

BO7.15.30 COVER\_10-24-08\_R2.dwg (DISK: Z-1041)

# CONSTRUCTION PLANS

FOR

# *EAST GREENWICH HIGH SCHOOL ATHLETIC FIELD IMPROVEMENTS*

## *PHASE I*

ASSESSOR'S PLAT 11,  
LOTS 11, 13 and 393

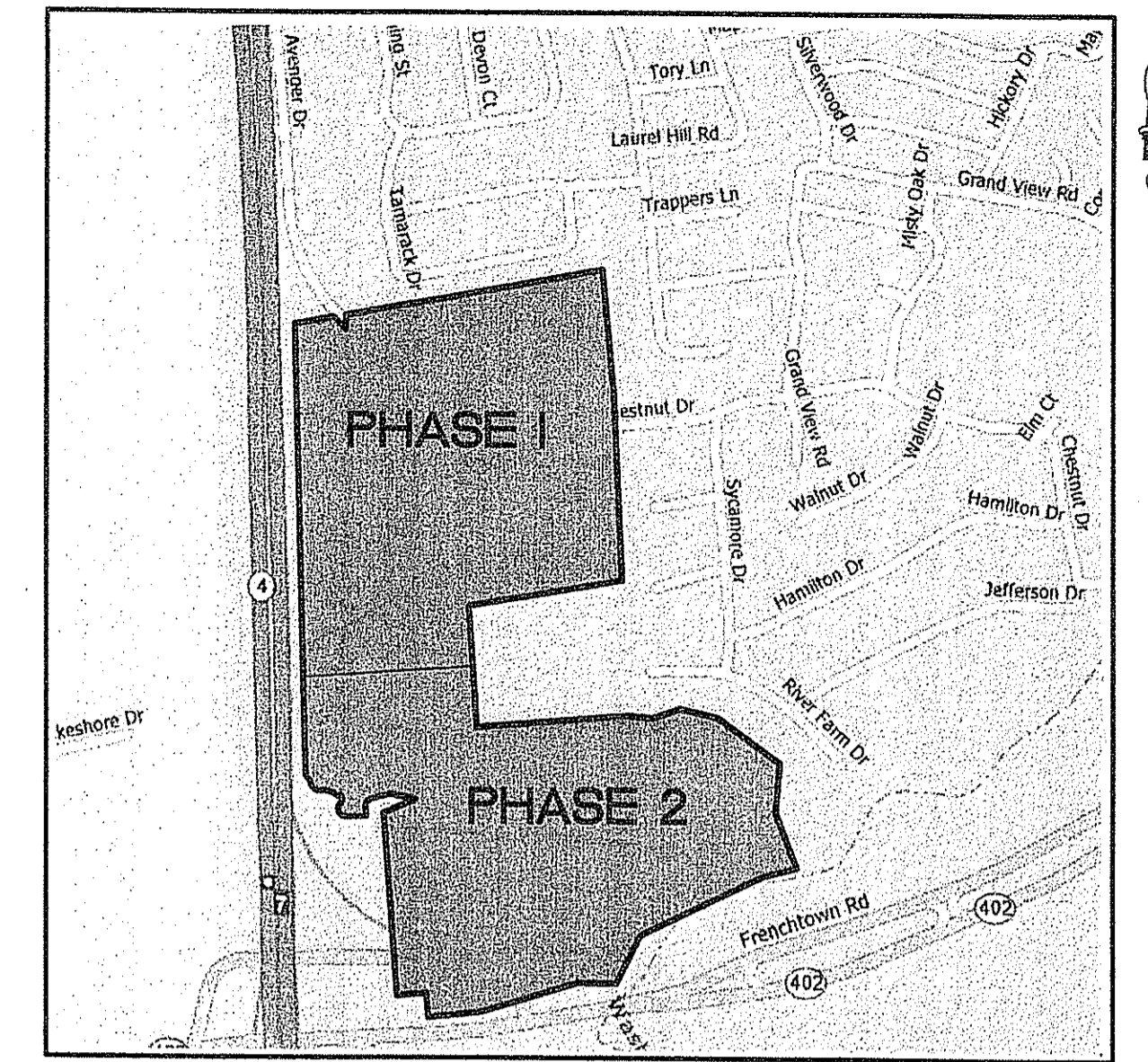
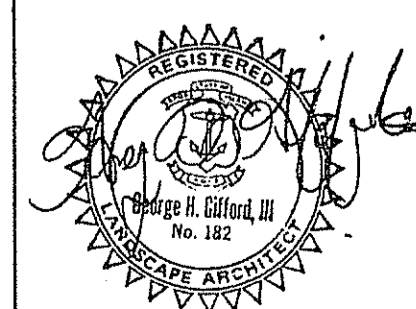
Avenger Drive  
East Greenwich, Rhode Island

PREPARED FOR

# EAST GREENWICH PUBLIC SCHOOLS

OCTOBER, 2008  
REV: APRIL, 2009  
REV: JUNE, 2009

THE GIFFORD  
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LANDSCAPE ARCHITECTURE  
ENVIRONMENTAL PLANNING  
4096 MENDON ROAD, CLIMBERLAND, RHODE ISLAND 02864  
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LOCATION MAP  
NOT TO SCALE

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DEVELOPER'S COPY  
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FRESHWATER WETLANDS DIVISION  
APPROVED WITH CONDITIONS  
AUG 21 2009  
DATED AUG 21 2009 FILE # 09-0092  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
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Charles A. Hurd

PREPARED BY

CIVIL ENGINEERS  
JOHN P. CAITO  
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02893-2382  
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FAX: 401-615-8606

JOHN P. CAITO  
No. 4398  
REGISTERED PROFESSIONAL ENGINEER

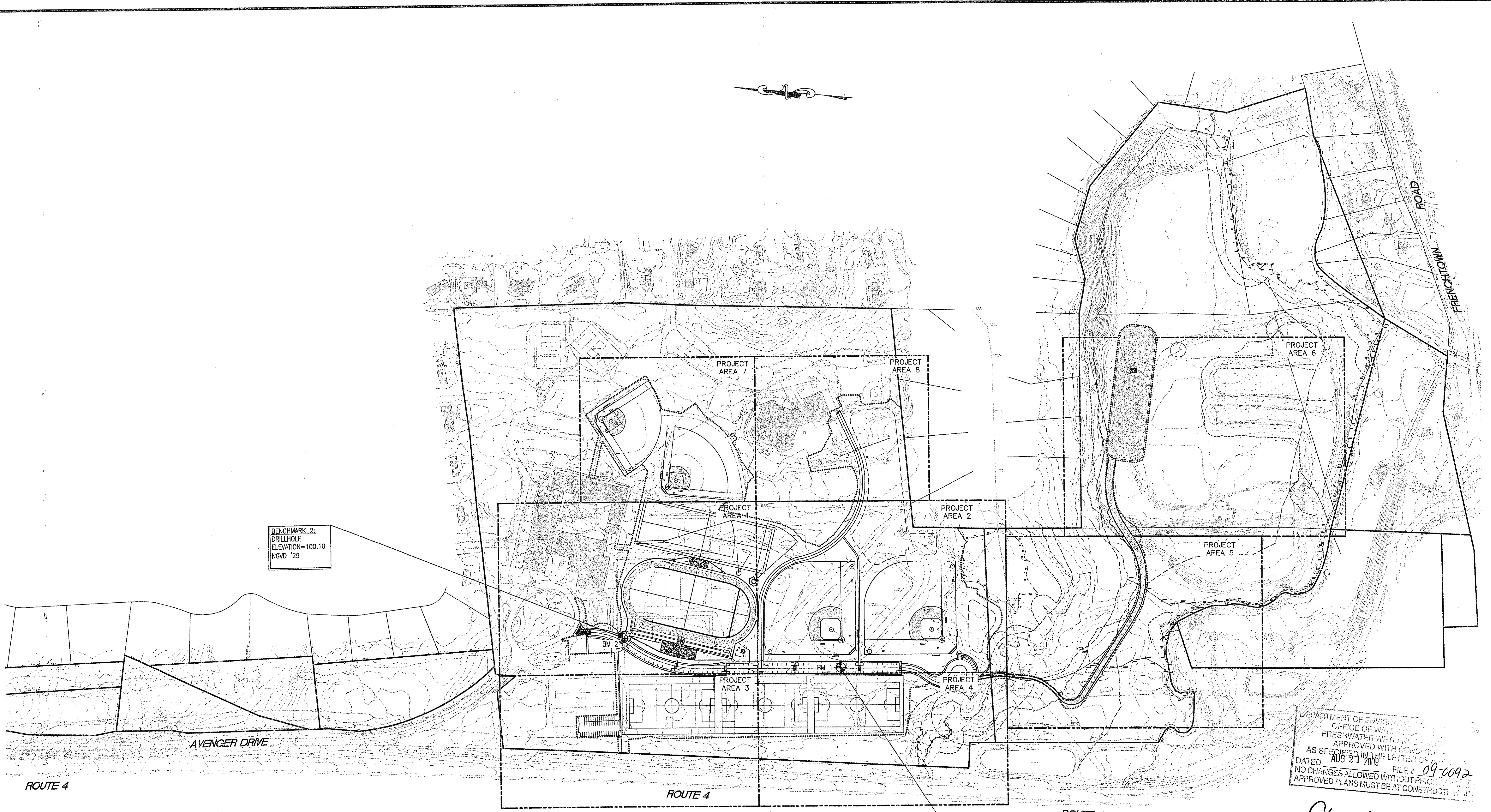
NO.	DATE	SHEETS	REVISION
1	4/7/2009	1-21,23,26-29,37	RIDEM COMMENTS
2	6/30/2009	1,2,4,7,8,12,15,16,21,27,37	RIDEM COMMENTS

RIDEM COPY

#09-0092 E.G. (used 11/10/09)

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8071530 Key Plan\_09-22-08\_R2.dwg (DISK: 2-10417)



BENCHMARK 2:  
DRILLHOLE  
ELEVATION=100.10  
NGVD '29

BENCHMARK 1:  
HUB & TACK  
ELEVATION=90.85  
NGVD '29

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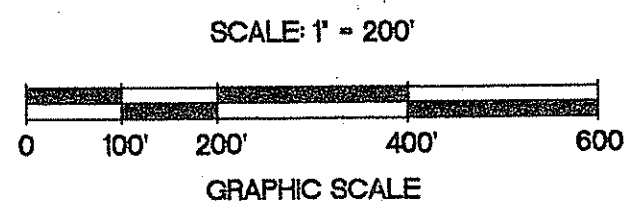
SHEET UNIT LEGEND  
PROJECT AREA 7  
PROJECT AREA LABEL

TIMOTHY H. KINDER  
No. 1574  
PROFESSIONAL  
LAND SURVEYOR

**CERTIFICATION:**  
THIS SURVEY AND PLAN CONFORM TO A CLASS III STANDARD FOR PLANIMETRICS AND/OR TOPOGRAPHY AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.

**CLASS IV NOTE:**  
THIS PLAN IS SUBSTANTIALLY CORRECT IN ACCORDANCE WITH A CLASS IV STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. THIS PLAN IS NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND IS SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY SURVEY MAY DISCLOSE.

BY: [Signature] 7/9/09  
PROFESSIONAL LAND SURVEYOR DATE



- REFERENCE:**
1. RHODE ISLAND DEPARTMENT OF TRANSPORTATION RELOCATED ROUTE 403, R.I. 403 FRENCHTOWN ROAD, BRIDGE NO. 1010 EAST GREENWICH AND NORTH KINGSTOWN, R.I. DRAINAGE & UTILITY PLAN 2, SHEET 14 OF 46.
  2. FIGURE 10: HIGH SCHOOL & McHALE PROPERTIES SPATIAL STUDY, EAST GREENWICH R.I. AUGUST 2006. REVISED 9-18-06, PREPARED BY GIFFORD DESIGN GROUP, Inc.
  3. PROPERTY LINE DATA SHOWN HEREON WAS COMPILED DEEDS, PLANS, AND ASSESSOR'S PLATS AND ARE FOR GRAPHICAL PURPOSES ONLY.
  4. TOPOGRAPHIC INFORMATION OBTAINED FROM AEROTECH INTERNATIONAL DATED JULY 16, 2007. VERTICAL DATUM-NGVD 29 (MEAN SEA LEVEL)

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1	7/7/09	RIDEM COMMENTS
2	7/16/09	RIDEM COMMENTS

JOHN P. CAITO  
No. 4398  
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08893-5388 401-615-6600  
FAX: 401-615-6606  
**CAITO CORPORATION**  
LAND PLANNERS

PROJECT NO: 8071530  
DATE: OCTOBER, 2008  
SCALE: 1" = 200'  
DESIGNED BY: K.M.A., C.M.W.  
DRAWN BY: K.M.A., P.T.E.  
CHECKED BY: J.P.C., G.H.G.

KEY PLAN  
EAST GREENWICH HIGH SCHOOL  
AVENGER DRIVE  
PREPARED FOR  
EAST GREENWICH  
EAST GREENWICH PUBLIC SCHOOLS

DRAWING NUMBER  
**2**  
SHEET 2 OF 42

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**LEGEND:**

- PROPERTY LINE
- - - EXISTING 2' CONTOUR
- - - EXISTING 10' CONTOUR
- - - EXISTING CHAIN LINK FENCE
- △ A28 A29 WETLAND FLAG AND EDGE
- BCH200 BCH201 EXISTING EDGE OF BEECH TREES
- 1/2" W EXISTING 1/2" WATER LINE
- 2" W EXISTING 2" WATER LINE
- 4" W EXISTING 4" WATER LINE
- 6" W EXISTING 6" WATER LINE
- C EXISTING GAS LINE
- S EXISTING SEWER LINE
- D EXISTING DRAIN LINE
- OHW EXISTING OVERHEAD WIRES
- EXISTING 10' WIDE RIVER
- EXISTING CART PATH
- RIVERBANK WETLAND
- PERIMETER WETLAND
- - - LIMIT OF DISTURBANCE/STAKED HAYBALES
- ○ ○ ○ ○ EXISTING STONE WALL
- EXISTING BUILDING
- EXISTING SPOT GRADE
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING SEWER MANHOLE
- EXISTING DRAIN MANHOLE
- EXISTING CATCH BASIN
- EXISTING UTILITY POLE
- EXISTING LIGHT POST
- EXISTING SIGN

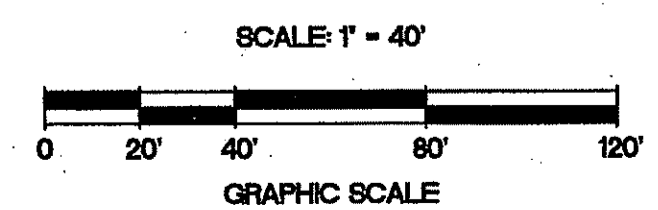
**REFERENCE:**

1. PLAN ENTITLED "PROPOSED MUNICIPAL RECREATION COMPLEX AVENGER DRIVE EAST GREENWICH, RI. BY ROBERT J. CURRAN & ASSOCIATE DATE: NOV. 19, 1981, SHEET 1 OF 4".
2. PLAN ENTITLED "PROPOSED MUNICIPAL RECREATION COMPLEX AVENGER DRIVE EAST GREENWICH, RI. SITE PLAN DATE: MAY 1982, SHEET 1 OF 2".



MATCHLINE TO SHEET 9

MATCHLINE TO SHEET 5



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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
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 FRESHWATER WETLANDS DIVISION  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED AUG 21 2000 FILE # 09-0092  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION

*Charles A. Herbert*

NO.	DATE	REVISION	REVISION COMMENTS
1	11/7/98		

**JOHN P. CAITO**  
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**CAITO CORPORATION**  
 LAND PLANNERS

PROJECT NO.: 8071530  
 DATE: OCTOBER, 2008  
 SCALE: 1" = 40'  
 DESIGNED BY: JCH, CMW  
 DRAWN BY: KMA, PTE  
 CHECKED BY: JPC, GHG

**SITE PREPARATION PLAN / PROJECT AREA - 1**  
**EAST GREENWICH HIGH SCHOOL**  
**ATHLETIC FIELD IMPROVEMENTS**  
 AVENGER DRIVE  
 EAST GREENWICH  
 RHODE ISLAND  
 PREPARED FOR  
**EAST GREENWICH PUBLIC SCHOOLS**

DRAWING NUMBER  
**3**  
 SHEET 3 OF 42

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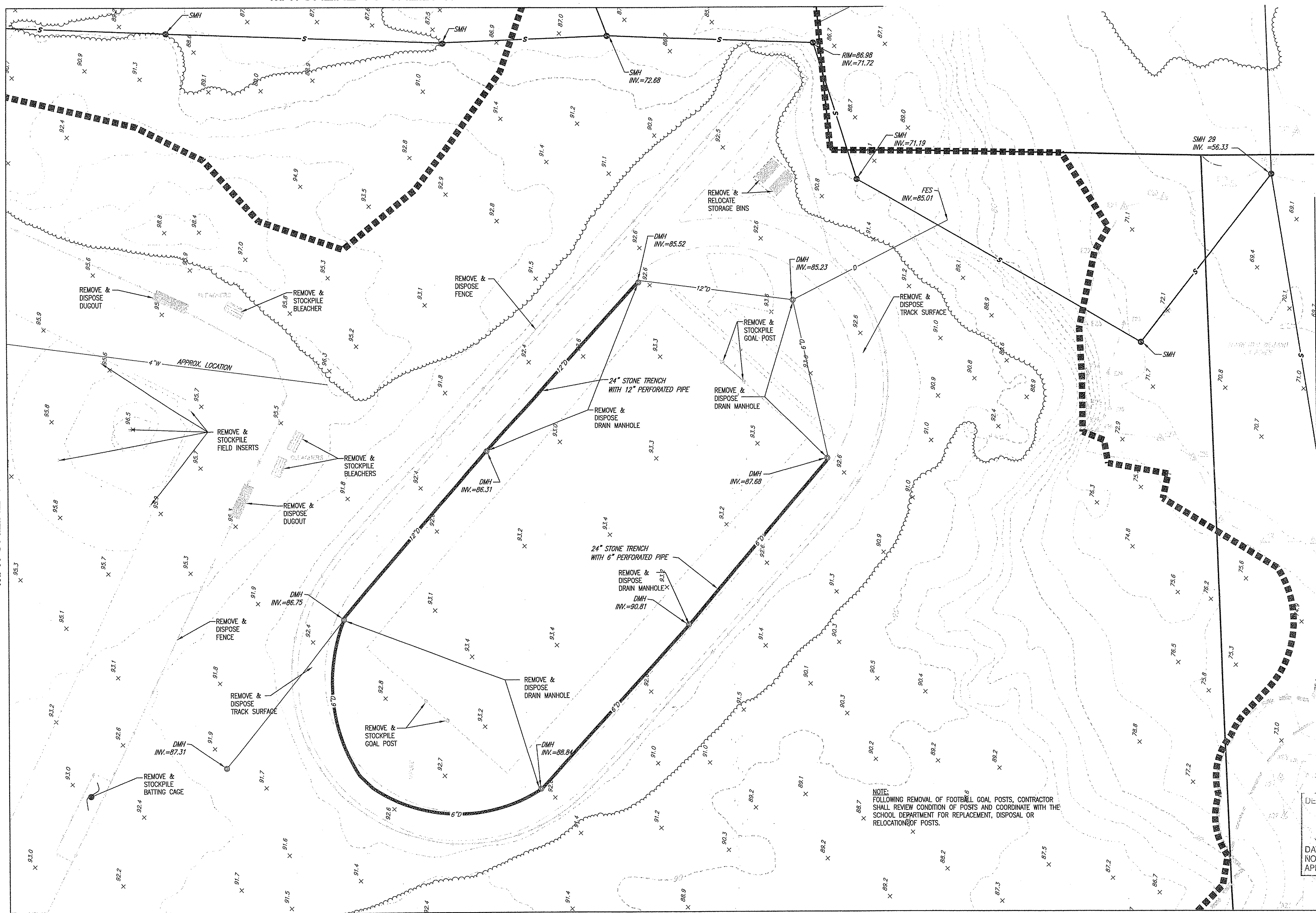
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MATCHLINE TO SHEET 10

MATCHLINE TO SHEET 3

MATCHLINE TO SHEET 7

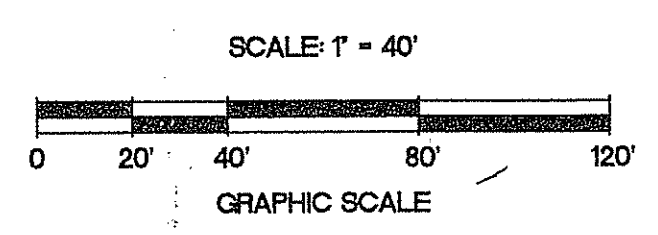
MATCHLINE TO SHEET 6



NOTE:  
 FOLLOWING REMOVAL OF FOOTBALL GOAL POSTS, CONTRACTOR SHALL REVIEW CONDITION OF POSTS AND COORDINATE WITH THE SCHOOL DEPARTMENT FOR REPLACEMENT, DISPOSAL OR RELOCATION OF POSTS.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
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*Charles A. Haber*



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NO.	DATE	REVISION
1	8/7/09	RIDEM COMMENTS
2	8/30/09	RIDEM COMMENTS

**JOHN P. CAITO**  
 PROFESSIONAL ENGINEER  
 No. 4398

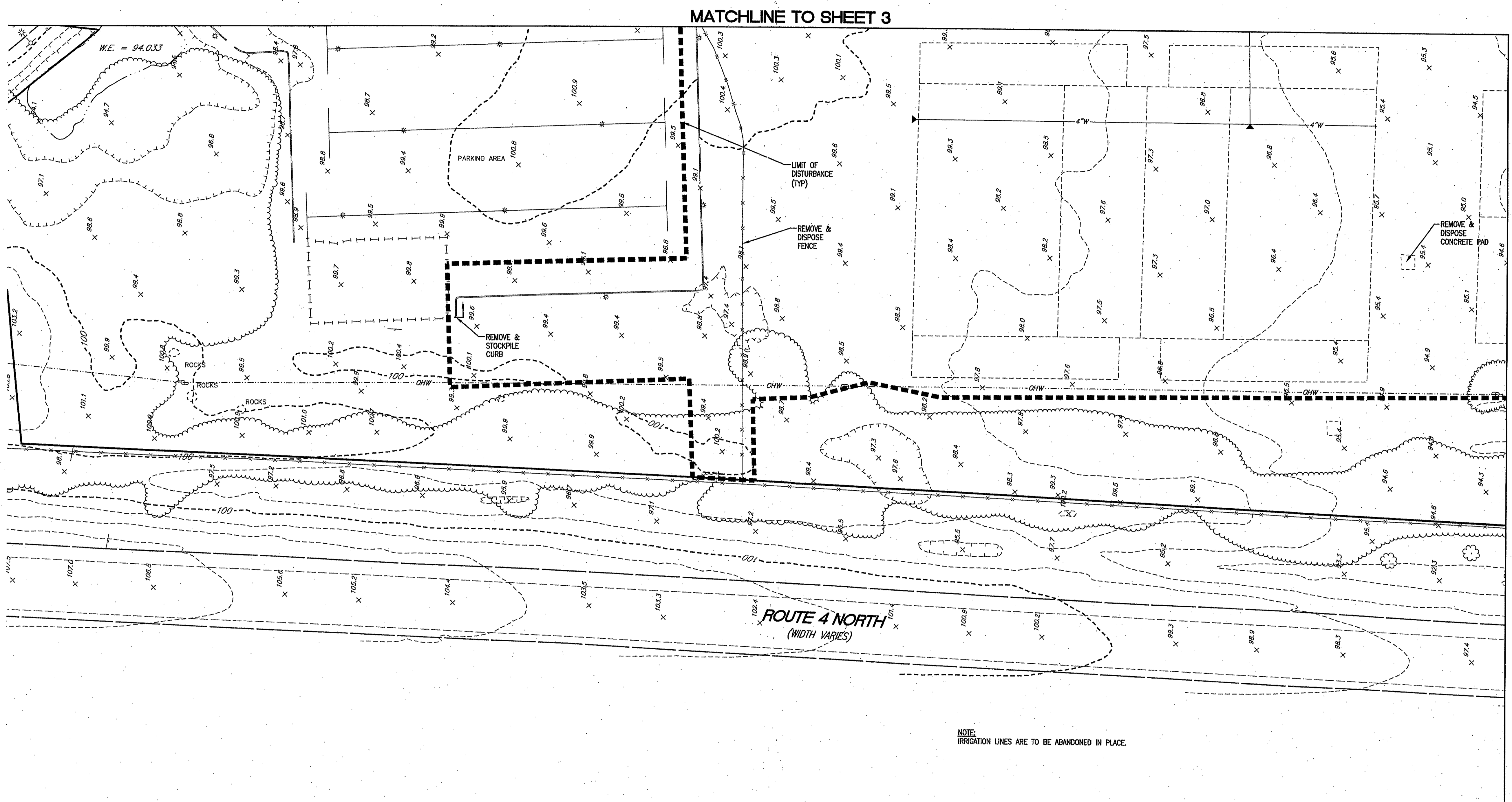
PREPARED BY: CIVIL ENGINEERS  
 141 JAMES P. MURPHY HIGHWAY  
 WEST WARWICK, RHODE ISLAND  
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PROJECT NO: 807.1530  
 DATE: OCTOBER, 2008  
 SCALE: 1" = 40'  
 DESIGNED BY: J.C.H., C.M.W.  
 DRAWN BY: K.M.A., P.T.E.  
 CHECKED BY: J.P.C., Q.H.G.

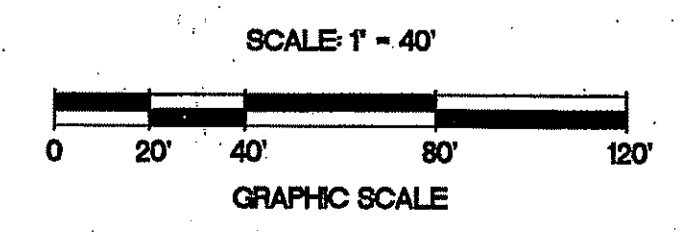
SITE PREPARATION PLAN / PROJECT AREA-2  
 EAST GREENWICH HIGH SCHOOL  
 ATHLETIC FIELD IMPROVEMENTS  
 AVENGER DRIVE  
 EAST GREENWICH  
 RHODE ISLAND  
 PREPARED FOR  
 EAST GREENWICH PUBLIC SCHOOLS

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**4**  
 SHEET 4 OF 42

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NOTE:  
IRRIGATION LINES ARE TO BE ABANDONED IN PLACE.



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*Charles A. Hester*

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1	7/7/09	RDEM COMMENTS

**JOHN P. CAITO**  
 No. 0398  
 REGISTERED PROFESSIONAL ENGINEER

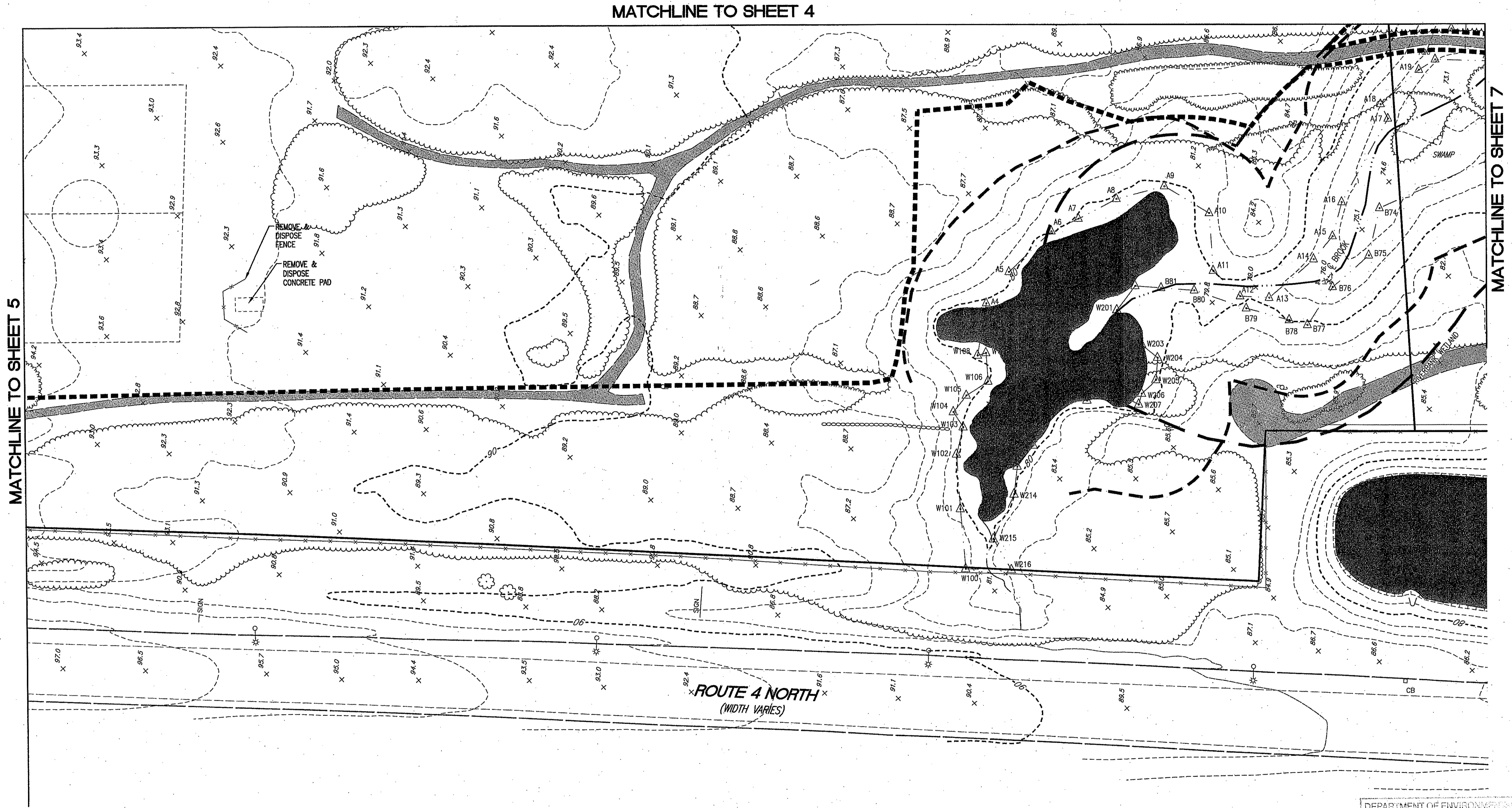
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PROJECT NO: 8071530  
 DATE: OCTOBER, 2008  
 SCALE: 1" = 40'  
 DESIGNED BY: J.C.H., C.M.W.  
 DRAWN BY: K.M.A., P.T.E.  
 CHECKED BY: J.P.C., G.H.Q.

SITE PREPARATION PLAN / PROJECT AREA-3  
 EAST GREENWICH HIGH SCHOOL  
 ATHLETIC FIELD IMPROVEMENTS  
 AVENGER DRIVE  
 EAST GREENWICH, RHODE ISLAND  
 PREPARED FOR  
 EAST GREENWICH PUBLIC SCHOOLS

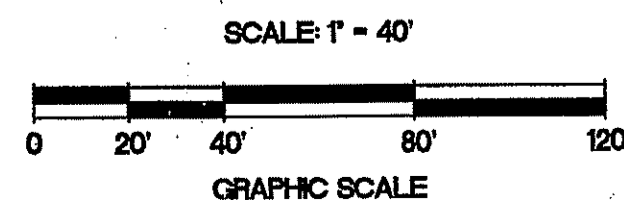
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**5**  
 SHEET 5 OF 42



MATCHLINE TO SHEET 4

MATCHLINE TO SHEET 5

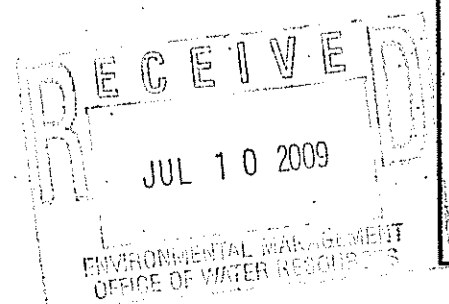
MATCHLINE TO SHEET 7



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 FRESHWATER WETLANDS PROGRAM  
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*Charles A. Herbert*

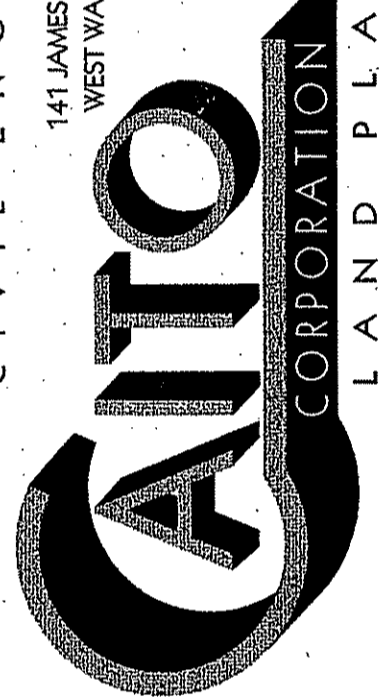
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NO.	DATE	REVISION
1	1/27/09	RIDEM COMMENTS

**JOHN P. CAITO**  
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PROJECT NO: 8071530  
 DATE: OCTOBER, 2008  
 SCALE: 1" = 40'  
 DESIGNED BY: J.C.H., C.M.W.  
 DRAWN BY: K.M.A., P.T.E.  
 CHECKED BY: J.P.C., Q.H.G.

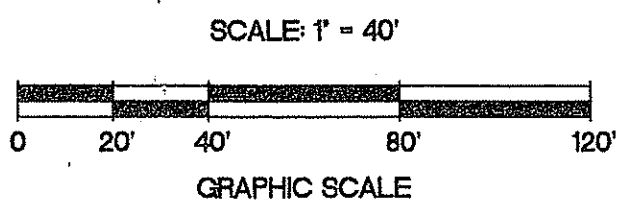
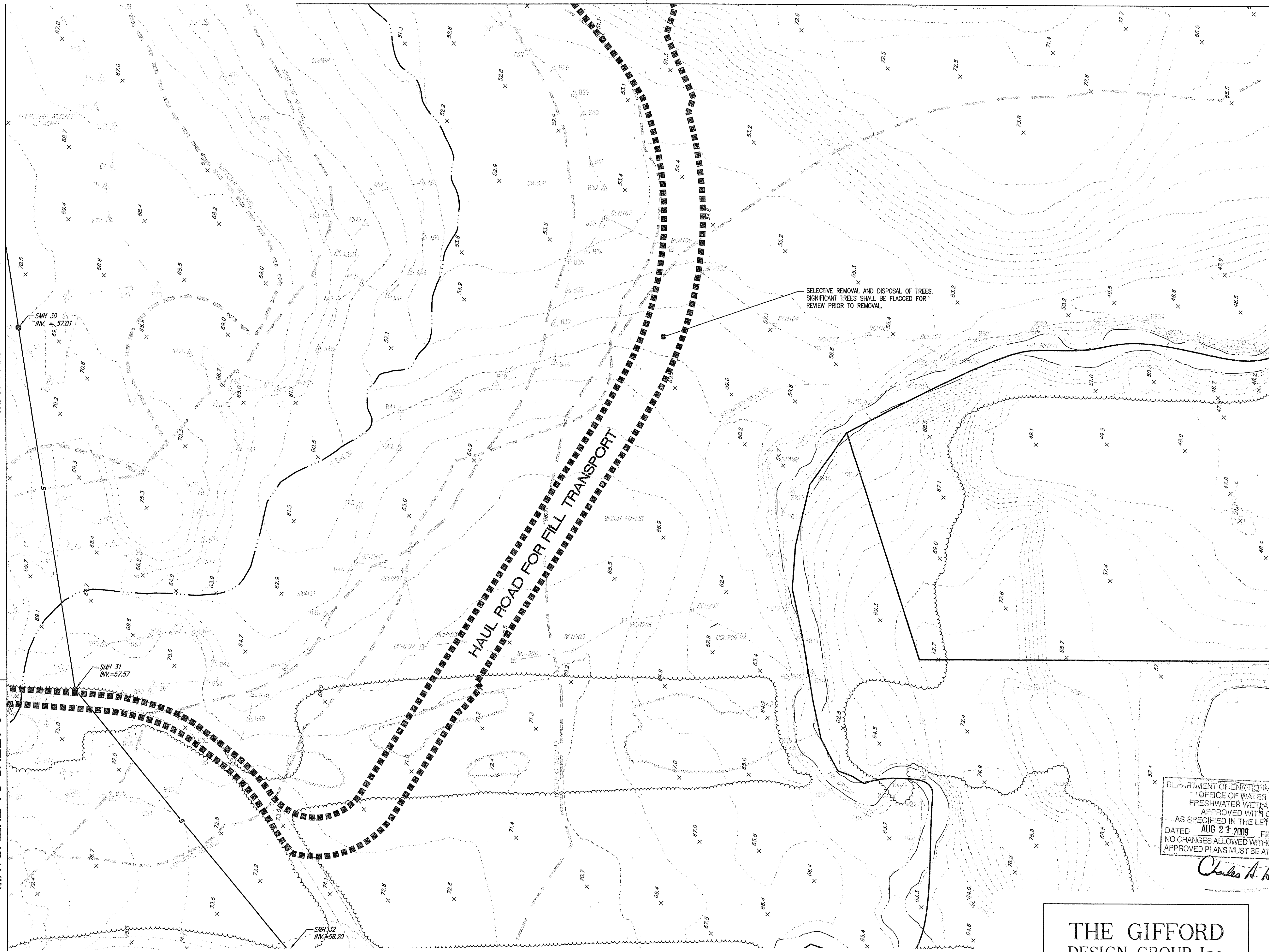
SITE PREPARATION PLAN / PROJECT AREA-4  
**EAST GREENWICH HIGH SCHOOL  
 ATHLETIC FIELD IMPROVEMENTS**  
 AVENGER DRIVE  
 EAST GREENWICH, RHODE ISLAND  
 PREPARED FOR  
**EAST GREENWICH PUBLIC SCHOOLS**

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 SHEET 6 OF 42

MATCHLINE TO SHEET 8

MATCHLINE TO SHEET 4

MATCHLINE TO SHEET 6



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*Charles A. Herbert*

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1	1/7/09	RIDE COMMENTS
2	8/30/09	RIDE COMMENTS

JOHN P. CATO  
 No. 498  
 PROFESSIONAL ENGINEER

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**CATO CORPORATION**  
 LAND PLANNERS

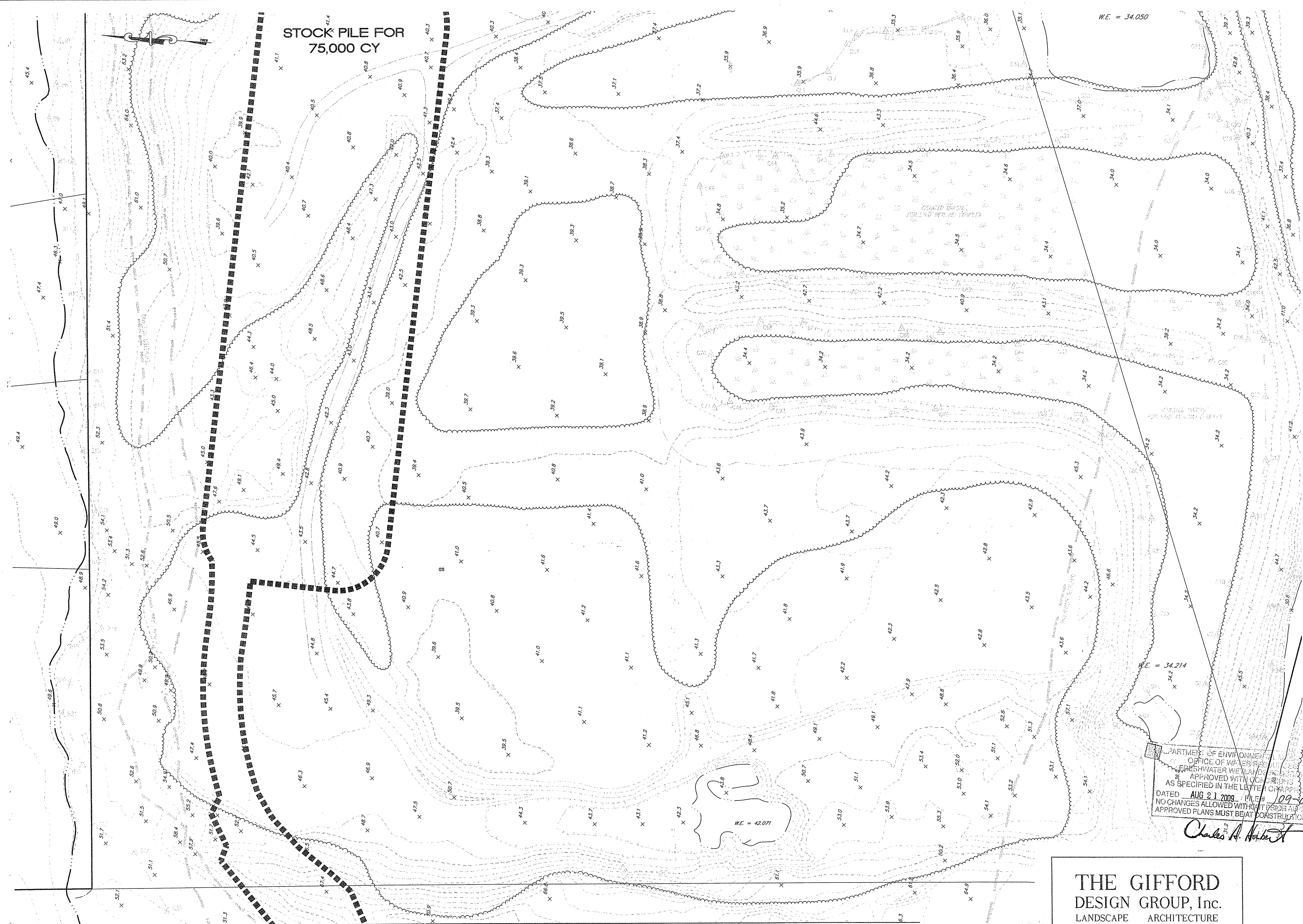
PROJECT NO: 8071530  
 DATE: OCTOBER, 2008  
 SCALE: 1" = 40'  
 DESIGNED BY: JCH, CMW.  
 DRAWN BY: KMA, P.T.E.  
 CHECKED BY: JPC, GHQ.

SITE PREPARATION PLAN / PROJECT AREA-5  
 EAST GREENWICH HIGH SCHOOL  
 ATHLETIC FIELD IMPROVEMENTS  
 AVENGER DRIVE  
 EAST GREENWICH  
 RHODE ISLAND  
 PREPARED FOR  
 EAST GREENWICH PUBLIC SCHOOLS

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**7**  
 SHEET 7 OF 42

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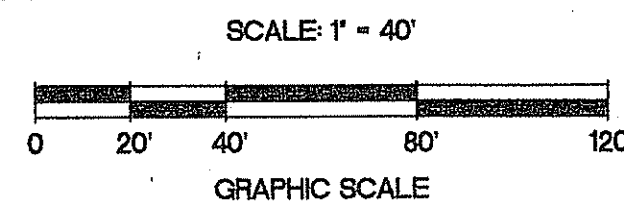
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATERSHED MANAGEMENT  
 FRESHWATER WATERSHED DISTRICT #1  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF CORRECTION  
 DATED AUG 21 2009 FILE # 09-0092  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
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*Charles A. Holter*

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MATCHLINE TO SHEET 7

NO.	DATE	REVISION
1	1/7/08	RODEM COMMENTS
2	8/20/09	RODEM COMMENTS

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**CAITO CORPORATION**  
 LAND PLANNERS

PROJECT NO: 8071530  
 DATE: OCTOBER, 2008  
 SCALE: 1" = 40'  
 DESIGNED BY: J.C.H. CM.W.  
 DRAWN BY: K.M.A. P.T.E.  
 CHECKED BY: J.P.C. G.H.G.

SITE PREPARATION PLAN / PROJECT AREA-6  
 EAST GREENWICH HIGH SCHOOL  
 ATHLETIC FIELD IMPROVEMENTS  
 AVENGER DRIVE  
 EAST GREENWICH RHODE ISLAND  
 PREPARED FOR  
 EAST GREENWICH PUBLIC SCHOOLS

DRAWING NUMBER  
**8**  
 SHEET 8 OF 42

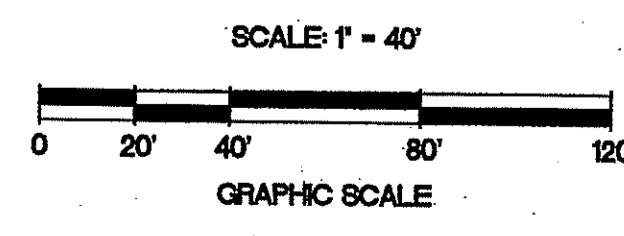
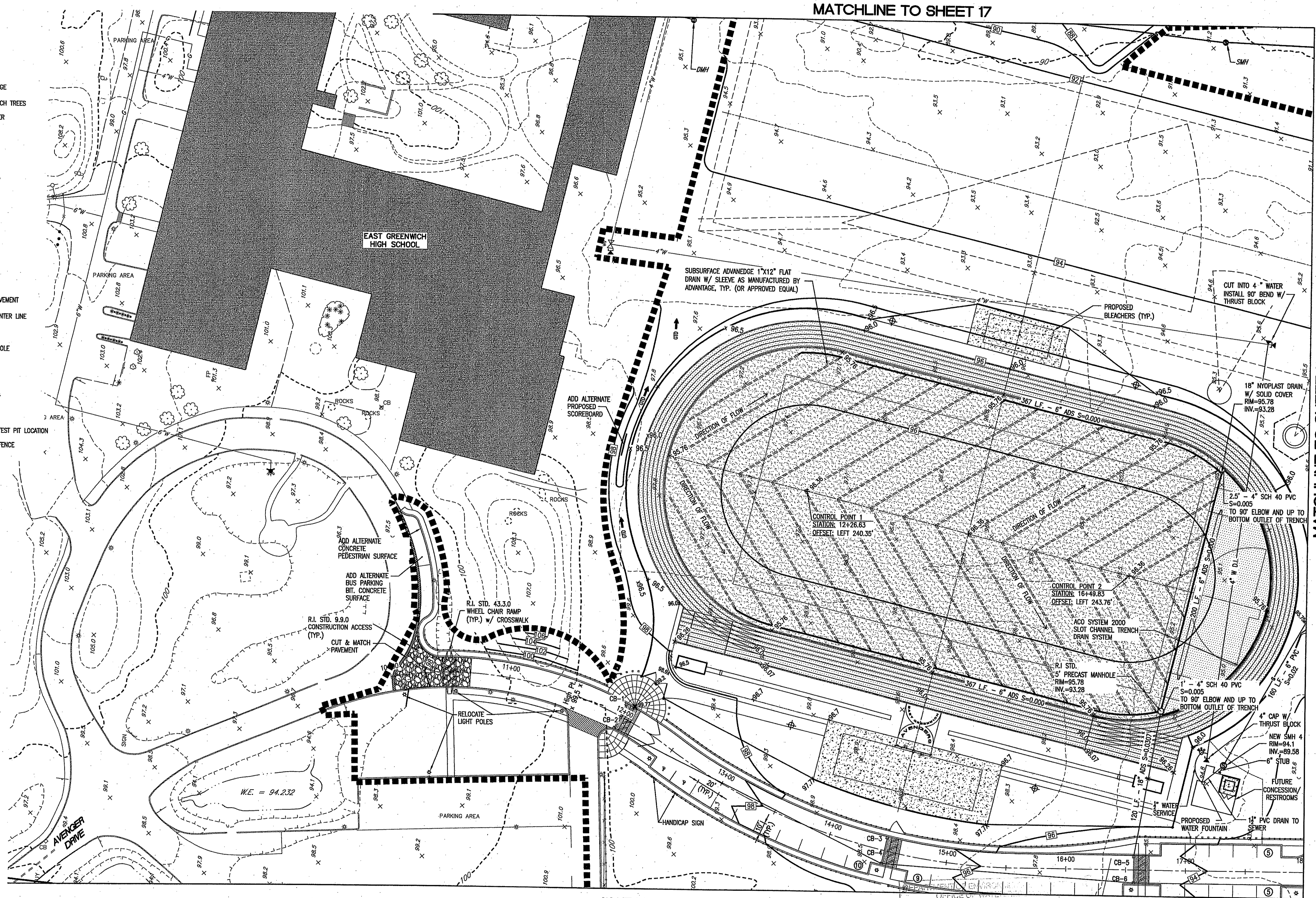




8071530 Site Layout, Grading & Utility Plan\_10-24-08\_RT.dwg (DISK: Z-1047)

**LEGEND:**

- PROPERTY LINE
- - - EXISTING 2' CONTOUR
- - - EXISTING 10' CONTOUR
- △ A28    △ A29 WETLAND FLAG AND EDGE
- BCH200    □ BCH201 EXISTING EDGE OF BEECH TREES
- - - EXISTING 10' WIDE RIVER
- - - EXISTING CART PATH
- - - RIVERBANK WETLAND
- - - PERIMETER WETLAND
- - - LIMIT OF DISTURBANCE/ STAKED HAYBALES
- EXISTING BUILDING
- × 26.5 EXISTING SPOT GRADE
- × EXISTING FIRE HYDRANT
- × EXISTING UTILITY POLE
- × EXISTING LIGHT POST
- × EXISTING SIGN
- - - PROPOSED EDGE OF PAVEMENT
- - - PROPOSED ROADWAY CENTER LINE
- ⊕ FIELD LIGHT POLE
- ⊕ PROPOSED SEWER MANHOLE
- PROPOSED SEWER LINE
- ▨ PROPOSED SPEED HUMP
- ⊕ PROPOSED STREET LIGHT
- ⊕ PROPOSED SIGN
- ⊕ GWT/ SOIL EVALUATION TEST PIT LOCATION
- - - PROPOSED CHAIN LINK FENCE
- GRD GRADE TO DRAIN

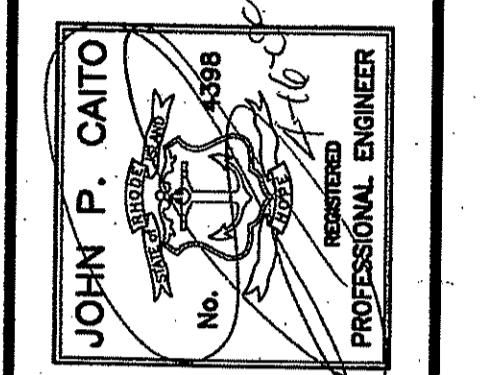


OFFICE OF FRESHWATER WETLANDS  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 AUG 21 2009 FILE # 09-0972  
 DATED: \_\_\_\_\_  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Charles A. Harte*  
 JUL 10 2009  
 PROFESSIONAL SEAL  
 OFFICE OF WATER RESOURCES

**THE GIFFORD  
 DESIGN GROUP, Inc.**  
 LANDSCAPE ARCHITECTURE  
 ENVIRONMENTAL PLANNING  
 4086 MENDON ROAD, CUMBERLAND, RHODE ISLAND 02854  
 PHONE (401) 671-6336 FAX (401) 671-6466

NO.	DATE	REVISION
1	10/27/08	RIBBY COMMENTS



PREPARED BY: JOHN P. CAITO  
 CIVIL ENGINEERS  
 141 JAMES P. MURPHY HIGHWAY  
 WEST WARWICK, RHODE ISLAND  
 02893-9388  
 401-515-8600  
 Fax: 401-515-8606

PROJECT NO.: 8071530  
 DATE: OCTOBER, 2008  
 SCALE: 1" = 40'  
 DESIGNED BY: J.C.H., C.M.W.  
 DRAWN BY: K.M.A., P.T.E.  
 CHECKED BY: J.P.C., G.H.G.

SITE LAYOUT, GRADING AND UTILITY PLAN/ PROJECT AREA - 1  
**EAST GREENWICH HIGH SCHOOL  
 ATHLETIC FIELD IMPROVEMENTS**  
 AVENGER DRIVE  
 EAST GREENWICH  
 RHODE ISLAND  
 PREPARED FOR  
**EAST GREENWICH PUBLIC SCHOOLS**

DRAWING NUMBER  
**11**  
 SHEET 11 OF 42

MATCHLINE TO SHEET 12

MATCHLINE TO SHEET 17

MATCHLINE TO SHEET 13

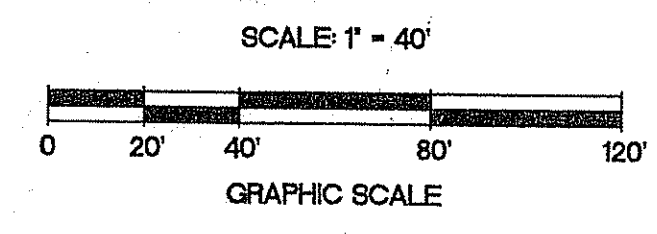
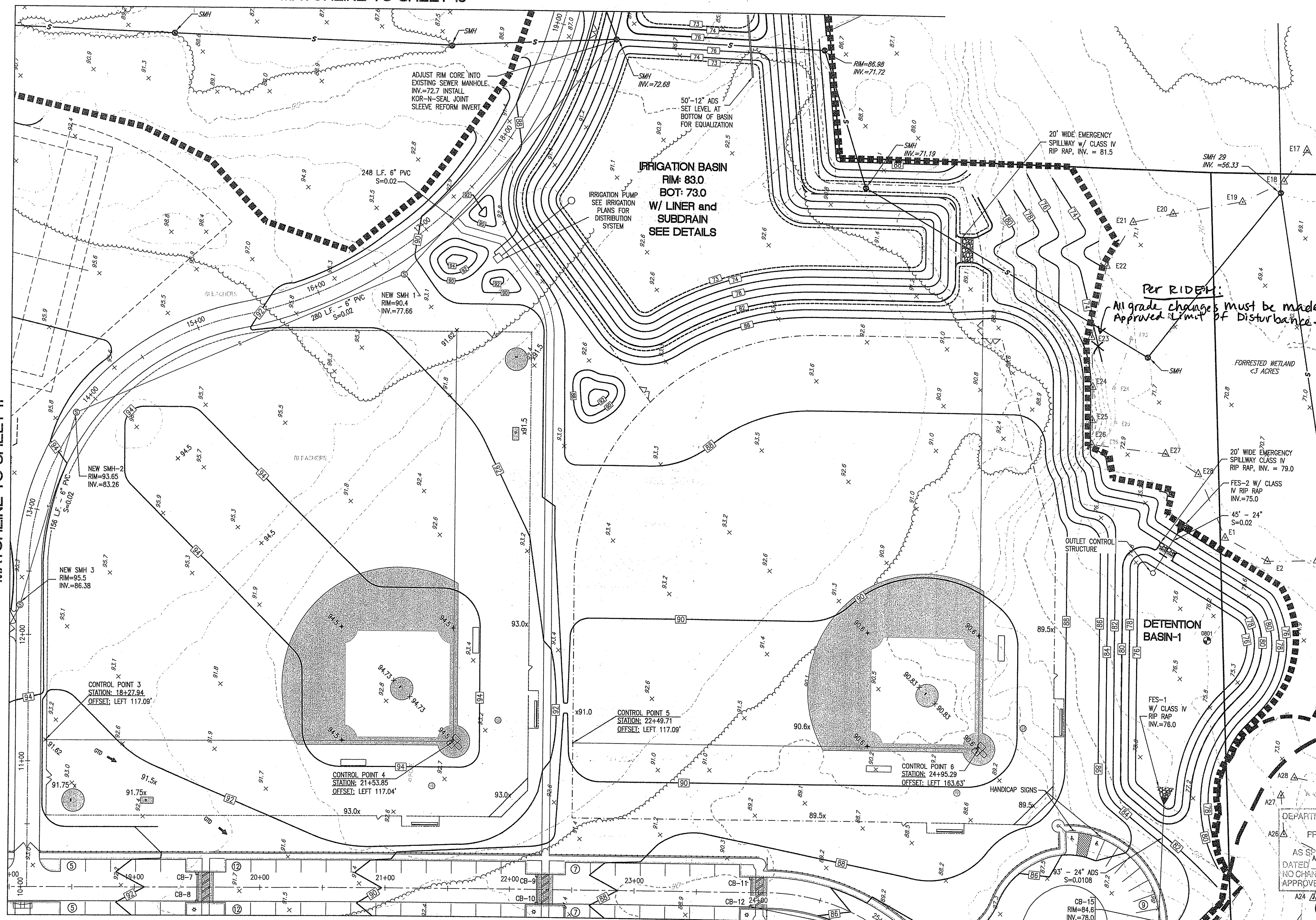
8071530 Site Layout, Grading & Utility Plan\_10-24-08\_R2.dwg (DISK: Z-1041)

MATCHLINE TO SHEET 18

MATCHLINE TO SHEET 11

MATCHLINE TO SHEET 15

MATCHLINE TO SHEET 14

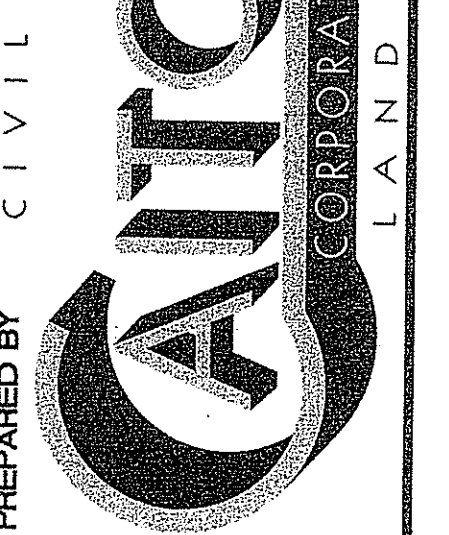


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 4096 MENDON ROAD, CUMBERLAND, RHODE ISLAND 02864  
 PHONE (401) 671-5336 FAX (401) 671-6466

NO.	DATE	REVISION
1	4/7/09	RIDEM COMMENTS
2	5/4/09	RIDEM COMMENTS

JOHN P. CAITO  
 PROFESSIONAL ENGINEER  
 REG. NO. 4398

PREPARED BY  
 CIVIL ENGINEERS  
 141 JAMES P. MURPHY HIGHWAY  
 WEST WARWICK, RHODE ISLAND  
 02893-5389  
 401-615-8600  
 fax: 401-615-8606



PROJECT NO: 8071530  
 DATE: OCTOBER, 2008  
 SCALE: 1" = 40'  
 DESIGNED BY: J.C.H., C.M.W.  
 DRAWN BY: K.M.A., P.T.E.  
 CHECKED BY: J.P.C., Q.H.G.

SITE LAYOUT, GRADING AND UTILITY PLAN / PROJECT AREA - 2  
 EAST GREENWICH HIGH SCHOOL  
 ATHLETIC FIELD IMPROVEMENTS  
 AVENGER DRIVE  
 EAST GREENWICH, RHODE ISLAND  
 PREPARED FOR  
 EAST GREENWICH PUBLIC SCHOOLS

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED AUG 21 2009 FILE # 09-0092  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION

Charles A. Hester

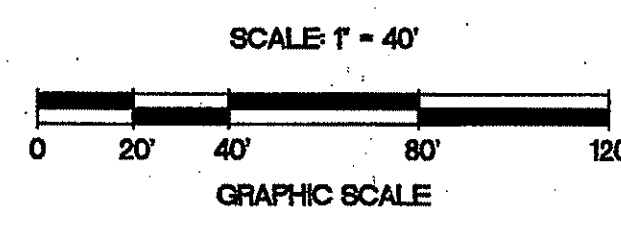
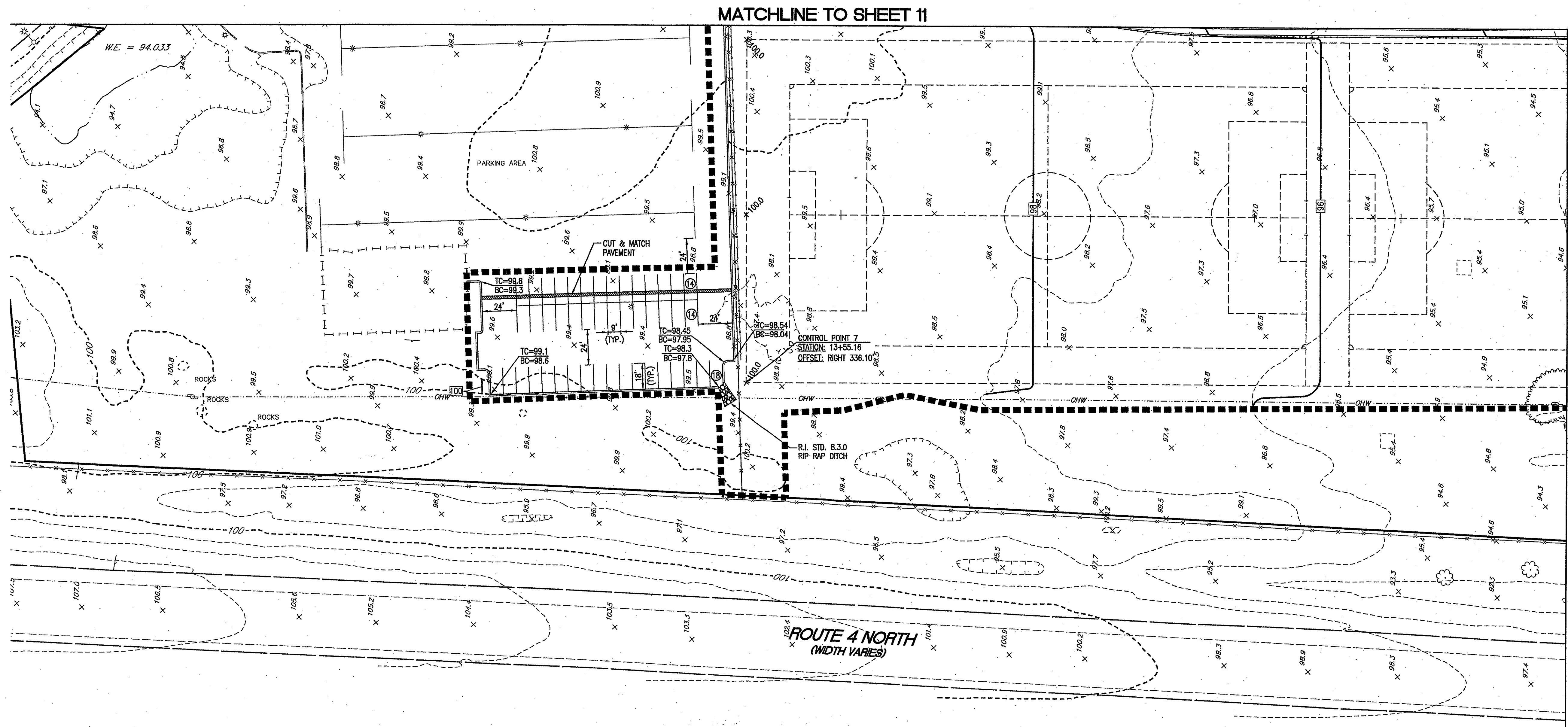
DRAWING NUMBER

12

SHEET 12 OF 42

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 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED AUG 21 2009 FILE # 09-0092  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Charles A. Herbert*

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 OFFICE OF WATER RESOURCES

NO.	DATE	REVISION
1	7/7/08	REVISION COMMENTS

**JOHN P. CAITO**  
 No. 4398  
 PROFESSIONAL ENGINEER

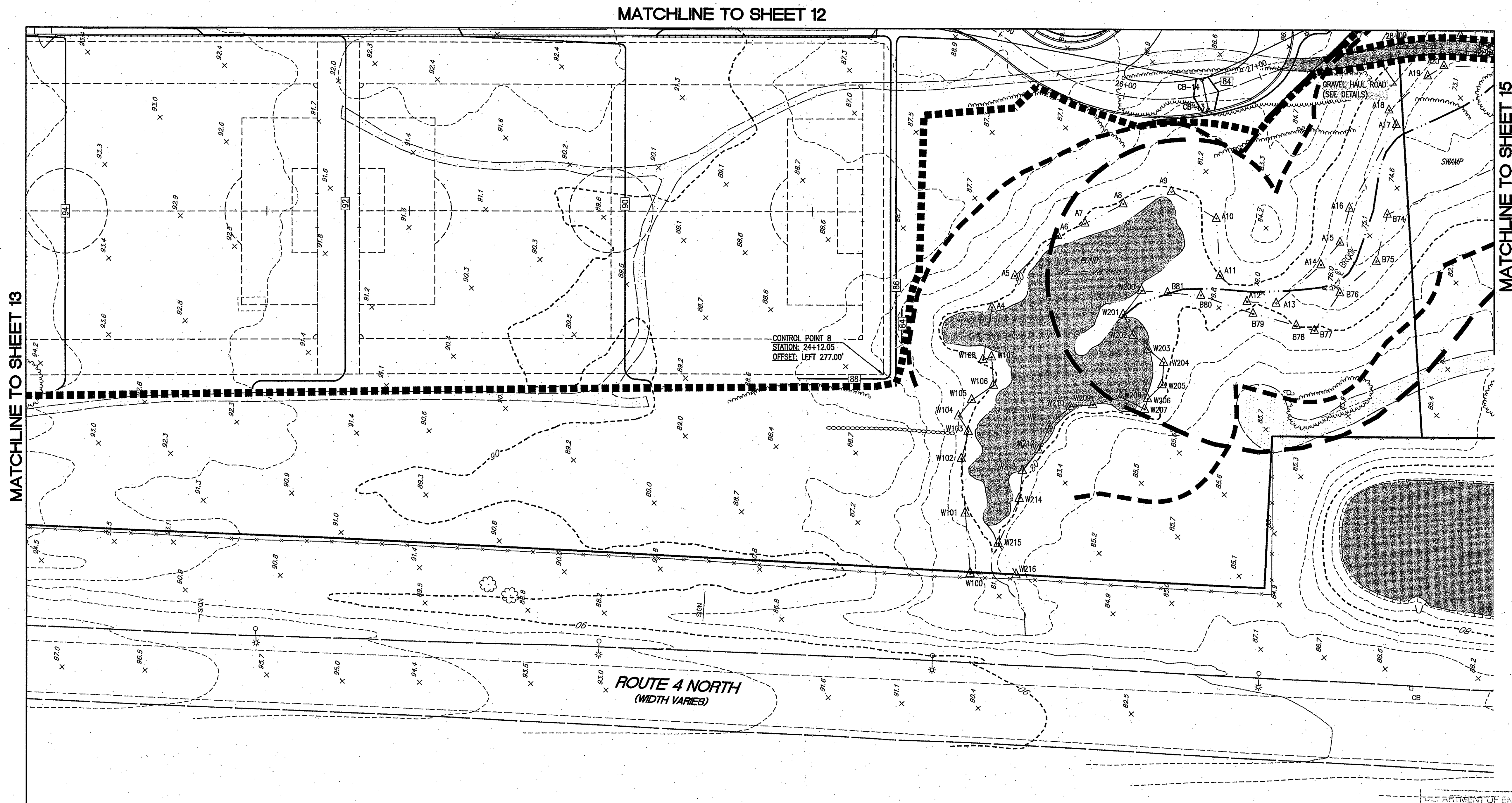
PREPARED BY: CIVIL ENGINEERS  
 141 JAMES P. MURPHY HIGHWAY  
 WEST WARWICK, RHODE ISLAND  
 02893-9392  
 401-615-9600  
 FAX: 401-615-9606

**CAITO CORPORATION**  
 LAND PLANNERS

PROJECT NO: 8071530  
 DATE: OCTOBER, 2008  
 SCALE: 1" = 40'  
 DESIGNED BY: J.C.H., C.M.W.  
 DRAWN BY: K.M.A., P.T.E.  
 CHECKED BY: J.P.C., Q.H.G.

SITE LAYOUT, GRADING AND UTILITY PLAN/ PROJECT AREA - 3  
 EAST GREENWICH HIGH SCHOOL  
 ATHLETIC FIELD IMPROVEMENTS  
 AVENGER DRIVE  
 EAST GREENWICH  
 RHODE ISLAND  
 PREPARED FOR  
 EAST GREENWICH PUBLIC SCHOOLS

DRAWING NUMBER  
**13**  
 SHEET 13 OF 42



MATCHLINE TO SHEET 13

MATCHLINE TO SHEET 12

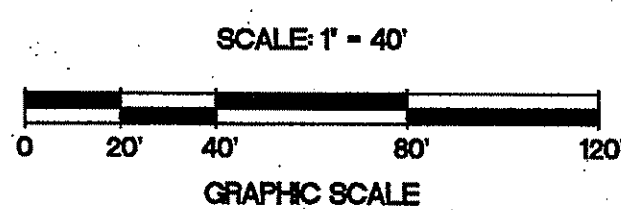
MATCHLINE TO SHEET 15

CONTROL POINT 8  
STATION: 24+12.05  
OFFSET: LEFT 277.00'

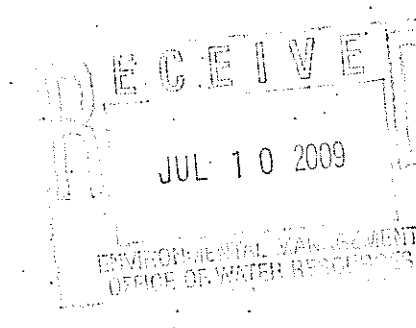
ROUTE 4 NORTH  
(WIDTH VARIES)

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED AUG 21 2009 FILE # 09-0092  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

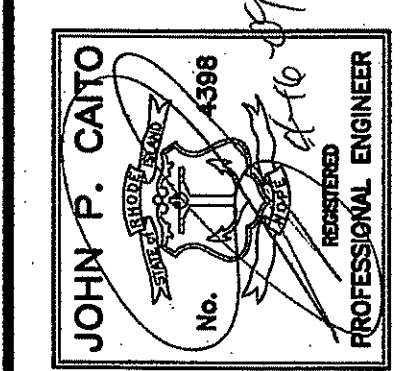
*Charles A. Harbeck*



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LANDSCAPE ARCHITECTURE  
ENVIRONMENTAL PLANNING  
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PHONE (401) 671-6336 FAX (401) 671-6466



NO.	DATE	REVISION	REVISION COMMENTS
1	4/27/08		



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**Caito CORPORATION**  
LAND PLANNERS  
141 JAMES P. MURPHY HIGHWAY  
WEST WARWICK, RHODE ISLAND  
02893-2988  
401-671-8600  
FAX 401-671-8606

PROJECT NO: 8071530  
DATE: OCTOBER, 2008  
SCALE: 1" = 40'  
DESIGNED BY: J.C.H., C.M.W.  
DRAWN BY: K.M.A., P.T.E.  
CHECKED BY: J.P.C., G.H.Q.

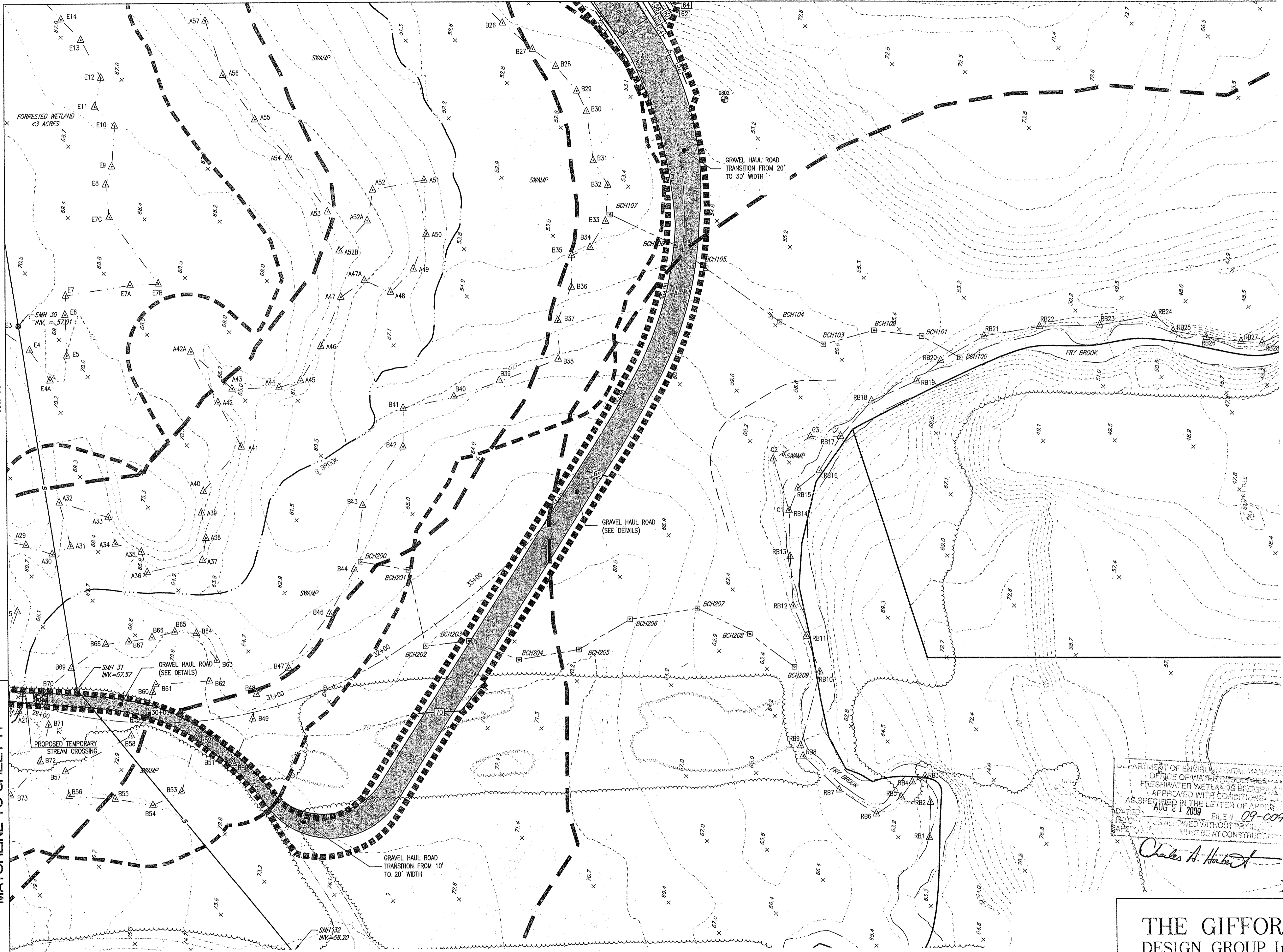
SITE LAYOUT, GRADING AND UTILITY PLAN/ PROJECT AREA - 4  
EAST GREENWICH HIGH SCHOOL  
ATHLETIC FIELD IMPROVEMENTS  
AVENGER DRIVE  
EAST GREENWICH  
RHODE ISLAND  
PREPARED FOR  
EAST GREENWICH PUBLIC SCHOOLS

DRAWING NUMBER  
**14**  
SHEET 14 OF 42

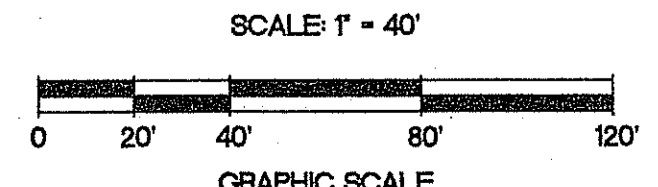
MATCH TO SHEET 16

MATCHLINE TO SHEET 12

MATCHLINE TO SHEET 14



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS REGULATION  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF PERMIT  
 AUG 21 2009  
 FILE # 09-0092  
 ALL WORK SHALL BE AT CONSTRUCTION SITE  
 Charles A. Herbert



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 LANDSCAPE ARCHITECTURE  
 ENVIRONMENTAL PLANNING  
 4096 MENDON ROAD, CUMBERLAND, RHODE ISLAND 02864  
 PHONE (401) 671-6336 FAX (401) 671-6466

NO.	DATE	REVISION
1	4/7/08	RIEAL COMMENTS
2	6/30/08	RIEAL COMMENTS

JOHN P. CATO  
 No. 4988  
 REGISTERED PROFESSIONAL ENGINEER

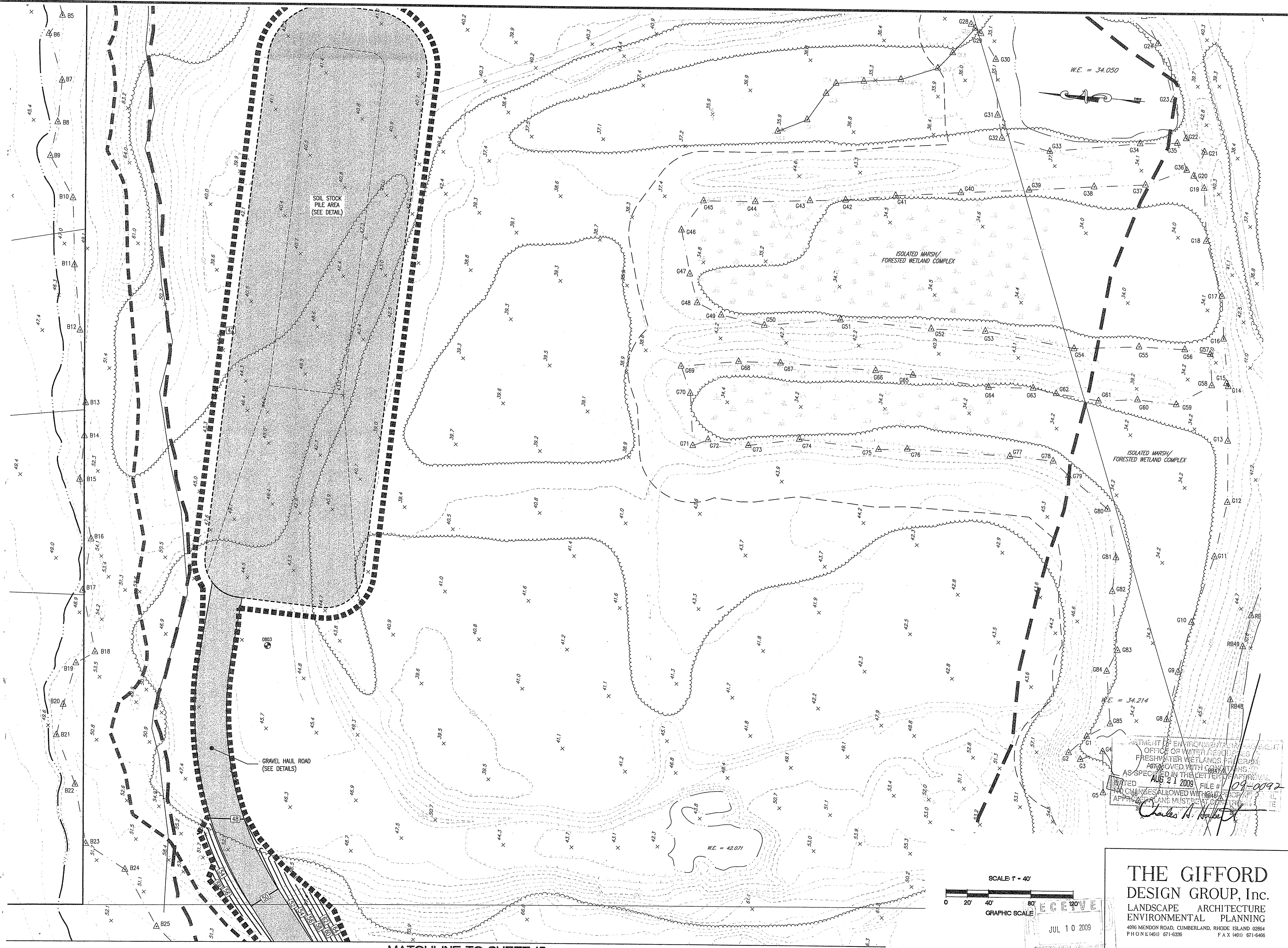
PREPARED BY CIVIL ENGINEERS  
 141 JAMES P. MURPHY HIGHWAY  
 WEST WARWICK, RHODE ISLAND  
 02893-2288  
 401-615-8600  
 Fax: 401-615-8606  
**Caito CORPORATION**  
 LAND PLANNERS

PROJECT NO: 8071530  
 DATE: OCTOBER, 2008  
 SCALE: 1" = 40'  
 DESIGNED BY: J.C.H., C.M.W.  
 DRAWN BY: K.M.A., P.T.E.  
 CHECKED BY: J.P.C., G.H.G.

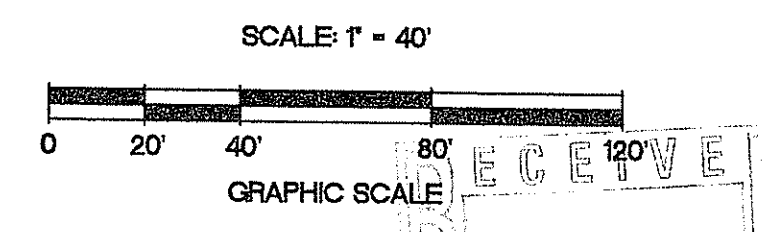
SITE LAYOUT, GRADING AND UTILITY PLAN/ PROJECT AREA - 5  
 EAST GREENWICH HIGH SCHOOL  
 ATHLETIC FIELD IMPROVEMENTS  
 AVENGER DRIVE  
 EAST GREENWICH, RHODE ISLAND  
 PREPARED FOR  
 EAST GREENWICH PUBLIC SCHOOLS

DRAWING NUMBER  
**15**  
 SHEET 15 OF 42

807.1530 Site layout, Grading & Utility Plan\_10-24-08\_R2.dwg (DISK: Z-10417)



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PERMITS  
APPROVED WITH COMMENTS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED AUG 21 2009 FILE # 09-0192  
NO CHANGES ALLOWED WITHOUT WRITING FROM THE  
APPROVING AGENCY MUST BE OBTAINED FROM THE  
Charles H. Ballew



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ENVIRONMENTAL PLANNING  
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NO.	DATE	REVISION
1	4/7/09	RIDEM COMMENTS
2	7/30/09	RIDEM COMMENTS

JOHN P. CAITO  
Professional Engineer  
No. 0088  
Exp. 03/31/10

PREPARED BY CIVIL ENGINEERS  
141 JAMES P. MURPHY HIGHWAY  
WEST WARWICK, RHODE ISLAND  
08893-0398  
401-615-8600  
FAX: 401-615-8606

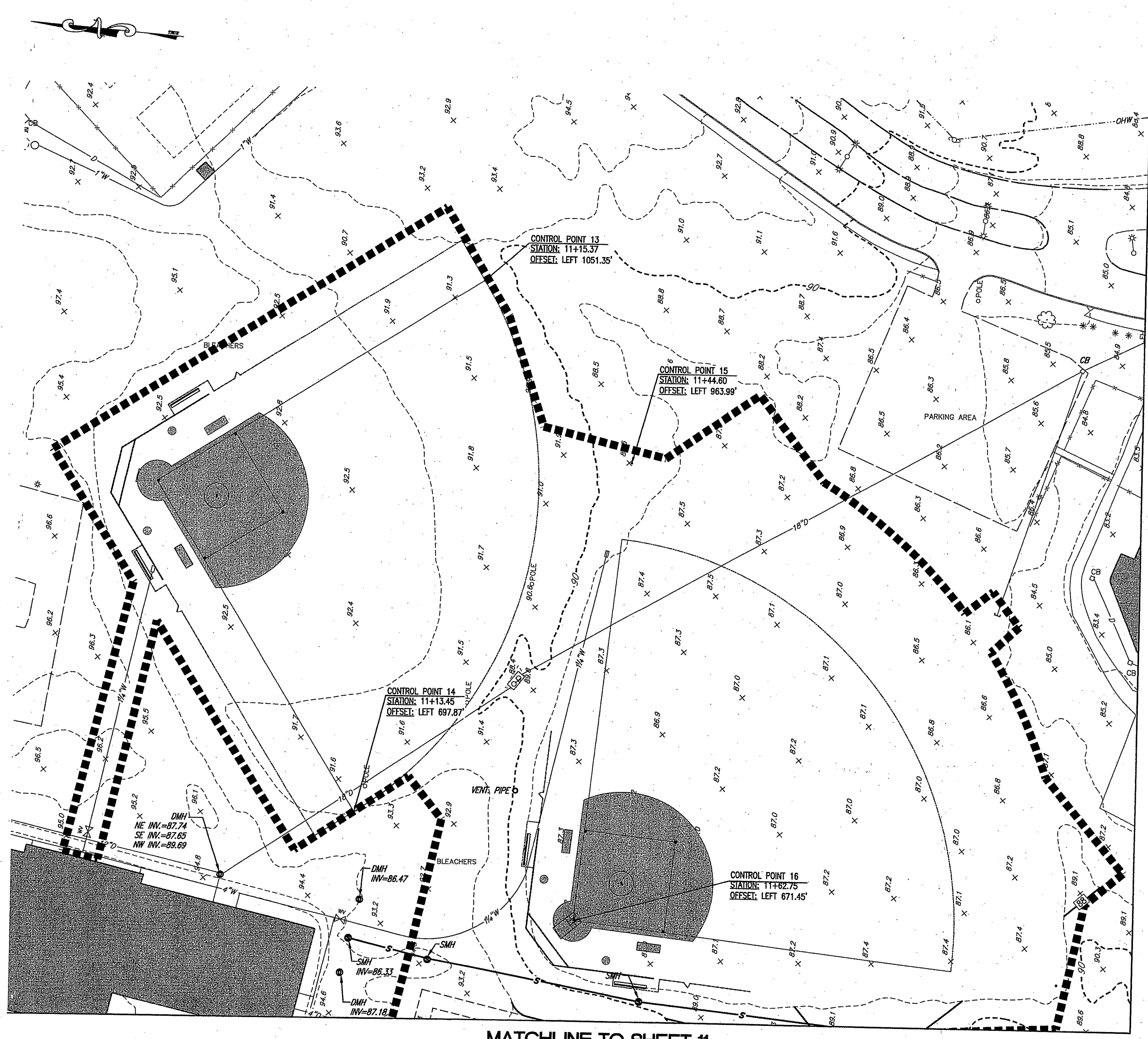
# CAITO CORPORATION

LAND PLANNERS

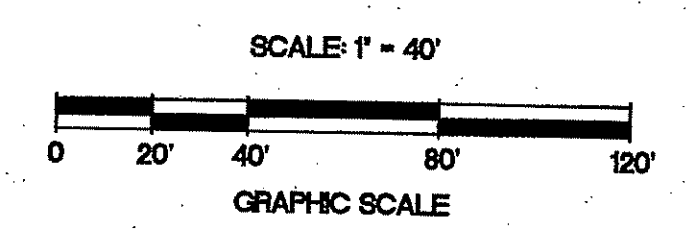
PROJECT NO: 807.1530  
DATE: OCTOBER, 2008  
SCALE: 1" = 40'  
DESIGNED BY: J.C.H. C.M.W.  
DRAWN BY: K.M.A. P.T.E.  
CHECKED BY: J.P.C. G.H.Q.

SITE LAYOUT, GRADING AND UTILITY PLAN/ PROJECT AREA - 6  
EAST GREENWICH HIGH SCHOOL  
ATHLETIC FIELD IMPROVEMENTS  
AVENGER DRIVE  
RHODE ISLAND  
EAST GREENWICH  
PREPARED FOR  
EAST GREENWICH PUBLIC SCHOOLS

DRAWING NUMBER  
**16**  
SHEET 16 OF 42



MATCHLINE TO SHEET 11



MATCHLINE TO SHEET 18

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESH WATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED AUG 21 2009 FILE # 09-0092  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL AT  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Charles A. Herbert*

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 OFFICE OF WATER RESOURCES

NO.	DATE	REVISION	COMMENTS
1	7/7/09		

**JOHN P. CAITO**  
 No. 0395  
 REGISTERED PROFESSIONAL ENGINEER

PREPARED BY **CIVIL ENGINEERS**  
 141 JAMES P. MURPHY HIGHWAY  
 WEST WARWICK, RHODE ISLAND 02893-9389  
 401-615-8600  
 fax: 401-615-8600

**CAITO CORPORATION**  
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PROJECT NO: 807.1530  
 DATE: OCTOBER, 2008  
 SCALE: 1" = 40'  
 DESIGNED BY: J.C.H., C.M.W.  
 DRAWN BY: K.M.A., P.T.E.  
 CHECKED BY: J.P.C., G.H.G.

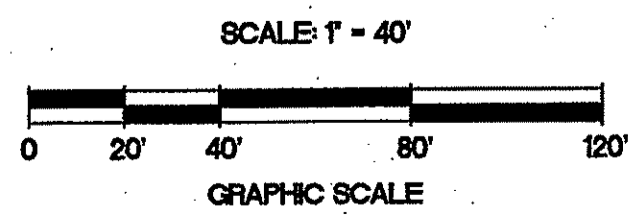
SITE LAYOUT, GRADING AND UTILITY PLAN/ PROJECT AREA - 7  
**EAST GREENWICH HIGH SCHOOL  
 ATHLETIC FIELD IMPROVEMENTS**  
 AVENGER DRIVE  
 EAST GREENWICH  
 RHODE ISLAND  
 PREPARED FOR  
**EAST GREENWICH PUBLIC SCHOOLS**

DRAWING NUMBER  
**17**  
 SHEET 17 OF 42

MATCHLINE TO SHEET 17



MATCHLINE TO SHEET 12



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED AUG 21 2009 FILE # 09-0092  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
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*Charles A. Horbe*

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NO.	DATE	REVISION
1	7/7/09	RIDEM COMMENTS

**JOHN P. CAITO**  
 No. 00893-9382  
 PROFESSIONAL ENGINEER

PREPARED BY **CIVIL ENGINEERS**  
 141 JAMES P. MURPHY HIGHWAY  
 WEST WARWICK, RHODE ISLAND  
 08893-9382  
 401-675-8600  
 fax: 401-675-8606

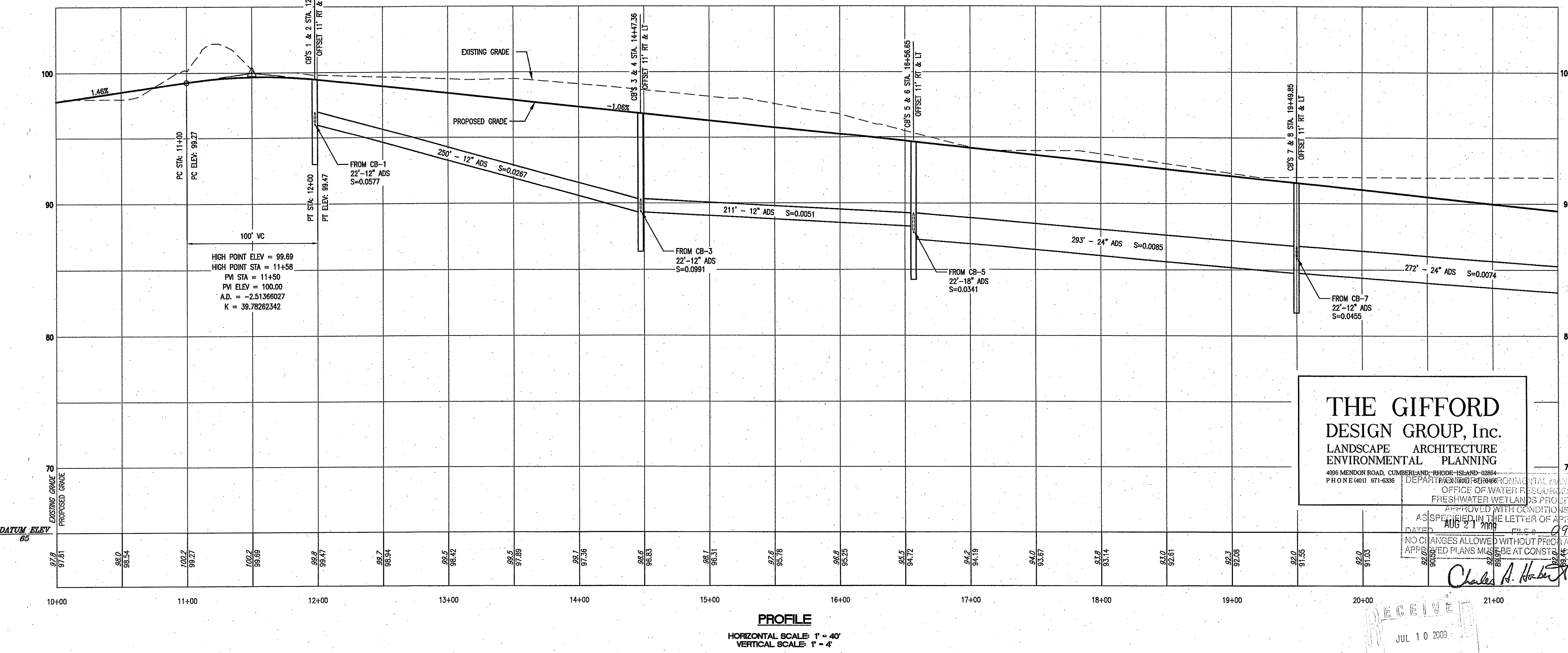
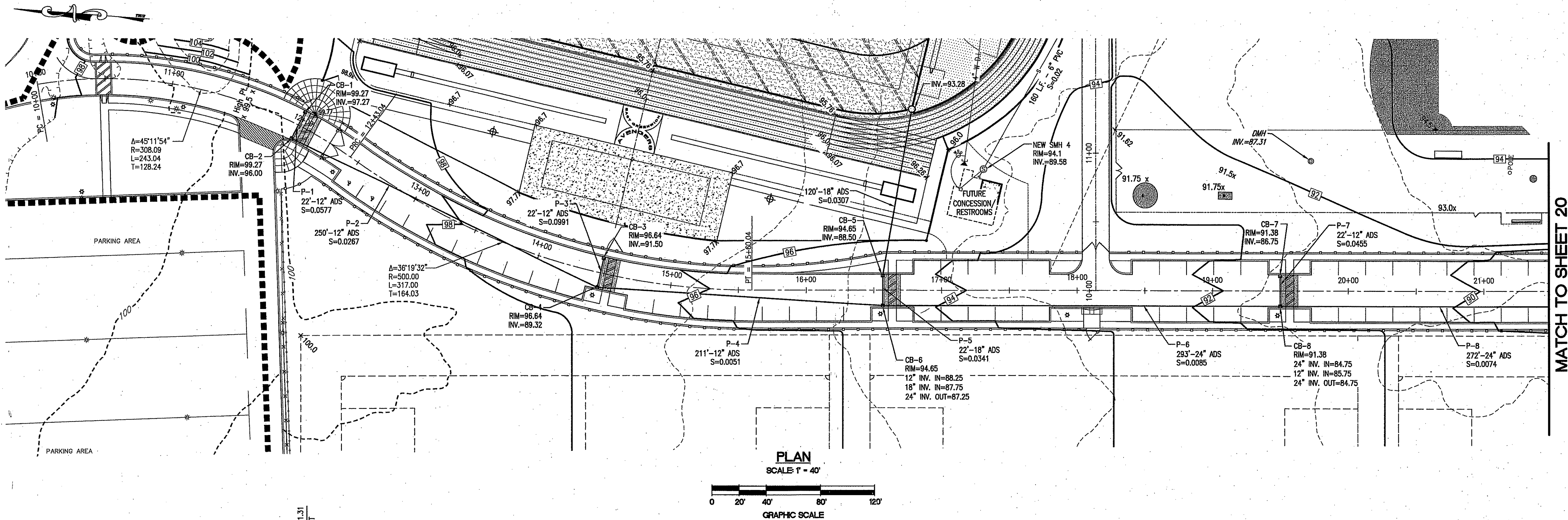
**CAITO CORPORATION**  
 LAND PLANNERS

PROJECT NO.: 807.1530  
 DATE: OCTOBER, 2008  
 SCALE: 1" = 40'  
 DESIGNED BY: J.C.H., C.M.W.  
 DRAWN BY: K.M.A., P.T.E.  
 CHECKED BY: J.P.C., G.H.G.

SITE LAYOUT, GRADING AND UTILITY PLAN/ PROJECT AREA - 8  
 EAST GREENWICH HIGH SCHOOL  
 ATHLETIC FIELD IMPROVEMENTS  
 AVENGER DRIVE  
 EAST GREENWICH  
 RHODE ISLAND  
 PREPARED FOR  
 EAST GREENWICH PUBLIC SCHOOLS

DRAWING NUMBER  
**18**  
 SHEET 18 OF 42

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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  
DATE: AUG 21 2008 FILE # 09-0092  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Charles A. Haber*

NO. DATE	REVISION
1 11/17/08	DEM. COMMENTS

PREPARED BY: CIVIL ENGINEERS  
**John P. Caito**  
 141 JAMES P. MURPHY HIGHWAY  
 WEST WARWICK, RHODE ISLAND  
 02893-2392  
 401-415-8600  
 FAX: 401-415-8605

LAND PLANNERS

PROJECT NO: 807.1530  
 DATE: OCTOBER, 2008  
 SCALE: AS SHOWN  
 DESIGNED BY: J.C.H., C.M.W.  
 DRAWN BY: K.M.A., P.T.E.  
 CHECKED BY: J.P.C., G.H.Q.

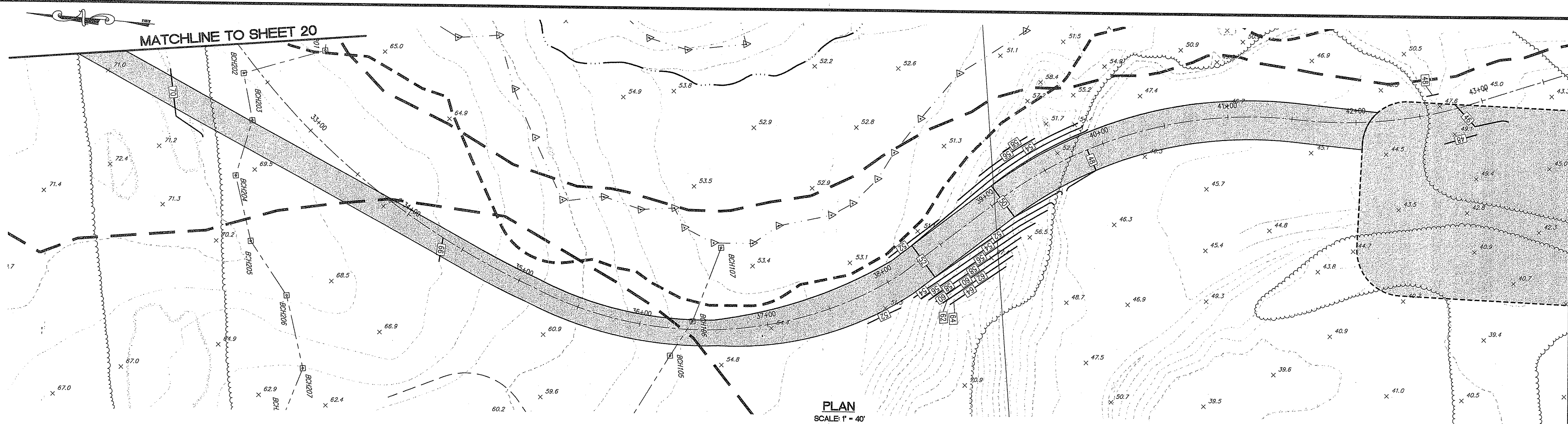
PLAN AND PROFILE - 1  
 EAST GREENWICH HIGH SCHOOL  
 ATHLETIC FIELD IMPROVEMENTS  
 AVENGER DRIVE  
 EAST GREENWICH, RHODE ISLAND  
 PREPARED FOR  
 EAST GREENWICH PUBLIC SCHOOLS

DRAWING NUMBER  
**19**  
 SHEET 19 OF 42

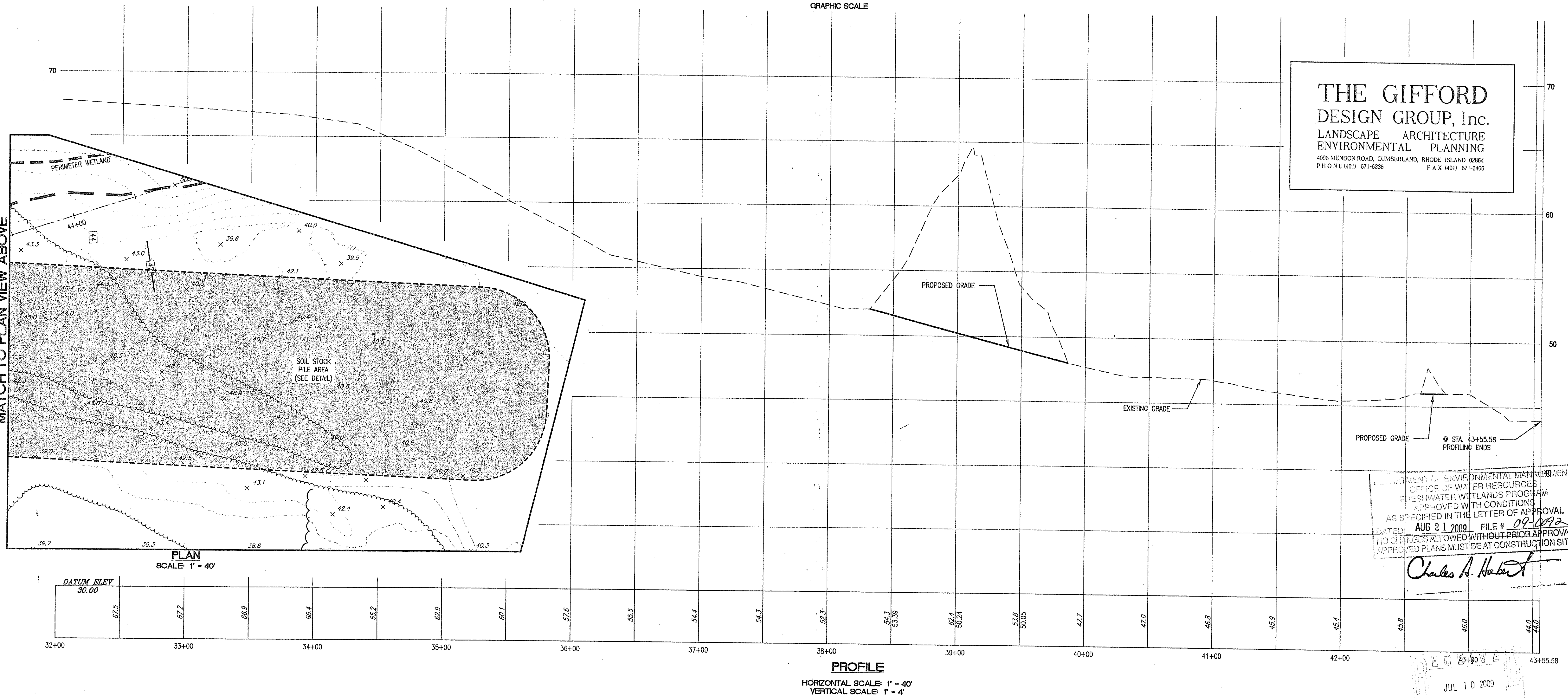
RECEIVED  
 JUL 10 2009



8071530 PLAN & PROFILE\_9-22-08\_02.dwg (DISK: 2-10447)



END OF PROFILE - SEE INSET FOR PLAN VIEW



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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 AUG 21 2009 FILE # 09-092  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Charles A. Herbert*

NO.	DATE	REVISION COMMENTS
1	4/7/09	
2	6/30/09	

**JOHN P. CAITO**  
No. 4398  
PROFESSIONAL ENGINEER

PREPARED BY CIVIL ENGINEERS  
**Aito CORPORATION**  
LAND PLANNERS  
141 JAMES P. MURPHY HIGHWAY  
WEST WARWICK, RHODE ISLAND  
02893-2388  
401-615-8600  
Fax: 401-615-8606

PROJECT NO: 8071530  
DATE: OCTOBER, 2008  
SCALE: AS SHOWN  
DESIGNED BY: J.C.H. C.M.W.  
DRAWN BY: K.M.A. P.T.E.  
CHECKED BY: J.P.C. Q.H.G.

PLAN AND PROFILE - 3  
EAST GREENWICH HIGH SCHOOL  
ATHLETIC FIELD IMPROVEMENTS  
AVENGER DRIVE  
RHODE ISLAND  
EAST GREENWICH  
PREPARED FOR  
EAST GREENWICH PUBLIC SCHOOLS

DRAWING NUMBER  
**21**  
SHEET 21 OF 42

© 2008 JOHN P. CAITO CORPORATION

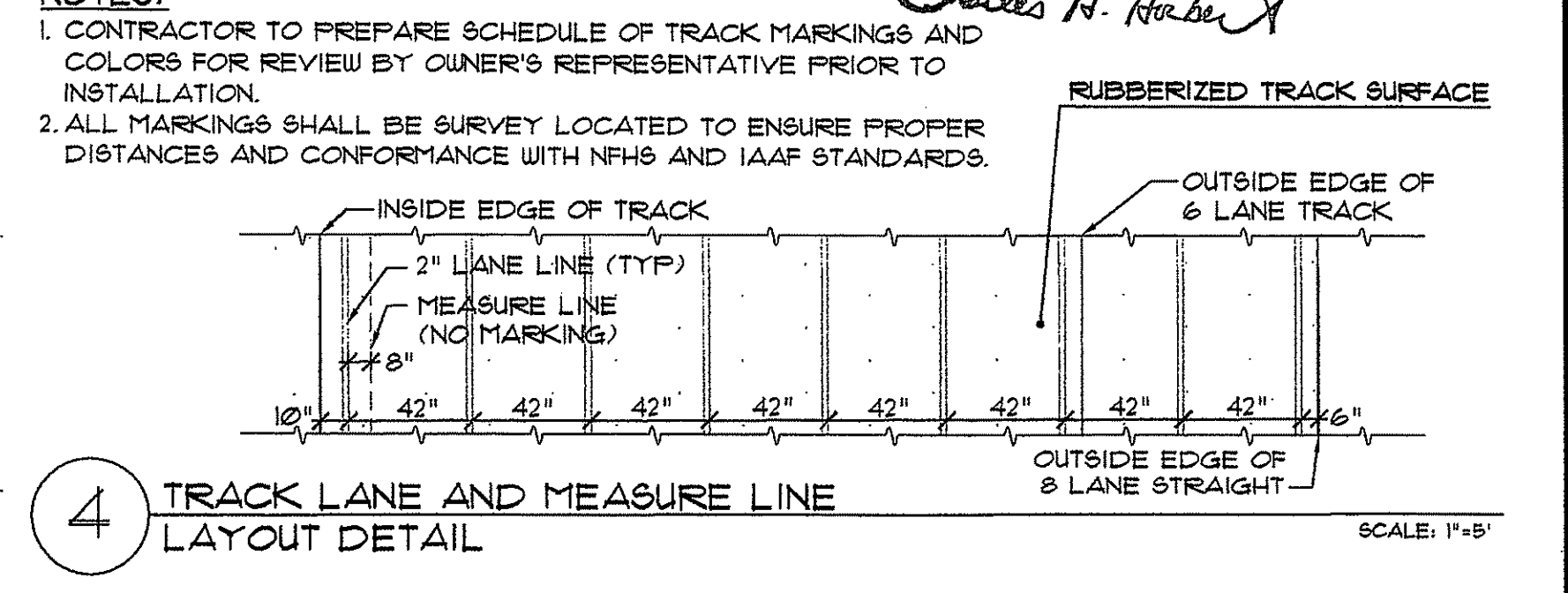
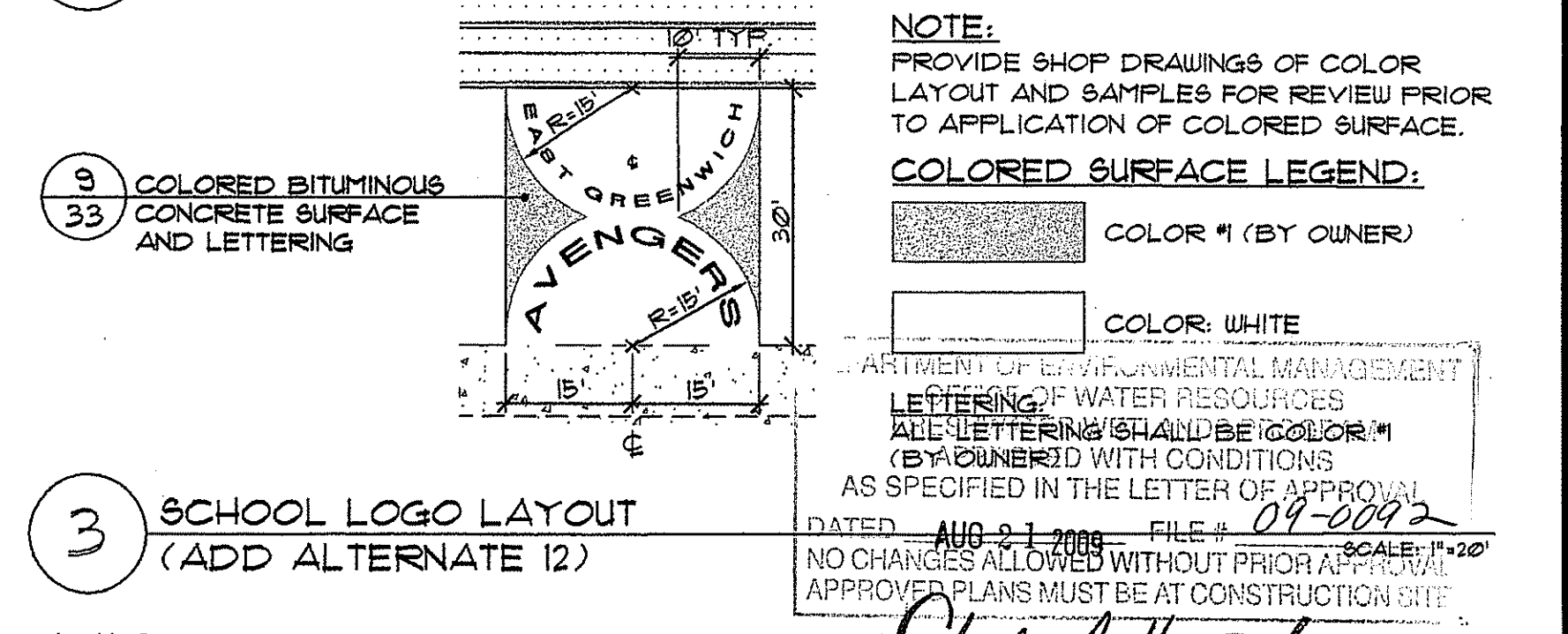
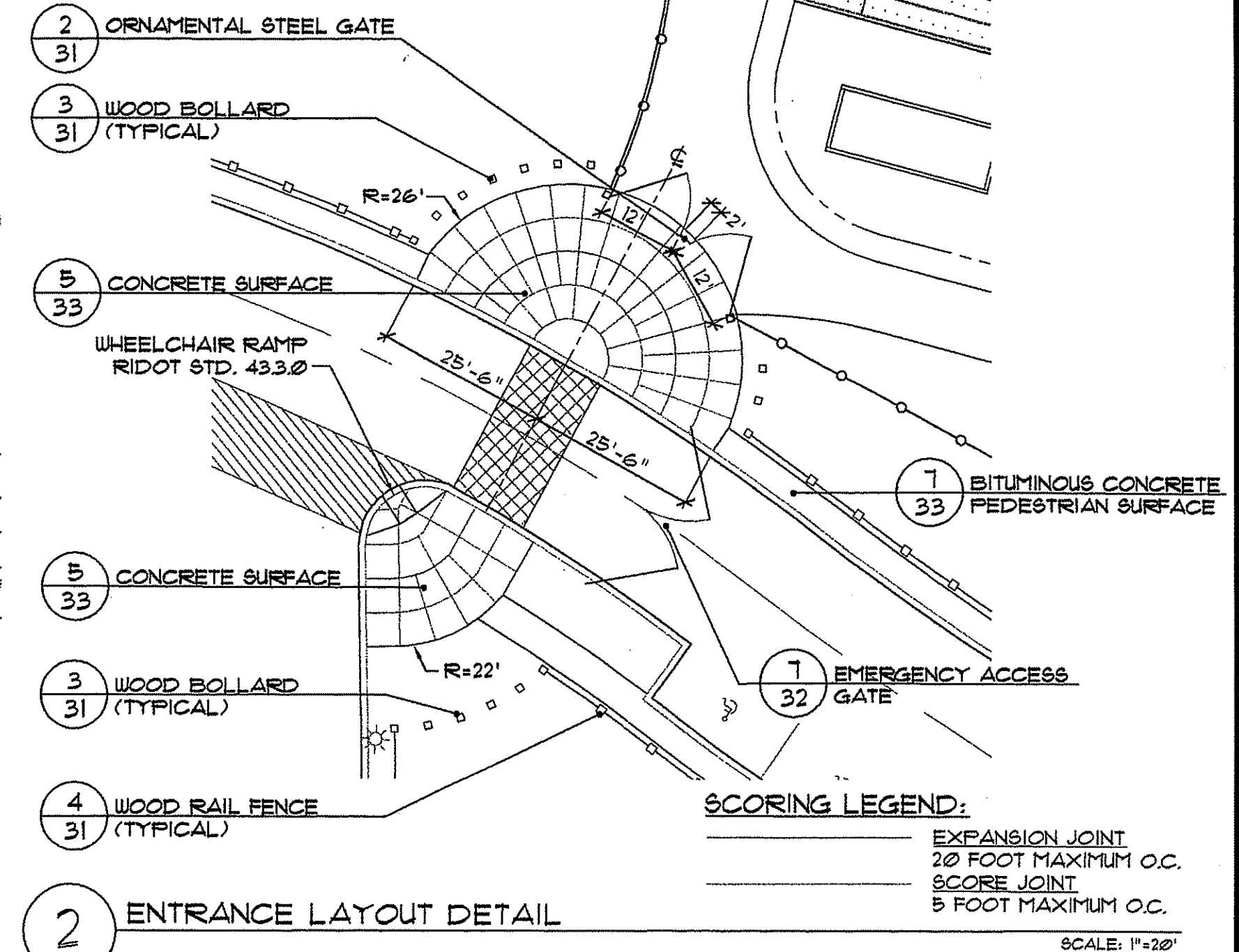
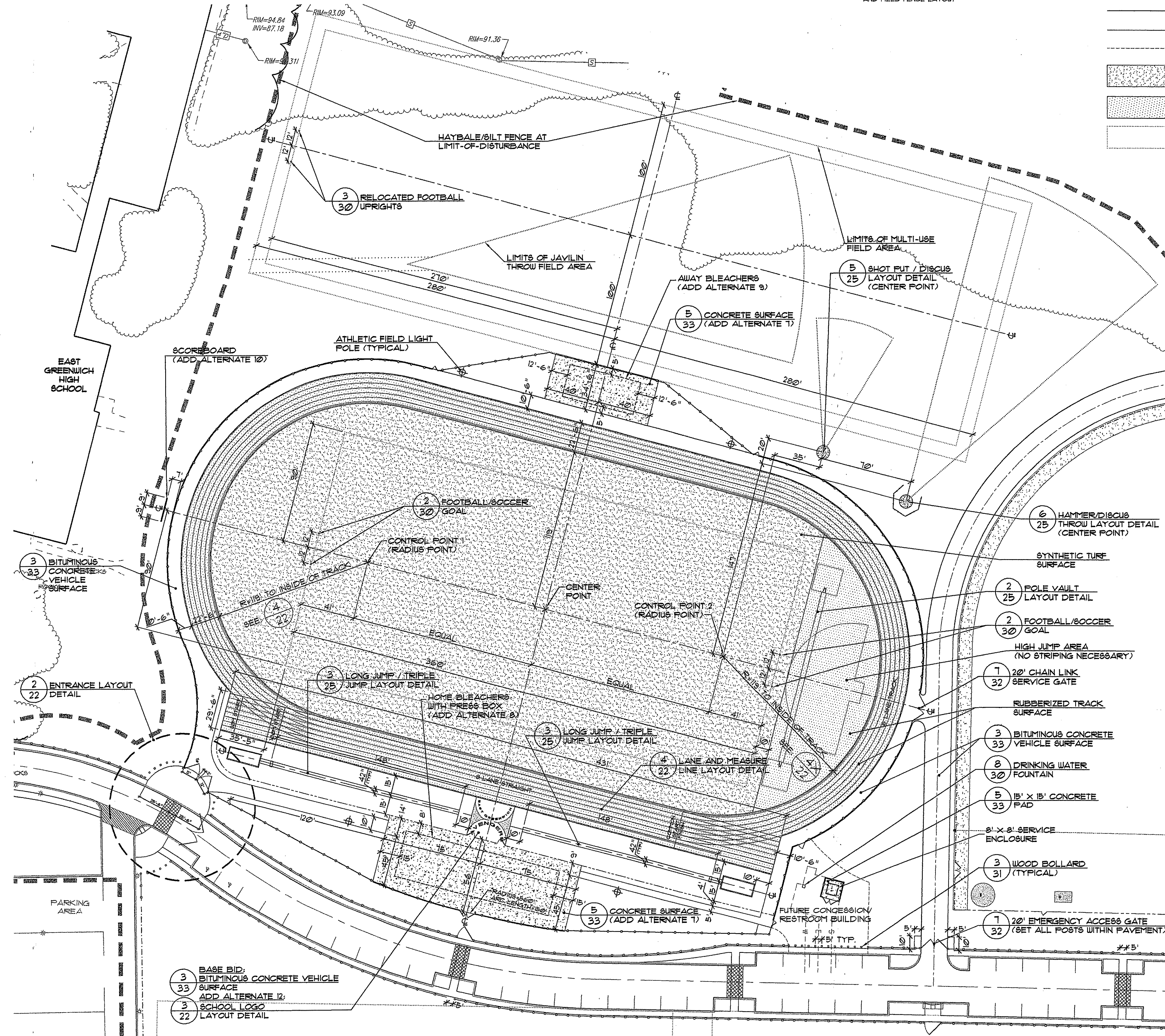
JUL 10 2009

TRACK LAYOUT NOTES:

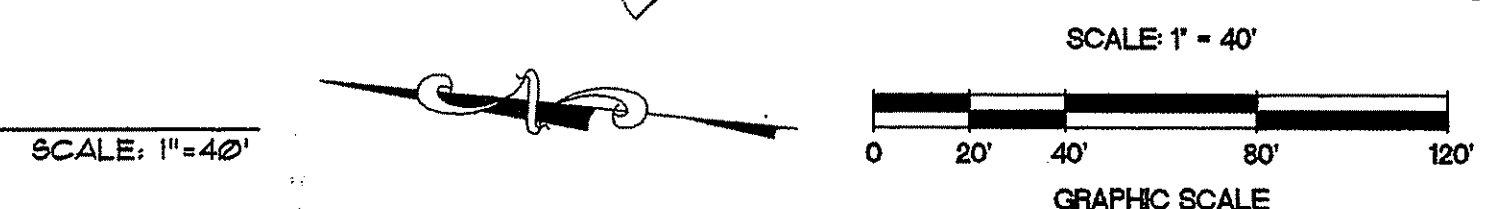
- 1. FINAL LAYOUT OF TRACK RADIUS AND LENGTHS SHALL ENSURE A FULL 400 METER TRACK AS MEASURED AT THE MEASURE LINE OF EACH LANE (SEE DETAIL 4).
- 2. SEE SHEET 31 OF THIS PLAN SET FOR MULTI-USE TRACK AND FIELD FENCE LAYOUT

LEGEND:

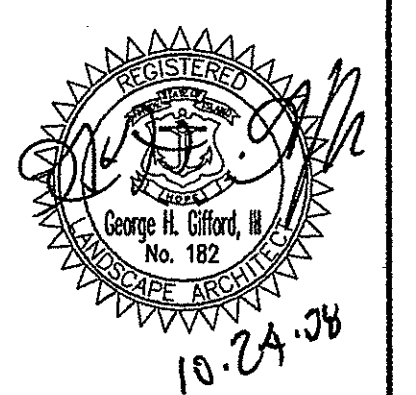
- EXISTING TREELINE
- PROPOSED TREELINE
- HAYBALE/SILT FENCE AT LIMIT-OF-DISTURBANCE
- PROPOSED EDGE OF PAVEMENT
- PROPOSED BITUMINOUS WALKWAY
- PROPOSED REINFORCED TURF PARKING
- PROPOSED SYNTHETIC SURFACE
- PROPOSED RUBBERIZED TRACK SURFACE
- SUGGESTED MULTI-USE FIELD LIMITS AND LAYOUT
- PROPOSED WOOD RAIL FENCE
- PROPOSED 8' HEIGHT CHAIN LINK FENCE
- PROPOSED 6' HEIGHT CHAIN LINK FENCE
- PROPOSED 4' HEIGHT CHAIN LINK FENCE
- PROPOSED LIGHT POLE
- PROPOSED SPEED BUMPS



1 TRACK & FIELD LAYOUT PLAN



**THE GIFFORD DESIGN GROUP, Inc.**  
 LANDSCAPE ARCHITECTURE  
 ENVIRONMENTAL PLANNING  
 4096 MENDON ROAD, CUMBERLAND, RHODE ISLAND 02864  
 P H O N E (401) 671-5336 F A X (401) 671-6466



REVISION NO. DATE

PREPARED BY CIVIL ENGINEERS

**AITO CORPORATION**  
LAND PLANNERS

PROJECT NO: 8071530  
 DATE: OCTOBER 2008  
 SCALE: 1" = 40'  
 DESIGNED BY: K.M.A.  
 DRAWN BY: P.T.E., K.M.A., W.S.  
 CHECKED BY: J.P.C., G.H.G.

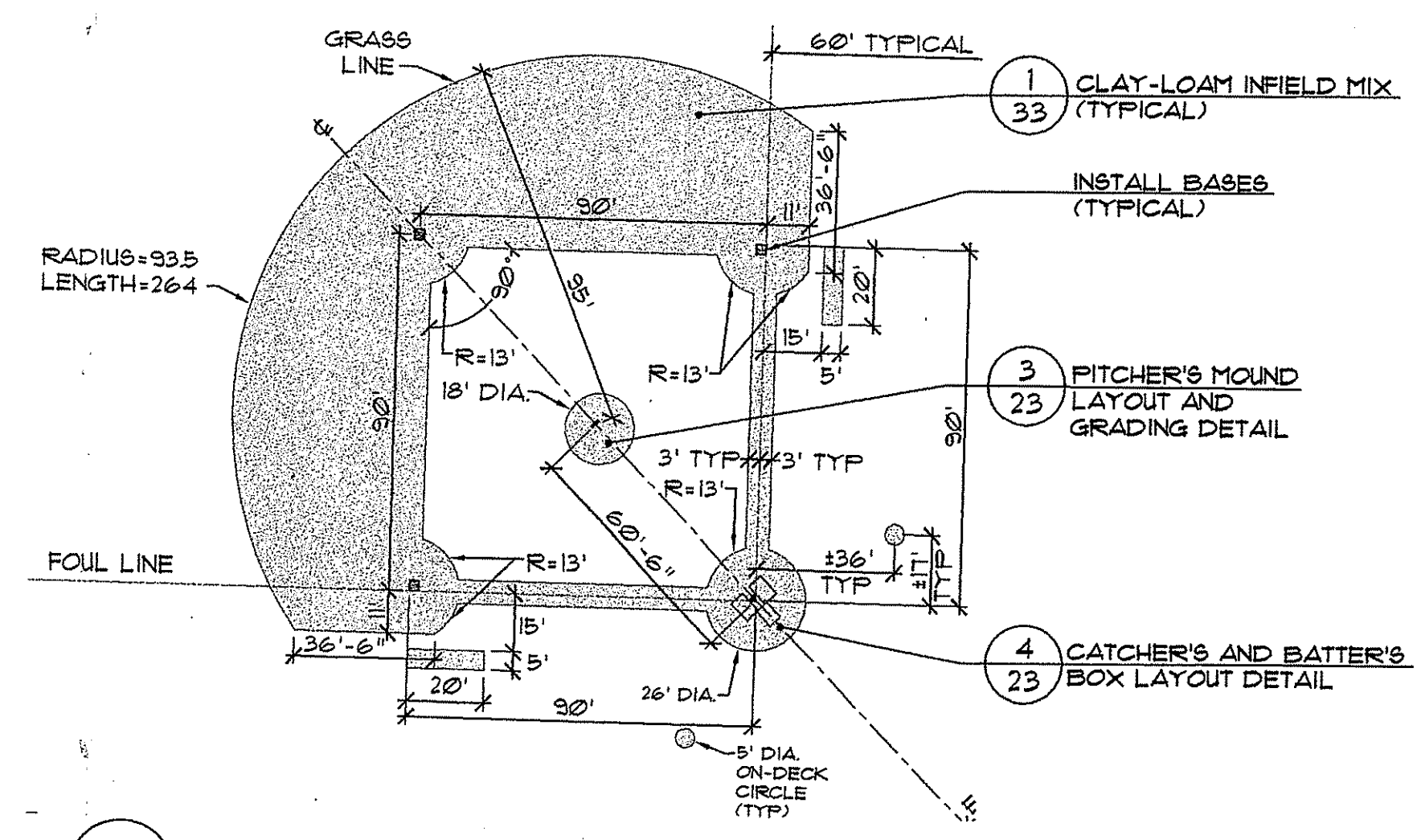
MULTI-USE TRACK AND FIELD LAYOUT AND DETAILS  
**EAST GREENWICH HIGH SCHOOL**  
**ATHLETIC FIELD IMPROVEMENTS**  
 AVENGER DRIVE  
 EAST GREENWICH, RHODE ISLAND

PREPARED FOR  
**EAST GREENWICH PUBLIC SCHOOLS**

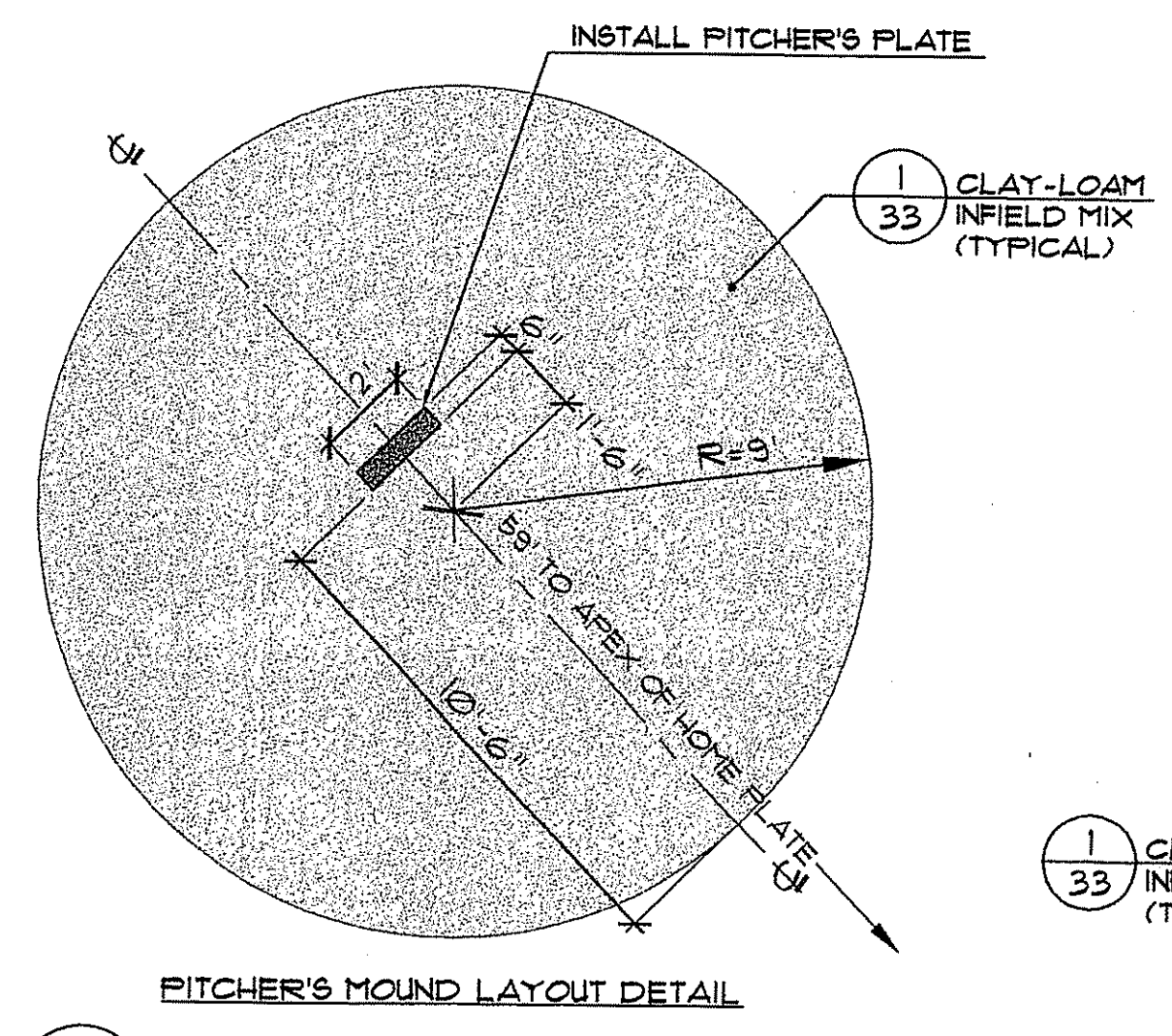
DRAWING NUMBER  
**22**

SHEET 22 OF 42

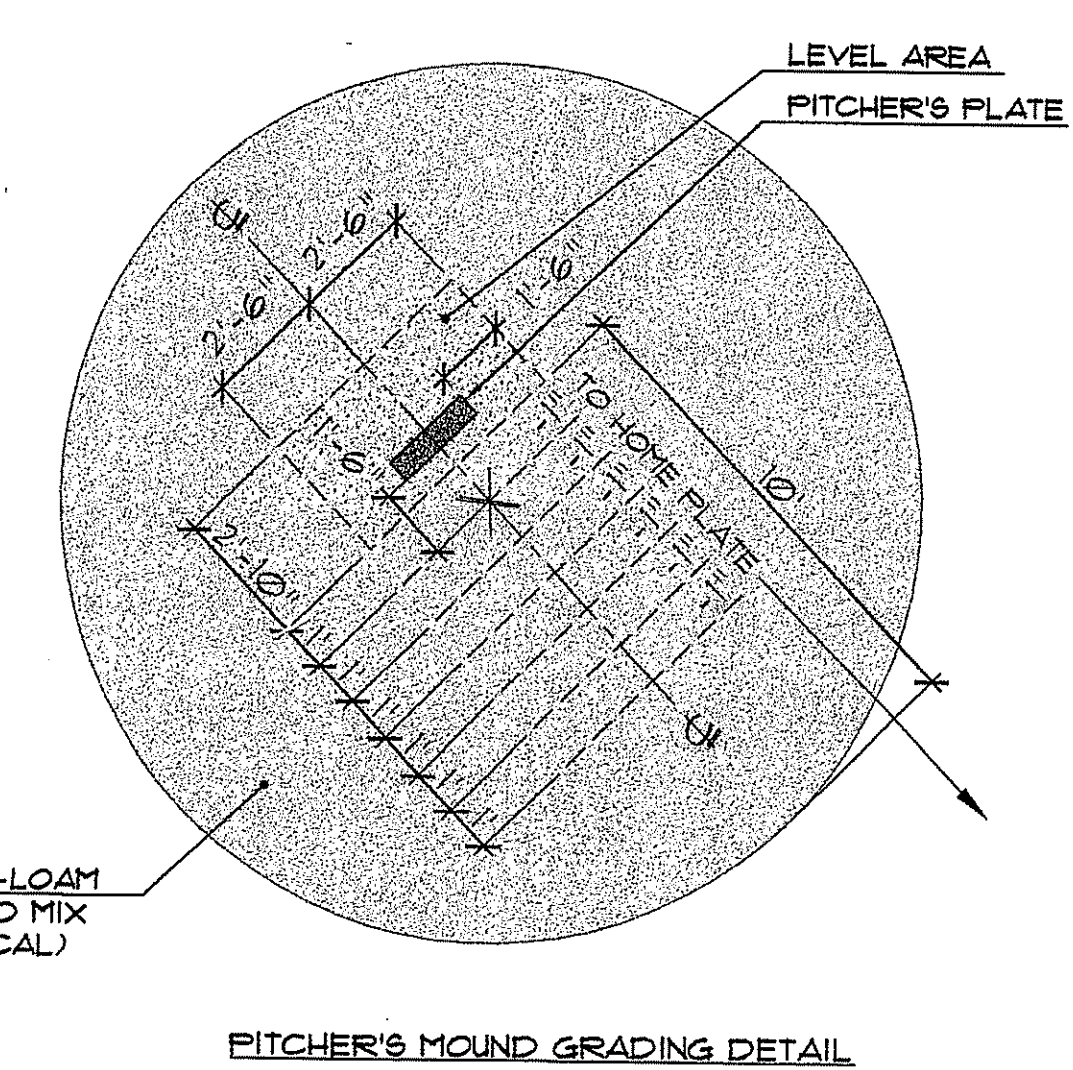
11.807.1530 Site Plan - Fields Layout\_10-25-08 R1.dwg (DISK: 2-1041)



**2** BASEBALL INFIELD LAYOUT  
 SCALE: 1"=40'



**3** PITCHER'S MOUND LAYOUT AND GRADING DETAIL  
 SCALE: 1"=40'

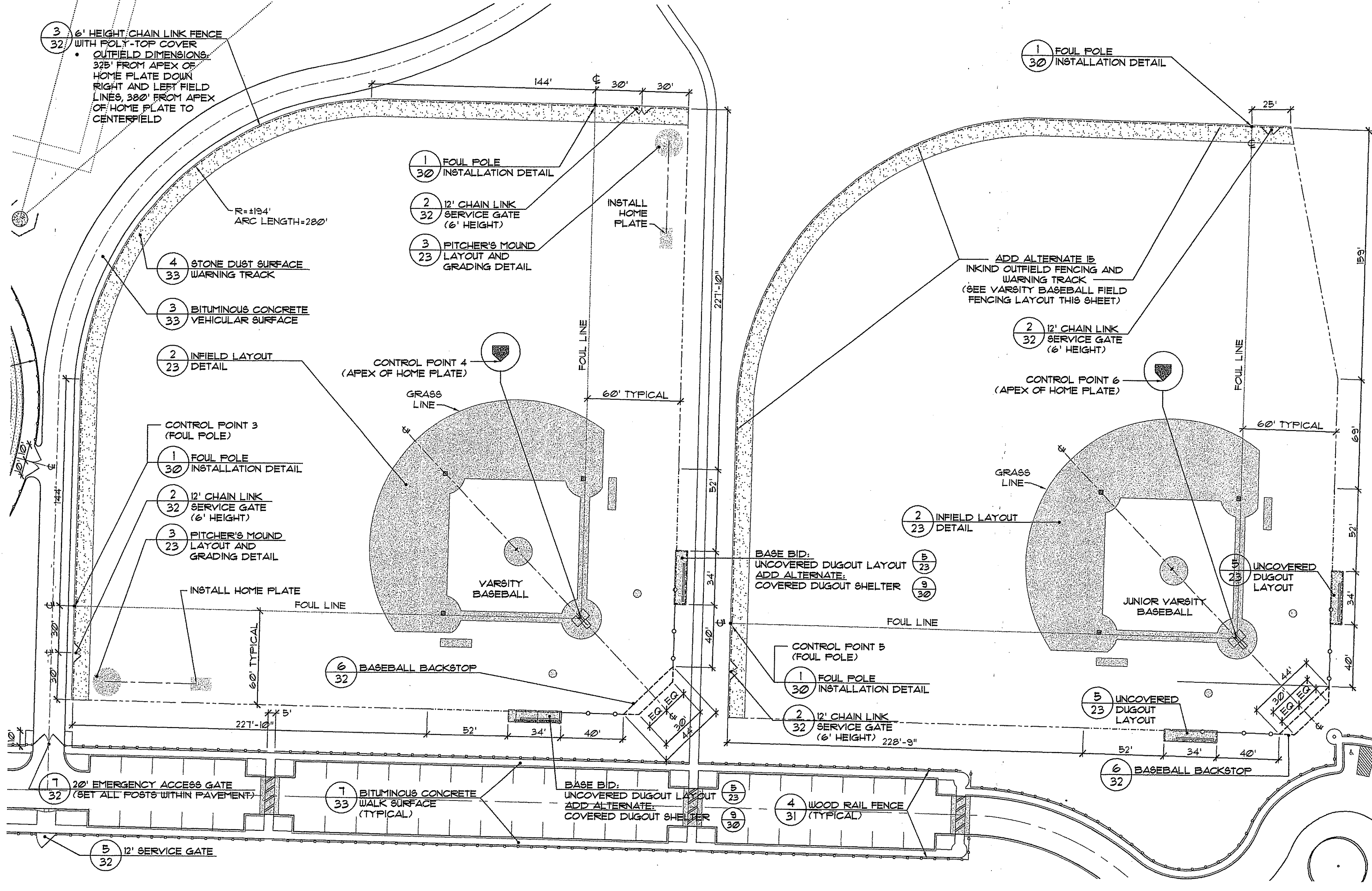


PITCHER'S MOUND GRADING DETAIL  
 SCALE: 1"=40'

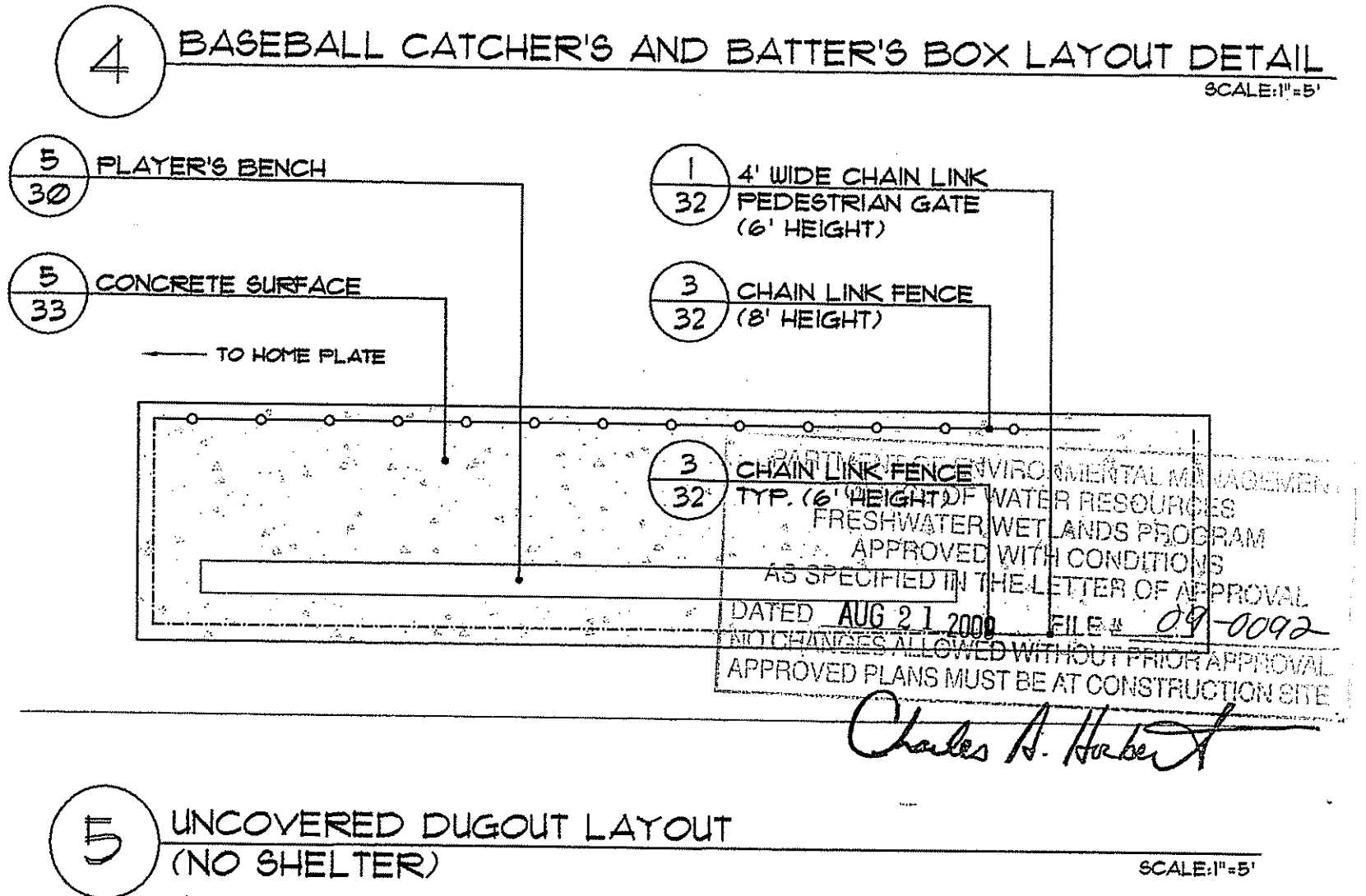
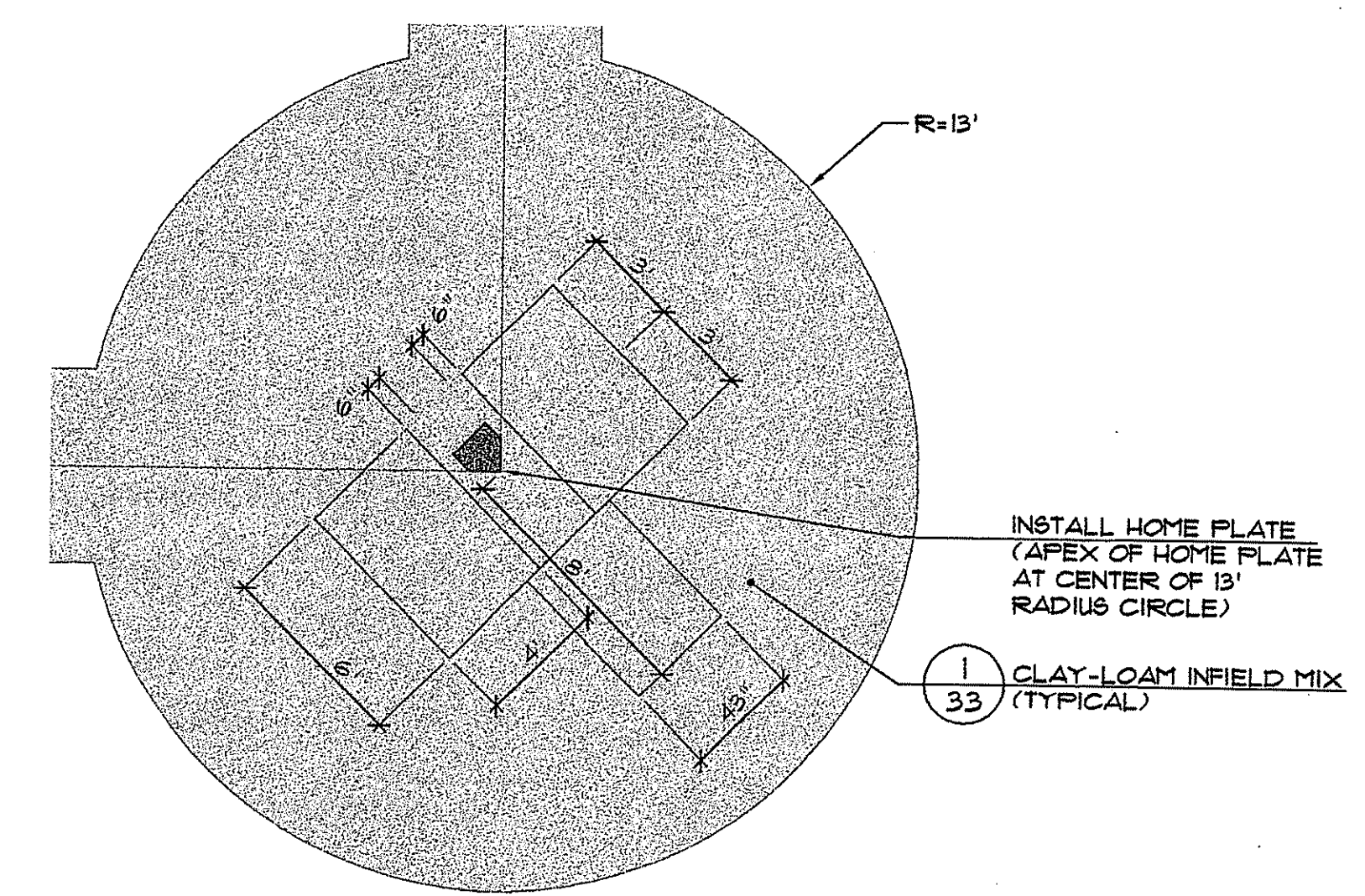
- BASEBALL FIELD(S) LAYOUT NOTES:**
- DIMENSIONS TO HOME PLATE ARE FROM THE APEX OF HOME PLATE (REAR OF PLATE).
  - DIMENSIONS TO 1ST AND 3RD BASE ARE TO OUTFIELD SIDE OF BASE.
  - DIMENSIONS TO 2ND BASE ARE TO CENTER OF BASE.
  - DIMENSIONS TO THE PITCHER'S PLATE ARE TO FRONT (HOME PLATE SIDE) OF PLATE.
  - DISTANCE FROM APEX OF HOME PLATE THROUGH PITCHER'S MOUND TO CENTER OF 2ND BASE MUST MEASURE 121'-3 3/8".
  - THE PITCHER'S MOUND SHALL BE AN EIGHTEEN (18) FOOT DIAMETER CIRCLE THE CENTER OF WHICH IS FIFTY-NINE (59) FEET FROM THE BACK OF HOME PLATE (SEE BASEBALL INFIELD LAYOUT DETAIL, THIS SHEET). THE PITCHER'S MOUND SHALL HAVE A RADIUS OF NINE (9) FEET CENTERED EIGHTEEN (18) INCHES IN FRONT OF THE MIDPOINT OF THE FRONT EDGE OF THE PITCHER'S PLATE. THE DISTANCE FROM THE FRONT EDGE OF THE PITCHER'S PLATE TO THE BACK POINT OF HOME PLATE SHALL BE SIXTY (60) FEET, SIX (6) INCHES.
  - THE TOP OF THE PITCHER'S PLATE SHALL BE TEN (10) INCHES ABOVE THE TOP SURFACE ELEVATION OF HOME PLATE. THE INSIDE OF THE PITCHER'S MOUND CIRCLE SHALL BE CONSTRUCTED ACCORDING TO THE MEASUREMENTS SHOWN IN THE DIAGRAMS IN (23).
  - THE DEGREE OF SLOPE STARTING FROM A POINT SIX (6) INCHES IN FRONT OF THE PITCHER'S PLATE TO A POINT SIX (6) FEET TOWARD HOME PLATE SHALL BE ONE INCH TO ONE FOOT, AND SUCH DEGREE OF SLOPE SHALL BE UNIFORM. THE DEGREE OF SLOPE STARTING FROM A POINT TWENTY-TWO (22) INCHES BEHIND THE PITCHER'S PLATE TO THE PITCHER'S MOUND CIRCLE EDGE SHALL BE GRADUAL AND UNIFORM.
  - A LEVEL AREA SURROUNDING THE PITCHER'S PLATE SHALL BE SIX (6) INCHES IN FRONT OF THE PITCHER'S PLATE, EIGHTEEN (18) INCHES TO EACH SIDE AND TWENTY-TWO (22) INCHES TO THE REAR OF THE PITCHER'S PLATE. THE DIMENSIONS OF THE TOTAL LEVEL AREA SHALL BE THIRTY-FOUR (34) INCHES BY FIVE (5) FEET.

**LEGEND:**

	PROPOSED EDGE OF PAVEMENT
	PROPOSED BITUMINOUS WALKWAY
	PROPOSED REINFORCED TURF PARKING
	PROPOSED CLAY-LOAM INFIELD MIX (1/33)
	PROPOSED STONE DUST SURFACE WARNING TRACK (4/33)
	SUGGESTED MULTI-USE FIELD LIMITS AND LAYOUT
	PROPOSED FOUL LINE
	PROPOSED WOOD RAIL FENCE (4/31)
	PROPOSED BACKSTOP FENCE
	PROPOSED 8' HEIGHT CHAIN LINK FENCE (1/31, 3/32)
	PROPOSED 6' HEIGHT CHAIN LINK FENCE (1/31, 3/32)
	PROPOSED 4' HEIGHT CHAIN LINK FENCE (1/31, 3/32)
	PROPOSED SPEED HUMPS



**1** BASEBALL FIELDS LAYOUT DETAIL  
 SCALE: 1"=40'



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 ENVIRONMENTAL PLANNING  
 4096 MENDON ROAD, CUMBERLAND, RHODE ISLAND 02864  
 PHONE (401) 671-6336 FAX (401) 671-6466  
 JUL 10 2009

**REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT**  
 George H. Gifford, II  
 No. 182  
 4-10-09

PREPARED BY: CIVIL ENGINEERS  
 141 JAMES P. MURPHY HIGHWAY  
 WEST WARWICK, RHODE ISLAND 02893-0388  
 401-915-8600  
 fax: 401-915-8606

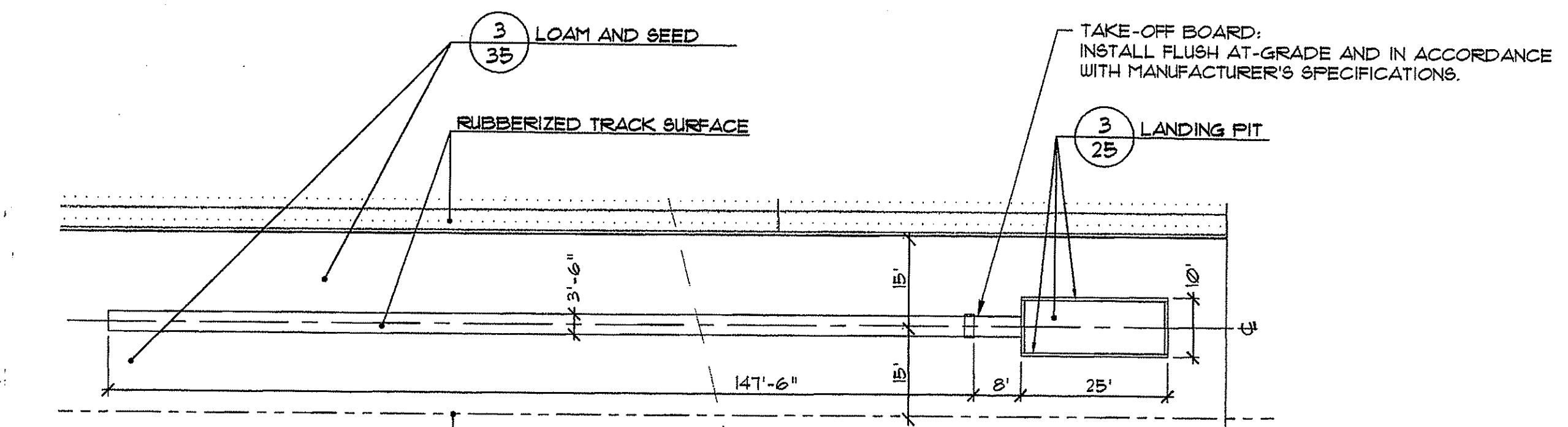
**Alto CORPORATION**  
 LAND PLANNERS

PROJECT NO: 8073500  
 DATE: OCTOBER, 2008  
 SCALE: 1" = 40'  
 DESIGNED BY: KMA  
 DRAWN BY: P.T.E., K.M.A., W.S.  
 CHECKED BY: J.P.C., G.H.G.

BASEBALL FIELDS LAYOUT AND DETAILS  
 EAST GREENWICH HIGH SCHOOL  
 ATHLETIC FIELD IMPROVEMENTS  
 AVENGER DRIVE  
 EAST GREENWICH  
 PREPARED FOR  
 EAST GREENWICH PUBLIC SCHOOLS

DRAWING NUMBER  
**23**  
 SHEET 23 OF 42

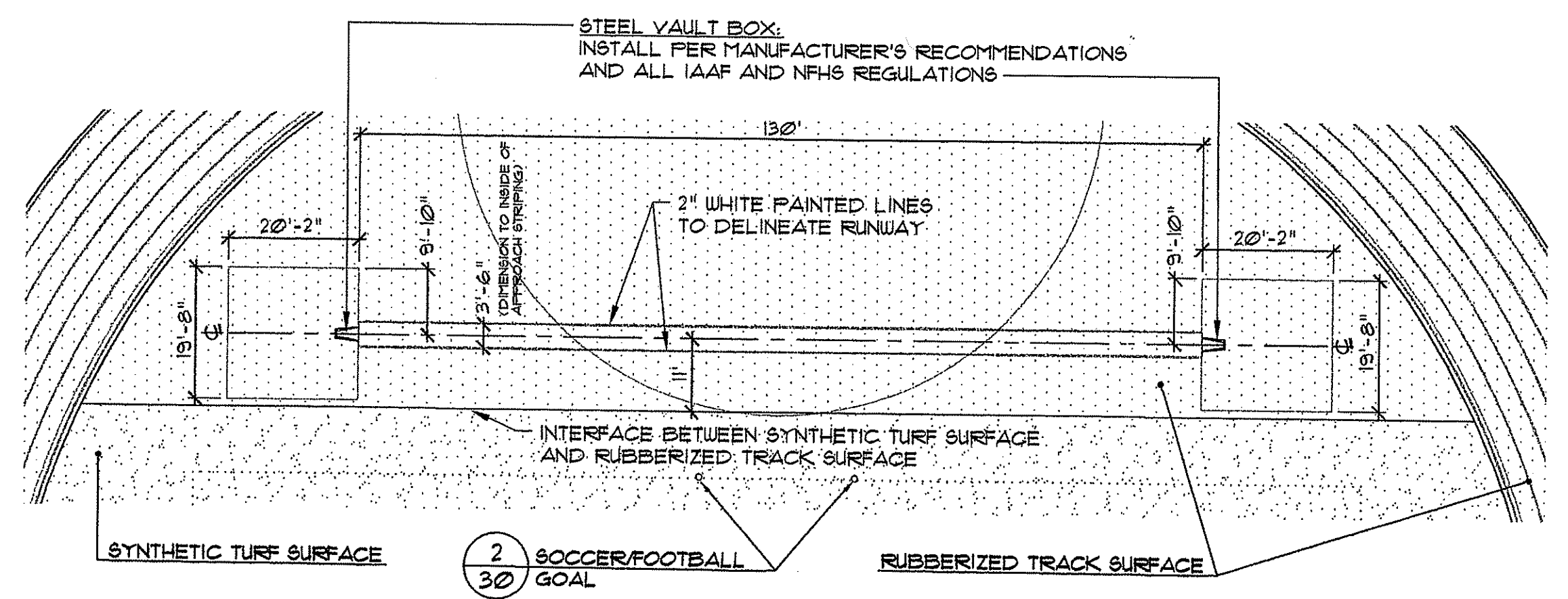




1 LONG JUMP / TRIPLE JUMP LAYOUT DETAIL

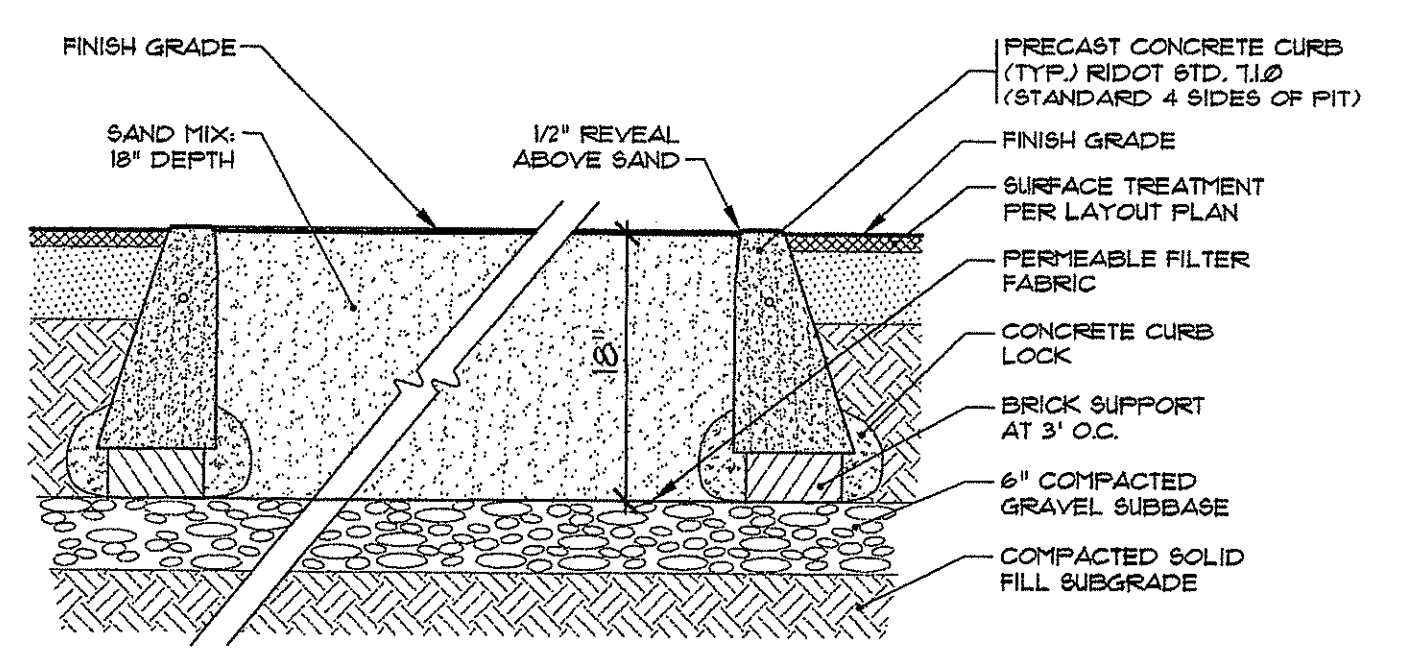
SCALE: 1"=20'

- NOTES:
1. CONTRACTOR TO PROVIDE STRIPING ON RUNWAYS FOR BOTH LONG-JUMP AND TRIPLE JUMP EVENTS IN ACCORDANCE WITH IAAF AND NFHS REGULATIONS.
  2. PROVIDE SHOP DRAWINGS OF MARKINGS PRIOR TO INSTALLATION, AND AS-BUILT DRAWINGS FOLLOWING COMPLETION.
  3. THIS DETAIL IS INTENDED TO BE TYPICAL LAYOUT OF LONG-JUMP/TRIPLE JUMP RUNWAY AND LANDING PIT, FOR USE IN LAYING OUT BOTH LONG-JUMP/TRIPLE JUMP AREAS.



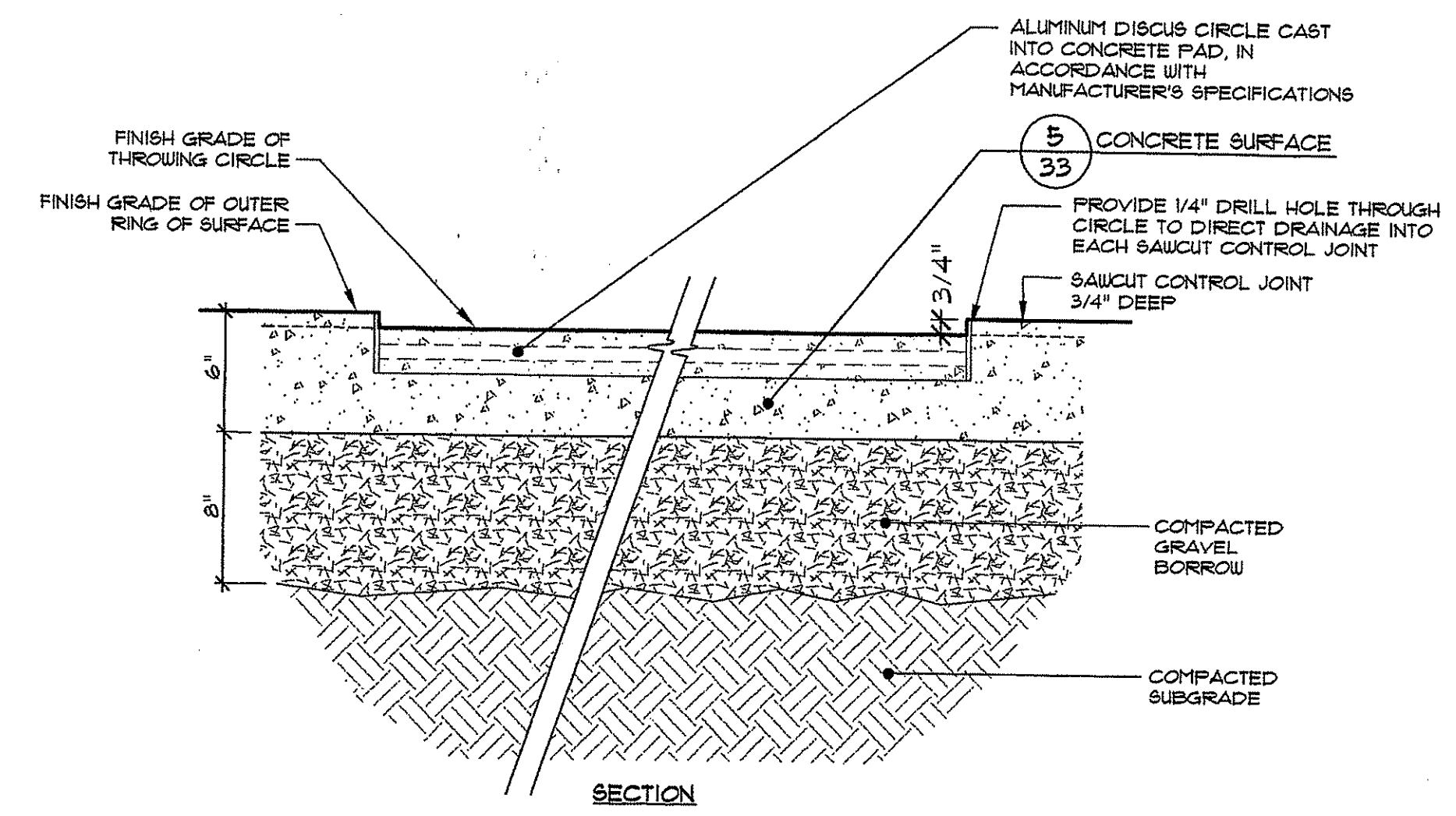
2 POLE VAULT LAYOUT DETAIL

SCALE: 1"=20'



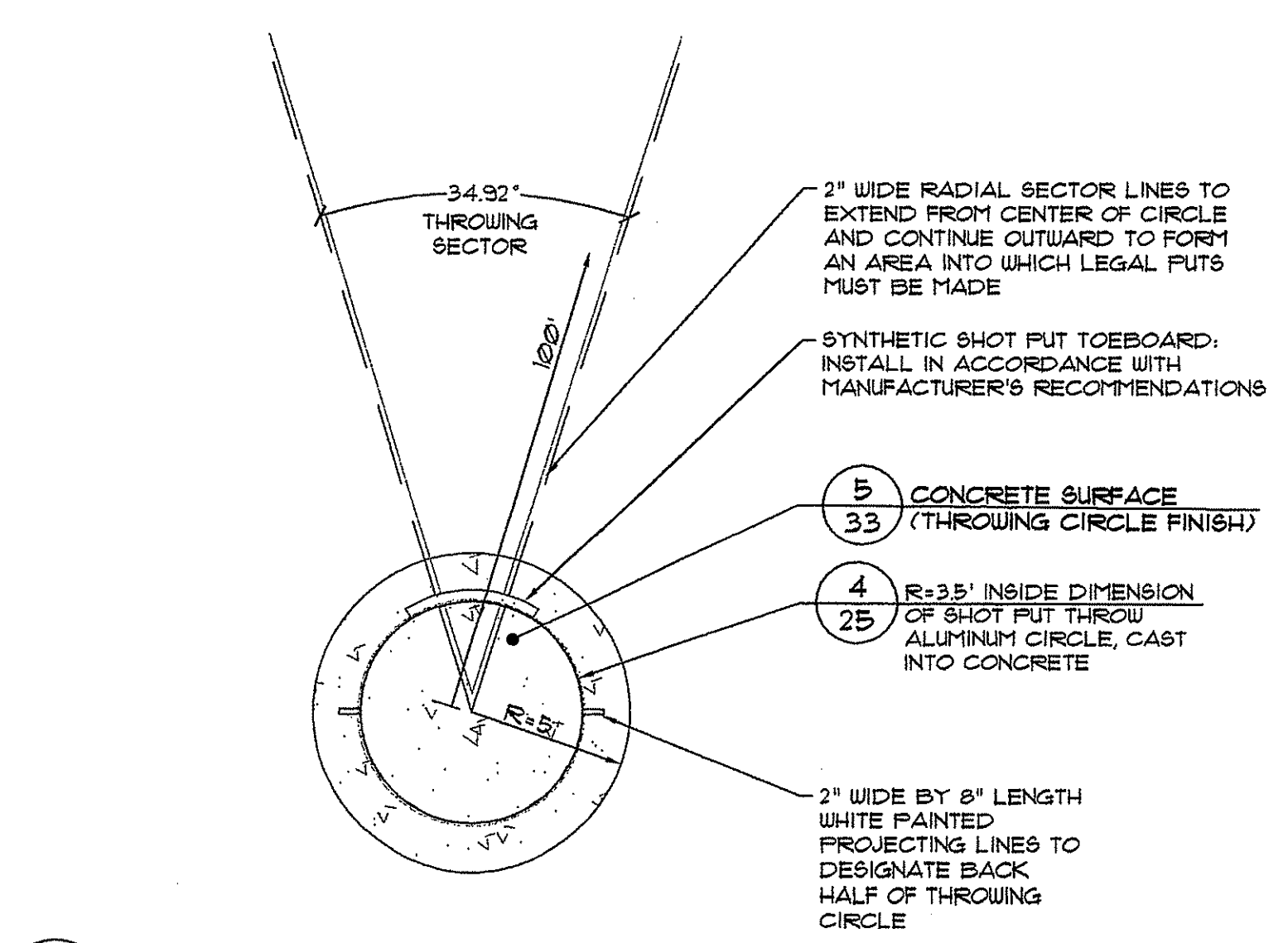
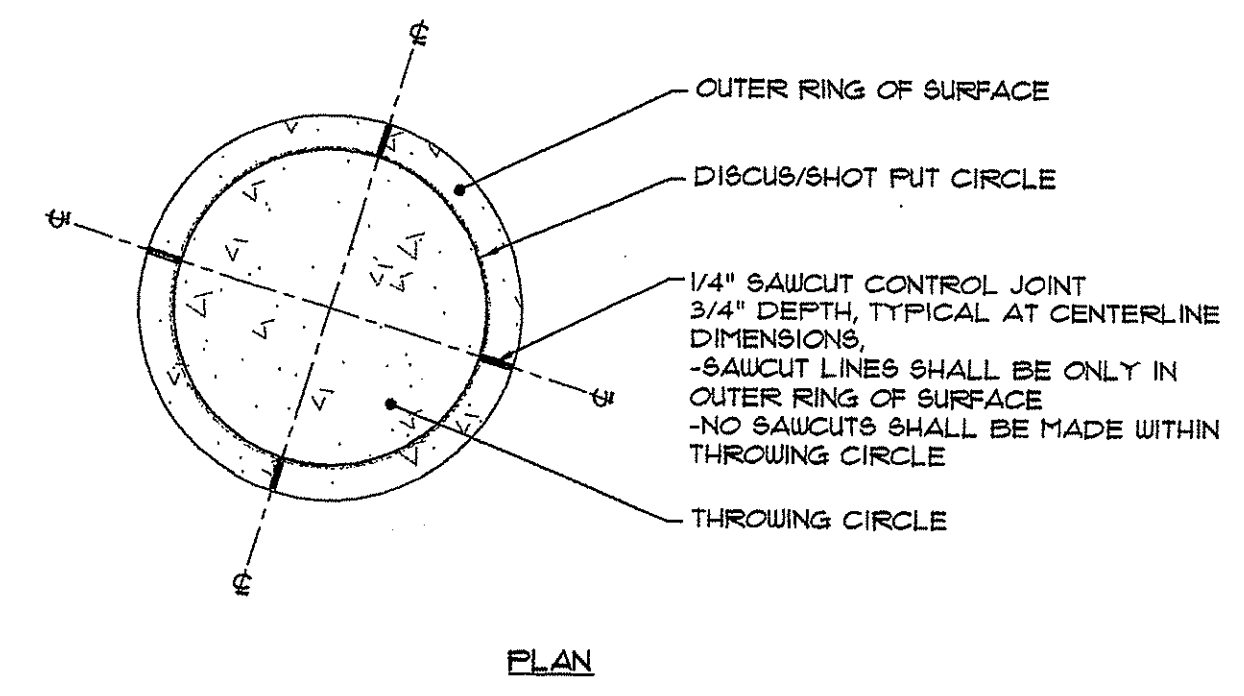
3 LONG-JUMP / TRIPLE JUMP LANDING PIT

NOT TO SCALE



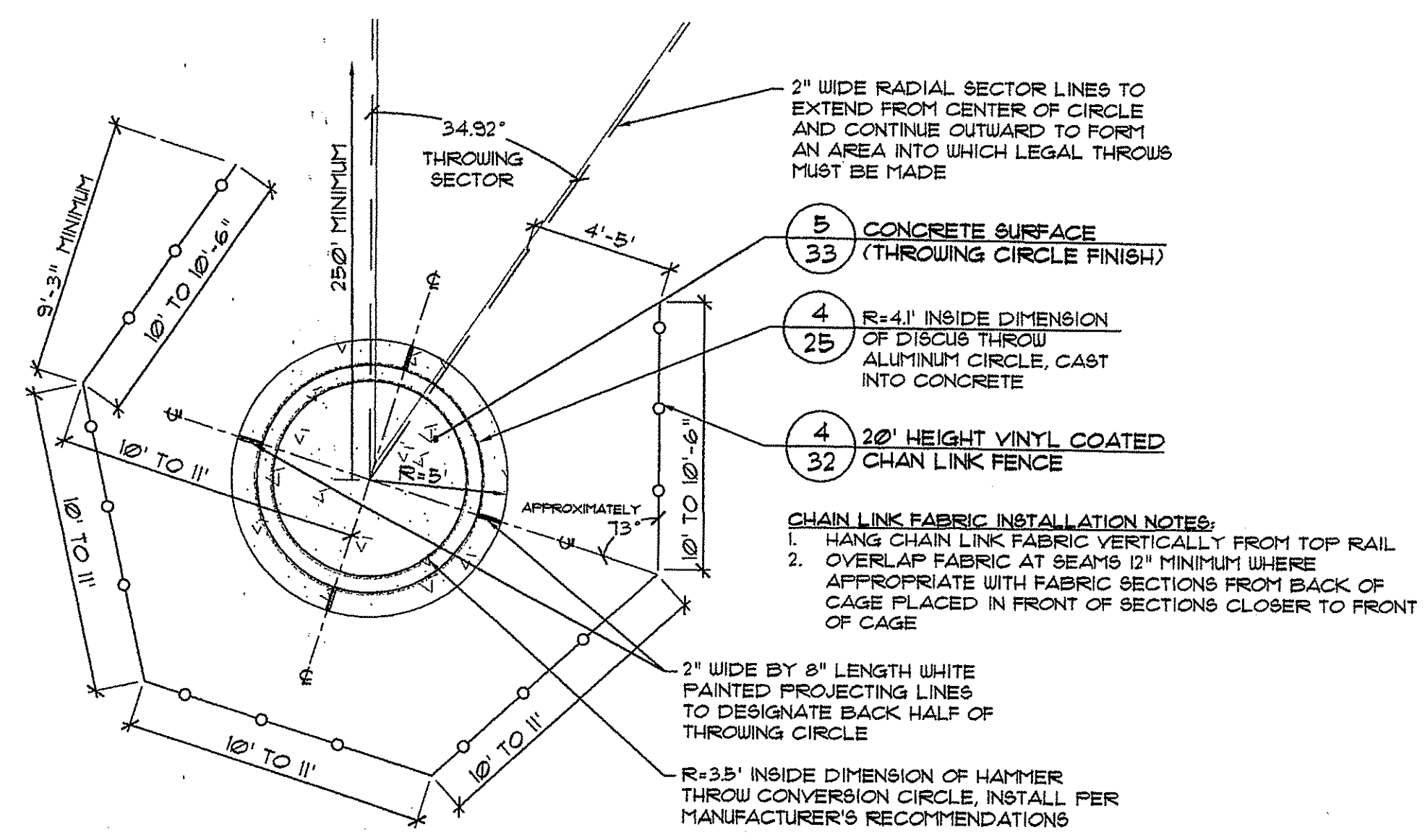
4 DISCUS/SHOT PUT CIRCLE INSTALLATION

NOT TO SCALE



5 SHOT PUT LAYOUT DETAIL

SCALE: 1"=5'



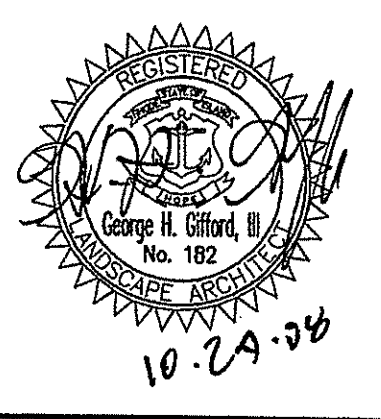
6 HAMMER THROW/DISCUS LAYOUT DETAIL

SCALE: 1"=5'

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED AUG 21 2009 FILE # 09-0092  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Herbert

**THE GIFFORD DESIGN GROUP, Inc.**  
LANDSCAPE ARCHITECTURE  
ENVIRONMENTAL PLANNING  
4096 MENDON ROAD, CUMBERLAND, RHODE ISLAND 02864  
PHONE (401) 671-6336 FAX (401) 671-6466



NO.	DATE	REVISION

PREPARED BY CIVIL ENGINEERS  
141 JAMES P. MURPHY HIGHWAY  
WEST WARWICK, RHODE ISLAND  
02891-3282  
401-615-8600  
fax: 401-615-8606

**Alto** CORPORATION  
LAND PLANNERS

PROJECT NO: 8071530  
DATE: OCTOBER, 2008  
SCALE: AS SHOWN  
DESIGNED BY: COMPILED  
DRAWN BY: KMA, W.S.  
CHECKED BY: J.P.C., G.H.G.

FIELD EVENT LAYOUT DETAILS  
EAST GREENWICH HIGH SCHOOL  
ATHLETIC FIELD IMPROVEMENTS  
AVENGER DRIVE  
EAST GREENWICH  
PREPARED FOR  
EAST GREENWICH PUBLIC SCHOOLS  
RHODE ISLAND

DRAWING NUMBER  
**25**  
SHEET 25 OF 42

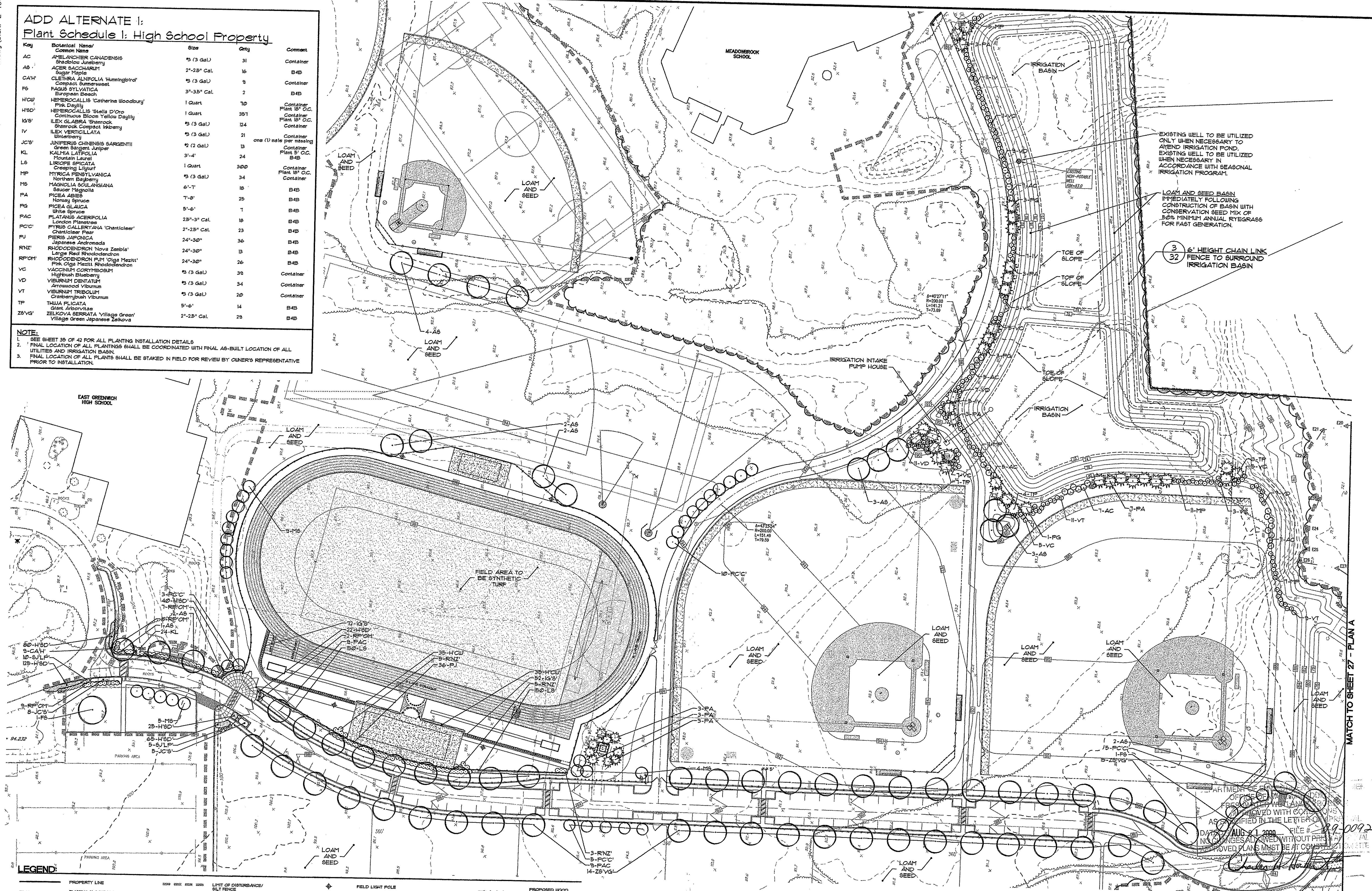
RECEIVED  
JUL 10 2009

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**ADD ALTERNATE 1:  
Plant Schedule 1: High School Property**

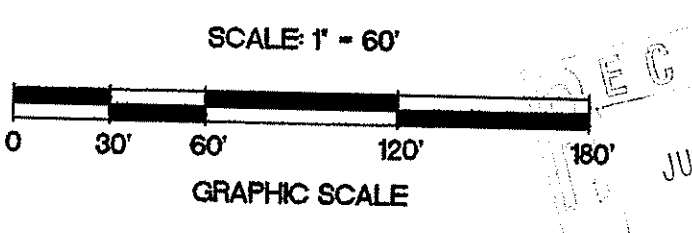
Key	Botanical Name/ Common Name	Size	Qty	Comment
AC	AMELANCHIER CANADENSIS Shadbolt Junberry	5 (3 Gal)	31	Container
AS	ACER SACCHARINUM Sugar Maple	2'-28" Cal.	16	B4B
CAH	CLETHRA ALNIFOLIA 'Hummelgold' Compact Summersweet	5 (3 Gal)	9	Container
FS	FAGUS STYLVATICA European Beech	3'-35" Cal.	2	B4B
HCB	HEBERCALLIS 'Catherine Woodbury' Pink Daylily	1 Quart	100	Container
HSD	HEBERCALLIS 'Stella D'Oro' Continuous Bloom Yellow Daylily	1 Quart	351	Container
IGS	ILEX GLABRA 'Shamrock' Shamrock Compact Highberry	5 (3 Gal)	124	Container
IV	ILEX VERTICILLATA Winterberry	5 (3 Gal)	21	Container
JCS	JUNIPERUS CHINENSIS SARGENTII Green Sargent Juniper	5 (2 Gal)	13	one (1) note per message
KL	KALMIA LATIFOLIA Mountain Laurel	3'-4'	24	Plant B' O.C. B4B
LS	LIRIODENDRON Creeping Ligular	1 Quart	300	Container
MP	MYRTICA PENNSYLVANICA Northern Bayberry	5 (3 Gal)	34	Plant B' O.C. Container
MS	MAGNOLIA SOULANGIANA Saucer Magnolia	6'-1'	18	B4B
PA	PICEA ABIES Norway Spruce	1'-8"	25	B4B
PG	PICEA MARIANA White Spruce	5'-6"	1	B4B
PAC	PLATANUS ACERIFOLIA London Planetree	25'-31" Cal.	18	B4B
PCO	FRAXINUS AMERICANA White Oak	2'-25" Cal.	23	B4B
FJ	FRAXINUS AMERICANA White Oak	24'-30"	36	B4B
RNZ	RHODODENDRON NOVA ZEMBLA Lodge Road Rhododendron	24'-30"	13	B4B
RPOH	RHODODENDRON PUM 'Oiga Mezitt' Pink Oiga Methyl Rhododendron	24'-30"	26	B4B
VC	VACCINIUM CORYMBOSUM Highbush Blueberry	5 (3 Gal)	38	Container
VD	VIBURNUM DENTATUM Arrowwood Viburnum	5 (3 Gal)	34	Container
VT	VIBURNUM TRICOLOR Crested Viburnum	5 (3 Gal)	20	Container
TP	THUNIA FLICATA Giant Arborvitae	5'-6"	14	B4B
ZS'VG	ZELKOYA SERATA 'Village Green' Village Green Japanese Zelkova	2'-25" Cal.	23	B4B

**NOTE:**  
1. SEE SHEET 35 OF 42 FOR ALL PLANTING INSTALLATION DETAILS.  
2. FINAL LOCATION OF ALL PLANTINGS SHALL BE COORDINATED WITH FINAL AS-BUILT LOCATION OF ALL UTILITIES AND IRRIGATION BASIN.  
3. FINAL LOCATION OF ALL PLANTS SHALL BE STAKED IN FIELD FOR REVIEW BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

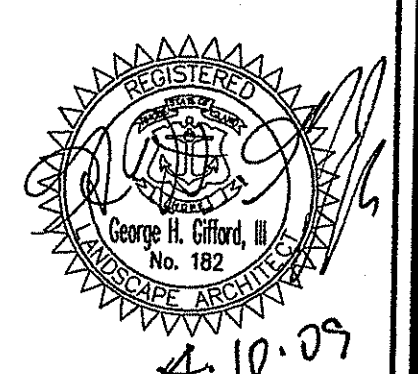


**LEGEND:**

PROPERTY LINE	EXISTING 2" CONTOUR	EXISTING 10" CONTOUR	EXISTING SPOT GRADE	PROPOSED 2" CONTOUR	WETLAND FLAG AND EDGE	EXISTING EDGE OF BEECH TREES	EXISTING 10' WIDE RIVER	EXISTING CART PATH	RIVERSIDE WETLAND	PERIMETER WETLAND
BOUNDARY MARK	WETLAND FLAG AND EDGE	EXISTING LIGHT POST	EXISTING SIGN	EXISTING TREELINE	PROPOSED TREELINE	PROPOSED EDGE OF PAVEMENT	PROPOSED ROADWAY CENTER LINE	PROPOSED HAIL ROAD LIMITS	FIELD LIGHT POLE	PROPOSED STREET LIGHT
PROPOSED WOOD RAIL FENCE	PROPOSED BY HEIGHT CHAIN LINK FENCE	PROPOSED 4" HEIGHT CHAIN LINK FENCE	PROPOSED 6" HEIGHT CHAIN LINK FENCE	PROPOSED 8" HEIGHT CHAIN LINK FENCE	PROPOSED 12" HEIGHT CHAIN LINK FENCE	PROPOSED 18" HEIGHT CHAIN LINK FENCE	PROPOSED 24" HEIGHT CHAIN LINK FENCE	PROPOSED 36" HEIGHT CHAIN LINK FENCE	PROPOSED SYNTHETIC SURFACE	PROPOSED RUBBERIZED TRACK SURFACE
PROPOSED GRASS HAIL ROAD RESTORATION PLANTING AREA (SEE HAIL ROAD RESTORATION AREA NOTES, SHEET 21 OF 42, THIS PLAN SET)	PROPOSED CLAY-LOAM INFIELD MIX	PROPOSED SPEED HUMP	PROPOSED SYNTHETIC SURFACE	PROPOSED RUBBERIZED TRACK SURFACE	SUGGESTED MULTI-USE FIELD LIMITS AND LAYOUT	PROPOSED CLAY-LOAM INFIELD MIX	PROPOSED WOOD RAIL FENCE	PROPOSED BY HEIGHT CHAIN LINK FENCE	PROPOSED 4" HEIGHT CHAIN LINK FENCE	PROPOSED 6" HEIGHT CHAIN LINK FENCE



**THE GIFFORD  
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NO.	DATE	REVISION
1	4-7-09	Per RIDEM Comments

PREPARED BY CIVIL ENGINEERS  
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141 JAMES P. MURPHY HIGHWAY  
WEST WARWICK, RHODE ISLAND  
08903-9389  
401-615-8600  
FAX: 401-615-8606

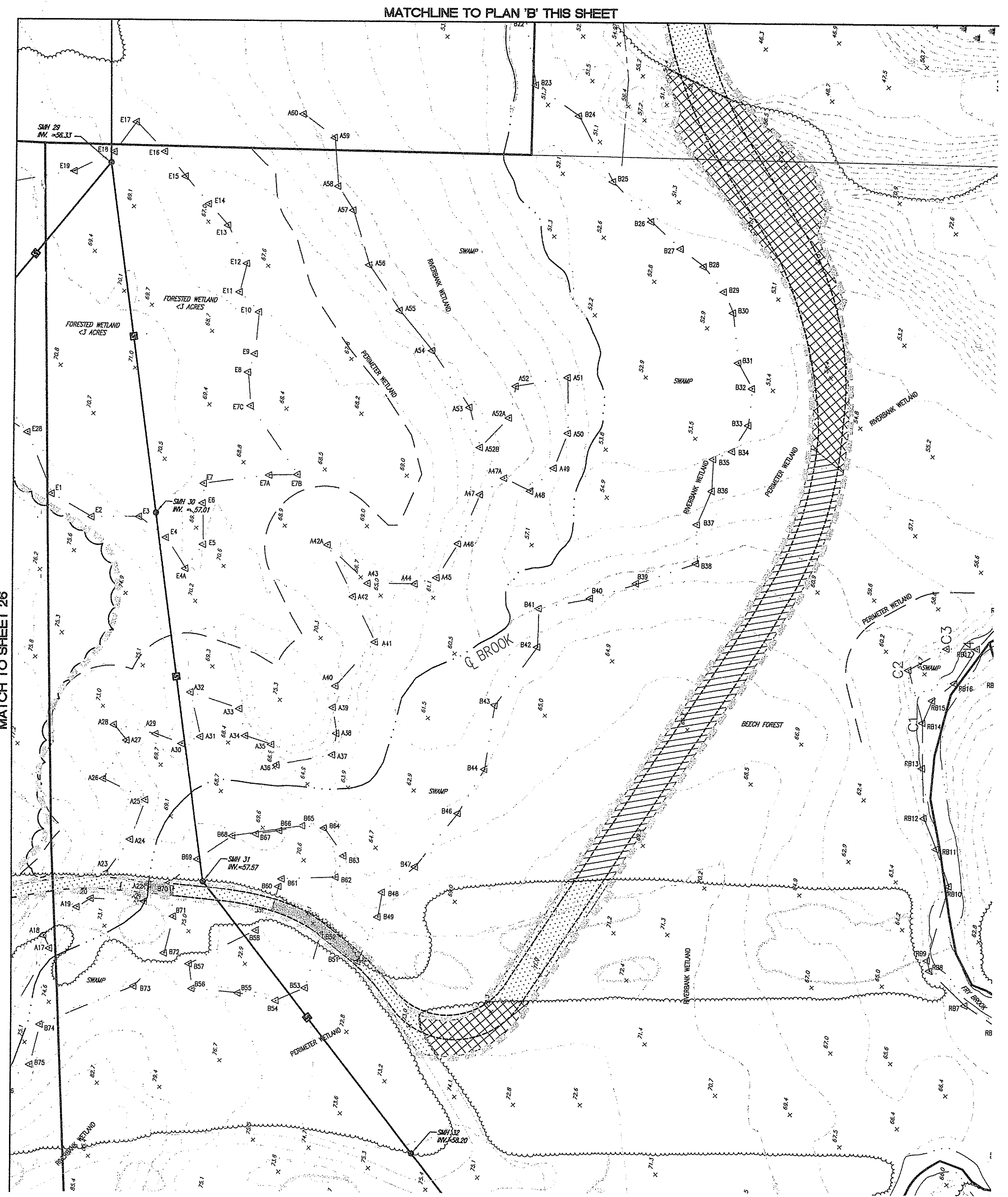
**ALTO CORPORATION**  
LAND PLANNERS

PROJECT NO.: 8071530  
DATE: OCTOBER 2008  
SCALE: 1"=80'  
DESIGNED BY: K.M.A.  
DRAWN BY: K.M.A., W.S., P.T.E.  
CHECKED BY: J.P.C., G.H.G.

LANDSCAPE PLAN 1: HIGH SCHOOL PROPERTY  
EAST GREENWICH HIGH SCHOOL  
ATHLETIC FIELD IMPROVEMENTS  
AVENGER DRIVE  
EAST GREENWICH  
RHODE ISLAND  
PREPARED FOR  
EAST GREENWICH PUBLIC SCHOOLS

DRAWING NUMBER  
**26**  
SHEET 26 OF 42

11.807.1830 Site Plan - Fields - Layout\_10-28-08 Rev.dwg (DISK: Z=1041)



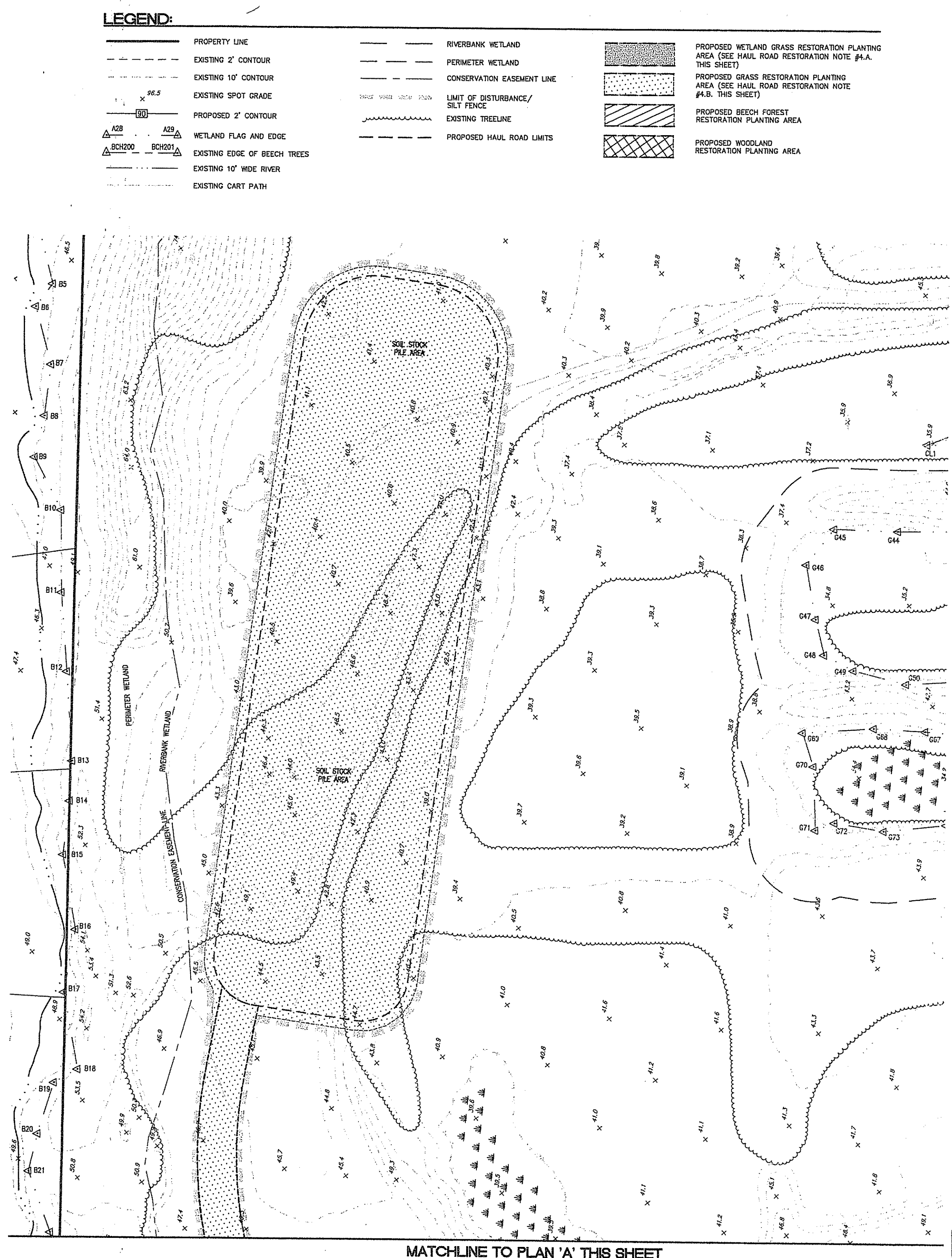
**A** HAUL ROAD RESTORATION PLANTING PLAN 'A'

BEECH FOREST RESTORATION PLANT SCHEDULE:					
TREES:	Key	Botanical Name/ Common Name	Size	Qty	Comment
	BA	BETULA LENTA Sweet Birch	3'-4'	40	10' O.C.
	FG	FAGUS GRANDIFOLIA American Beech	3'-4'	40	10' O.C.
	QR	QUERCUS ALBA White Oak	3'-4'	40	10' O.C.
SHRUBS:	Key	Botanical Name/ Common Name	Size	Qty	Comment
	AJU	ARCTOSTAPHYLOS UVA-URSI	2'-3'	100	5' O.C.
	CA	CLETHRA ALNIFOLIA Sweet Pepperbush	2'-3'	100	5' O.C.
	VA	VACCINIUM ANGUSTIFOLIUM Low Bush Blueberry	2'-3'	100	5' O.C.
	VC	VACCINIUM CORYMBOSUM Highbush Blueberry	2'-3'	100	5' O.C.
	VD	VIBURNUM DENTATUM Arrowwood	2'-3'	100	5' O.C.

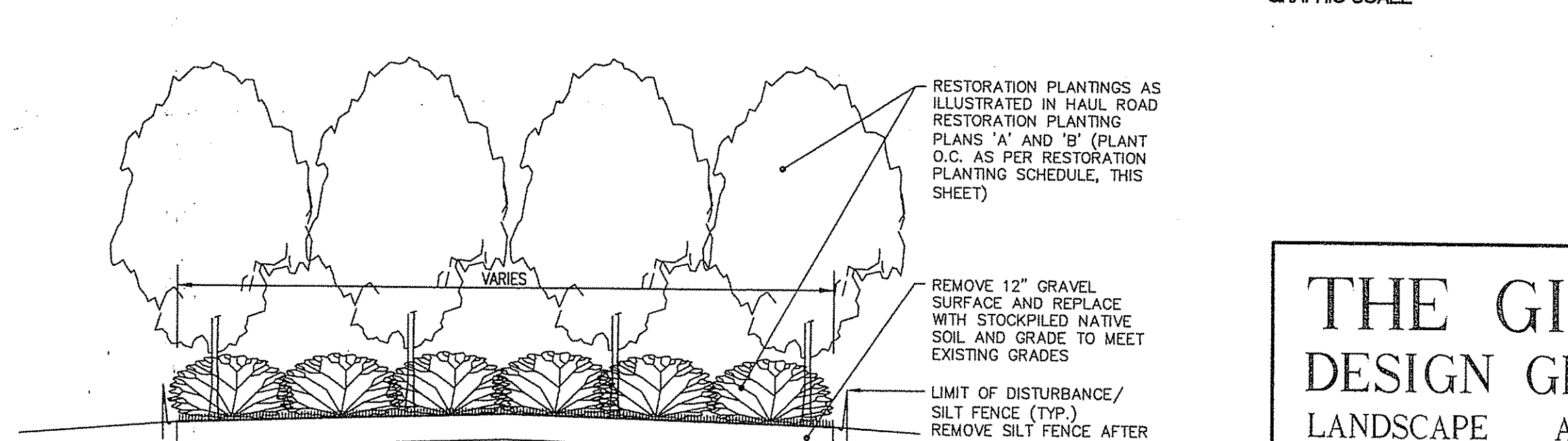
**NOTES:**  
 1. SEE SHEET 35 OF 42 FOR ALL PLANTING INSTALLATION DETAILS.  
 2. IN ADDITION TO PLANTING DESCRIBED ABOVE, ALL DISTURBED AREAS SHALL BE SEEDDED IN ACCORDANCE WITH HAUL ROAD RESTORATION NOTE #4, THIS SHEET.  
 3. RESTORATION PLANTS SHALL BE RESTORATION GRADE PLANT MATERIAL AS AVAILABLE THROUGH 'NEW ENGLAND WETLAND PLANTS, INC. OR APPROVED EQUAL.'

WOODLAND RESTORATION PLANT SCHEDULE:					
TREES:	Key	Botanical Name/ Common Name	Size	Qty	Comment
	BA	BETULA ALLEGHANIENSIS Yellow Birch	3'-4'	60	10' O.C.
	BP	BETULA POPULIFOLIA Grey Birch	3'-4'	60	10' O.C.
	QR	QUERCUS RUBRA Red Oak	3'-4'	60	10' O.C.
SHRUBS:	Key	Botanical Name/ Common Name	Size	Qty	Comment
	AC	AMELANCHIER CANADENSIS Shadbush/Sandeberry	2'-3'	145	5' O.C.
	CAM	CORNUS AMOMUM Silky Dogwood	2'-3'	145	5' O.C.
	LB	LINDERA BENZON Common Spicebush	2'-3'	145	5' O.C.
	VC	VACCINIUM CORYMBOSUM Highbush Blueberry	2'-3'	145	5' O.C.
	VD	VIBURNUM DENTATUM Arrowwood	2'-3'	145	5' O.C.

**NOTES:**  
 1. SEE SHEET 35 OF 42 FOR ALL PLANTING INSTALLATION DETAILS.  
 2. IN ADDITION TO PLANTING DESCRIBED ABOVE, ALL DISTURBED AREAS SHALL BE SEEDDED IN ACCORDANCE WITH HAUL ROAD RESTORATION NOTE #4, THIS SHEET.  
 3. RESTORATION PLANTS SHALL BE RESTORATION GRADE PLANT MATERIAL AS AVAILABLE THROUGH 'NEW ENGLAND WETLAND PLANTS, INC. OR APPROVED EQUAL.'



**B** HAUL ROAD RESTORATION PLANTING PLAN 'B'



**C** HAUL ROAD RESTORATION PLANTING SECTION

NOT TO SCALE

- LEGEND:**
- PROPERTY LINE
  - EXISTING 2' CONTOUR
  - EXISTING 10' CONTOUR
  - EXISTING SPOT GRADE
  - PROPOSED 2' CONTOUR
  - WETLAND FLAG AND EDGE
  - EXISTING EDGE OF BEECH TREES
  - EXISTING 10' WIDE RIVER
  - EXISTING CART PATH
  - RIVERBANK WETLAND
  - PERMETER WETLAND
  - CONSERVATION EASEMENT LINE
  - LIMIT OF DISTURBANCE/ SILT FENCE
  - EXISTING TREE LINE
  - PROPOSED HAUL ROAD LIMITS
  - PROPOSED WETLAND GRASS RESTORATION PLANTING AREA (SEE HAUL ROAD RESTORATION NOTE #4.A, THIS SHEET)
  - PROPOSED GRASS RESTORATION PLANTING AREA (SEE HAUL ROAD RESTORATION NOTE #4.B, THIS SHEET)
  - PROPOSED BEECH FOREST RESTORATION PLANTING AREA
  - PROPOSED WOODLAND RESTORATION PLANTING AREA

**HAUL ROAD RESTORATION NOTES:**

- THE SOIL EROSION CONTROL LINE ILLUSTRATED ON THESE PLANS SHALL SERVE AS THE STRICT LIMIT OF DISTURBANCE FOR THE PROJECT WITHIN OR ADJACENT TO REGULATED FRESHWATER WETLAND AREAS.
- DENUDED SLOPES SHALL NOT BE LEFT EXPOSED FOR EXCESSIVE PERIODS OF TIME.
- THE LIMITS OF CLEARING, GRADING, AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED RESTORATION AREA. ALL AREAS OUTSIDE OF THESE LIMITS, AS DEPICTED ON THE PLAN SHALL BE TOTALLY UNDISTURBED AND ARE TO REMAIN IN NATURAL CONDITION.
- ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEEDDED, PROTECTED AND MAINTAINED BY THE CONTRACTOR. THE CONTRACTOR SHALL REGULARLY CHECK ALL SEEDED AREAS TO ENSURE THAT A GOOD STAND IS MAINTAINED AS FOLLOWS:
  - SEED MIX 1 (WETLAND AREAS):**

'NEW ENGLAND WETLANDS MOIST MIX' AS AVAILABLE AT:  
 ALLEN'S SEED, INC.  
 693 SOUTH COUNTY TRAIL  
 EXETER, RI 02822  
 401-294-2722

OR APPROVED EQUAL.

APPLICATION FOLLOWING RATE: 12 LBS./ACRE.

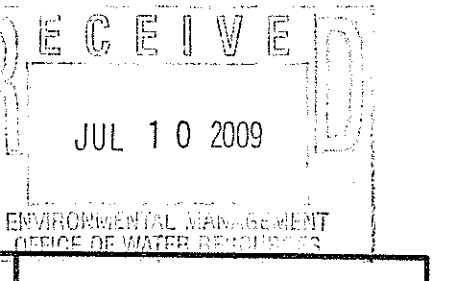
TYPE	% BY WEIGHT
CREeping RED FESCUE	70
ASTORIA BENTGRASS	5
BIRDFOOT TREFFOIL	15
PERENNIAL RYEGRASS	15

APPLICATION FOLLOWING RATE: 100 LBS./ACRE
  - SEED MIX 2 (UPLAND, PERMETER AND RIVERBANK WETLANDS):**

LOOSE STRAW MULCH SHALL BE APPLIED AT THE RATE OF 1.5 TONS/ACRE, OR HYDROSEED FIBER-MULCH IS ACCEPTABLE. HAY MULCH SHALL NOT BE USED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL RESTORATION PLANTINGS ON THE PROJECT SITE FOR THE ENTIRE DURATION OF THE RESTORATION PERIOD. THE CONTRACTOR SHALL FOLLOW THE DIRECTION OF THE OWNER'S REPRESENTATIVE WITH REGARD TO INSTALLATION, MAINTENANCE, AND REPAIR OF ALL RESTORATION PLANTING ON THE PROJECT SITE. RESTORATION PLANTINGS SHALL BE MAINTAINED UNTIL ALL EXPOSED SOILS ARE SATISFACTORILY STABILIZED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND/OR REPLANTING ALL AREAS THAT DO NOT DEVELOP WITHIN ONE YEAR FROM THE COMPLETION OF THIS RESTORATION PLANTING PROCESS.
- STOCKPILES SHALL NOT BE LOCATED NEAR WATERWAYS OR FLOOD PLAINS. SIDE SLOPES SHALL BE TEMPORARILY SEEDDED AND/OR STABILIZED.
- HAY BALES SHALL BE MAINTAINED AS INDICATED IN THE DETAILS. AT A MINIMUM HAY BALES SHALL BE INSPECTED AND REPAIRED ONCE A WEEK AND/OR IMMEDIATELY FOLLOWING A SIGNIFICANT RAINFALL OR SNOWMELT. SEDIMENT TRAPPED BEHIND THE BARRIERS SHALL BE EXCAVATED WHEN IT REACHES A DEPTH OF 6" AND REGRADED ON THE SITE.
- ALL REFERENCED SOIL EROSION AND SEDIMENTATION CONTROLS INCLUDING MATERIALS USED, APPLICATION RATES AND THE INSTALLATION PROCEDURES SHALL BE PERFORMED PER THE "RHODE ISLAND EROSION AND SEDIMENTATION HANDBOOK", DATED 1993.
- PLANT THE DESIGNATED RESTORATION AREA WITH TREES, SHRUBS AND GRASSES (SEE PLANT SCHEDULE THIS SHEET). ALL PLANTINGS MUST BE PROPERLY INSTALLED IN THE CORRECT LOCATIONS.
- ALL DISTURBED SURFACES MUST BE SEEDDED WITH A WILDLIFE CONSERVATION GRASS SEED MIXTURE, AND STABILIZED (SEE HAUL ROAD RESTORATION NOTE 4).
- THE DESIGNATED RESTORATION AREA MUST BE ALLOWED TO REVERT TO A NATURAL WILD CONDITION. NO FUTURE CLEARING, MOWING, CUTTING, TRIMMING OR OTHER ALTERATIONS ARE AUTHORIZED IN THE RESTORED WETLAND AREAS WITHOUT FIRST OBTAINING A VALID PERMIT FROM THE DEPARTMENT OF ENVIRONMENTAL PLANNING AND CONSTRUCTION, OFFICE OF WATER RESOURCES.
- DEVIATIONS OR CHANGES FROM THESE PLANS WILL NOT BE ALLOWED UNLESS APPROVED BY THE OWNER'S REPRESENTATIVE AS SPECIFIED IN THE LETTER OF APPROVAL.

DATED AUG 21 2008 FILE # 09-0092  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION LIST  
 Charles A. Harbert

**THE GIFFORD DESIGN GROUP, Inc.**  
 LANDSCAPE ARCHITECTURE  
 ENVIRONMENTAL PLANNING  
 4096 MENDON ROAD, CUMBERLAND, RHODE ISLAND 02864  
 PHONE (401) 671-6336 FAX (401) 671-6466



REVISION  
 NO. DATE  
 1 4-7-08  
 2 6-30-09

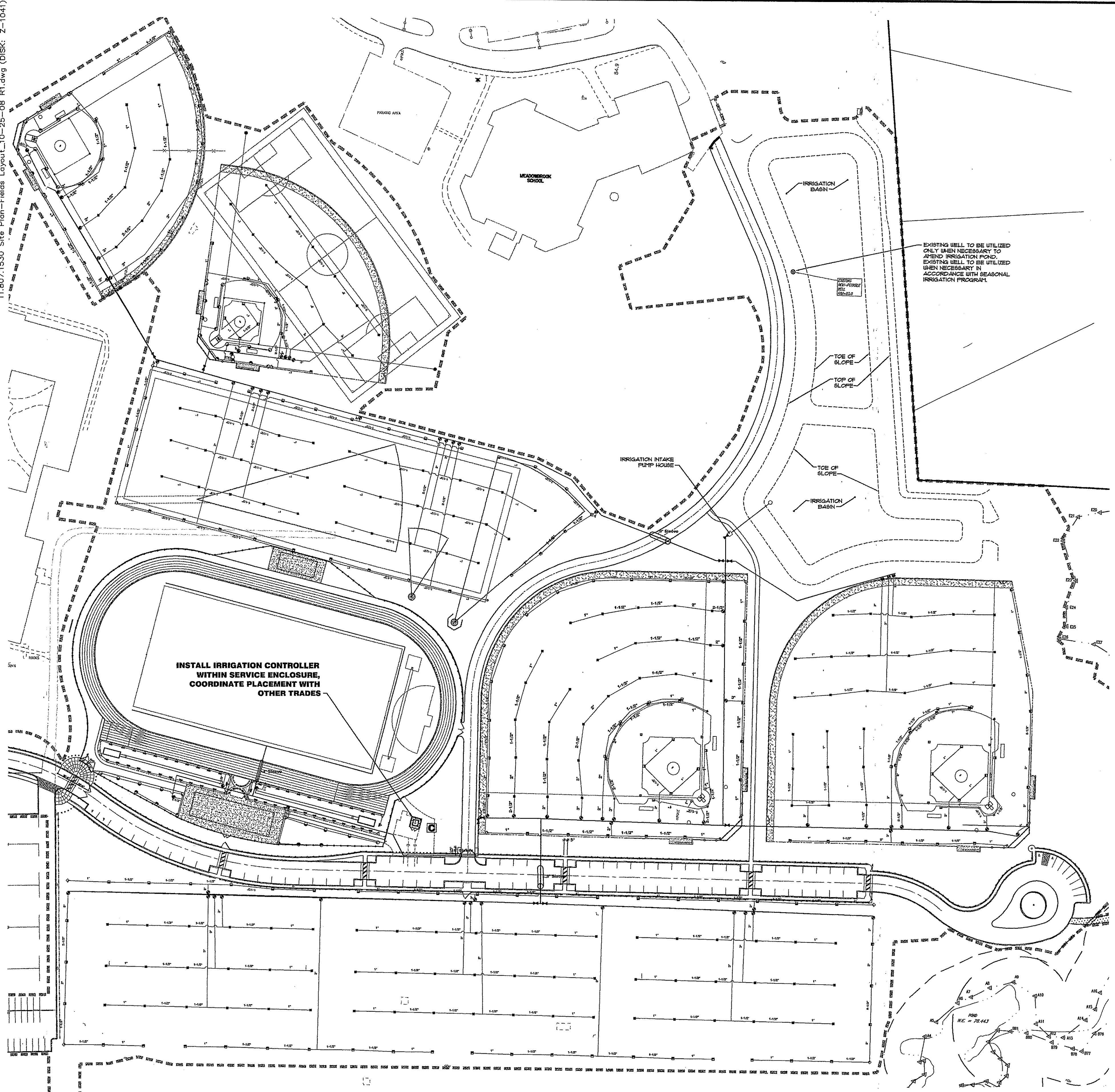
PREPARED BY: CIVIL ENGINEERS  
 JOHN P. ALTO  
 141 JAMES O. MURPHY HIGHWAY  
 WEST WARWICK, RHODE ISLAND 02892-0028  
 401-515-8600  
 fax: 401-515-8606

PROJECT NO: 8071530  
 DATE: OCTOBER 2008  
 SCALE: 1"=80'  
 DESIGNED BY: K.M.A.  
 DRAWN BY: K.M.A., W.S., P.T.E.  
 CHECKED BY: J.P.C., G.H.Q.

LANDSCAPE PLAN 2: HAUL ROAD RESTORATION PLANTINGS  
 EAST GREENWICH HIGH SCHOOL  
 ATHLETIC FIELD IMPROVEMENTS  
 AVENGER DRIVE  
 EAST GREENWICH, RHODE ISLAND  
 PREPARED FOR  
 EAST GREENWICH PUBLIC SCHOOLS

DRAWING NUMBER  
**27**  
 SHEET 27 OF 42

11.807.1330 Site Plan - Fields Layout\_10-25-08 R1.dwg (DISK: Z-1047)  
 © 2008 JOHN F. CATO CORPORATION



**Irrigation Pipe Table**

Length	Symbol	Pipe
8,000'	1"	1" 200 PSI SDR 21 PVC PIPE, LATERALS
9,500'	1-1/2"	1-1/2" 200 PSI SDR 21 PVC PIPE, LATERALS
2,300'	2"	2" 200 PSI SDR 21 PVC PIPE, LATERALS, MAIN LINE
1,300'	2-1/2"	2-1/2" 200 PSI SDR 21 PVC PIPE, LATERALS
4,400'	3"	3" 200 PSI SDR 21 PVC PIPE, LATERALS
4,500'	4"	4" 200 PSI SDR 21 PVC PIPE, MAIN LINE
100'	4"	4" 200 PSI SDR 21 PVC PIPE, SLEEVES
40'	8"	8" 200 PSI SDR 21 PVC PIPE, SLEEVES

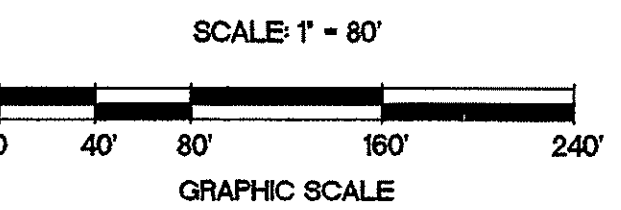
**Irrigation Equipment Table**

Quantity	Symbol	Equipment
46	⊙	HUNTER ICV-201G 2" ZONE VALVE
16	⊙	HUNTER ICV-151G 1-1/2" ZONE VALVE
27	⊙	HUNTER ICD-100 SINGLE STATION DECODER
4	⊙	HUNTER ICD-200 TWO STATION DECODER
8	⊙	HUNTER ICD-400 FOUR STATION DECODER
1	⊙	WELL
9	⊙	ISOLATION VALVES
17	⊙	QUICK COUPLER VALVE
1	⊙	HUNTER ACC DECODER CONTROLLER

**Irrigation Heads Table**

Quantity	Symbol	Sprinkler Heads
175	⊙	HUNTER I-40 36S
180	⊙	HUNTER I-40 ADS
55	⊙	HUNTER I-20 ADS
60	⊙	HUNTER PRO SPRAY NOZZLES 15A, EST, SST

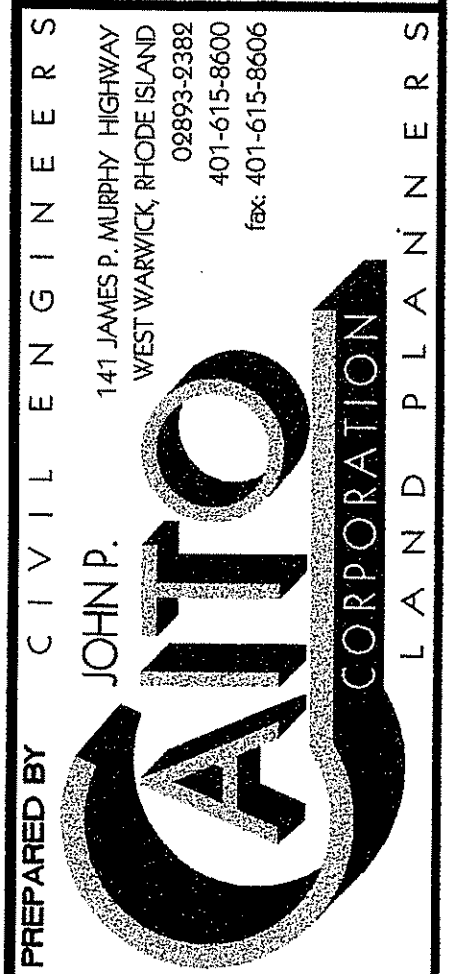
**Irrigation Note:**  
 See sheet 29, this Plan Set for all irrigation details and notes.



REVISION

NO.	DATE	PER	REVISION COMMENTS
1	4-7-09		Per RDEM Comments

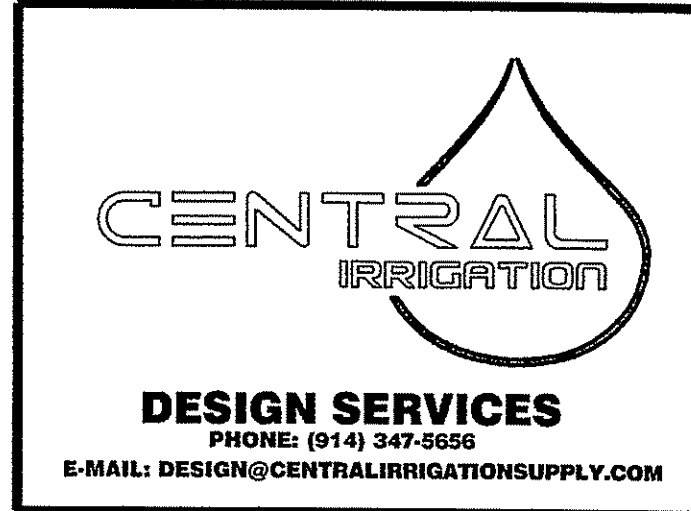
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 JOHN P. ALTO CORPORATION  
 141 JAMES P. MURPHY HIGHWAY  
 WEST WARWICK, RHODE ISLAND 02893-0388  
 401-615-8600  
 fax: 401-615-8606



PROJECT NO: 8073530  
 DATE: OCTOBER 2008  
 SCALE: 1"=80'  
 DESIGNED BY: K.M.A.  
 DRAWN BY: K.M.A., P.T.E.  
 CHECKED BY: J.P.C., G.H.G.

DEPARTMENT OF ENVIRONMENTAL PLANNING  
 OFFICE OF WATER RESOURCES  
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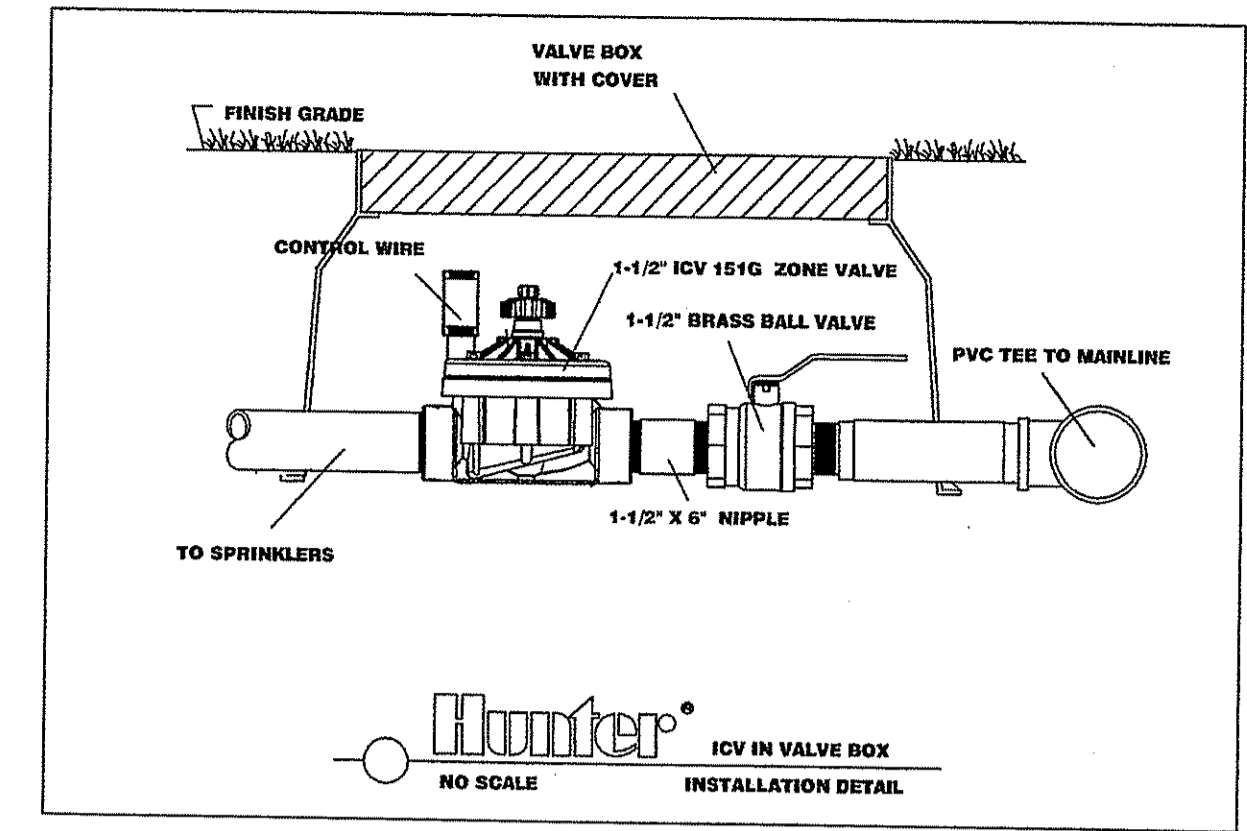
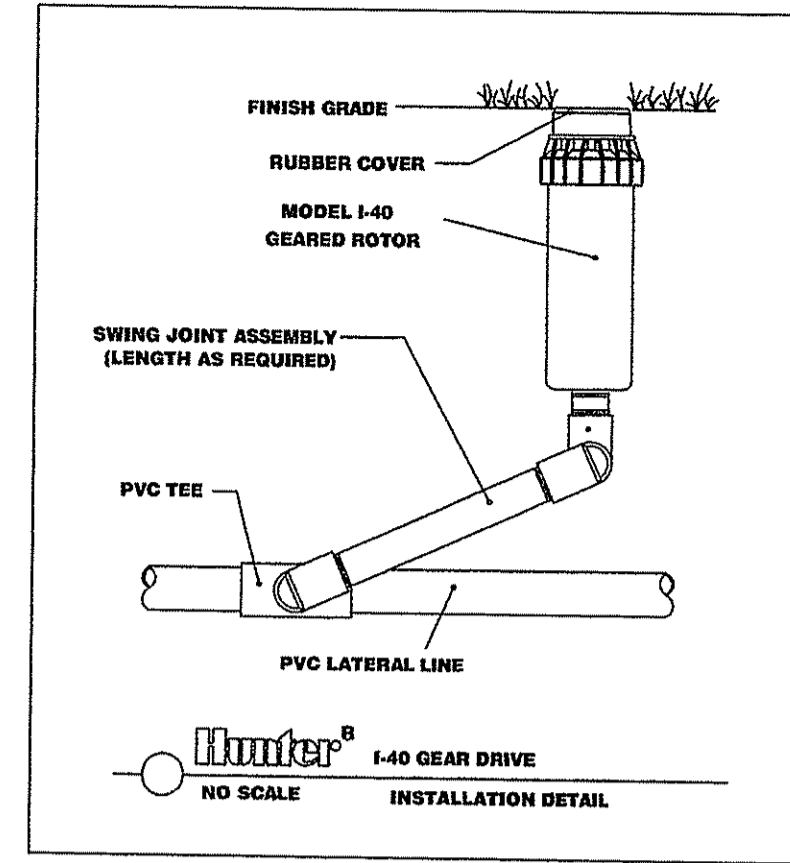
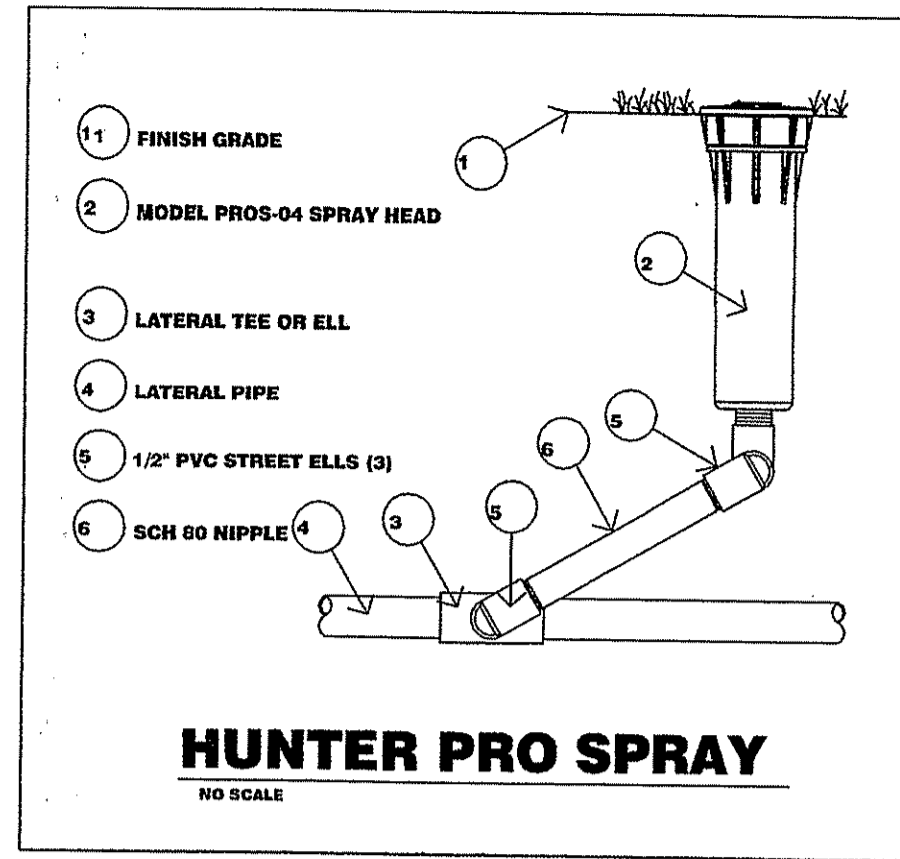
Charles A. Herbert



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IRRIGATION PLAN: HIGH SCHOOL PROPERTY  
 EAST GREENWICH HIGH SCHOOL  
 ATHLETIC FIELD IMPROVEMENTS  
 AVENGER DRIVE  
 EAST GREENWICH, RHODE ISLAND  
 PREPARED FOR  
 EAST GREENWICH PUBLIC SCHOOLS

DRAWING NUMBER  
**28**  
 SHEET 28 OF 42



**General Notes**

IRRIGATION DRAWINGS ARE DIAGRAMMATIC. ALL IRRIGATION EQUIPMENT PLACED IN THE FIELD WILL BE APPROVED BY THE OWNER OR ITS REPRESENTATIVE.

CONTRACTOR RESPONSIBLE FOR VERIFICATION OF EQUIPMENT QUANTITY.

DUE TO THE SCALE, ACCURACY OR CONDITION OF SITE PLANS, CONTRACTOR WILL MODIFY PATTERN TO GUARANTEE 100% COVERAGE OF INDICATED AREAS IN CASES WHERE SITE DIMENSIONS CONFLICT WITH DRAWING.

ALL LATERAL PIPE WILL BE AS MARKED.

ALL MAINLINE WILL BE AS MARKED.

ALL SIDEWALK CROSSINGS TO BE SLEEVED.

BACKFLOW AS PER LOCAL CODES.

FLOW RATE IS 125 GPM @ 100 PSI

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141 JAMES P. MURPHY HIGHWAY  
WEST WARWICK, RHODE ISLAND  
02893-3282  
401-615-8600  
fax: 401-615-8606

PROJECT NO: 8071530  
DATE: OCTOBER 2008  
SCALE: 1"=80'  
DESIGNED BY: K.M.A.  
DRAWN BY: K.M.A., P.T.E.  
CHECKED BY: J.P.C., G.H.G.

IRRIGATION NOTES AND DETAILS  
EAST GREENWICH HIGH SCHOOL  
ATHLETIC FIELD IMPROVEMENTS  
AVENGER DRIVE  
EAST GREENWICH  
RHODE ISLAND  
PREPARED FOR  
EAST GREENWICH PUBLIC SCHOOLS

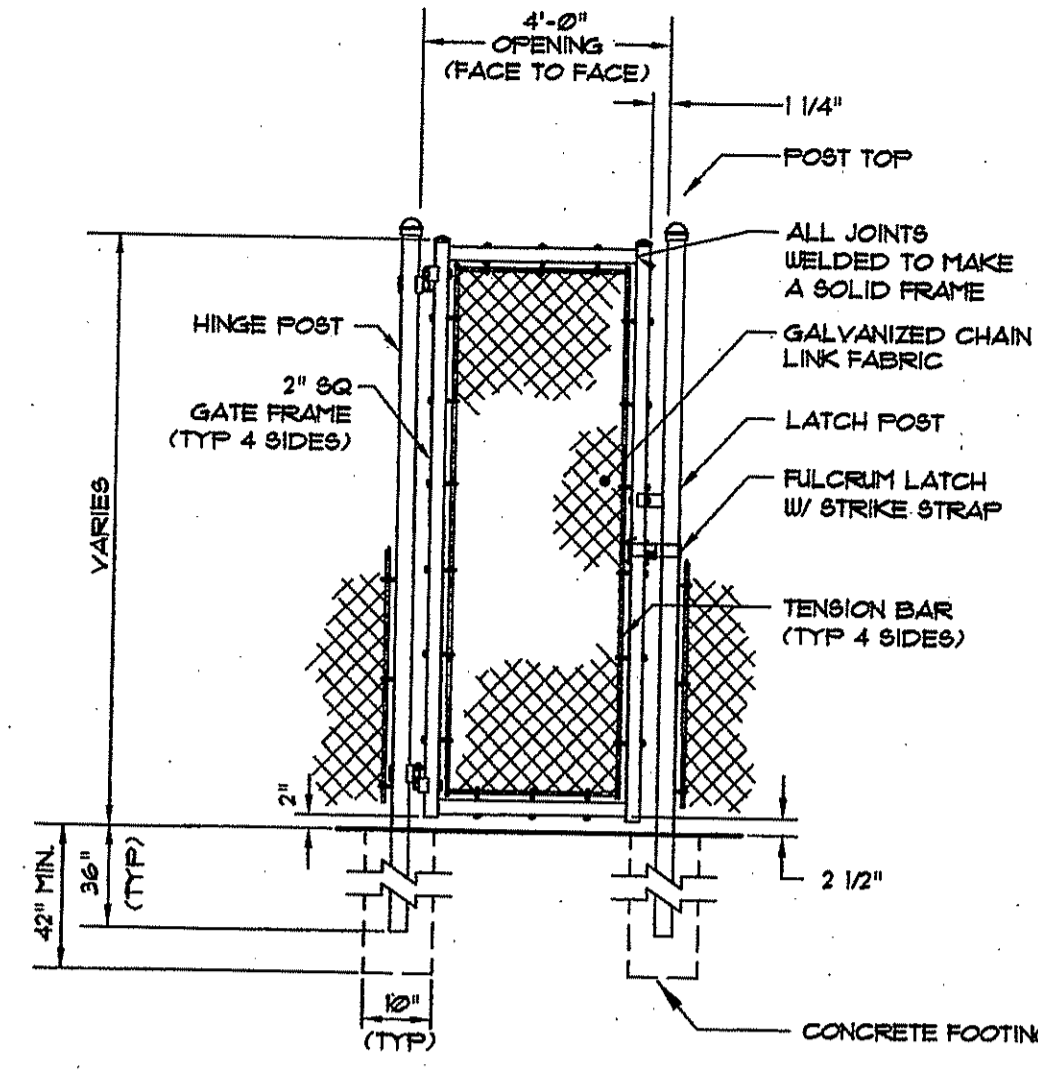
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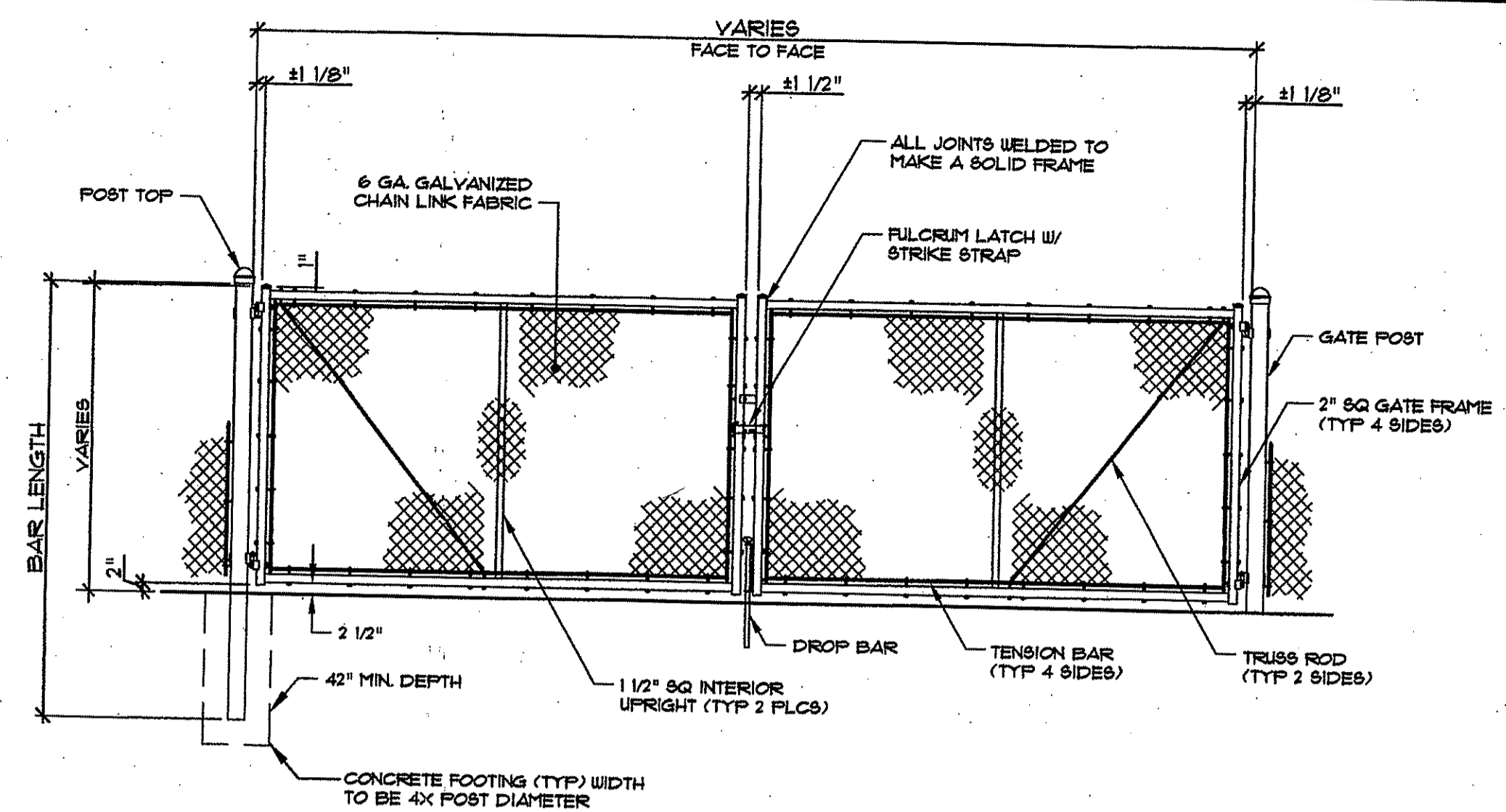


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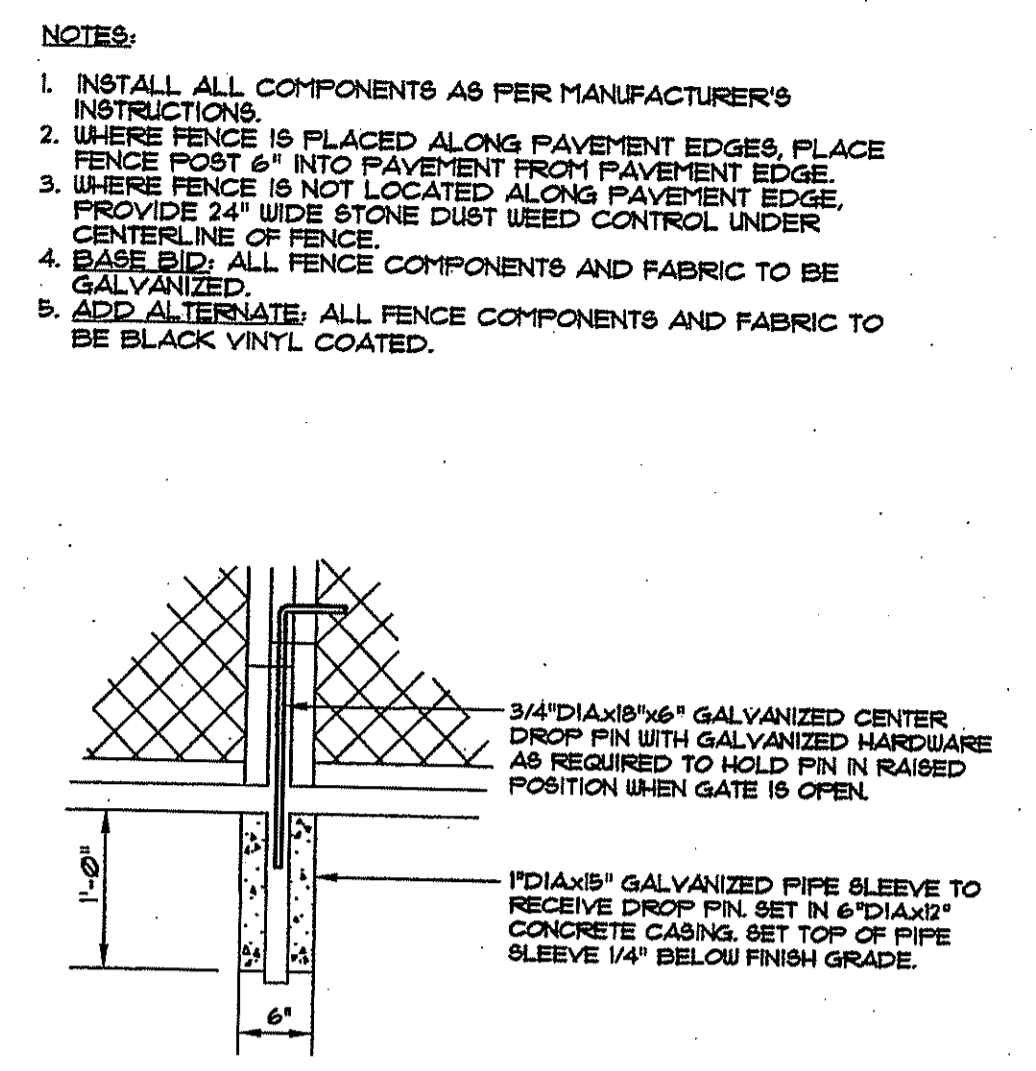


1 CHAIN LINK PEDESTRIAN GATE

NOT TO SCALE

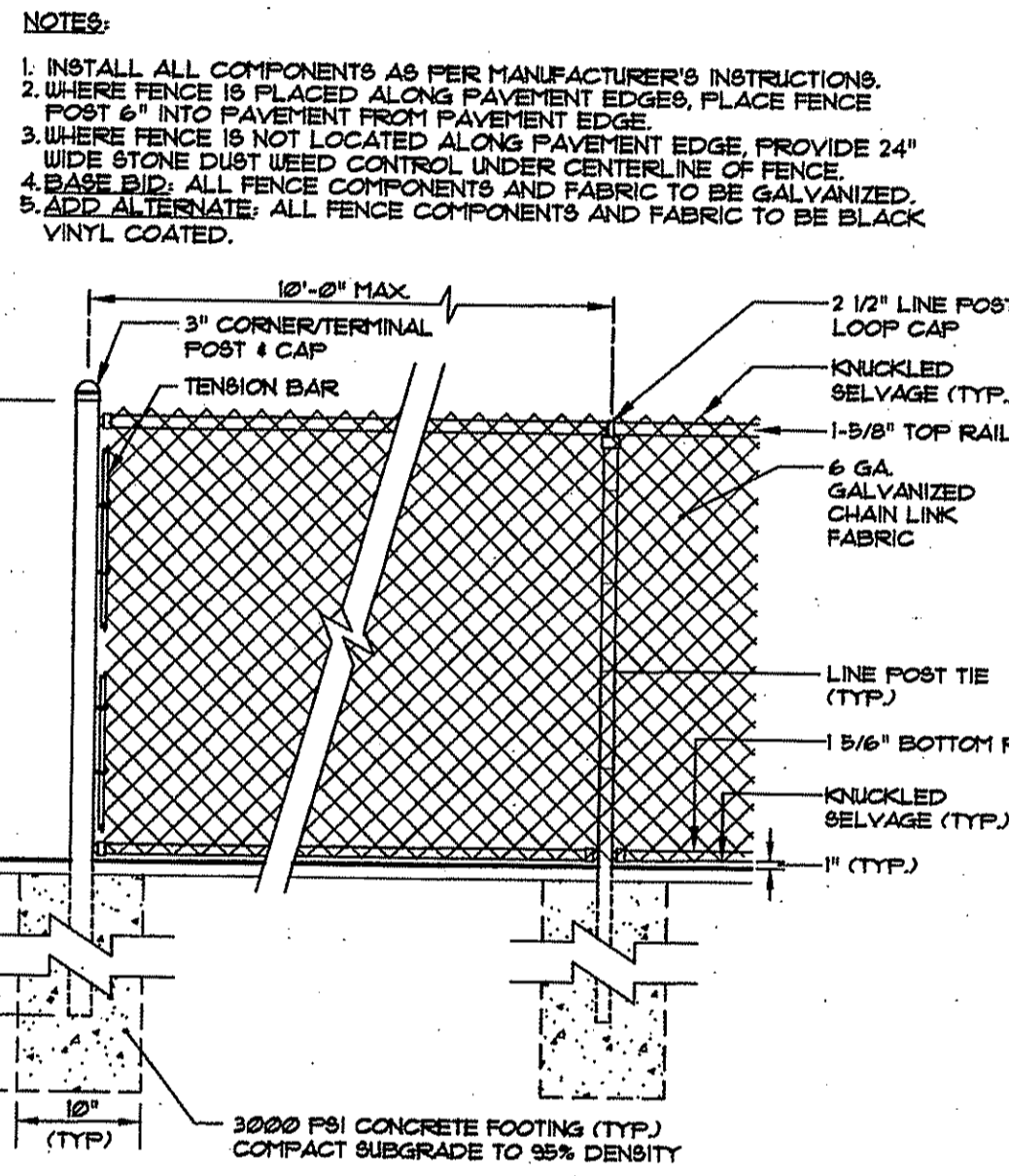


2 CHAIN LINK SERVICE GATE



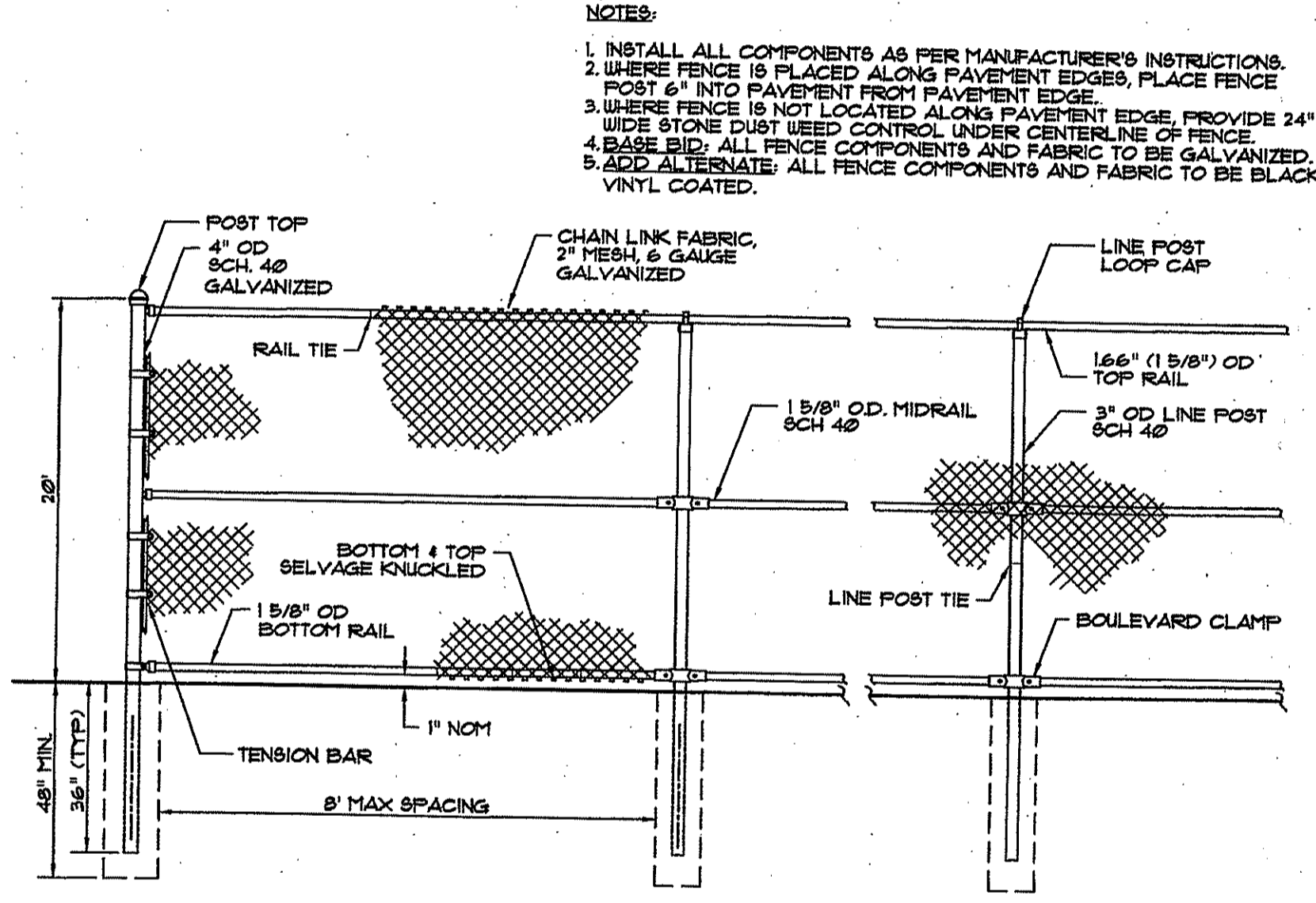
NOTES:  
 1. INSTALL ALL COMPONENTS AS PER MANUFACTURER'S INSTRUCTIONS.  
 2. WHERE FENCE IS PLACED ALONG PAVEMENT EDGES, PLACE FENCE POST 6" INTO PAVEMENT FROM PAVEMENT EDGE.  
 3. WHERE FENCE IS NOT LOCATED ALONG PAVEMENT EDGE, PROVIDE 24" WIDE STONE DUST USED CONTROL UNDER CENTERLINE OF FENCE.  
 4. BASE BID: ALL FENCE COMPONENTS AND FABRIC TO BE GALVANIZED.  
 5. ADD ALTERNATE: ALL FENCE COMPONENTS AND FABRIC TO BE BLACK VINYL COATED.

NOT TO SCALE



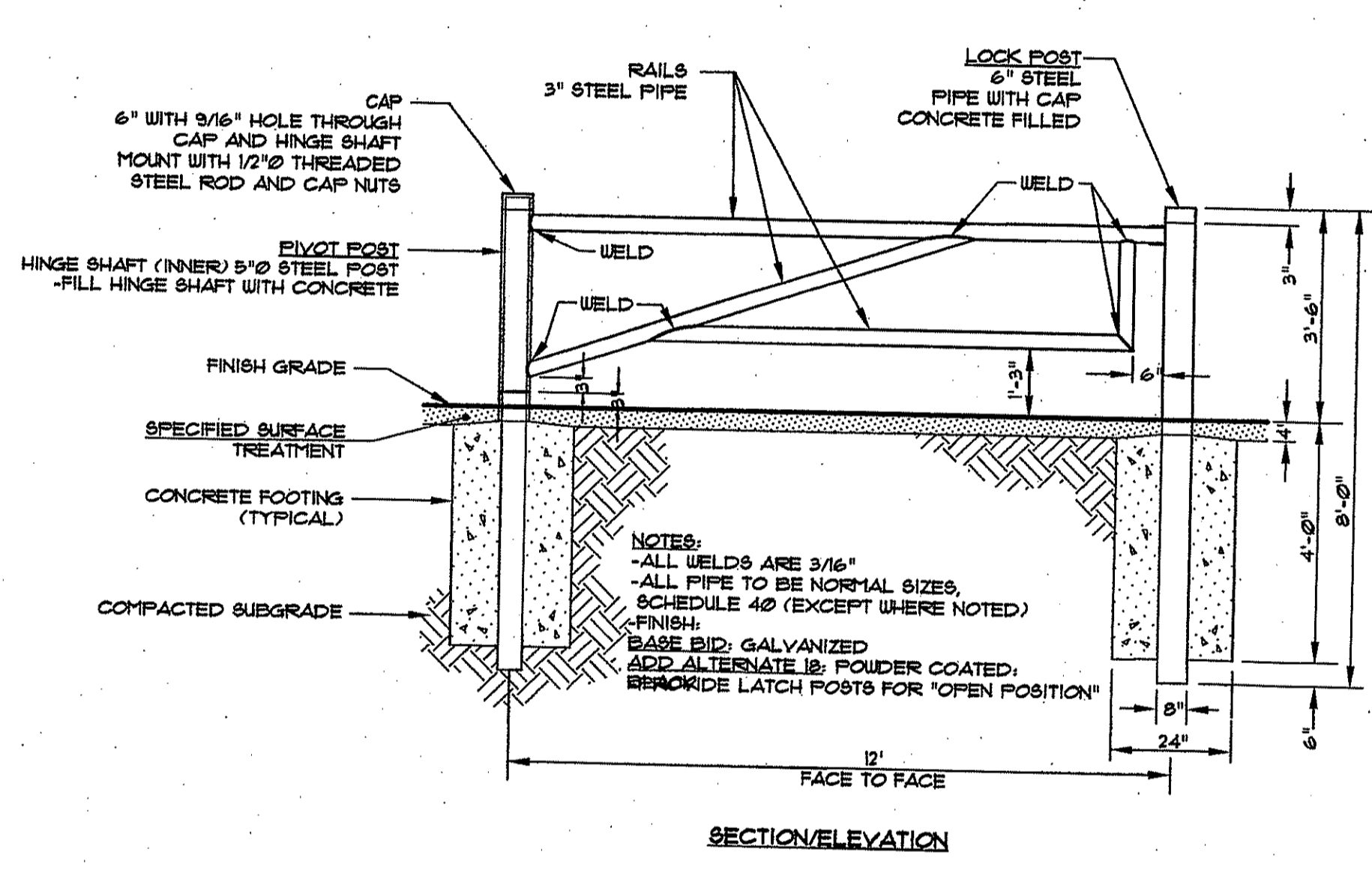
3 CHAIN LINK FENCE

NOT TO SCALE



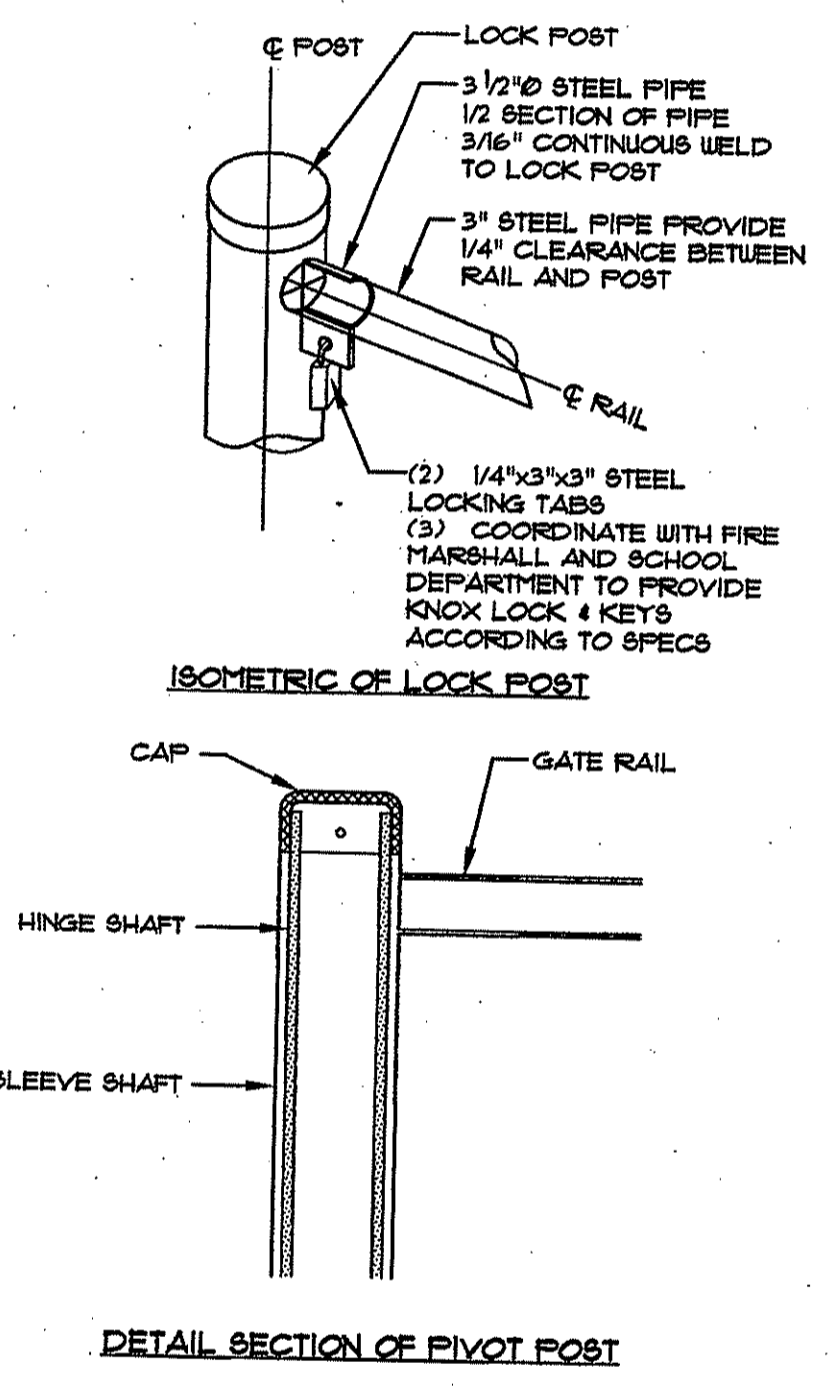
4 20' HEIGHT CHAIN LINK FENCE

NOT TO SCALE



5 12' SERVICE GATE

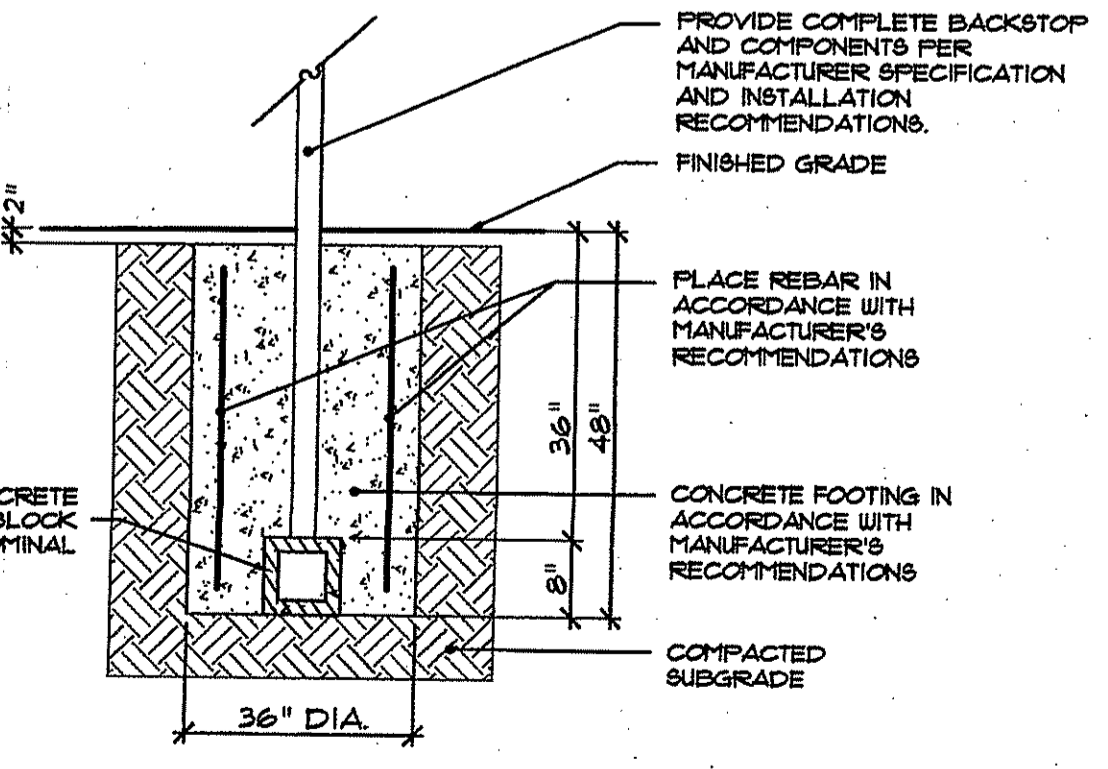
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DETAIL SECTION OF PIVOT POST

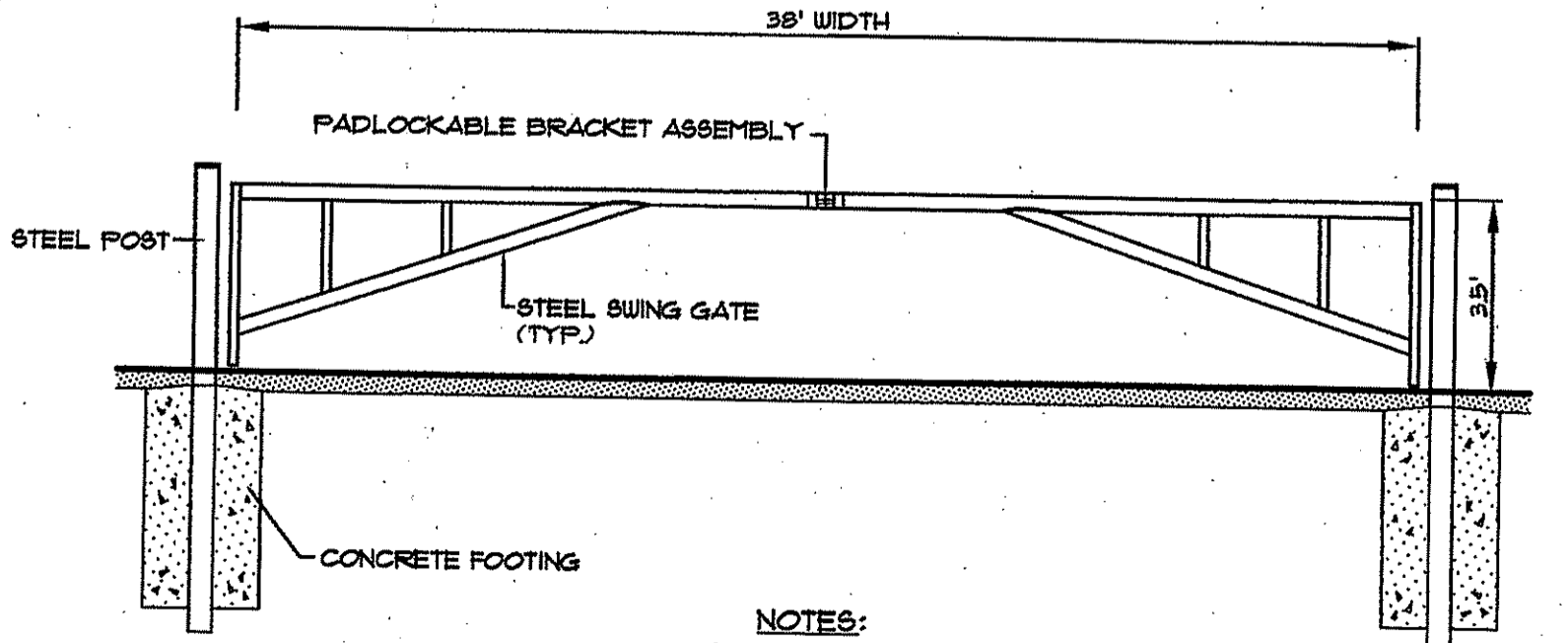
NOTES:  
 1. INSTALL ALL COMPONENTS AS PER MANUFACTURER'S INSTRUCTIONS.  
 2. POLY-TOP FENCE SAFETY COVERING WHERE APPLICABLE.

NOTES:  
 1. BACKSTOP TO BE 'PERMANENT HOODED BACKSTOP' MODEL #234-23 MANUFACTURED BY: PATTERSON-WILLIAMS ATHLETIC MANUFACTURING COMPANY OR APPROVED EQUAL.  
 2. CONTRACTOR TO VERIFY ON-SITE SOIL CONDITIONS FOR LOAD BEARING CAPACITY AND WIND LOADS PRIOR TO INSTALLATION.  
 3. CONTRACTOR TO STAKE LOCATION IN FIELD FOR REVIEW BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.  
 4. PROVIDE 24" WIDE STONE DUST USED CONTROL UNDER CENTERLINE OF BACKSTOP.  
 5. BASE BID: ALL COMPONENTS AND FABRIC TO BE GALVANIZED OTHER THAN GREEN RECYCLED PLASTIC PLANKS.  
 6. ADD ALTERNATE: PROVIDE BLACK VINYL COATED MESH AND BLACK POWDER COATED FENCE COMPONENTS OTHER THAN GREEN RECYCLED PLASTIC PLANKS.  
 7. PROVIDE ENGINEERED SHOP DRAWINGS FOR CONFORMANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.



6 BASEBALL/SOFTBALL BACKSTOP POST FOOTING DETAIL

NOT TO SCALE



7 EMERGENCY ACCESS GATE

NOT TO SCALE

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 OFFICE OF WATER RESOURCES  
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 DATED AUG 21 2009 FILE # 09-0092  
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Charles A. Herbert

**THE GIFFORD DESIGN GROUP, Inc.**  
 LANDSCAPE ARCHITECTURE  
 ENVIRONMENTAL PLANNING  
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NO.	DATE	REVISION

PREPARED BY: CIVIL ENGINEERS  
 141 JAMES P. MURPHY HIGHWAY  
 WEST WARWICK, RHODE ISLAND 02893-3382  
 401-675-8600  
 fax: 401-675-8606

**Auto CORPORATION**  
 LAND PLANNERS

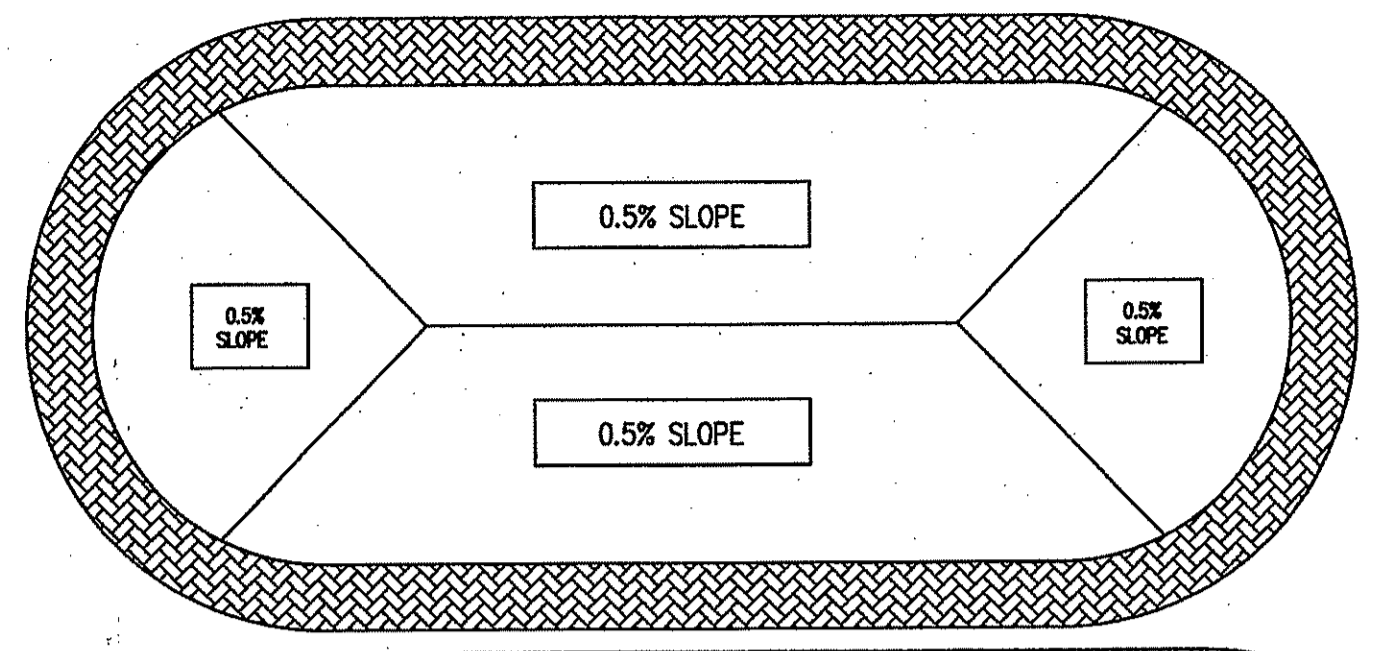
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 DATE: OCTOBER, 2008  
 SCALE: AS SHOWN  
 DESIGNED BY: COMPILED  
 DRAWN BY: K.M.A., W.S.  
 CHECKED BY: J.P.C., G.H.G.

FENCING DETAILS 2  
 EAST GREENWICH HIGH SCHOOL  
 ATHLETIC FIELD IMPROVEMENTS  
 AVENGER DRIVE  
 EAST GREENWICH, RHODE ISLAND  
 PREPARED FOR  
 EAST GREENWICH PUBLIC SCHOOLS

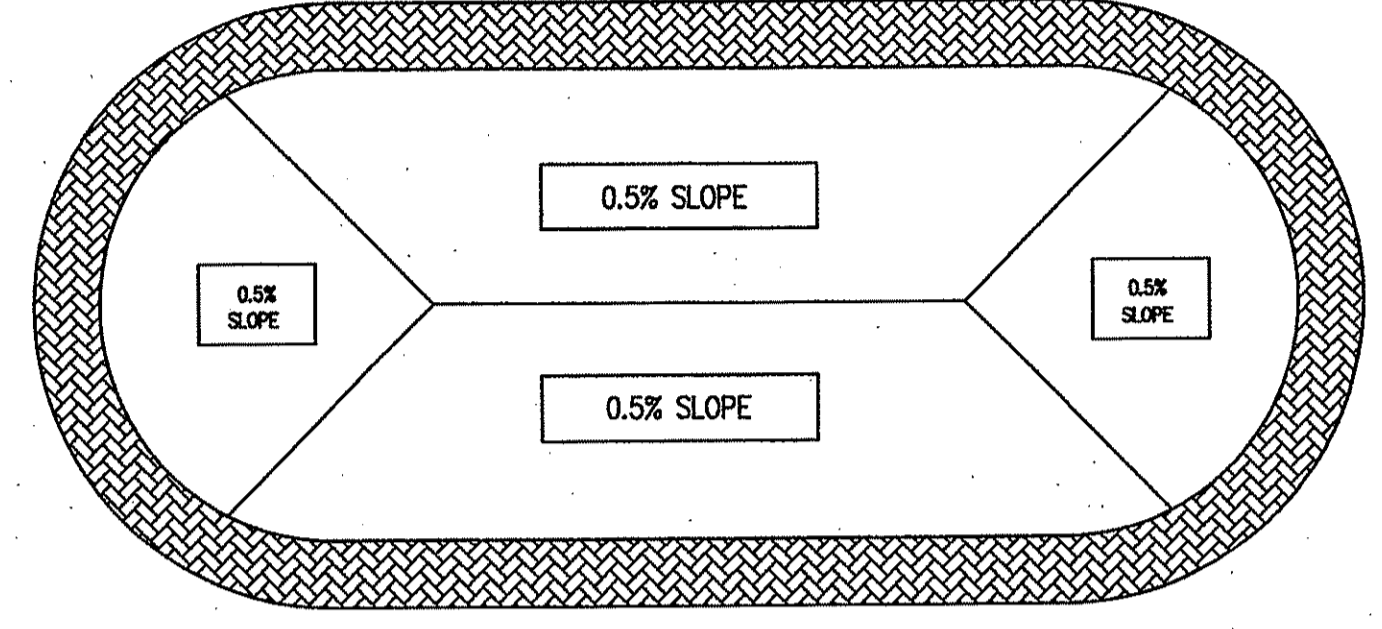
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**32**  
 SHEET 32 OF 42



1530-NOTES & DETAILS\_10-23-08.dwg (DISK: 2-1044)

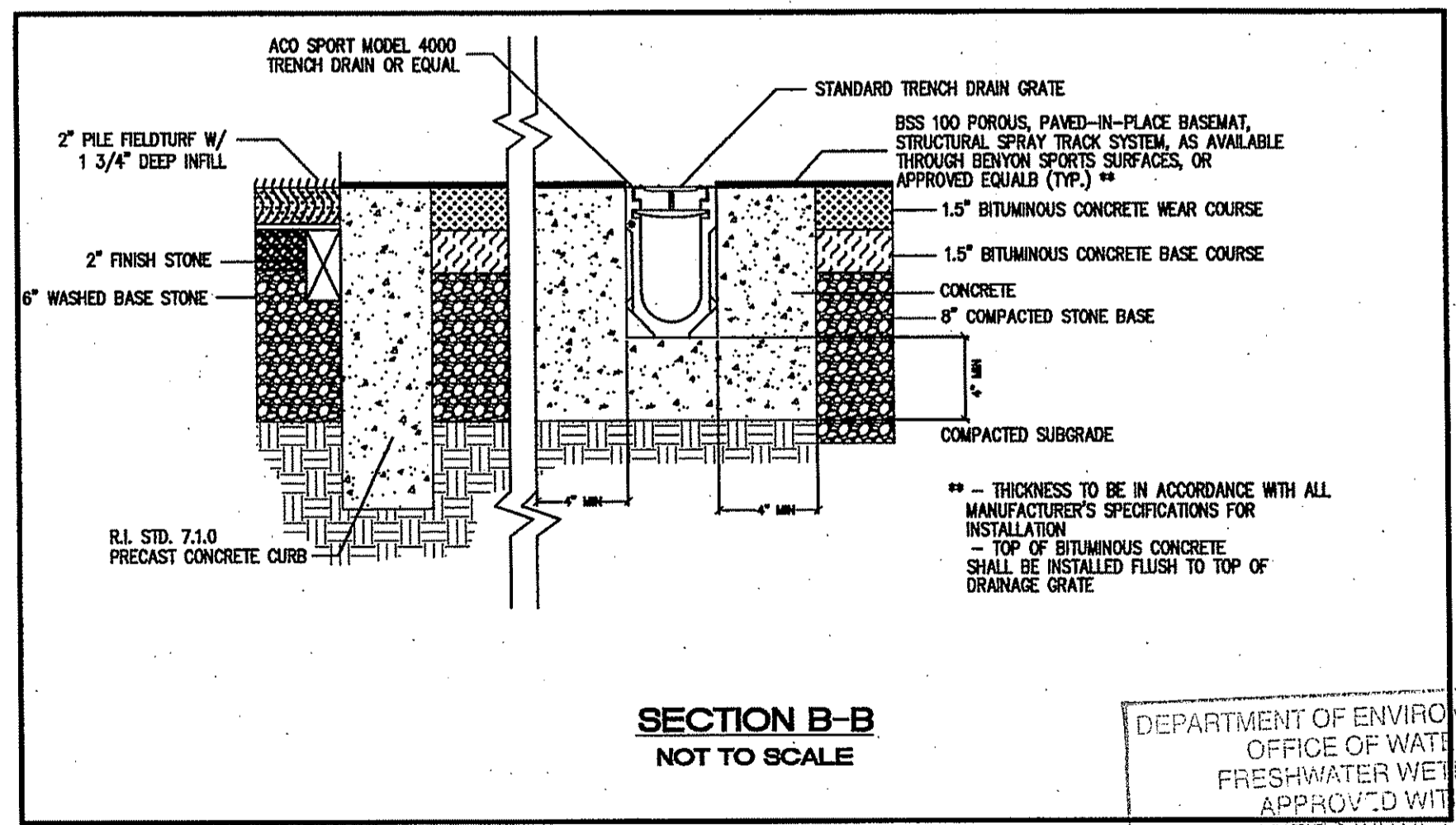
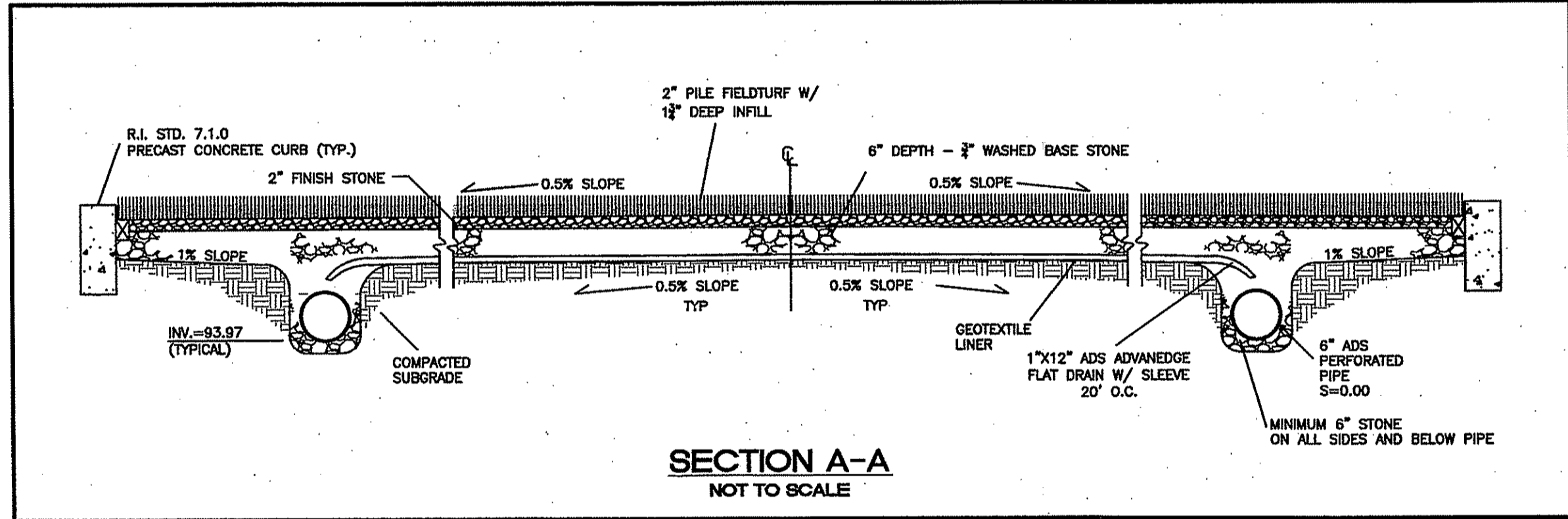
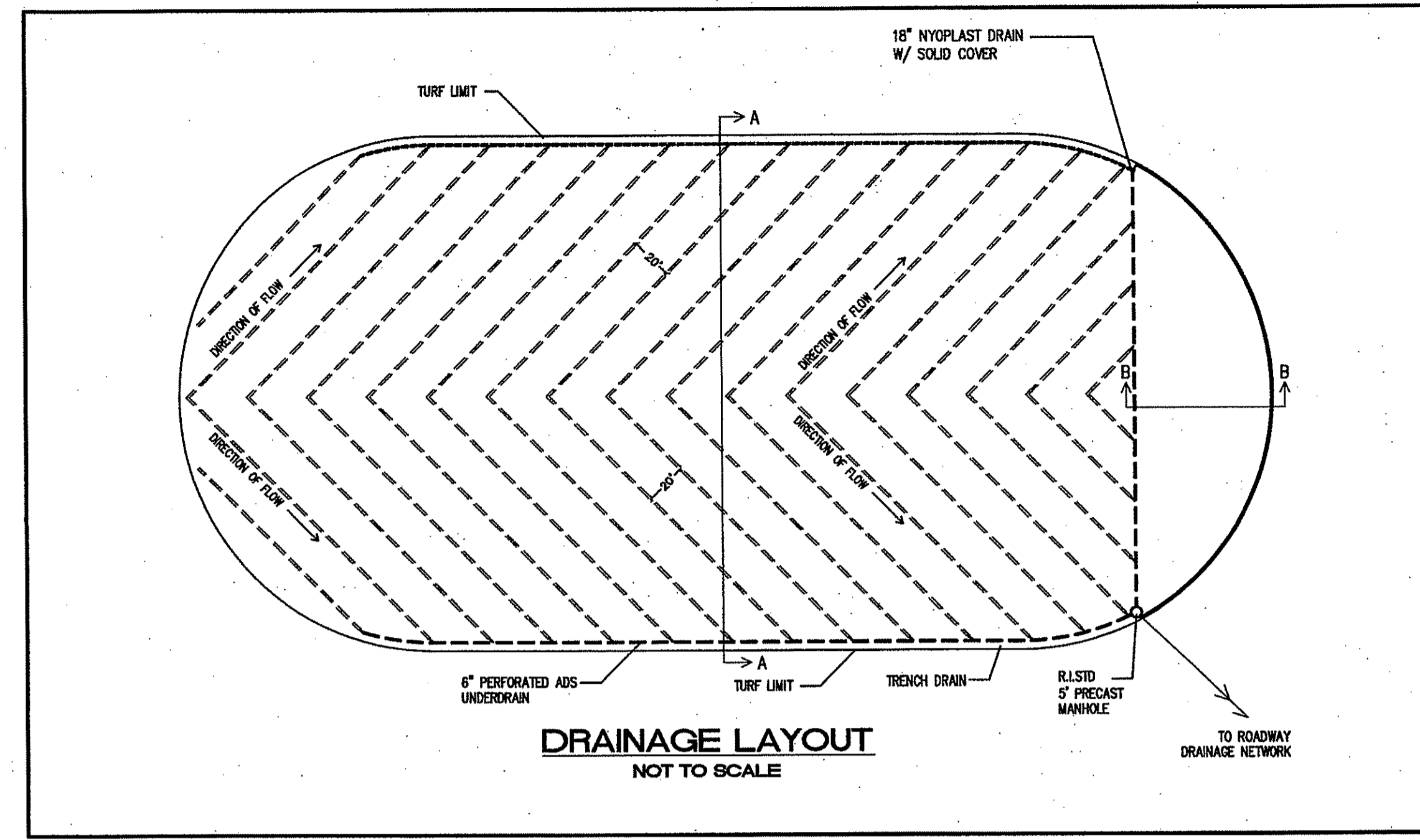


**Finish Slope**  
 A minimum of 4" of open grade stone will be installed over geotextile. Finished grade will consist of 0.5% slope, which will be fanned from centerline.  
 A minimum of 2" of finish stone shall be installed and compacted to specifications.  
 Finished grade shall remain consistent.



**Sub-Base**  
 Sub-base will be shaped and compacted to specified density with a sloped center.  
 A geotextile will be installed directly over subgrade. A properly sized (8" minimum perimeter) sub-base collector drain shall be installed around the sub-base.

**FIELD SLOPES**  
 NOT TO SCALE



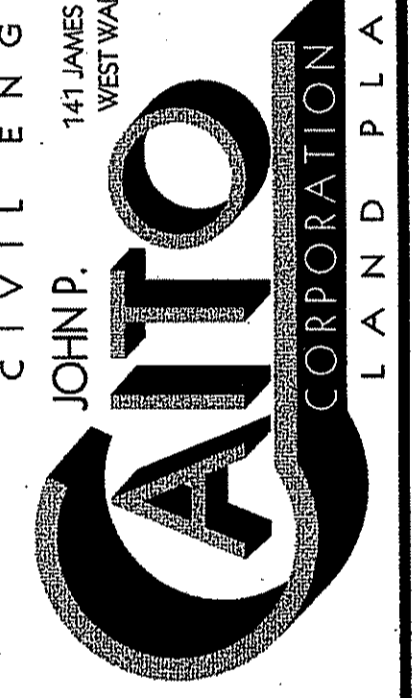
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 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
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 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Charles A. Herbert*

NO.	DATE	REVISION

JOHN P. CATO  
 PROFESSIONAL ENGINEER  
 REG. NO. 4399  
 STATE OF RHODE ISLAND

CIVIL ENGINEERS  
 JOHN P. CATO  
 141 JAMES P. MURPHY HIGHWAY  
 WEST WARWICK, RHODE ISLAND  
 08893-9399  
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 FAX: 401-615-8605  
 LAND PLANNERS



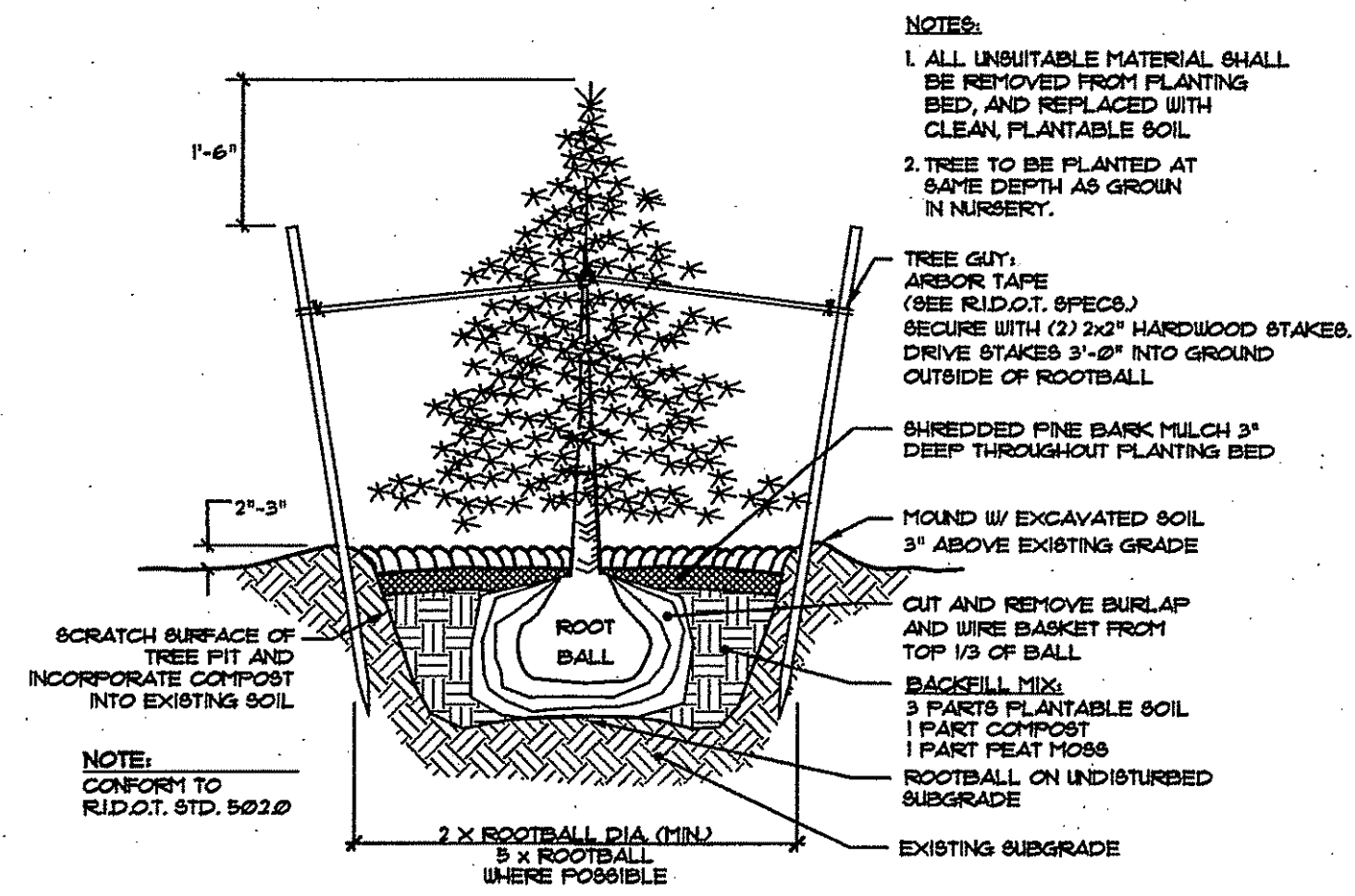
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 DATE: OCTOBER, 2008  
 SCALE: AS SHOWN  
 DESIGNED BY: COMPILED  
 DRAWN BY: C.M.W.  
 CHECKED BY: J.P.C., G.H.Q.

SYNTHETIC FIELD AND TRACK SURFACE DETAILS  
 EAST GREENWICH HIGH SCHOOL  
 ATHLETIC FIELD IMPROVEMENTS  
 AVENGER DRIVE  
 EAST GREENWICH  
 RHODE ISLAND  
 PREPARED FOR  
 EAST GREENWICH PUBLIC SCHOOLS

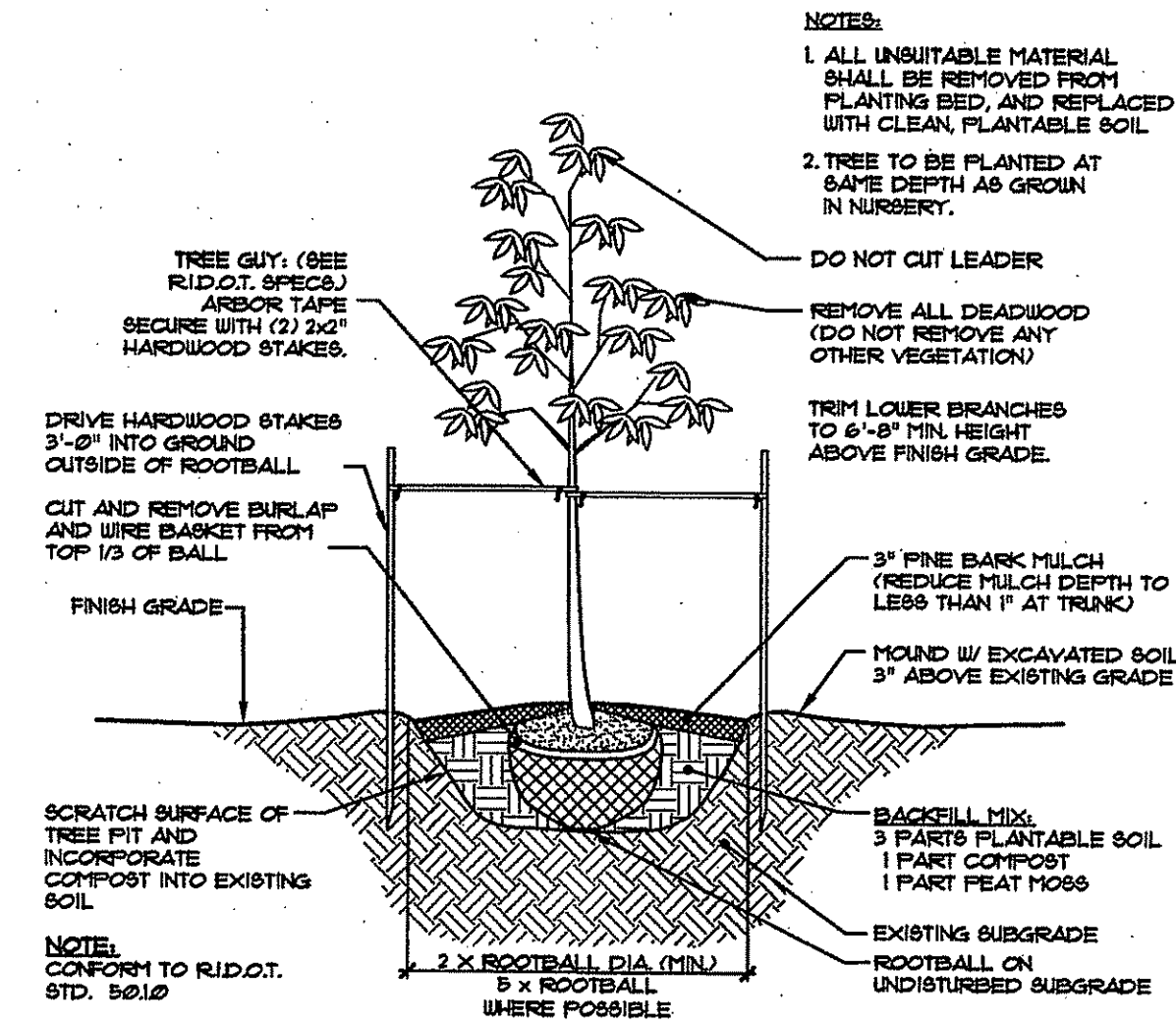
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**34**  
 SHEET 34 OF 42

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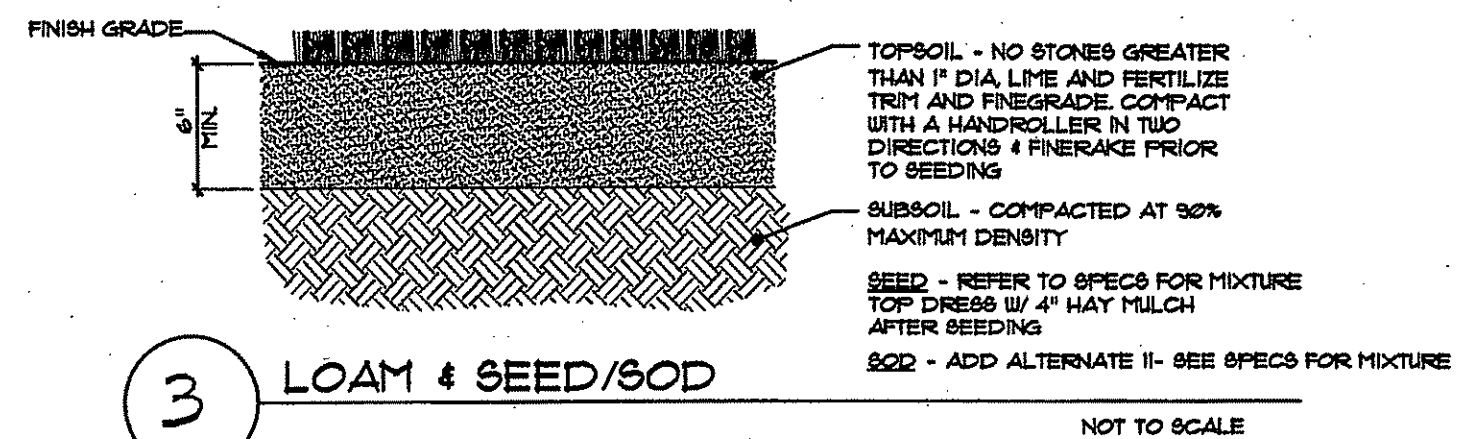
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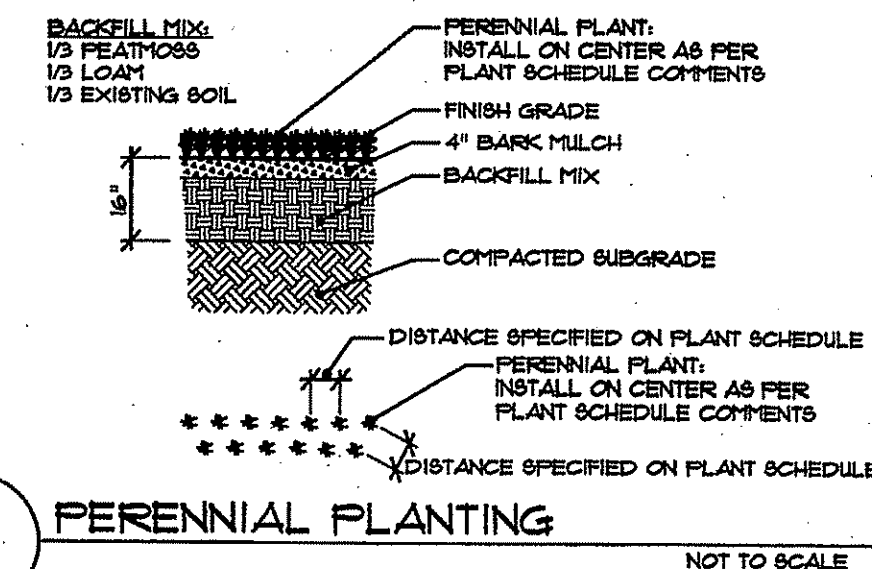
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NOT TO SCALE



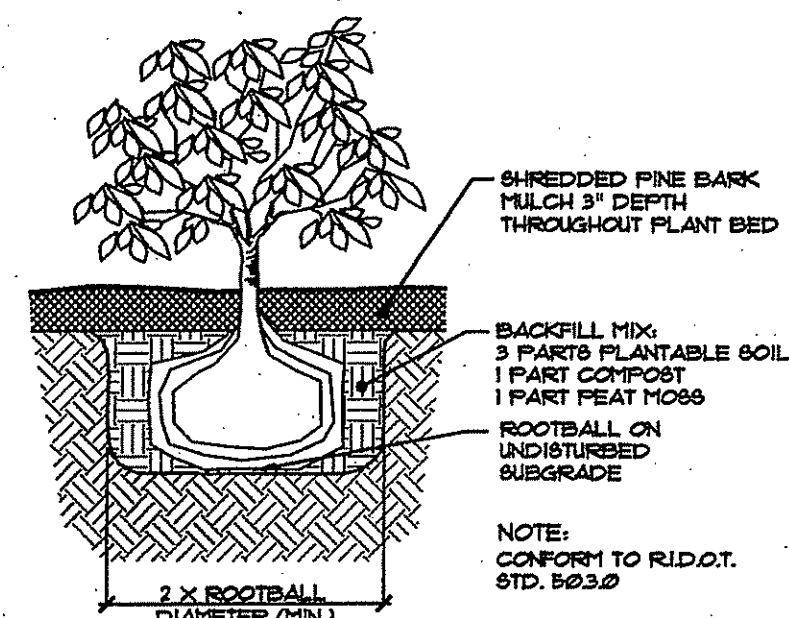
2 TREE PLANTING & STAKING DETAIL  
NOT TO SCALE



3 LOAM & SEED/SOD  
NOT TO SCALE



4 PERENNIAL PLANTING  
NOT TO SCALE



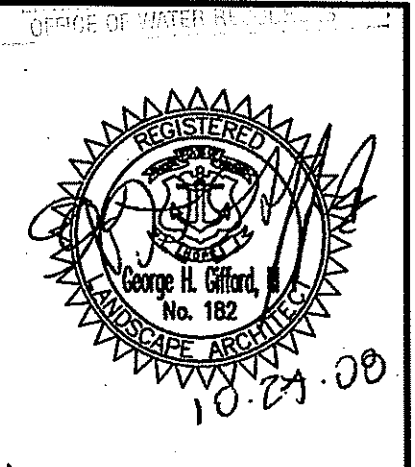
5 SHRUB PLANTING DETAIL  
NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED AUG 21 2009 FILE # 09-0092  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Herbert

RECEIVED  
JUL 10 2009

THE GIFFORD  
DESIGN GROUP, Inc.  
LANDSCAPE ARCHITECTURE  
ENVIRONMENTAL PLANNING  
4096 MENDON ROAD, CUMBERLAND, RHODE ISLAND 02864  
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NO.	DATE	REVISION

PREPARED BY  
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PROJECT NO: 807.1530  
DATE: OCTOBER 2008  
SCALE: AS SHOWN  
DESIGNED BY: K.M.A.  
DRAWN BY: K.M.A., W.S., P.T.E.  
CHECKED BY: J.P.C., Q.H.Q.

LANDSCAPE DETAILS  
EAST GREENWICH HIGH SCHOOL  
ATHLETIC FIELD IMPROVEMENTS  
AVENGER DRIVE  
EAST GREENWICH  
RHODE ISLAND  
PREPARED FOR  
EAST GREENWICH PUBLIC SCHOOLS

DRAWING NUMBER  
35  
SHEET 35 OF 42

1530-NOTES & DETAILS TO 23-08.dwg (DISK: Z-047) © 2008 JOHN P. CAITO CORPORATION

GENERAL NOTES

- 1. THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION AND THE RHODE ISLAND STANDARD DETAILS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO. THE 2004 REVISION OF THE STANDARD SPECIFICATIONS MAY BE OBTAINED AT THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION, DIVISION OF PUBLIC WORKS. IN ADDITION, THE TOWN OF EAST GREENWICH STANDARD SPECIFICATIONS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO.
2. ALL REQUIRED SITE IMPROVEMENTS SHALL BE INSPECTED BY THE TOWN ENGINEER TO ENSURE SATISFACTORY COMPLETION. IN NO CASE SHALL THE INSTALLATION OF ANY IMPROVEMENTS BE STARTED UNTIL PRIOR NOTIFICATION IS GIVEN TO THE TOWN ENGINEER. AT LEAST A 48-HOUR NOTICE SHALL BE GIVEN TO THE TOWN ENGINEER PRIOR TO ANY SUCH START OF CONSTRUCTION. A FINAL INSPECTION OF ALL SITE IMPROVEMENTS, UTILITIES AND GRADING WILL BE MADE TO DETERMINE WHETHER THE WORK IS SATISFACTORY AND IN SUBSTANTIAL AGREEMENT WITH THE APPROVED FINAL CONSTRUCTION DRAWING AND THE TOWN SPECIFICATIONS.
3. LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL CHECK AND VERIFY LOCATIONS OF ALL EXISTING UTILITIES BOTH UNDERGROUND AND OVERHEAD. ANY DAMAGE TO EXISTING UTILITIES AS SHOWN OR NOT SHOWN ON THE PLANS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. COSTS OF SUCH DAMAGE SHALL BE BORNE BY THE CONTRACTOR. NO EXCAVATION SHALL BE DONE UNTIL ALL INVOLVED UTILITY COMPANIES ARE NOTIFIED 48-HOURS IN ADVANCE. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY DIG-SAFE (1-888-344-7233) A MINIMUM OF 48 WORKING HOURS, EXCLUDING WEEKENDS AND HOLIDAYS, PRIOR TO THE START OF ANY EXCAVATION AND/OR BLASTING WORK. THE NAME OF THE COMPANY PERFORMING THE EXCAVATION AND/OR BLASTING WORK MUST BE SUPPLIED TO DIG-SAFE, IF IT IS DIFFERENT FROM THE CALLER.
4. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO OBTAIN ANY AND ALL PERMITS REQUIRED BY THE STATE OF RHODE ISLAND, FEDERAL GOVERNMENT, TOWN OF EAST GREENWICH AND KENT COUNTY WATER AUTHORITY PRIOR TO COMMENCING ANY WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION AND EROSION CONTROLS.
6. STOCKPILES OF EARTH MATERIALS SHALL NOT BE LOCATED NEAR WATERWAYS, WETLAND, OR ADJACENT TO DRAINAGE STRUCTURES.
7. ALL MATERIAL FOR FILL SHALL BE CLEAN AND FREE OF MATTER WHICH COULD POLLUTE ANY DOWN STREAM WATERCOURSE.
8. FILL MATERIAL SHALL BE COMPACTED IN ONE FOOT (MAXIMUM) LIFTS TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D-1557 (MODIFIED PROCTOR TEST).
9. CONTRACTOR SHALL PROVIDE OWNER WITH A COMPLETE SET OF AS-BUILT DRAWINGS OF ALL INFRASTRUCTURE. AS-BUILT DRAWINGS SHALL BE CERTIFIED BY A RHODE ISLAND LICENSED PROFESSIONAL LAND SURVEYOR OR PROFESSIONAL ENGINEER.
10. WORK SHOWN ON THE PLANS FOR WHICH THERE ARE NO PARTICULAR DETAILS OR SPECIFICATIONS DOES NOT RELIEVE THE CONTRACTOR FROM FINISHING AND INSTALLING THE WORK. THE CONTRACTOR SHALL THOROUGHLY EXAMINE THE CONTRACT DOCUMENTS AND PLANS AND INSPECT THE SITE, AND THE BID PRICE SHALL INCLUDE ALL SERVICES AND MATERIALS AS NECESSARY TO COMPLETE THE PROJECT. ANY CHANGES TO THE PROJECT OR THE INSTALLATION OF AN ITEM FOR WHICH NO PARTICULAR DETAIL OR SPECIFICATION WAS PROVIDED MUST BE REVIEWED BY AND ACCEPTABLE TO THE ENGINEER.

EROSION CONTROL AND SOIL STABILIZATION PROGRAM

- 1. DENUDED SLOPES SHALL NOT BE LEFT EXPOSED FOR EXCESSIVE PERIODS OF TIME.
2. ALL DISTURBED SLOPES EITHER NEWLY CREATED OR EXPOSED PRIOR TO OCTOBER 15, SHALL BE SEEDED OR PROTECTED BY THAT DATE FOR ANY WORK COMPLETED DURING EACH CONSTRUCTION YEAR.
3. TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW, OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, EXCELORON BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
4. HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 2000 LBS./ACRE.
5. ALL HAYBALES OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
6. THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS AND SHALL CONFORM WITH RHODE ISLAND STANDARD SPECIFICATION M.18.02.
7. THE SEED MIX SHALL BE INOCULATED WITHIN TWENTY FOUR (24) HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
8. THE DESIGN MIX FOR TEMPORARY EROSION CONTROL AND SOIL STABILIZATION SHALL BE COMPRISED OF THE FOLLOWING:

Table with 2 columns: TYPE and % BY WEIGHT. Rows include CREeping RED FESCUE (70%), ASTORIA BENTGRASS (5%), BIRD'SFOOT TREFOIL (15%), PERENNIAL RYEGRASS (10%), APPLICATION RATE (100 LBS./ACRE), and LIMING AND FERTILIZING AS REQUIRED TO COMPLIMENT OR UPGRADE EXISTING CONDITIONS.

- 9. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE (1) YEAR, AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE.
10. THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1ST THROUGH OCTOBER 15TH.
11. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN FIFTEEN (15) DAYS OF FINAL GRADING.
12. STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR WATERWAYS OR FLOOD PLAINS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN THIRTY PERCENT (30%) AND STOCKPILES SHALL ALSO BE SEEDED AND/OR STABILIZED AND COMPLETELY ENCRUSTED WITH A CONTINUOUS LINE OF STAKED HAYBALES AND/OR SILTFENCE. (SEE DETAIL).
13. ON BOTH STEEP AND LONG SLOPES, CONSIDERATION SHOULD BE GIVEN TO "CRIMPING" OR "TRACKING" TO TACK DOWN MULCH APPLICATIONS.
14. REFERENCE THE "R.I. STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL, SEPTEMBER 1, 1993", PREPARED BY RIDEM & CRMC.

SEDIMENTATION CONTROL PROGRAM

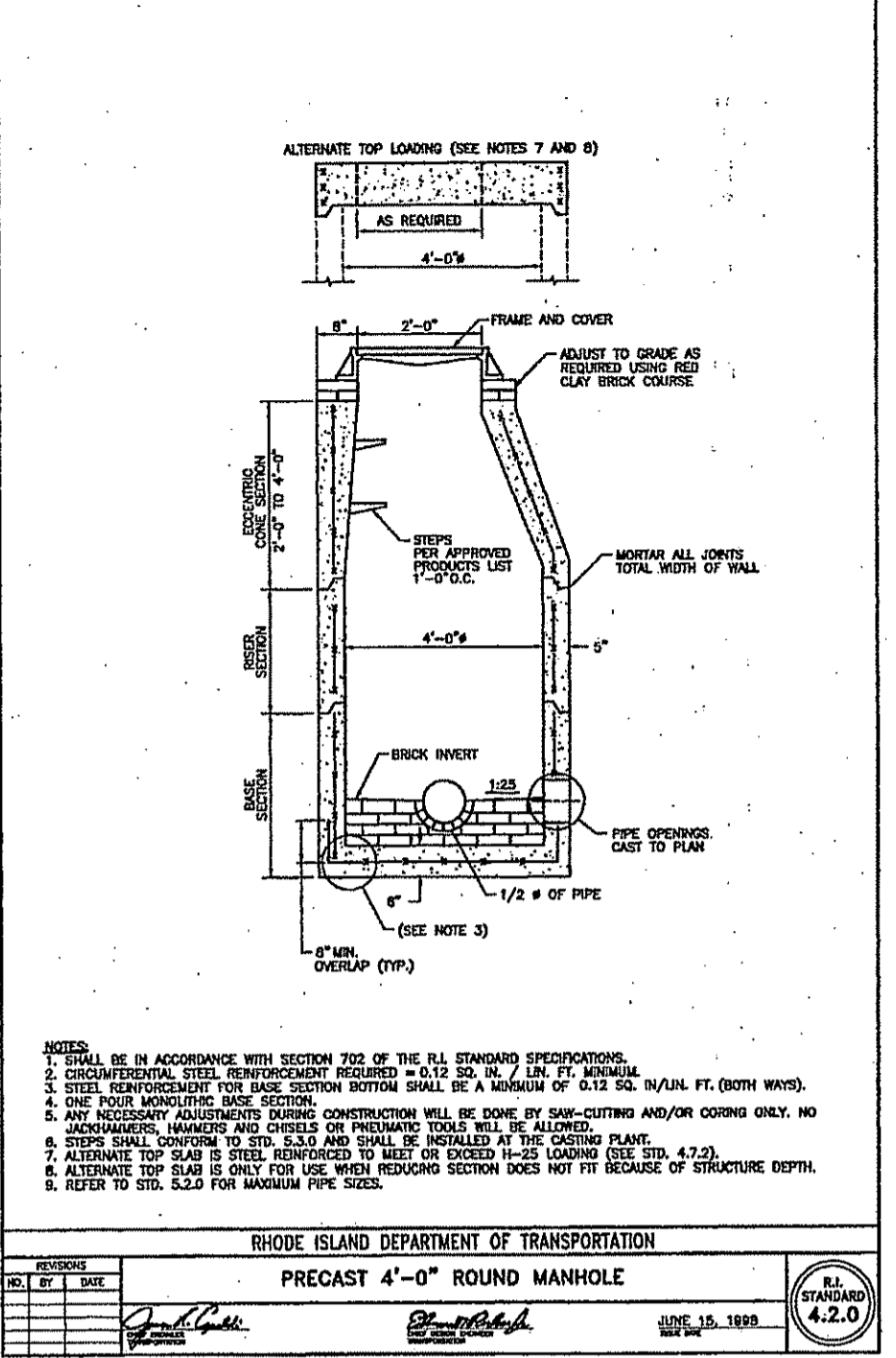
- 1. EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY SEDIMENTS FROM ENTERING THE STATE HIGHWAY OR ADJOINING PROPERTIES.
2. BANKS OR SLOPES OVER 5% SHALL BE SEEDED AS SOON AS POSSIBLE AND SHALL BE PROTECTED WITH A HAY, STRAW OR FIBER MULCH.
3. DURING CONSTRUCTION, THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
4. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL.
5. CARE SHALL BE TAKEN SO AS NOT TO PLACE "REMOVED SEDIMENTS" WITHIN THE PATH OF EXISTING, NEWLY CREATED (BOTH TEMPORARY AND PERMANENT) OR PROPOSED WATERCOURSES OR THOSE AREAS SUBJECTED TO STORM WATER FLOW.
6. ADDITIONAL HAYBALES, SILT FENCE OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.
7. REFERENCE THE "R.I. SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE U.S. DEPT. OF AGRICULTURE, SOIL CONSERVATION SERVICE, 1989, AS A GUIDE.

WATER NOTES

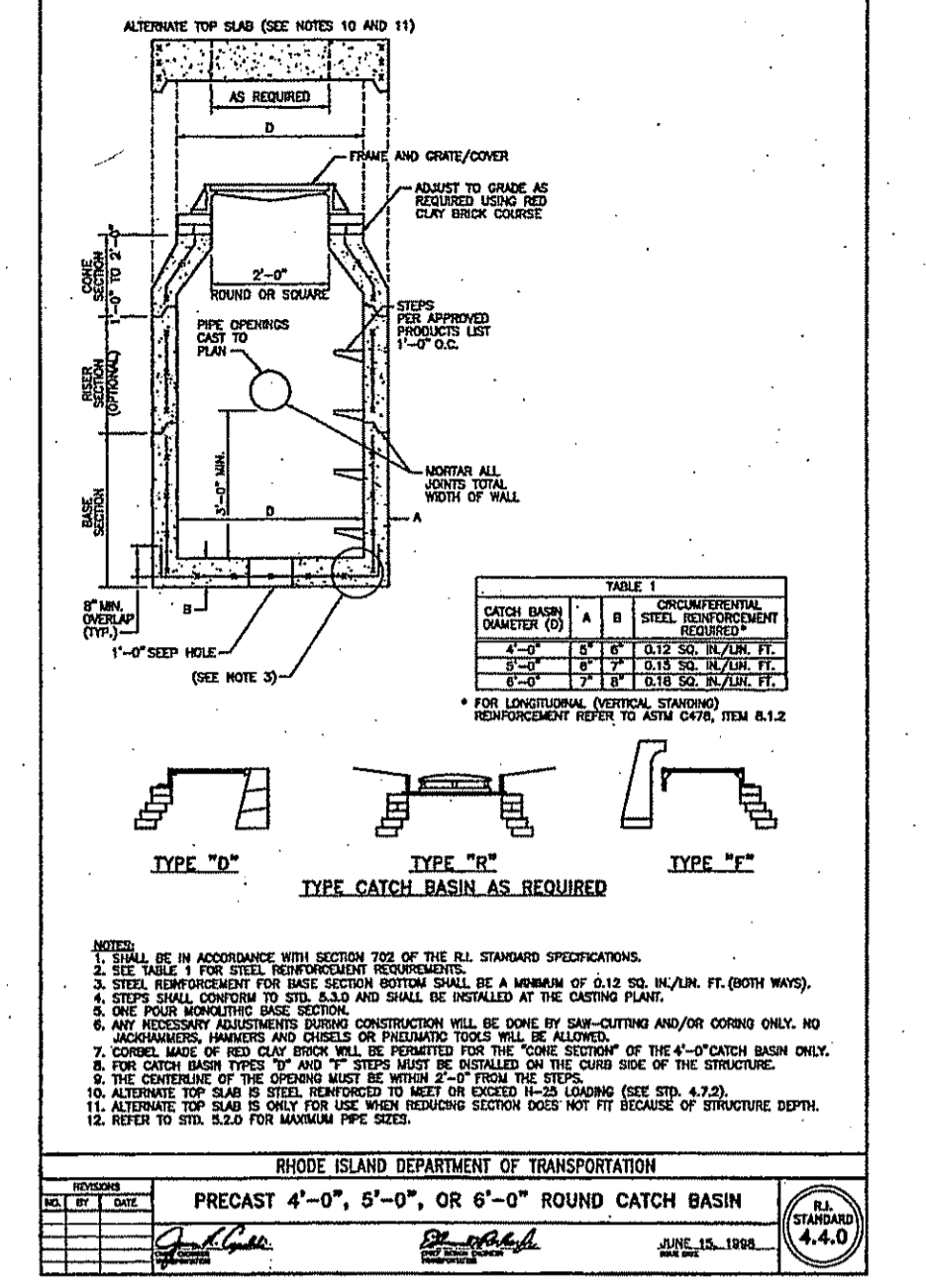
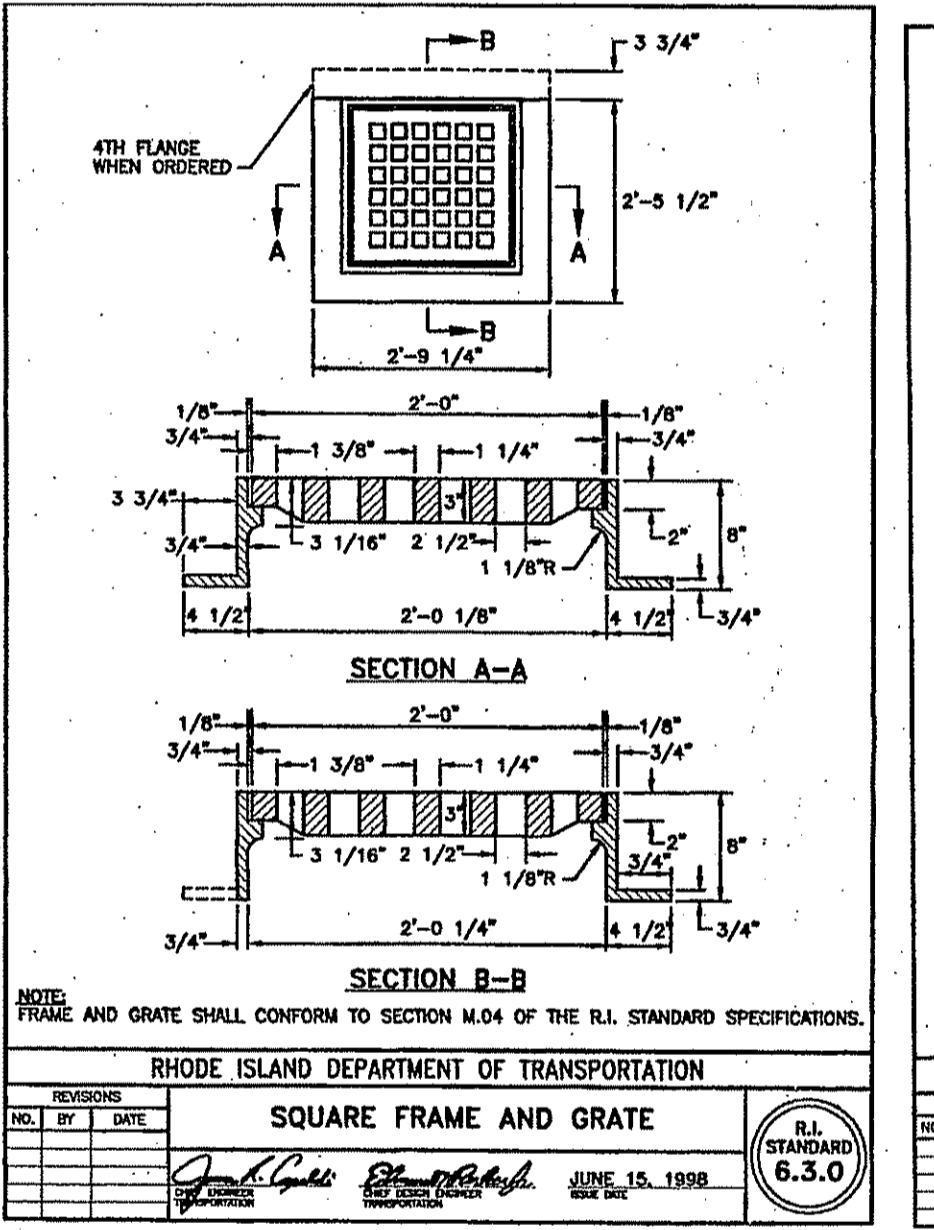
- 1. THE KENT COUNTY WATER AUTHORITY REQUIREMENTS FOR SERVICE AND MAIN INSTALLATION ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO.
2. ALL DISTRIBUTION SYSTEM PIPING SHALL BE CLASS 52 DUCTILE IRON, DOUBLE CEMENT MORTAR LINES, PUSH ON STYLE JOINTS EXCEPT AS REQUIRED BY THE KENT COUNTY WATER AUTHORITY. PIPE SHALL MEET THE REQUIREMENTS OF ANSI/AWWA C151/A21.1. JOINTS SHALL MEET THE REQUIREMENTS OF ANSI/AWWA C111/A21.11.
3. FITTINGS SHALL BE DUCTILE IRON MECHANICAL JOINT CLASS 350 CEMENT MORTAR LINED COMPACT STYLE AMERICAN MANUFACTURED ONLY. FITTINGS SHALL MEET THE REQUIREMENTS OF ANSI/AWWA C153/A21.53. MECHANICAL JOINTS SHALL MEET THE REQUIREMENTS OF ANSI/AWWA C111/A21.11.
4. COATINGS USED FOR BOTH PIPES AND FITTINGS SHALL BE APPROVED FOR WATER SERVICE BY THE AMERICAN WATER WORKS ASSOCIATION AND THE ENVIRONMENTAL PROTECTION AGENCY. COATINGS SHALL MEET THE REQUIREMENTS OF ANSI/AWWA C104/A21.4.
5. ANY INSTALLATION, JOINTS, CONSTRUCTION METHODS AND MATERIALS SHALL BE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS, KENT COUNTY WATER AUTHORITY RECOMMENDATIONS, AWWA STANDARDS AND GOVERNMENTAL REQUIREMENTS.
6. CONSTRUCTION SHALL INCLUDE ALL PIPE, JOINTS, BENDS, TEES, FITTINGS, THRUST BLOCKS, GATE VALVES, GATE BOXES, SERVICE CONNECTIONS AND ALL MISCELLANEOUS ITEMS REQUIRED TO CONSTRUCT THE PROPOSED SYSTEM.
7. CONCRETE THRUST, ANCHOR OR BEARING BLOCKS SHALL BE INSTALLED IN LOCATIONS INDICATED AND AT ALL BENDS, FITTINGS, PLUGS, ETC. WHEN A THRUST BLOCK CANNOT BE PLACED AGAINST UNDISTURBED EARTH, A REACTION BLOCK SUBSTITUTE SHALL BE DESIGNED AND SUBMITTED TO THE ENGINEER FOR APPROVAL.
8. LEAKAGE TESTS AND THE CHLORINATION OF THE WATER DISTRIBUTION SYSTEM SHALL BE PERFORMED BY THE CONTRACTOR IN CONFORMANCE TO AMERICAN WATER WORKS ASSOCIATION (AWWA) RECOMMENDATIONS, KENT COUNTY WATER AUTHORITY REQUIREMENTS AND GOVERNMENTAL AGENCIES HAVING JURISDICTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FEES ASSOCIATED WITH SAID TESTING.
9. ALL GATE VALVES, FITTINGS, PIPE, JOINTS, ETC., SHALL BE DESIGNED FOR A CONSTANT WORKING PRESSURE OF NO LESS THAN 150 PSI.
10. WATER PIPE SHALL TYPICALLY BE LOCATED AT LEAST TEN (10) FEET HORIZONTALLY FROM SEWER PIPE AND AT A DEPTH OF COVER EQUAL TO 5'-0" TO CROWN OF PIPE.
11. ALL SYSTEM COMPONENTS AND CONSTRUCTION METHODS, SUCH AS GATE VALVE, PIPE, THRUST BLOCKS, FITTINGS, AIR RELEASE ASSEMBLIES, CASTINGS, ETC., SHALL BE SUBMITTED TO THE KENT COUNTY WATER AUTHORITY AND ENGINEER APPROVAL PRIOR TO PURCHASE AND INSTALLATION. THIS SUBMISSION SHALL INCLUDE MANUFACTURER'S LITERATURE, SHOP DRAWINGS, PROPOSED CONSTRUCTION METHODS, ETC.
12. BEDDING FOR WATER UTILITY SHALL BE TYPE 5 KCWA BEDDING.
13. THE CONTRACTOR SHALL NOTIFY THE KENT COUNTY WATER AUTHORITY FIVE (5) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK ASSOCIATED WITH THE WATER DISTRIBUTION SYSTEM.
14. WASTE CHLORINATION WATER USED TO DISINFECT THE POTABLE WATER SYSTEM SHALL BE DE-CHLORINATED PRIOR TO BEING DISCHARGED OVER LAND, AWAY FROM ANY STATE REGULATED FRESHWATER WETLANDS. POTENTIAL EROSION FROM SAID DISCHARGE SHALL BE CONTROLLED WITH A HAYBALE EROSION CHECK.
15. CONTRACTOR MUST SUPPLY THE 2-INCH METER AND BACKFLOW PREVENTOR TO SUPPORT THE JUMPER ASSEMBLY NECESSARY FOR DISINFECTION AND PRESSURE TESTING.
16. WATER LINE SHALL BE SEALED AT THE END OF EVERY WORK DAY WITH A SUITABLE CAP OR PLUG CONFIGURATION TO PREVENT DIRT AND/OR GROUNDWATER FROM ENTERING THE MAIN.
17. DEVELOPER SHALL COLLECT AND DOCUMENT ALL AS-BUILT INFORMATION REQUIRED TO COMPLY WITH SECTION 3.13 OF THE KENT COUNTY WATER AUTHORITY REGULATIONS.
18. WATER SERVICE SHALL NOT BE ACTIVATED UNTIL A COMPLETE SET OF AS-BUILT PLANS FOR THE PROPOSED WORK MEETING THE REQUIREMENTS OF KENT COUNTY WATER AUTHORITY HAVE BEEN SUBMITTED AND APPROVED PER SECTION 3.13 OF OF THE KENT COUNTY WATER AUTHORITY REGULATIONS.

SEWER NOTES

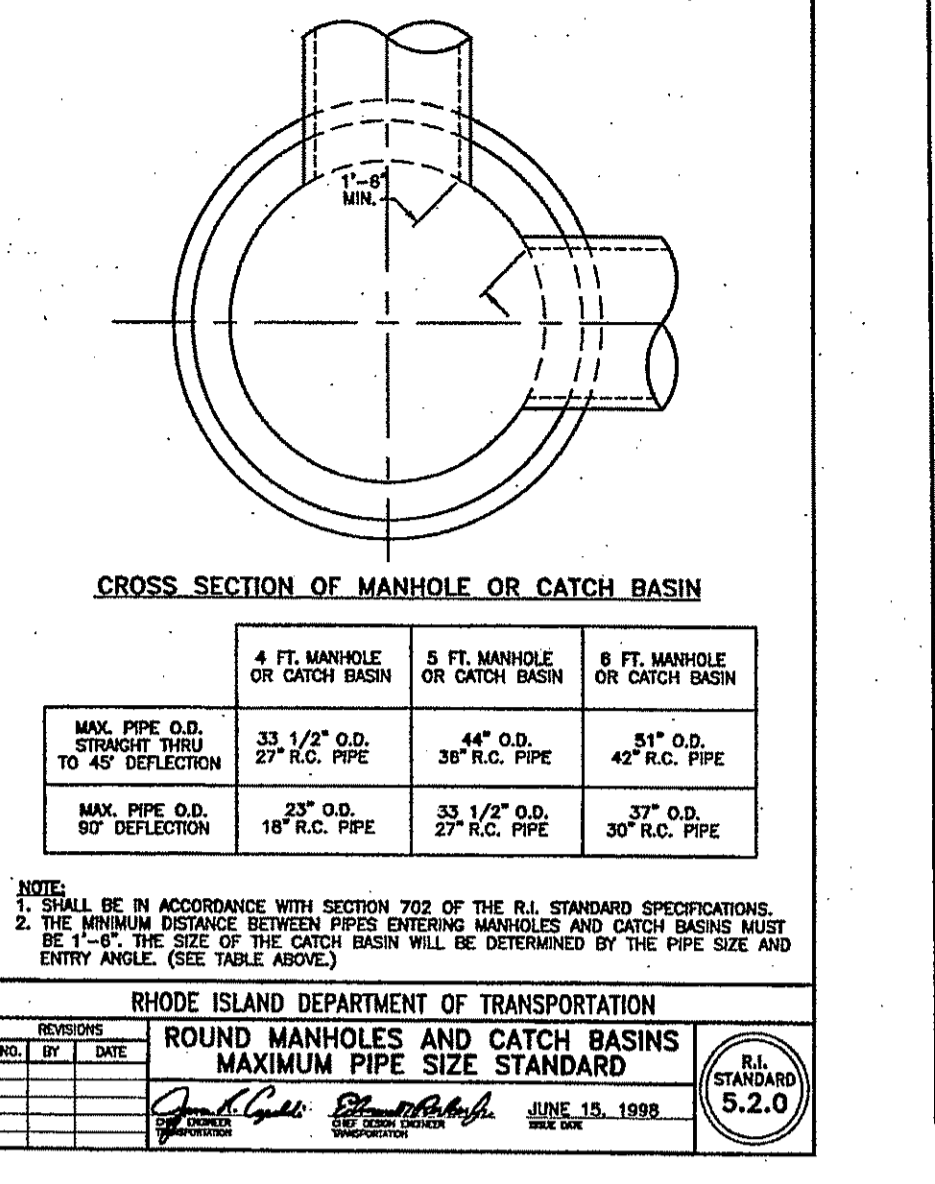
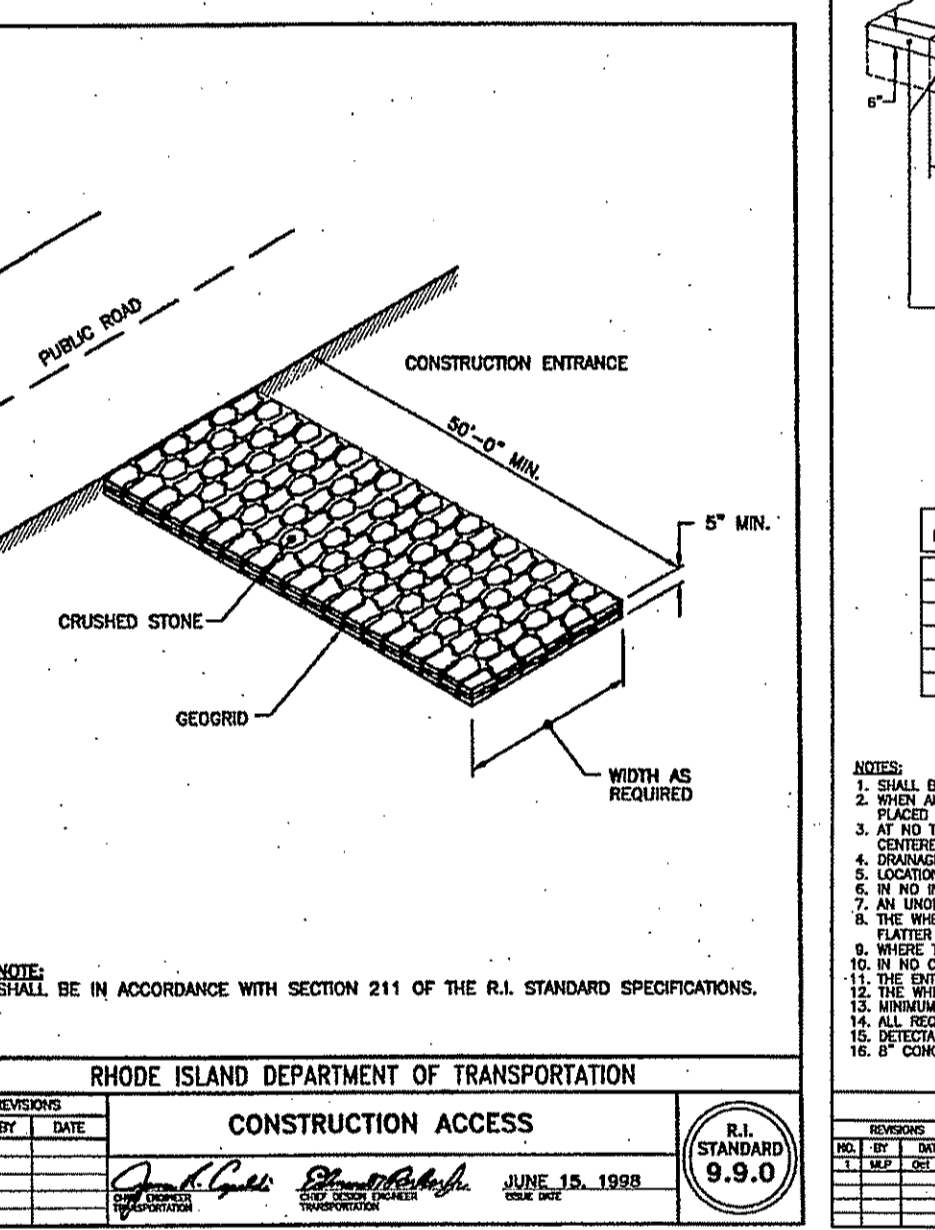
- 1. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN COMPLETE CONFORMANCE WITH THE STANDARD SANITARY SEWER REQUIREMENTS FOR THE EAST GREENWICH REGIONAL WASTEWATER FACILITY.
2. ALL GRAVITY SEWER PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM SPECIFICATION D3034, SDR 35.
3. WATER OR LOW PRESSURE AIR TESTING SHALL BE CONDUCTED TO ASSURE LEAKAGE DOES NOT EXCEED 100 GALLONS/DAY/INCH DIAMETER/MILE OF PIPE. (GRAVITY)
4. ALL SYSTEM COMPONENTS AND CONSTRUCTION METHODS, SUCH AS VALVES, PIPES, PUMPS, GUIDE RAILS, VAULTS, HATCHES AND CONTROLS SHALL BE SUBMITTED TO THE EAST GREENWICH REGIONAL WASTEWATER FACILITY AND THE ENGINEER FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION. THIS SUBMISSION SHALL INCLUDE MANUFACTURER'S LITERATURE, SHOP DRAWINGS, PROPOSED CONSTRUCTION METHODS, ETC.



NOTE: ALL SEWER MANHOLES SHALL HAVE 30° OPENING FOR FRAME AND COVER



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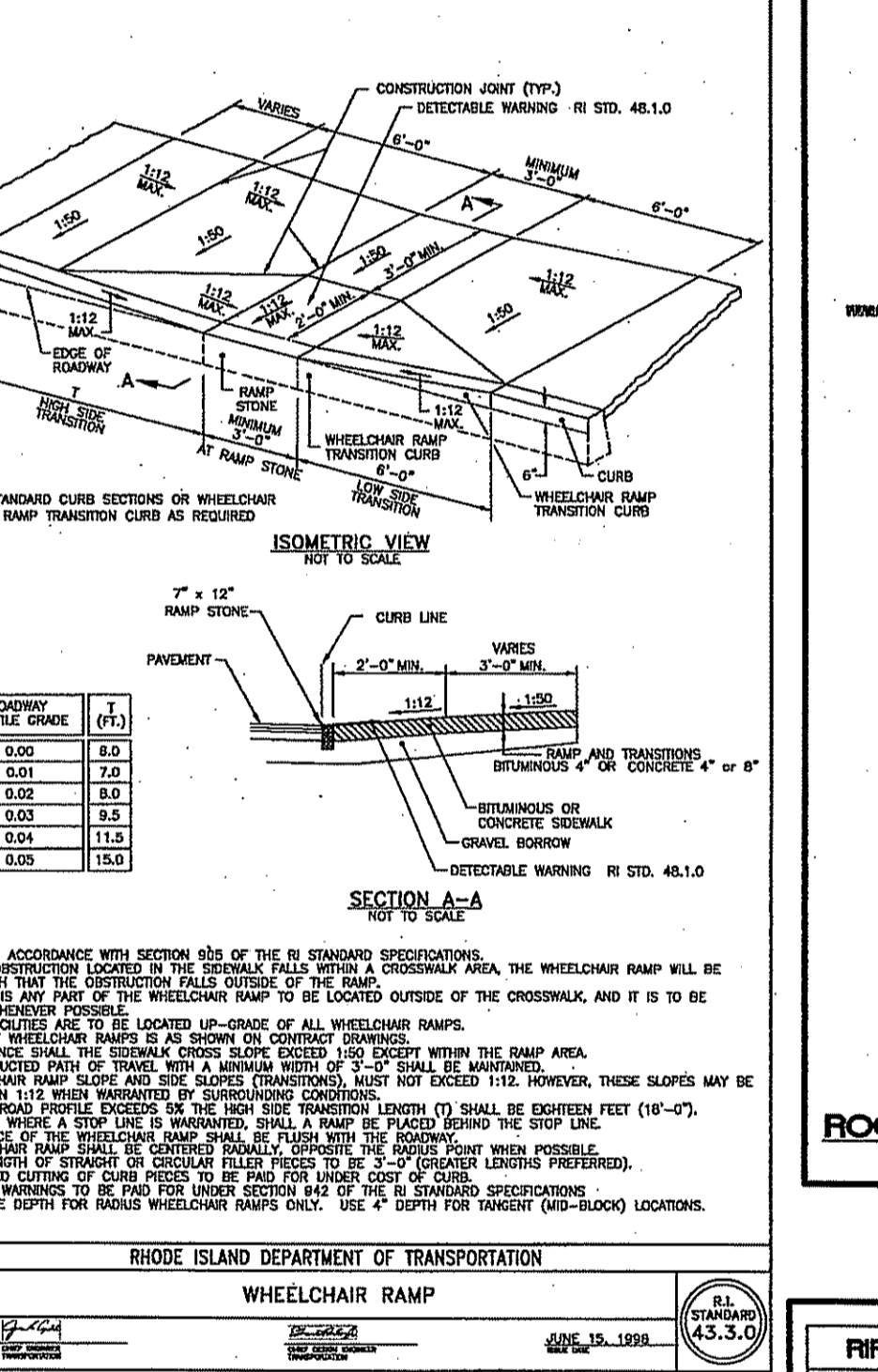
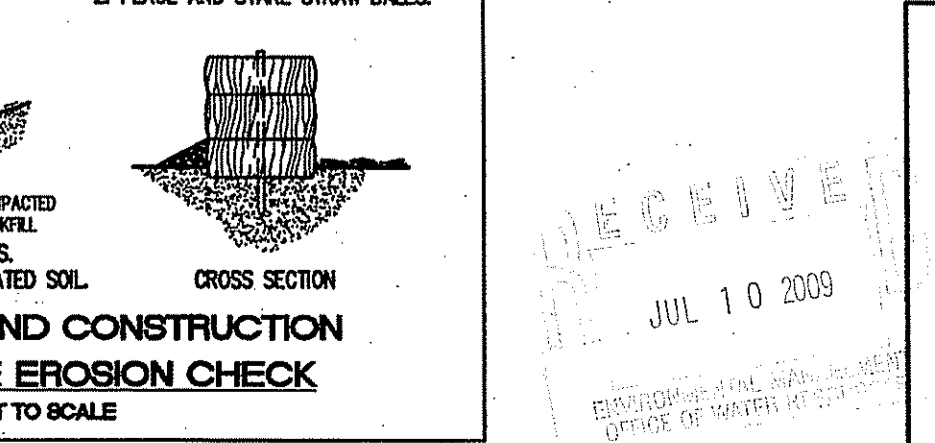
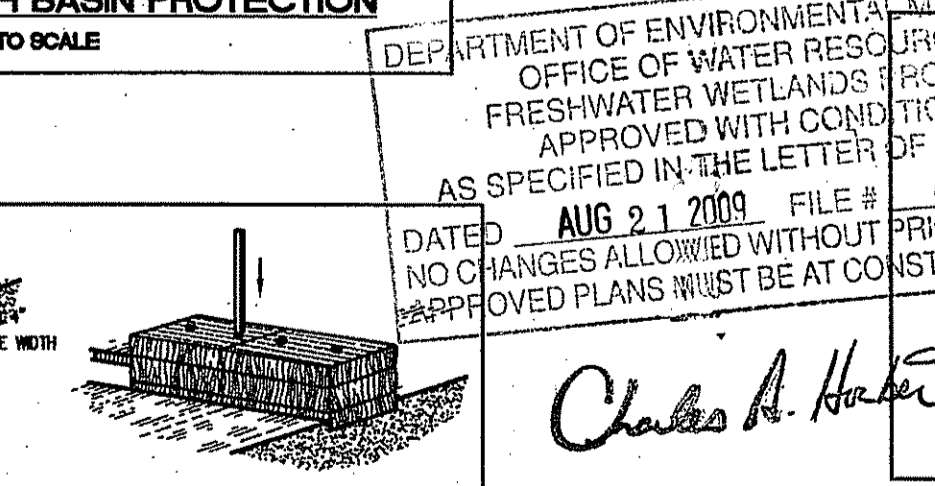
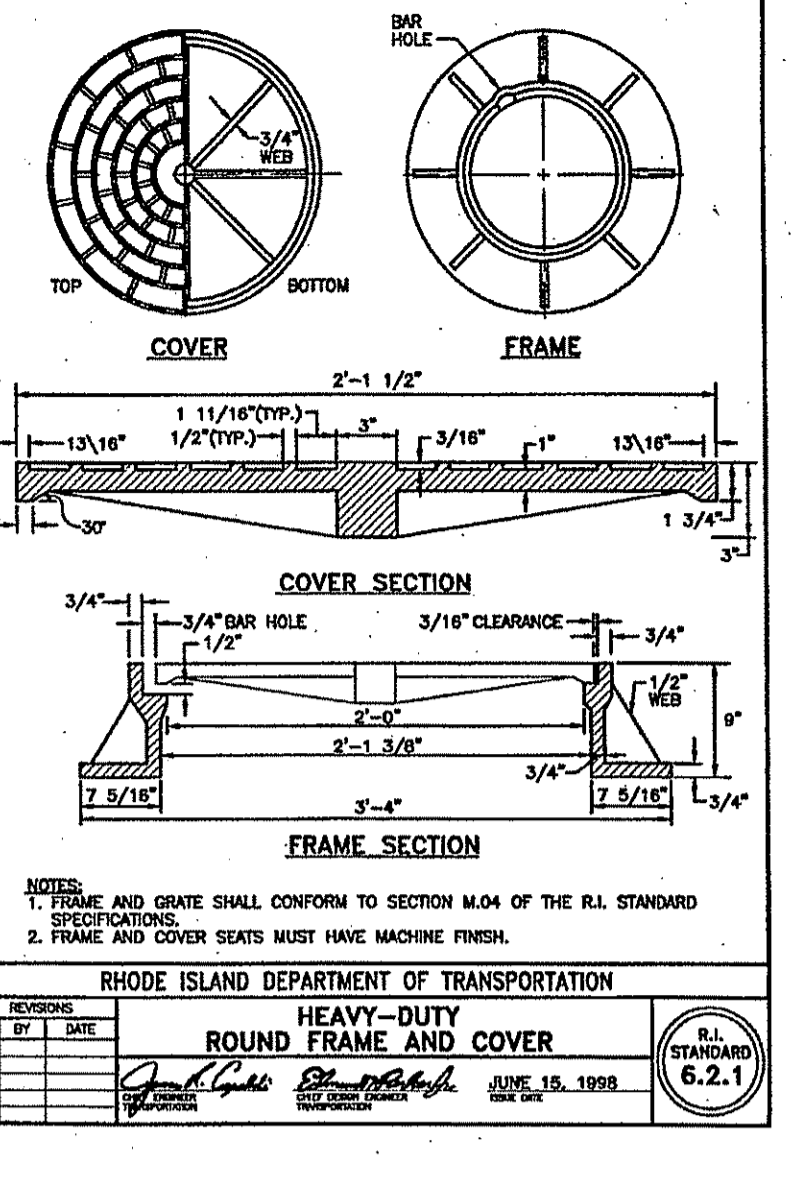


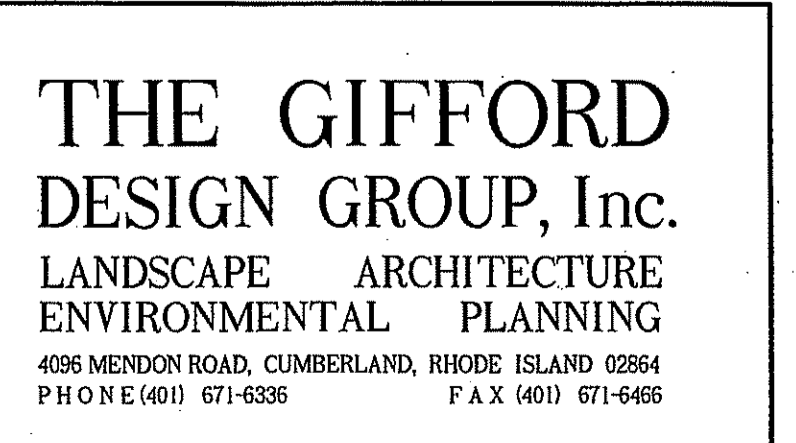
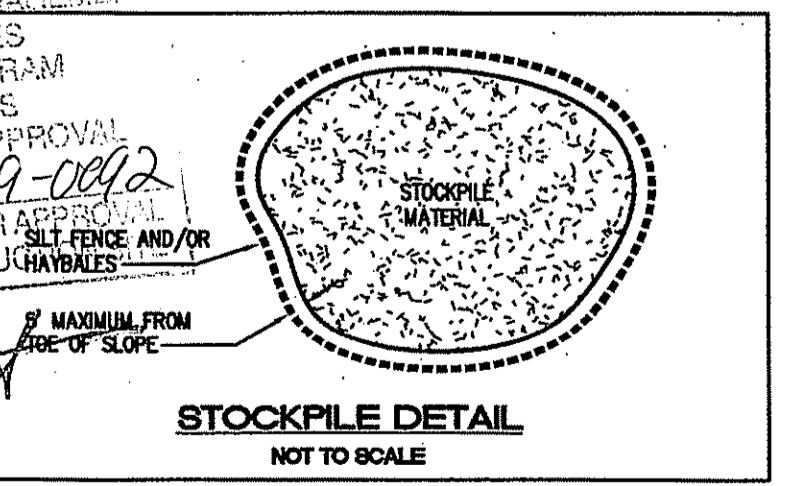
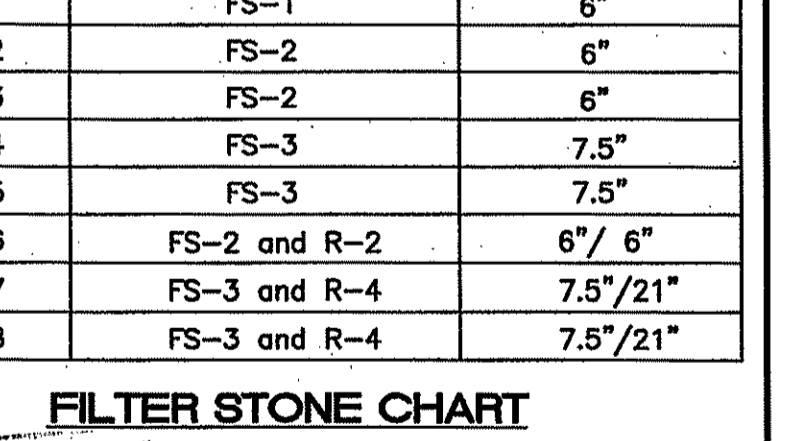
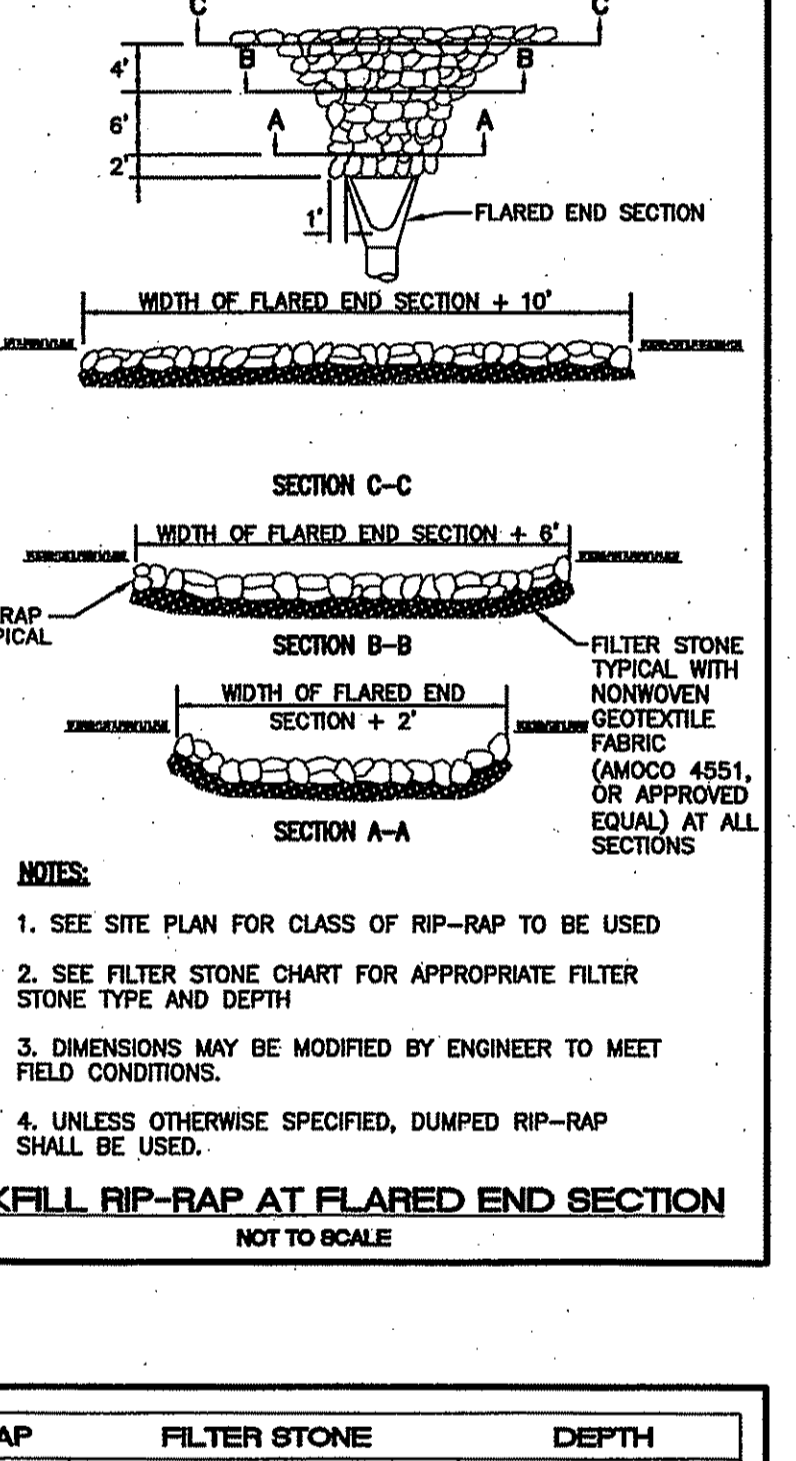
Table with 3 columns: RIPRAP, FILTER STONE, and DEPTH. Rows R-1 through R-8 show different combinations of riprap and filter stone depths.



NOTE: SILT FENCE IS AN ACCEPTABLE ALTERNATE TO THE PLACEMENT OF STAKED HAYBALES AS SHOWN ON THE SITE PLANS.



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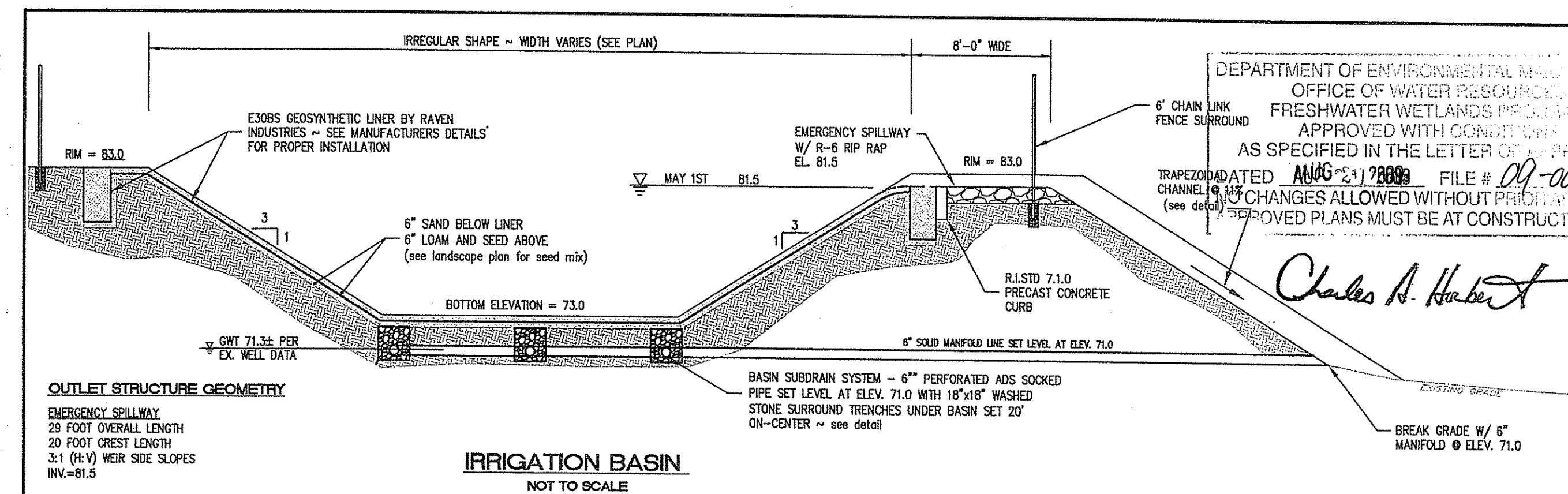
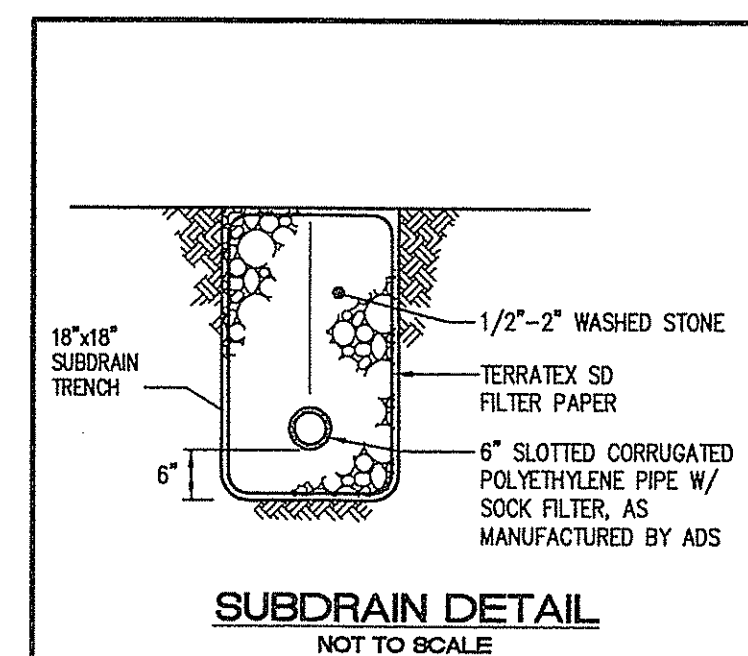
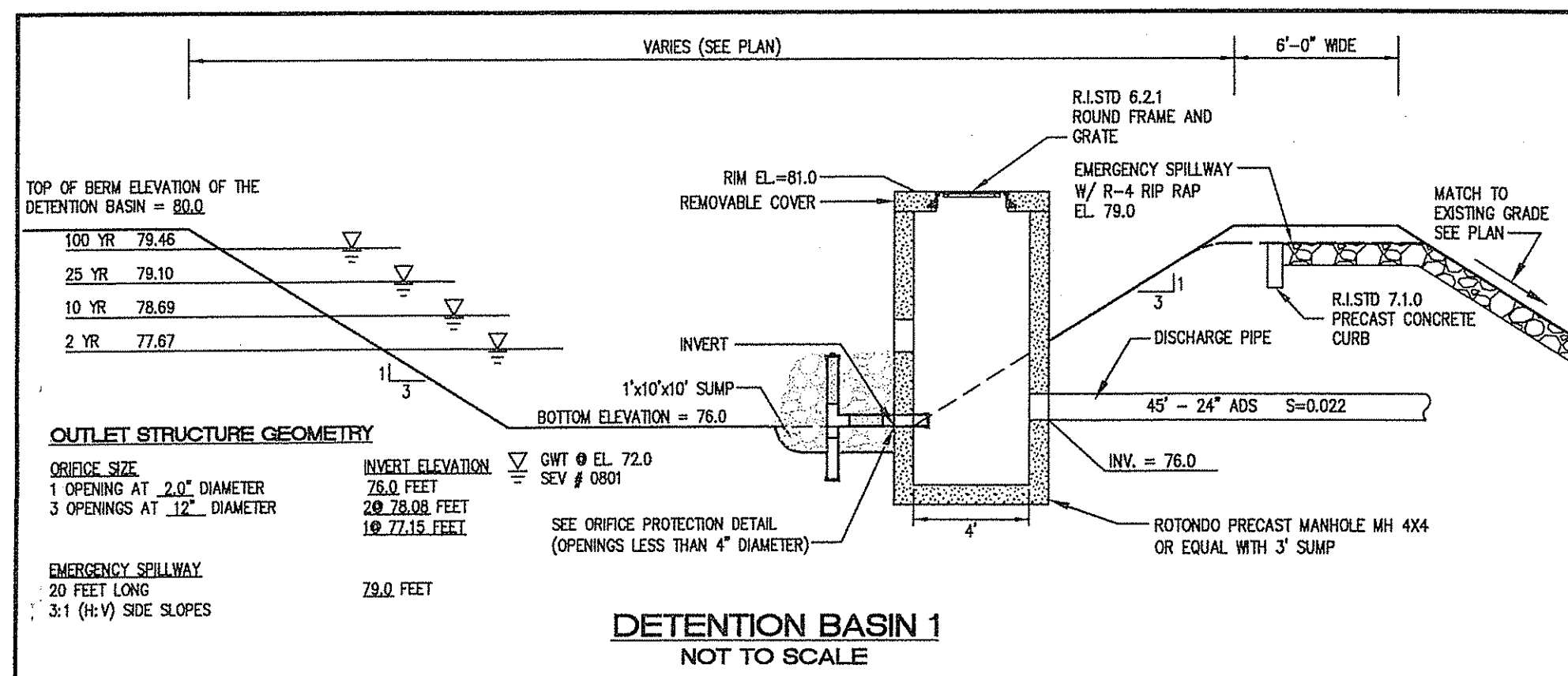
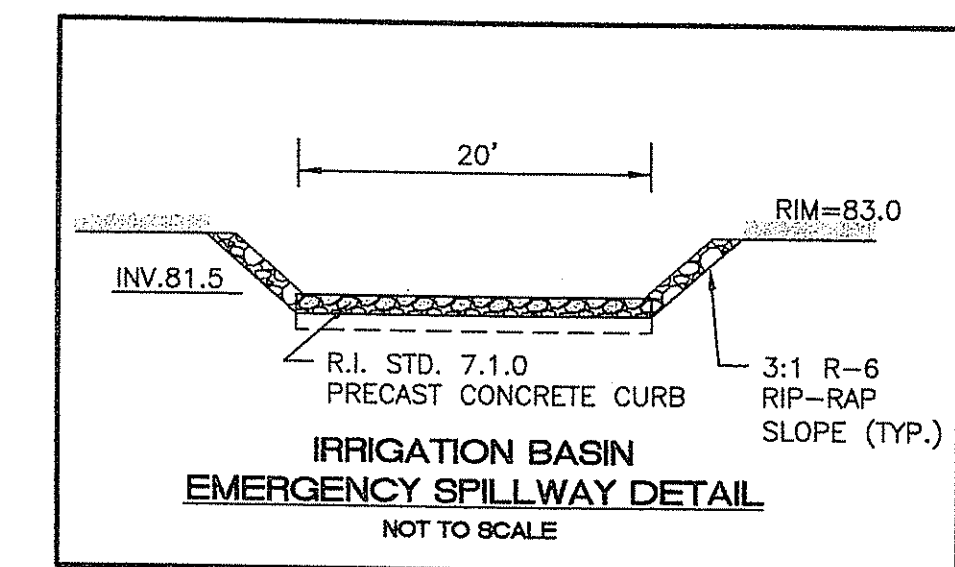
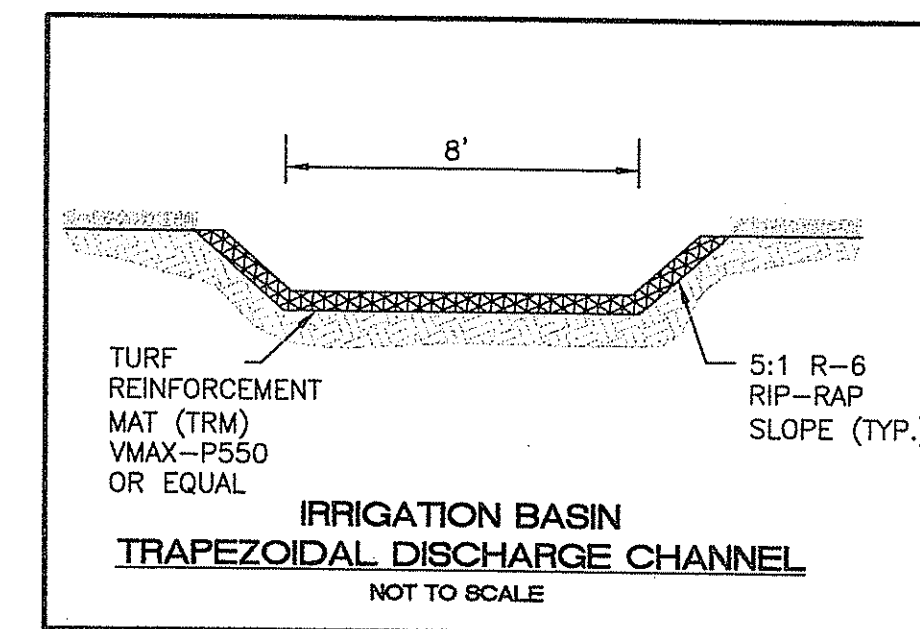
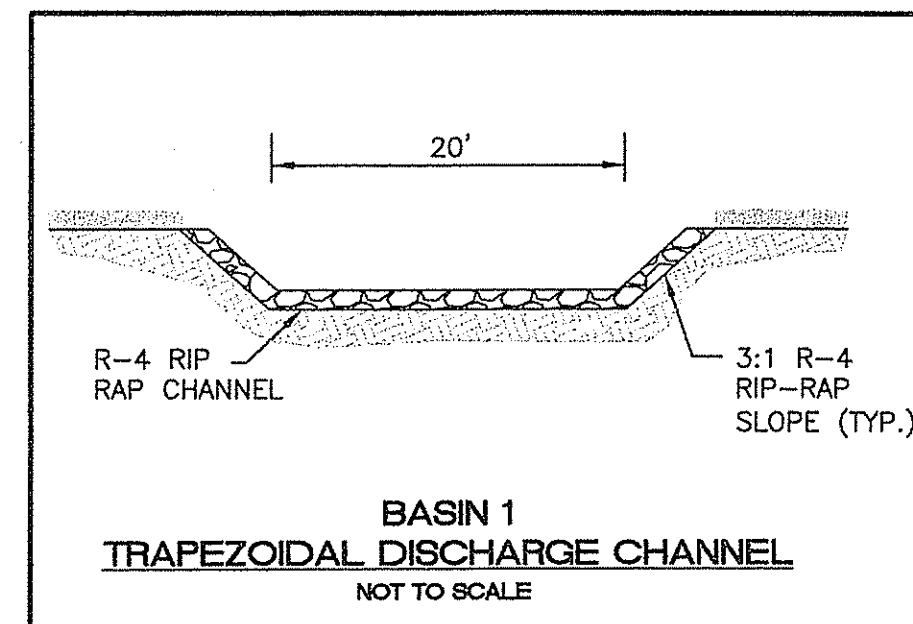
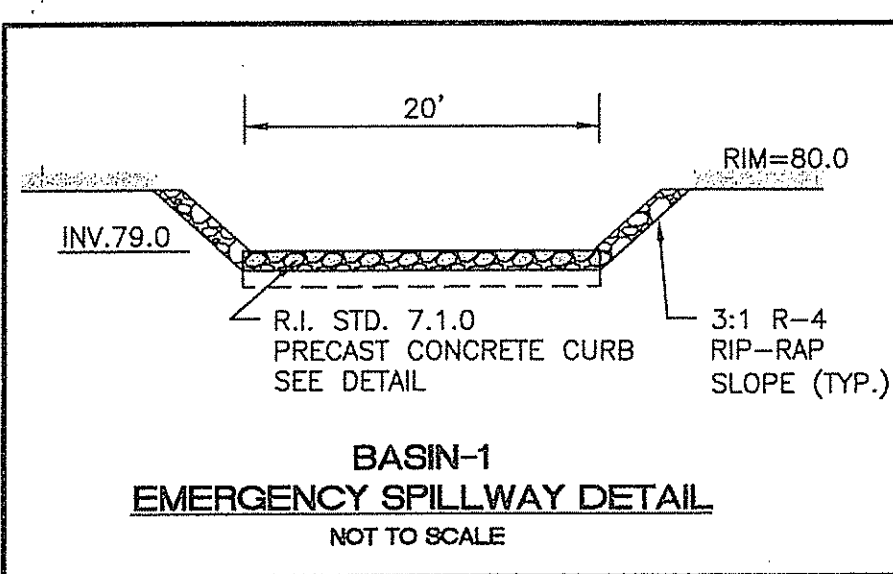
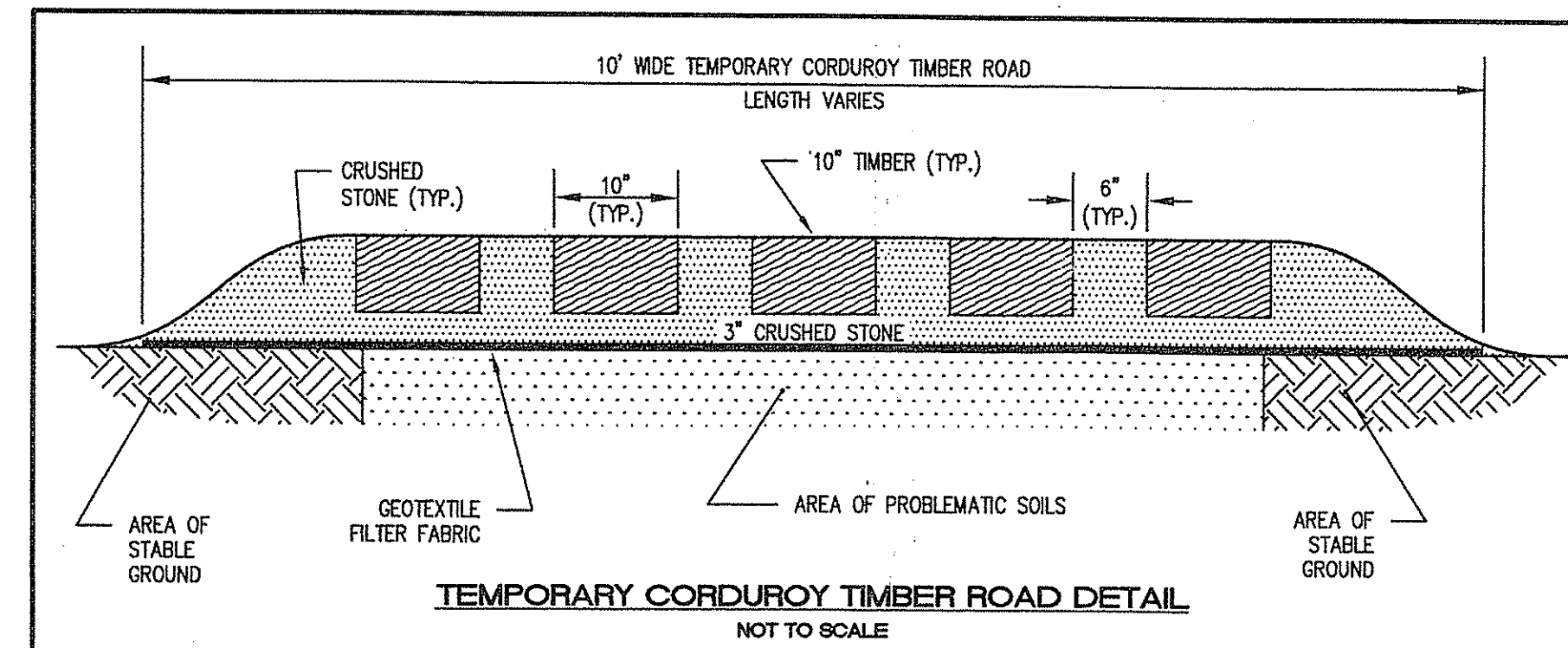
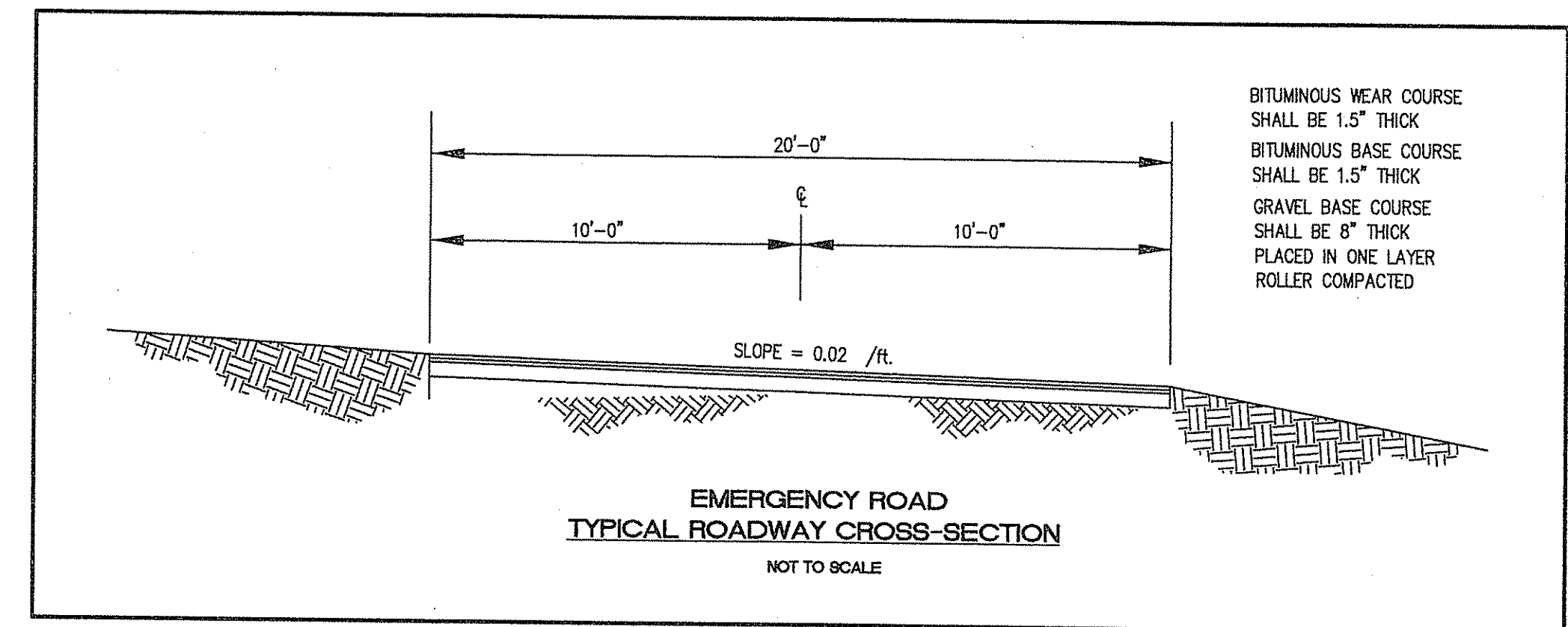
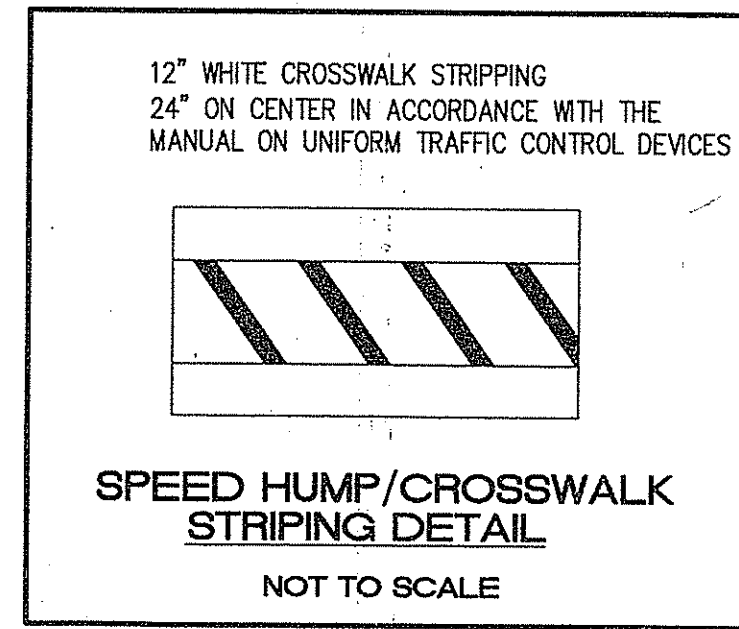
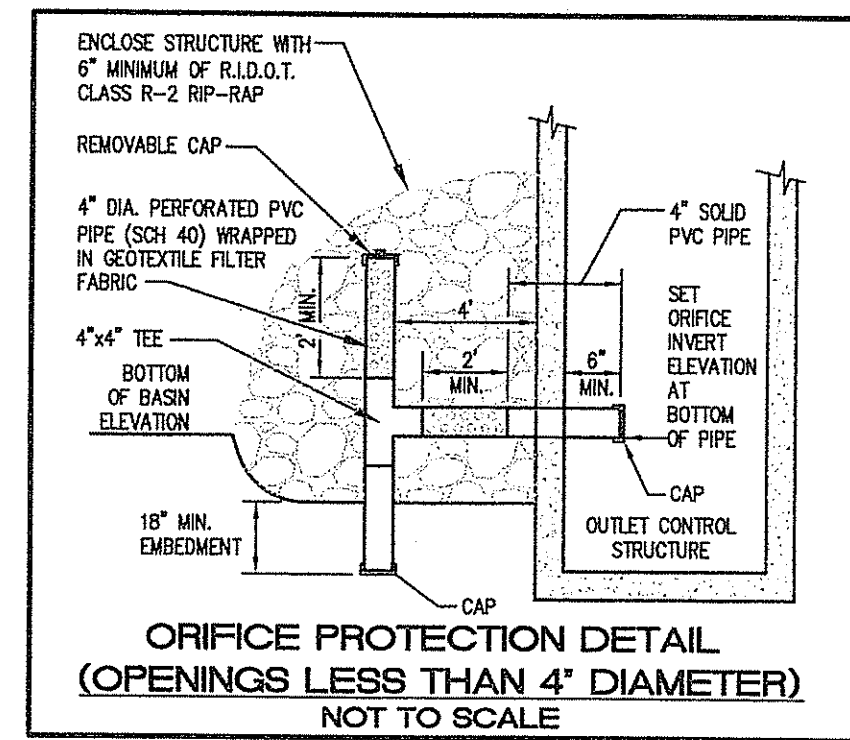
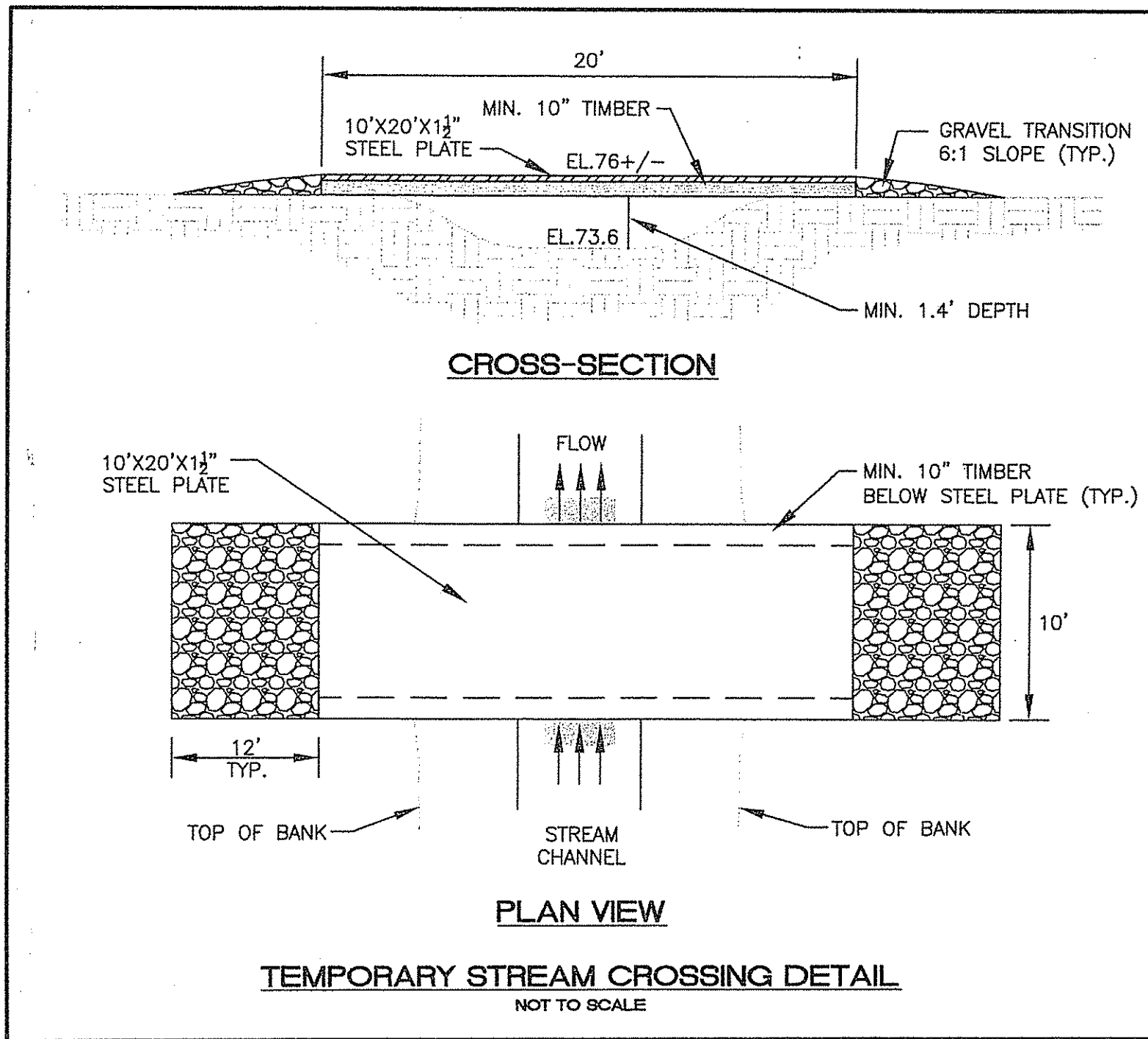
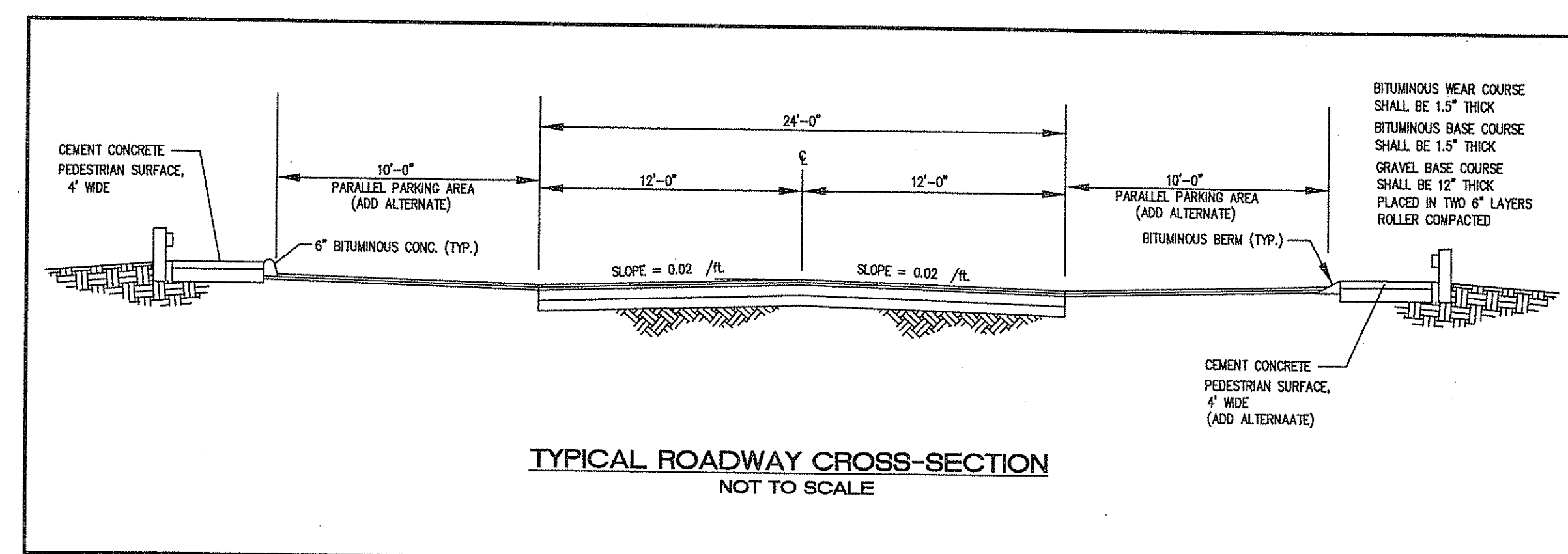
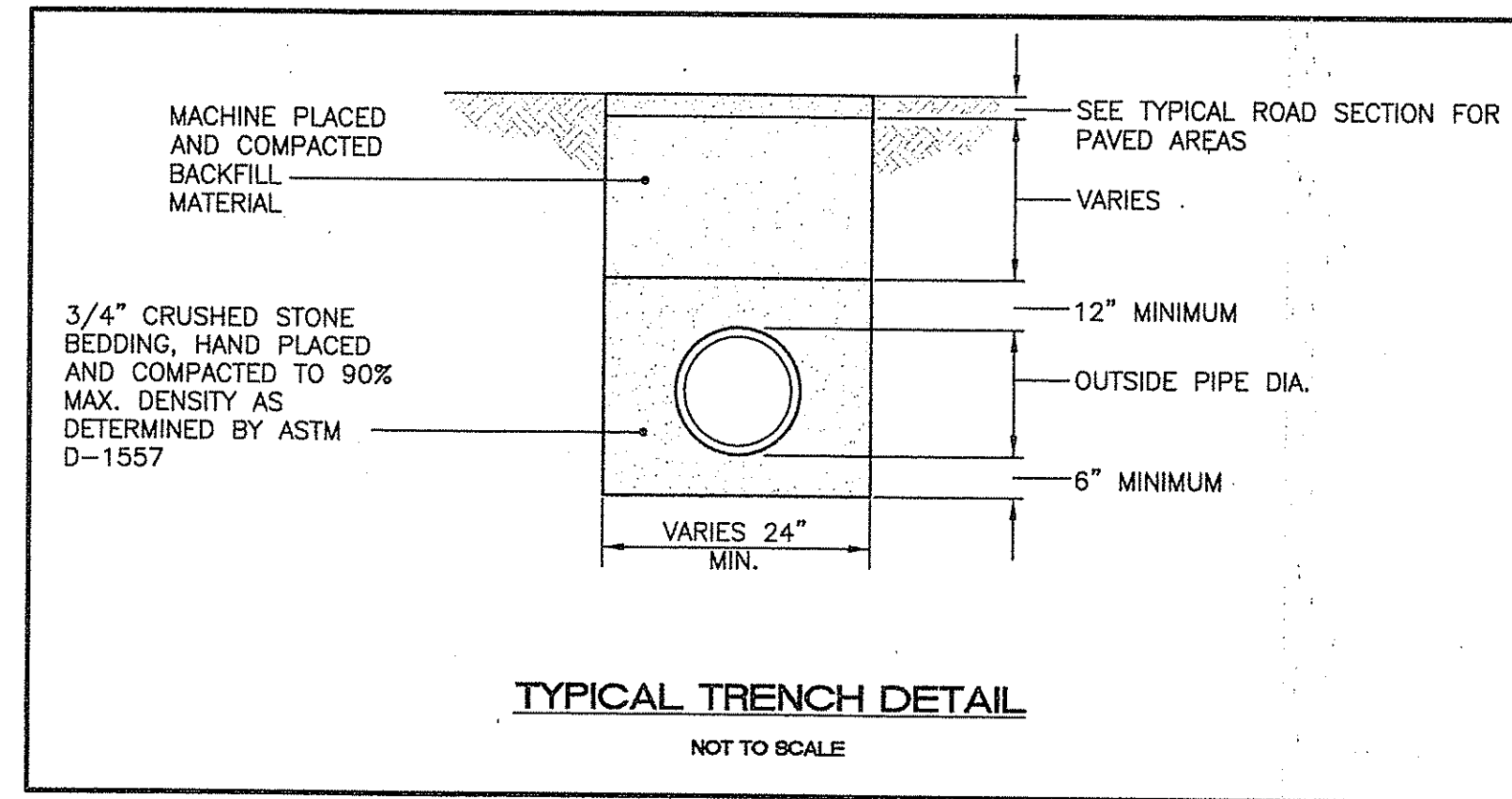
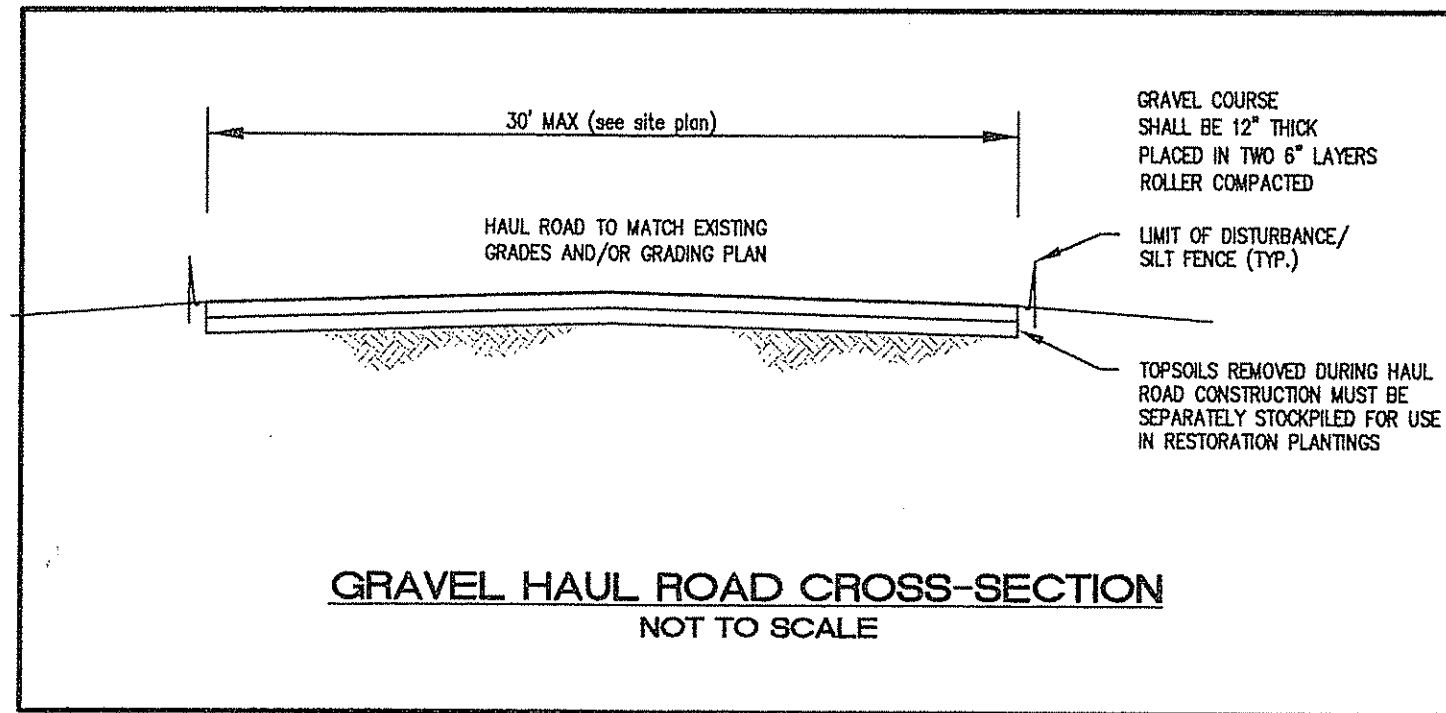
NOTE: SILT FENCE IS AN ACCEPTABLE ALTERNATE TO THE PLACEMENT OF STAKED HAYBALES AS SHOWN ON THE SITE PLANS.

Professional Engineer information for John P. Caito, including license number and contact details.

Project information including project number (8071500), date (October 2008), scale (AS SHOWN), and drawing number (36).

Logo and contact information for The Gifford Design Group, Inc., including address and phone number.

1530-NOTES & DETAILS-22.dwg (DISK: 2-104)



NO.	DATE	REVISION
1	8/7/09	RODEM COMMENTS
2	8/30/09	RODEM COMMENTS

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REGISTERED PROFESSIONAL ENGINEER  
NO. 4398

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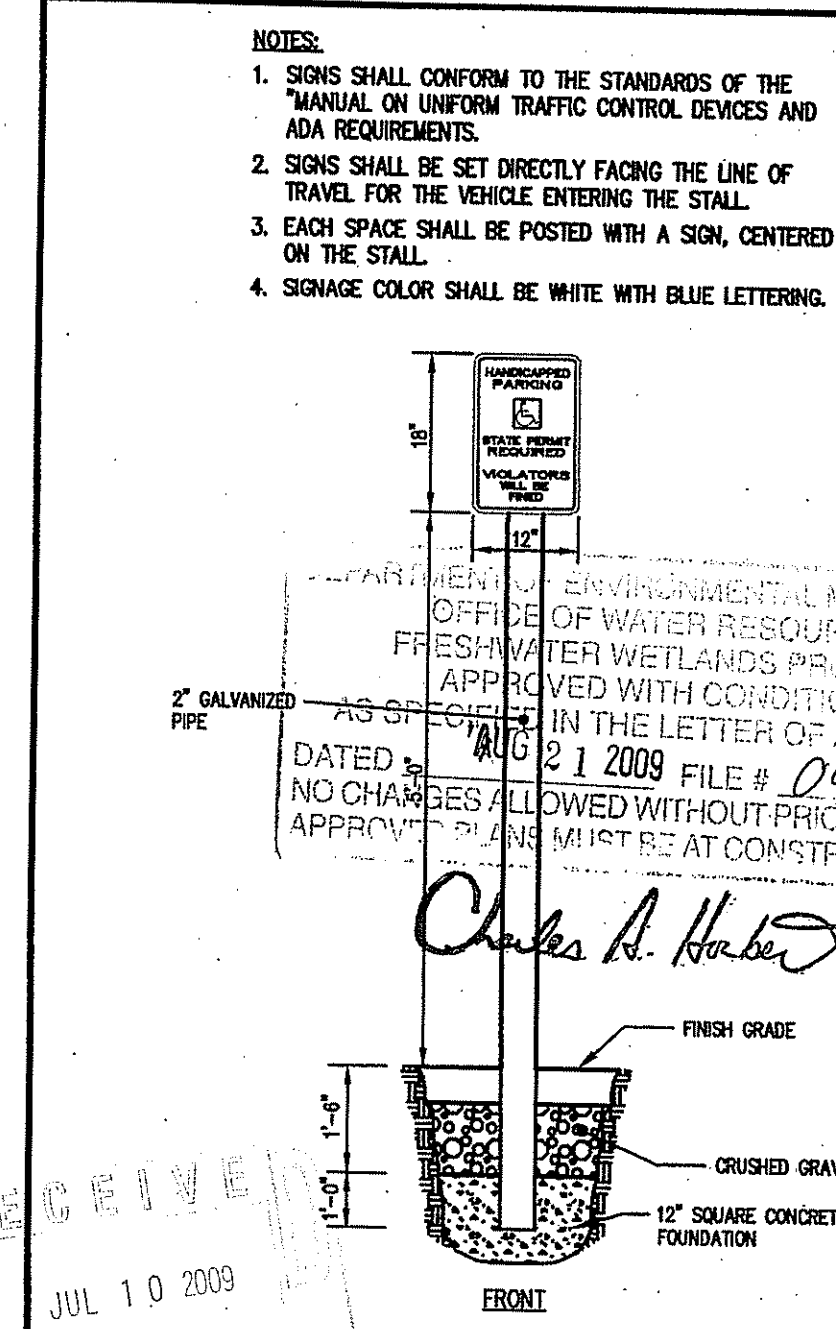
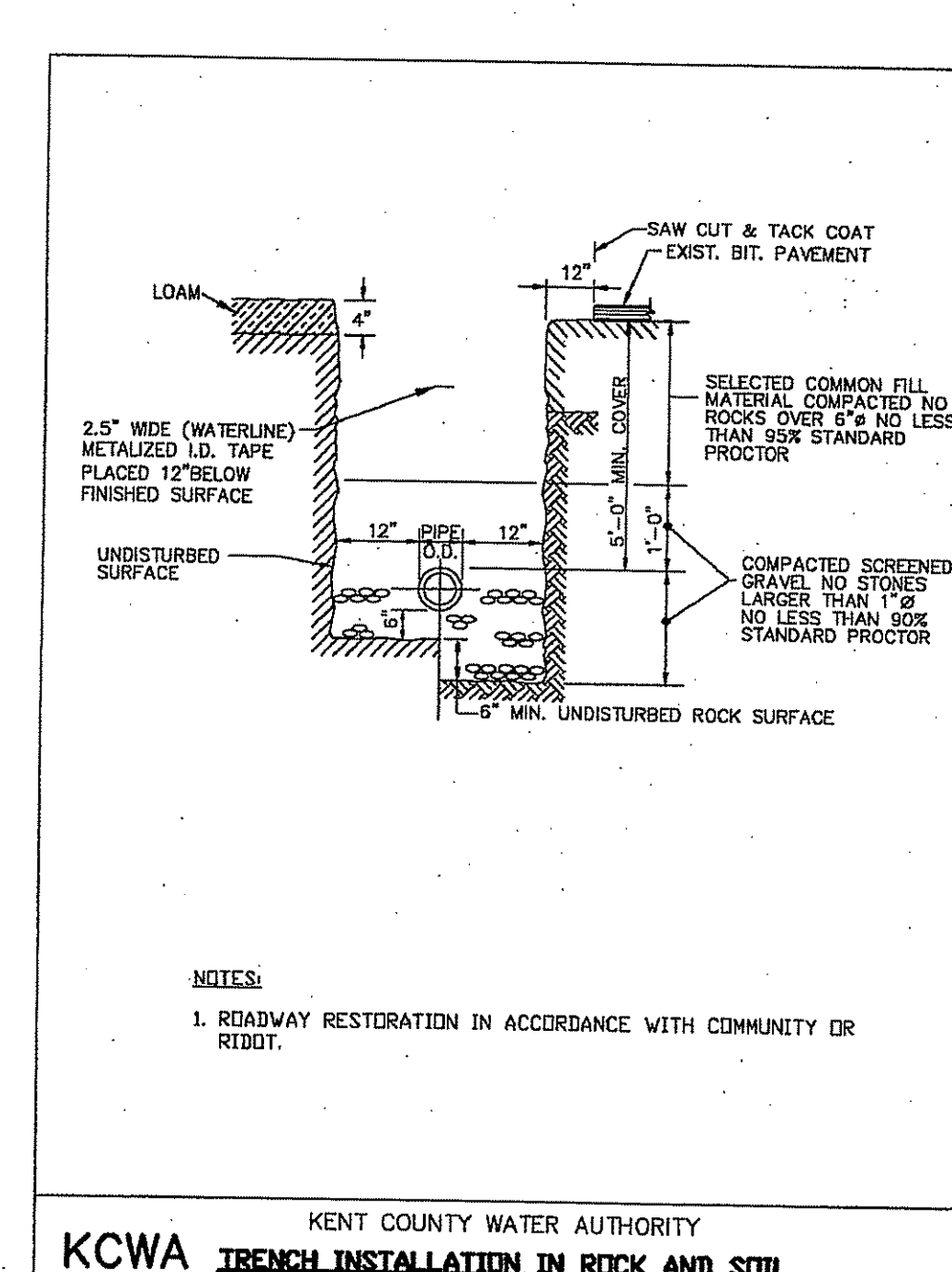
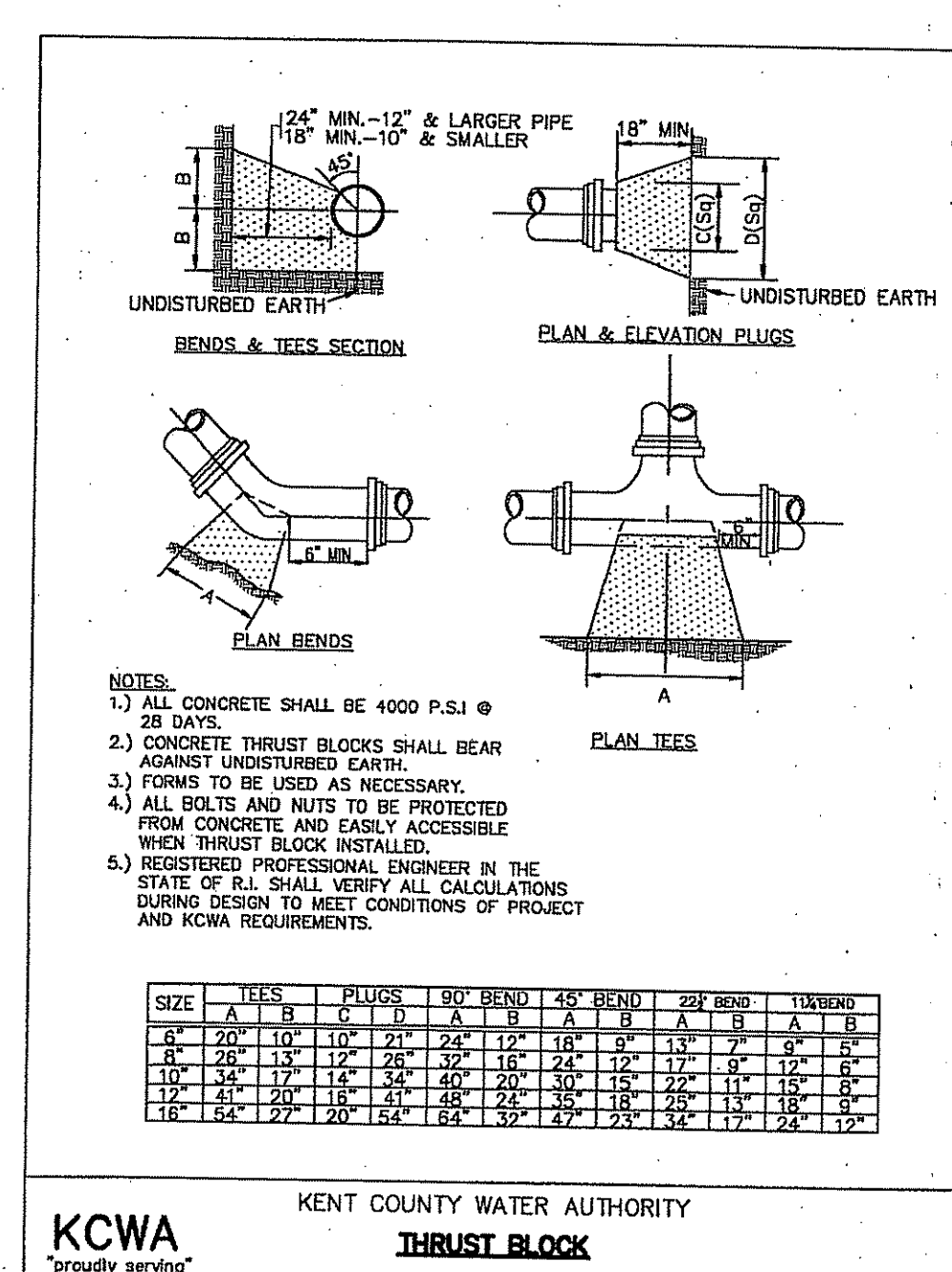
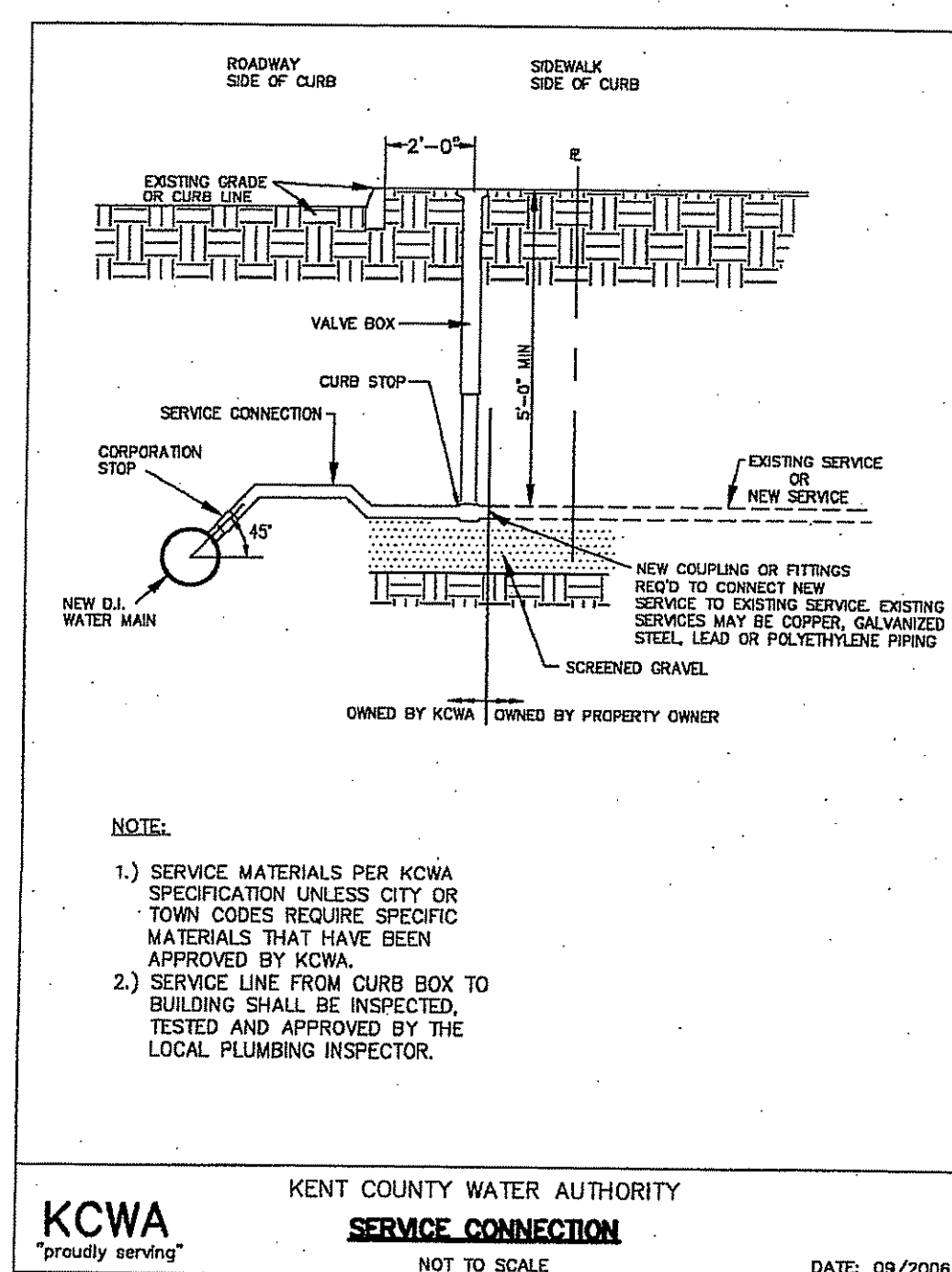
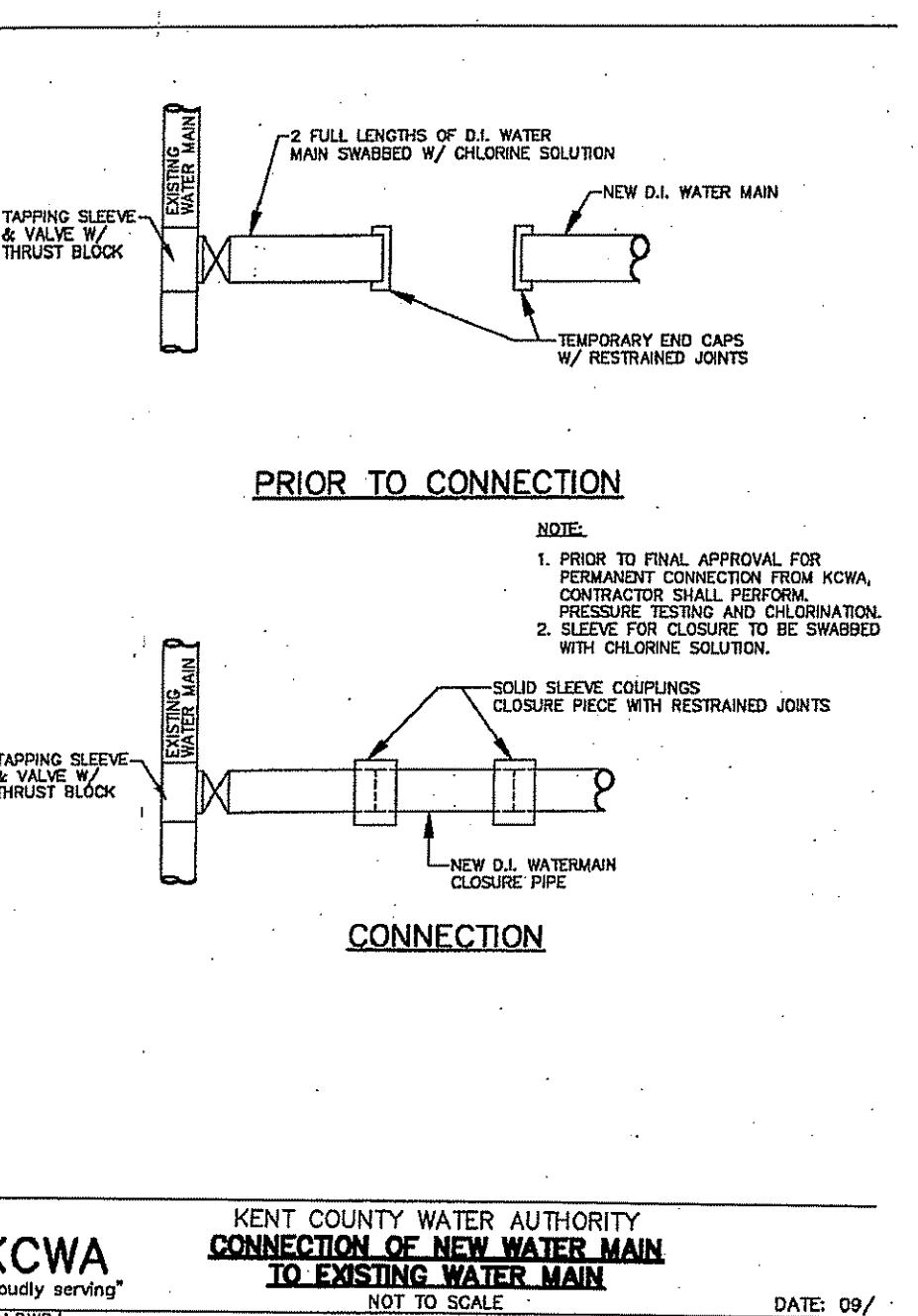
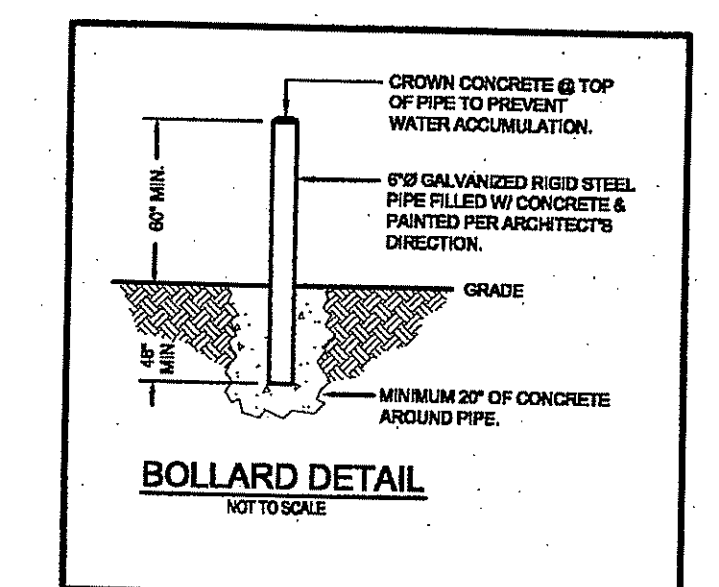
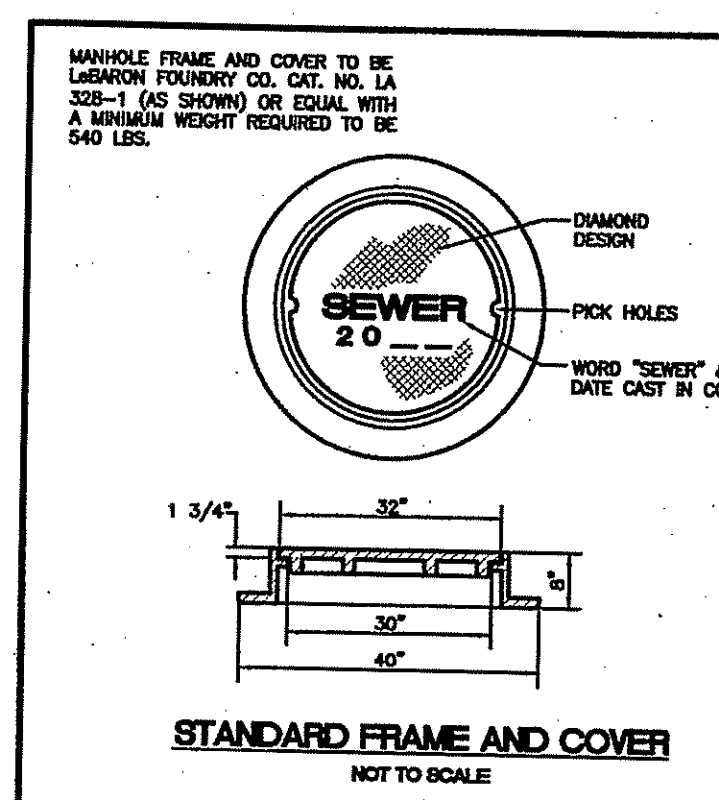
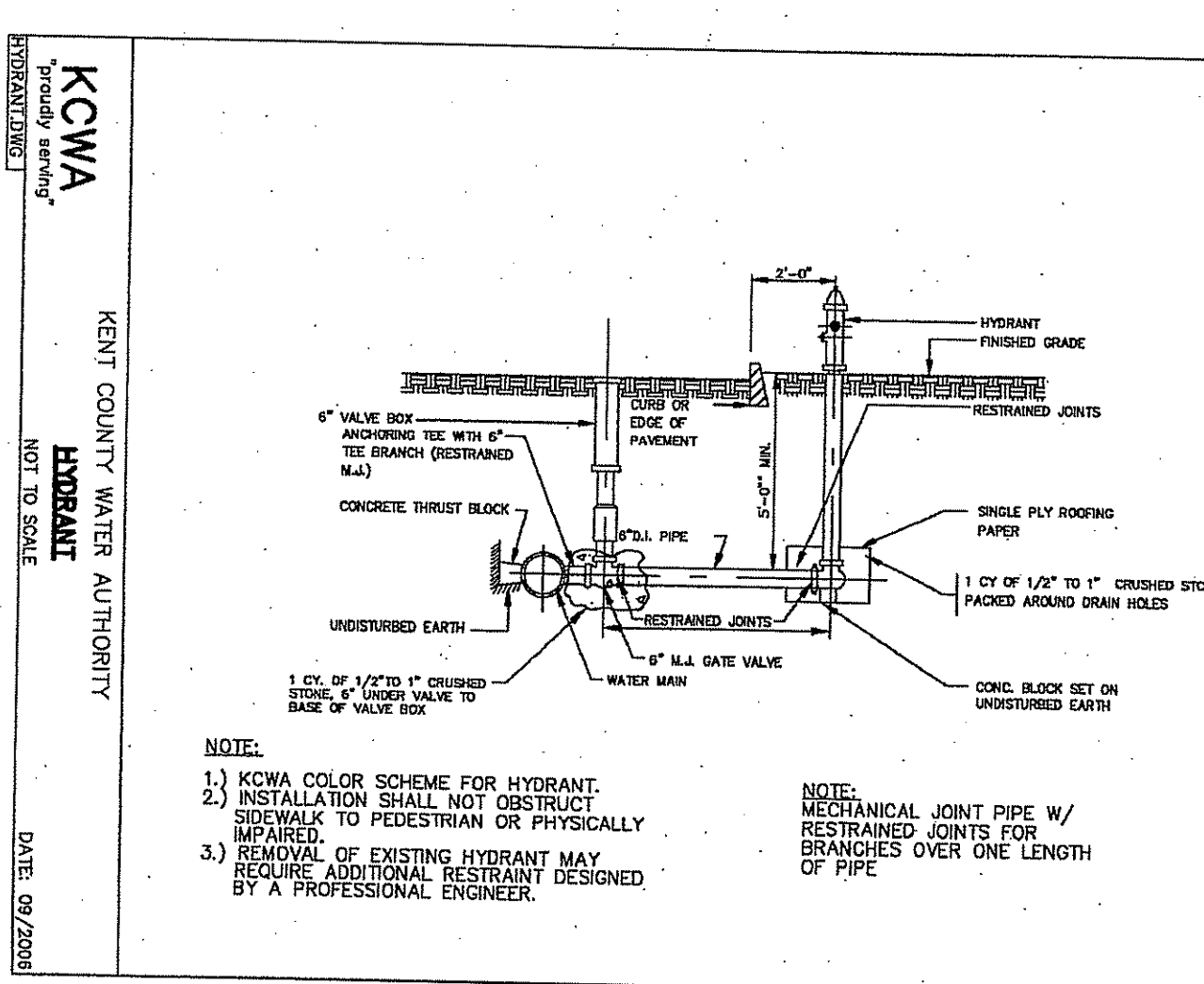
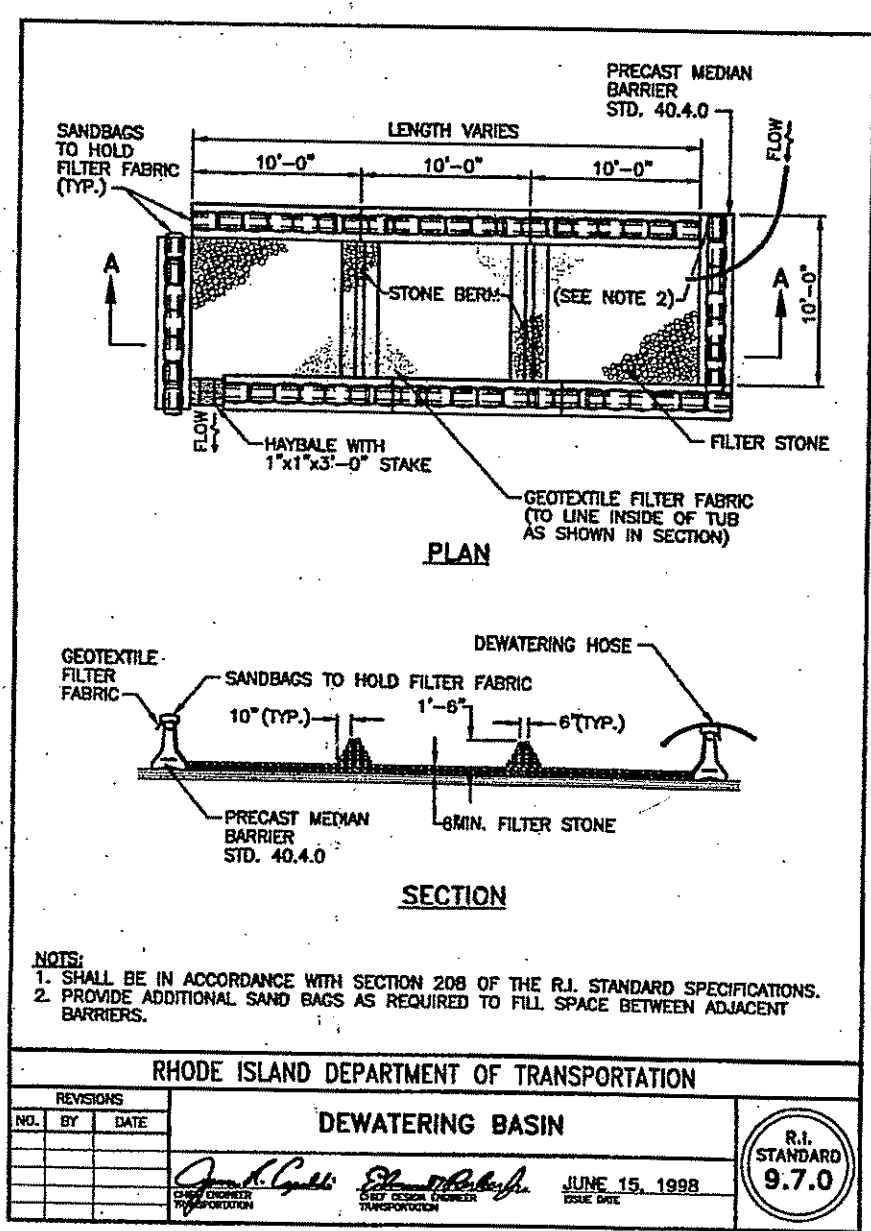
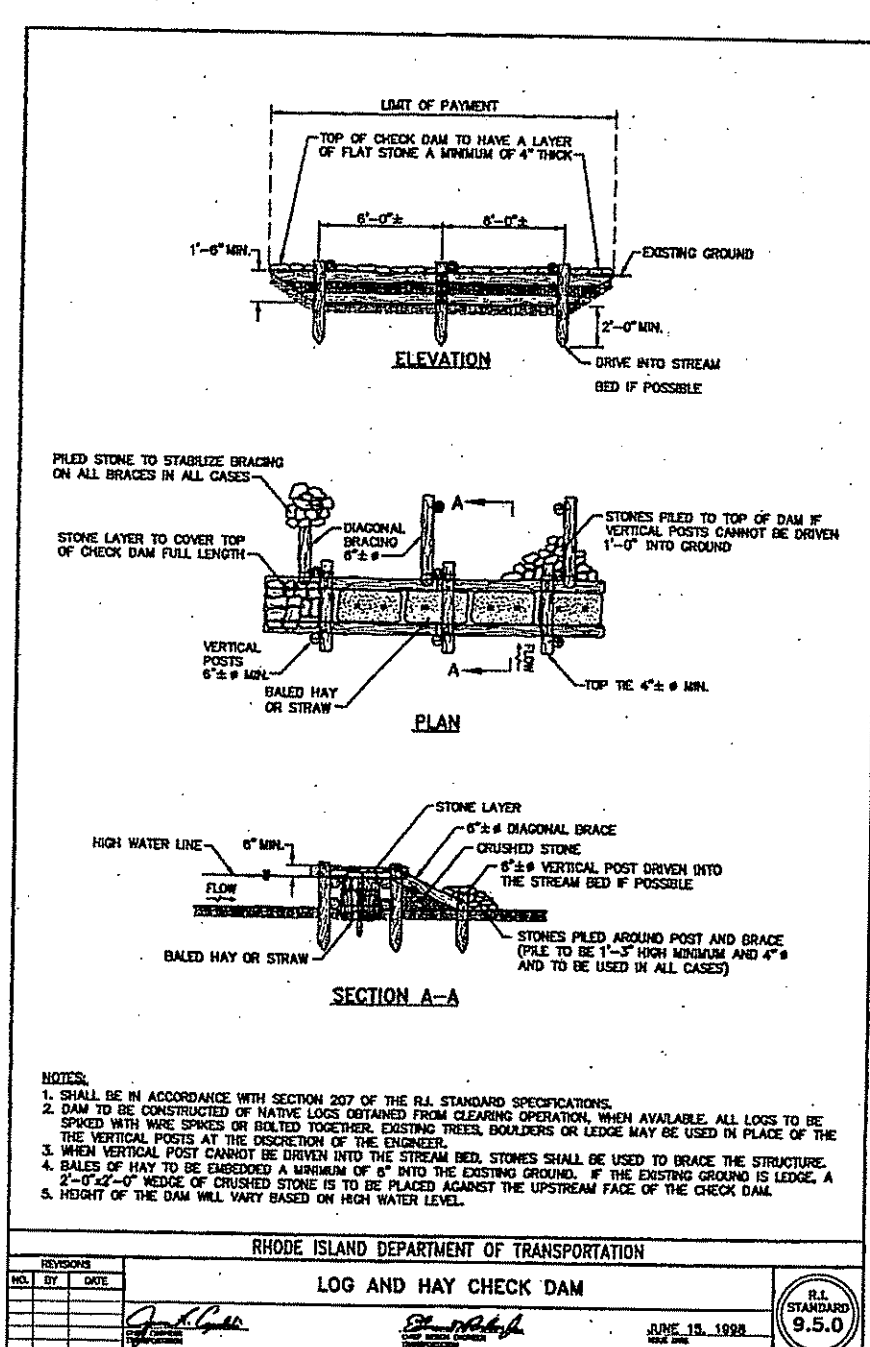
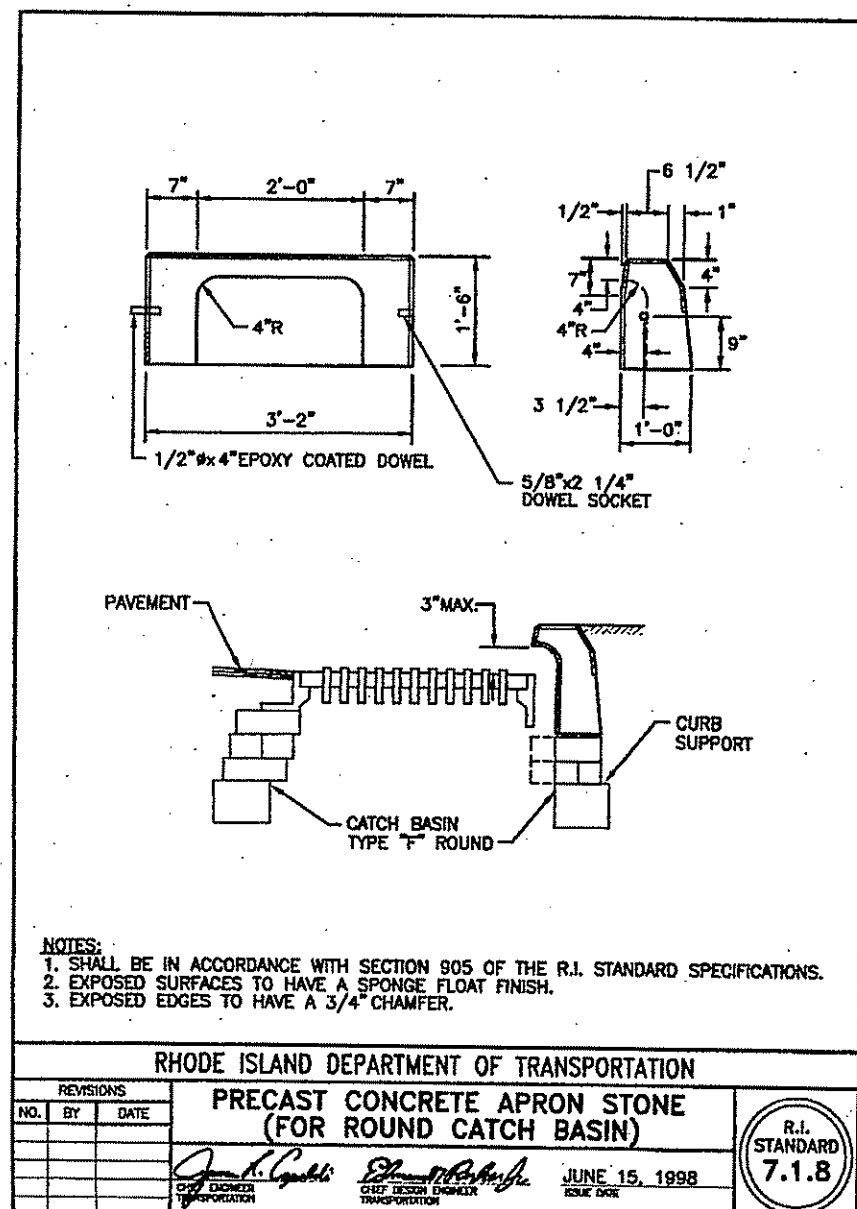
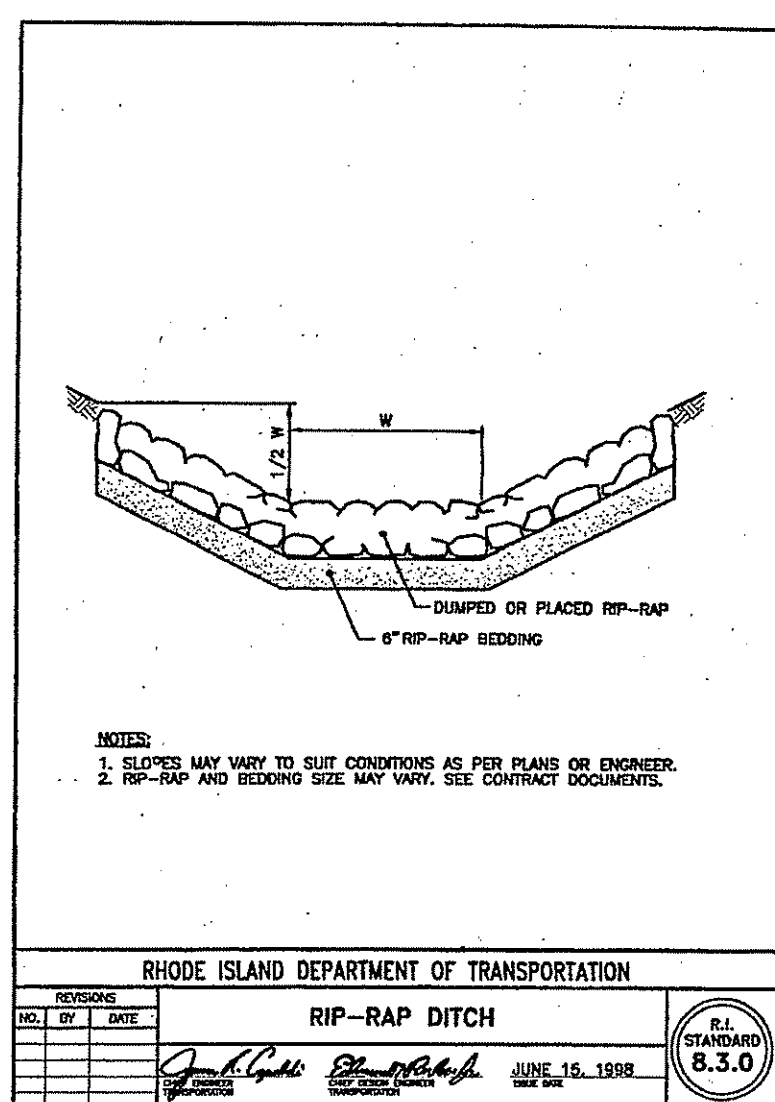
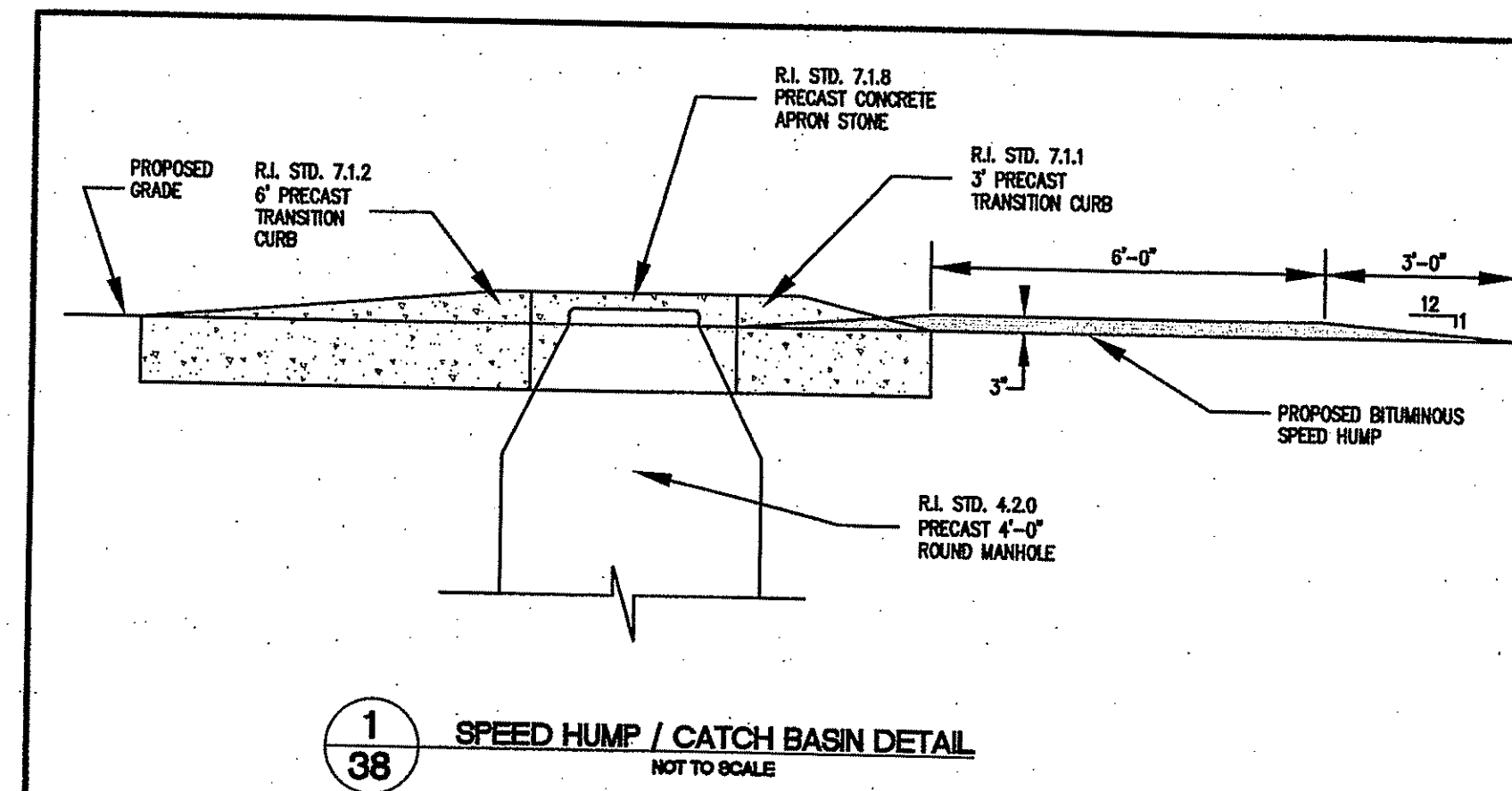
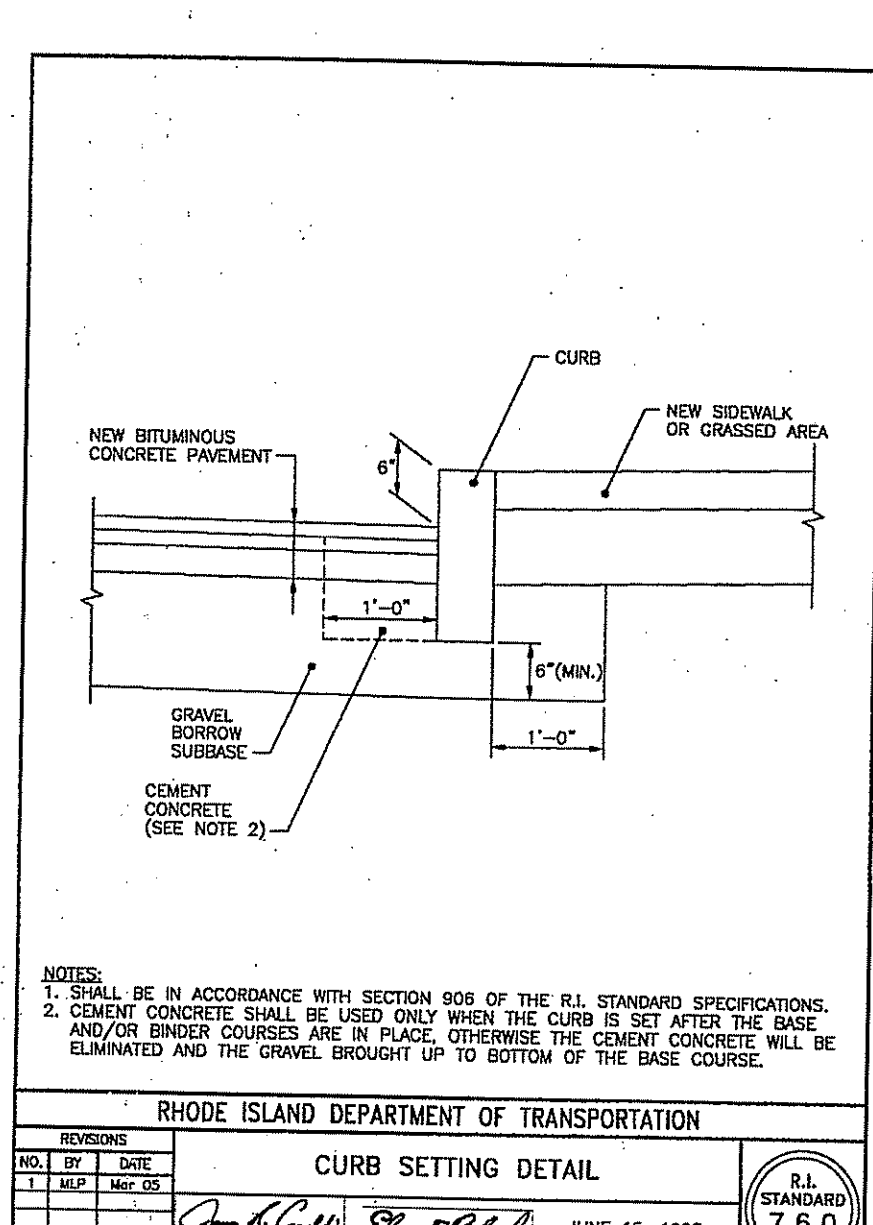
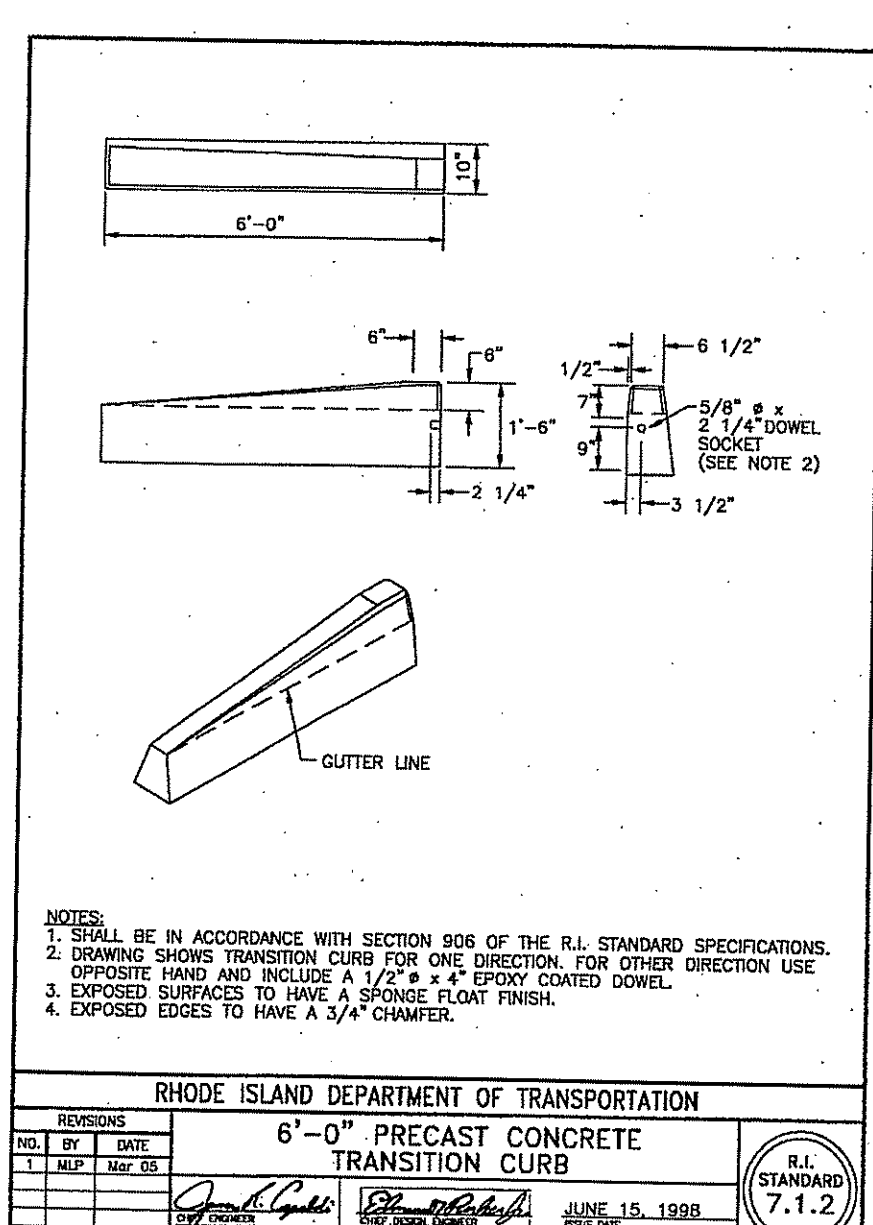
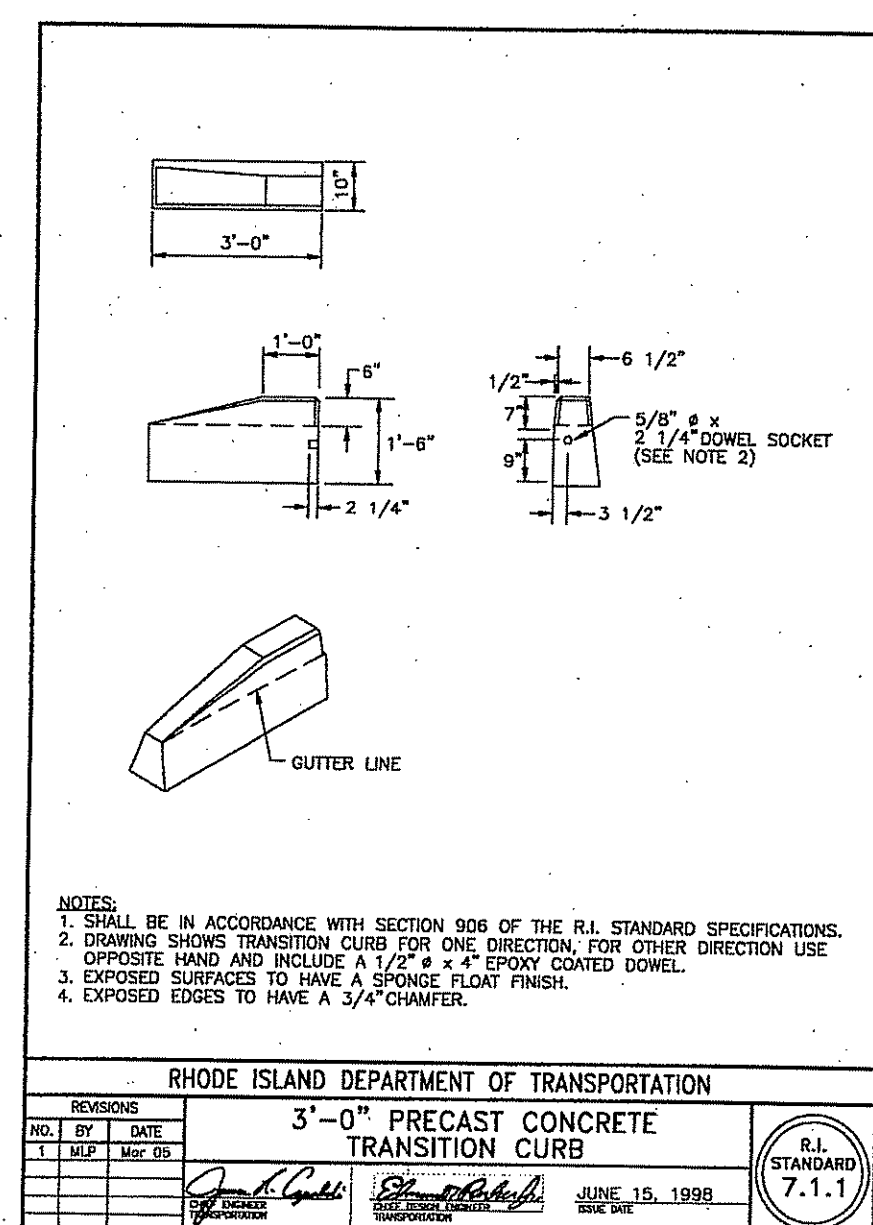
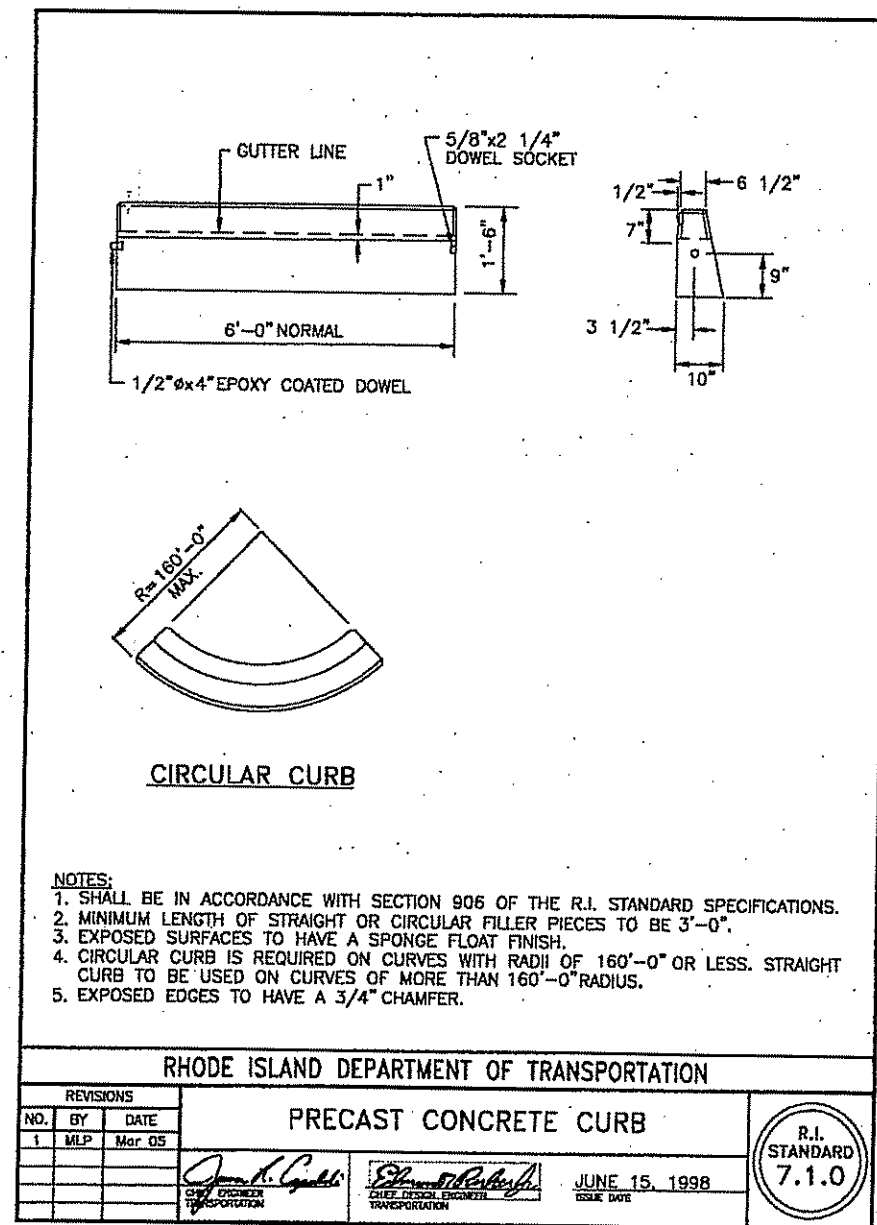
**Aito**

PROJECT NO: 8071530  
DATE: OCTOBER, 2008  
SCALE: AS SHOWN  
DESIGNED BY: COMPILED  
DRAWN BY: C.M.W.  
CHECKED BY: J.P.C.,G.H.G.

TYPICAL DETAILS - 1  
EAST GREENWICH HIGH SCHOOL  
ATHLETIC FIELD IMPROVEMENTS  
AVENGER DRIVE  
RHODE ISLAND  
EAST GREENWICH  
PREPARED FOR  
EAST GREENWICH PUBLIC SCHOOLS

DRAWING NUMBER  
**37**  
SHEET 37 OF 42

RECEIVED  
JUL 10 2009



REVISION

NO. DATE

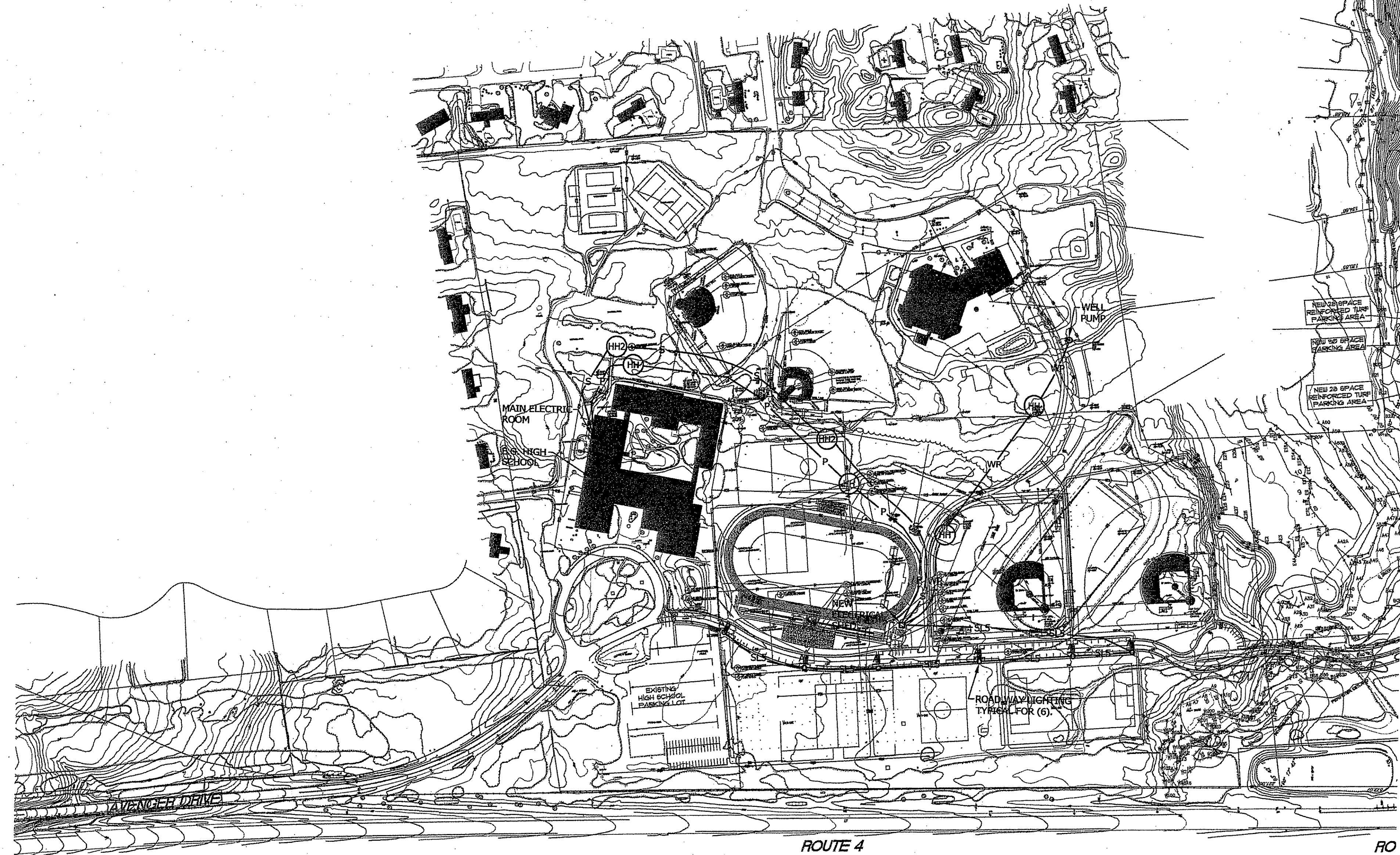
JOHN P. CAITO  
 CIVIL ENGINEERS  
 141 JAMES P. MURPHY HIGHWAY  
 WEST WARWICK, RHODE ISLAND 02893-8288  
 401-615-8600  
 401-615-8604  
 PROFESSIONAL ENGINEER

JOHN P. CAITO  
 CIVIL ENGINEERS  
 141 JAMES P. MURPHY HIGHWAY  
 WEST WARWICK, RHODE ISLAND 02893-8288  
 401-615-8600  
 401-615-8604  
 PROFESSIONAL ENGINEER

PROJECT NO: 8071530  
 DATE: OCTOBER, 2008  
 SCALE: AS SHOWN  
 DESIGNED BY: COMPLED  
 DRAWN BY: CMW  
 CHECKED BY: J.P.C./G.H.G.

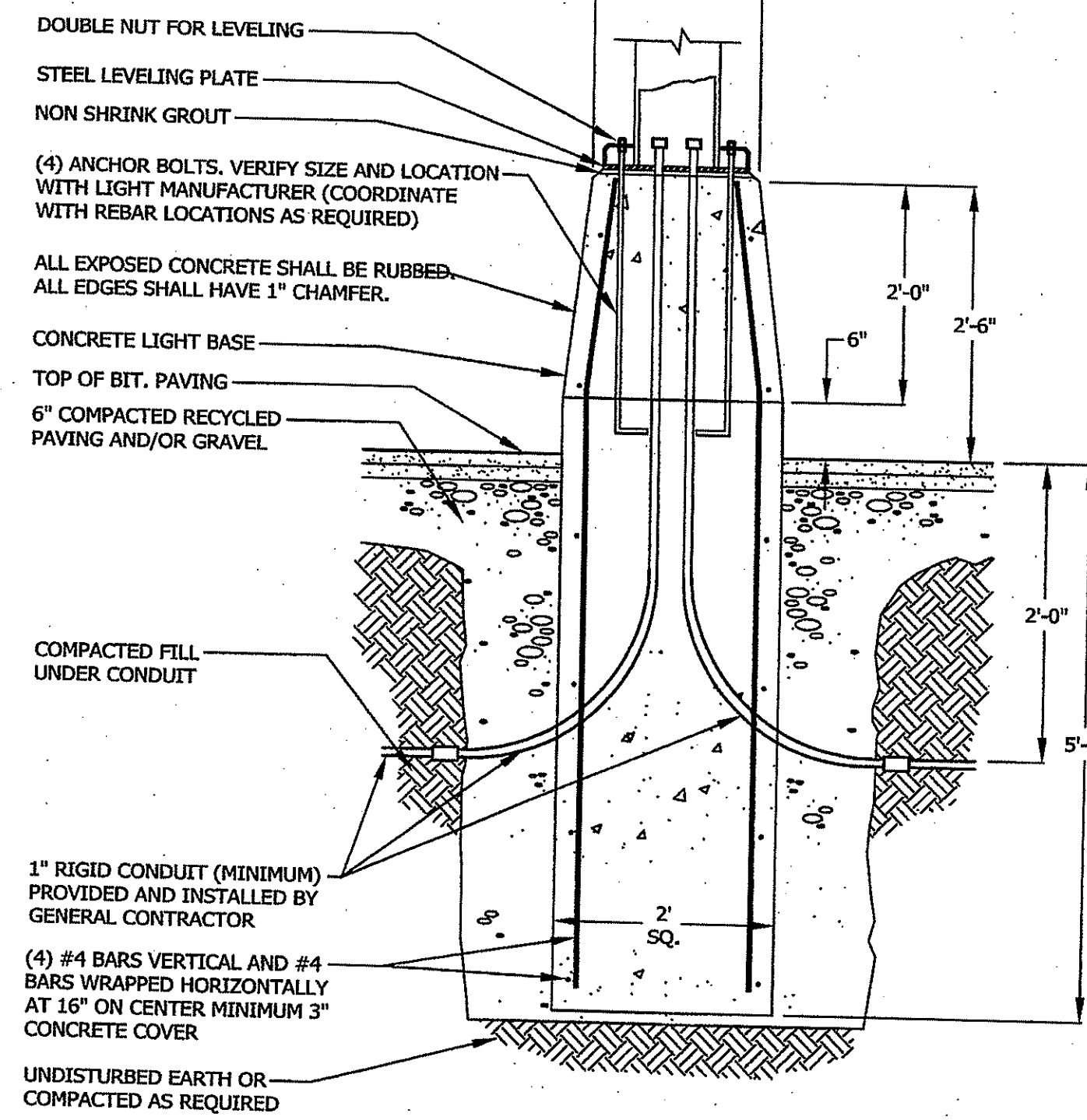
TYPICAL DETAILS - 2  
 EAST GREENWICH HIGH SCHOOL  
 ATHLETIC FIELD IMPROVEMENTS  
 AVENGER DRIVE  
 EAST GREENWICH  
 PREPARED FOR  
 EAST GREENWICH PUBLIC SCHOOLS

DRAWING NUMBER  
**38**  
 SHEET 38 OF 42



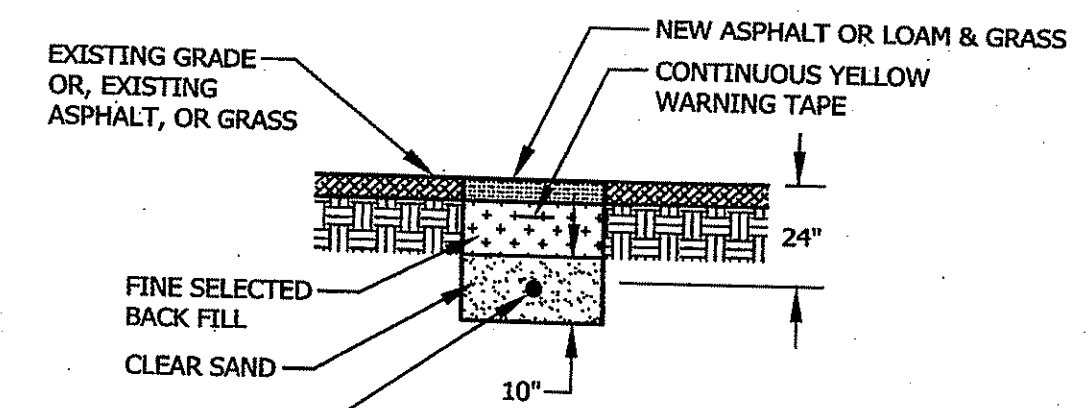
**OVERALL SITE PLAN**

1" = 200'-0"



**ROADWAY LIGHT POLE BASE DETAIL**

NOT TO SCALE



**TRENCH DETAIL**

NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED AUG 21 2009 FILE # 09-0092  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Charles A. Herbert*

**GASKELL ASSOCIATES**  
A DIVISION OF THIELSCH ENG.  
1341 ELMWOOD AVE.  
CRANSTON, RHODE ISLAND 02910  
G.A.S. # 080152

**THE GIFFORD DESIGN GROUP, Inc.**  
LANDSCAPE ARCHITECTURE  
ENVIRONMENTAL PLANNING  
4096 MENDON ROAD, CUMBERLAND, RHODE ISLAND 02864  
PHONE (401) 671-6336 FAX (401) 671-6466

RECEIVED  
JUL 10 2009

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES

NO.	DATE	REVISION

**JAMES R. FINK**  
No. 8130  
REGISTERED PROFESSIONAL ENGINEER  
ELECTRICAL  
10-24-2008

PREPARED BY CIVIL ENGINEERS  
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WEST WARWICK, RHODE ISLAND  
02893-2382  
401-615-8600  
401-615-8606  
fax: 401-615-8606

**AITO CORPORATION**  
LAND PLANNERS

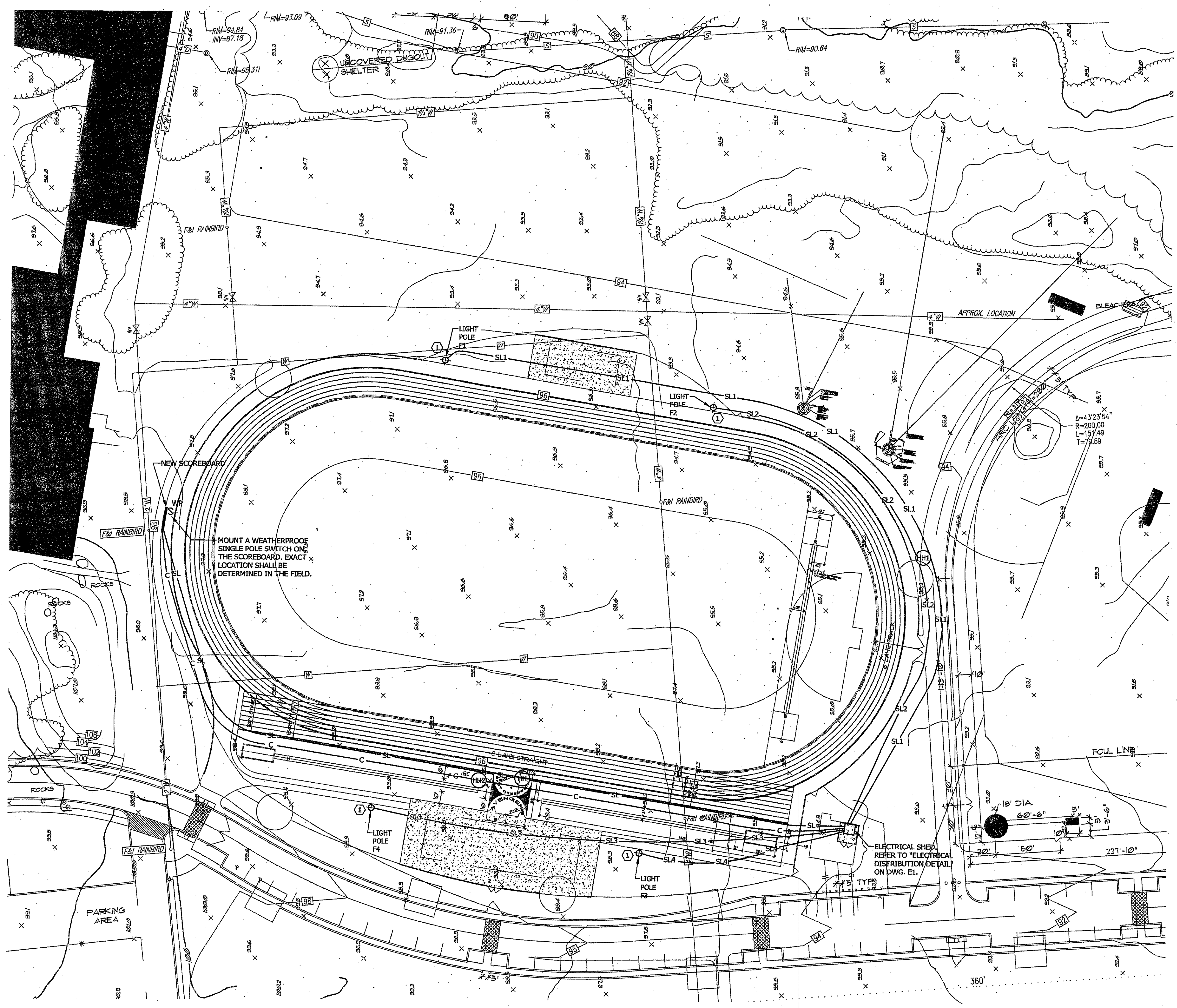
PROJECT NO.: 8071530  
DATE: OCTOBER 2008  
SCALE: 1" = 40'  
DESIGNED BY: K.M.A.  
DRAWN BY: J.J.B.  
CHECKED BY: R.C.B.

OVERALL SITE PLAN  
**EAST GREENWICH HIGH SCHOOL  
ATHLETIC FIELD IMPROVEMENTS  
AVENUE DRIVE**  
PREPARED FOR  
**EAST GREENWICH PUBLIC SCHOOLS**

DRAWING NUMBER

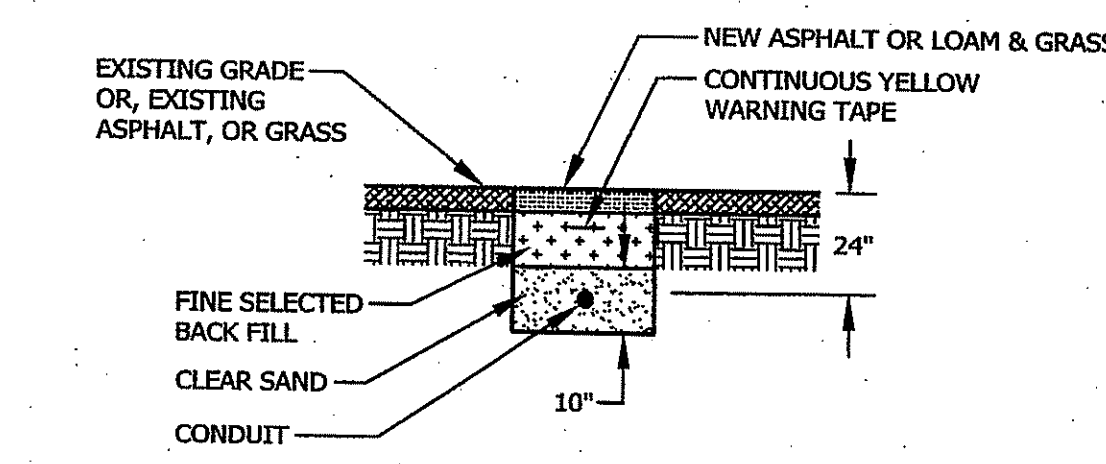
**EO**

SHEET 39 OF 42



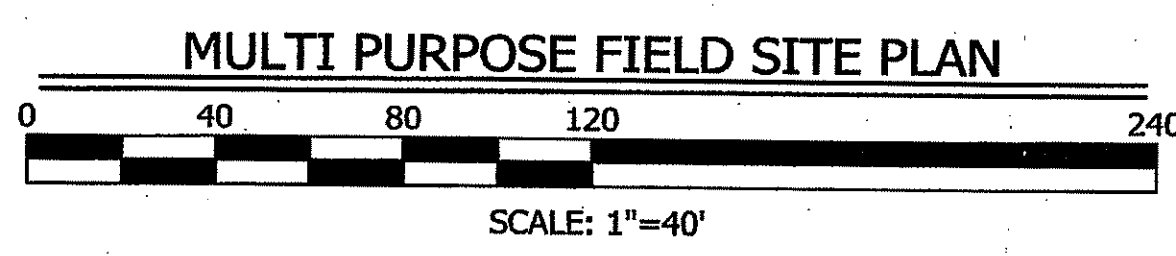
**KEY NOTES**

1 REFER TO "ELECTRICAL DISTRIBUTION DETAIL" ON DWG. E1. FOR WIRING CONNECTIONS TO EACH POLE.



**TRENCH DETAIL**

NOT TO SCALE



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
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 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED AUG 21 2009 FILE # 09-0092  
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*Charles A. Harter*

**THE GIFFORD DESIGN GROUP, Inc.**  
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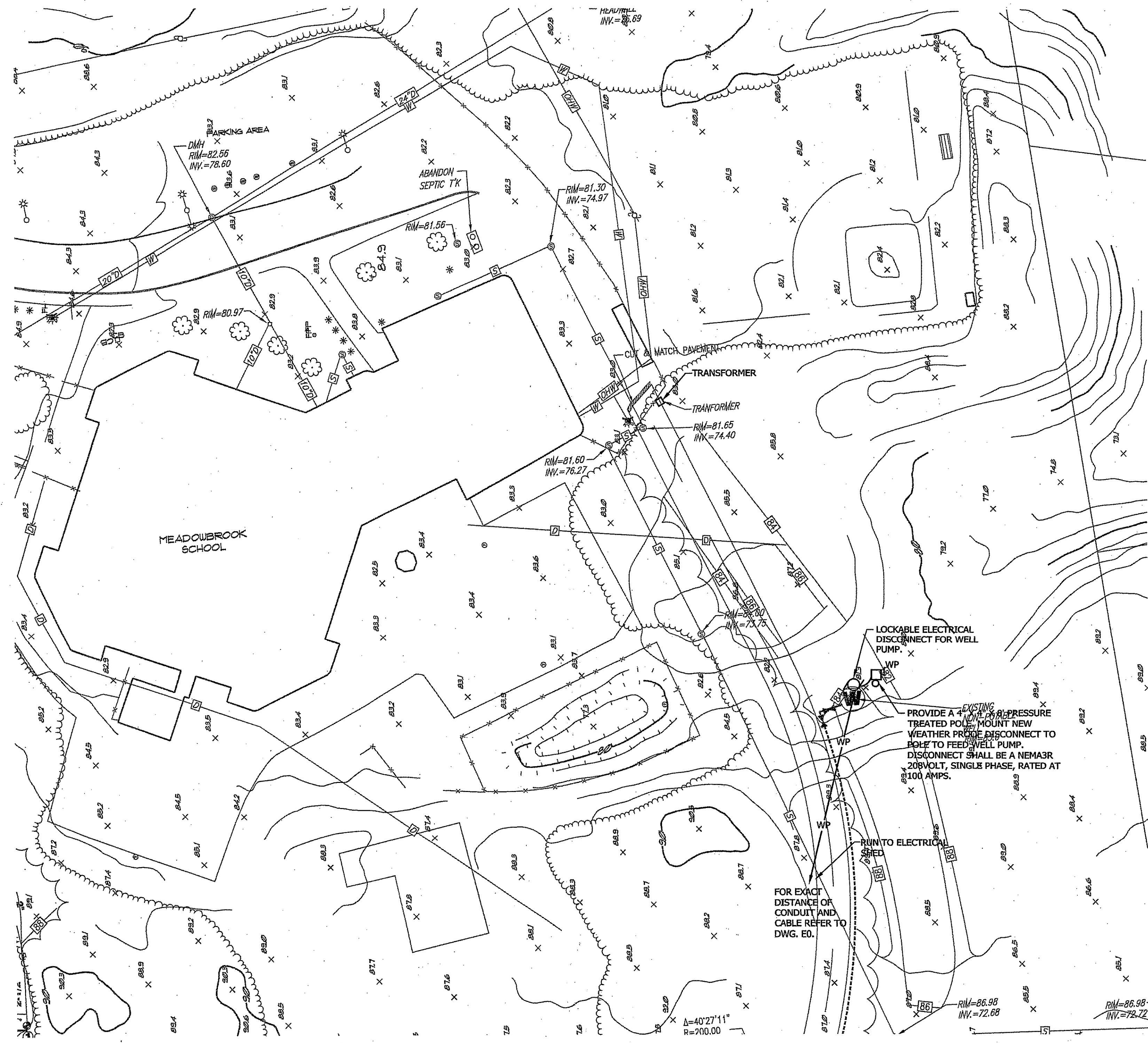
**JAMES R. FINK**  
 No. 8130  
 REGISTERED PROFESSIONAL ENGINEER  
 ELECTRICAL  
 10-24-2008

PREPARED BY CIVIL ENGINEERS  
 141 JAMES P. MURPHY HIGHWAY  
 WEST WARWICK, RHODE ISLAND  
 02893-2382  
 401-615-8600  
 401-615-8606  
**AITO CORPORATION**  
 LAND PLANNERS

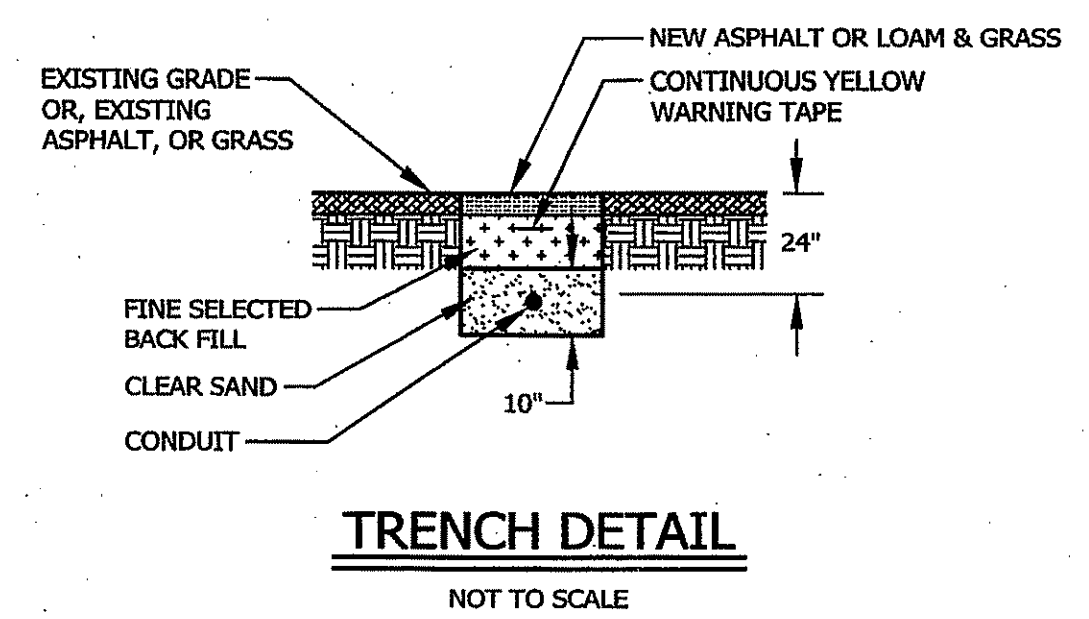
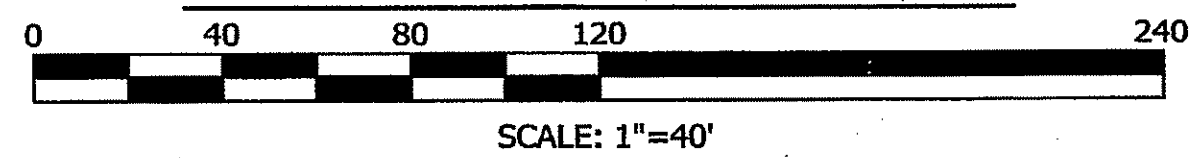
PROJECT NO: 8071530  
 DATE: OCTOBER, 2008  
 SCALE: 1" = 40'  
 DESIGNED BY: K.M.A.  
 DRAWN BY: J.J.B.  
 CHECKED BY: R.C.B.

MULTI PURPOSE FIELD SITE PLAN  
**EAST GREENWICH HIGH SCHOOL  
 ATHLETIC FIELD IMPROVEMENTS**  
 AVENGER DRIVE  
 EAST GREENWICH  
 RHODE ISLAND  
 PREPARED FOR  
**EAST GREENWICH PUBLIC SCHOOLS**

DRAWING NUMBER  
**E0.1**  
 SHEET 40 OF 42



IRRIGATION WELL SITE PLAN



TRENCH DETAIL  
NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED AUG 21 2009 FILE # 04-042  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Charles A. Herbert*

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1341 ELMWOOD AVE.  
CRANSTON, RHODE ISLAND 02910  
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ENVIRONMENTAL PLANNING  
4096 MENDON ROAD, CUMBERLAND, RHODE ISLAND 02864  
PHONE (401) 671-6336 FAX (401) 671-6466

RECEIVED  
JUL 10 2009

NO.	DATE	REVISION

JAMES R. FINK  
No. 8130  
REGISTERED PROFESSIONAL ENGINEER ELECTRICAL  
10-24-2008

PREPARED BY CIVIL ENGINEERS  
141 JAMES P. MURPHY HIGHWAY  
WEST WARWICK, RHODE ISLAND 02893-2382  
401-615-8600  
401-615-8606  
fax: 401-615-8606

**AITO** CORPORATION  
LAND PLANNERS

PROJECT NO: 8071530  
DATE: OCTOBER, 2008  
SCALE: 1" = 40'  
DESIGNED BY: K.M.A.  
DRAWN BY: J.J.B.  
CHECKED BY: R.C.B.

IRRIGATION WELL SITE PLAN  
EAST GREENWICH HIGH SCHOOL  
ATHLETIC FIELD IMPROVEMENTS  
AVENGER DRIVE  
EAST GREENWICH RHODE ISLAND  
PREPARED FOR  
EAST GREENWICH PUBLIC SCHOOLS

DRAWING NUMBER  
E0.2  
SHEET 41 OF 42

PANEL: A										150 A 480Y/277V 3PH 4W 60HZ										
MAIN LUG ONLY					DESCRIPTION					SHUNT TRIP MAIN										
22 000/AIC					GFCI - 5mA TRIP					200% RATED NEUTRAL										
CIRCUITS: 30					GFFE - 30 mA TRIP					ISOLATED GROUND										
BUS RATINGS: 200A					SHUNT TRIP					FEED THRU LOSS										
FLOOR MOUNTED					LOCK ON					100% RATED MAIN BREAKER										
VIA LIGHTING CONTROL PANEL					GROUND FAULT MAIN C.B.															
CKT No.	Load Type	LOAD DESCRIPTION	Note	WIRE SIZE	LOAD KVA	CIRCUIT BREAKER	CKT No.	Load Type	LOAD DESCRIPTION	Note	WIRE SIZE	LOAD KVA	CIRCUIT BREAKER	CKT No.	Load Type	LOAD DESCRIPTION	Note	WIRE SIZE	LOAD KVA	CIRCUIT BREAKER
1	L	MUSCO CONTACTOR POLE F1		6	20.0	1	2	L	MUSCO CONTACTOR POLE F2		6	20.0	1	4	L	MUSCO CONTACTOR POLE F2		6	20.0	1
3	L	MUSCO CONTACTOR POLE F1					6	L	MUSCO CONTACTOR POLE F2					8	L	MUSCO CONTACTOR POLE F4		10	34.0	1
5	L	MUSCO CONTACTOR POLE F1					10	L	MUSCO CONTACTOR POLE F4					14	R	30 KVA TRANSFORMER		6	30.0	1
7	L	MUSCO CONTACTOR POLE F3		6	34.0	1	14	R	30 KVA TRANSFORMER					16	R	30 KVA TRANSFORMER				
9	L	MUSCO CONTACTOR POLE F3					16	R	30 KVA TRANSFORMER					18	R	30 KVA TRANSFORMER				
11	L	MUSCO CONTACTOR POLE F3					20	S	SPARE					22	S	SPARE				
13	L	ROADWAY LIGHTING TIME CLOCK		6	3.0	1	22	S	SPARE					24	S	SPARE				
15	L	ROADWAY LIGHTING TIME CLOCK					24	S	SPARE					26	S	SPARE				
17	L	ROADWAY LIGHTING TIME CLOCK					26	S	SPARE					28	S	SPARE				
19	S	SPARE					28	S	SPARE					30	S	SPARE				
21	S	SPARE					30	S	SPARE											
23	S	SPARE																		
25	S	SPARE																		
27	S	SPARE																		
29	S	SPARE																		
				Connected Load				101.0 KVA				CIRCUIT BREAKER SIZE				200				
				Receptacle Load				30.0 KVA				Noncontinuous				20.0 KVA				
				Lighting Load				71.0 KVA				Continuous				88.8 KVA				
				Mechanical and Power Load				0.0 KVA				Noncontinuous				0.0 KVA				
				TOTAL LOAD				108.8 KVA				CIRCUIT BREAKER COUNT				1 2 3 0 0 0 0 0				
				AMPERAGE:				131 AMP												

PANEL: B										100 A 208Y/120V 3PH 4W 60HZ										
MAIN LUG ONLY					DESCRIPTION					SHUNT TRIP MAIN										
22 000/AIC					GFCI - 5mA TRIP					200% RATED NEUTRAL										
CIRCUITS: 30					GFFE - 30 mA TRIP					ISOLATED GROUND										
BUS RATINGS: 100A					SHUNT TRIP					FEED THRU LOSS										
FLOOR MOUNTED					LOCK ON					100% RATED MAIN BREAKER										
VIA LIGHTING CONTROL PANEL					GROUND FAULT MAIN C.B.															
CKT No.	Load Type	LOAD DESCRIPTION	Note	WIRE SIZE	LOAD KVA	CIRCUIT BREAKER	CKT No.	Load Type	LOAD DESCRIPTION	Note	WIRE SIZE	LOAD KVA	CIRCUIT BREAKER	CKT No.	Load Type	LOAD DESCRIPTION	Note	WIRE SIZE	LOAD KVA	CIRCUIT BREAKER
1	M	WELL PUMP		500	18.0	1	2	R	SHED RECEPTACLE/LIGHT		12	0.7	1	4	R	SCORE BOARD		1	1.2	1
3	M	WELL PUMP					6	S	SPARE					8	S	SPARE				
5	S	SPARE					10	S	SPARE					12	S	SPARE				
7	S	SPARE					14	S	SPARE					16	S	SPARE				
9	S	SPARE					18	S	SPARE					20	S	SPARE				
11	S	SPARE					22	S	SPARE					24	S	SPARE				
13	S	SPARE					26	S	SPARE					28	S	SPARE				
15	S	SPARE					30	S	SPARE											
17	S	SPARE																		
19	S	SPARE																		
21	S	SPARE																		
23	S	SPARE																		
25	S	SPARE																		
27	S	SPARE																		
29	S	SPARE																		
				Connected Load				19.9 KVA				CIRCUIT BREAKER SIZE				100				
				Receptacle Load				1.9 KVA				Noncontinuous				1.9 KVA				
				Lighting Load				0.0 KVA				Continuous				0.0 KVA				
				Mechanical and Power Load				18.0 KVA				Noncontinuous				18.0 KVA				
				TOTAL LOAD				19.9 KVA				CIRCUIT BREAKER COUNT				8 7 0 0 0 0 0 0				
				AMPERAGE:				65 AMP												

**GENERAL NOTES**

- PROVIDE ALL REQUIRED PULL BOXES, AND JUNCTION BOXES.
- COLOR CODE ALL WIRING.
- PROVIDE CONDUIT SLEEVES AS REQUIRED, THROUGH FIRE RATED SEPARATIONS, SEAL AFTER WIRING IS COMPLETE.
- PROVIDE A NYLON PULL CORD IN ALL EMPTY CONDUITS.
- PROVIDE ALL GROUNDING INCLUDING GREEN EQUIPMENT GROUND IN ALL RACEWAYS.
- CIRCUIT NUMBERS INDICATE PANEL AND CIRCUIT BREAKER FOR EQUIPMENT CONNECTIONS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO INSTALL ALL REQUIRED WIRING PER NATIONAL ELECTRIC CODE AND PROJECT SPECIFICATIONS TO PROPERLY ENERGIZE THE ELECTRICAL SYSTEM. ALL WIRING SHALL BE RUN IN A NEAT AND ORDERLY MANNER.
- WHERE THE NUMBER OF CURRENT CARRYING CONDUCTORS IN A RACEWAY OR CABLE EXCEEDS THREE, THE ALLOWABLE AMPACITY SHALL BE REDUCED PER NATIONAL ELECTRIC CODE TABLE BASED ON NO DIVERSITY AND VOLTAGE DROP.
- CONTRACTOR SHALL VISIT THE BUILDING SITE AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS. NO CLAIM FOR EXTRA COMPENSATION SHALL BE ENTERTAINED FOR WORK WHICH A PRELIMINARY EXAMINATION OF THE BUILDING WOULD HAVE REVEALED. THE SUBMISSION OF A BID WILL BE CONSIDERATION AS ACKNOWLEDGMENT ON THE PART OF THE BIDDER OF HIS VISITATION TO THE SITE.
- OBTAIN ALL NECESSARY PERMITS AND CERTIFICATES. PRESENT TO THE ARCHITECT SATISFACTORY PROOF OF FINAL INSPECTION AND APPROVAL BY THE LOCAL INSPECTOR.

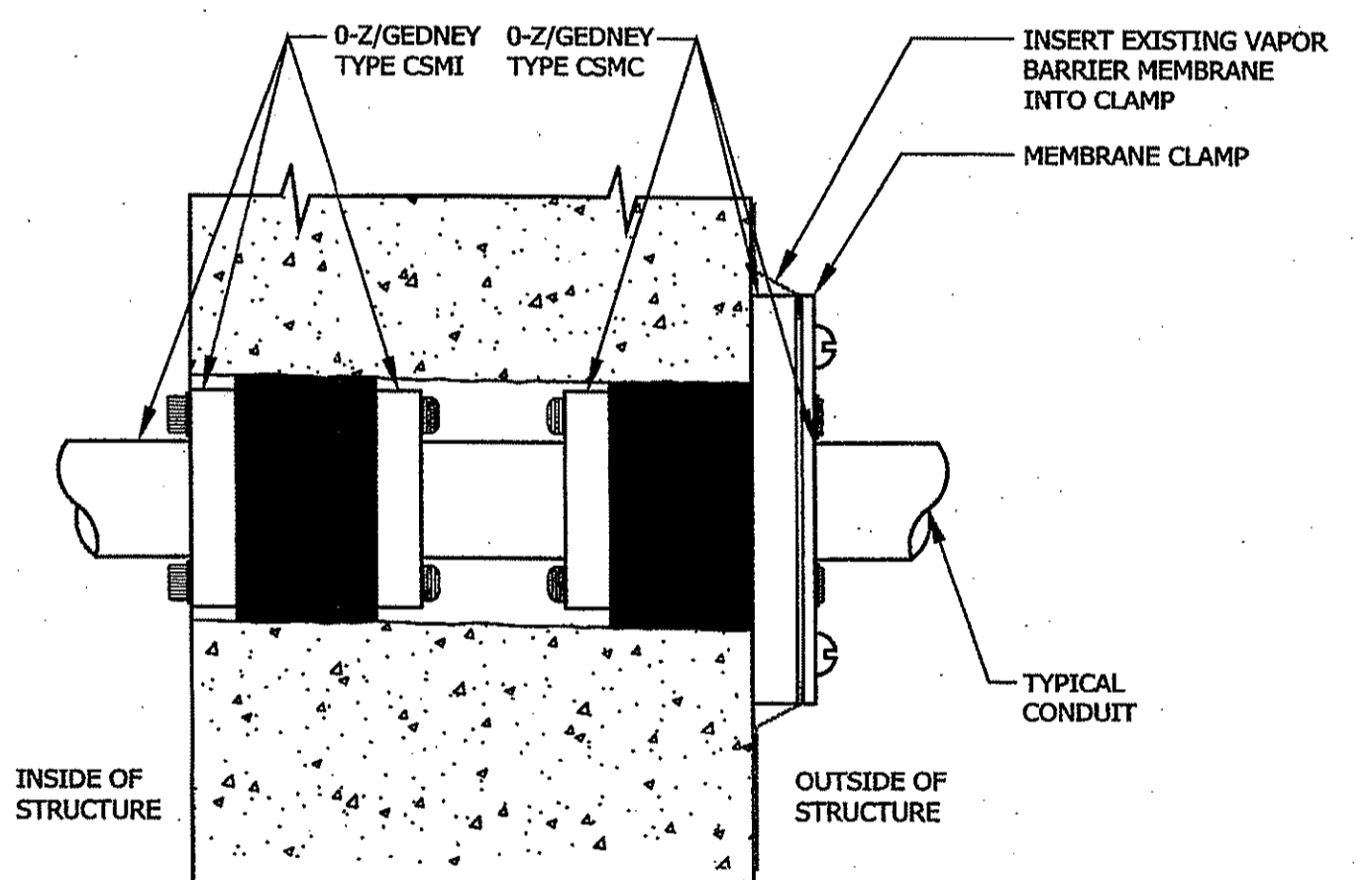
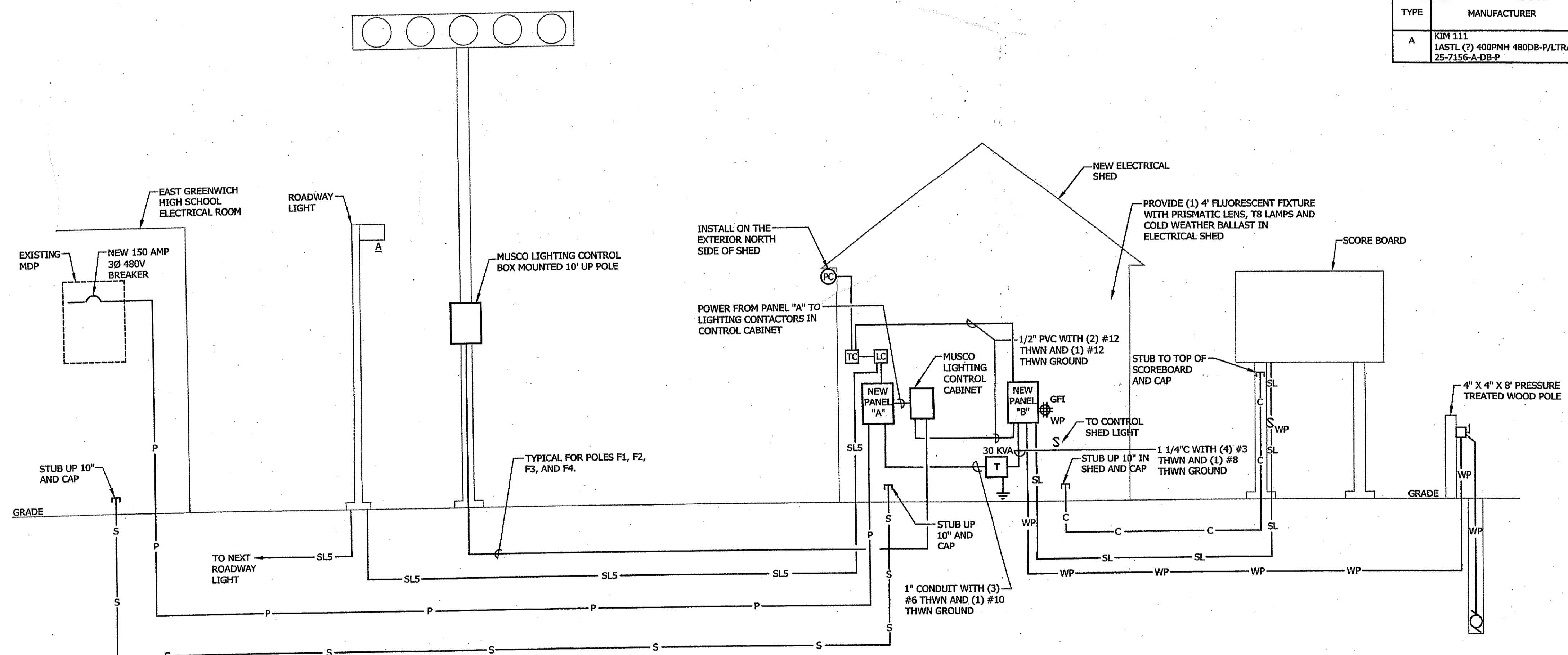
**SYMBOL LIST**

- SL— 1 1/4" PVC WITH (2) #1 THWN AND (1) #10 THWN GROUND
  - SL1— 1" PVC WITH (4) #6 THWN AND (1) #10 THWN GROUND
  - SL2— 1" PVC WITH (4) #6 THWN AND (1) #10 THWN GROUND
  - SL3— 1 1/4" PVC WITH (2) #6 THWN AND (1) #10 THWN GROUND
  - SL4— 1" PVC WITH (4) #10 THWN AND (1) #12 THWN GROUND
  - SL5— 1" PVC WITH (4) #6 THWN AND (1) #10 THWN GROUND
  - C— (1) 1" PVC WITH NYLON PULLSTRING
  - WP— (1) 2" PVC WITH (2) #500 THWN MCM AND (1) #1/0 THWN GROUND
  - S— (1) 4" PVC SPARE CONDUIT WITH NYLON PULLSTRING
  - P— 3 1/2" PVC WITH (4) #250 MCM THWN AND (1) #2 THWN GROUND
- Ⓜ HAND HOLE QUARZITE MODEL #PG118BA12 BOX, #PG118HA00 COVER, LABEL COVER "HIGH VOLTAGE"
  - Ⓜ HAND HOLE QUARZITE MODEL #PG0818BA08 BOX, #PC0818HA00 COVER, LABEL COVER "HIGH VOLTAGE"
  - Ⓜ HAND HOLE QUARZITE MODEL #PC0608BA06 BOX, #PC0608CA00 COVER, LABEL COVER "COMMUNICATIONS"
  - Ⓜ SINGLE POLE SWITCH
  - Ⓜ TRANSFORMER
  - Ⓜ PHOTOCELL
  - Ⓜ ASTRONOMICAL TIME CLOCK
  - Ⓜ 480V, 3 PHASE, LIGHTING CONTACTOR
  - Ⓜ FUSED DISCONNECT SWITCH

**LIGHTING FIXTURE SCHEDULE**

PROVIDE ENERGY SAVING LAMPS AND ELECTRONIC BALLASTS FOR ALL FLUORESCENT FIXTURES, ALL LAMPS TO BE 3500K IN COLOR TEMPERATURE (835)

TYPE	MANUFACTURER	LAMPS		MOUNTING	DESCRIPTION
		WATTAGE	TYPE		
A	KIM 111 LAST (7) 400PHH 480DB-PLTRA 25-7156A-DB-P	1-400	M.H. P.S.	25 FT. POLE	SINGLE LUMINAIRE ON 25 FT. ROUND ALUM. POLE DARK BRONZE FINISH



**PENETRATION DETAIL**

NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
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*Charles A. Harber*

**NOTES:**

- FOR LOCATION OF HAND HOLES REFER TO DWGS ED AND ED.1. HANDHOLES HAVE BEEN LOCATED FOR EASE OF INSTALLATION. EXACT LOCATION SHALL BE DETERMINED IN THE FIELD BY G.C., OWNER AND ENGINEER.
- DUE TO THE VOLTAGE DROP DISTANCES, ALL WIRING SHALL BE HIGH PRESSED WITH REDUCING COMPRESSION FITTINGS SO THAT THEY CAN BE TERMINATED TO THEIR RESPECTIVE BREAKERS AND TERMINALS.

**ELECTRICAL DISTRIBUTION DETAIL**

NOT TO SCALE

**GASKELL ASSOCIATES**  
A DIVISION OF THIELSCH ENG.  
1341 ELMWOOD AVE.  
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G.A.S. # 080152

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RECEIVED  
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NO.	DATE	REVISION

**JAMES R. FINK**  
No. 8130  
REGISTERED PROFESSIONAL ENGINEER  
ELECTRICAL  
10-24-2008

PREPARED BY CIVIL ENGINEERS  
141 JAMES P. MURPHY HIGHWAY  
WARWICK, RHODE ISLAND  
02883-2382  
401-616-8600  
401-615-8606  
fax: 401-615-8606

**AITO CORPORATION**  
LAND PLANNERS

PROJECT NO: 8071530  
DATE: OCTOBER, 2008  
SCALE: 1" = 40'  
DESIGNED BY: K.M.A.  
DRAWN BY: J.J.B.  
CHECKED BY: R.C.B.

SYMBOLS, NOTES AND DETAILS  
EAST GREENWICH HIGH SCHOOL  
ATHLETIC FIELD IMPROVEMENTS  
AVENGER DRIVE  
EAST GREENWICH  
RHODE ISLAND  
PREPARED FOR  
EAST GREENWICH PUBLIC SCHOOLS

DRAWING NUMBER  
**E1**  
SHEET 42 OF 42