

JOHN P. CRONIN FIELD ATHLETIC FIELD RENOVATION PROJECT LA SALLE ACADEMY PROVIDENCE, RHODE ISLAND 02908 ASSESSOR'S PLAT 83, LOT # 11 RIDEM FILE NO. 11-0005

PREPARED FOR:

LA SALLE ACADEMY
612 ACADEMY AVE.
PROVIDENCE, RI 02908

ENGINEER:

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

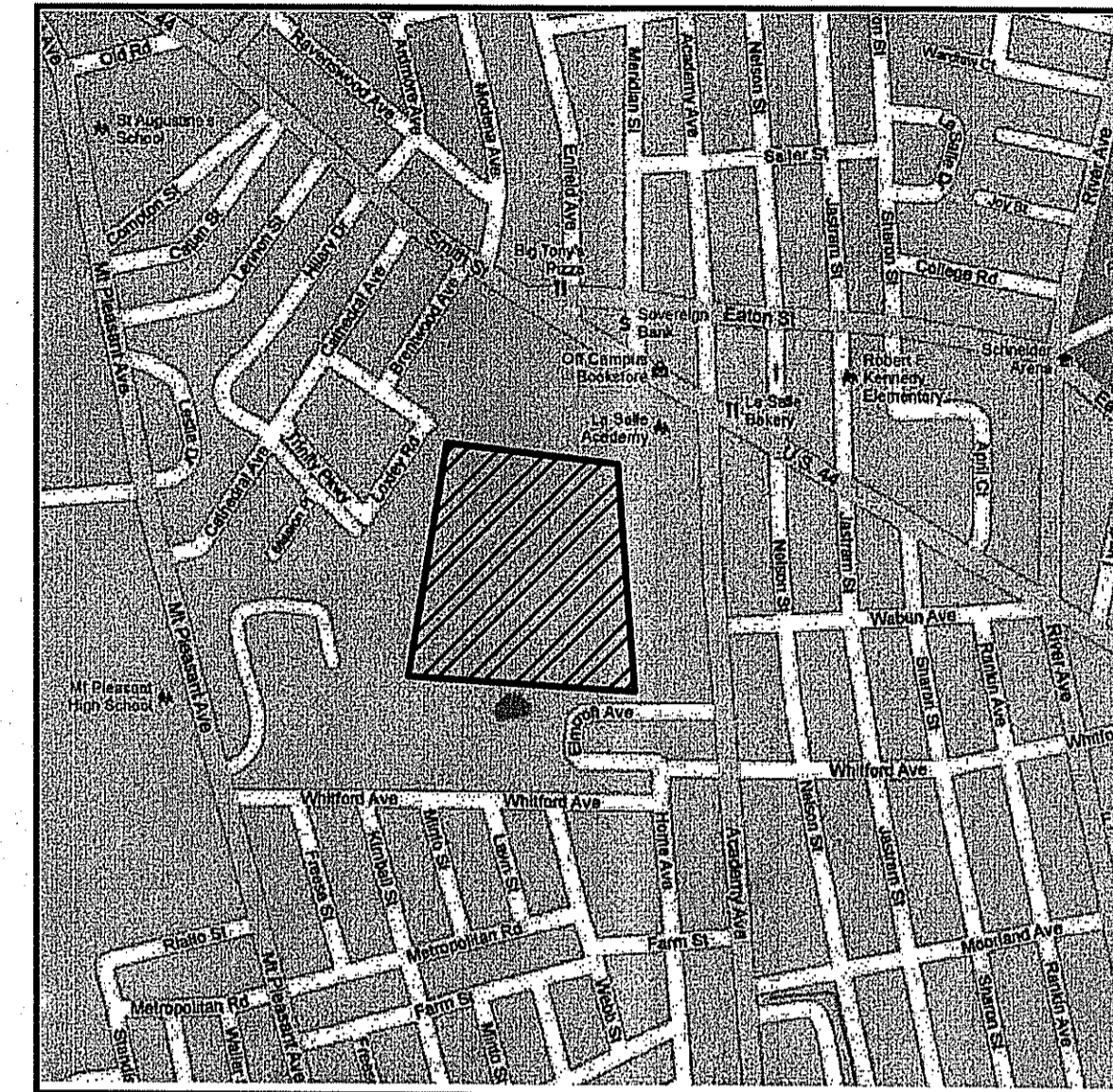
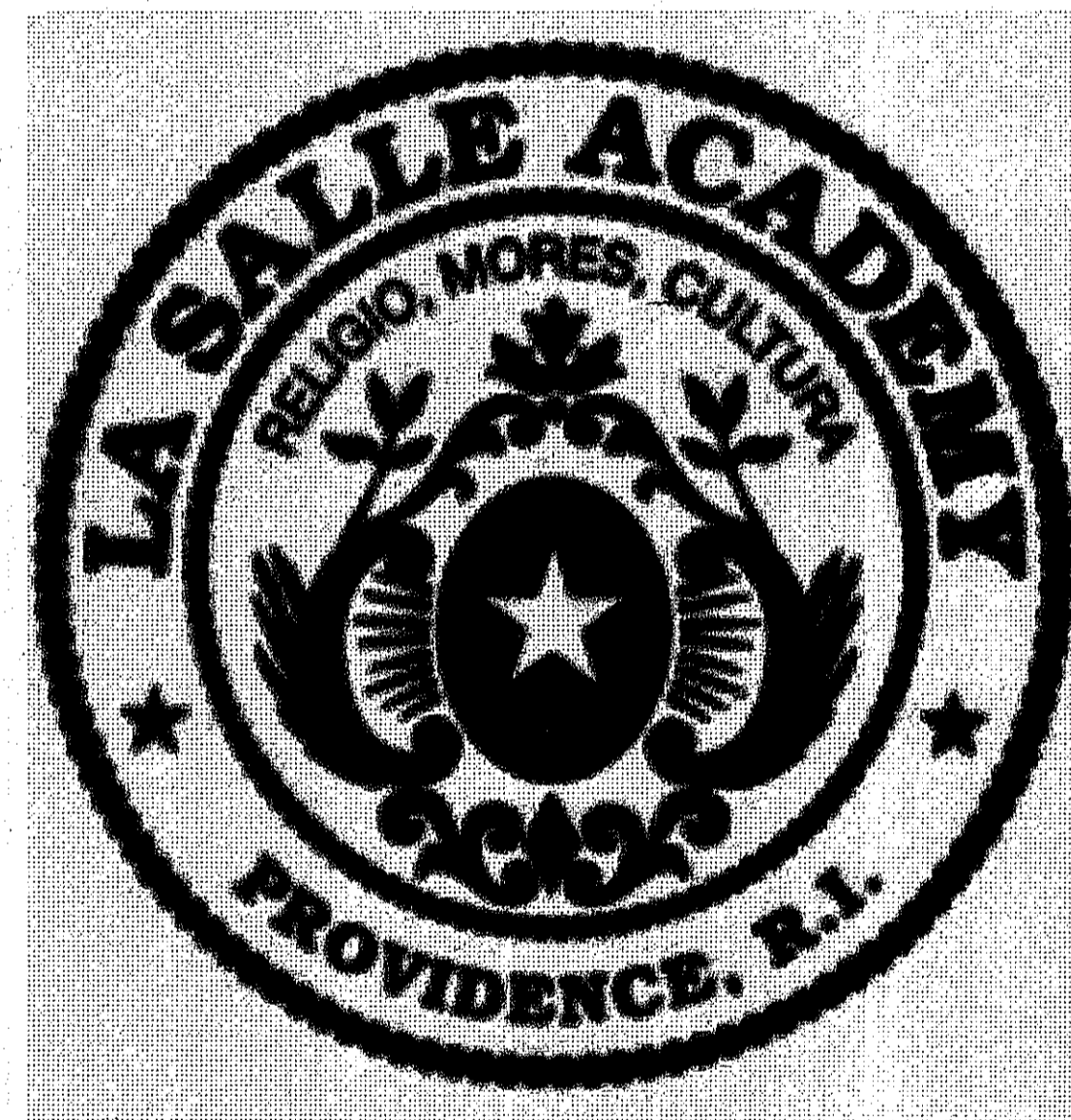
CONSULTANTS:

SURVEYOR:

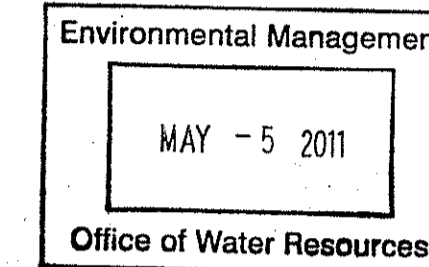
ROMANELLI ASSOCIATES, INC.
PROFESSIONAL LAND SURVEYORS
4480 ACUSHNET AVENUE
NEW BEDFORD, MA 02745
P: 508-995-0100

GEOTECHNICAL ENGINEER:

MCCARDLE GANNON ASSOCIATES, INC.
1125 MAIN STREET
HANOVER, MA 02339
P: 781-982-2881



LOCATION MAP
N.T.S.

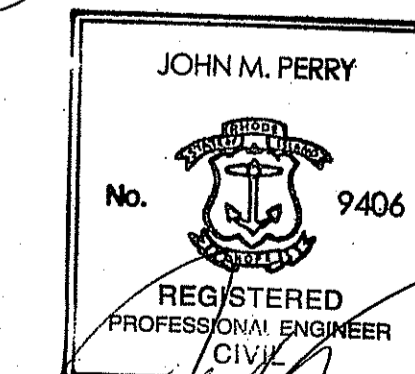


DRAWING NUMBER	DRAWING DESCRIPTION
CIVIL	
C-1	COVER SHEET
C-2	EXISTING CONDITIONS PLAN
C-3	DEMOLITION AND EROSION CONTROL PLAN
C-4	LAYOUT AND MATERIALS PLAN
C-5	GRADING PLAN
C-6	DRAINAGE PLAN
C-7	DETAIL SHEET 1 OF 8
C-8	DETAIL SHEET 2 OF 8
C-9	DETAIL SHEET 3 OF 8
C-10	DETAIL SHEET 4 OF 8
C-11	DETAIL SHEET 5 OF 8
C-12	DETAIL SHEET 6 OF 8
C-13	DETAIL SHEET 7 OF 8
C-14	DETAIL SHEET 8 OF 8
LANDSCAPE	
L-1	PLANTING PLAN

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

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY - 6 2011 FILE # 11-0005
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

W. Joseph Conroy



PERMIT SET



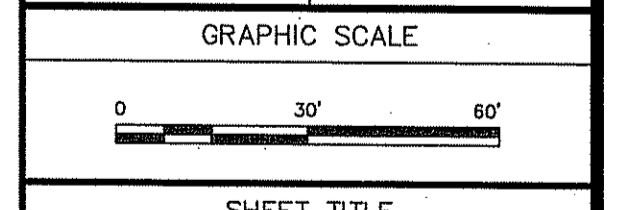
Gale Associates, Inc.
Engineers and Planners
163 LIBBEY PARKWAY | WEYMOUTH, MA 02189
P 781.335.6465 F 781.335.6467
www.galno.com
Boston Baltimore Orlando San Francisco

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PROJECT: JOHN P. CRONIN FIELDS ATHLETIC FIELD RENOVATION PROJECT
CLIENT: LA SALLE ACADEMY 612 ACADEMY AVE. PROVIDENCE, RI 02908

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/31/11	RIDEM COMMENTS
2	5/3/11	APPROVAL SET

CADD FILE	714400_C1
DESIGNED BY	PS/NAC
DRAWN BY	WAH
CHECKED BY	JMP
DATE	JANUARY 14, 2011
DRAWING SCALE	1"=30'-0"



SHEET TITLE
COVER SHEET

DRAWING NO.
C-1
1 of 15
PROJECT NO. 714400



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PROJECT
**JOHN P. CRONIN FIELDS
 ATHLETIC FIELD RENOVATION PROJECT
 LA SALLE ACADEMY
 PROVIDENCE, RHODE ISLAND**

CLIENT
 LA SALLE ACADEMY
 612 ACADEMY AVE
 PROVIDENCE, RI 02908

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/31/11	RIDEM COMMENTS
2	5/3/11	APPROVAL SET

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DESIGNED BY	WAH
DRAWN BY	WAH
CHECKED BY	JMP
DATE	JANUARY 14, 2011
DRAWING SCALE	1"=30'-0"

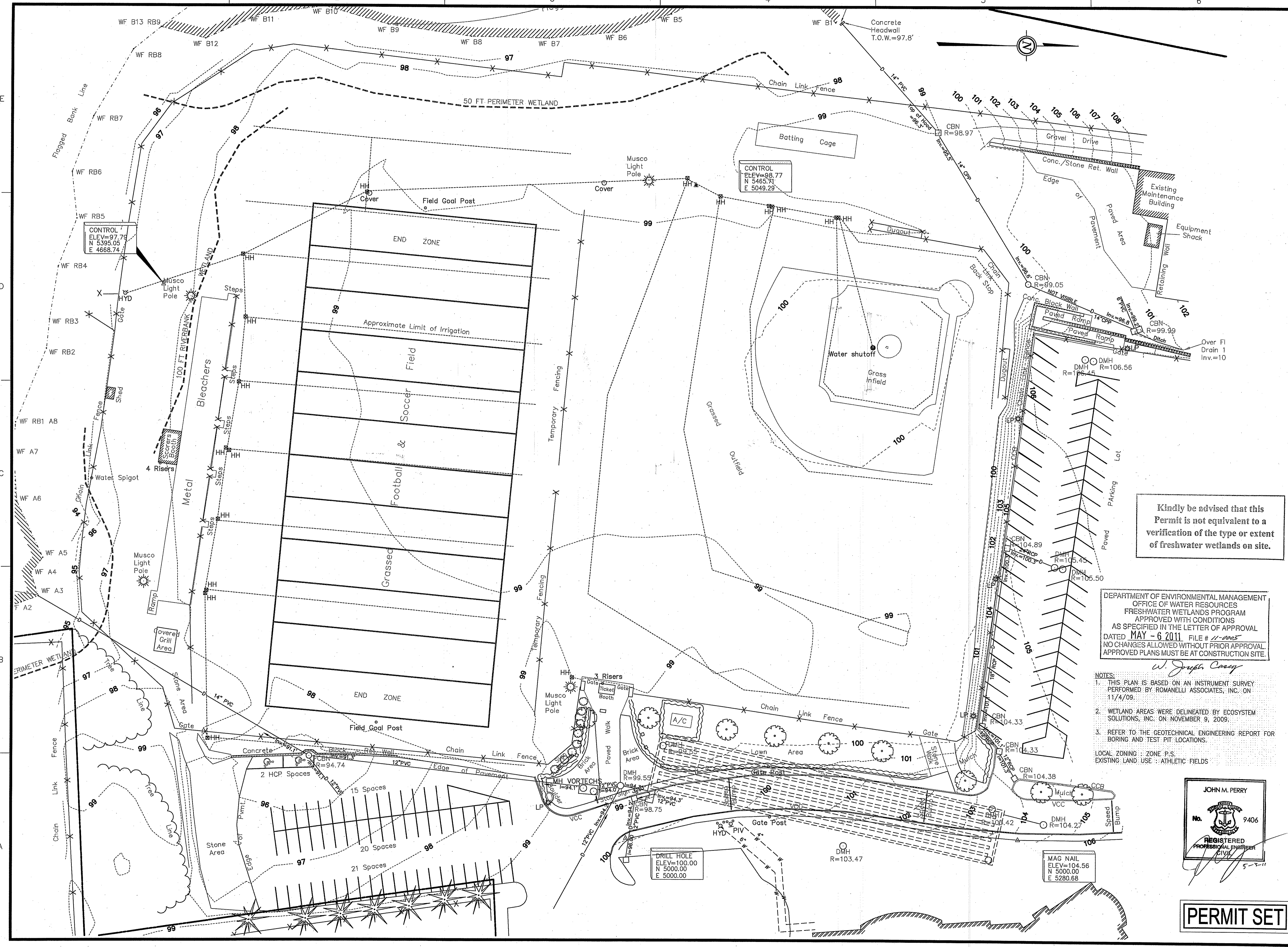
GRAPHIC SCALE
 0 30' 60'

SHEET TITLE

EXISTING CONDITIONS
 Environmental Management Plan

MAY - 5 2011
 Office of Water Resources

DRAWING NO.
C-2
 2 of 15
 PROJECT NO. 714400



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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
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NOTES:
 1. THIS PLAN IS BASED ON AN INSTRUMENT SURVEY PERFORMED BY ROMANELLI ASSOCIATES, INC. ON 11/4/09.
 2. WETLAND AREAS WERE DELINEATED BY ECOSYSTEM SOLUTIONS, INC. ON NOVEMBER 9, 2009.
 3. REFER TO THE GEOTECHNICAL ENGINEERING REPORT FOR BORING AND TEST PIT LOCATIONS.
 LOCAL ZONING : ZONE P.S.
 EXISTING LAND USE : ATHLETIC FIELDS

JOHN M. PERRY
 No. 9406
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 5-5-11

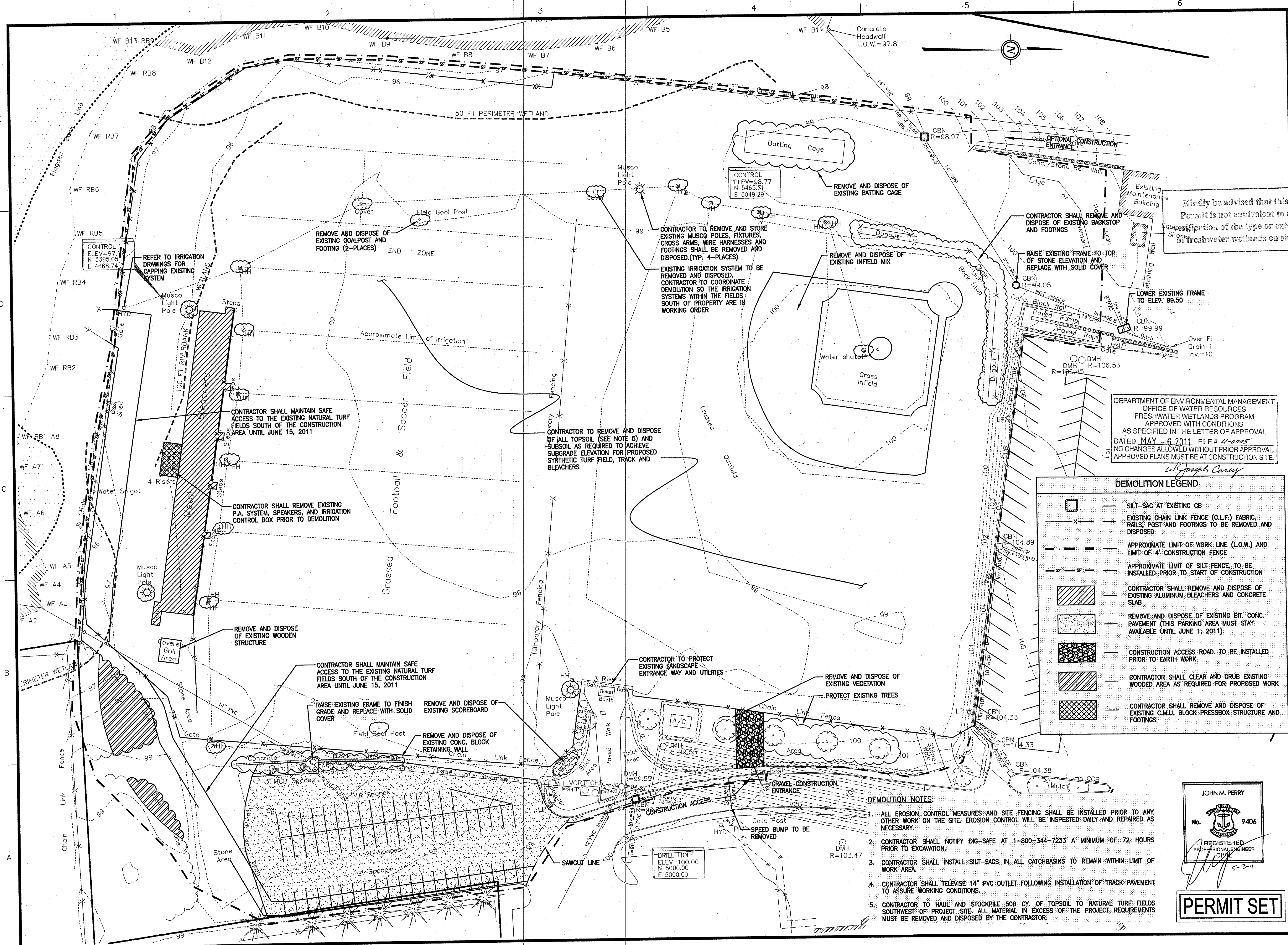
PERMIT SET

CONTROL
 ELEV=97.79
 N 5395.05
 E 4688.74

CONTROL
 ELEV=98.77
 N 5465.71
 E 5049.29

DRILL HOLE
 ELEV=100.00
 N 5000.00
 E 5000.00

MAG NAIL
 ELEV=104.56
 N 5000.00
 E 5280.68



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W. Joseph Conroy

DEMOLITION LEGEND

	SILT-SAC AT EXISTING CB
	EXISTING CHAIN LINK FENCE (C.L.F.) FABRIC, RAILS, POST AND FOOTINGS TO BE REMOVED AND DISPOSED
	APPROXIMATE LIMIT OF WORK LINE (L.O.W.) AND LIMIT OF 4' CONSTRUCTION FENCE
	APPROXIMATE LIMIT OF SILT FENCE TO BE INSTALLED PRIOR TO START OF CONSTRUCTION
	CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING ALUMINUM BLEACHERS AND CONCRETE SLAB
	REMOVE AND DISPOSE OF EXISTING BIT. CONC. PAVEMENT (THIS PARKING AREA MUST STAY AVAILABLE UNTIL JUNE 1, 2011)
	CONSTRUCTION ACCESS ROAD TO BE INSTALLED PRIOR TO EARTH WORK
	CONTRACTOR SHALL CLEAR AND GRUB EXISTING WOODED AREA AS REQUIRED FOR PROPOSED WORK
	CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING C.M.U. BLOCK PRESSBOX STRUCTURE AND FOOTINGS

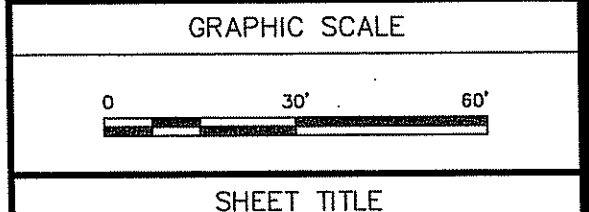
- DEMOLITION NOTES:**
- ALL EROSION CONTROL MEASURES AND SITE FENCING SHALL BE INSTALLED PRIOR TO ANY OTHER WORK ON THE SITE. EROSION CONTROL WILL BE INSPECTED DAILY AND REPAIRED AS NECESSARY.
 - CONTRACTOR SHALL NOTIFY DIG-SAFE AT 1-800-344-7233 A MINIMUM OF 72 HOURS PRIOR TO EXCAVATION.
 - CONTRACTOR SHALL INSTALL SILT-SACS IN ALL CATCHBASINS TO REMAIN WITHIN LIMIT OF WORK AREA.
 - CONTRACTOR SHALL TELEWISE 14" PVC OUTLET FOLLOWING INSTALLATION OF TRACK PAVEMENT TO ASSURE WORKING CONDITIONS.
 - CONTRACTOR TO HAUL AND STOCKPILE 500 CY. OF TOPSOIL TO NATURAL TURF FIELDS SOUTHWEST OF PROJECT SITE. ALL MATERIAL IN EXCESS OF THE PROJECT REQUIREMENTS MUST BE REMOVED AND DISPOSED BY THE CONTRACTOR.

PROJECT: JOHN P. CRONIN FIELDS ATHLETIC FIELD RENOVATION PROJECT
 CLIENT: LA SALLE ACADEMY 612 ACADEMY AVE. PROVIDENCE, RI 02908

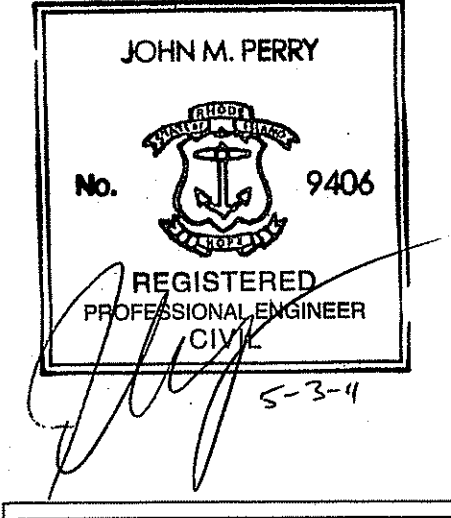
REVISIONS

NO.	DATE	DESCRIPTION
1	3/31/11	RIDEM COMMENTS
2	5/3/11	APPROVAL SET

CADD FILE	714400C3
DESIGNED BY	PS/NAC
DRAWN BY	WAH
CHECKED BY	JMP
DATE	JANUARY 14, 2011
DRAWING SCALE	1"=30'-0"



SHEET TITLE
DEMOLITION AND EROSION CONTROL PLAN

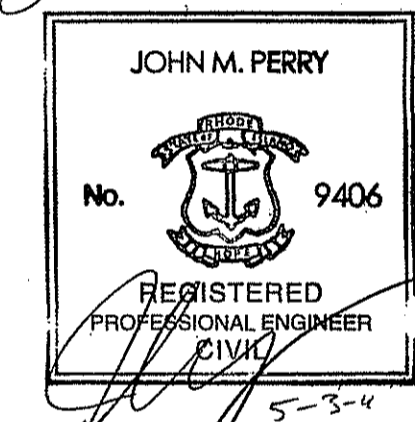


PERMIT SET

Environmental Management	DRAWING NO.
MAY - 5 2011	C-3
Office of Water Resources	3 of 15
	PROJECT NO. 714400

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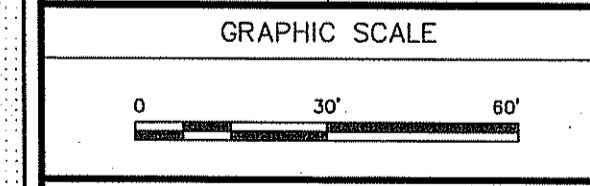
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
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 612 ACADEMY AVE. PROVIDENCE, RI 02908

REVISIONS	
NO.	DESCRIPTION
1	3/31/11 RIDEM COMMENTS
2	5/3/11 APPROVAL SET

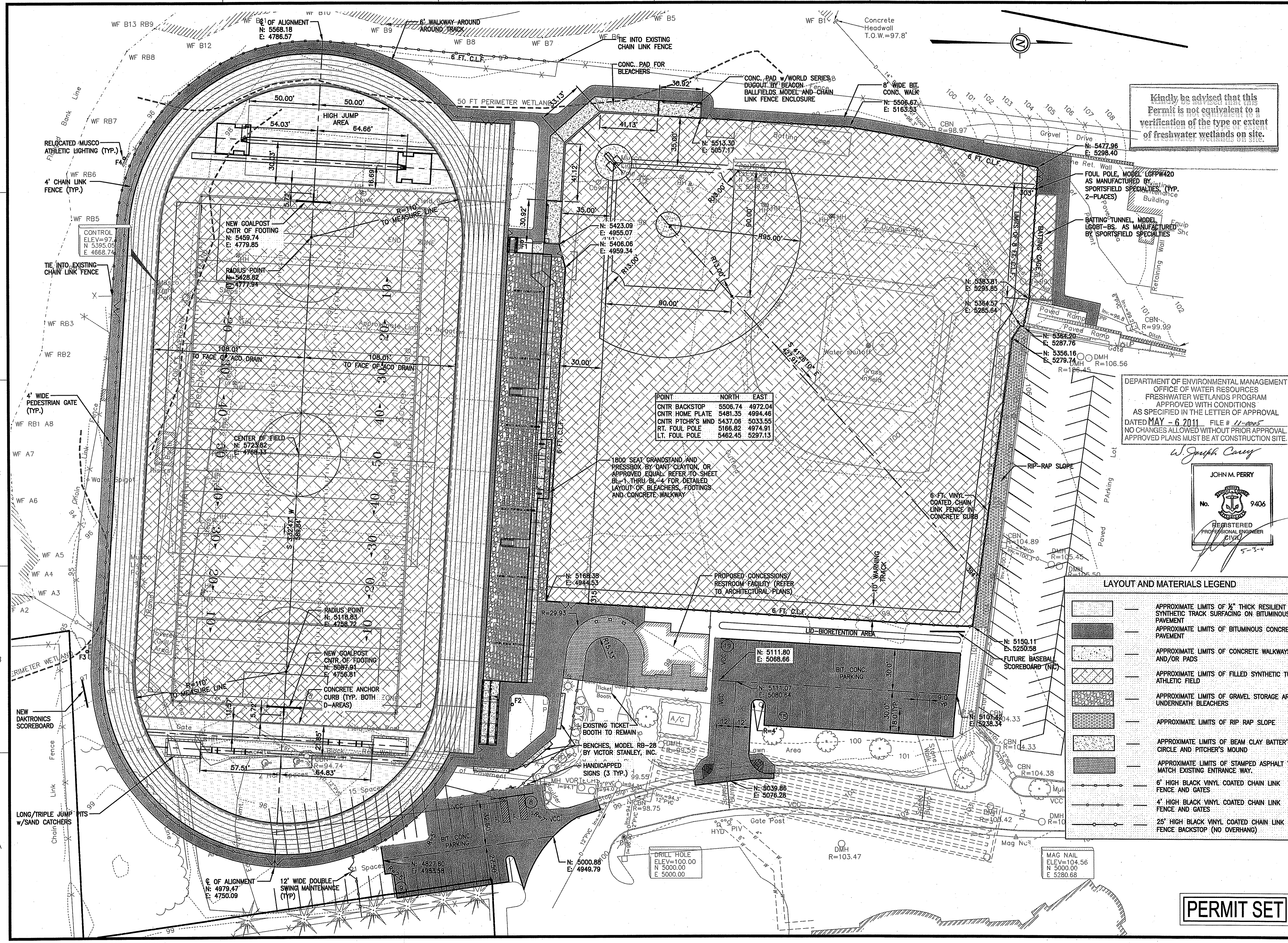
CADD FILE	714400_C4
DESIGNED BY	PS/WAC
DRAWN BY	WAC
CHECKED BY	JMP
DATE	JANUARY 14, 2011
DRAWING SCALE	1"=30'-0"



SHEET TITLE

LAYOUT AND MATERIALS PLAN

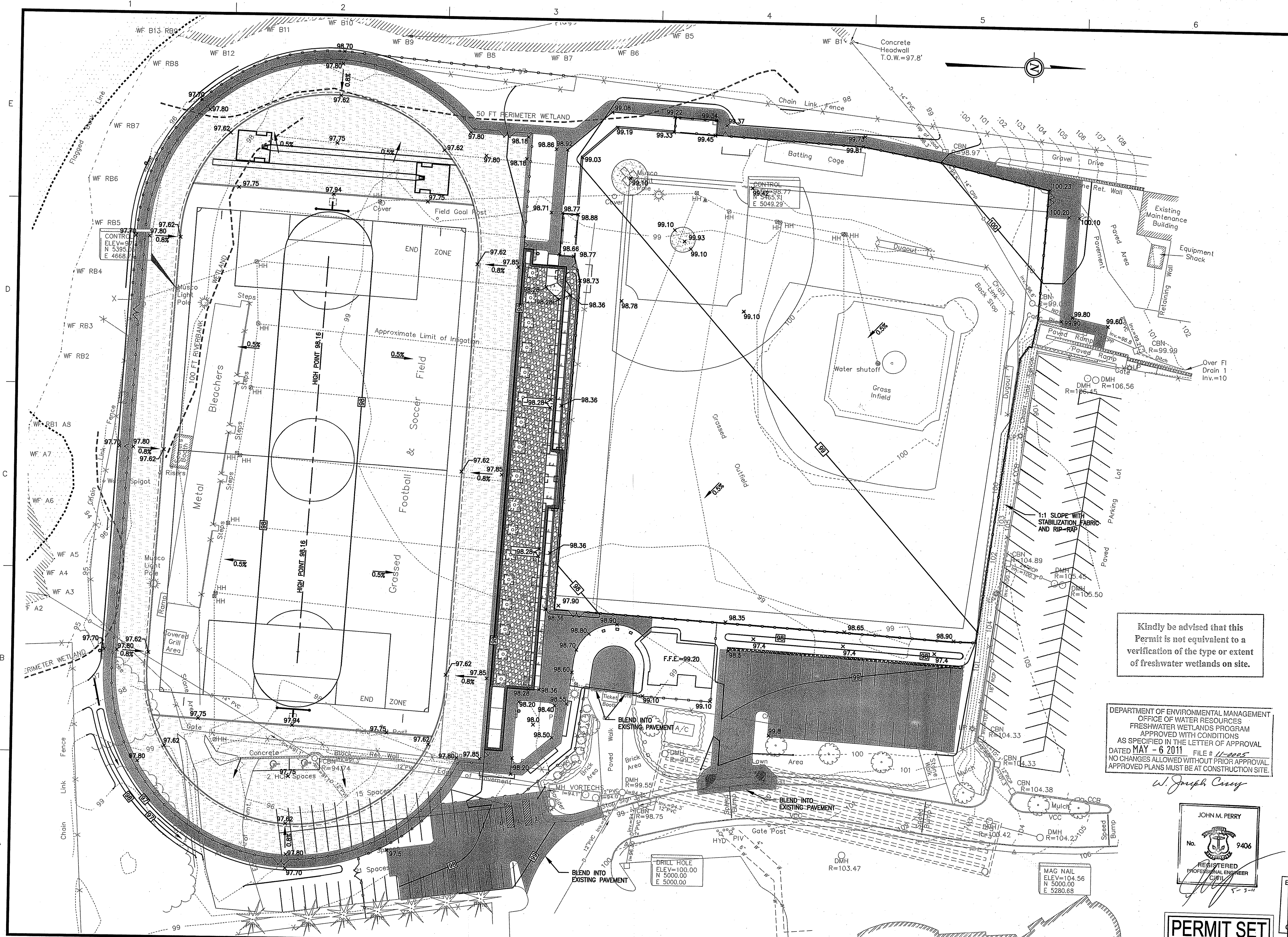
Environmental Management	DRAWING NO.
MAY - 5 2011	C-4
Office of Water Resources	4 of 15
	PROJECT NO. 714400



POINT	NORTH	EAST
CNTR BACKSTOP	5506.74	4972.04
CNTR HOME PLATE	5481.35	4984.46
CNTR PTCHR'S MND	5437.06	5033.55
RT. FOUL POLE	5168.82	4974.91
LT. FOUL POLE	5462.45	5297.13

LAYOUT AND MATERIALS LEGEND	
[Symbol]	APPROXIMATE LIMITS OF 1/2" THICK RESILIENT SYNTHETIC TRACK SURFACING ON BITUMINOUS PAVEMENT
[Symbol]	APPROXIMATE LIMITS OF BITUMINOUS CONCRETE PAVEMENT
[Symbol]	APPROXIMATE LIMITS OF CONCRETE WALKWAYS AND/OR PADS
[Symbol]	APPROXIMATE LIMITS OF FILLED SYNTHETIC TURF ATHLETIC FIELD
[Symbol]	APPROXIMATE LIMITS OF GRAVEL STORAGE AREA UNDERNEATH BLEACHERS
[Symbol]	APPROXIMATE LIMITS OF RIP RAP SLOPE
[Symbol]	APPROXIMATE LIMITS OF BEAM CLAY BATTER'S CIRCLE AND PITCHER'S MOUND
[Symbol]	APPROXIMATE LIMITS OF STAMPED ASPHALT TO MATCH EXISTING ENTRANCE WAY
[Symbol]	6' HIGH BLACK VINYL COATED CHAIN LINK FENCE AND GATES
[Symbol]	4' HIGH BLACK VINYL COATED CHAIN LINK FENCE AND GATES
[Symbol]	25' HIGH BLACK VINYL COATED CHAIN LINK FENCE BACKSTOP (NO OVERHANG)

PERMIT SET



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 Engineers and Planners
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PROJECT
**JOHN P. CRONIN FIELDS
 ATHLETIC FIELD RENOVATION PROJECT
 LA SALLE ACADEMY
 PROVIDENCE, RHODE ISLAND**

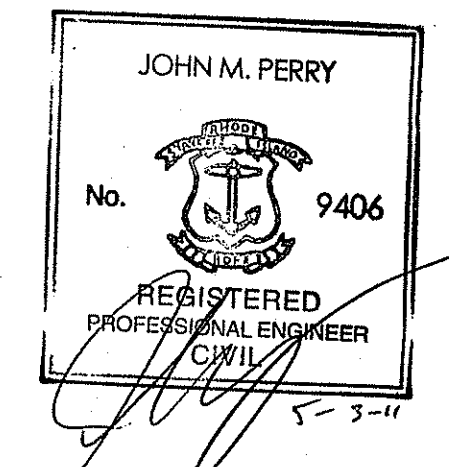
CLIENT
**LA SALLE ACADEMY
 612 ACADEMY AVE.
 PROVIDENCE, RI 02908**

REVISIONS		
NO.	DATE	DESCRIPTION
1	1/28/11	REVISED GRADING
2	3/31/11	RIDEM COMMENTS
3	5/3/11	APPROVAL SET

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED MAY - 6 2011 FILE # 11-0055
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W. Joseph Cray



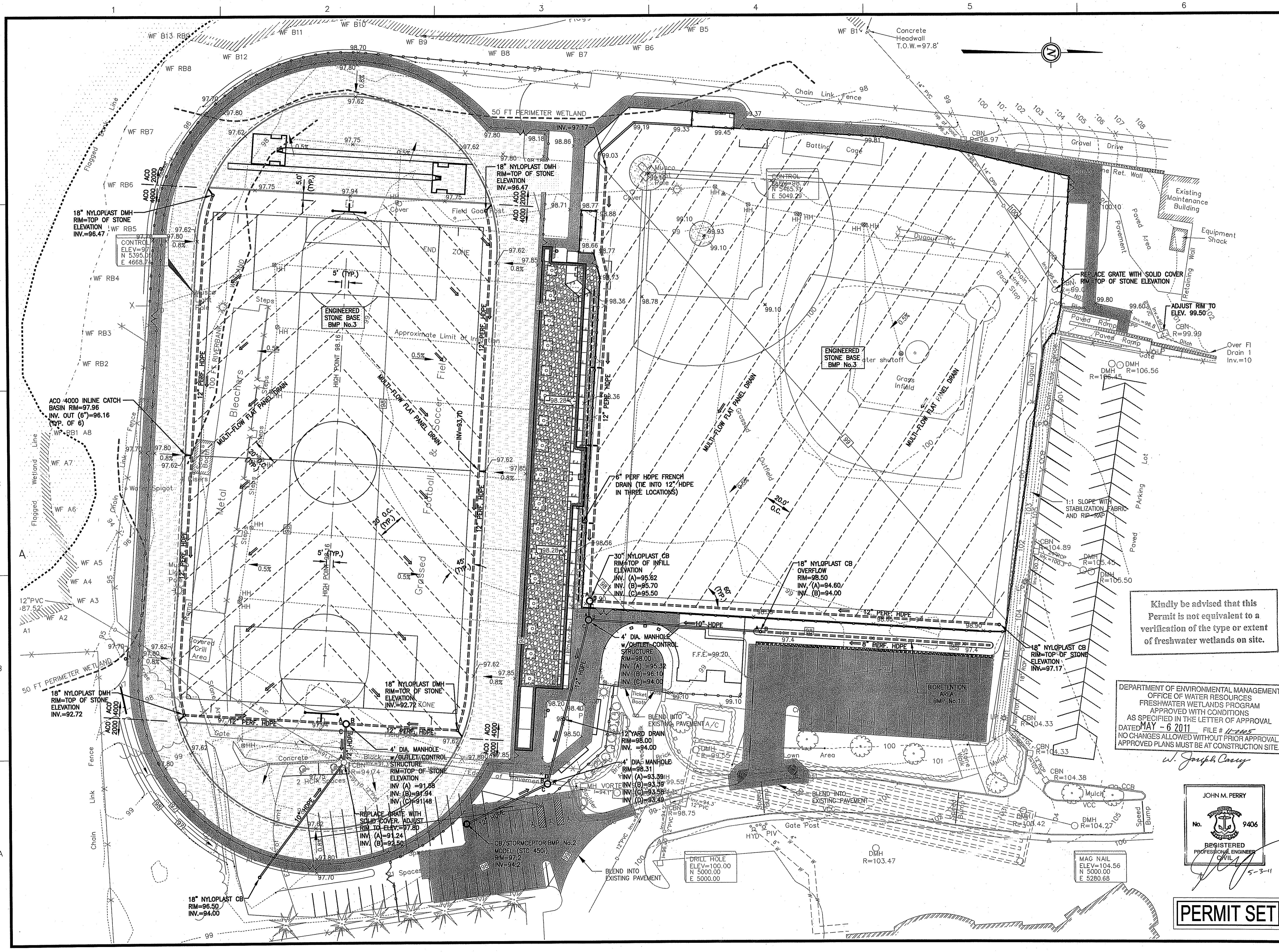
PERMIT SET

CADD FILE	714400C5
DESIGNED BY	PS/NAC
DRAWN BY	WAH
CHECKED BY	JMP
DATE	JANUARY 14, 2011
DRAWING SCALE	1"=30'-0"

GRAPHIC SCALE
 0 30' 60'

SHEET TITLE

GRADING PLAN	
Environmental Management	DRAWING NO.
MAY - 5 2011	C-5
Office of Water Resources	5 of 15
	PROJECT NO. 714400



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PROJECT: JOHN P. CRONIN FIELDS ATHLETIC FIELD RENOVATION PROJECT
 CLIENT: LA SALLE ACADEMY 612 ACADEMY AVE. PROVIDENCE, RI 02908

REVISIONS	
NO.	DESCRIPTION
1	1/28/11 REVISED GRADING
2	3/31/11 RIDEM COMMENTS
3	4/27/11 RIDEM COMMENTS
4	5/3/11 APPROVAL SET

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 OFFICE OF WATER RESOURCES
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 DATED MAY - 6 2011 FILE # 11-005
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 APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

JOHN M. PERRY
 No. 9406
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

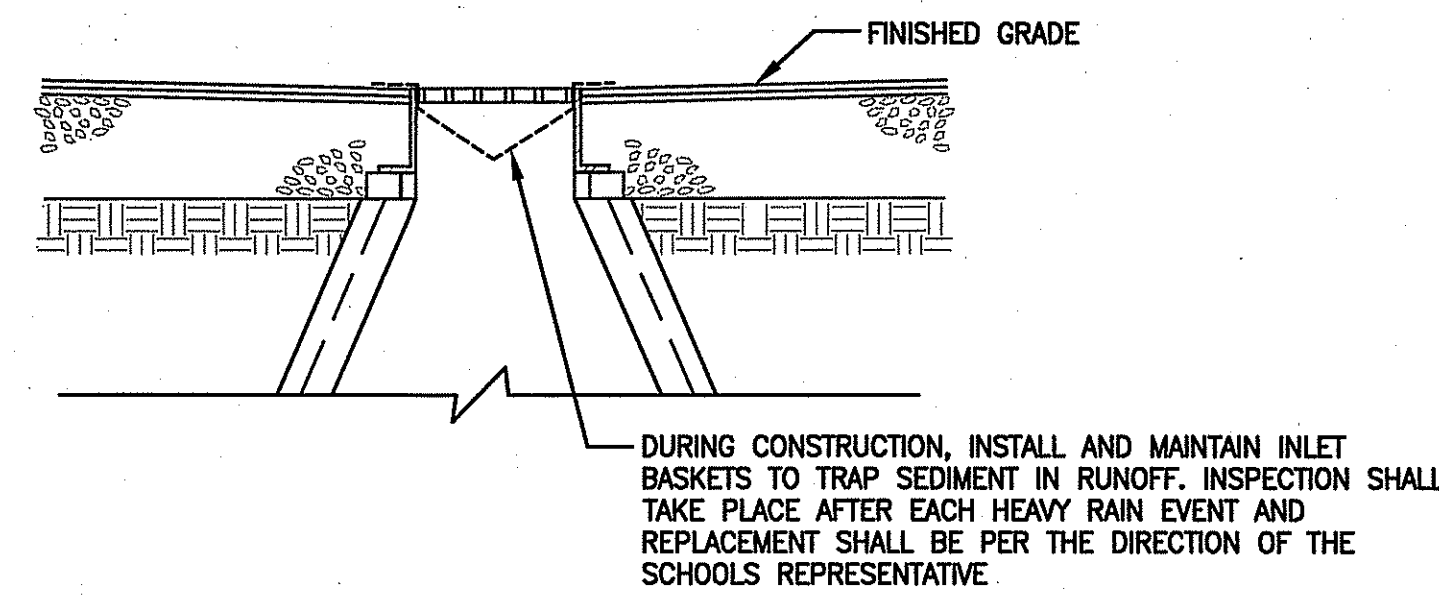
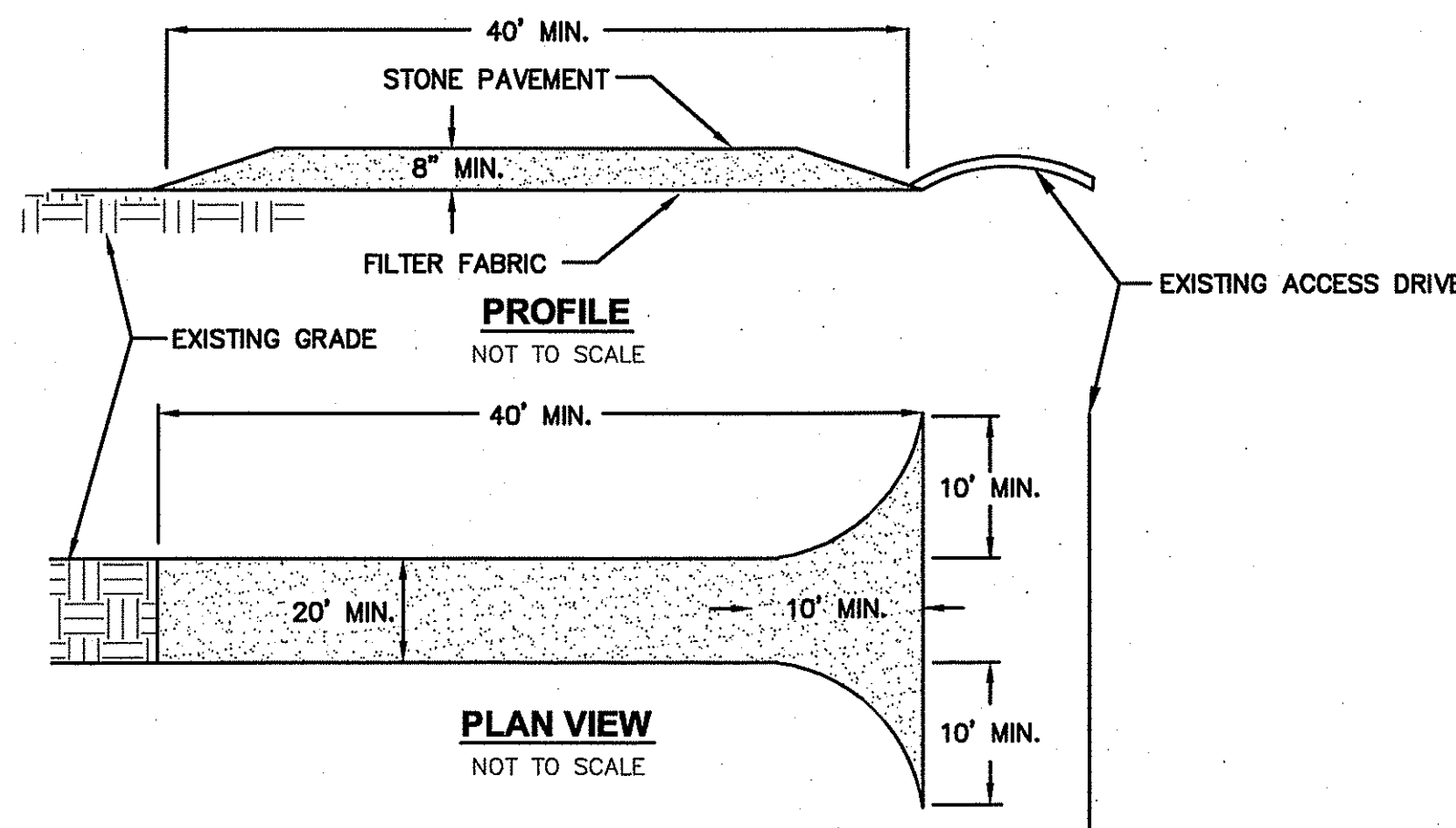
PERMIT SET

CADD FILE	714400C6
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DRAWN BY	WAH
CHECKED BY	JMP
DATE	JANUARY 14, 2011
DRAWING SCALE	1"=30'-0"

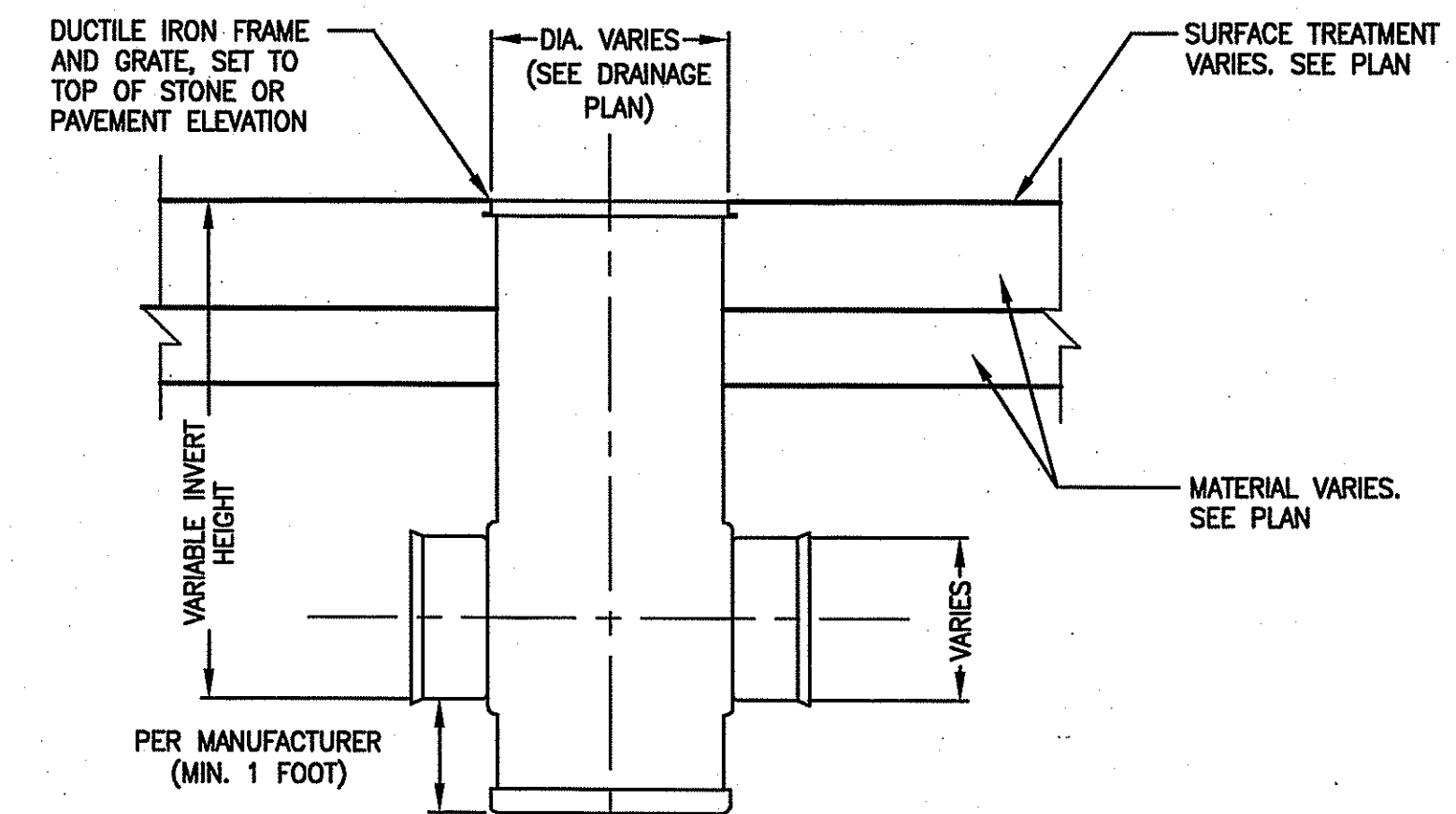
GRAPHIC SCALE
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SHEET TITLE
DRAINAGE PLAN

Environmental Management DRAWING NO.
 MAY - 5 2011
 Office of Water Resources
C-6
 of 15
 PROJECT NO. 714400



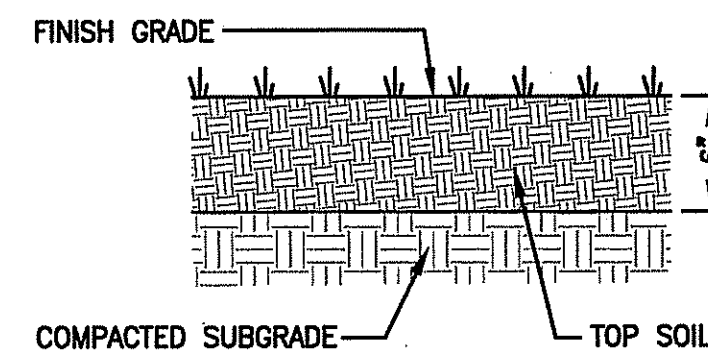
CATCH BASIN SEDIMENT CONTROL DETAIL
N.T.S.



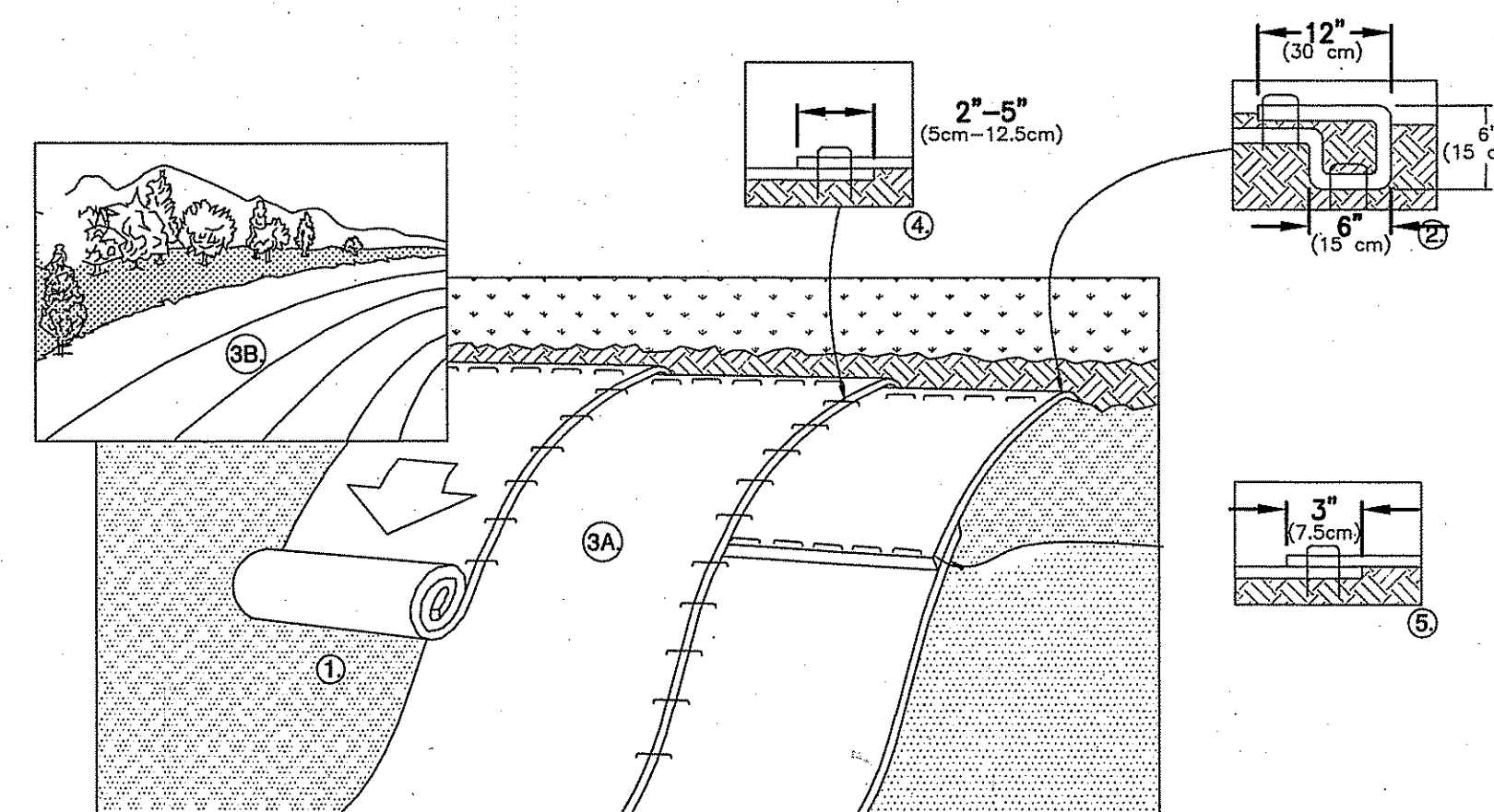
NYLOPLAST MANHOLE OR CATCH BASIN
N.T.S.

- 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 - TWELVE (12) 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. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
 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.

STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

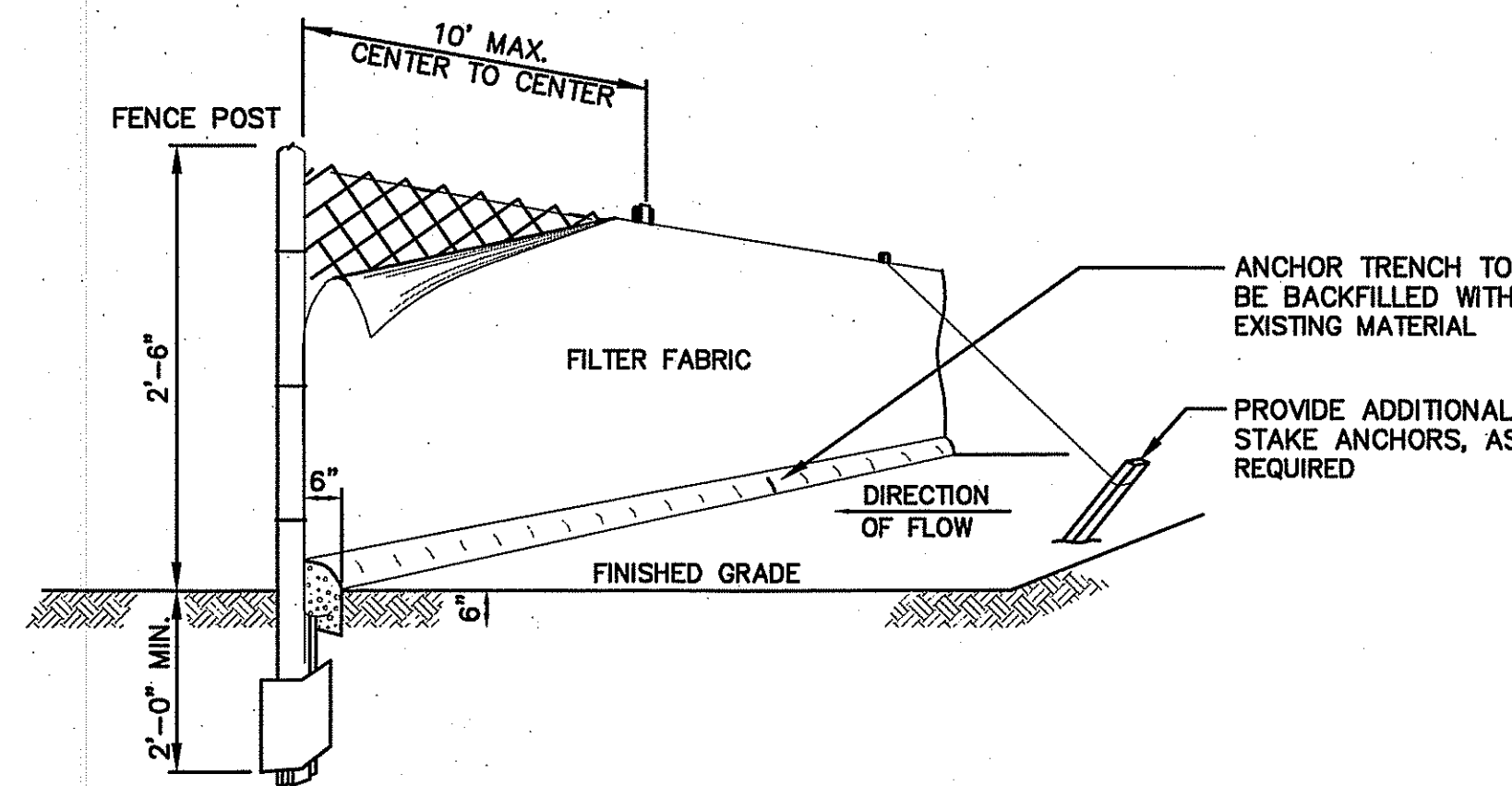


LOAM AND SEED DETAIL (DISTURBED AREAS)
N.T.S.



1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-0-SEED DO NOT SEED PREPARED AREA. CELL-0-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2'-5" (5cm-12.5cm) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30cm) APART ACROSS ENTIRE BLANKET WIDTH.

EROSION MATTING DETAIL (3:1 SLOPES)
N.T.S.

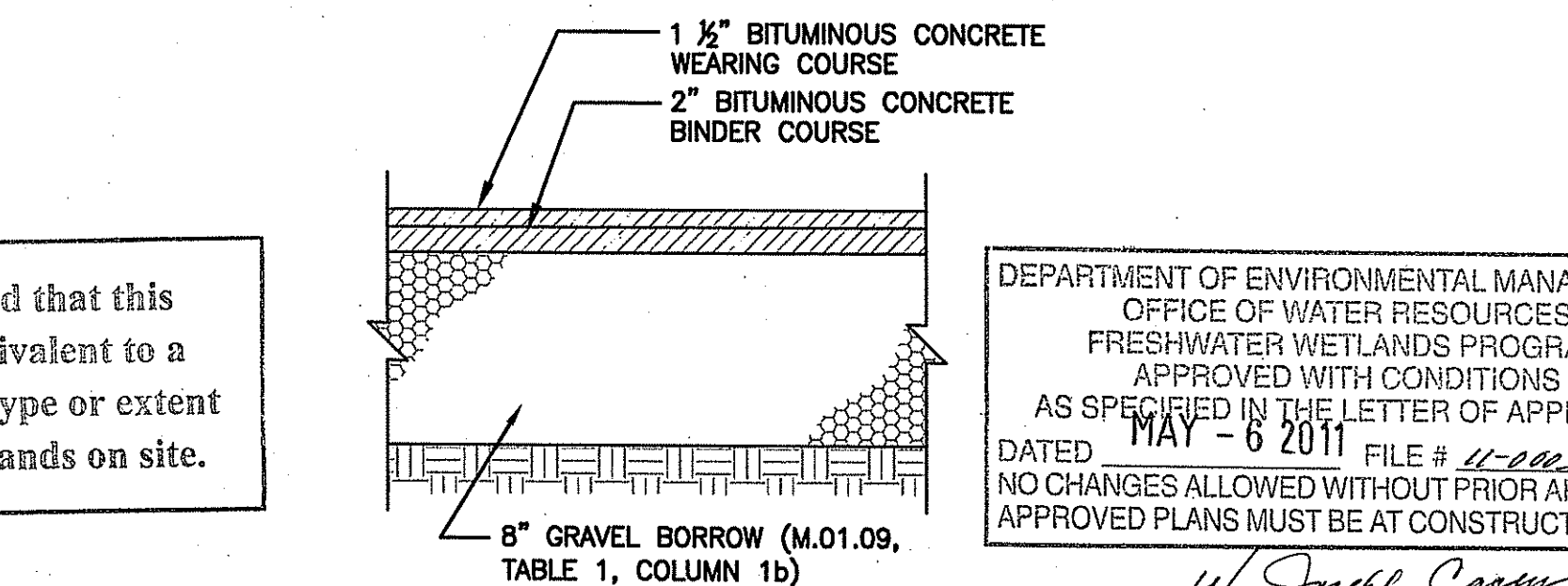


NOTE: IN AREAS WHERE ANCHOR TRENCH CANNOT BE DUG, FABRIC WILL BE LAID ON SURFACE AND COVERED WITH MINIMUM 6" DEPTH OF SOIL.

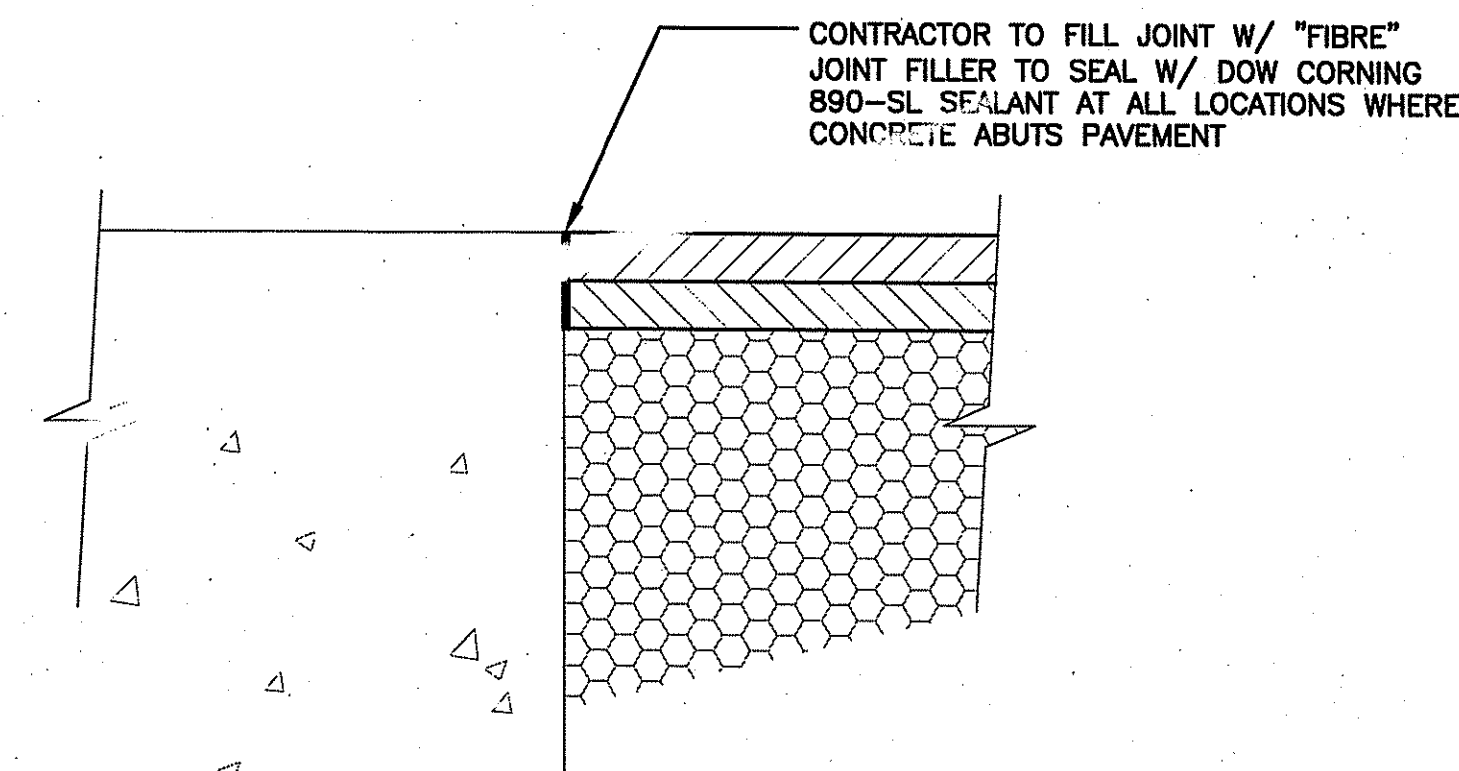
SILT FENCE
N.T.S.

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TREE PROTECTION FENCE AND BACKFILL MEASURES
N.T.S.



BITUMINOUS CONCRETE SIDEWALK SECTION
N.T.S.



TYPICAL CONCRETE TO PAVEMENT DETAIL (ALL CASES)
N.T.S.



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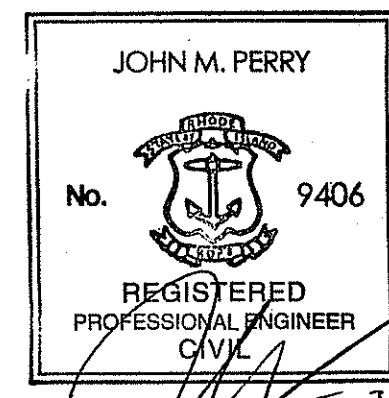
PROJECT: JOHN P. CRONIN FIELDS ATHLETIC FIELD RENOVATION PROJECT
CLIENT: LA SALLE ACADEMY
612 ACADEMY AVE. PROVIDENCE, RI 02908

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/31/11	RIDEM COMMENTS
2	5/3/11	APPROVAL SET

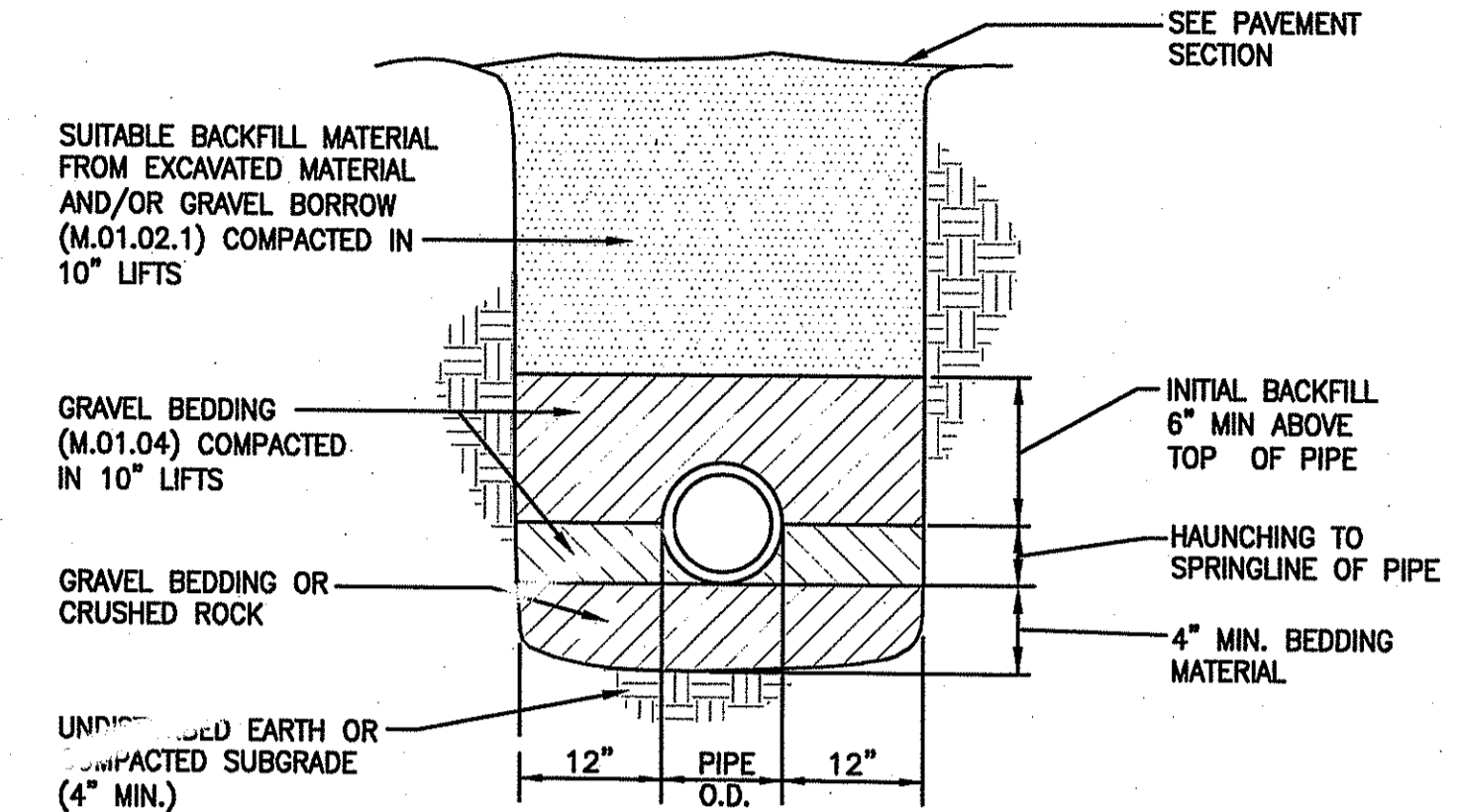
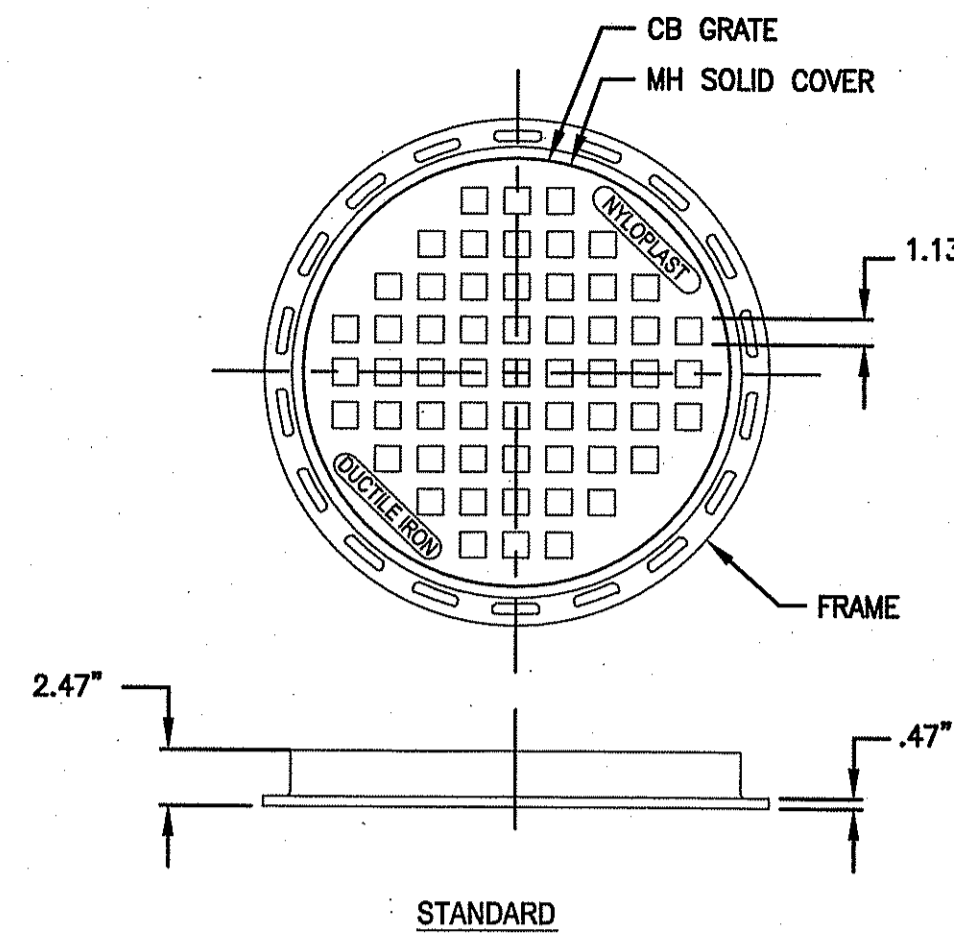
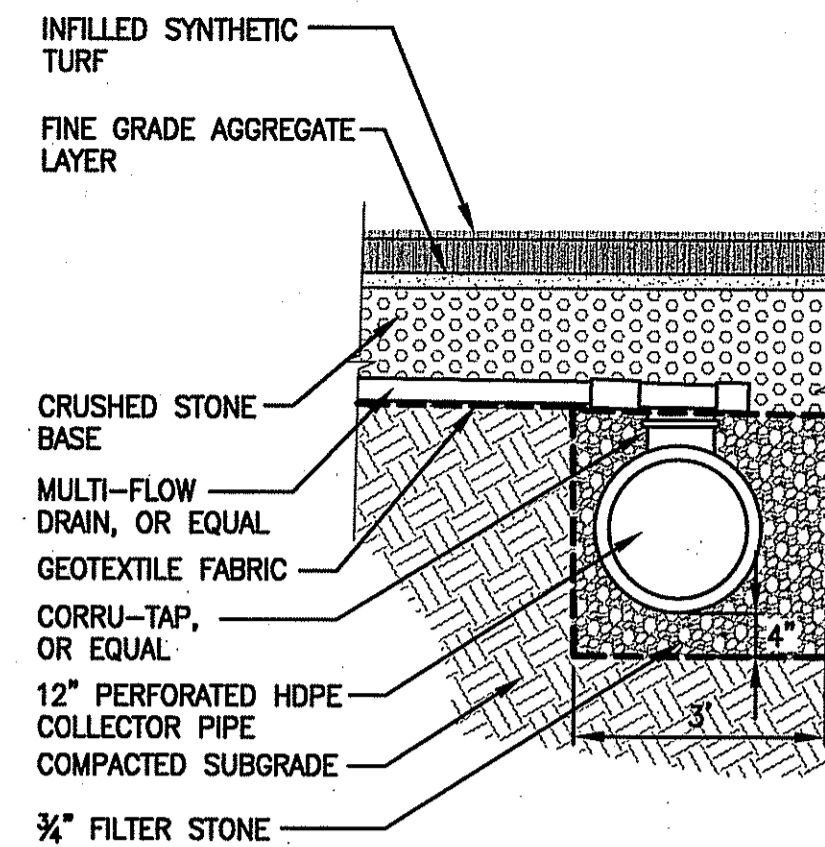
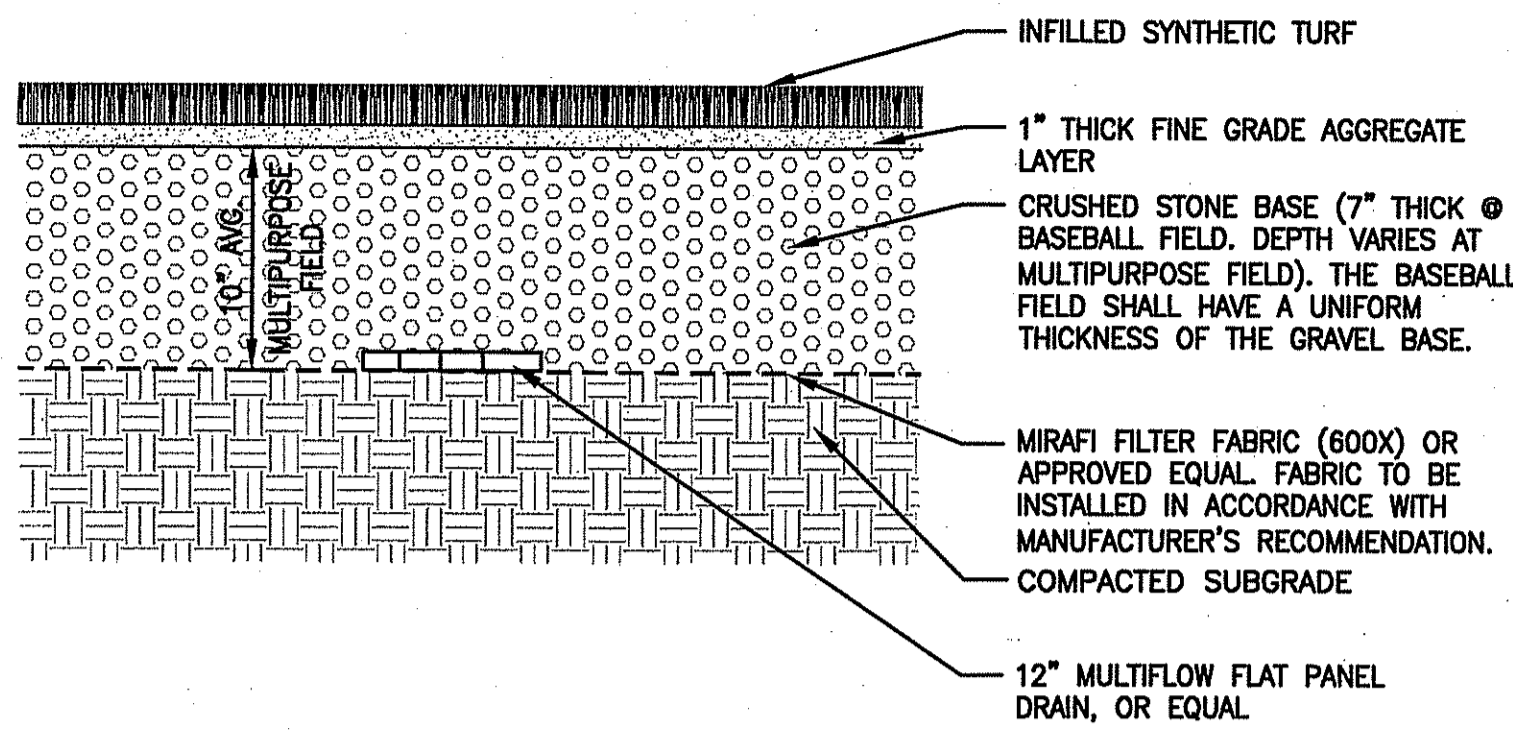
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DESIGNED BY	PS/NAC
DRAWN BY	WAH
CHECKED BY	JMP
DATE	JANUARY 14, 2011
DRAWING SCALE	N.T.S.
GRAPHIC SCALE	

SHEET TITLE: DETAIL SHEET 1 OF 8

Environmental Management Drawing No. MAY - 5 2011 C-7 7 of 15 PROJECT NO. 714400



PERMIT SET



SYNTHETIC TURF SECTION & FIELD UNDERDRAIN DETAIL

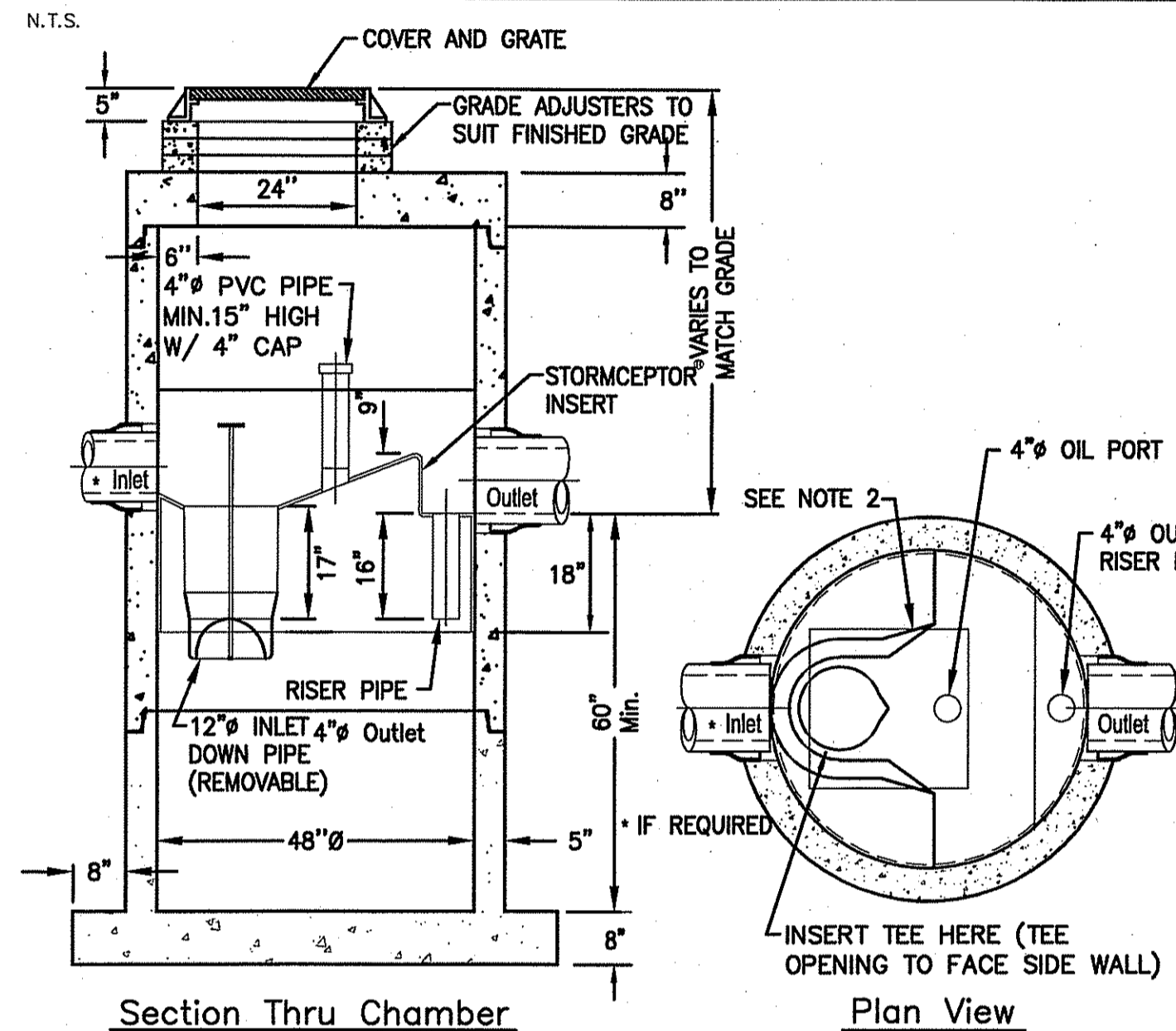
TYPICAL COLLECTOR PIPE AND LATERAL CONNECTION

- 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
 - CASTINGS ARE FURNISHED WITH BLACK PAINTLOCKING DEVICE 5/16-18 ZINC GOLD HEX BOLT 1\"/>

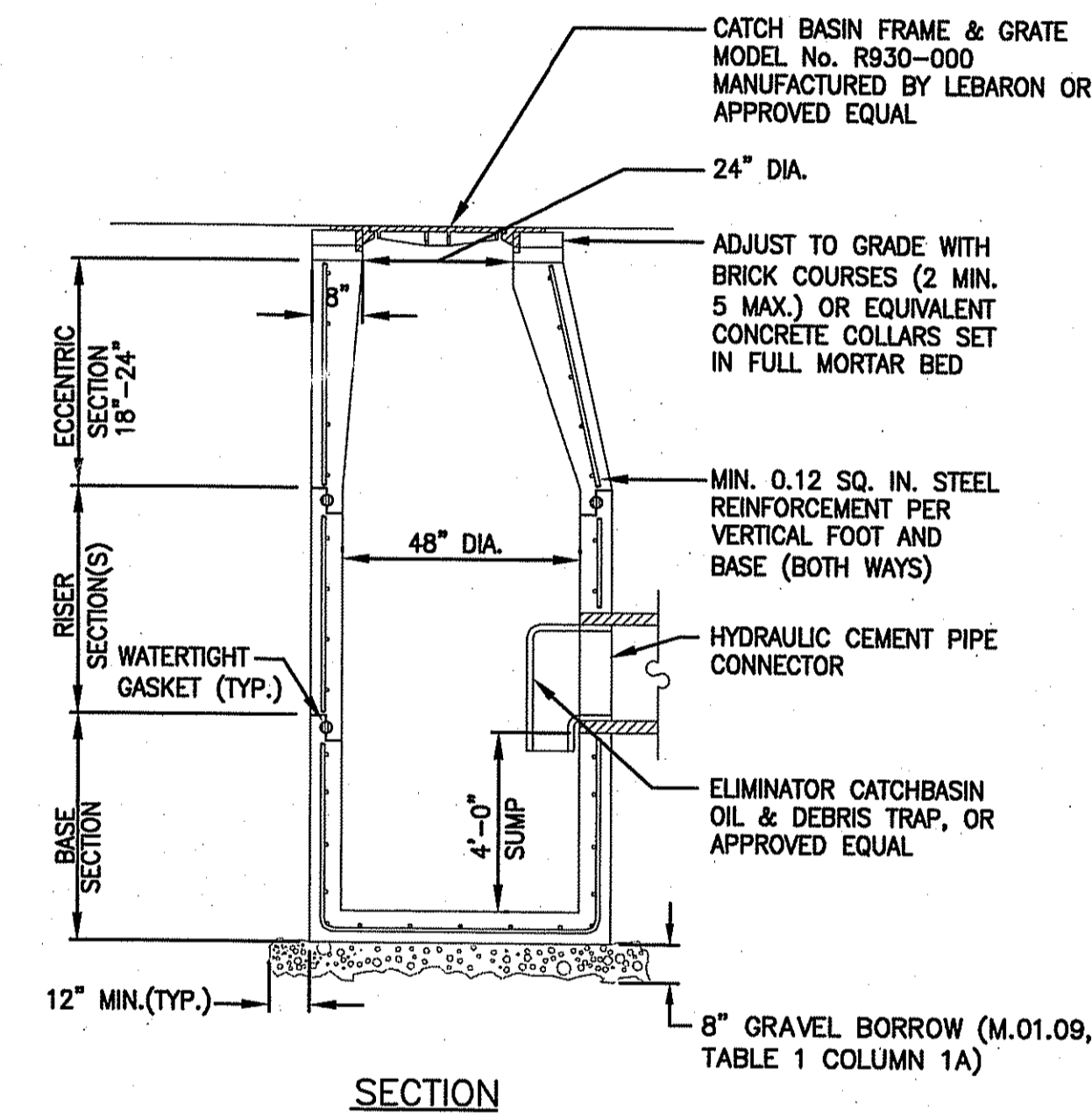
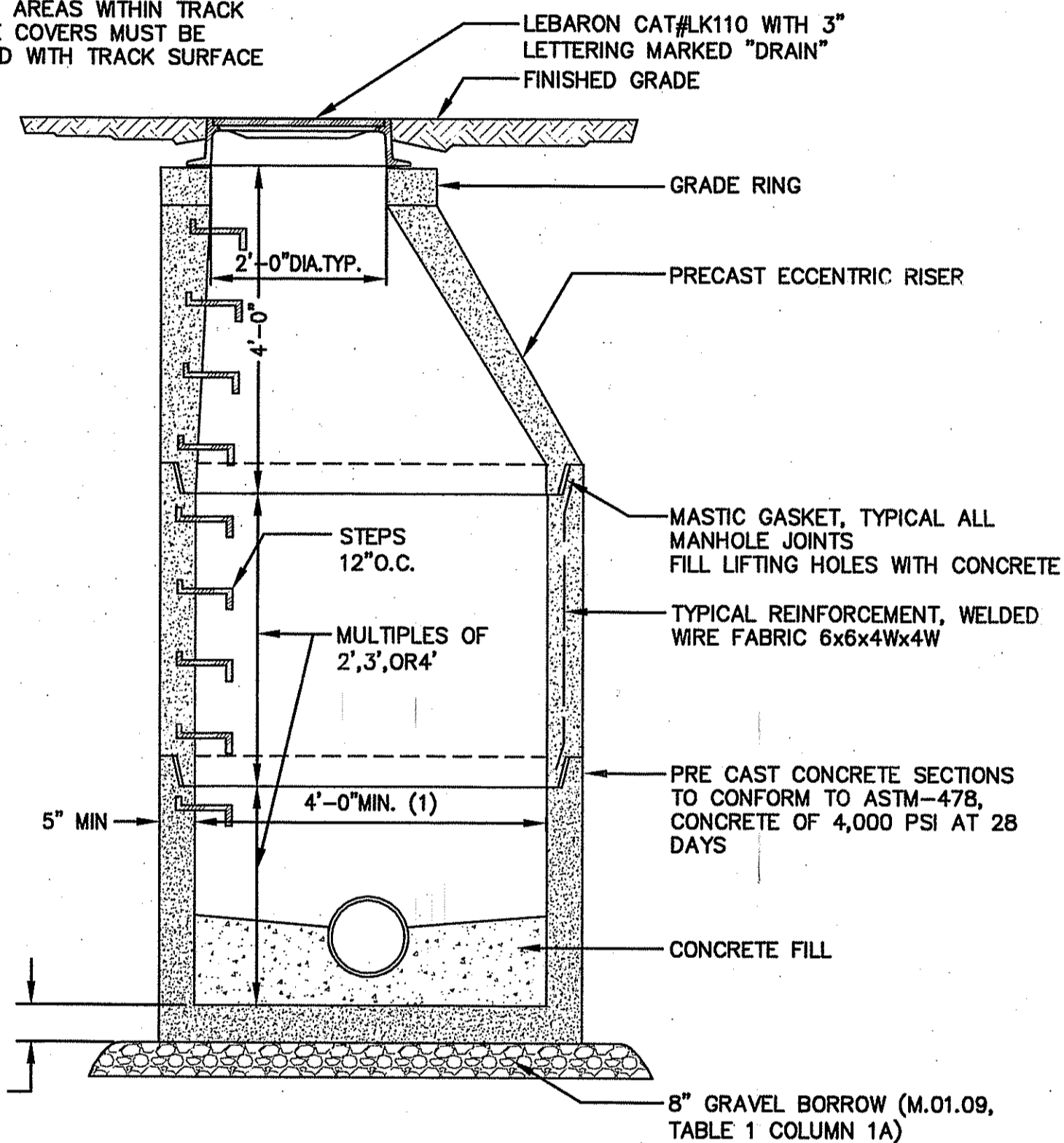
NOTE: CONTRACTOR SHALL PROVIDE SHEETING, TRENCH BOX OR SLOPED WALLS IN ACCORDANCE WITH APPLICABLE SAFETY REGULATIONS

NYLON LAST MH/CB COVER

HDPE TRENCH DETAIL (UP TO 24\"/>



NOTE: IN AREAS WITHIN TRACK MANHOLE COVERS MUST BE SURFACED WITH TRACK SURFACE



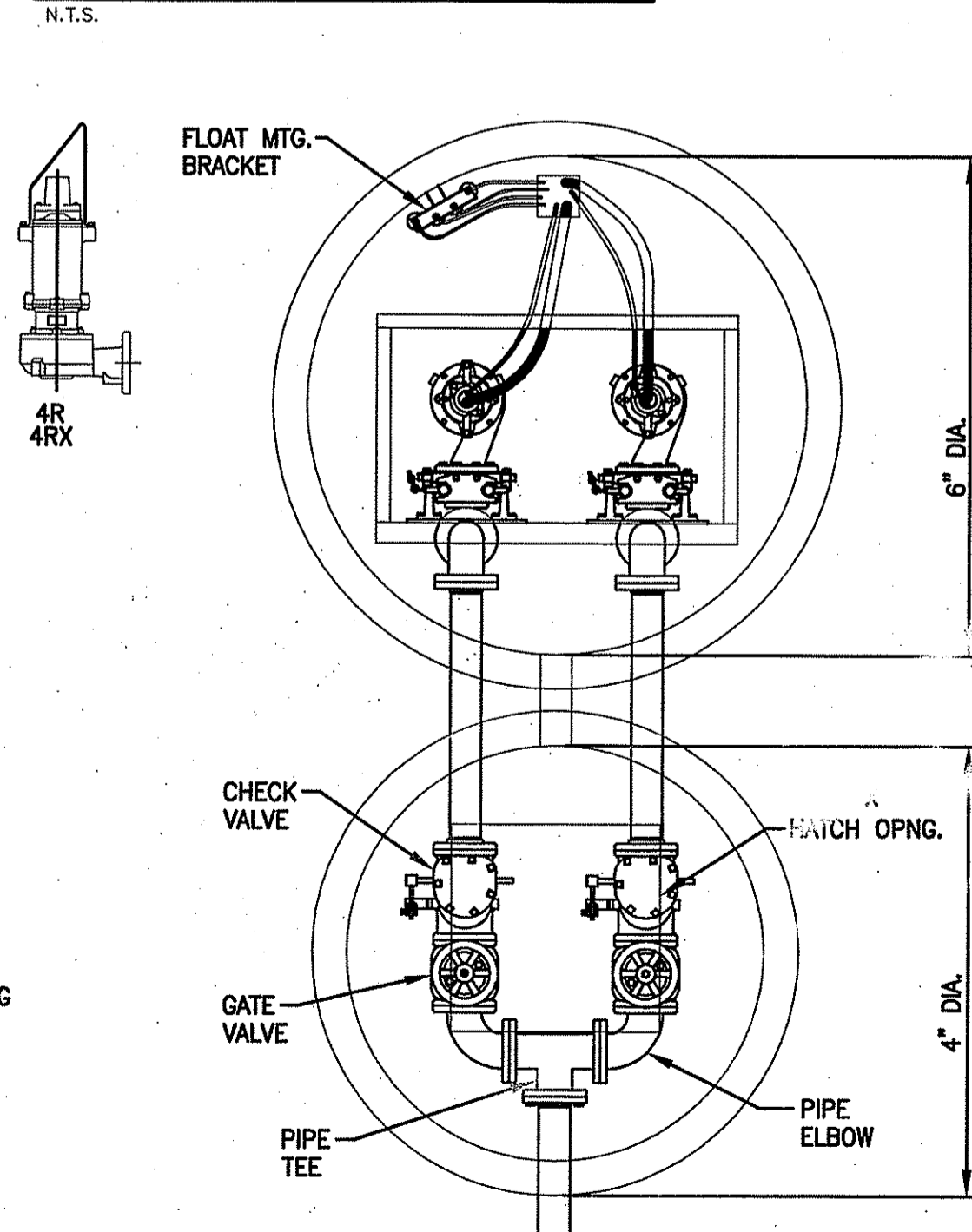
- NOTES:
- REINFORCED STEEL CONFORMS TO LATEST A185 SPEC. 0.12 SQ. IN./LINEAL FT. (0.15 SQ. IN. FOR 60\"/>
 - CONCRETE COMPRESSIVE STRENGTH-4000 PSI MIN.
 - MANHOLE DESIGN CONFORMS TO LATEST ASTM C478 SPEC. FOR "PRECAST REINFORCE CONCRETE MANHOLE SECTIONS".
 - JOINT SEALANT SHALL BE SYNTHETIC RUBBER GASKET THAT COMPLIES W/ C-443 OR C-361.
 - BASE SECTION SHALL BE ONE POUR MONOLITHIC.

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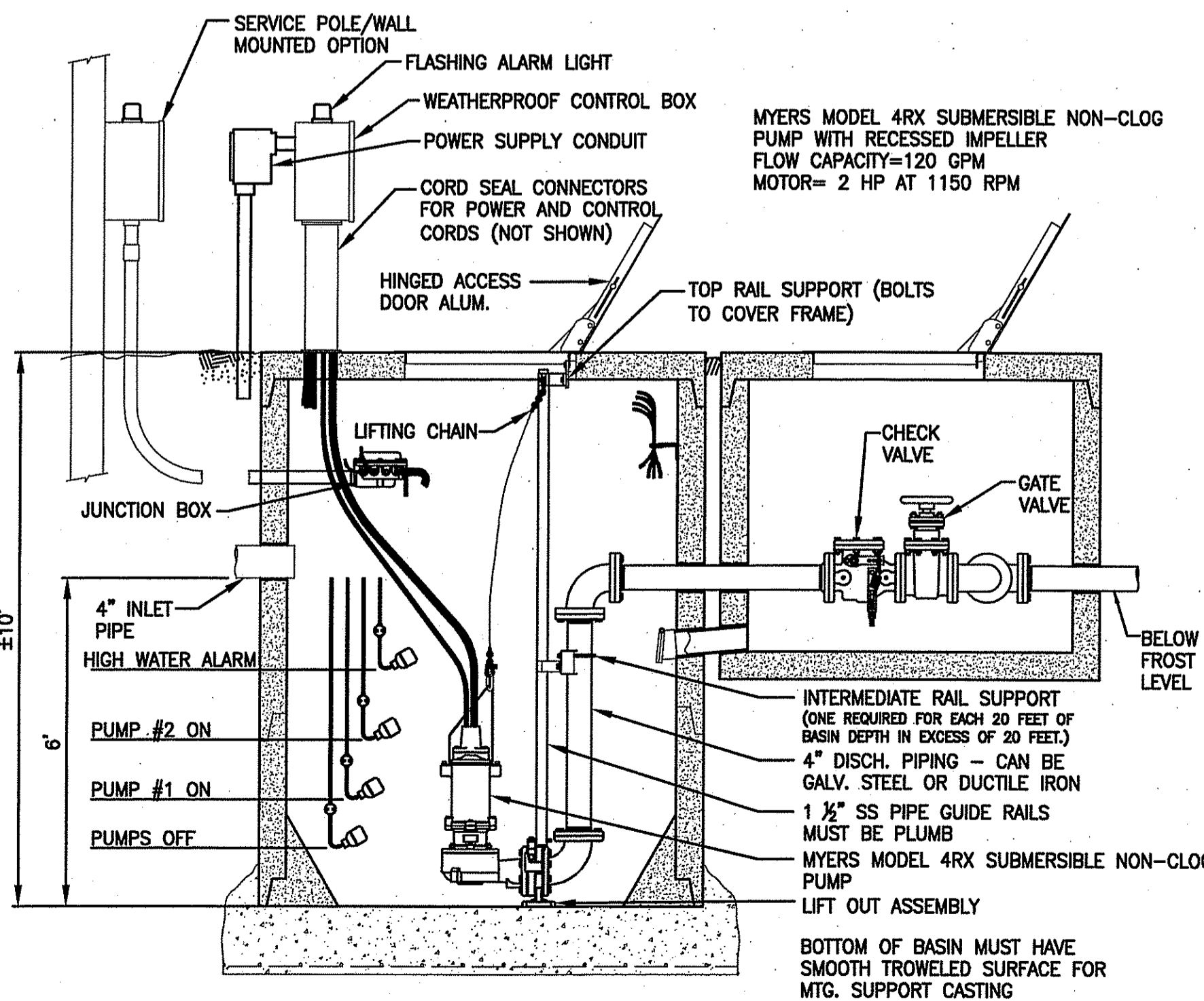
STC 450i STORMCEPTOR

- 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.
 - THE STORMCEPTOR SYSTEM IS PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, #6371690.
 - CONTACT A CONCRETE PIPE DIVISION REPRESENTATIVE FOR FURTHER DETAILS NOT LISTED ON THIS DRAWING.

PRECAST DRAIN MANHOLE



MANHOLE COVER AT SYNTHETIC TURF



PUMP CHAMBER



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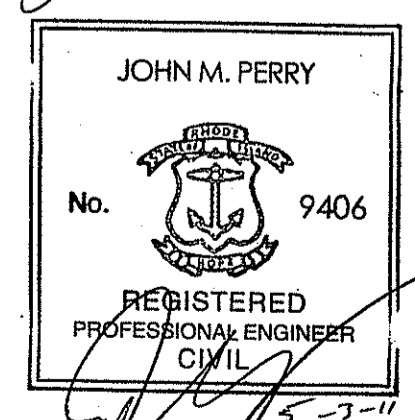
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PROJECT: JOHN P. CRONIN FIELDS ATHLETIC FIELD RENOVATION PROJECT
CLIENT: LA SALLE ACADEMY
PROVIDENCE, RHODE ISLAND
LA SALLE ACADEMY
612 ACADEMY AVE.
PROVIDENCE, RI 02908

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/31/11	RIDEM COMMENTS
2	5/3/11	APPROVAL SET

CADD FILE	714400_C9
DESIGNED BY	PS/NAC
DRAWN BY	WAH
CHECKED BY	JMP
DATE	JANUARY 14, 2011
DRAWING SCALE	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 MAY - 6 2011 FILE # 11-0005
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PERMIT SET

Environmental Management	DRAWING NO.
MAY - 5 2011	C-8
Office of Water Resources	8 of 15
	PROJECT NO. 714400



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PROJECT
JOHN P. CRONIN FIELDS ATHLETIC FIELD RENOVATION PROJECT
 LA SALLE ACADEMY
 PROVIDENCE, RHODE ISLAND

CLIENT
 LA SALLE ACADEMY
 612 ACADEMY AVE.
 PROVIDENCE, RI 02908

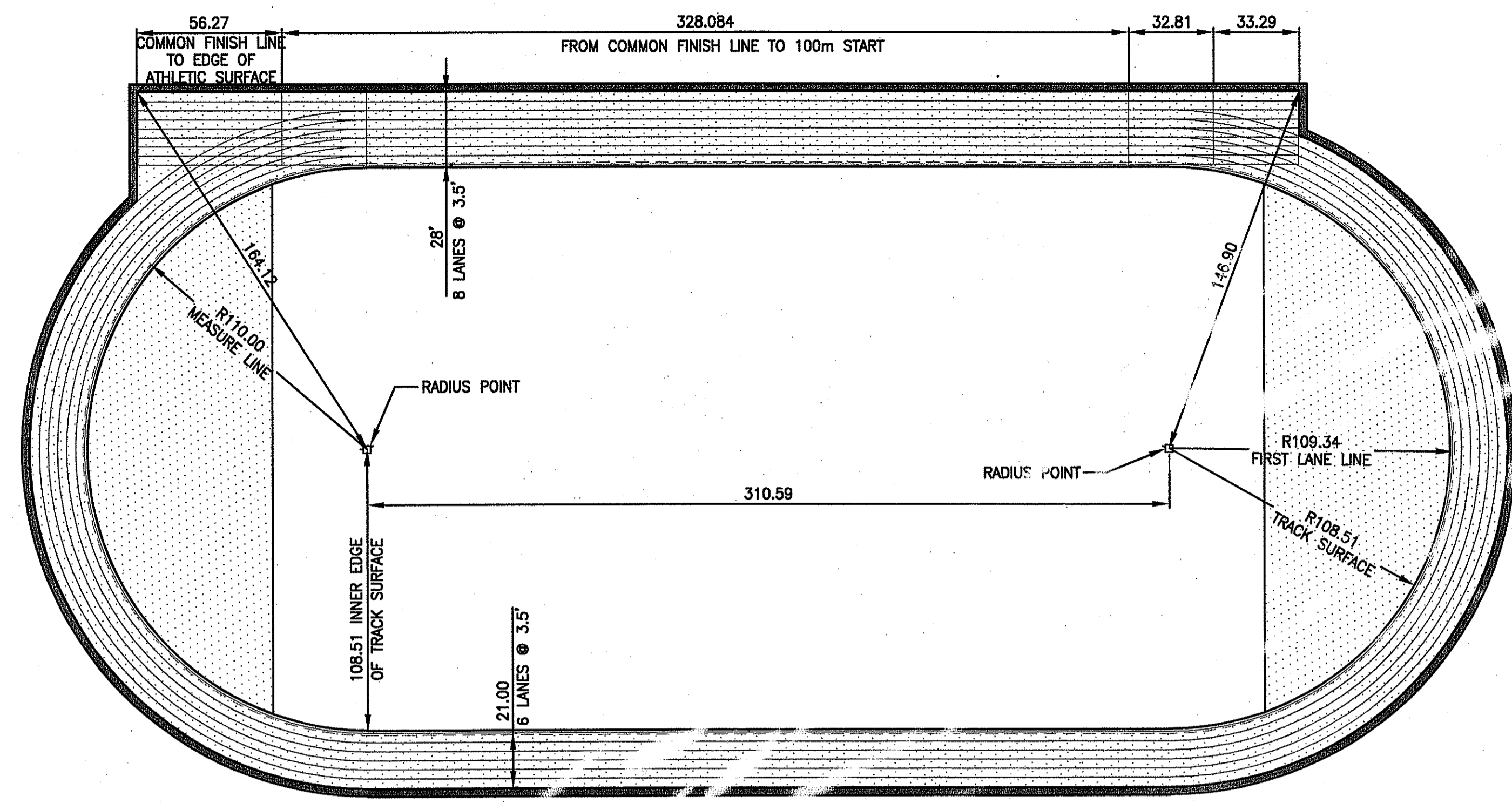
REVISIONS	
NO.	DESCRIPTION
1	3/31/11 RIDEM COMMENTS
2	5/3/11 APPROVAL SET

CADD FILE	714400_C11
DESIGNED BY	PS/NAC
DRAWN BY	WAH
CHECKED BY	JMP
DATE	JANUARY 14, 2011
DRAWING SCALE	N.T.S.

GRAPHIC SCALE

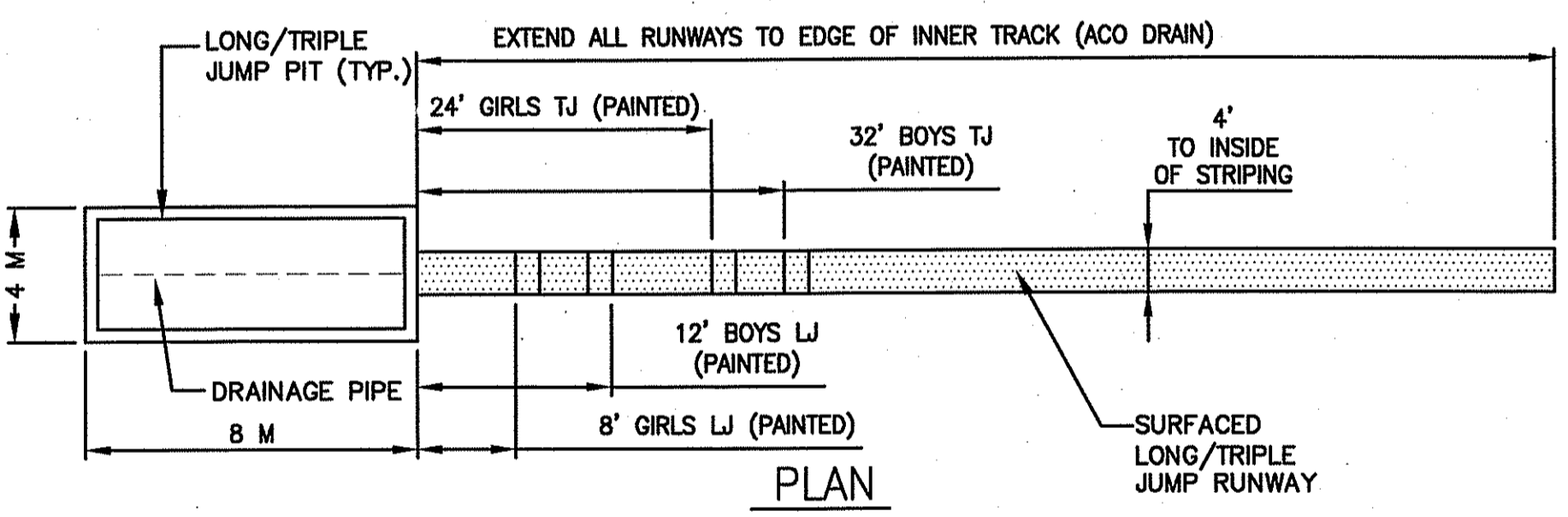
SHEET TITLE
DETAIL SHEET 4 OF 8

Environmental Management	DRAWING NO.
MAY - 5 2011	C-10
Office of Water Resources	10 of 15
	PROJECT NO. 714400

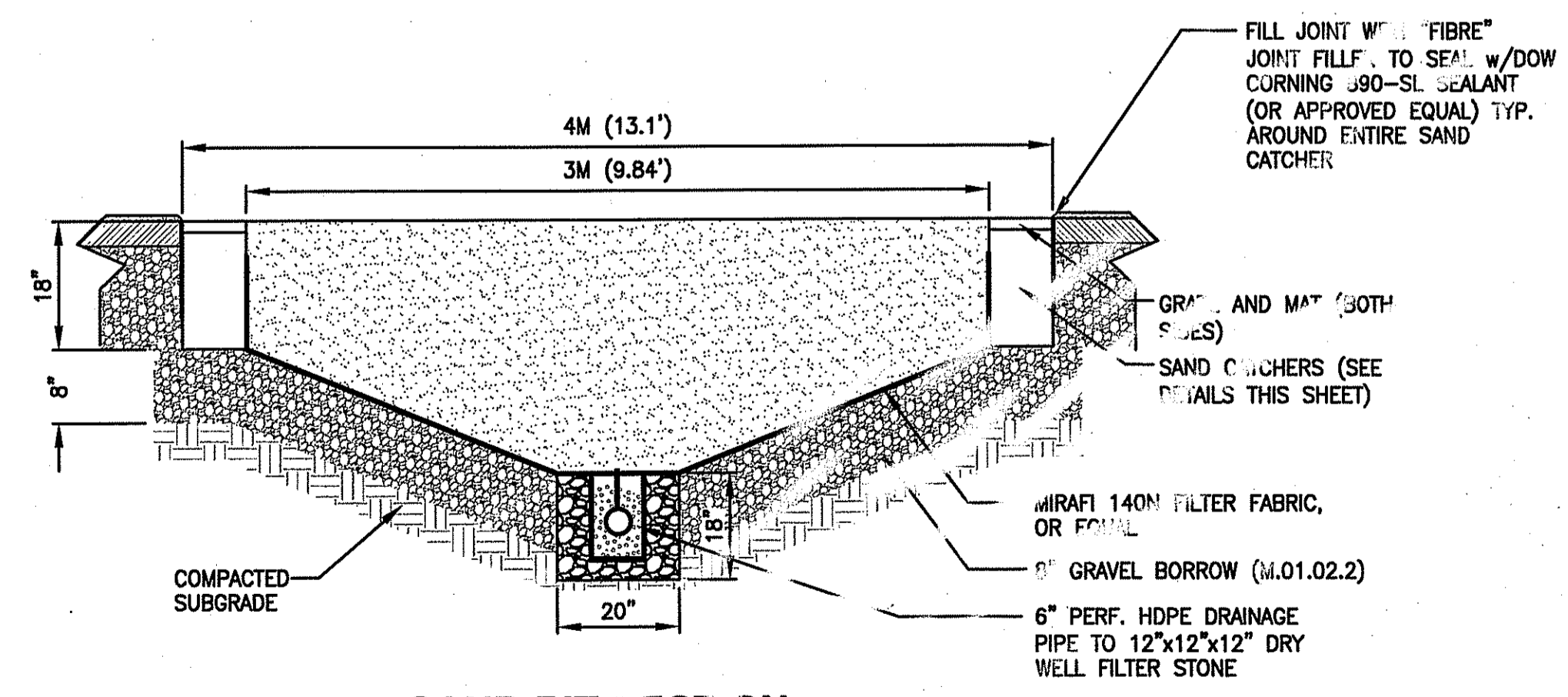


NOTE:
 CONTRACTOR TO SUPPLY A COLORED TRACK STRIPING PLAN ACCORDING TO NATIONAL FEDERATION OF HIGH STANDARDS AND RHODE ISLAND INTERSCHOLASTIC LEAGUE STANDARDS FOR OWNER APPROVAL TO INCLUDE DUAL COLOR LANE NUMERALS, HURDLE RACES AND ALL RELAY RACES, 1 MILE AND 2 MILE EVENTS, AND ALL OTHER RECOMMENDED MARKINGS. NO STRIPING SHALL TAKE PLACE UNTIL CONTRACTOR HAS RECEIVED APPROVED STRIPING PLAN.

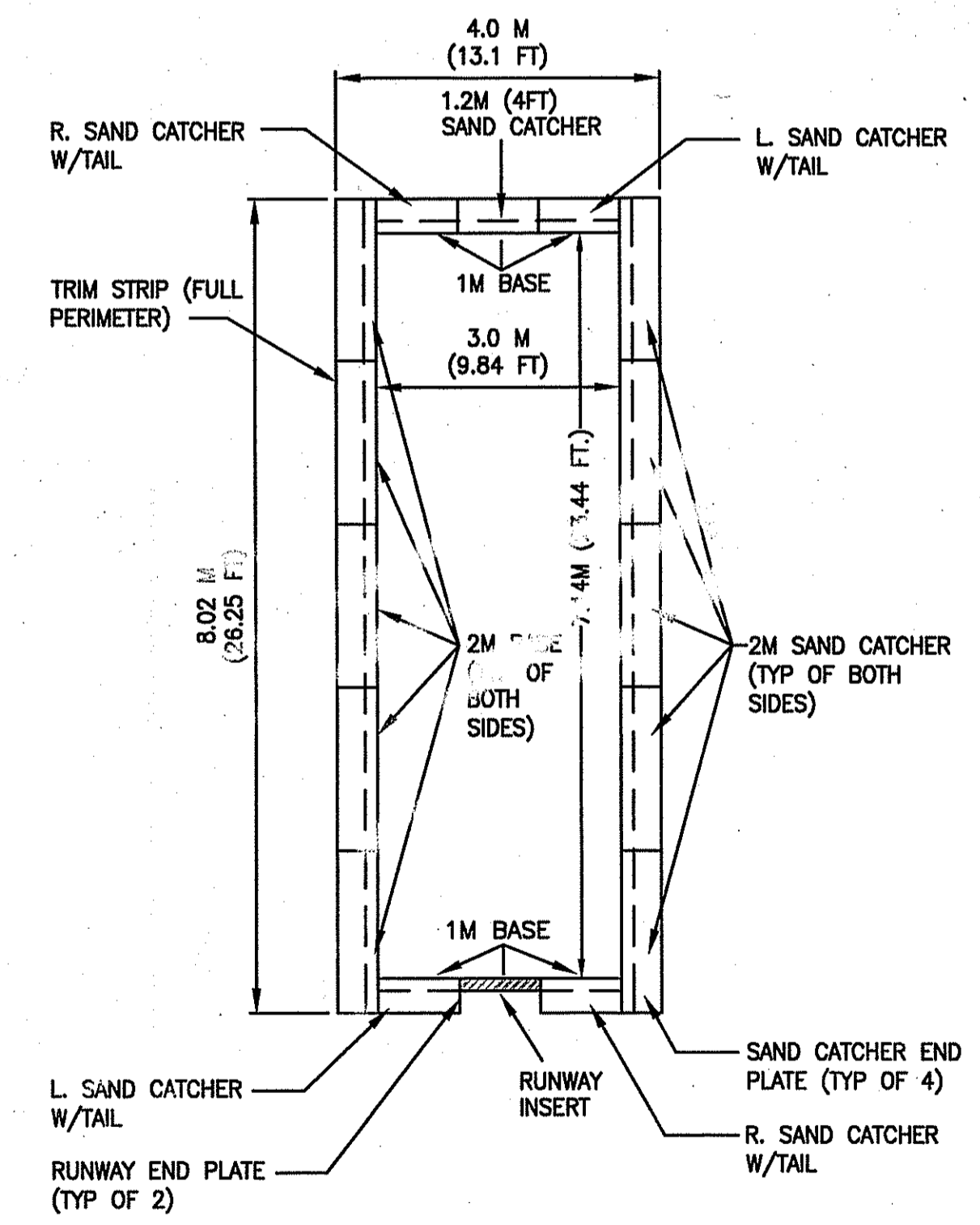
TRACK LAYOUT & LANE STRIPING
 N.T.S.



COMBINED (LONG JUMP/TRIPLE JUMP)
 N.T.S.

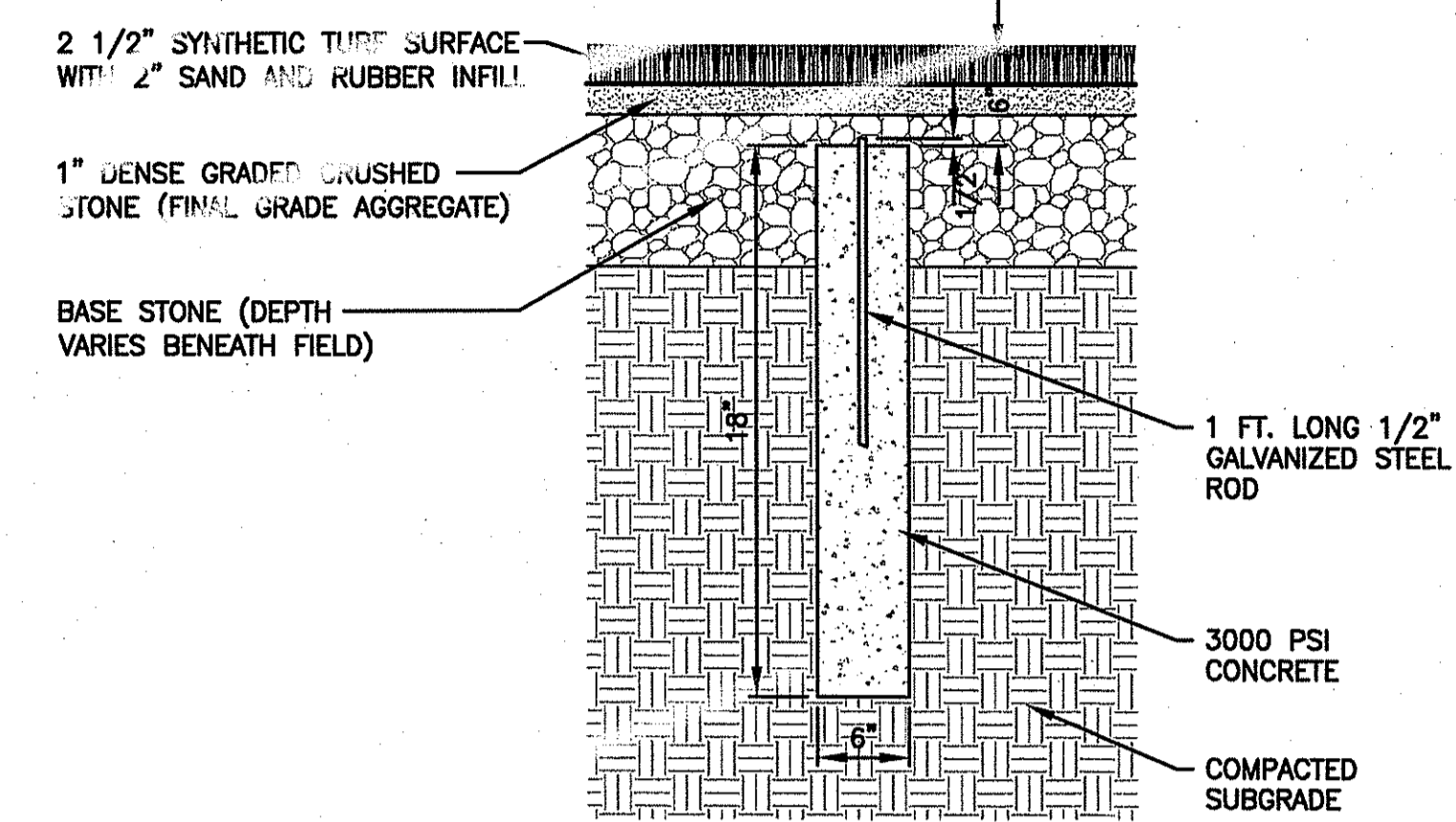


SAND PIT SECTION
 N.T.S.



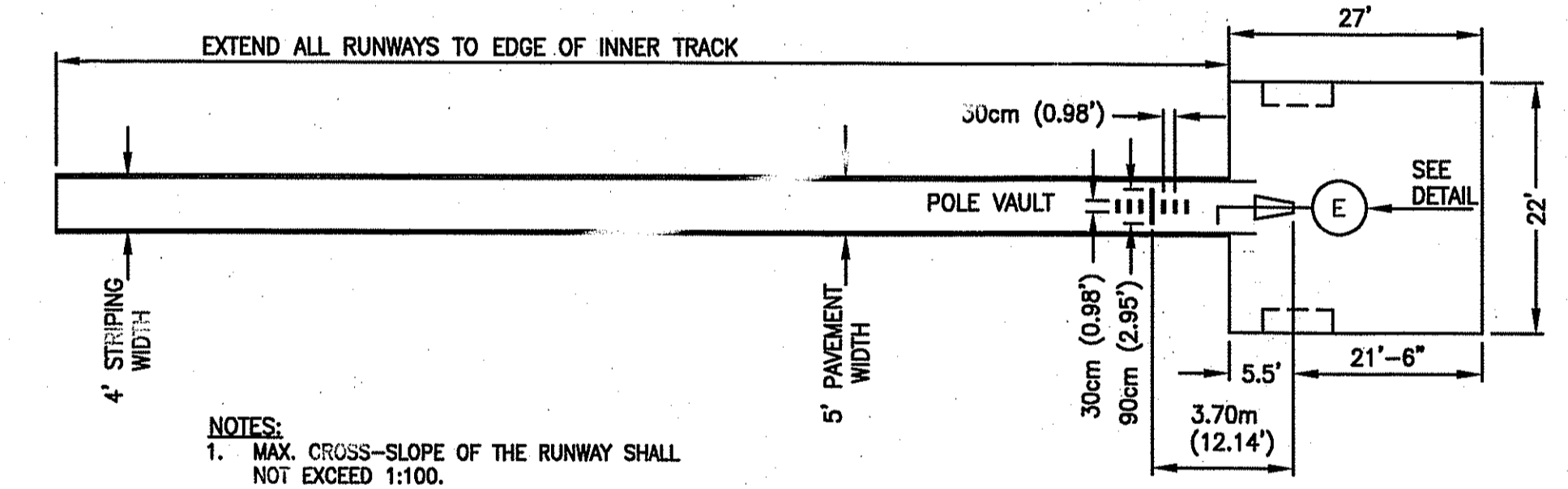
NOTE:
 SAND PIT SHALL BE JUMPFORM SP6020 WITH SAND CATCHERS AND COVER LEDGE ASSEMBLY AS MANUFACTURED BY SPORTSFIELD SPECIALTIES OR APPROVED EQUAL.

3Mx7M LAYOUT HIGH SCHOOL SAND PIT w/SAND CATCHERS
 N.T.S.



CONCRETE RADIUS MONUMENT
 N.T.S.

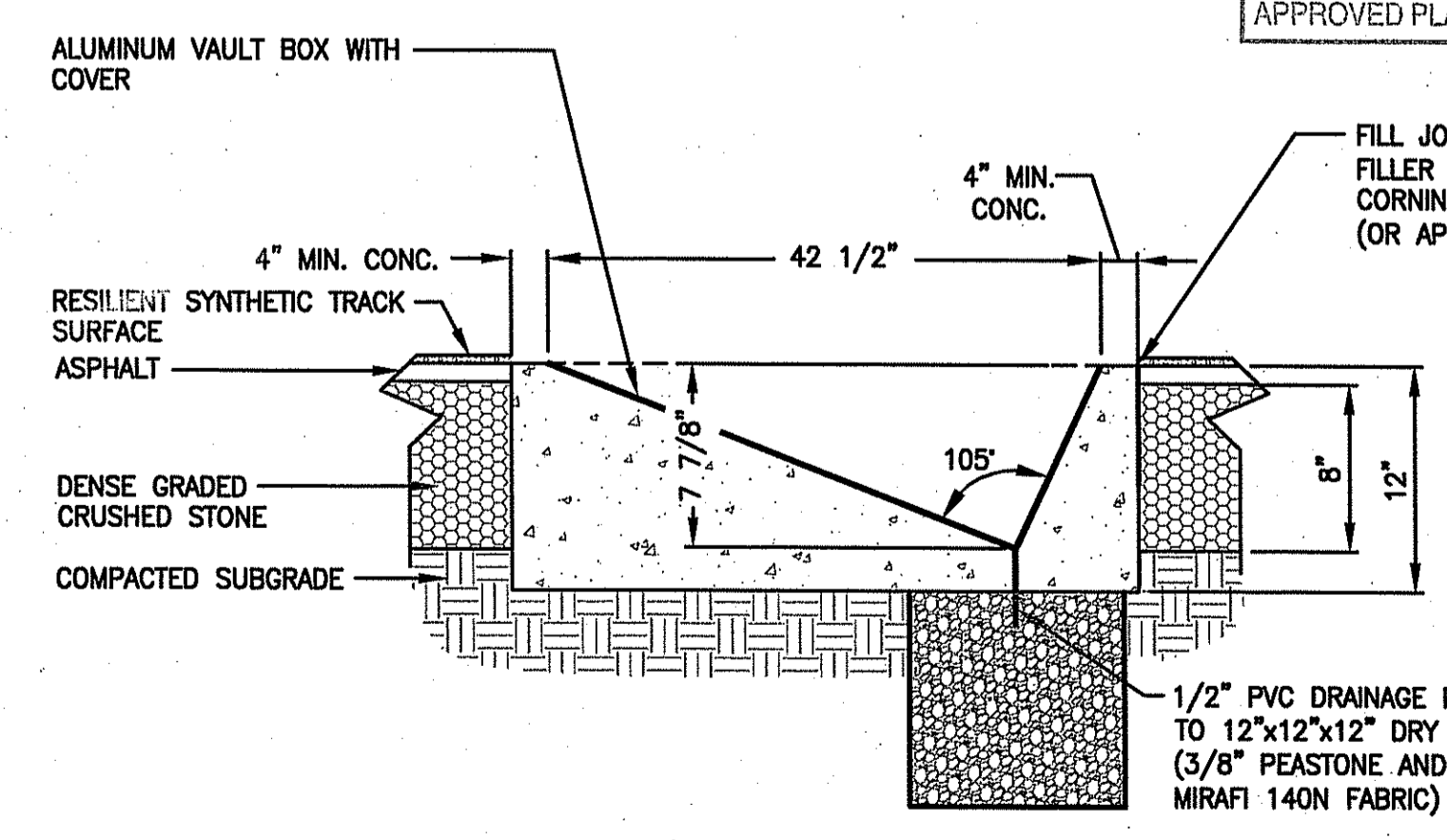
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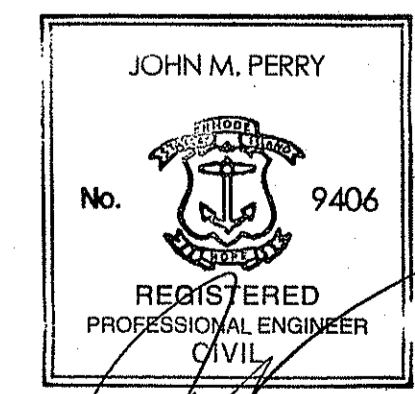
NOTES:
 1. MAX. CROSS-SLOPE OF THE RUNWAY SHALL NOT EXCEED 1:100.
 2. MAX. SLOPE OF THE RUNWAY IN THE RUNNING DIRECTION SHALL NOT EXCEED 1:1000.

POLE VAULT LAYOUT
 N.T.S.

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POLE VAULT LAYOUT (SECTION E)
 N.T.S.

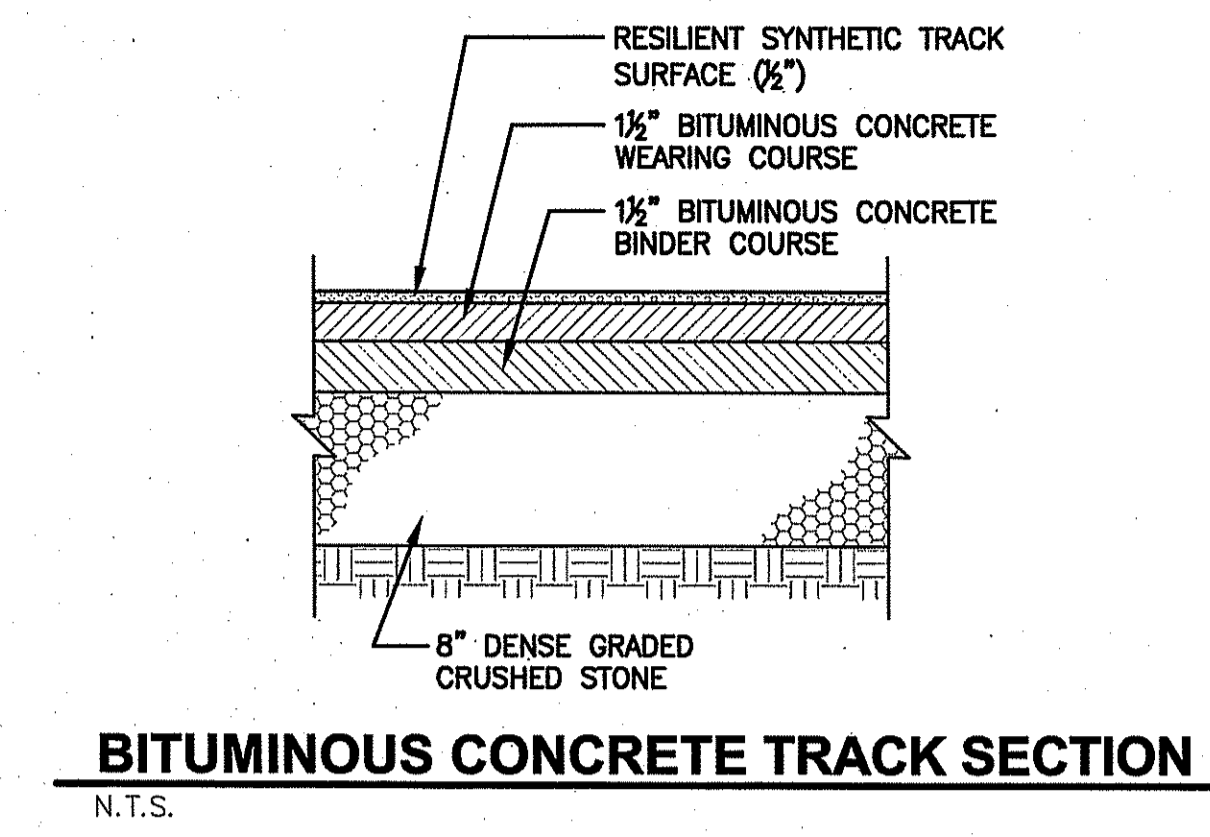
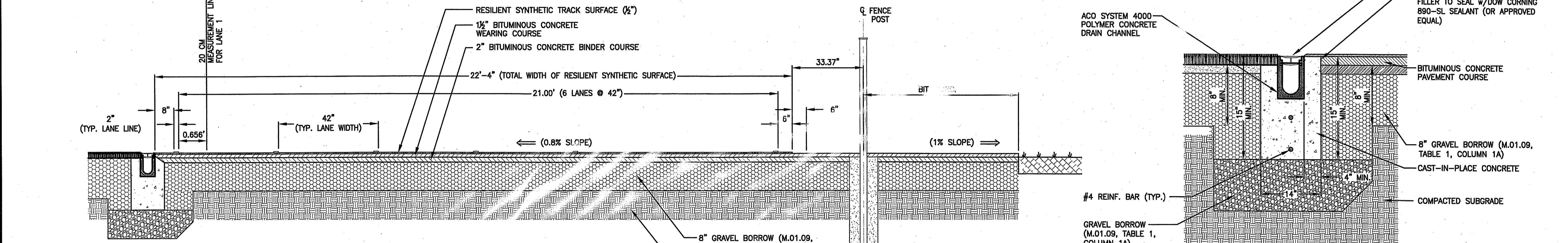
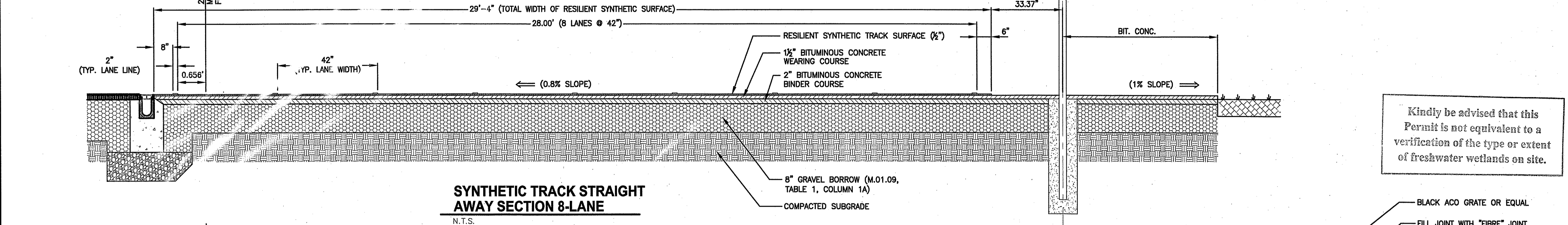
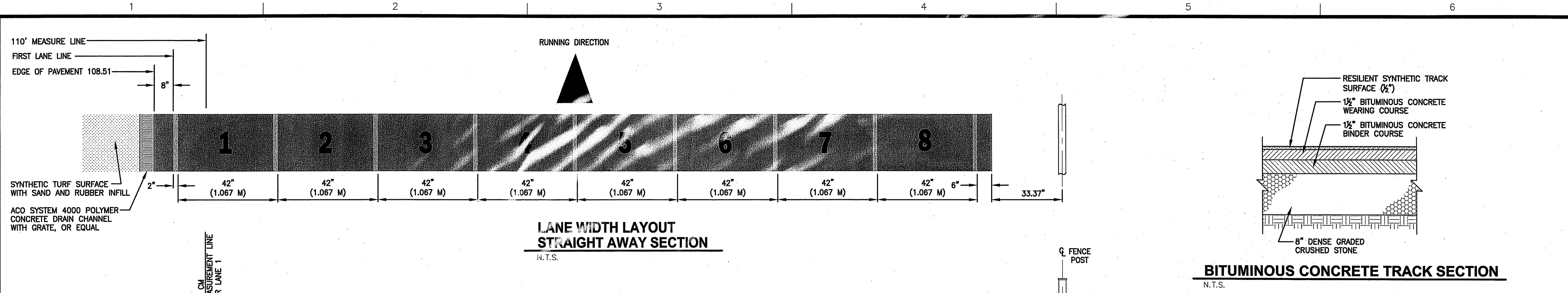


PERMIT SET

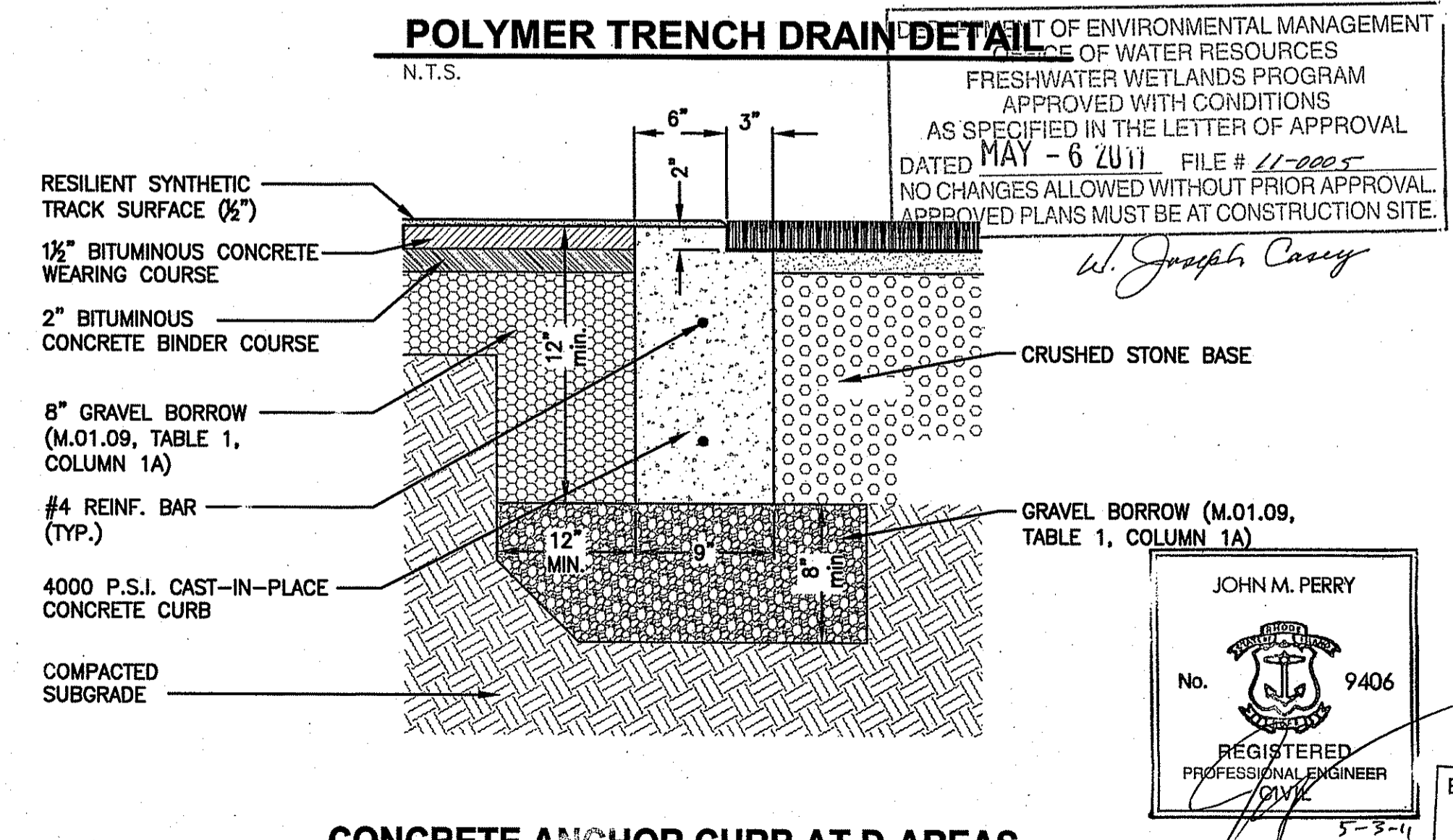
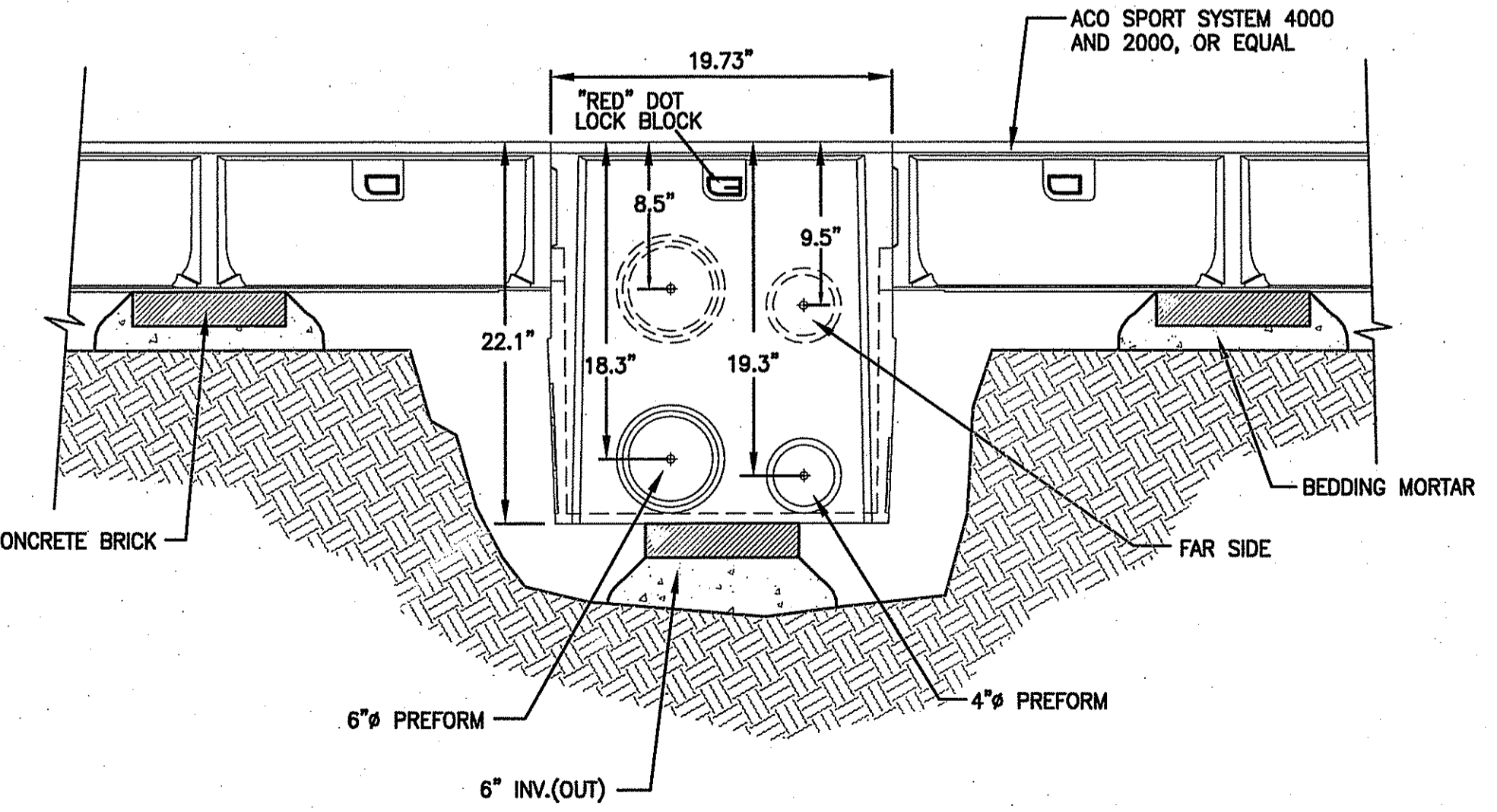
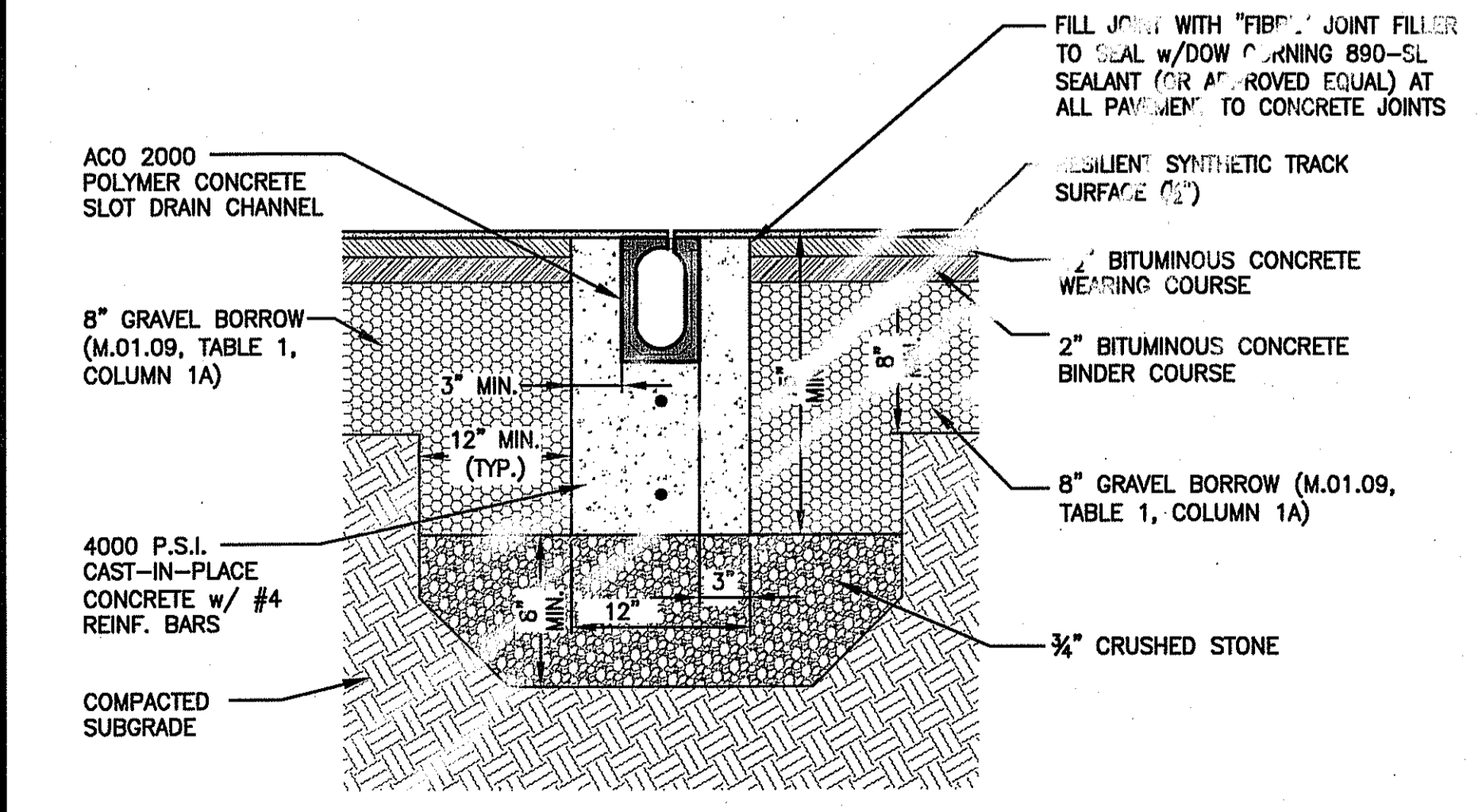
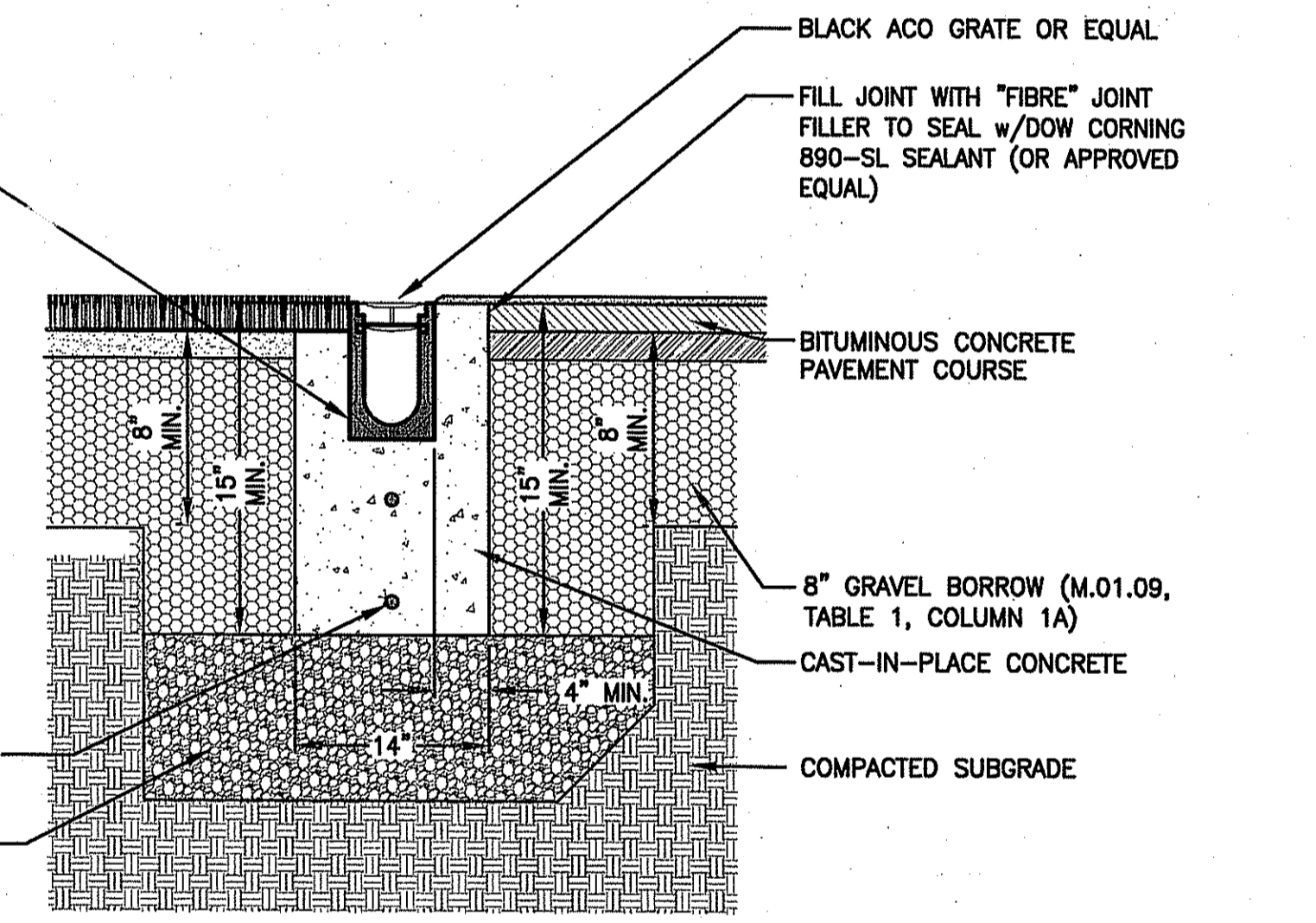


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W. Joseph Casey

JOHN M. PERRY
 No. 9406
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 5-3-11

PROJECT: JOHN P. CRONIN FIELDS ATHLETIC FIELD RENOVATION PROJECT
 CLIENT: LA SALLE ACADEMY 612 ACADEMY AVE. PROVIDENCE, RI 02908

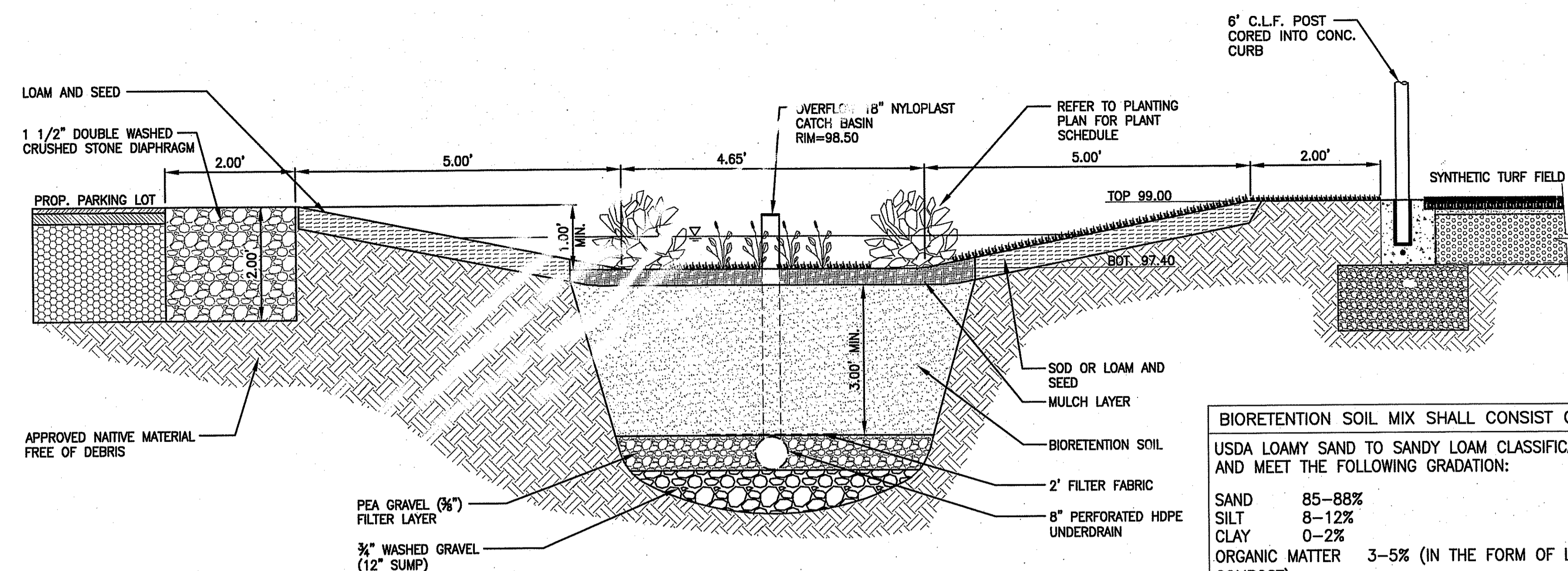
REVISIONS		
NO.	DATE	DESCRIPTION
1	3/31/11	RIDEM COMMENTS
2	5/3/11	APPROVAL SET

CADD FILE	714400_C12
DESIGNED BY	
DRAWN BY	WAH
CHECKED BY	JMP
DATE	JANUARY 14, 2011
DRAWING SCALE	N.T.S.
GRAPHIC SCALE	

SHEET TITLE: DETAIL SHEET 5 OF 8

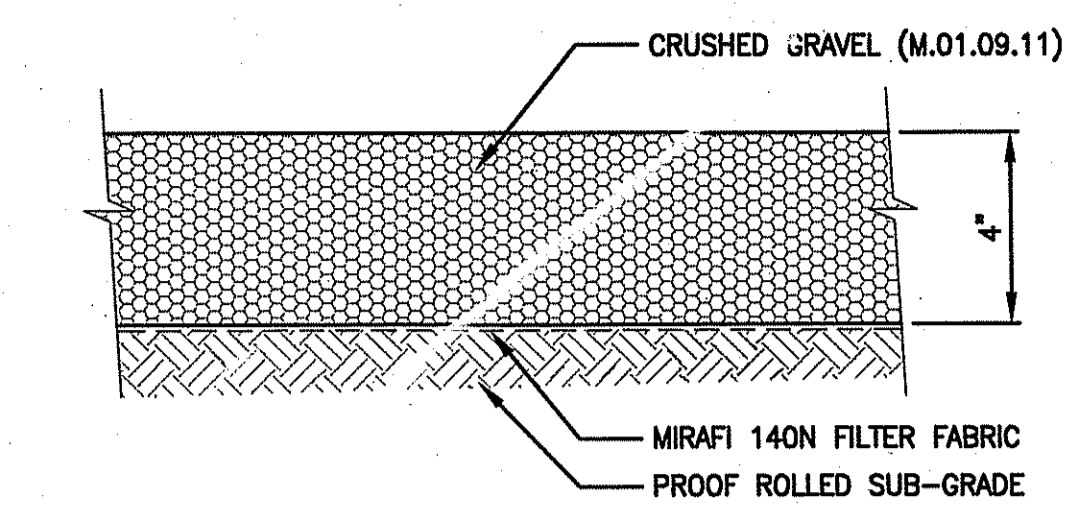
Environmental Management DRAWING NO. MAY - 5 2011 C-11 11 of 15 PROJECT NO. 714400

PERMIT SET



BIORETENTION SOIL MIX SHALL CONSIST OF
USDA LOAMY SAND TO SANDY LOAM CLASSIFICATION AND MEET THE FOLLOWING GRADATION:

SAND	85-88%
SILT	8-12%
CLAY	0-2%
ORGANIC MATTER	3-5% (IN THE FORM OF LEAF COMPOST)



GRAVEL AREA BELOW BLEACHERS
N.T.S.

FENCE HEIGHT	END & CORNER POSTS		LINE POSTS	
	NOMINAL HEIGHT	BAR LENGTH	HEIGHT ABOVE GRADE	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"

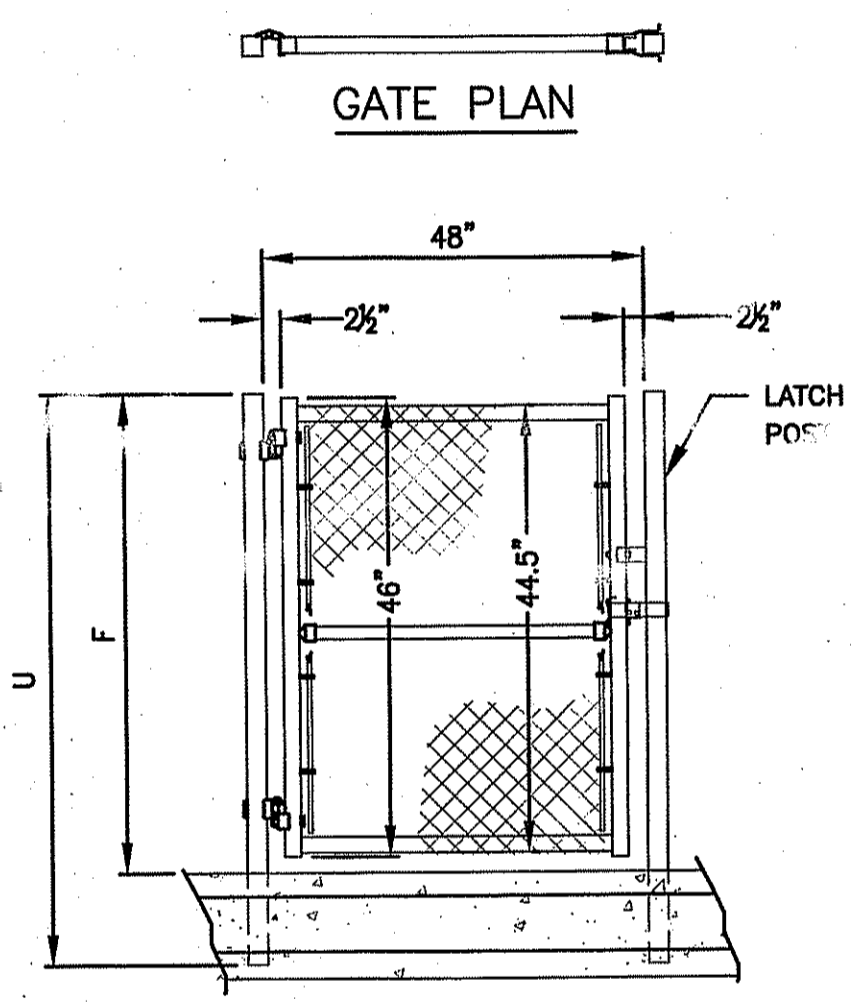
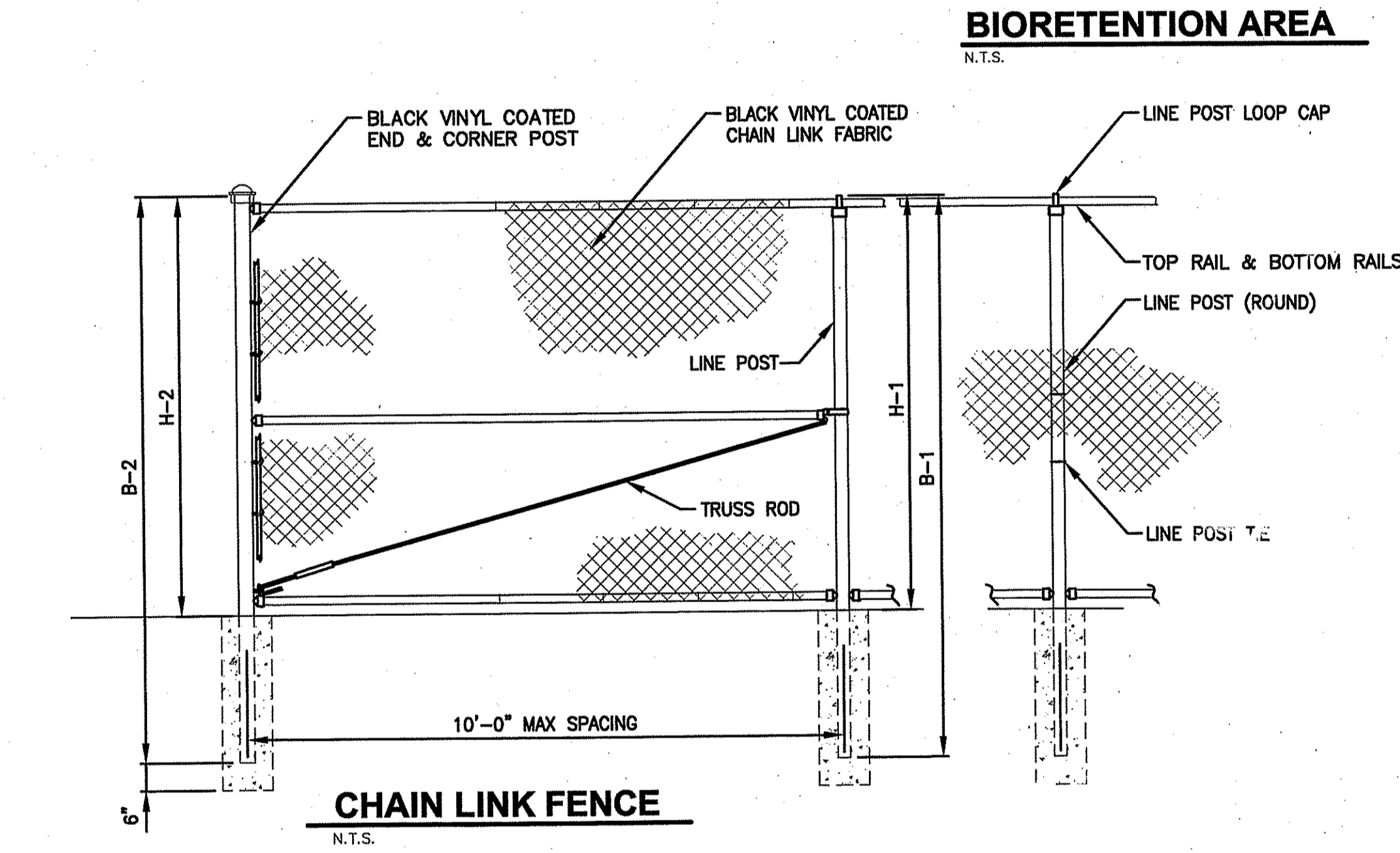
SINGLE OR DOUBLE LEAF GATES		
NOM HEIGHT (H)	UPRIGHT HT (U)	FRAME HT (F)
WITHOUT BARBED WIRE	ACTUAL DIM	ACTUAL DIM
4'-0"	3'-10"	3'-8 1/2"
6'-0"	5'-10"	5'-8 1/2"
8'-0"	7'-10"	7'-8 1/2"

- 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 BE PROVIDED AND MADE OF PRE-SLIT POLY TUBING 4 1/2" DIA., COLOR TO BE YELLOW.
 - ON TRACK FENCING TO RECEIVE WINDSCREEN, CONTRACTOR TO INCREASE DIAMETER OR FOOTING TO SIX (6) x THE POST DIAMETER.

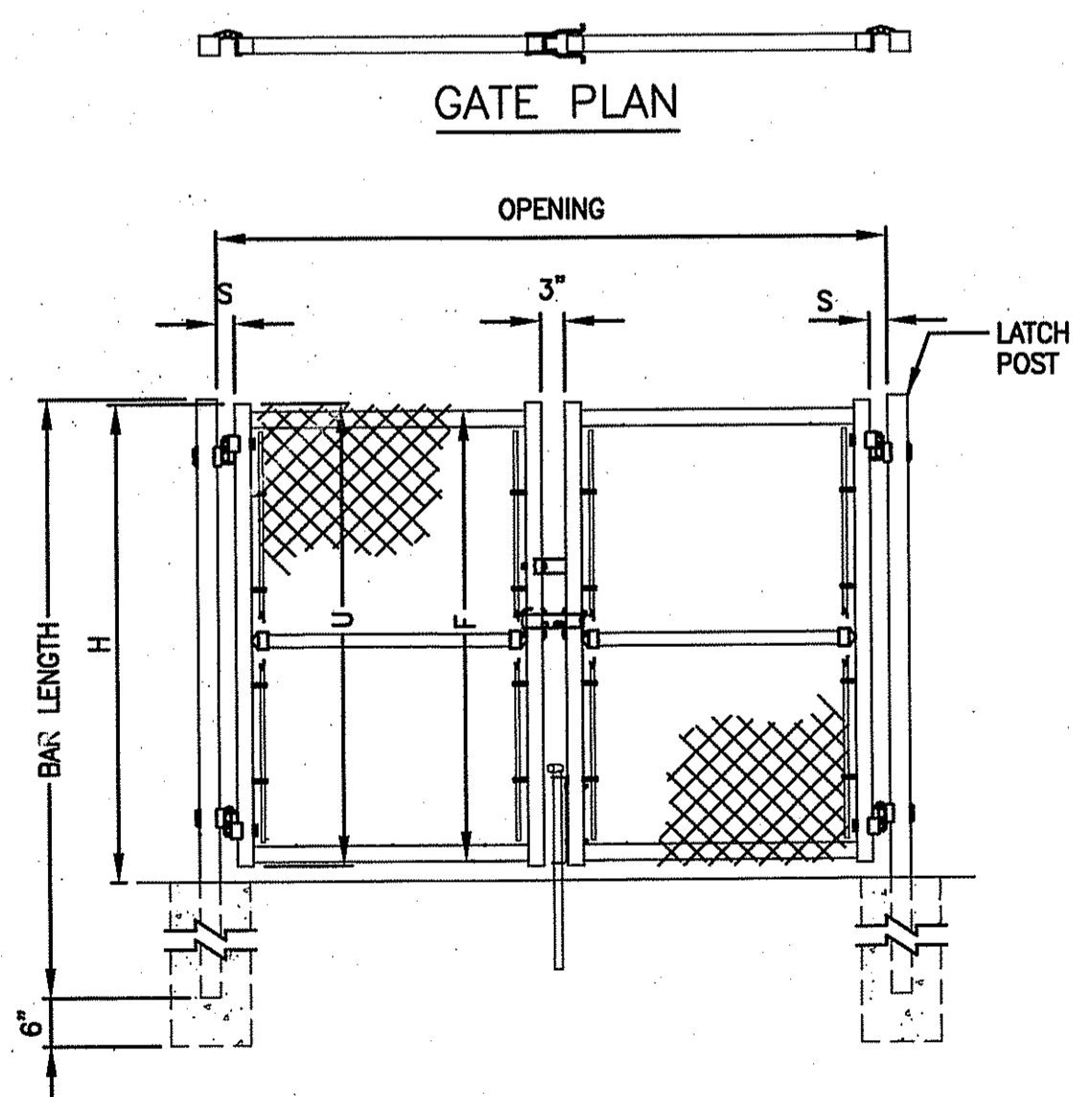
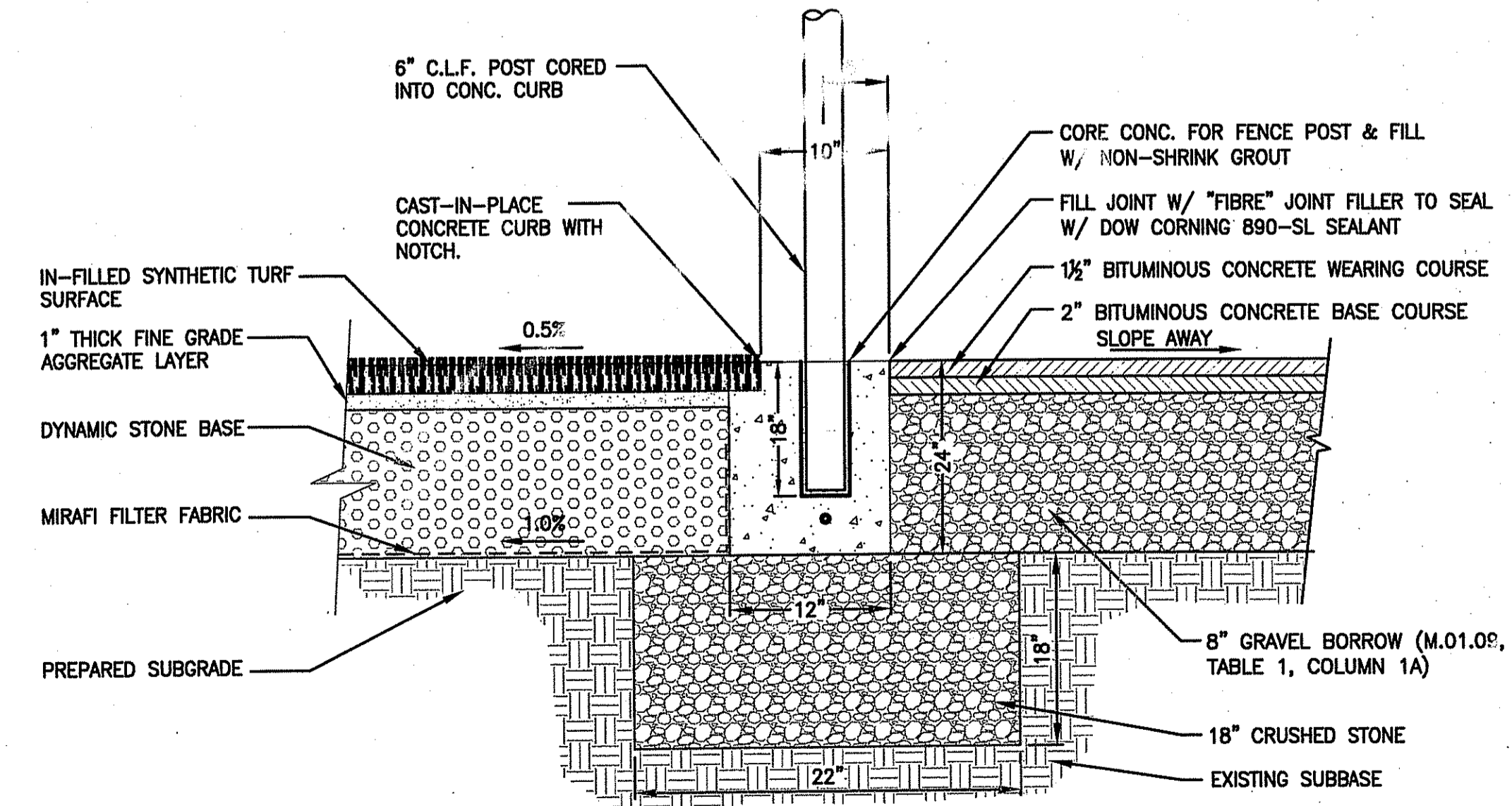
SINGLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (S)
FACE TO FACE	SQ & RND SIZES	POST TO UPRIGHT
3'-0" THROUGH 6'-0"	2 1/2" OR 3" OD	FOR SQUARE & ROUND GATE POSTS: 2 1/4" [57MM]

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]

CHAIN LINK FENCE & GATE NOTES
N.T.S.



SINGLE LEAF GATE DETAIL
N.T.S.



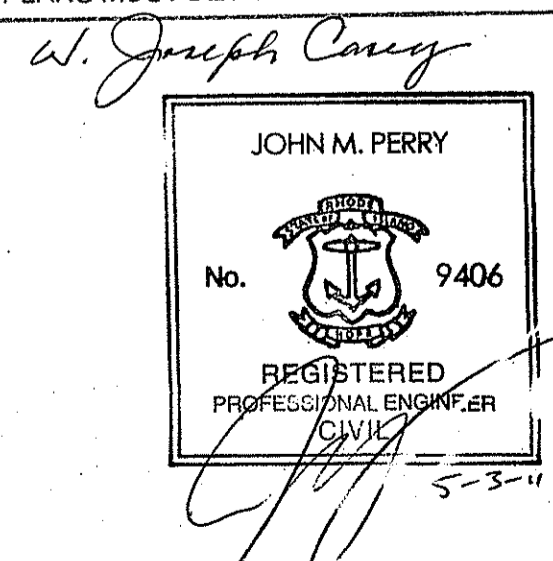
DOUBLE LEAF GATE DETAIL
N.T.S.

- NOTE:
- PROVIDE CONTROL JOINTS (PRE FORMED) AT 10' O.C. CONTROL JOINT TO BE 3/8" WIDE x 1/2" DEEP.
 - PROVIDE EXPANSION JOINTS AT 50' O.C.
 - CONCRETE SHALL BE 4,000 PSI MIX WITH A MAX AGGREGATE SIZE OF 3/4"

CONCRETE ANCHOR CURB w/6' C.L.F. AT BIT. CONC. WALKWAY (SIDELINES)
N.T.S.

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LA SALLE ACADEMY 612 ACADEMY AVE. PROVIDENCE, RHODE ISLAND 02908

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/31/11	RIDEM COMMENTS
2	5/3/11	APPROVAL SET

CADD FILE	714400_G13
DESIGNED BY	PS/NAC
DRAWN BY	WAH
CHECKED BY	JMP
DATE	JANUARY 14, 2011
DRAWING SCALE	N.T.S.

SHEET TITLE: DETAIL SHEET 6 OF 8

Environmental Management
MAY - 5 2011
Office of Water Resources
DRAWING NO. C-12
12 of 15
PROJECT NO. 714400





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PROJECT
**JOHN P. CRONIN FIELDS
ATHLETIC FIELD RENOVATION PROJECT
LA SALLE ACADEMY
PROVIDENCE, RHODE ISLAND**

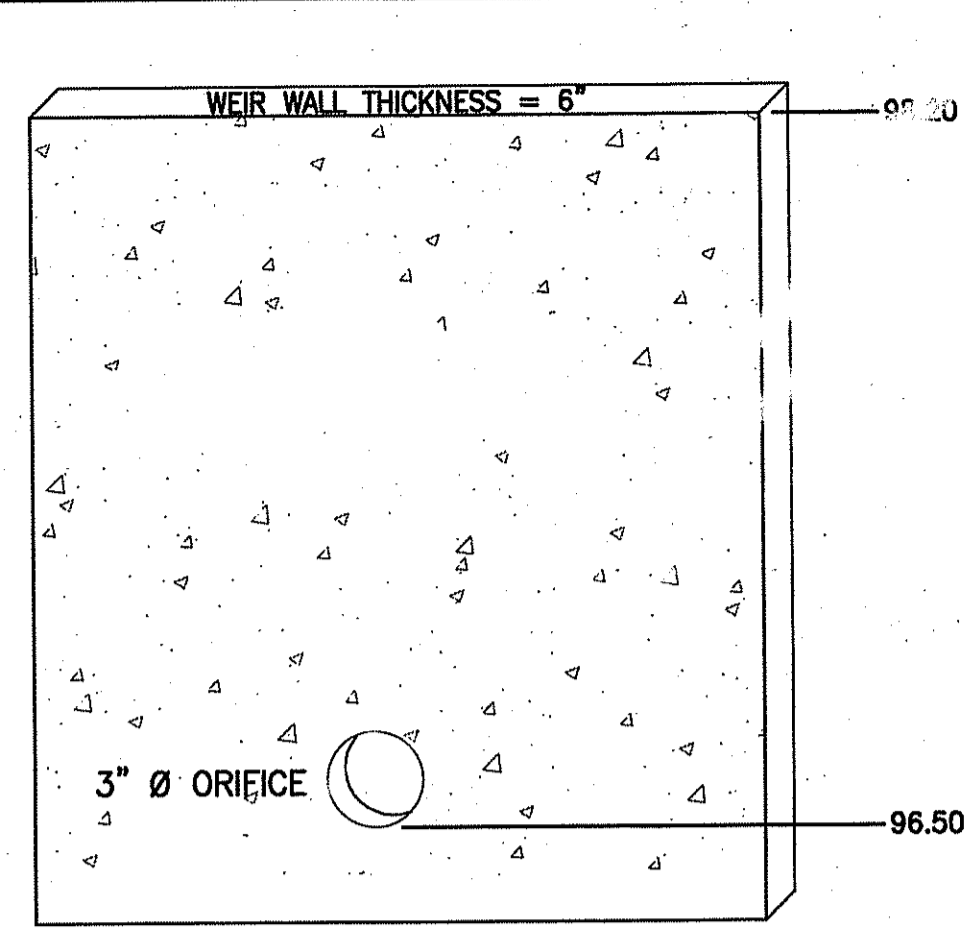
CLIENT
**LA SALLE ACADEMY
612 ACADEMY AVE.
PROVIDENCE, RI 02908**

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/31/11	RIDEM COMMENTS
2	4/27/11	RIDEM COMMENTS
3	5/3/11	APPROVAL SET

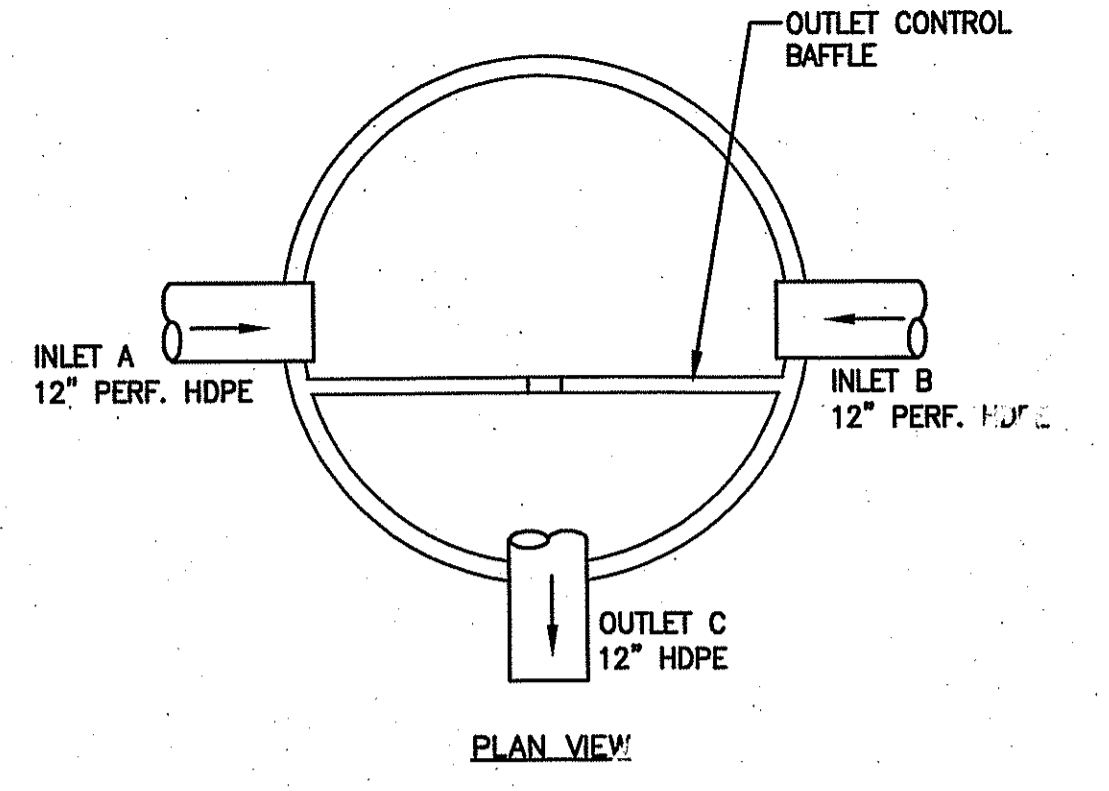
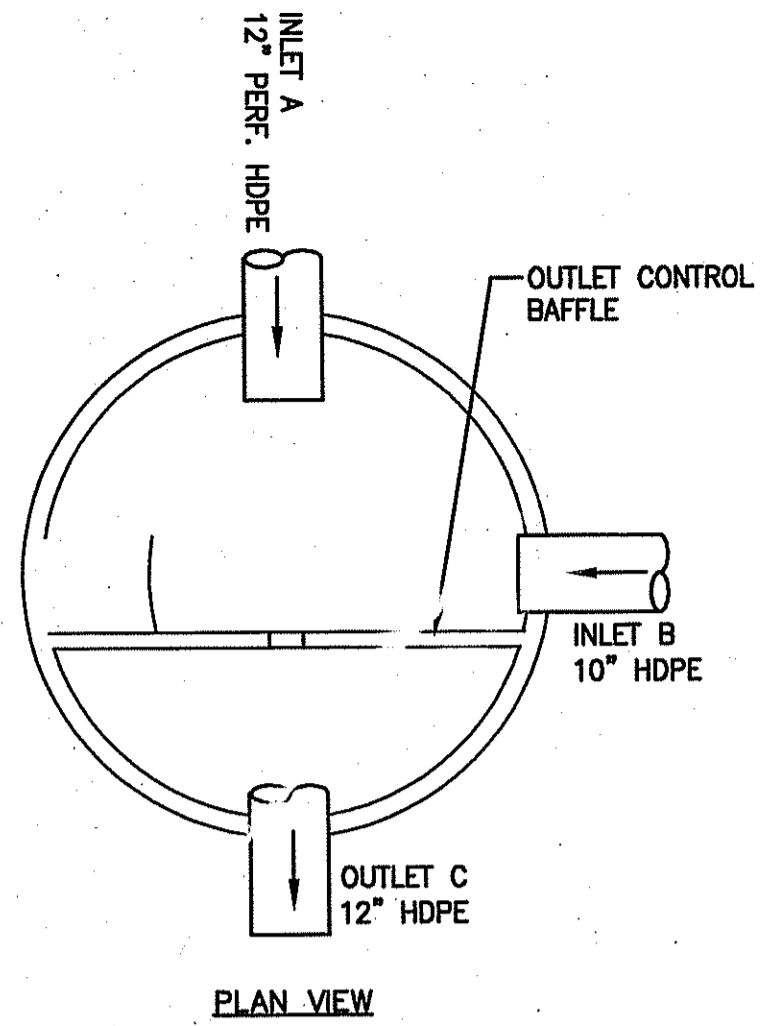
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DESIGNED BY	PS/NAC
DRAWN BY	WAH
CHECKED BY	JMP
DATE	JANUARY 14, 2011
DRAWING SCALE	N.T.S.
GRAPHIC SCALE	

SHEET TITLE
**DETAIL SHEET
7 OF 8**

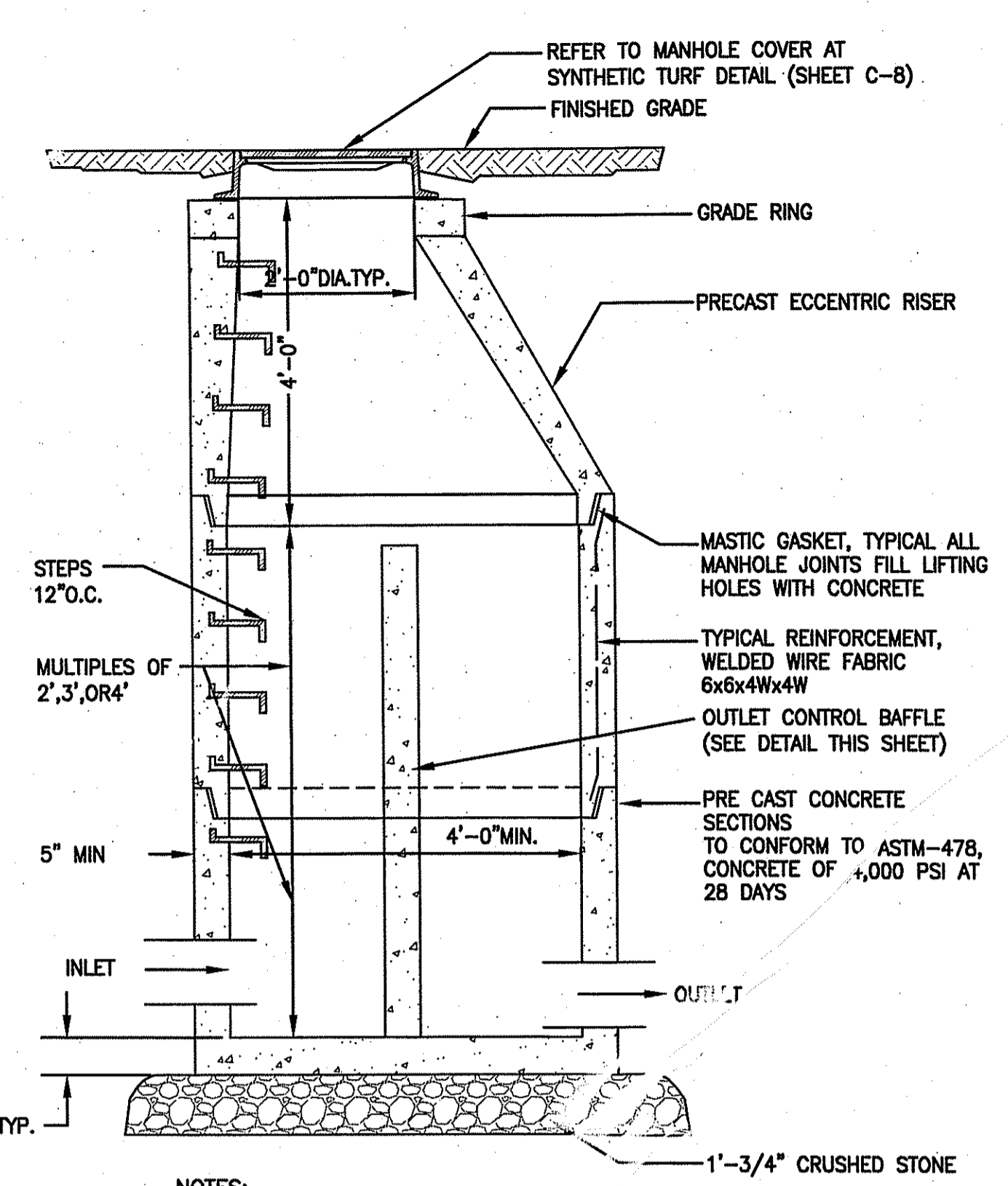
Environmental Management	DRAWING NO.
MAY - 5 2011	C-13
Office of Water Resources	13 of 15
	PROJECT NO. 714400



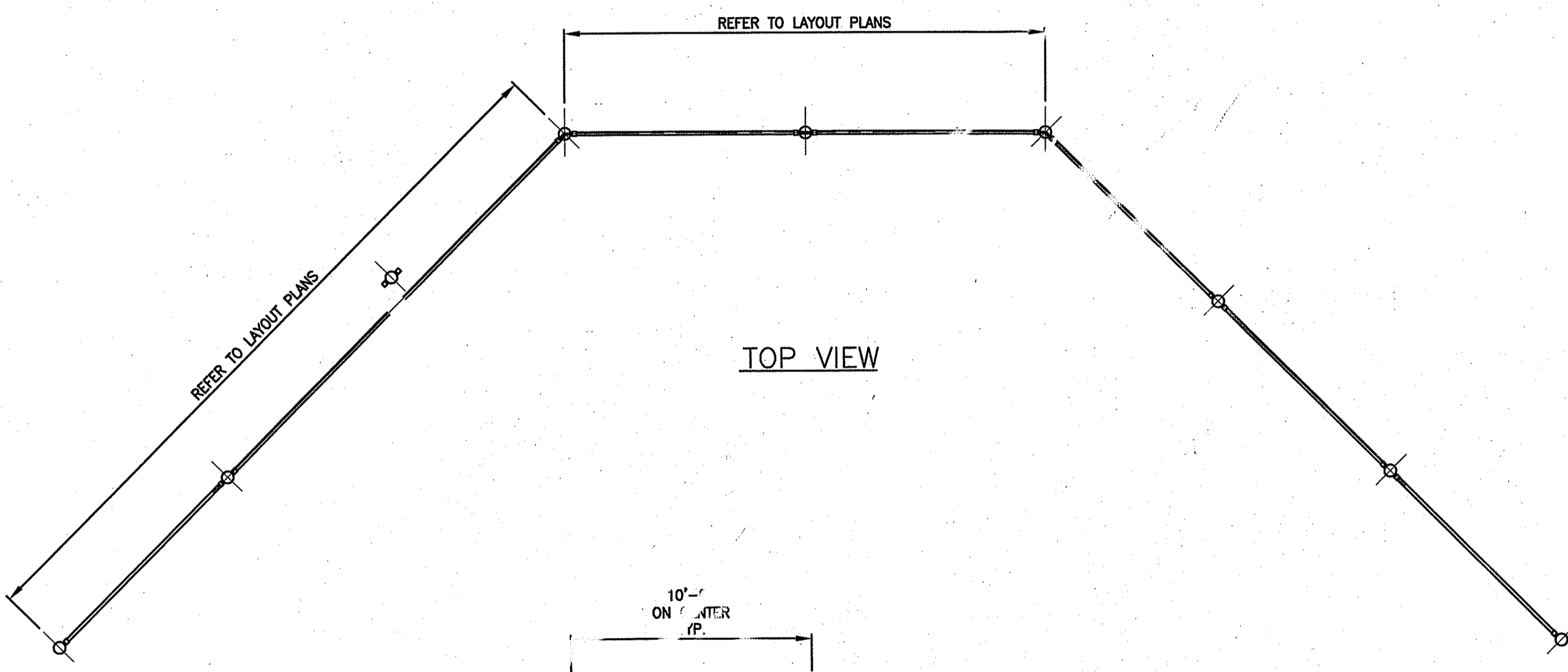
- NOTES:
1. BAFFLE TO BE SET INSIDE OUTLET CONTROL STRUCTURE MANHOLE SEE DETAIL, THIS SHEET.
 2. BAFFLE TO BE PRECAST WITH MANHOLE, THERE SHALL BE NO SEPARATION BETWEEN EDGE OF BAFFLE AND SIDE OF MANHOLE.
 3. BAFFLE TO BE CONSTRUCTED OF REINFORCED CONCRETE CONFORMING TO ASTM C478, STEEL REBAR PER ASTM A 185.



- NOTES:
1. BAFFLE TO BE SET INSIDE OUTLET CONTROL STRUCTURE MANHOLE SEE DETAIL, THIS SHEET.
 2. BAFFLE TO BE PRECAST WITH MANHOLE, THERE SHALL BE NO SEPARATION BETWEEN EDGE OF BAFFLE AND SIDE OF MANHOLE.
 3. BAFFLE TO BE CONSTRUCTED OF REINFORCED CONCRETE CONFORMING TO ASTM C478, STEEL REBAR PER ASTM A 185.

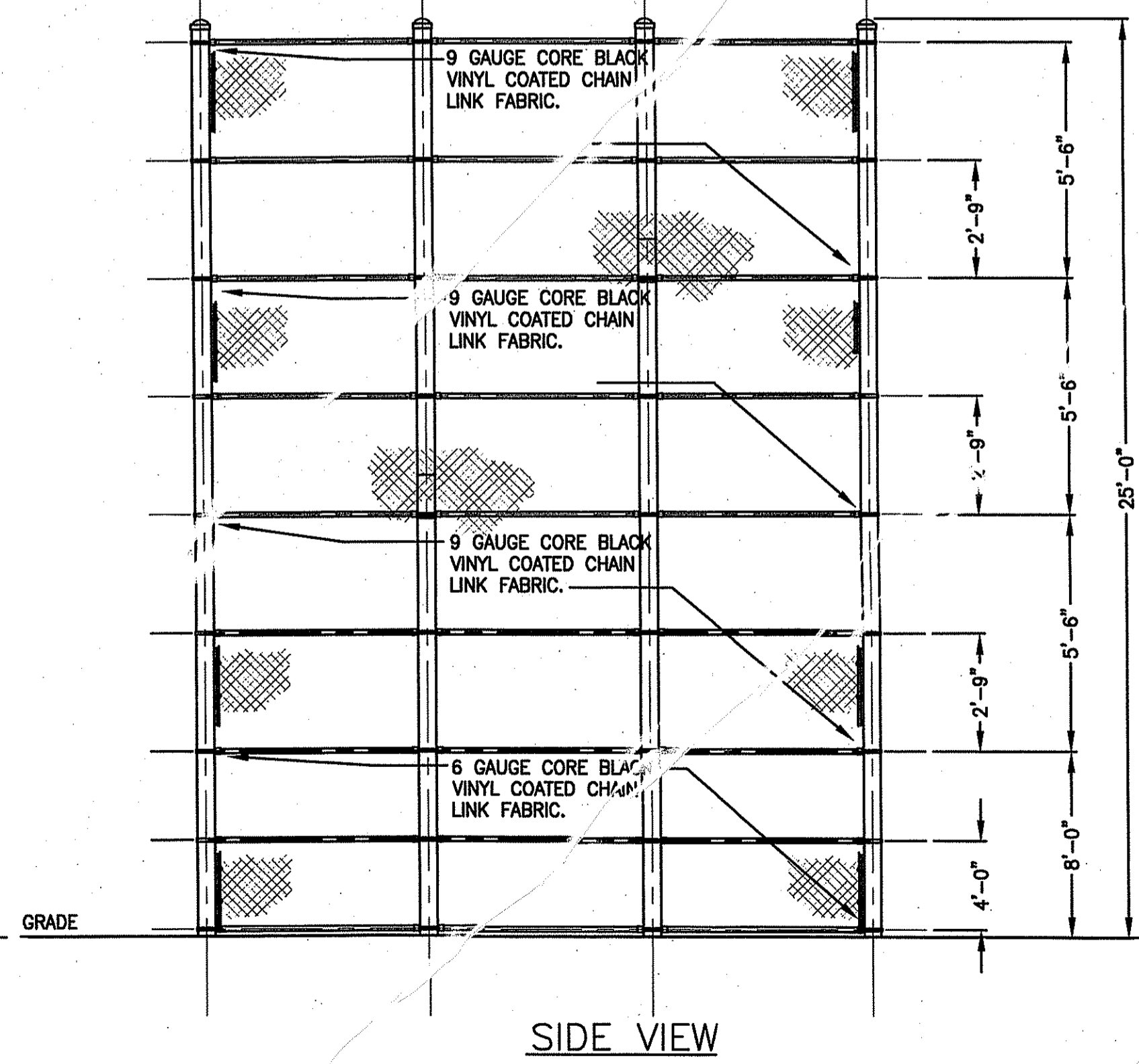
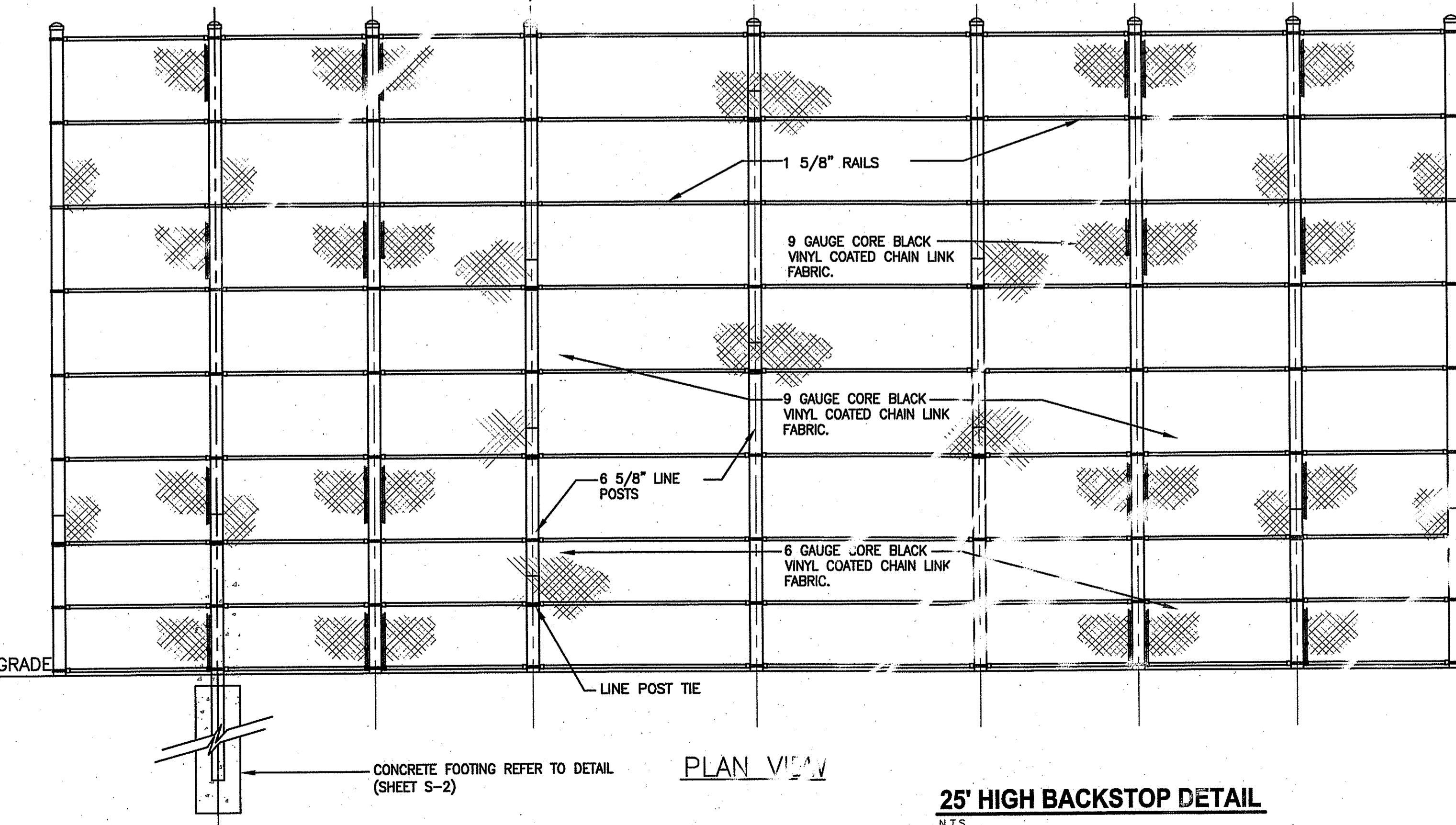


- NOTES:
1. REINFORCED STEEL CONFORMS TO LATEST A185 SPEC. 0.12 SQ. IN./LINEAL FT. (0.15 SQ. IN. FOR 6\"/>
 2. CONCRETE COMPRESSIVE STRENGTH-4000 PSI MIN.
 3. MANHOLE DESIGN CONFORMS TO LATEST ASTM C478 SPEC. FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS".
 4. JOINT SEALANT SHALL BE SYNTHETIC RUBBER GASKET THAT COMPLIES WITH ASTM C-478, SECTION C-361.
 5. BAFFLE SECTION SHALL BE ONE POUR MONOLITHIC.



OUTLET CONTROL BAFFLE (BASEBALL FIELD)

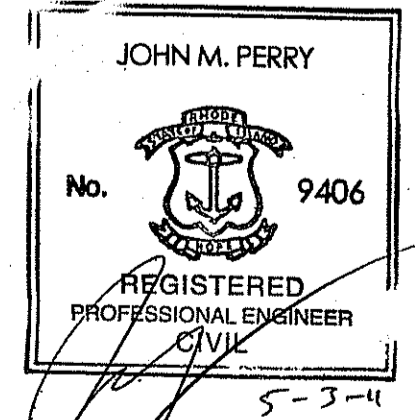
TYPICAL OUTLET CONTROL STRUCTURE



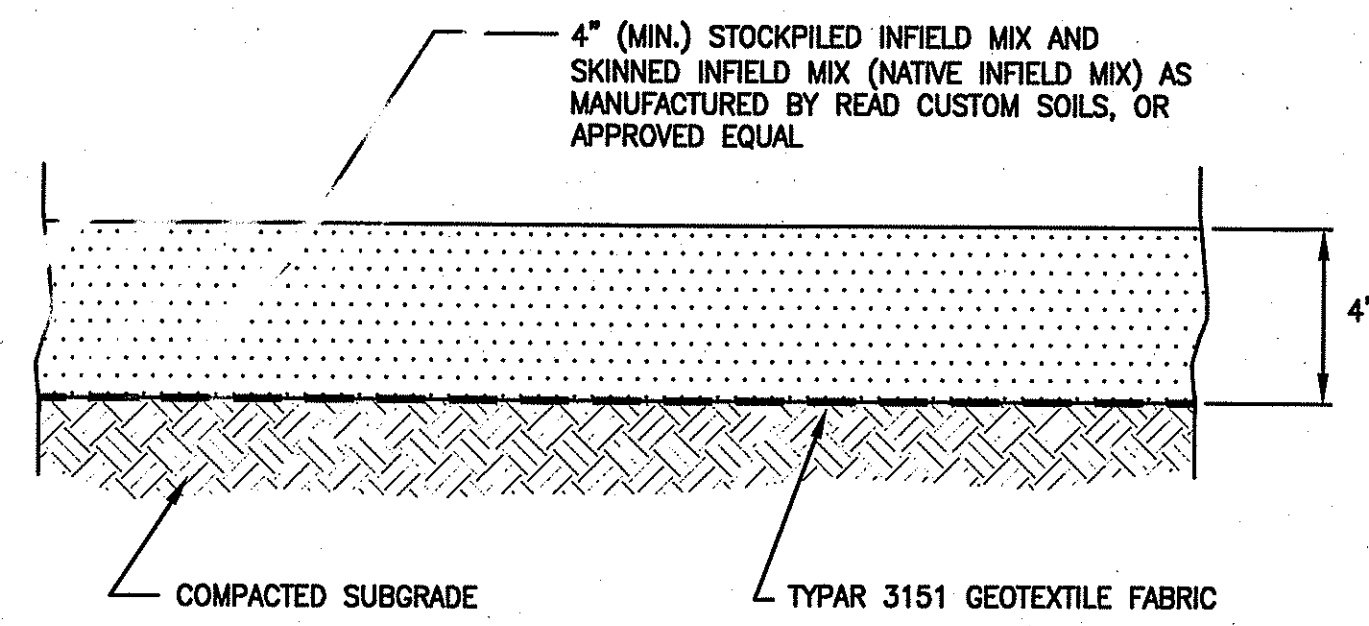
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED **MAY - 6 2011** FILE # **11-0005**
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

W. Joseph Carney



PERMIT SET

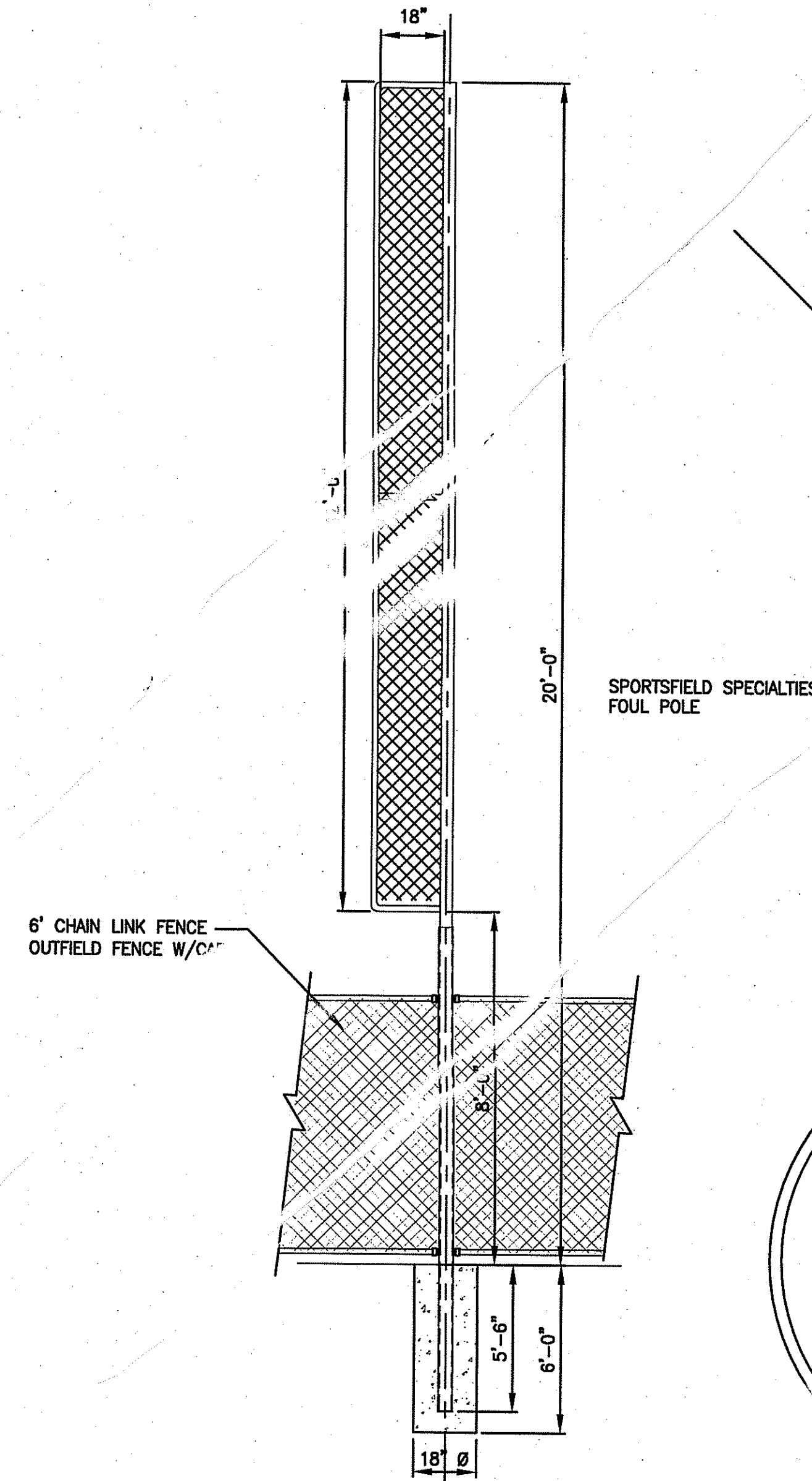


NOTE:

- CONTRACTOR TO INSTALL INFIELD MIX TO A DEPTH OF 6" AT EACH BASE, APPROXIMATELY 3" FROM EDGE OF BASE IN ALL DIRECTIONS.

BASEBALL INFIELD MIX DETAIL (HOMEPLATE)

N.T.S.

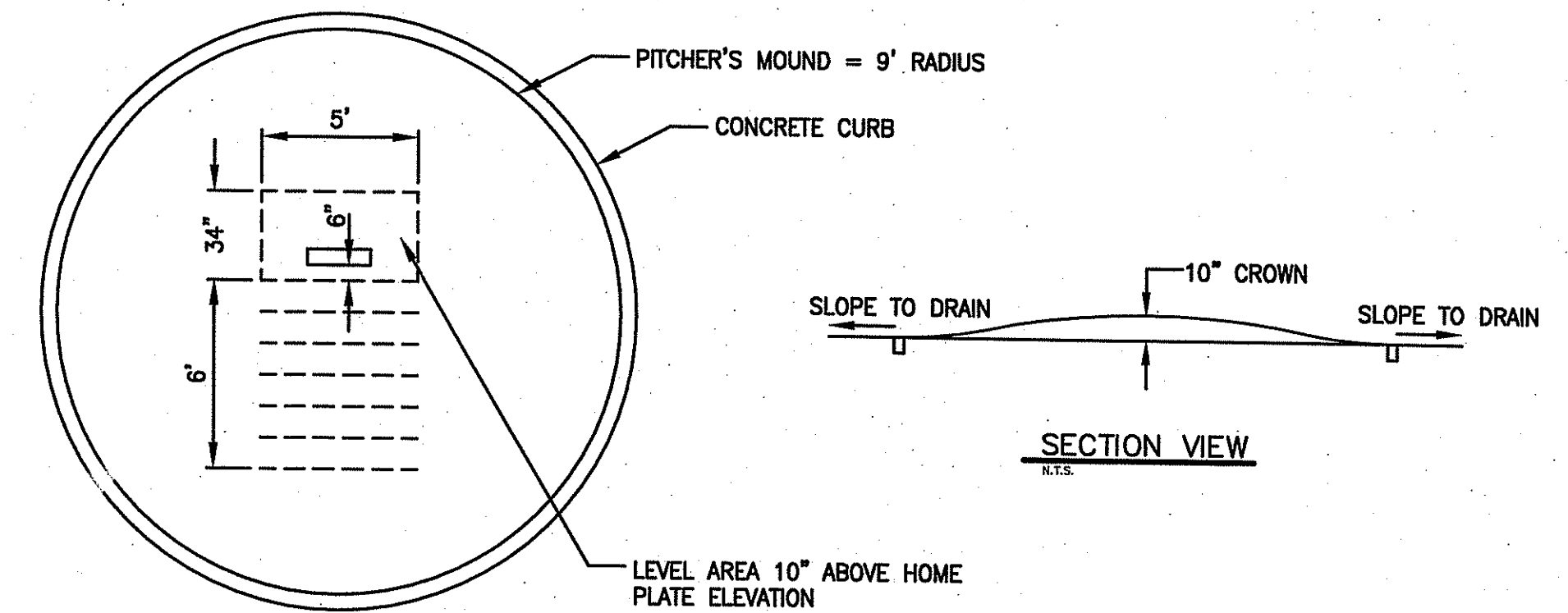


FOUL POLE DETAIL

N.T.S.

HOME PLATE/PITCHER'S MOUND LAYOUT (90' DIAMOND)

N.T.S.



PLAN VIEW

N.T.S.

SECTION VIEW

N.T.S.

THE DEGREE OF SLOPE FROM 6" IN FRONT OF THE PITCHER'S PLATE TO A POINT 6" TOWARDS HOME PLATE SHALL BE 1" TO 1', SLOPE SHALL BE UNIFORM

PITCHERS MOUND

N.T.S.

SYNTHETIC TURF SURFACE W/ 3/4" DEPTH INFILL MATERIAL SECURE SYNTHETIC TURF TO NAILER PER MANUFACTURER'S RECOMMENDATIONS

FINISH GRADE AT TOP OF INFILL MATERIAL

WRAP SYNTHETIC TURF OVER NAILER 4" MIN.

COVER TOP OF RUBBER SEPARATOR PAD W/ APPROX. 1/2" OF INFIELD SOIL TO MEET GRADE OF INFILL.

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12" BASE STONE, COMPACT TO 95%

2"

INFIELD SOIL AT PITCHER'S MOUND

ATTACH 3/4" RUBBER SEPARATOR PAD TO TURF BACKING, EXTEND 1/4" ABOVE CURB

12"x18" CONCRETE CURB FC = 3000 PSI

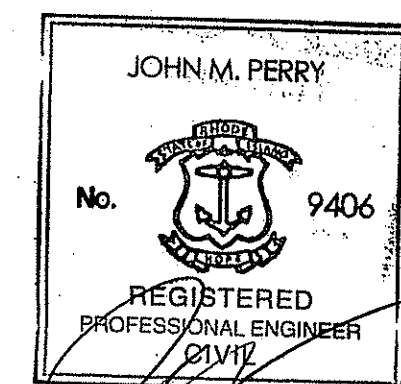
#4 CONTINUOUS TOP AND BOTTOM (TYP)

SYNTH. TURF EDGE AT BEAM CLAY INTERFACE

N.T.S.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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W. Joseph Conroy



PERMIT SET

Environmental Management DRAWING NO.

MAY - 5 2011

Office of Water Resources

C-14
14 of 15

PROJECT NO. 714400



Gale Associates, Inc.
Engineers and Planners

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Boston Baltimore Orlando San Francisco

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PROJECT	CLIENT
JOHN P. CRONIN FIELDS ATHLETIC FIELD RENOVATION PROJECT	LA SALLE ACADEMY 612 ACADEMY AVE. PROVIDENCE, RI 02908

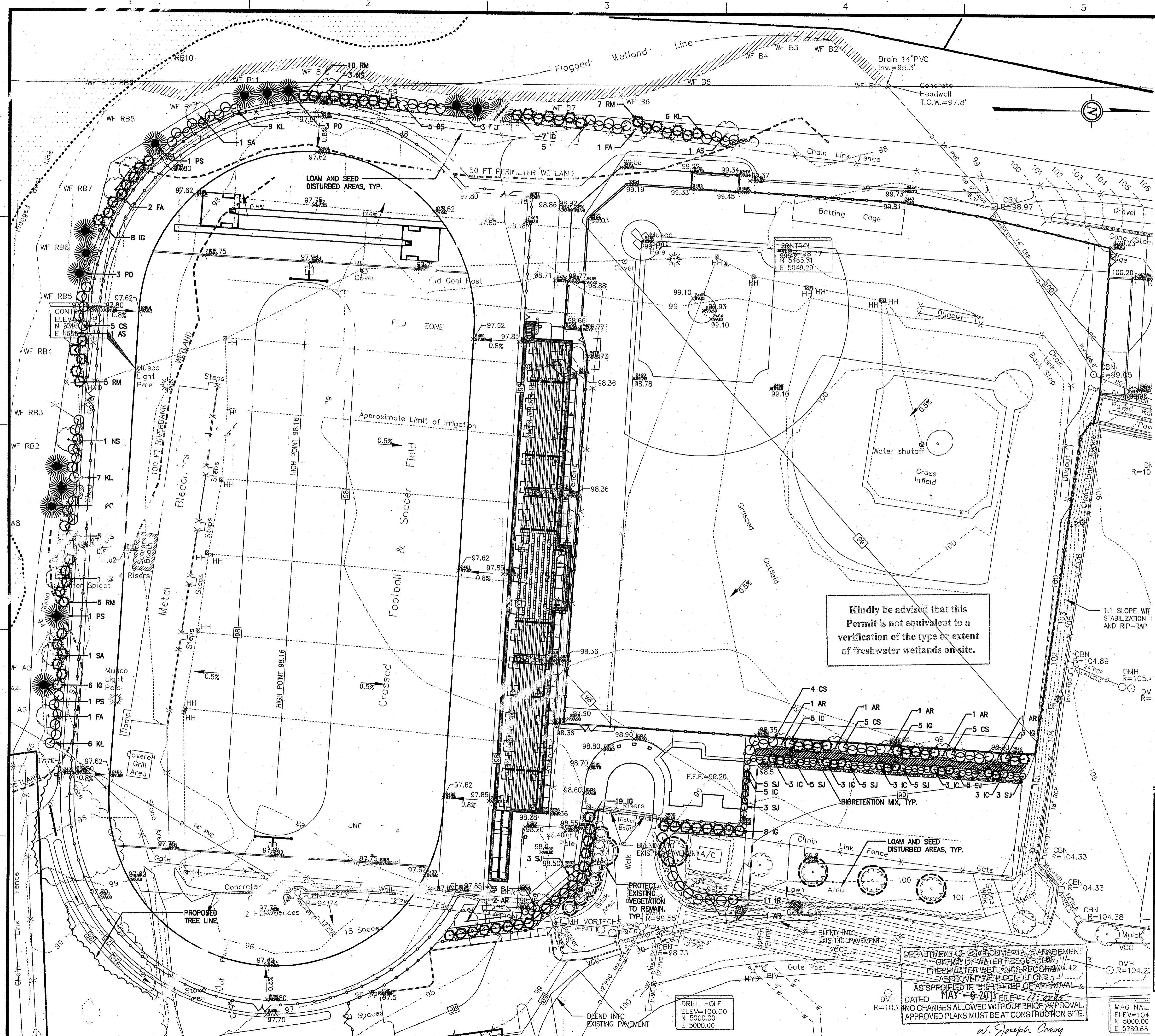
REVISIONS		
NO.	DATE	DESCRIPTION
1	3/31/11	RIDEM COMMENTS
2	5/3/11	APPROVAL SET

CADD FILE	714400_C15
DESIGNED BY	PS/NAC
DRAWN BY	WAH
CHECKED BY	JMP
DATE	JANUARY 14, 2011
DRAWING SCALE	N.T.S.

GRAPHIC SCALE

SHEET TITLE

DETAIL SHEET
8 OF 8



PLANTING NOTES

- EXISTING CONDITIONS INFORMATION IS REPRODUCED FROM THE SURVEY PREPARED BY ROMANELLI ASSOCIATES INC. PROFESSIONAL LAND SURVEYORS.
- THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ARE BASED ON THE SURVEY REFERENCED ABOVE. THE CONTRACTOR SHALL CONTACT DIGSAFE OF RHODE ISLAND AND THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANIES TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
- CONTRACTOR SHALL BEGIN MAINTENANCE IMMEDIATELY AFTER PLANTING AND WILL CONTINUE UNTIL FINAL WRITTEN ACCEPTANCE OF PLANT MATERIAL.
- CONTRACTOR SHALL VERIFY ALL TREE REMOVALS WITH LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION START.
- CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDING FOUNDATIONS, STRUCTURES, AND PLANTING BEDS.
- MAXIMUM SLOPE WITHIN DISTURBED AREAS SHALL NOT EXCEED 3:1, UNLESS OTHERWISE NOTED.
- THE LANDSCAPE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE ALL PLANTINGS SHOWN ON THIS DRAWING.
- ALL MATERIALS SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.
- ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISH GRADE AS TO ORIGINAL GRADES BEFORE DIGGING.
- ALL PLANTS TO BE BALLED IN BURLAP OR CONTAINERIZED.
- MULCH FOR PLANTED AREAS TO BE AGED PINE BARK, PARTIALLY DECOMPOSED, DARK BROWN IN COLOR AND FREE OF WOOD CHIPS THICKER THAN 1/4 INCH.
- PLANTING SOIL MIX: LOAM THOROUGHLY INCORPORATED WITH ROTTED MANURE, PROPORTIONED 5 CY. TO 1 CY. OR EQUIVALENT. FERTILIZER ADDED PER RECOMMENDED RATES OF SOILS ANALYSIS.
- THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIALS FOR ONE (1) FULL YEAR FROM DATE OF ACCEPTANCE.
- ALL PLANT MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT, AT THE NURSERY, AND AT THE SITE.
- ALL AREAS OF THE SITE WHICH HAVE BEEN DISTURBED AND NOT OTHERWISE DEVELOPED SHALL BE LOAMED AND SEEDDED WITH A MINIMUM DEPTH OF 6\"/>



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PROJECT: JOHN P. CRONIN FIELDS ATHLETIC FIELD RENOVATION PROJECT
CLIENT: LA SALLE ACADEMY
LA SALLE ACADEMY
612 ACADEMY AVE.
PROVIDENCE, RI 02908

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/31/11	RIDEM COMMENTS
2	5/3/11	APPROVAL SET

CADD FILE	714400L1
DESIGNED BY	JJC
DRAWN BY	JJC
CHECKED BY	JMP
DATE	JANUARY 14, 2011
DRAWING SCALE	1"=30'-0"

GRAPHIC SCALE	
0	30' 60'

SHEET TITLE

PLANTING PLAN
DRAWING NO. MAY - 5 2011 L-1 15 of 15
PROJECT NO. 714400

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PLANT LEGEND

	DECIDUOUS TREES		BIORETENTION MIX (FACM WETLAND MEADOW MIX ERNMX-122)
	EVERGREEN TREES		LOAM & SEED
	SHRUB		VEGETATION TO REMAIN AND BE PROTECTED

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY	SIZE
DECIDUOUS TREES				
AR	ACER RUBRUM 'OCTOBER GLORY'	RED MAPLE	8	2.5-3" CA
AS	ACER SACCHARINUM	SILVER MAPLE	12	2.5-3" CA
FA	FRAXINUS AMERICANA	WHITE ASH	4	2.5-3" CA
NS	NYSSA SYLVATICA	BLACK TUPELO	4	2.5-3" CA
SA	SORBUS AMERICANA	AMERICAN MOUNTAIN ASH	2	2.5-3" CA
EVERGREEN TREES				
PO	PICEA ORIENTALIS	ORIENTAL SPRUCE	12	6'-8' HT.
PS	PINUS STROBUS	WHITE PINE	3	6'-8' HT.
SHRUBS				
CS	CORNUS SERICEA	REDOSIER DOGWOOD	29	24-30" H
IC	ILEX GLABRA 'COMPACTA'	COMPACT INKBERRY	20	24-30" H
IG	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY	61	24-30" H
IR	ILEX CRENATA	JAPANESE HOLLY	11	24-30" H
KL	KALMIA ANGUSTIFOLIA	SHEEP LAUREL	31	24-30" H
RM	RHODODENDRON MAXIMUM	ROSEBAY RHODODENDRON	27	24-30" H
SJ	SKIMMIA JAPONICA	JAPANESE SKIMMIA	37	12-24" H

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS REGULATION
CASE COVERED BY PERMIT NO. 42
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY - 6 2011 FILE # 11-1285
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

PERMIT SET

MAG NAIL
ELEV=104
N 5000.00
E 5280.68

DRILL HOLE
ELEV=100.00
N 5000.00
E 5000.00

w. Joseph Carey