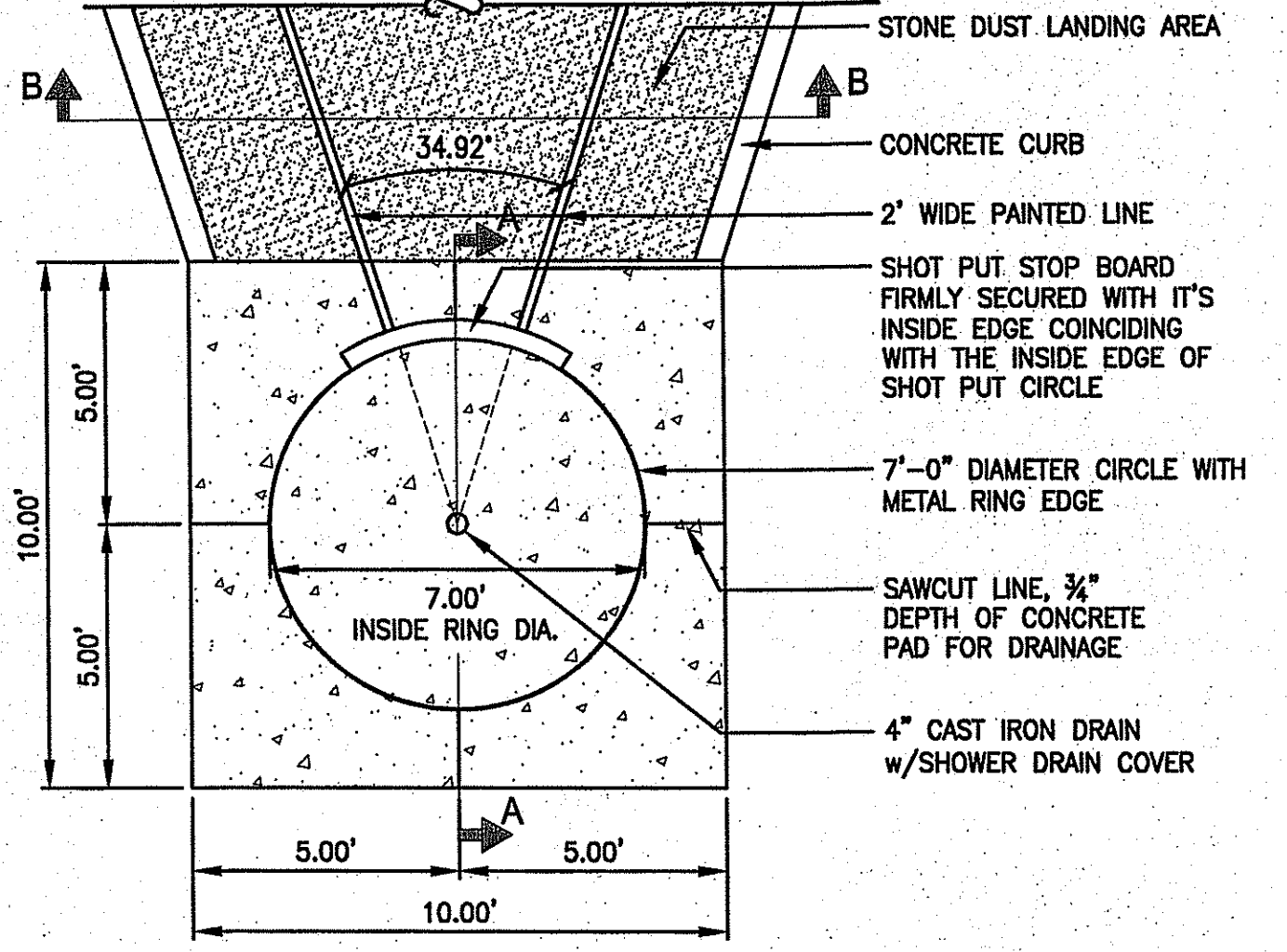
PERMIT SET

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 16 2015 FILE # 15-0064
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.
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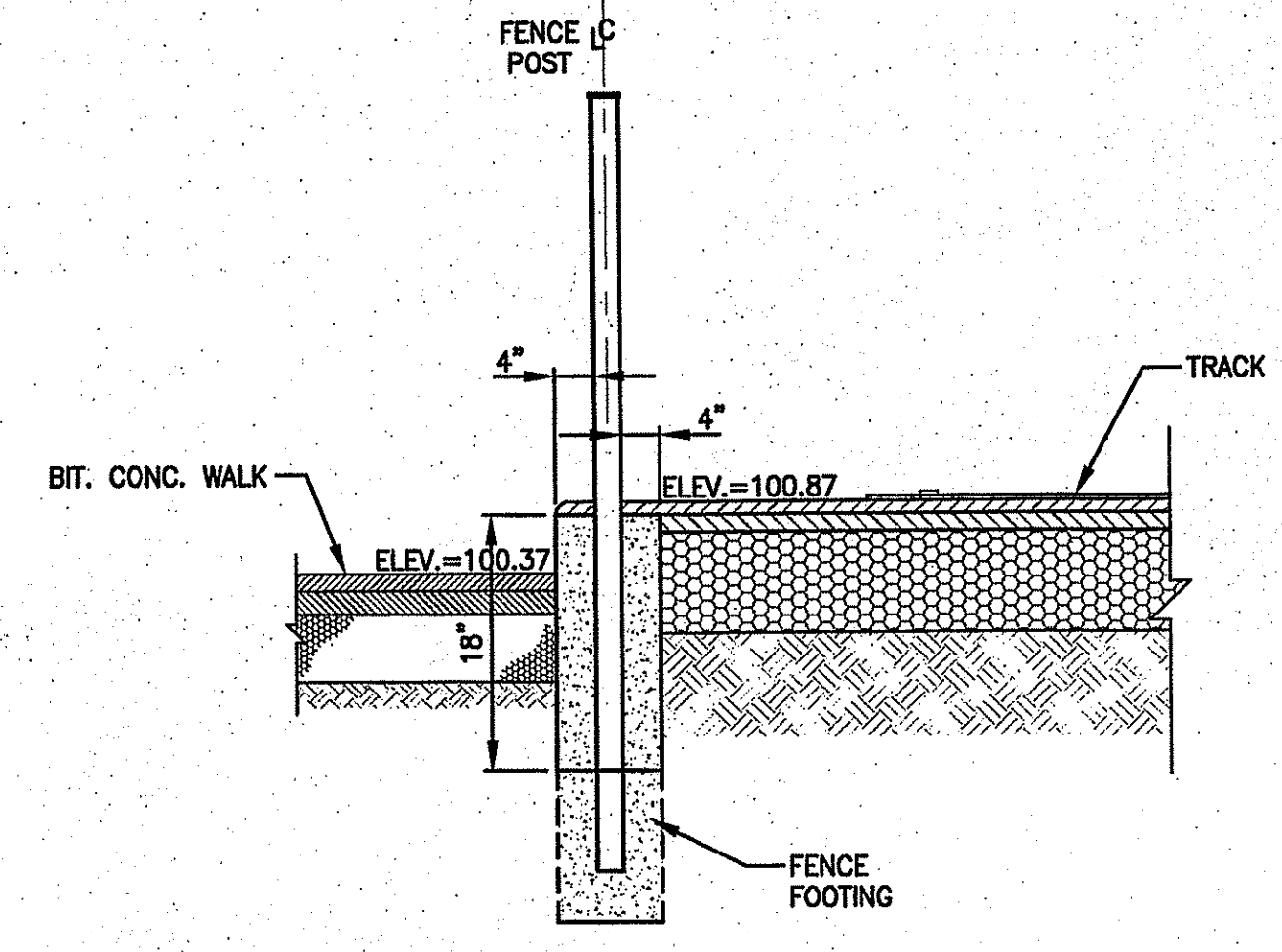
Environmental Management
 JUN 26 2015
 Office of Water Resources



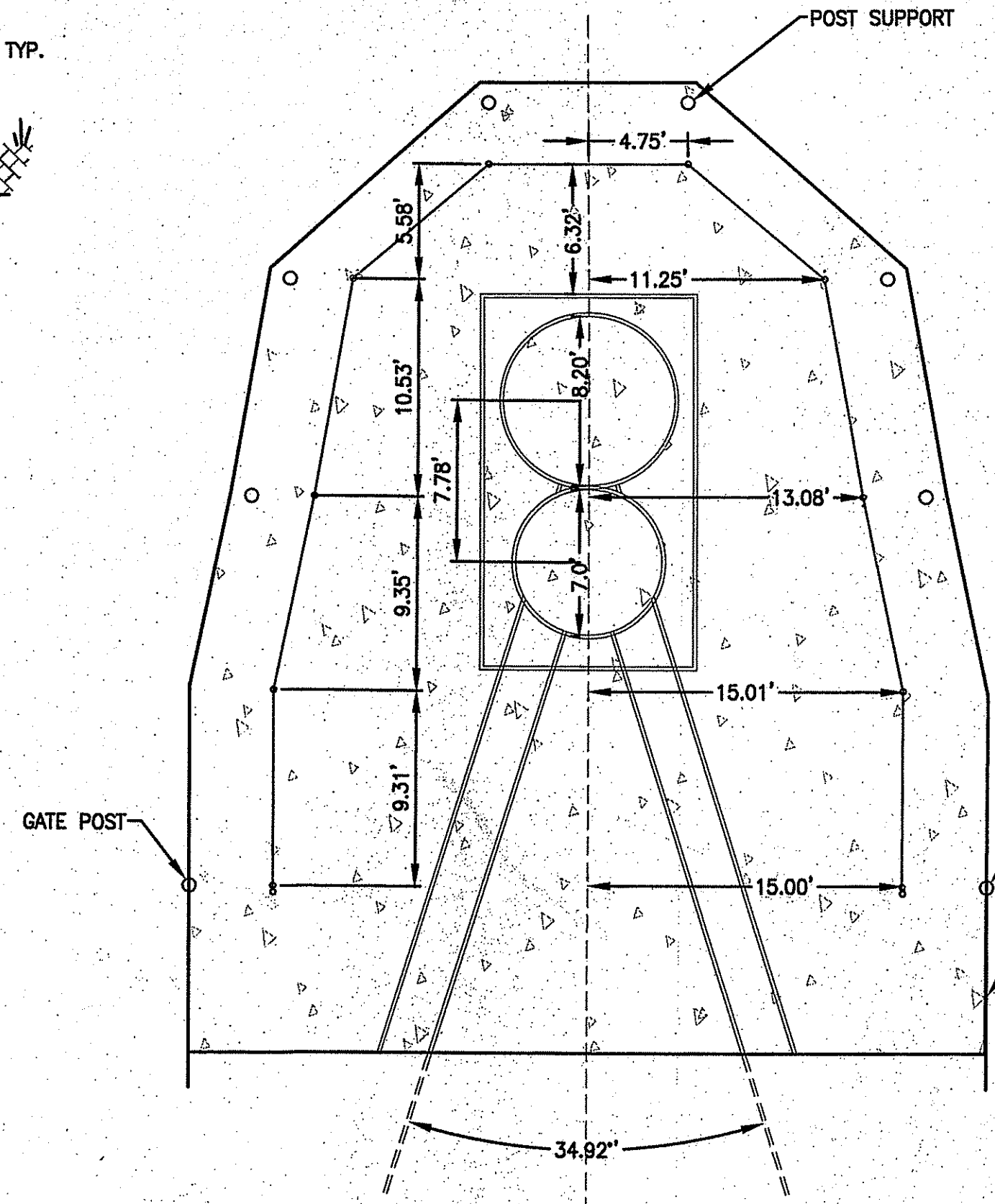
3 SHOT PUT PAD (SECTION A)
 N.T.S.



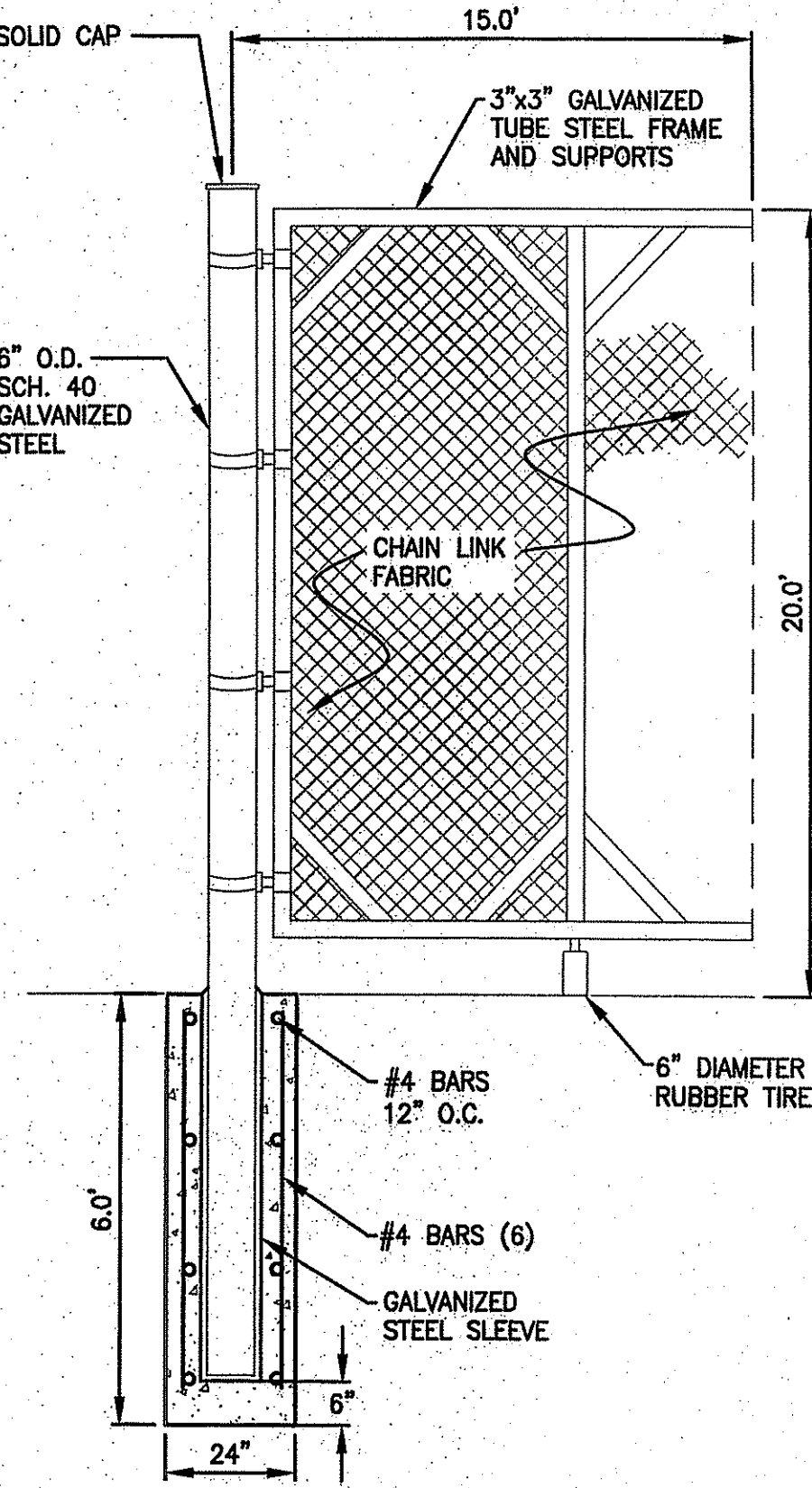
2 SHOT PUT LAYOUT
 N.T.S.



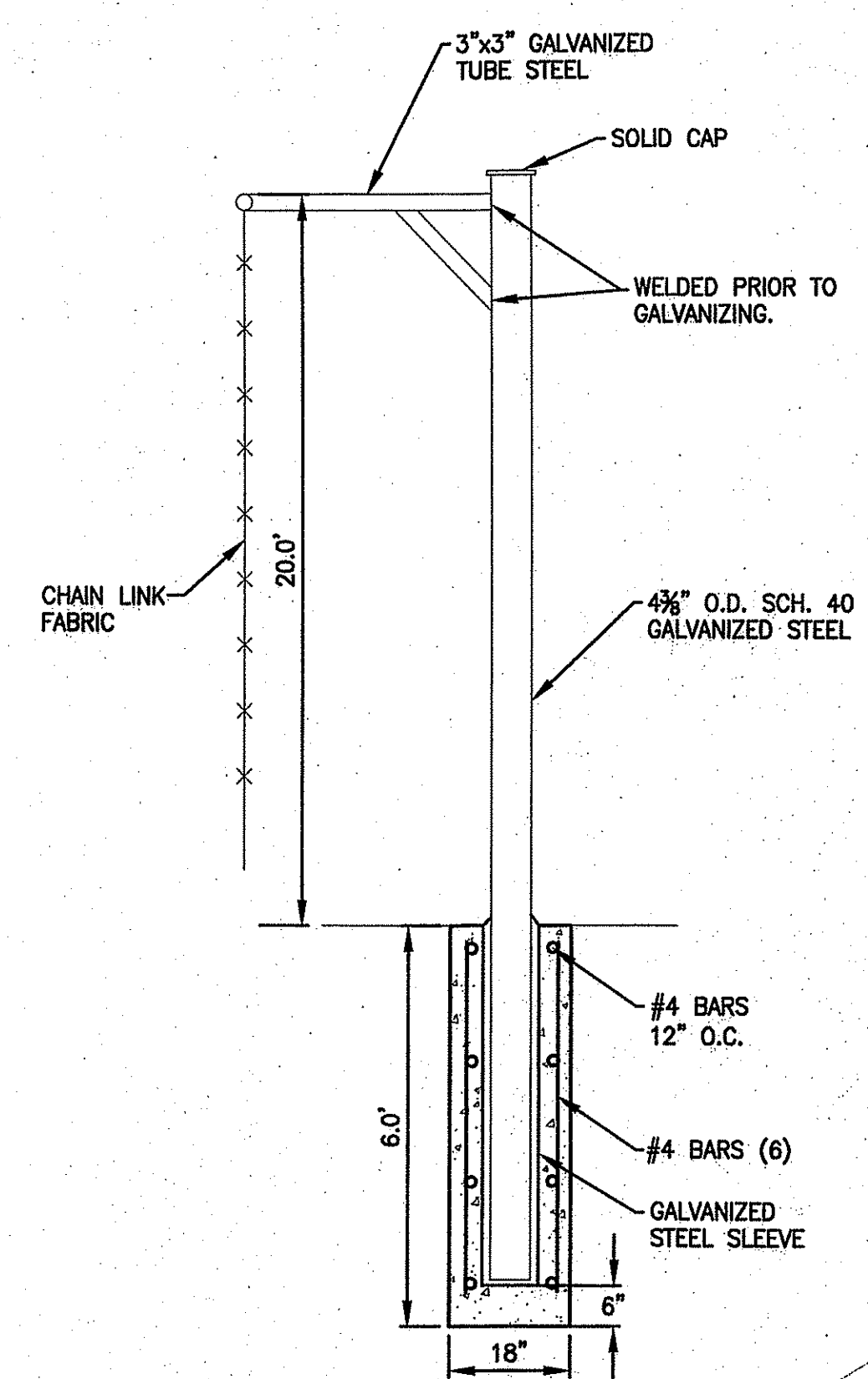
1 FENCE IN CURB DETAIL
 N.T.S.



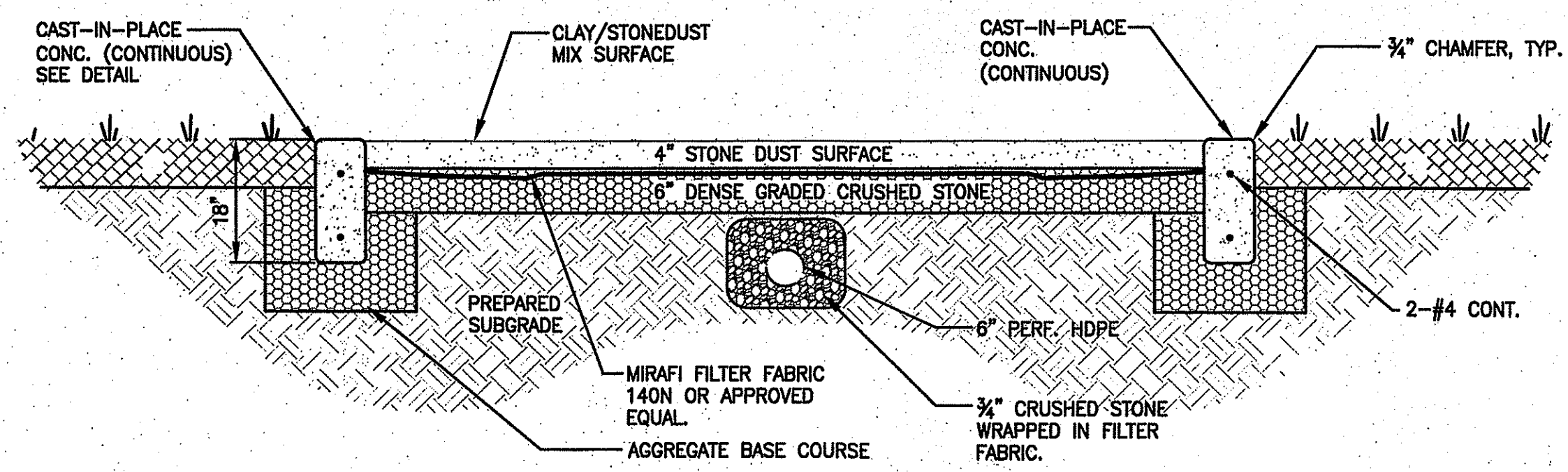
6 HAMMER THROW PAD LAYOUT
 N.T.S.



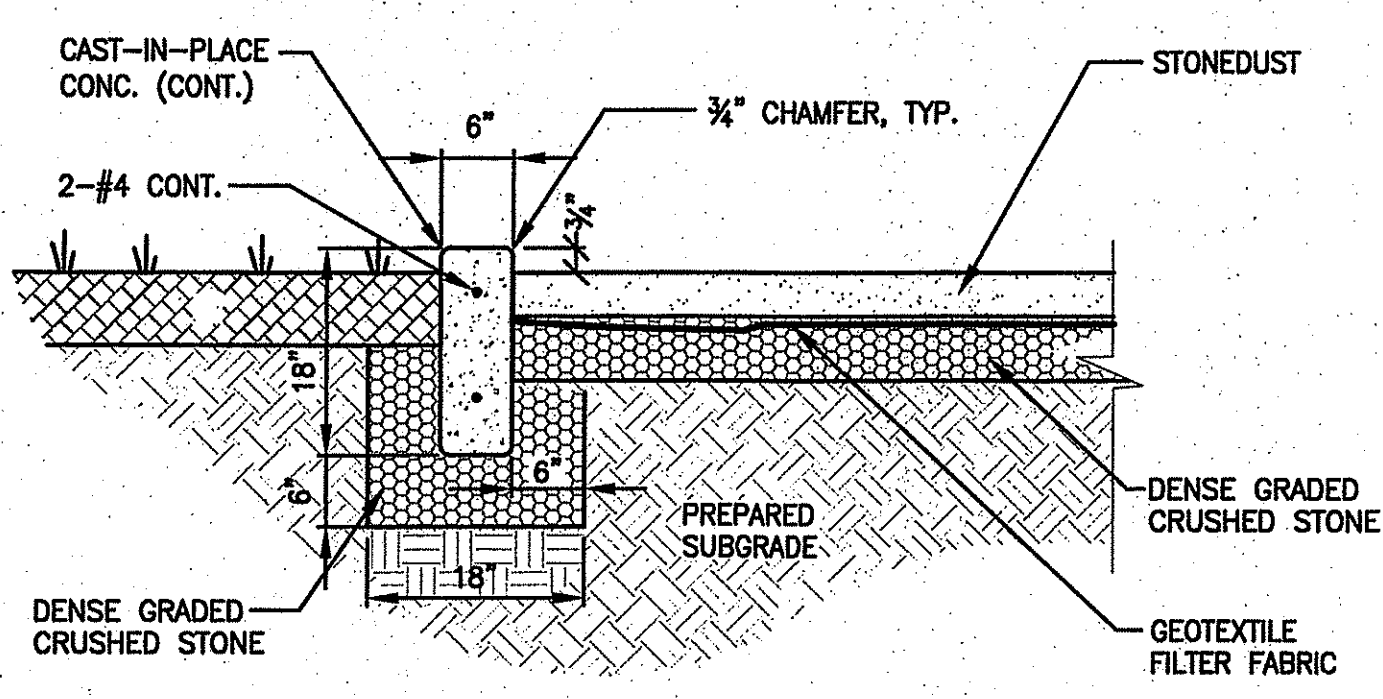
7 HAMMER GATE
 N.T.S.



8 POST SUPPORT
 N.T.S.



4 SHOT PUT LANDING AREA (SECTION B)
 N.T.S.



5 SHOT PUT LANDING AREA CURB
 N.T.S.

PROJECT
COMMUNITY ATHLETIC COMPLEX
NARRAGANSETT HIGH SCHOOL
 245 SOUTH PIER ROAD
 NARRAGANSETT, RI 02882

OWNER
NARRAGANSETT SCHOOL SYSTEM
 25 FIFTH AVENUE
 NARRAGANSETT, RI 02882

REVISIONS

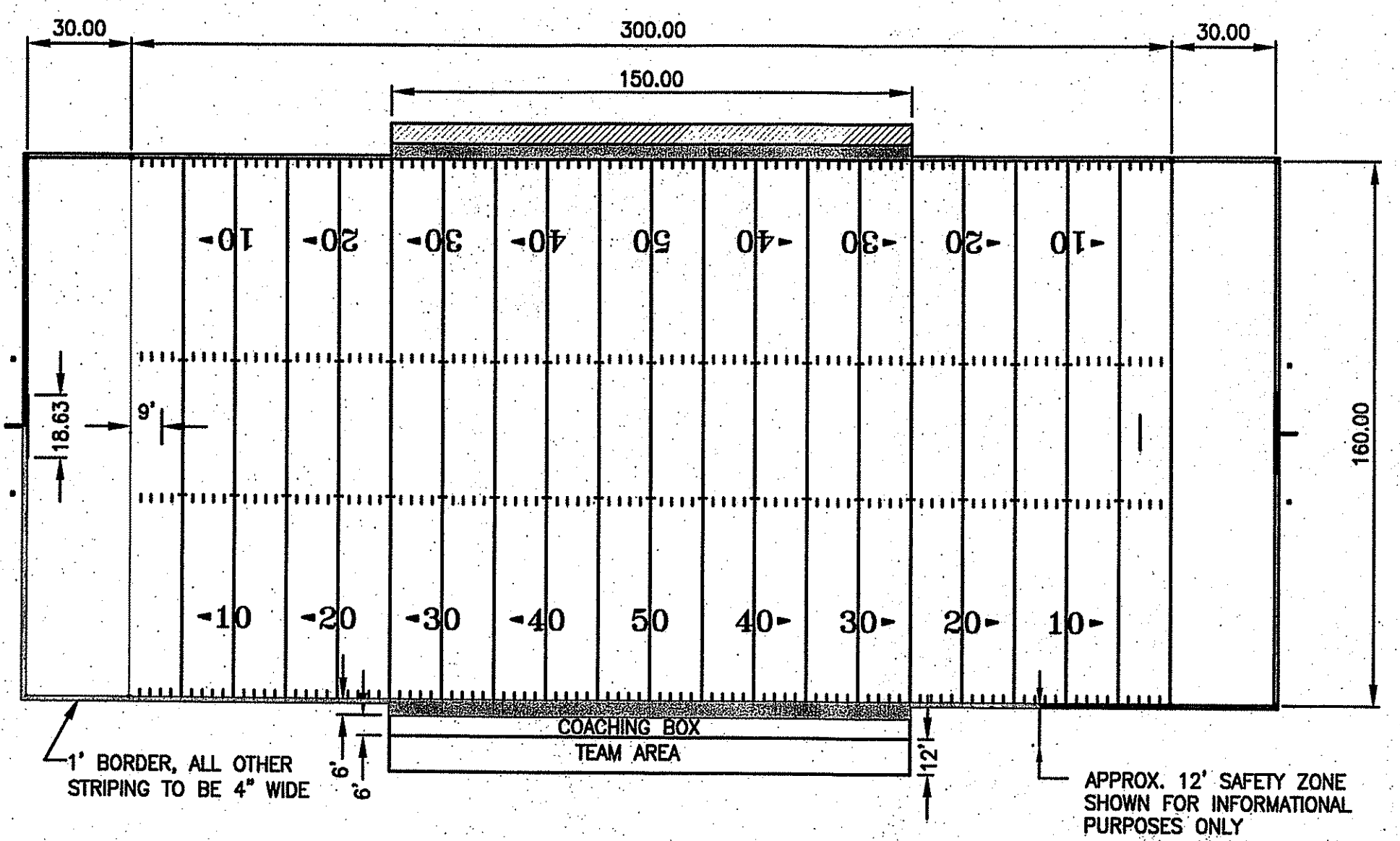
NO.	DATE	DESCRIPTION

CADD FILE	716800_C501
DESIGNED BY	STB
DRAWN BY	WAH
CHECKED BY	WJS/JMP
DATE	06/24/15
DRAWING SCALE	N.T.S.

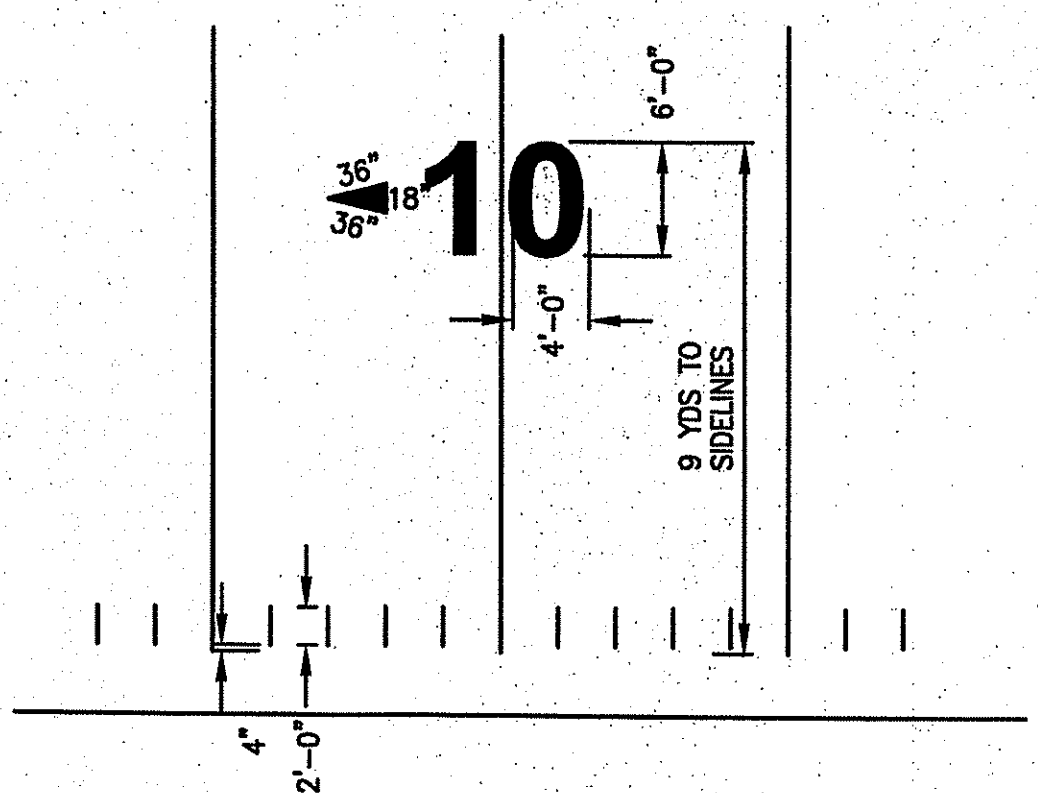
GRAPHIC SCALE

SHEET TITLE (Revised)
 Environmental
 06/26/2015
DETAIL SHEET
 City of Narragansett

JOHN M. PERRY
 6-24-15
 No. 9400
C508
 REGISTERED PROFESSIONAL ENGINEER SHEET 22 OF 28
 CIVIL
 PROJECT NO. 716800



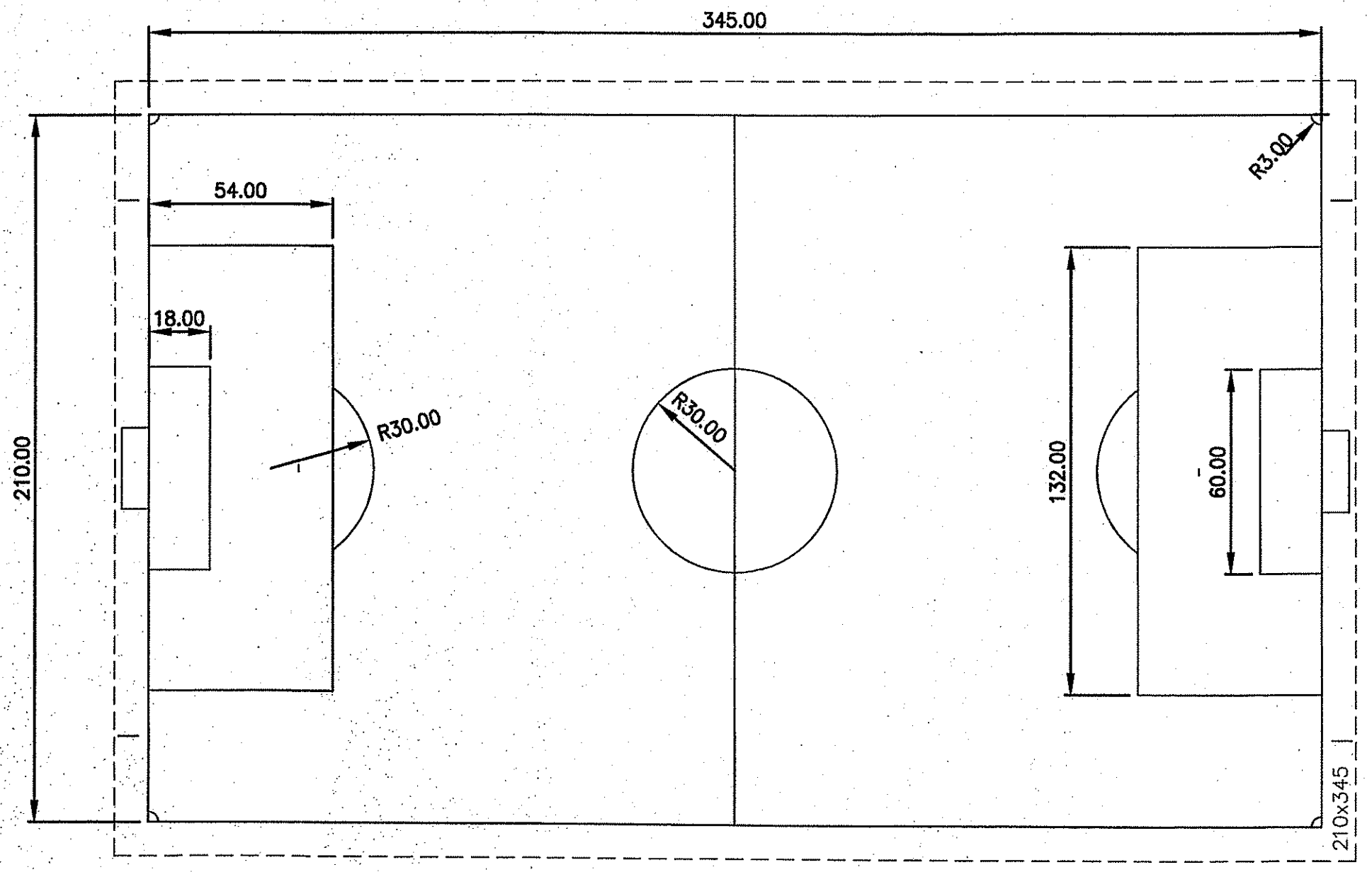
1 FOOTBALL STRIPING DETAIL (TUFTED/INLAID WHITE)
 N.T.S.



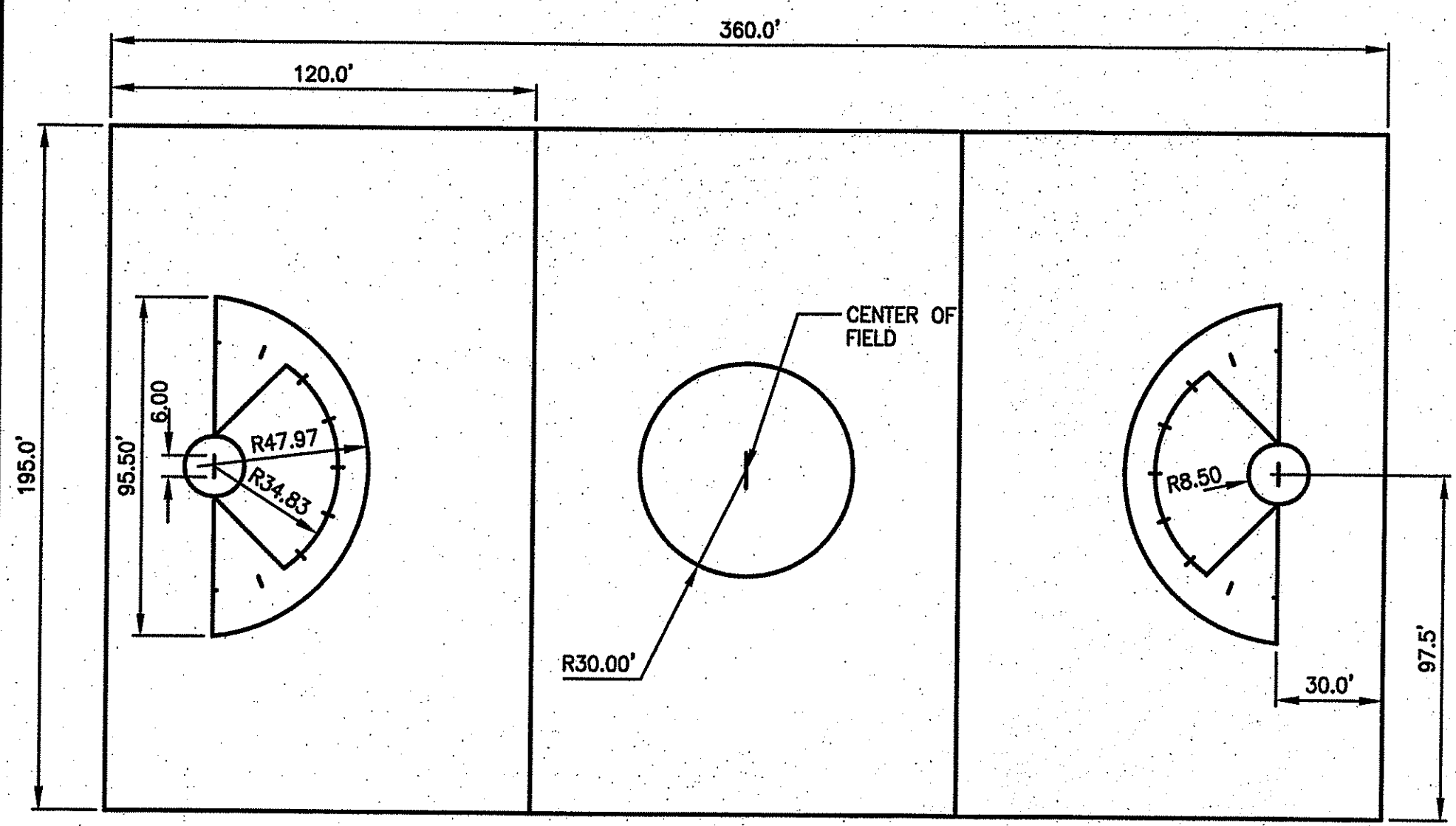
- NOTES:
1. THE CONTRACTOR SHALL PAINT ON THE FIELD, 4-INCHES FROM EACH SIDELINE, YARD-LINE EXTENSIONS (HASH MARKS) THAT SHOULD BE 2-FEET IN LENGTH AND 4-INCHES IN WIDTH.
 2. THE CONTRACTOR SHALL PAINT NUMERALS, WHICH SHALL BE 6-FEET IN HEIGHT AND 4 FEET IN WIDTH, & DIRECTIONAL ARROWS AT THE 10, 20, 30, 40 AND 50 YARD LINES.
 3. THE TOPS OF THE NUMBERS SHOULD BE 9-YARDS FROM THE SIDELINE.
 4. CONTRACTOR SHALL INCLUDE DIRECTIONAL ARROWS NEXT TO THE YARD-LINE NUMBERS INDICATING THE DIRECTION TOWARD THE NEAREST GOAL LINE.

ALL PROPOSED STRIPING SHALL BE IN ACCORDANCE WITH RHODE ISLAND INTERSCHOLASTIC LEAGUE REGULATIONS

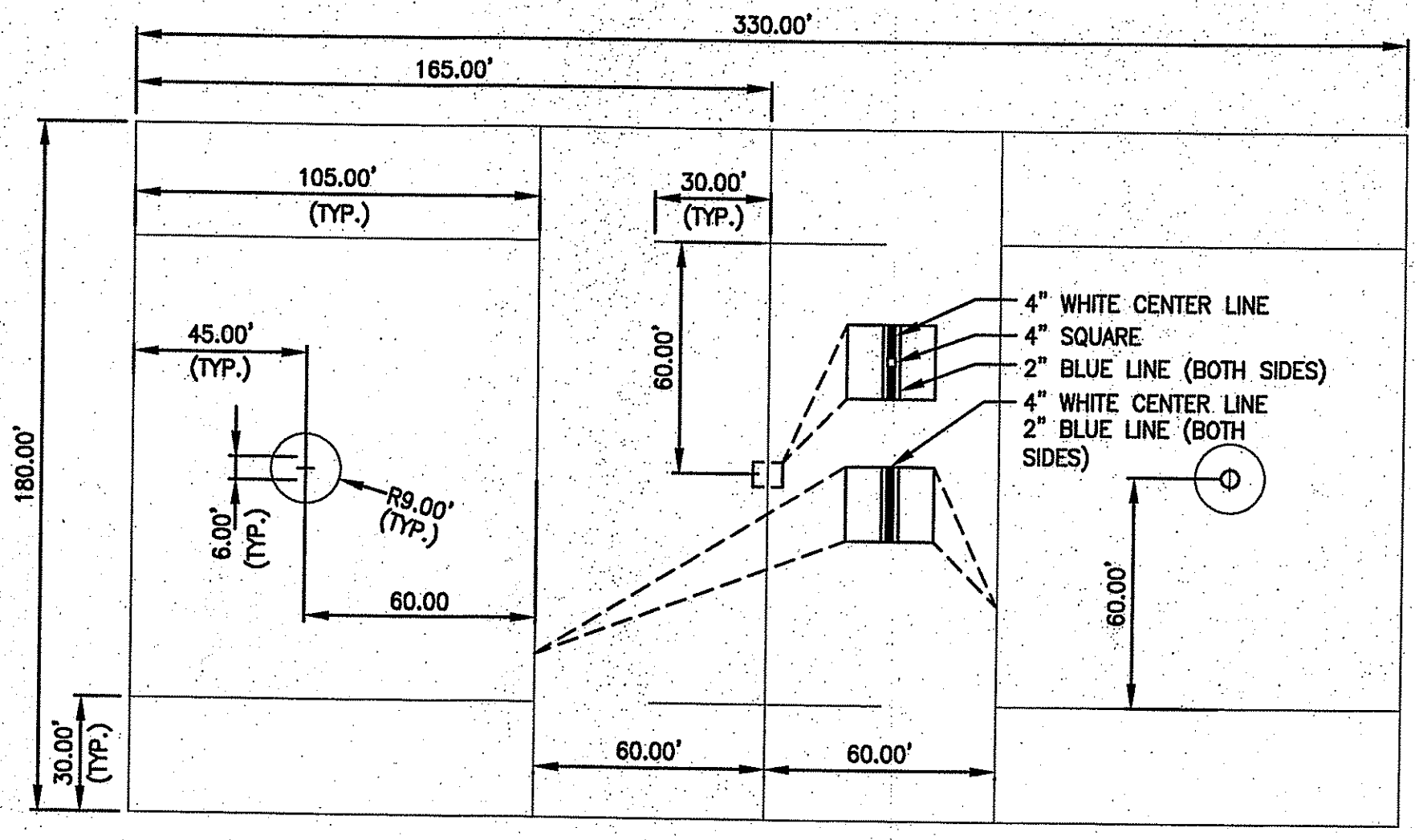
2 YARD-LINE NUMBERING DETAIL
 N.T.S.



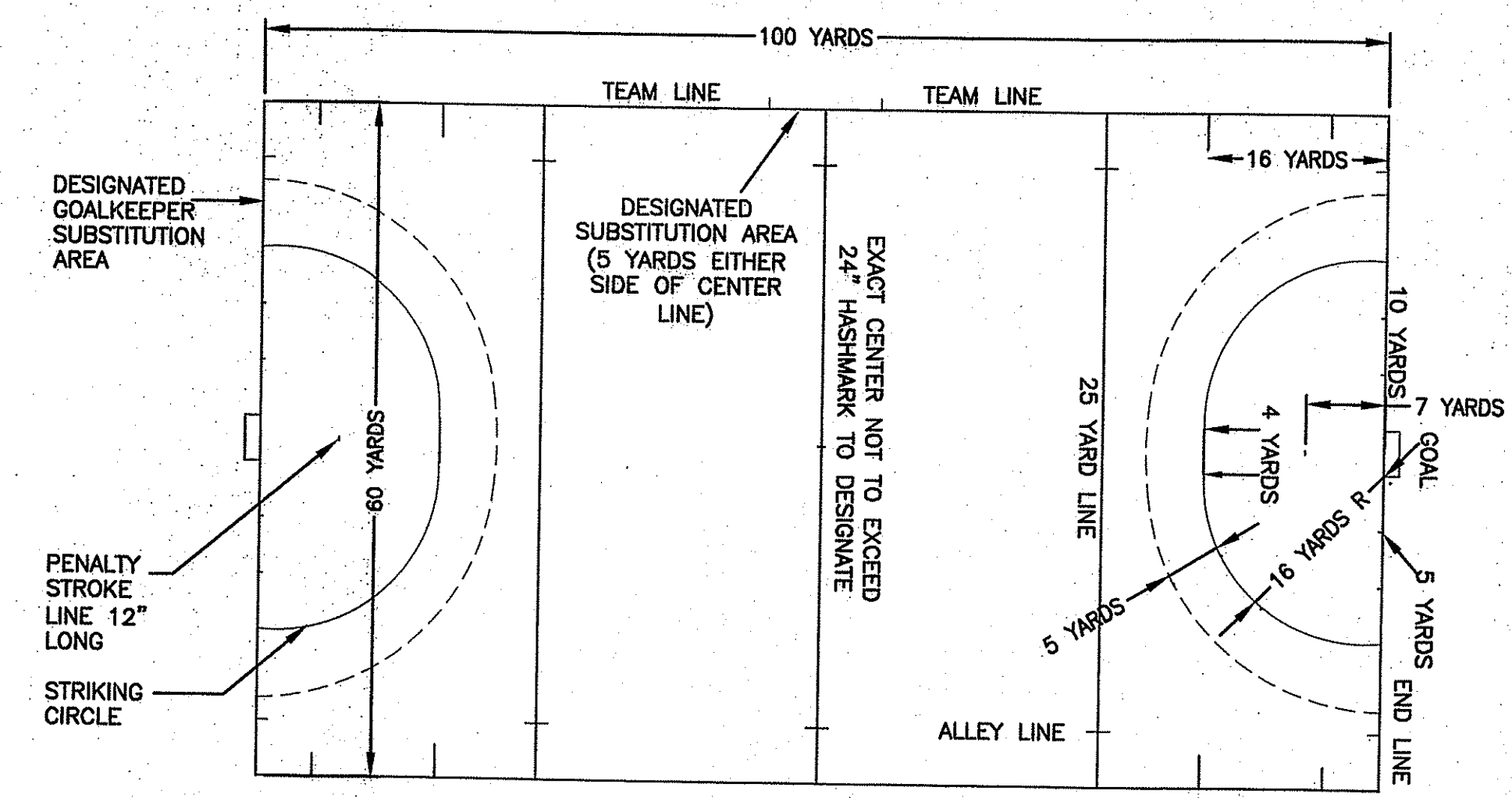
3 SOCCER STRIPING DETAIL (TUFTED INLAID GOLD)
 N.T.S.



4 WOMEN'S LACROSSE STRIPING DETAIL (PAINTED RED)
 N.T.S.



5 MEN'S LACROSSE STRIPING DETAIL (PAINTED BLUE)
 N.T.S.



6 FIELD HOCKEY STRIPING DETAIL (PAINTED BLACK)
 N.T.S.

- NOTE:
1. CONTRACTOR TO INCLUDE TWELVE (12) 3/8" MASON SPIKES FOR EACH FIELD LAYOUT. LOCATIONS TO BE LOCATED BY GPS AND COORDINATES GIVEN TO OWNER.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESH WATER WATERSHEDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 16 2015 FILE # 15-0064
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

PERMIT SET

PROJECT
COMMUNITY ATHLETIC COMPLEX
NARRAGANSETT HIGH SCHOOL
245 SOUTH PIER ROAD
NARRAGANSETT, RI 02882

OWNER
NARRAGANSETT SCHOOL SYSTEM
25 FIFTH AVENUE
NARRAGANSETT, RI 02882

REVISIONS		
NO.	DATE	DESCRIPTION

CADD FILE	716800_C501
DESIGNED BY	STB
DRAWN BY	WAH
CHECKED BY	WJS/JMP
DATE	06/24/15
DRAWING SCALE	N.T.S.

GRAPHIC SCALE	

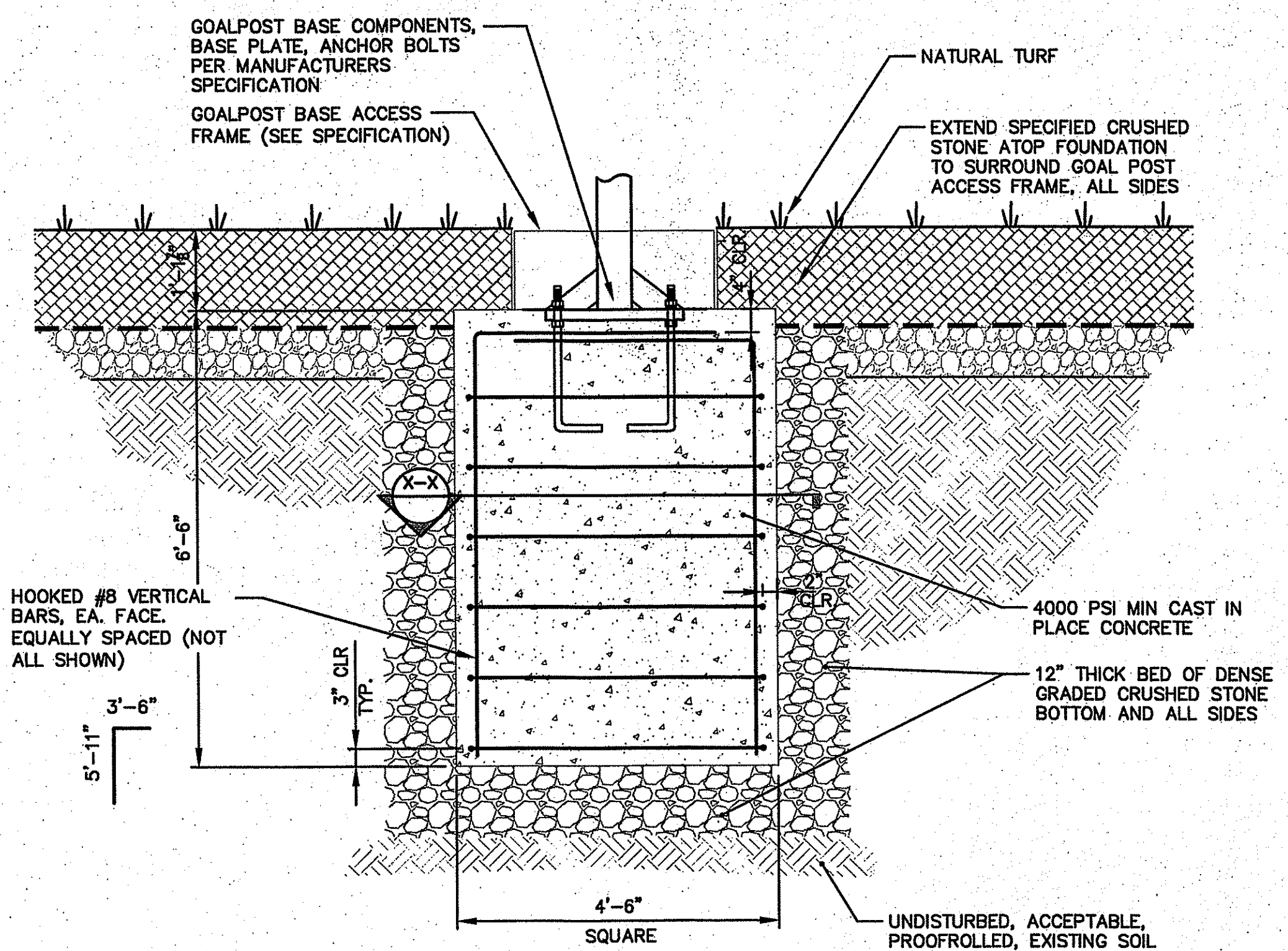
SHEET TITLE
DETAIL SHEET

JOHN M. PERRY
No. 9406
REGISTERED PROFESSIONAL ENGINEER
CIVIL
JUL 26 2015
Office of Water Resources

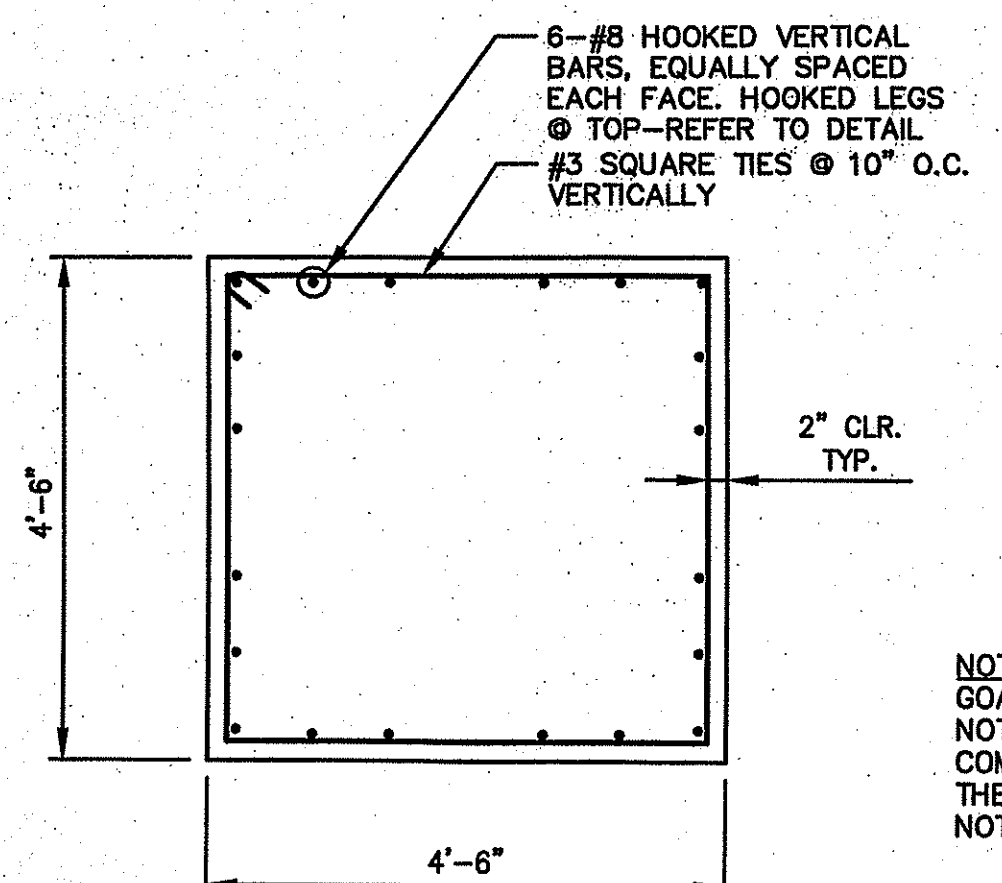
DRAWING NO.
C509

SHEET 23 OF 28
PROJECT NO. 716800

PERMIT SET

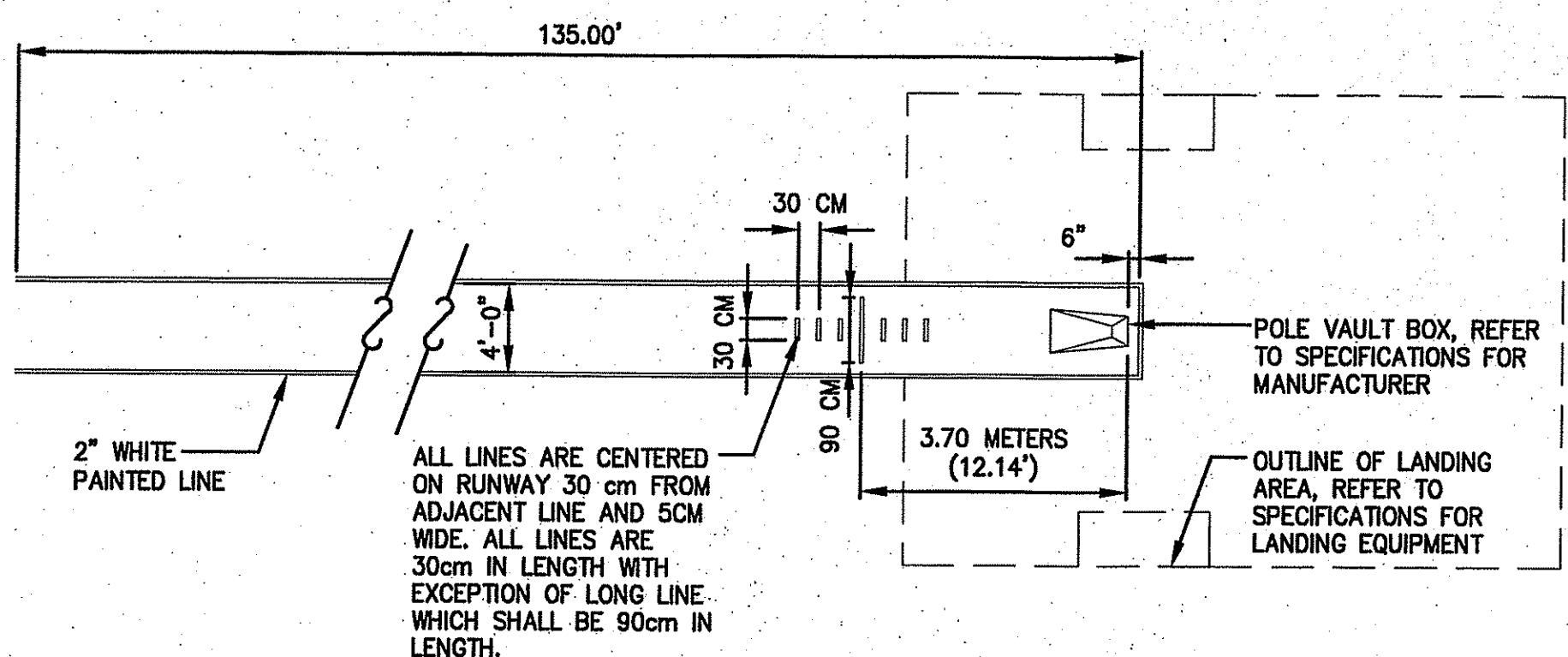


1 FOOTBALL GOAL FOUNDATION
N.T.S.

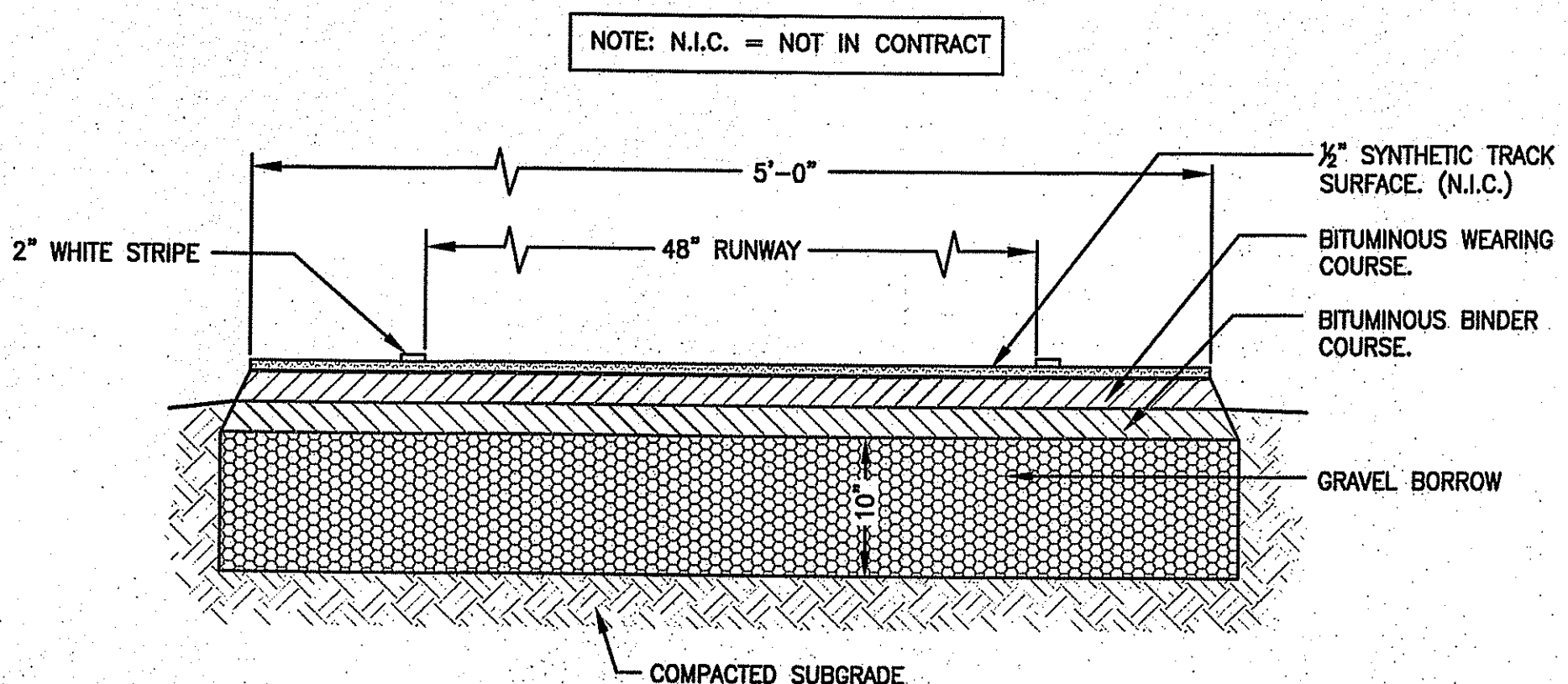


SECTION X-X

NOTE:
GOAL POST FOUNDATION IS NOT CONSIDERED AS A COMPRESSION MEMBER, THEREFORE SEISMIC TIES NOT REQUIRED

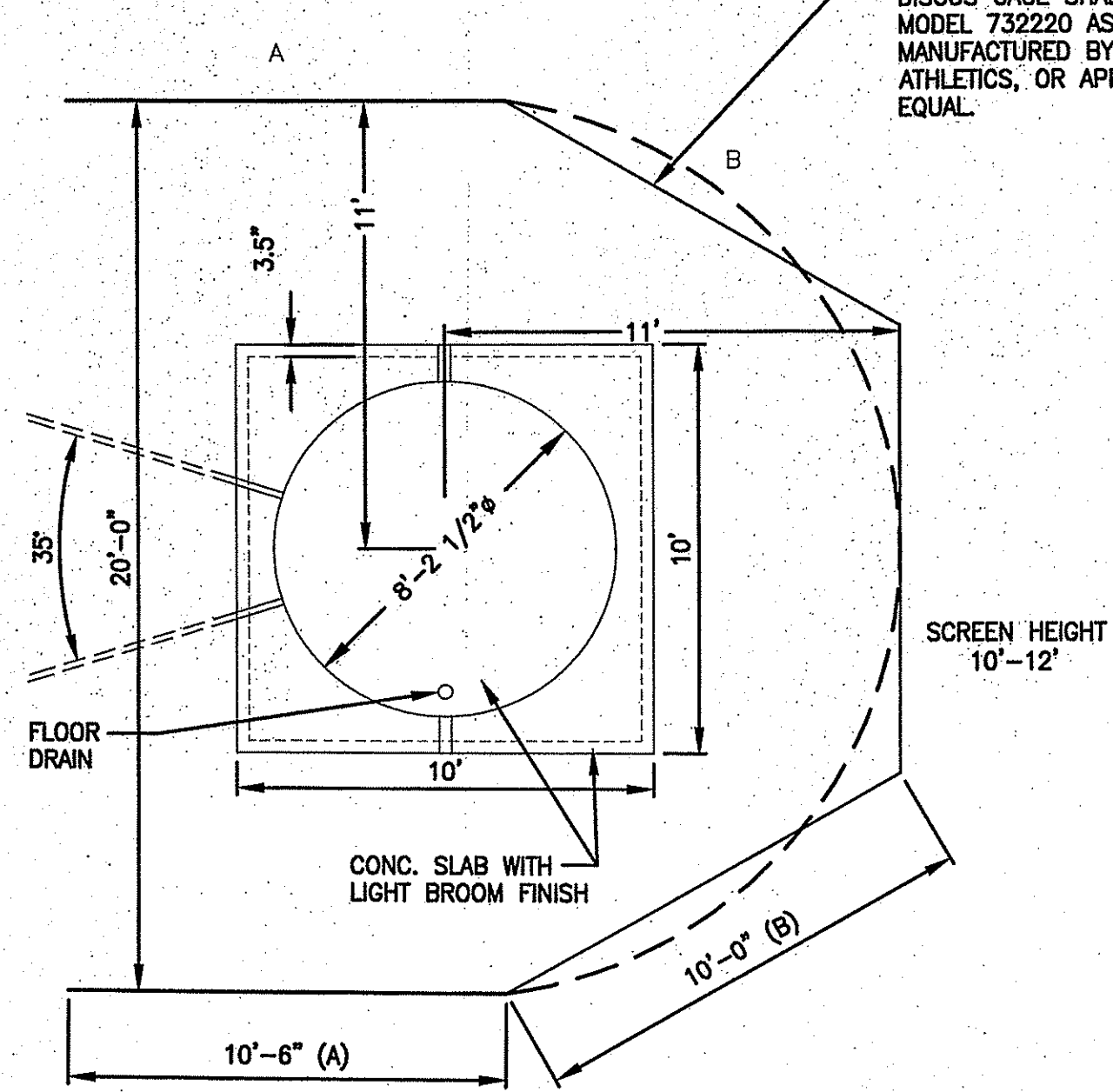


4 POLE VAULT LAYOUT
N.T.S.



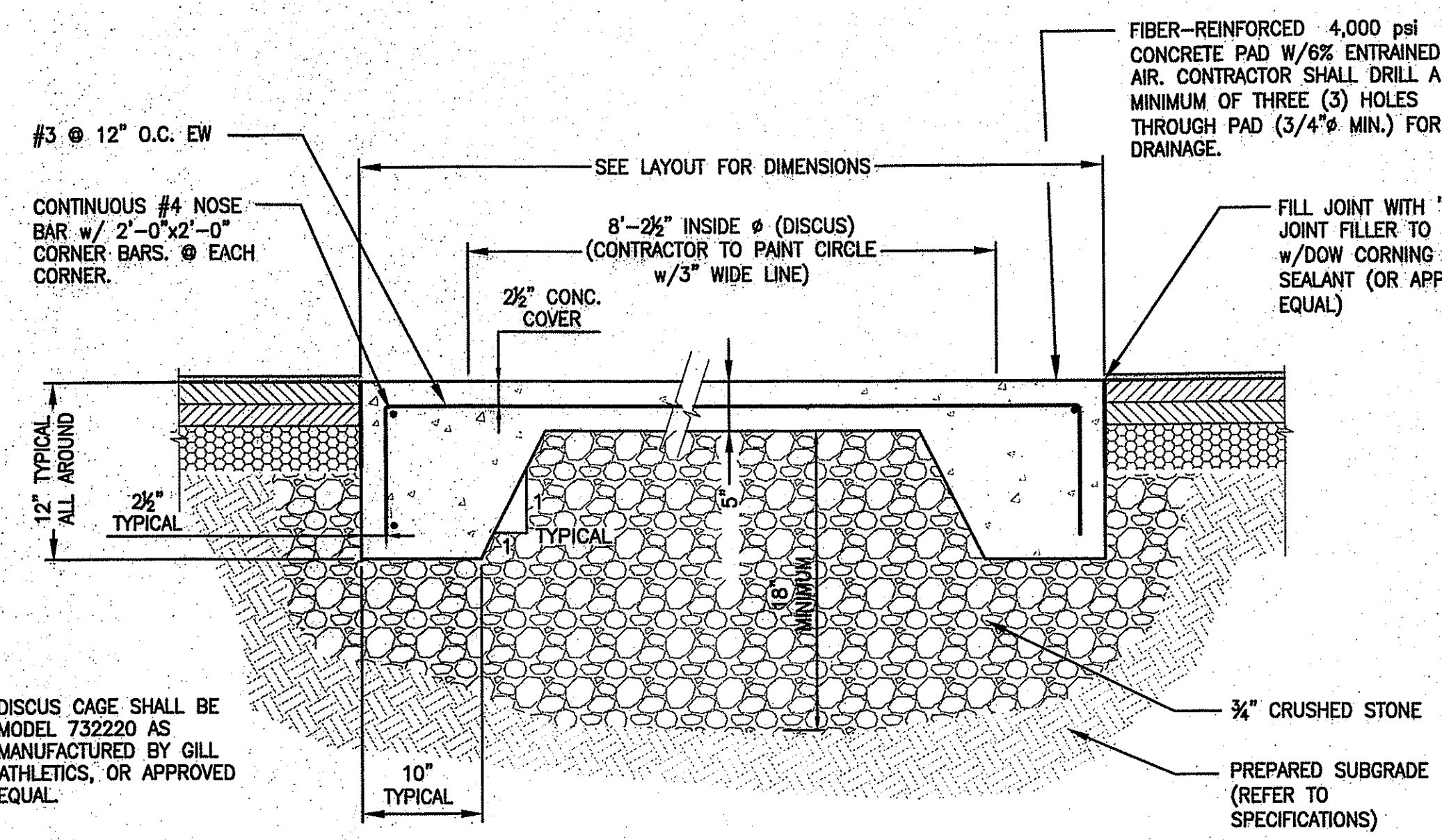
4A POLE VAULT RUNWAY
N.T.S.

NOTES:
1. MAX. CROSS-SLOPE OF THE RUNWAY SHALL NOT EXCEED 1:100.
2. MAX. SLOPE OF THE RUNWAY IN THE RUNNING DIRECTION SHALL NOT EXCEED 1:1000.

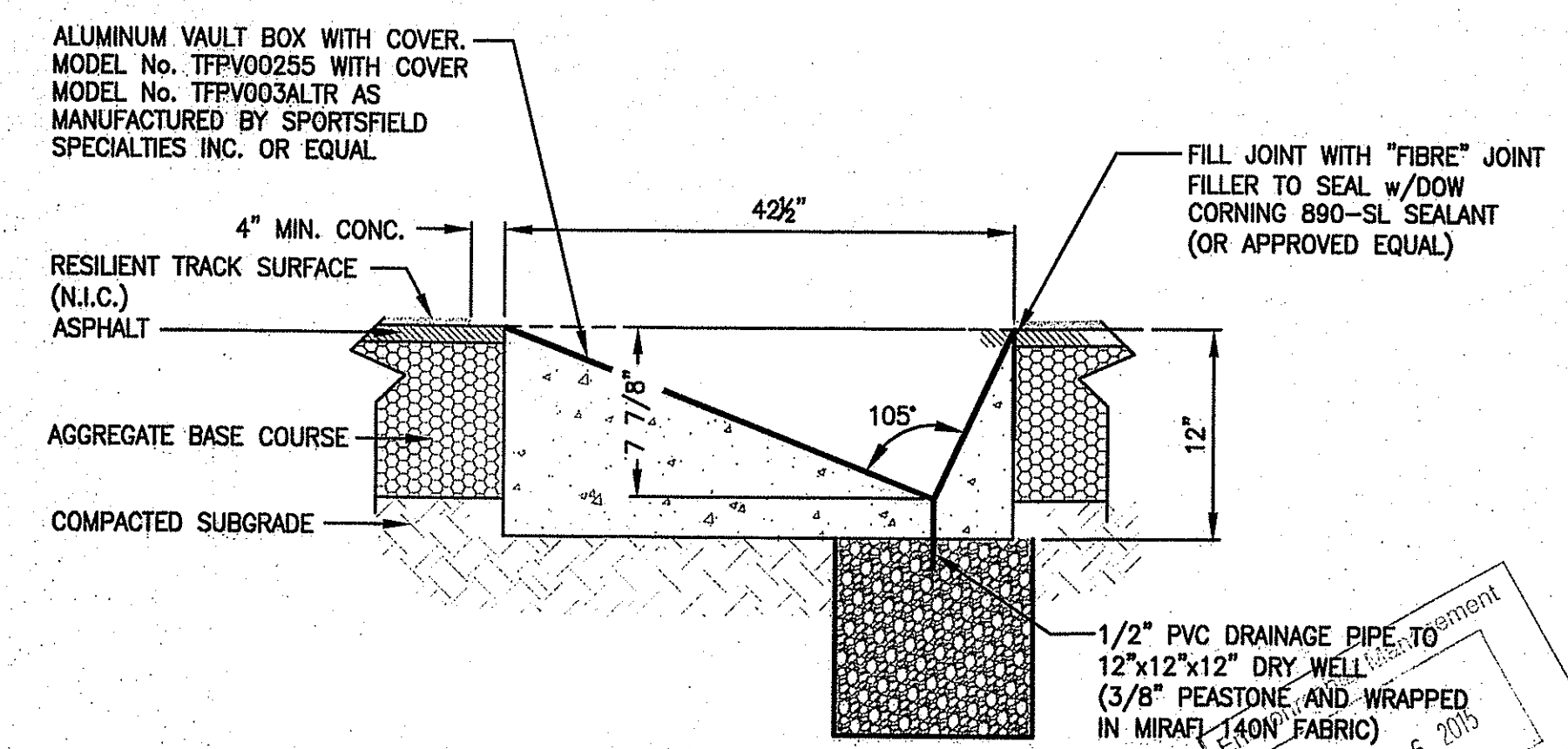


2 DISCUS PAD AND CAGE
N.T.S.

NOTE:
1) CONTRACTOR TO INSTALL PERMANENT SLEEVES AS NECESSARY, WITH REMOVABLE CAPS, FLUSH WITH THE SURFACE, TO ALLOW FOR PROPER INSTALLATION OF THE SPECIFIED DISCUS CAGE.

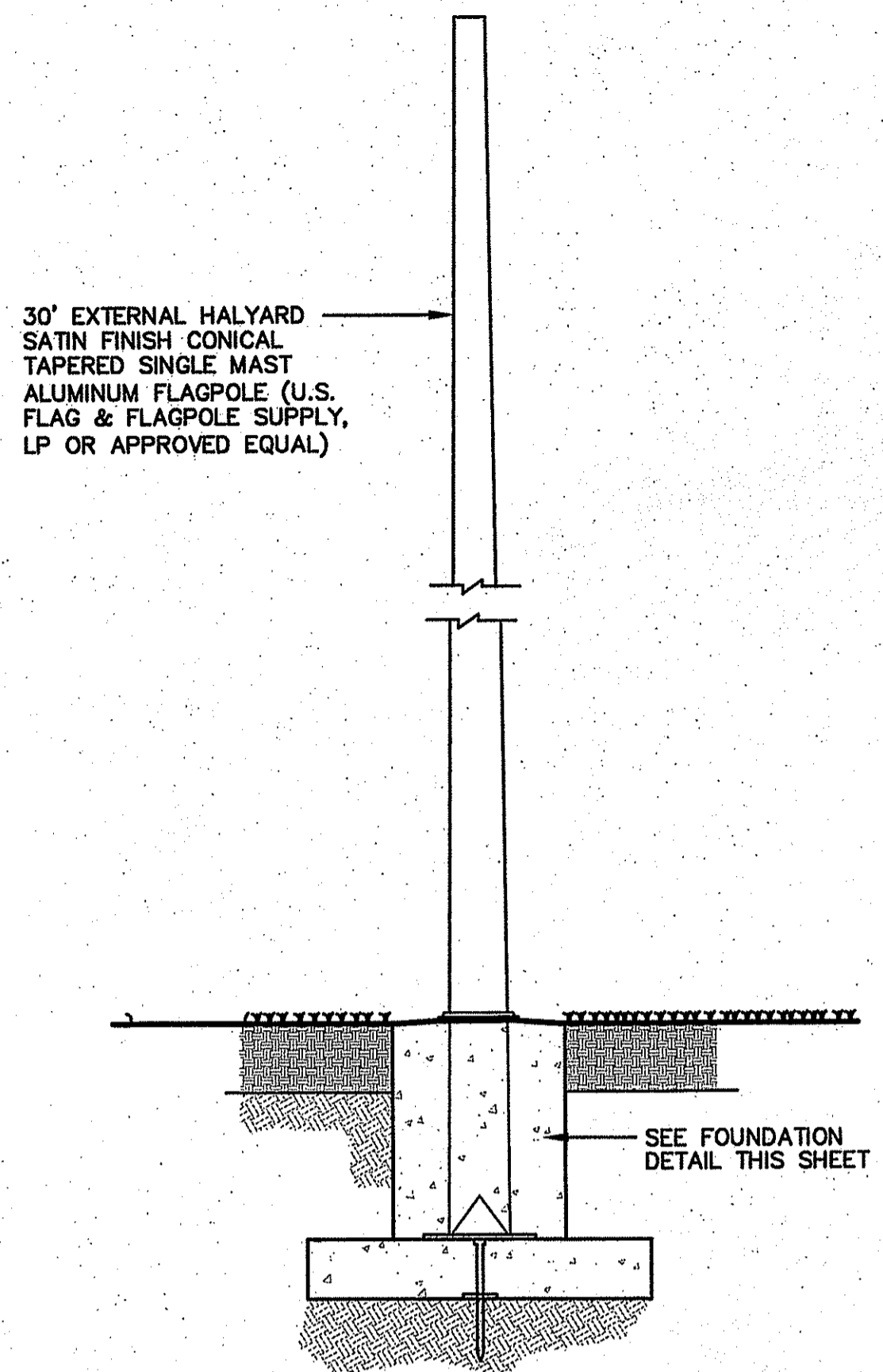


3 DISCUS PAD DETAIL
N.T.S.

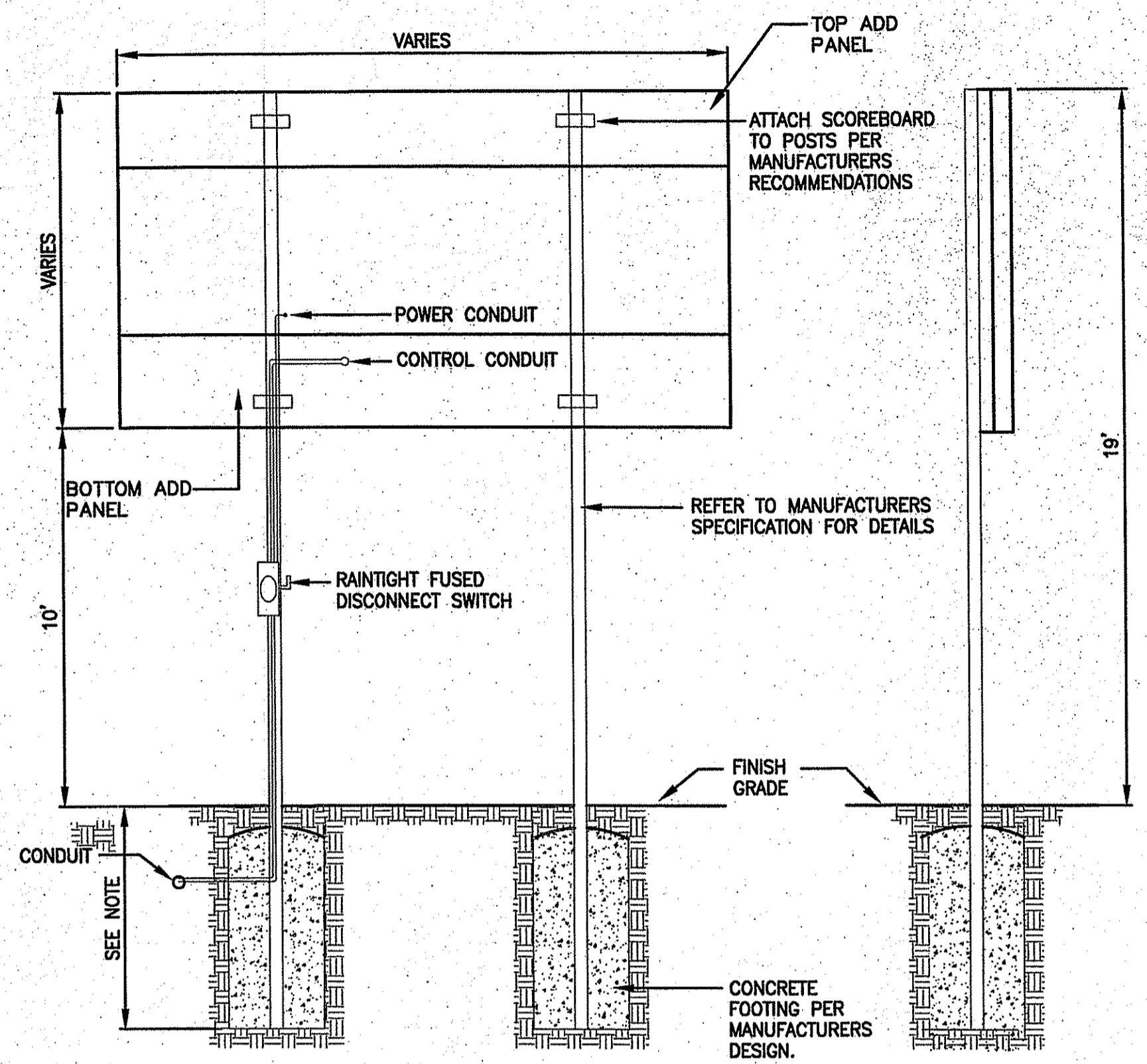


4B POLE VAULT BOX LAYOUT
N.T.S.

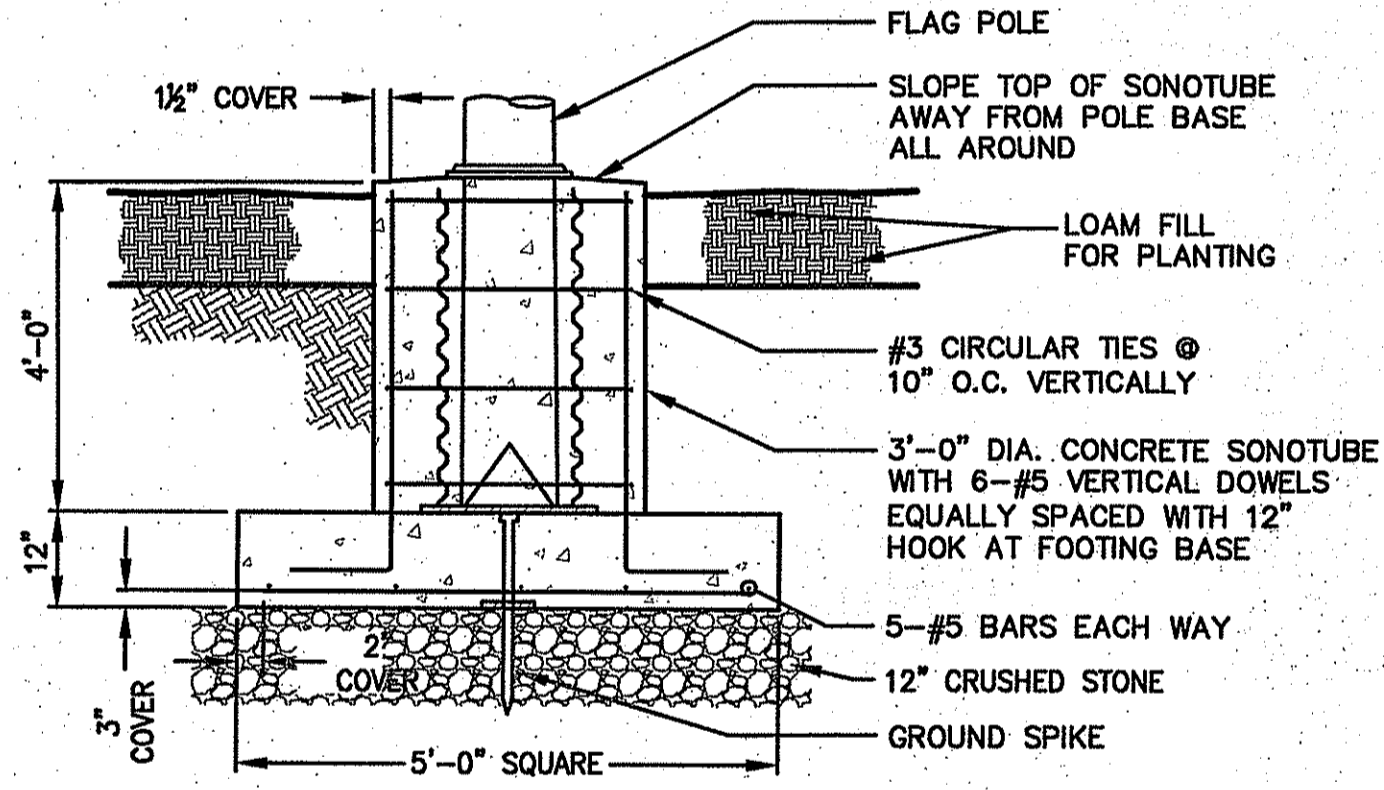
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 16 2015 FILE # 15-0064
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APPROVAL BY ARES MUST BE AT CONSTRUCTION SITE



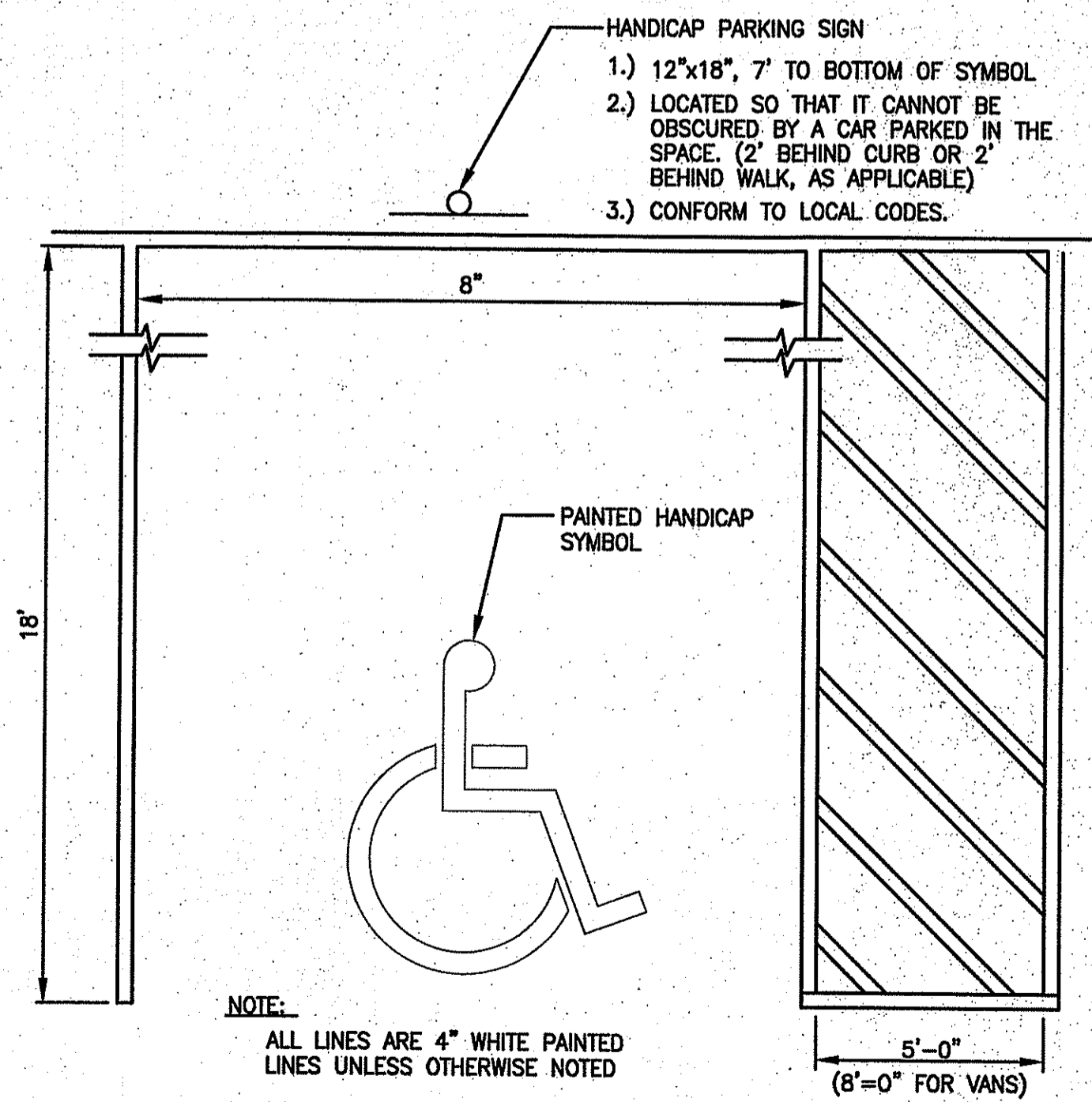
1 FLAG POLE DETAIL
N.T.S.



2 FLAG POLE FOOTING DETAIL
N.T.S.

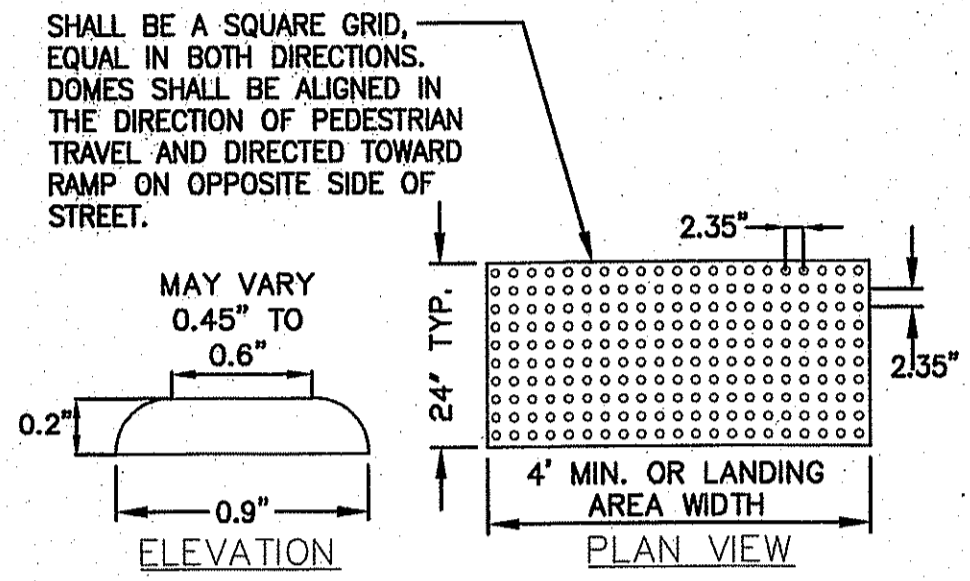


3 SCOREBOARD DETAIL
N.T.S.



4 ACCESSIBLE CURB RAMPS
N.T.S.

- NOTES:**
- SEE PLANS FOR CURB TYPE.
 - THE MAXIMUM ALLOWABLE SIDEWALK AND CURB RAMP CROSS SLOPES SHALL BE 2.0% (1% MIN.)
 - THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMPS SHALL BE 5.0%.
 - THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE CURB RAMPS SHALL BE 7.5%.
 - GRADE BASE OF RAMP TO PREVENT PONDING.
 - ALL RAMPS (INDICATED BY) SHALL BE CEMENT CONCRETE WITH A TEXTURED AND COLORED NON-SLIP SURFACE (WARNING MAT) CONFORMING TO APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. ACCESSIBLE RAMP DETECTABLE WARNING MAT SHALL BE AS MANUFACTURED BY "THE DURABAK COMPANY" 303-690-7190, OR APPROVED EQUAL. THE WARNING MAT SYSTEMS SHALL CONFORM TO ALL RELEVANT PROVISIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS AND THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD REQUIREMENTS, WHICHEVER IS STRICTER. THE SYSTEMS SHALL BE A PERMANENT MAT THAT IS APPLIED AT ACCESSIBLE RAMPS DIRECTLY TO CLEAN DRY CONCRETE SURFACES WITH LONG-LASTING ADHESIVE TO AID THE BLIND AND VISUALLY IMPAIRED. THE MAT SHALL INCORPORATE TRUNCATED DOMES POSITIONED TO ADA SPECIFICATIONS.



5 TACTILE WARNING STRIP
N.T.S.

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6 HANDICAPPED PARKING SPACE
N.T.S.

7 HANDICAP SYMBOL LAYOUT
N.T.S.

8 SIGN POST BOLLARD FOUNDATION
N.T.S.



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PROJECT
**COMMUNITY ATHLETIC COMPLEX
NARRAGANSETT HIGH SCHOOL
245 SOUTH PIER ROAD
NARRAGANSETT, RI 02882**

OWNER
**NARRAGANSETT SCHOOL SYSTEM
25 FIFTH AVENUE
NARRAGANSETT, RI 02882**

REVISIONS		
NO.	DATE	DESCRIPTION

CADD FILE	716800_C501
DESIGNED BY	STB
DRAWN BY	WAH
CHECKED BY	WJS/JMP
DATE	06/24/15
DRAWING SCALE	N.T.S.

SHEET TITLE
DETAIL SHEET

JOHN M. PERRY
REGISTERED PROFESSIONAL ENGINEER
CIVIL
9406
DRAWING NO.
C510
SHEET 24 OF 28
PROJECT NO. 716800

PERMIT SET

Environmental Management
JUN 26 2015
Office of Water Resources

FENCE HEIGHT	END & CORNER POSTS		LINE POSTS	
	NOMINAL HEIGHT	B-1 BAR LENGTH	H-1 HEIGHT ABOVE GRADE	B-2 BAR LENGTH
4'-0"	7'-0"	4'-0 5/8"	6'-8"	3'-8 7/8"
6'-0"	9'-0"	6'-0 5/8"	8'-8"	5'-8 7/8"
8'-0"	11'-0"	8'-0 5/8"	10'-8"	7'-8 7/8"

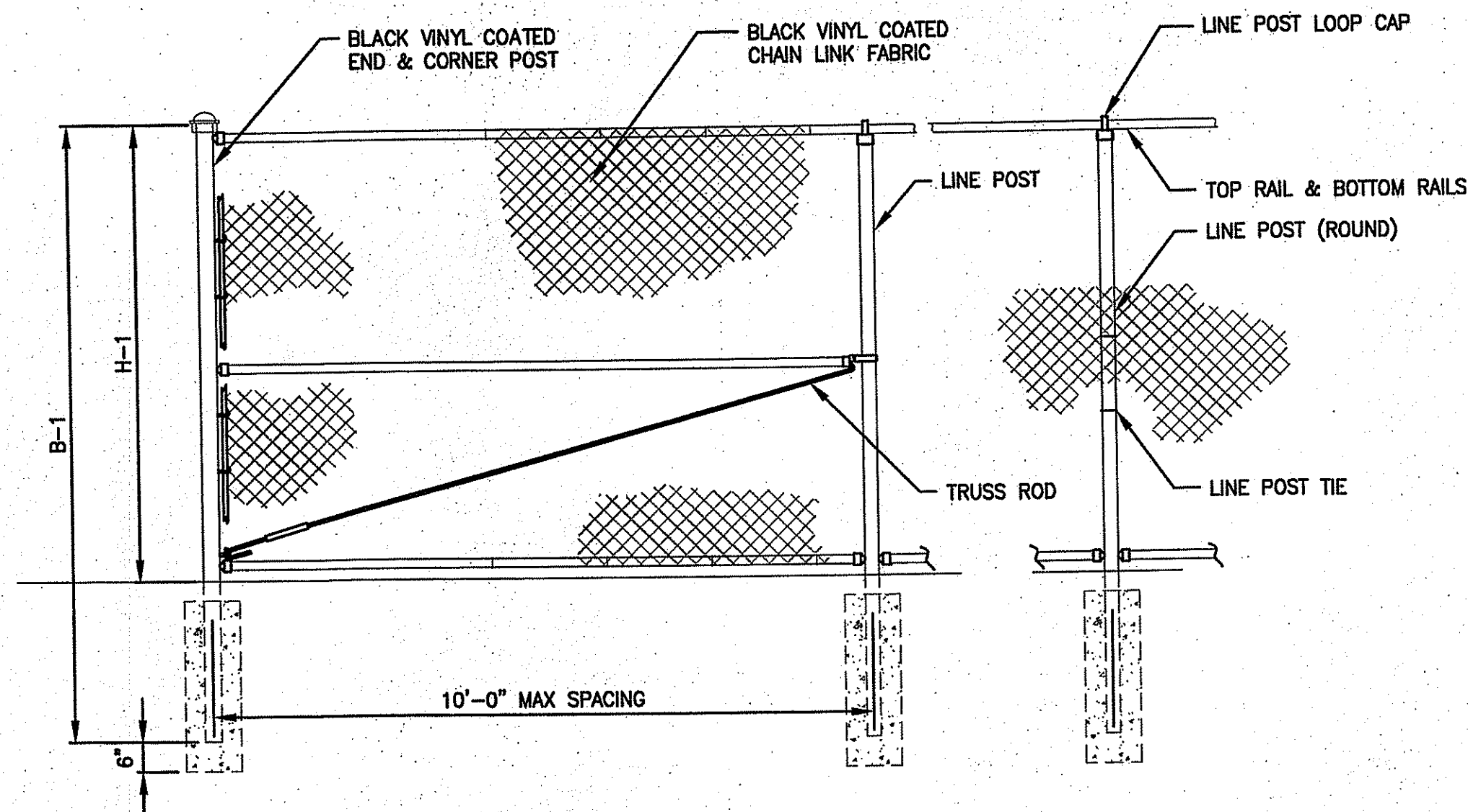
SINGLE OR DOUBLE LEAF GATES		
NOM HEIGHT (H)	UPRIGHT HT (U)	FRAME HT (F)
4'-0"	3'-10"	3'-8 1/2"
6'-0"	5'-10"	5'-8 1/2"
8'-0"	7'-10"	7'-8 1/2"

SINGLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (S)
FACE TO FACE	SQ & RND SIZES	POST TO UPRIGHT
3'-0" THROUGH 6'-0"	2 1/2" OR 3" OD	FOR SQUARE & ROUND GATE POSTS: 2 1/4" [57MM]

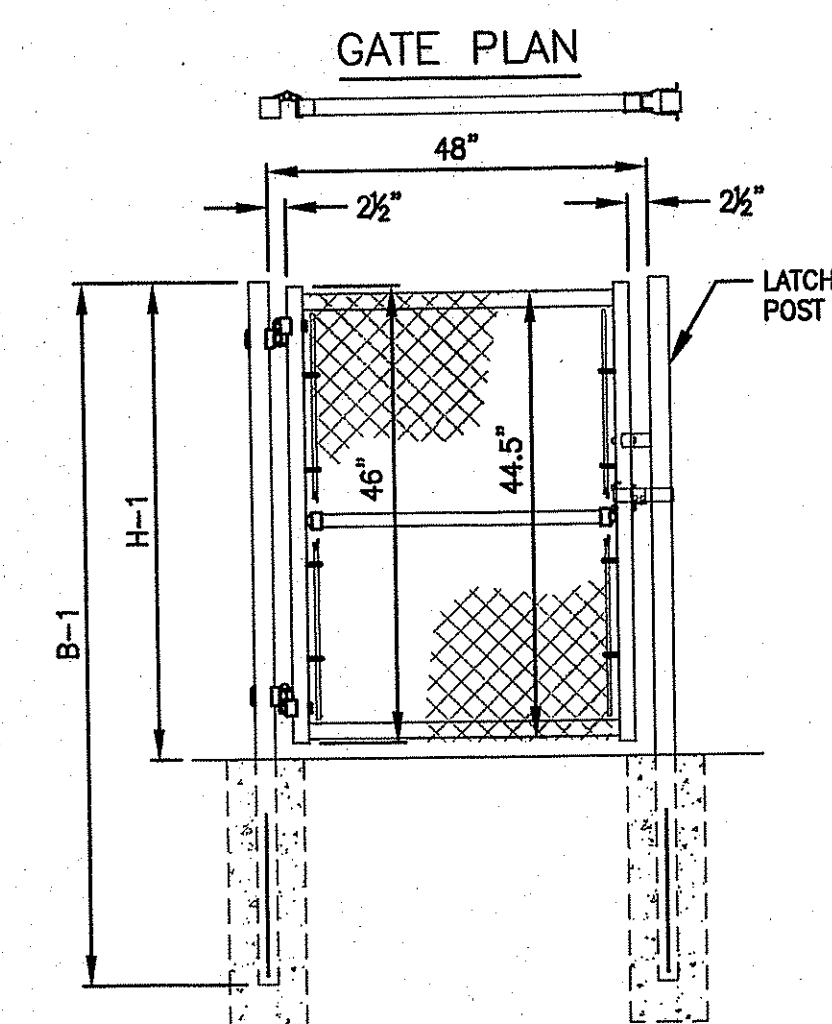
DOUBLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (S)
FACE TO FACE	SQ & RND SIZES	POST TO UPRIGHT
14'-0" THROUGH 24'-0"	3" SQ OR 4" OD	FOR SQUARE & ROUND GATE POSTS: 2 1/4" [57MM]

NOTES:

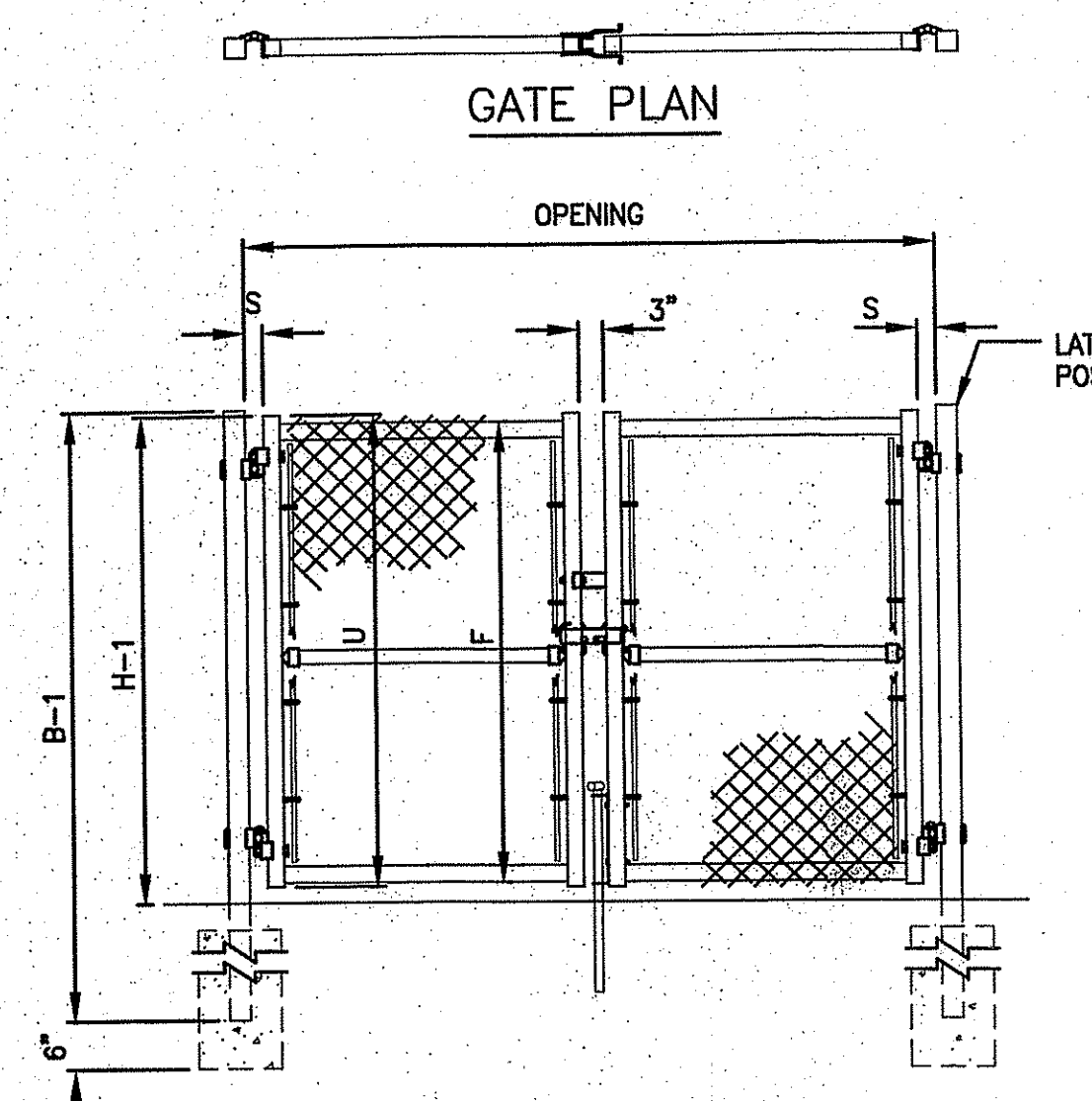
- ALL CHAIN LINK FENCE FABRIC SHALL BE KNUCKLED (TOP AND BOTTOM)
- ALL CHAIN LINK FENCE POSTS, FABRIC, TIES AND MATERIALS SHALL BE BLACK PVC COATED.
- CENTER UPRIGHT REQUIRED ON GATE LEAVES 8'-0" & WIDER. CENTER RAIL REQUIRED ON GATE LEAVE 6'-0" & HIGHER.
- CONCRETE FOOTINGS SHALL BE FOUR (4) x THE POST DIAMETER, OR AS DESIGNATED ON INDIVIDUAL DETAILS.
- FENCE CAP SHALL ON BASEBALL OUTFIELD FENCE SHALL BE PROVIDED FROM FOUL POLE TO FOUL POLE.
- ALL CHAIN LINK FABRIC SHALL BE INSTALLED ON THE FIELD SIDE OF THE FENCE.



2 CHAIN LINK FENCE
N.T.S.



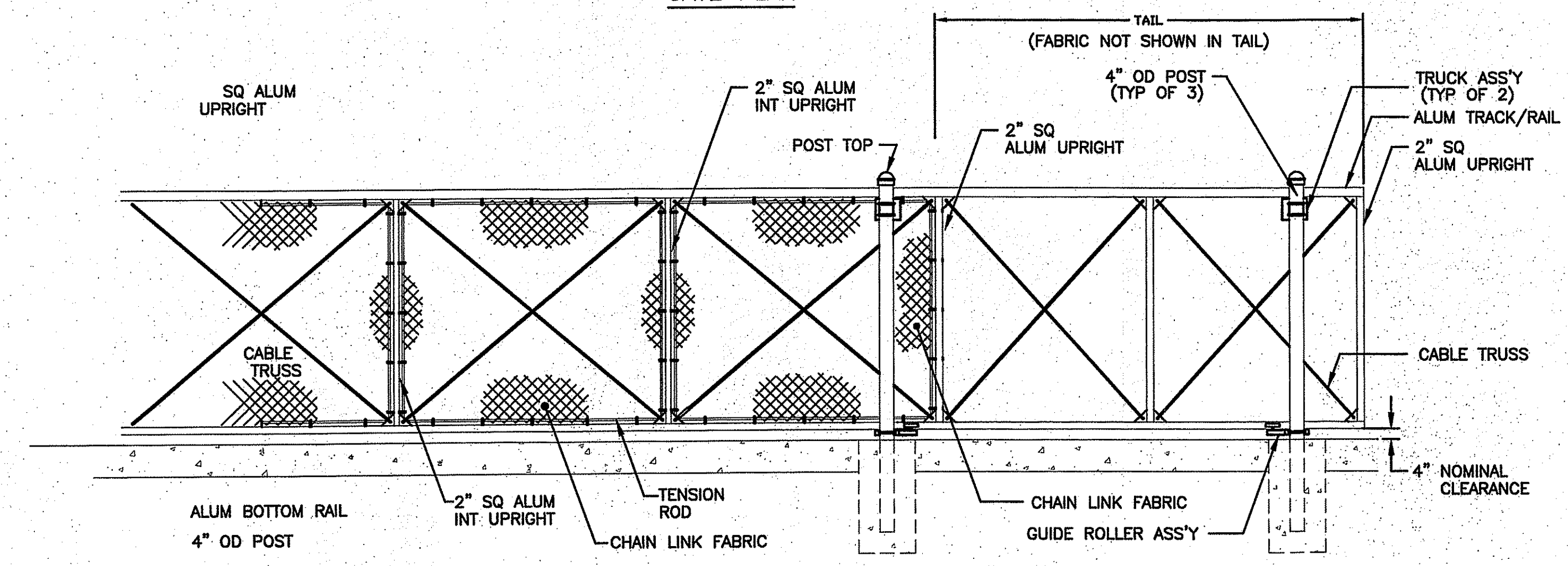
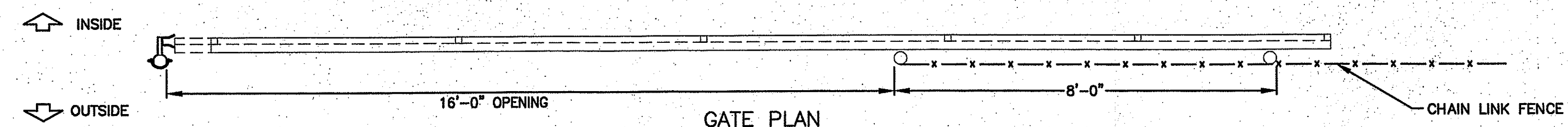
3 4' WIDE SINGLE LEAF GATE DETAIL
N.T.S.



4 DOUBLE GATE DETAIL
N.T.S.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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1 CHAIN LINK FENCE AND GATE NOTES
N.T.S.

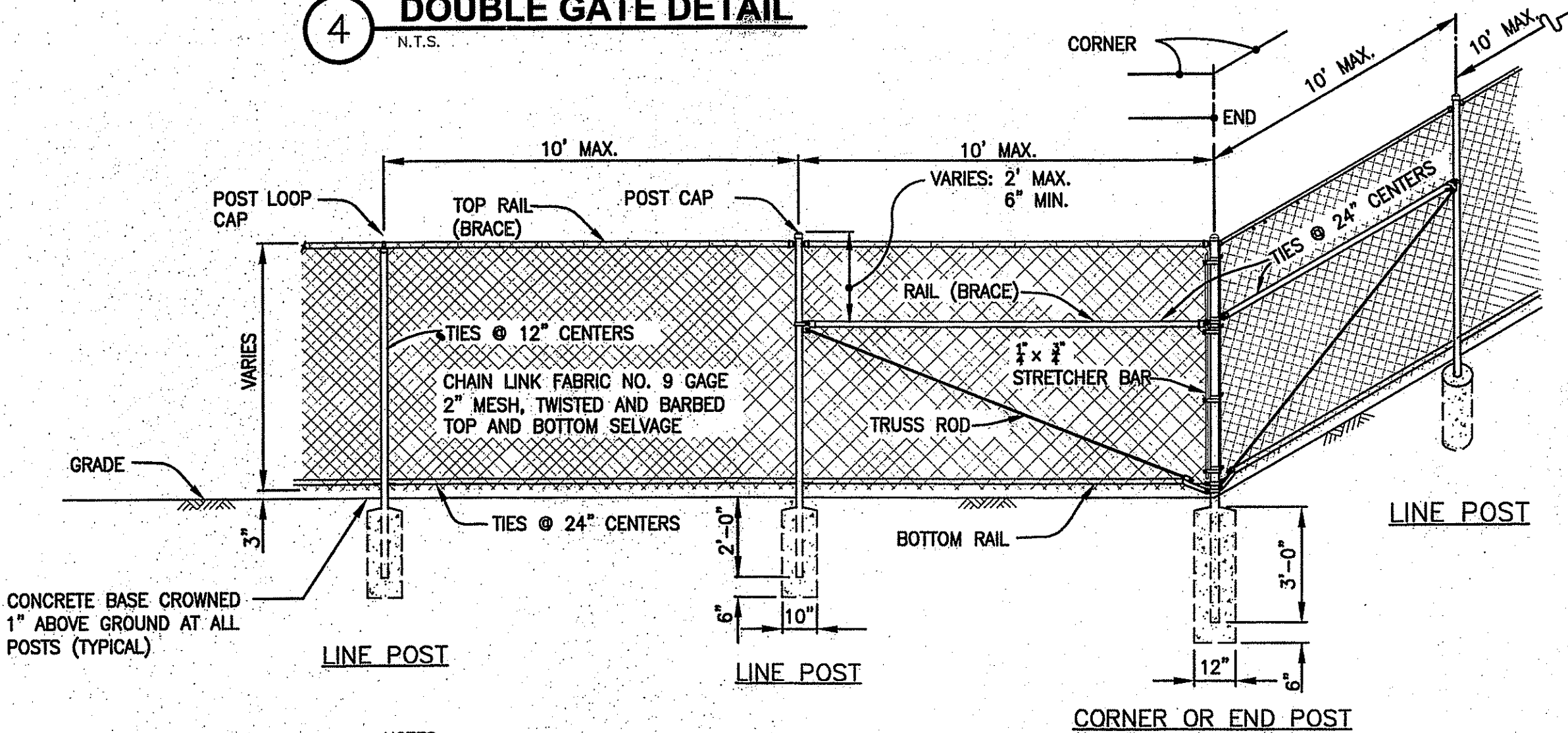


- NOTES:
- FOOTING WIDTH TO BE (4) X POST WIDTH. MIN DEPTH TO BE 36".
 - ALL FENCING TO BE BLACK VINYL COATED.

NOM HEIGHT (H)
4'-0"

OPENING
6'-0" THROUGH 30'-0"

5 CANTILEVER SLIDING GATE ELEVATION
N.T.S.



- NOTES:
- ALL CHAIN LINK FENCE FABRIC SHALL BE KNUCKLED (TOP AND BOTTOM)
 - ALL CHAIN LINK FENCE POSTS, FABRIC, TIES AND MATERIALS SHALL BE BLACK PVC COATED.
 - CONCRETE FOOTINGS SHALL BE FOUR (4) x THE POST DIAMETER, OR AS DESIGNATED ON INDIVIDUAL DETAILS.
 - HOLD TOP OF CONCRETED FOOTING 6" BELOW GRADE

6 CHAIN LINK FENCE CORNER DETAIL
N.T.S.

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COMMUNITY ATHLETIC COMPLEX
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REVISIONS	
NO.	DESCRIPTION

CADD FILE	716800_C501
DESIGNED BY	STB
DRAWN BY	WAH
CHECKED BY	WJS/JMP
DATE	06/24/15
DRAWING SCALE	N.T.S.

GRAPHIC SCALE

SHEET TITLE
DETAIL SHEET

JOHN M. PERRY
0-24-15
No. 940
REGISTERED PROFESSIONAL ENGINEER
CIVIL
DRAWING NO. C511
SHEET 25 OF 28
PROJECT NO. 716800

PERMIT SET

Environmental Management
JUN 26 2015
City of Weymouth

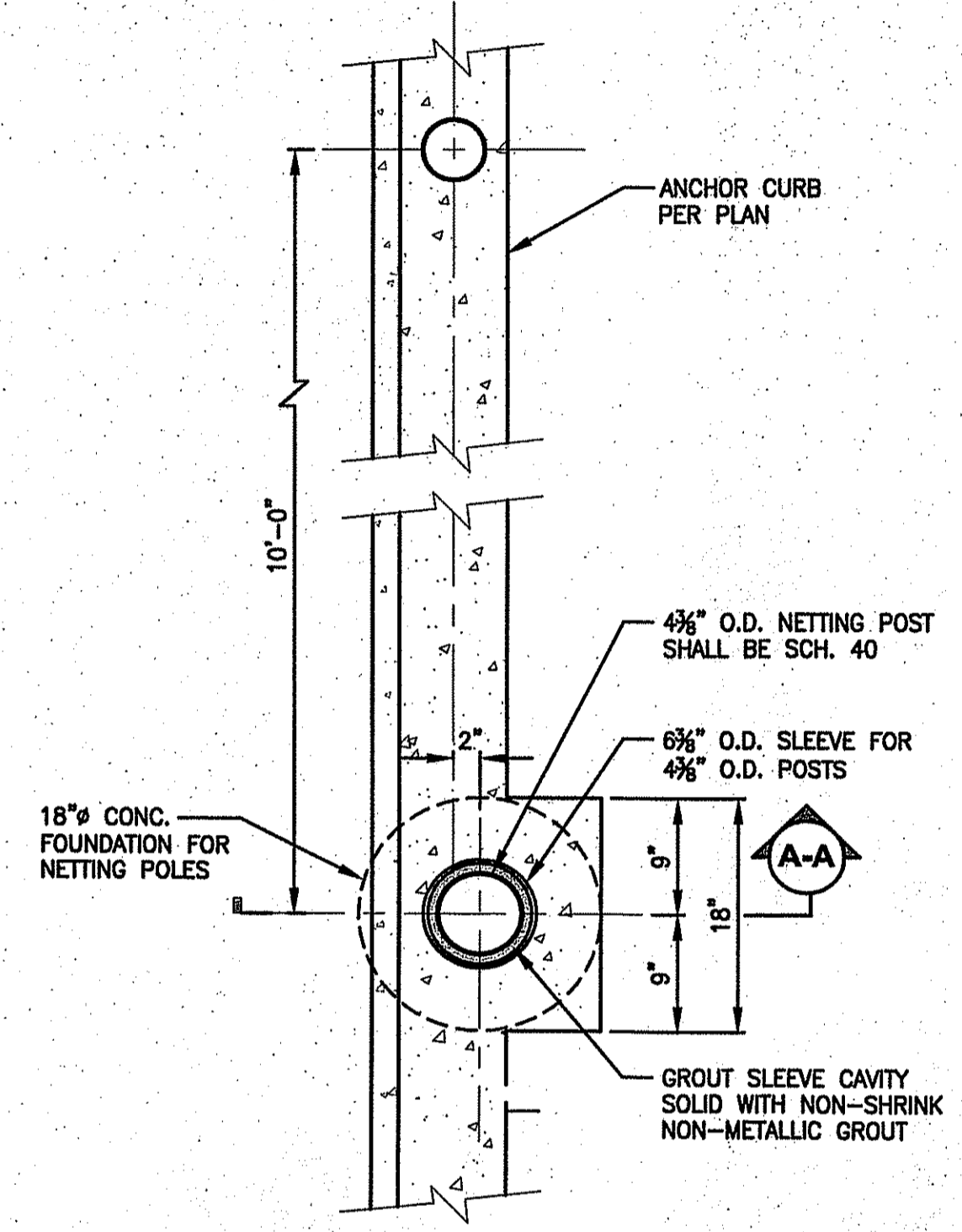


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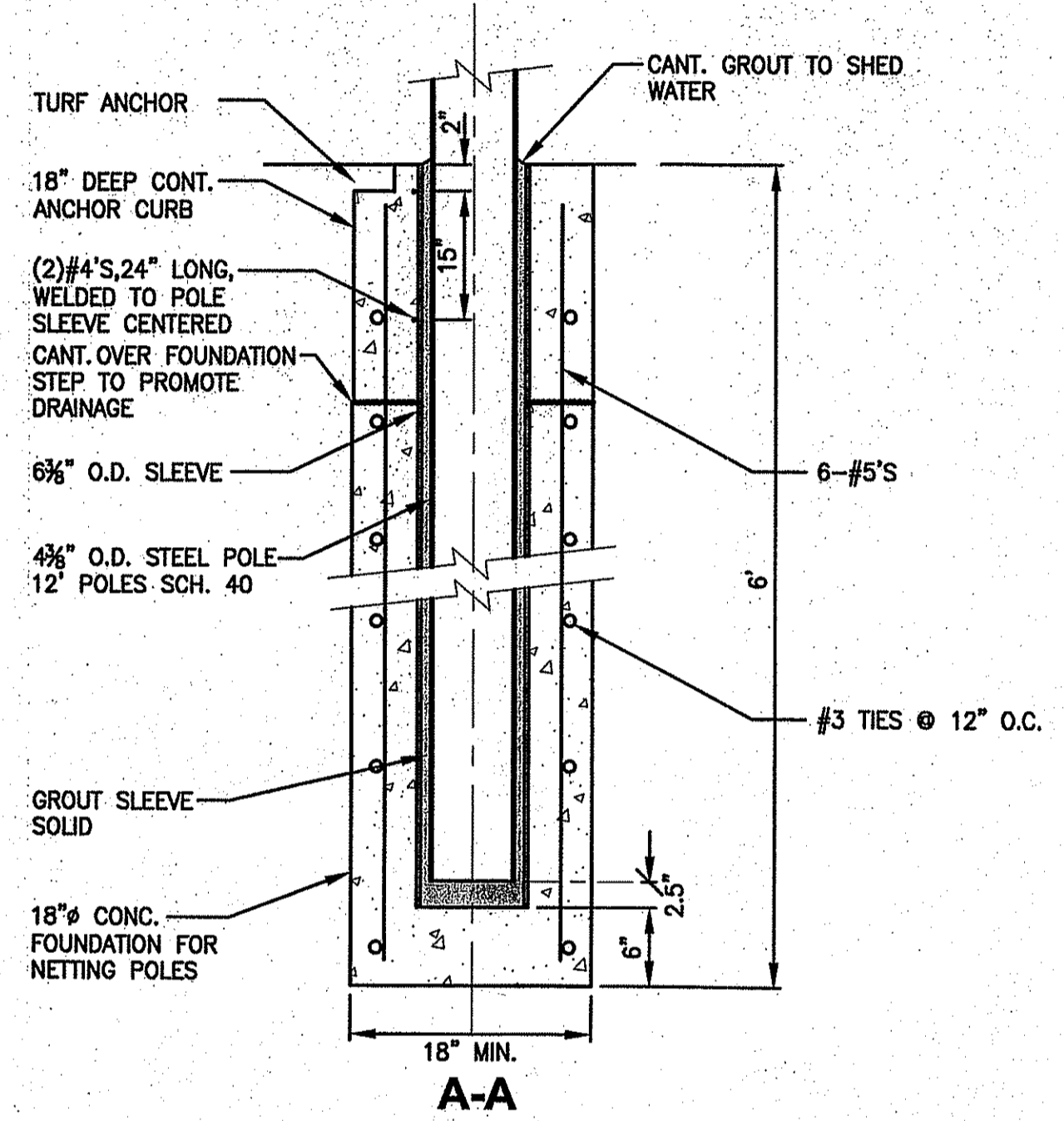
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PROJECT
 COMMUNITY ATHLETIC COMPLEX
 NARRAGANSETT HIGH SCHOOL
 245 SOUTH PIER ROAD
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 NARRAGANSETT, RI 02882



SAFETY NETTING POST FOUNDATION DETAIL
 N.T.S.



SECTION AT SAFETY NETTING SYSTEM FOUNDATION
 N.T.S.
 PLACE FOUNDATION AND SLEEVES WITH CAP EVERY 20' O.C.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Environmental Management
 JUN 26 2015
 Office of Water Resources

REVISIONS		
NO.	DATE	DESCRIPTION

CADD FILE	716800_C501
DESIGNED BY	STB
DRAWN BY	WAH
CHECKED BY	WUS/MP
DATE	06/24/15
DRAWING SCALE	N.T.S.

GRAPHIC SCALE

SHEET TITLE
 DETAIL SHEET

JOHN M. PERRY
 No. 9406
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

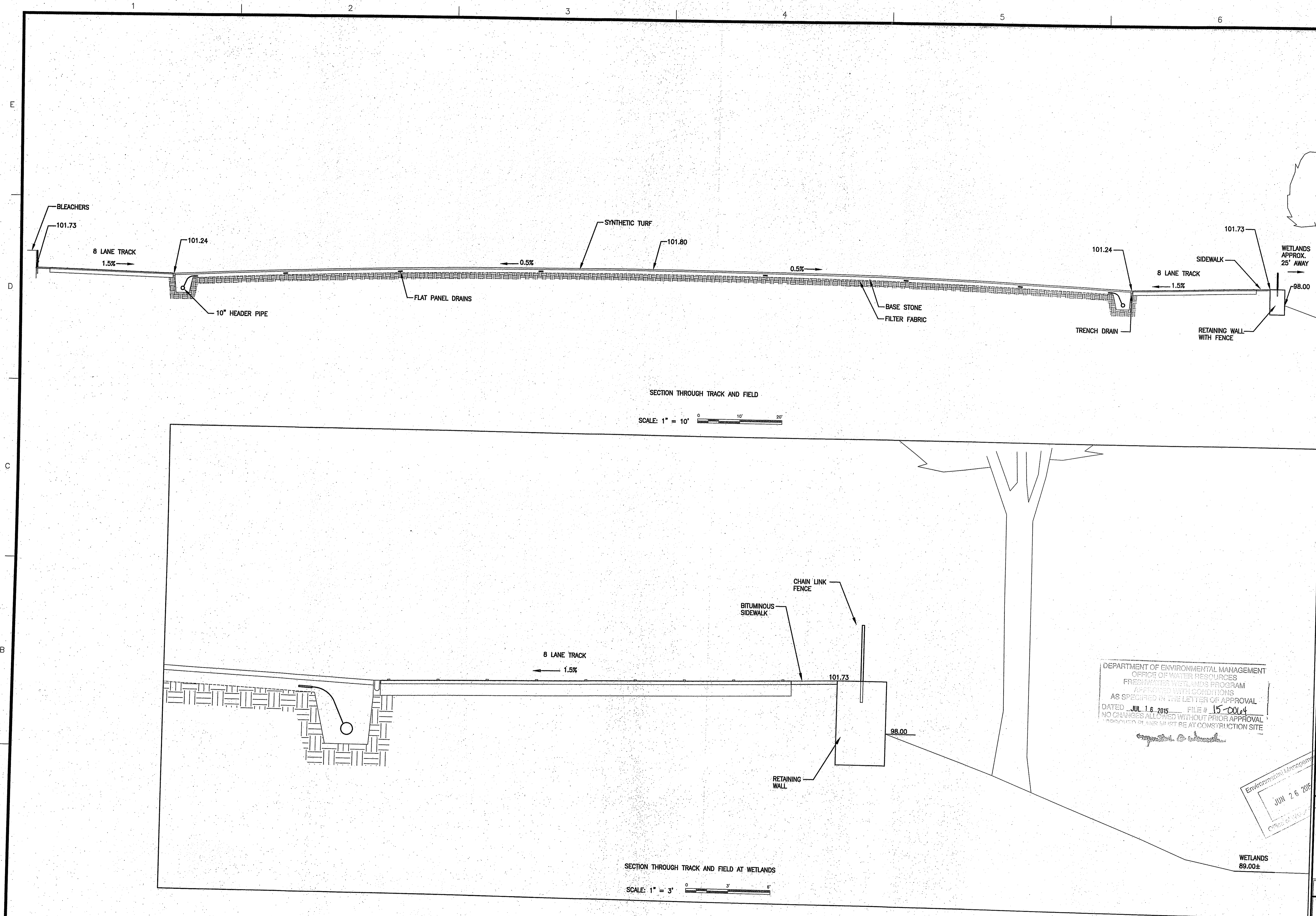
DRAWING NO.
 C513
 SHEET 27 OF 28
 PROJECT NO. 716800

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SECTION THROUGH TRACK AND FIELD
 SCALE: 1" = 10'

SECTION THROUGH TRACK AND FIELD AT WETLANDS
 SCALE: 1" = 3'

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 OFFICE OF WATER RESOURCES
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Environmental & Regulatory
 JUN 26 2015
 Office of Water Resources

PROJECT
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 NARRAGANSETT, RI 02882

OWNER
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 25 FIFTH AVENUE
 NARRAGANSETT, RI 02882

REVISIONS		
NO.	DATE	DESCRIPTION

CADD FILE	716800_C101
DESIGNED BY	LAB
DRAWN BY	HAM
CHECKED BY	WJS/JMP
DATE	06/24/15
DRAWING SCALE	AS NOTED

GRAPHIC SCALE

SHEET TITLE
SECTION THROUGH TRACK AND FIELD

JOHN M. PERRY
 JUN 24 2015
 REGISTERED PROFESSIONAL ENGINEER CIVIL

DRAWING NO.
 No. 9406
SEC

SHEET 28 OF 28
 PROJECT NO. 716800

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