

# TUCKER FIELD PHASE TWO

## RESTORATION PROGRAM

2675 MENDON ROAD  
CUMBERLAND, RHODE ISLAND

50 Holden Street · Providence, Rhode Island 02908  
www.rgb.net

*Architecture · Engineering · Interior Design*



THE ROBINSON GREEN BERETTA CORPORATION

CONSULTANTS:

Engineering Design Services, Inc.

CIVIL ENGINEERING

ELECTRICAL ENGINEERING

### LIST OF DRAWINGS

COVER SHEET

#### CIVIL

C100 SURVEY  
C101 SURVEY  
C102 SURVEY  
C103 SURVEY  
C200 SITE PREPARATION PLAN  
C201 SITE PREPARATION PLAN  
C202 SITE PREPARATION PLAN  
C203 SITE PREPARATION PLAN  
C300 LAYOUT PLAN  
C301 LAYOUT PLAN  
C302 LAYOUT PLAN  
C303 LAYOUT PLAN  
C400 SITE & GRADING PLAN  
C401 SITE & GRADING PLAN  
C402 SITE & GRADING PLAN  
C403 SITE & GRADING PLAN  
C500 UTILITY PLAN  
C600 DETAILS  
C601 DETAILS  
C602 DETAILS

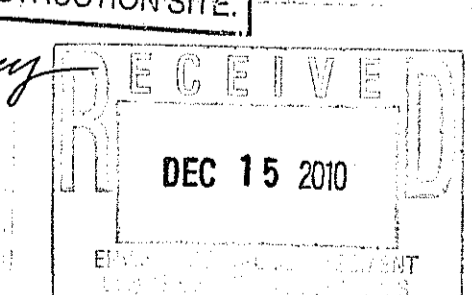
#### ELECTRICAL

E100 ELECTRICAL: SITE PLAN, LEGEND,  
LIGHTING FIXTURE SCHEDULE,  
NOTES & DETAIL  
E200 ELECTRICAL: SPECIFICATIONS &  
DETAILS

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

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED MAR 14 2011 FILE # 10-0237  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

*W. Joseph Conroy*



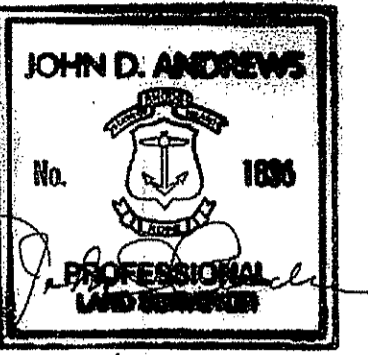
STATUS: ISSUED FOR  
CONSTRUCTION

DATE: 12/10/2010

10-0237

TUCKER FIELD PHASE TWO - RESTORATION PROGRAM - 5952

Certification



Drawn by BSA  
Checked by JDA  
Revised on

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Project

**TUCKER FIELD  
PHASE TWO**

2675 MENDON ROAD  
CUMBERLAND,  
RHODE ISLAND

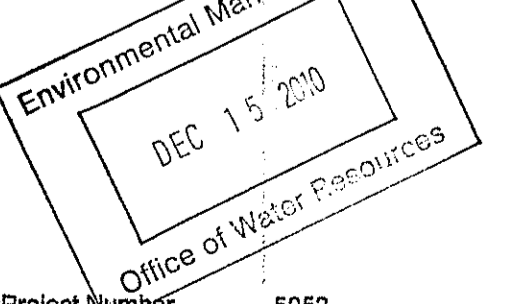
AP 38, LOT 4

Drawing Status

**ISSUED FOR  
CONSTRUCTION**

Issued On 12/10/10

Sheet Contents



Project Number 5952

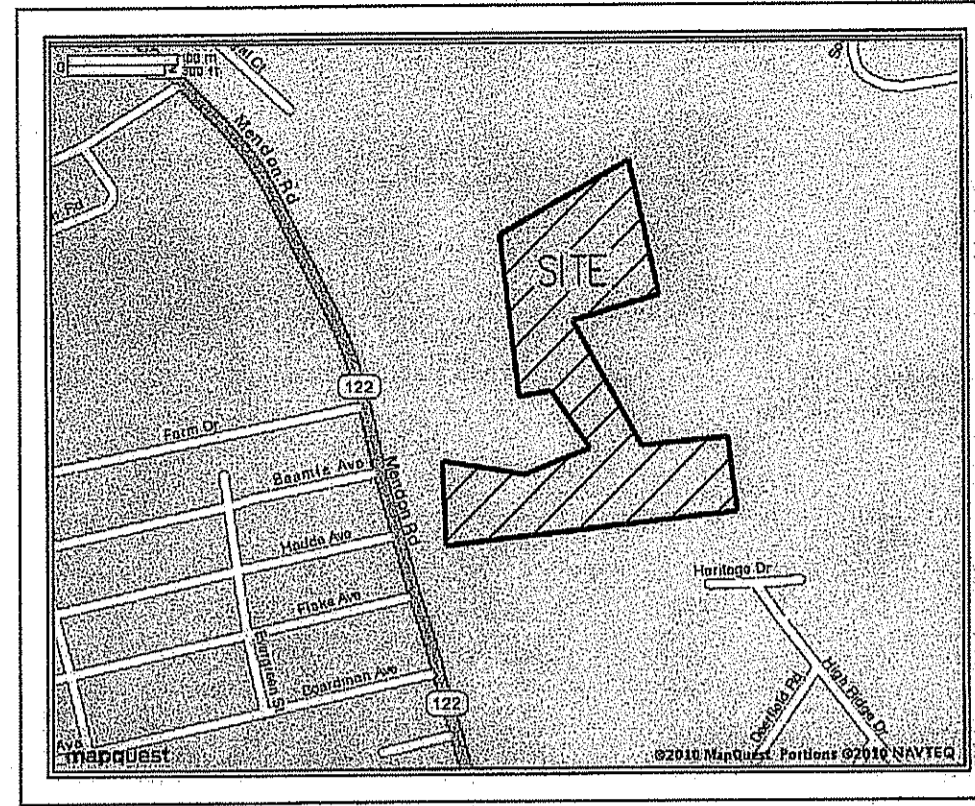
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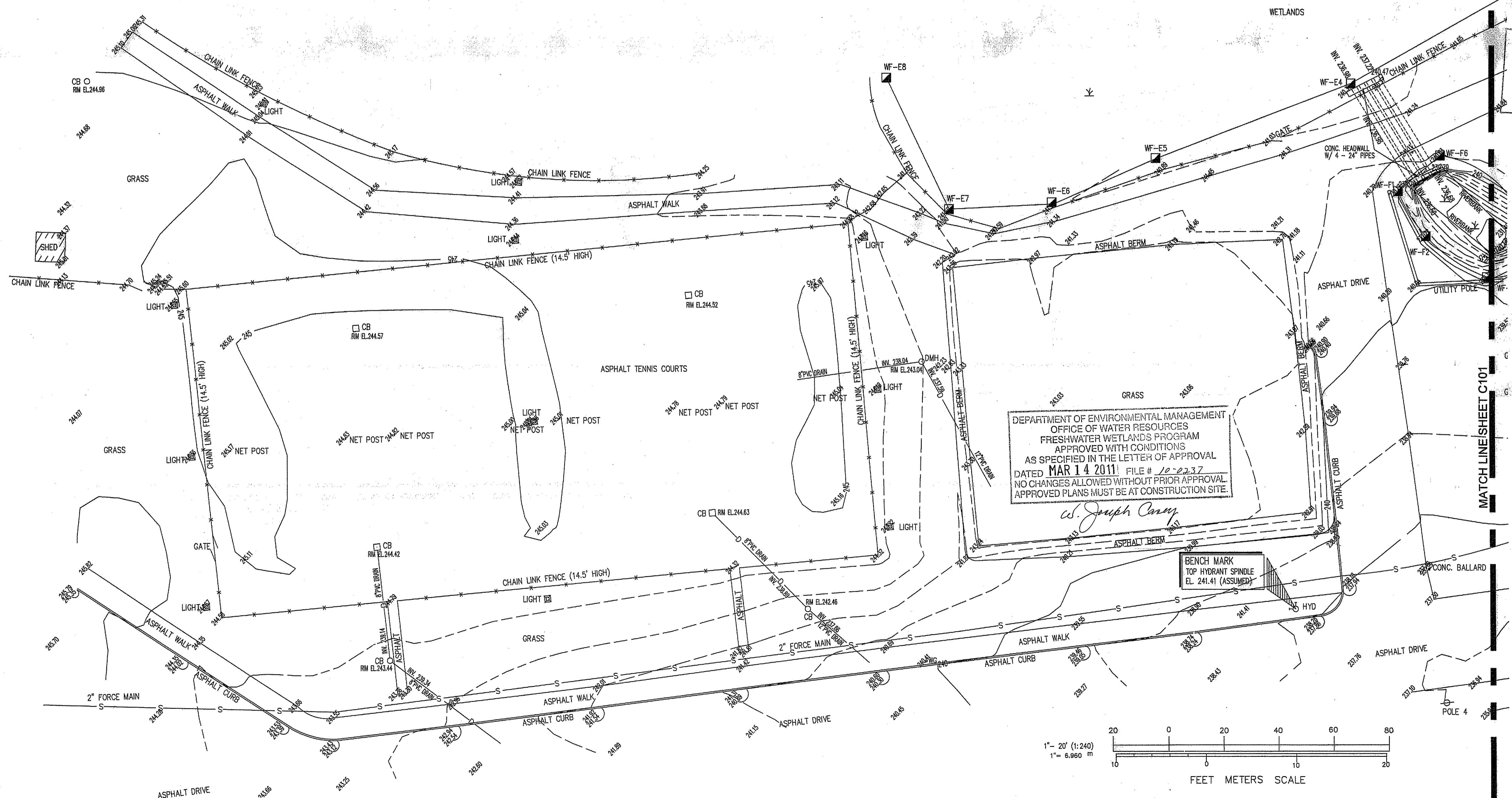
Sheet 1 of 22

**LEGEND**

- CB CATCH BASIN
- ⊕ POLE #1 UTILITY POLE
- ⊕ SIGN STREET SIGN
- SMH SEWER MANHOLE
- DMH DRAIN MANHOLE
- EMH ELECT MANHOLE
- TMH TELEPHONE MANHOLE
- OU— OVERHEAD UTILITIES
- E— ELECTRIC
- W— WATER LINES
- D— STORM DRAIN
- S— SANITARY LINE
- G— GAS LINE
- ⊕ HYD FIRE HYDRANT
- ⊕ LIGHT
- X— FENCE
- WG WATER GATE
- I.P.G. FIRE SHUT OFF
- 10— EXISTING CONTOURS
- SPOT ELEVATION
- POINT OF APPLICATION
- TREE
- PINE TREE



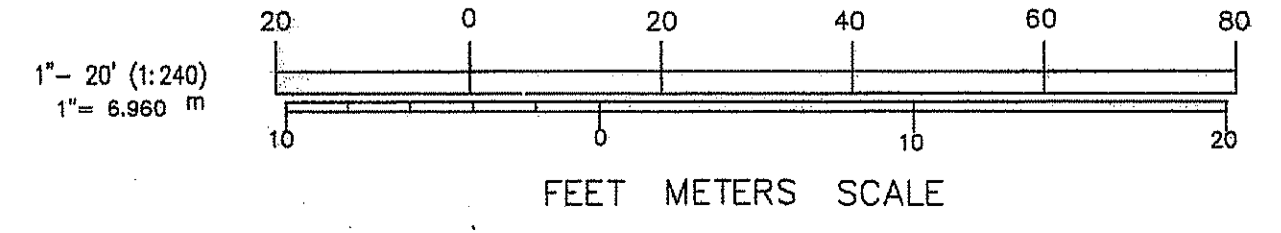
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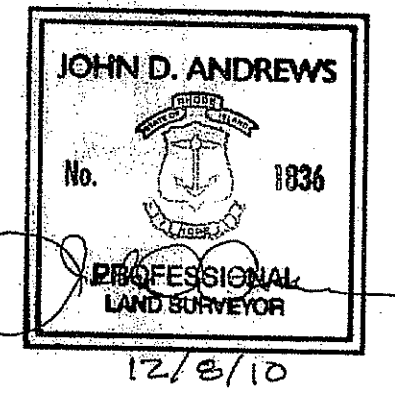
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
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DATED **MAR 14 2011** FILE # **10-2237**  
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*W. Joseph Conroy*

BENCH MARK  
TOP HYDRANT SPINDLE  
EL. 241.41 (ASSUMED)



Certification



Drawn by BSA  
 Checked by JDA  
 Revised on

Project

## TUCKER FIELD PHASE TWO

2675 MENDON ROAD  
 CUMBERLAND,  
 RHODE ISLAND

AP 38, LOT 4

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Sheet Contents

**SURVEY**

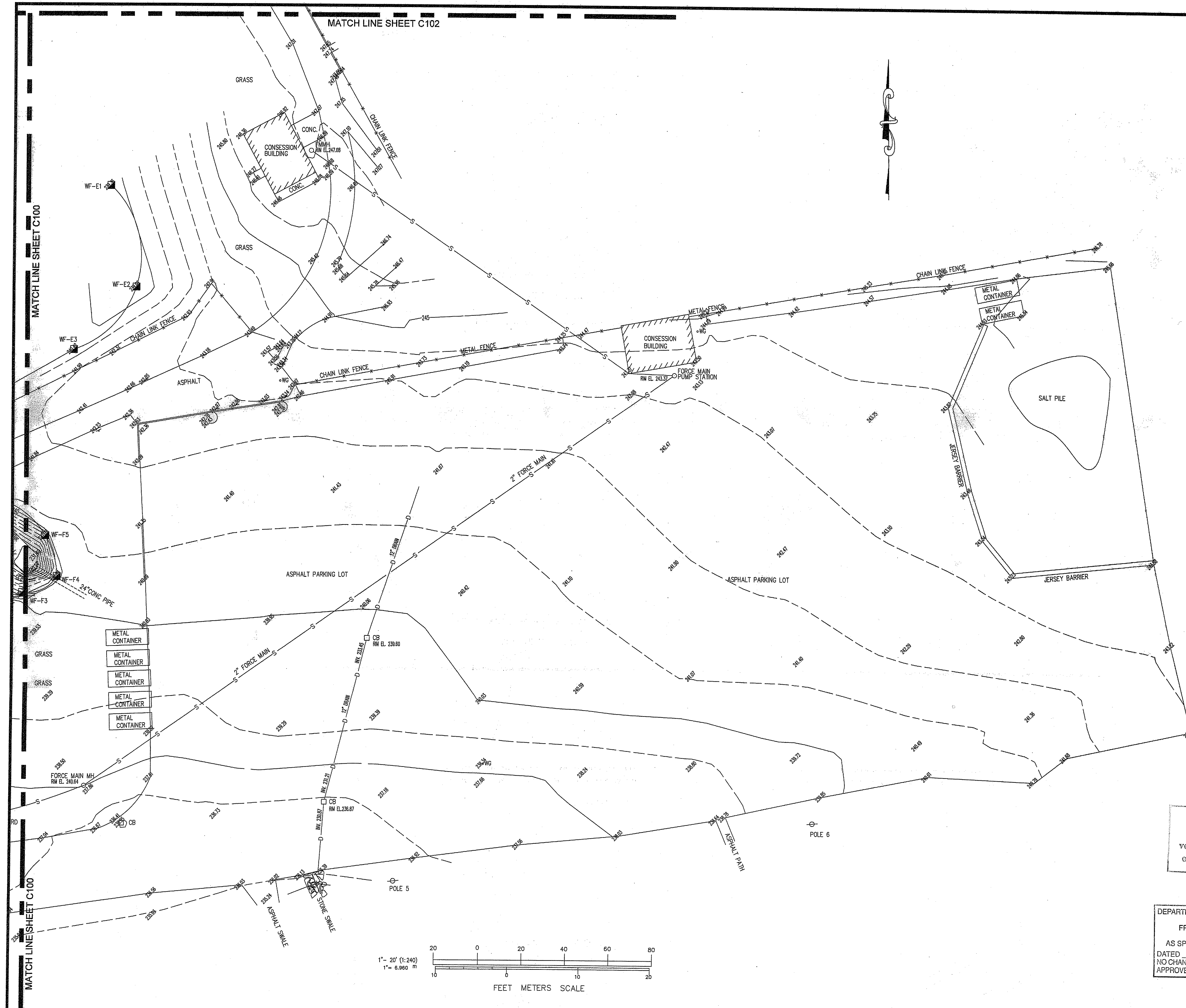
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Drawing No.

Sheet 2 of 22

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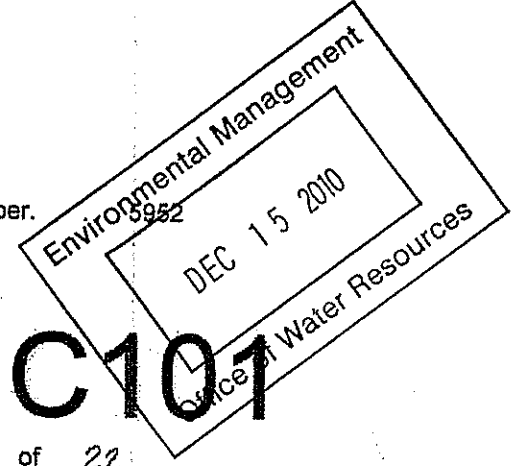
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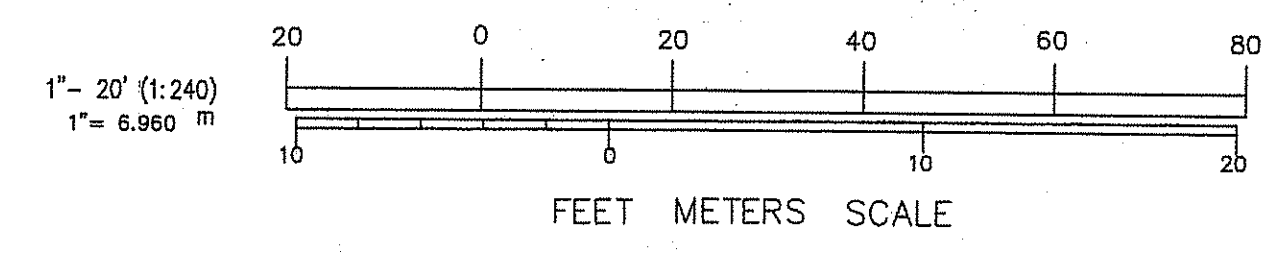
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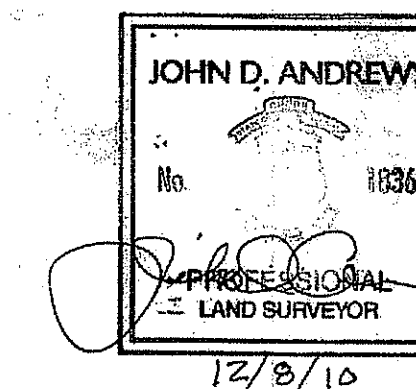
*W. Joseph Conroy*



**C101**



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TUCKER FIELD PHASE TWO

2675 MENDON ROAD  
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RHODE ISLAND

AP 38, LOT 4

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SURVEY

Project Number

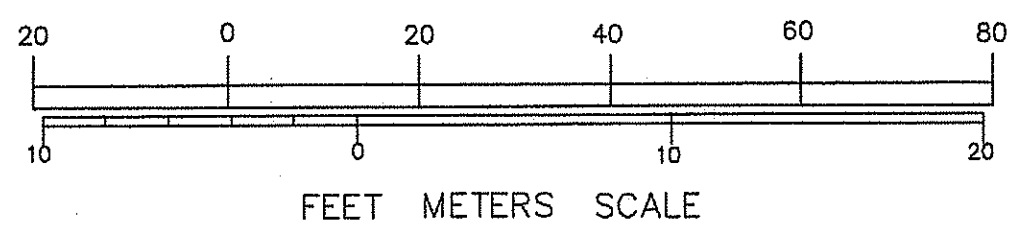
Drawing No.

Sheet 3 of 22

LEGEND

- CB CATCH BASIN
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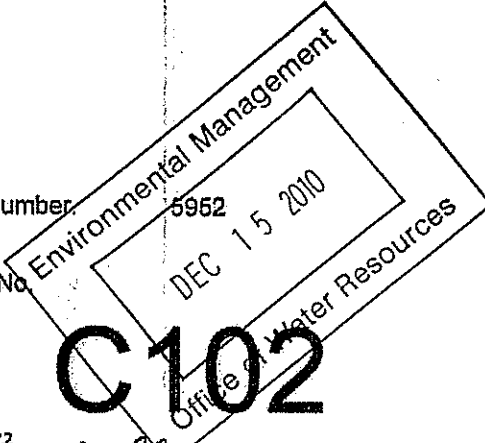
1" = 20' (1:240)  
1" = 6.960 m



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*W. Joseph Conroy*



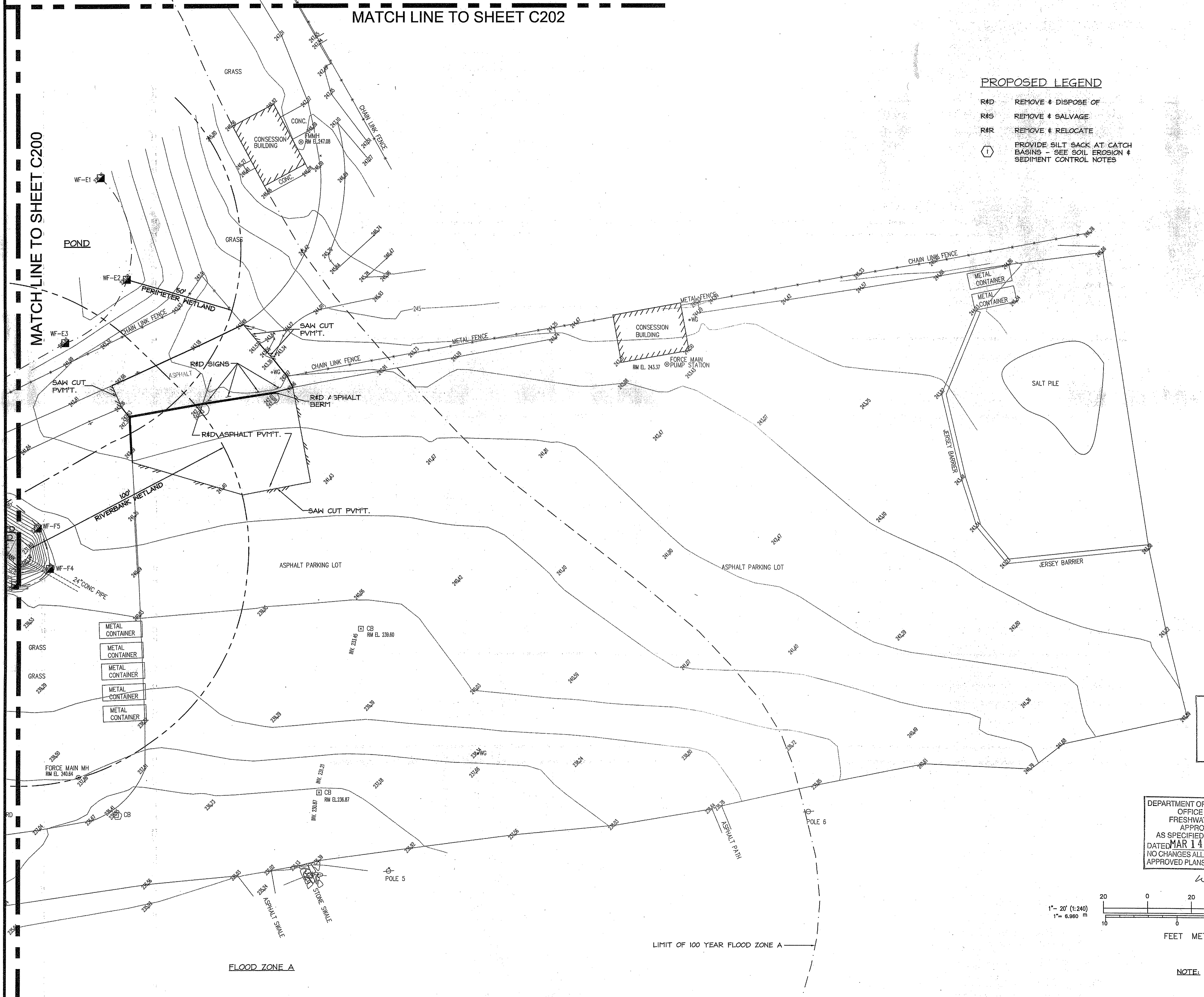
C102





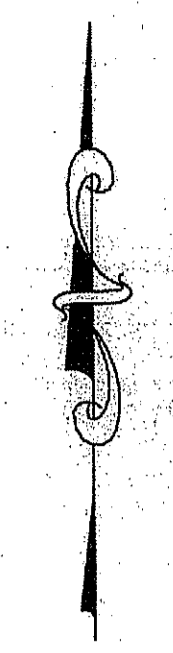
MATCH LINE TO SHEET C202

MATCH LINE TO SHEET C200



PROPOSED LEGEND

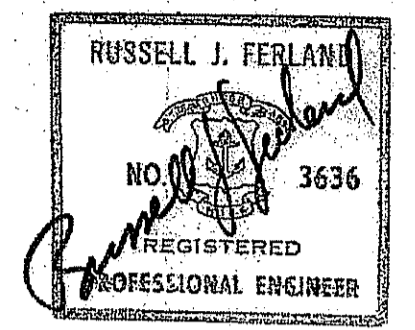
- R&D REMOVE & DISPOSE OF
- R&S REMOVE & SALVAGE
- R&R REMOVE & RELOCATE
- PROVIDE SILT SACK AT CATCH BASINS - SEE SOIL EROSION & SEDIMENT CONTROL NOTES



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12/10/10

Drawn by JD  
Checked by RJF  
Revised on

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Architecture • Engineering • Interior Design  
Project



TUCKER FIELD PHASE TWO

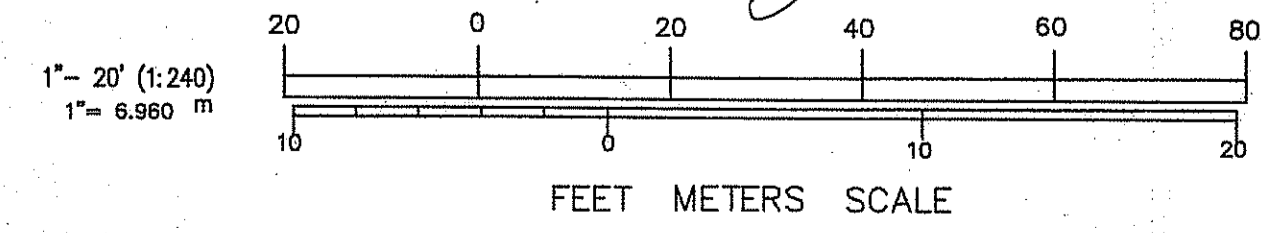
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*W. Joseph Carey*



NOTE: REFER TO SHEET C202 FOR SOIL EROSION & SEDIMENT CONTROL NOTES.

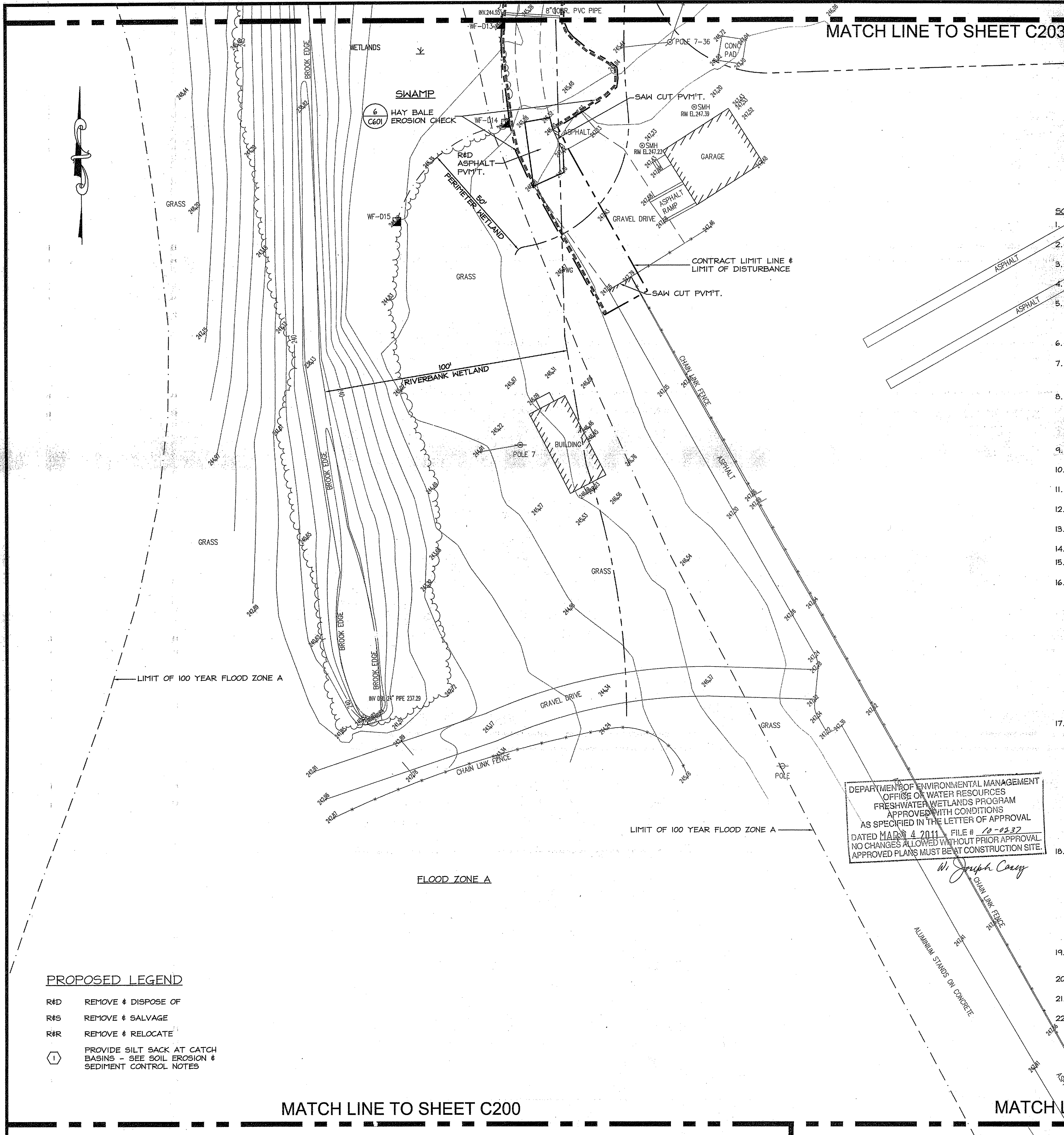
Drawing Status  
ISSUED FOR CONSTRUCTION

Issued On 12/10/2010

Sheet Contents  
SITE PREPARATION PLAN  
SCALE: 1" = 20'

Project Number. Environmental Management  
DEC 15 2010  
Drawing No. Office of Water Resources

C201



MATCH LINE TO SHEET C203

**SOIL EROSION AND SEDIMENT CONTROL NOTES:**

1. THE CONTRACTOR IS RESPONSIBLE FOR THE PREVENTION OF SEDIMENT DISCHARGES TO OFF-SITE PROPERTIES.
2. THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL DEVICES IS THE CONTRACTOR'S RESPONSIBILITY.
3. THE CONTRACTOR SHALL MAINTAIN A STOCKPILE OF 20 HAY BALES AND 40 WOODEN STAKES TO FACILITATE PROMPT REPAIRS.
4. PRIOR TO ANY CONSTRUCTION, THE CONTRACT LIMIT LINES SHALL BE ESTABLISHED IN THE FIELD. BALED HAY EROSION CHECKS SHALL THEN BE PLACED, LOCATIONS AS SHOWN ON THE PLANS.
5. BALED HAY EROSION CHECKS SHALL BE INSPECTED AT THE END OF EACH WORK WEEK AND AFTER ANY RAINFALL OF 1/4 INCH OR MORE DURING A 24-HOUR PERIOD, UNTIL VEGETATIVE COVER HAS BEEN ESTABLISHED ON FINISH SLOPES. MAINTENANCE AND REPAIRS SHALL BE PERFORMED AS REQUIRED TO MAINTAIN PROPER FUNCTIONING. HAY BALES SHALL BE REPLACED WHEN THEY NO LONGER FUNCTION PROPERLY.
6. SEDIMENT BUILD-UP ALONG THE BALED HAY EROSION CHECKS SHALL BE REMOVED AND DISPOSED OF WHEN THE SEDIMENT DEPTH EXCEEDS 3 INCHES.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CLEAN ROADS, CONTROL DUST, AND TAKE ALL NECESSARY MEASURES TO ENSURE THAT THE SITE AND ALL ROADS BE MAINTAINED IN A MUD AND DUST FREE CONDITION AT ALL TIMES THROUGHOUT THE LIFE OF THE PROJECT. DUST CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO WATER AND/OR CRUSHED STONE OR COARSE GRAVEL.
8. ALL PROPOSED CONSTRUCTION ENTRANCES SHALL BE CONSTRUCTED AS SHOWN. ENTRANCES SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO THE SURROUNDING ROADWAYS. THIS WILL REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANUP OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO THE SURROUNDING ROADWAYS MUST BE REMOVED IMMEDIATELY. ADDITIONAL ENTRANCES FOR CONSTRUCTION PHASING SHALL BE INSTALLED AS REQUIRED.
9. SHEEP ADJACENT PAVED STREETS DURING CONSTRUCTION, WHENEVER DEBRIS, GRAVEL, ASPHALT, ETC. IS SPILLED.
10. ALL DRAINAGE STRUCTURES AND RIPRAP SPILLWAYS ARE TO BE CONSTRUCTED AND THE EMBANKMENTS STABILIZED AS SOON AS POSSIBLE AFTER CONSTRUCTION COMMENCES.
11. PROVIDE SILT SACK EROSION CHECKS AT ALL CATCH BASINS WITHIN THE CONTRACT LIMIT LINE DURING THE CONSTRUCTION.
12. IF DESIGNATED EROSION CONTROLS DO NOT CONTAIN EROSION COMPLETELY, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD.
13. STOCKPILES OF TOPSOIL SHALL ALSO HAVE HAY BALE EROSION CHECKS AROUND THE LOWER PERIMETER.
14. ANY STRIPPED OR EXPOSED AREAS THAT ARE NOT IN CONTINUOUS USE SHALL BE MULCHED.
15. STABILIZE SLOPES STEEPER THAN 3:1 (HORIZONTAL TO VERTICAL) WITH SEED, SECURED GEOTEXTILE FABRIC, OR RIP RAP AS REQUIRED TO PREVENT EROSION DURING CONSTRUCTION.
16. TEMPORARY VEGETATIVE COVER SHALL BE APPLIED TO ANY DISTURBED AREAS (INCLUDING SOIL STOCKPILE AREAS) THAT HAVE NOT YET REACHED FINISHED GRADE AS SOON AS POSSIBLE, BUT NOT MORE THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY CEASED UNLESS THE ACTIVITY IS TO RESUME WITHIN TWENTY ONE (21) DAYS. THE RECOMMENDED TEMPORARY SEEDING DATES ARE MARCH 1 TO JUNE 15 AND AUGUST 15 TO SEPTEMBER 30.

THIS TEMPORARY VEGETATIVE COVER SHALL CONSIST OF 60% ANNUAL OR PERENNIAL RYE GRASS AND 40% OF MILLET OR SUDANGRASS OR 100% OF WINTER RYE. ANNUAL OR PERENNIAL RYE GRASS SHALL BE PLANTED AT A RATE OF 15 LBS./1,000 SF. WINTER RYE SHALL BE PLANTED AT A RATE OF 2.5 LBS./1,000 SF, AND MILLET OR SUDANGRASS SHALL BE PLANTED AT A RATE OF 1.0 LBS./1,000 SF.

LIMESTONE AND FERTILIZER SHALL BE APPLIED ACCORDING TO SOIL TEST RECOMMENDATIONS OFFERED BY URI SOIL TESTING LABORATORY. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER (10-10-10) MAY BE APPLIED AT A RATE OF 7.5 LBS./1,000 SF. APPLY LIMESTONE, EQUAL TO 50% CALCIUM PLUS MAGNESIUM OXIDE, AS FOLLOWS: 195 LBS./1,000 SF FOR CLAY, CLAY LOAM AND HIGH ORGANIC SOIL; 90 LBS./1,000 SF FOR SANDY LOAM, LOAM, OR SILT LOAM; AND 45 LBS./1,000 SF FOR LOAMY SAND OR COARSE SAND. TEMPORARY VEGETATIVE COVER SHALL BE INSTALLED AS OUTLINED IN THE RI SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.

17. PERMANENT VEGETATIVE COVER SHALL BE APPLIED TO ALL DISTURBED AREAS THAT HAVE REACHED FINISHED GRADE AS SOON AS POSSIBLE, BUT NOT MORE THAN FOURTEEN (14) DAYS AFTER CONSTRUCTION ACTIVITY IN THAT AREA HAS PERMANENTLY CEASED. THE RECOMMENDED PERMANENT SEEDING DATES ARE APRIL 1 TO JUNE 15 AND AUGUST 15 TO SEPTEMBER 30.

PERMANENT VEGETATIVE COVER OUTSIDE IMPERVIOUS OR LANDSCAPED AREAS SHALL RECEIVE THE FOLLOWING SEED MIXTURE (URI NUMBER SEED) 2 1/4 IN SEED)

SEED	APPLICATION RATE
40% RED FESCUE	0.90 LBS./1,000 SF.
40% KENTUCKY BLUEGRASS	0.90 LBS./1,000 SF.
20% PERENNIAL RYE GRASS	0.45 LBS./1,000 SF.

LIMESTONE AND FERTILIZER SHALL BE APPLIED ACCORDING TO SOIL TEST RECOMMENDATIONS OFFERED BY URI SOIL TESTING LABORATORY. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER (10-20-20) MAY BE APPLIED AT A RATE OF 11.5 LBS./1,000 SF. APPLY LIMESTONE, EQUAL TO 50% CALCIUM PLUS MAGNESIUM OXIDE, AS FOLLOWS: 180 LBS./1,000 SF FOR CLAY, CLAY LOAM AND HIGH ORGANIC SOIL; 135 LBS./1,000 SF FOR SANDY LOAM, LOAM, OR SILT LOAM; AND 60 LBS./1,000 SF FOR LOAMY SAND OR SAND.

18. AREAS THAT HAVE BEEN TEMPORARILY OR PERMANENTLY SEEDED SHOULD BE MULCHED IMMEDIATELY FOLLOWING SEEDING IN ADDITION TO AREAS THAT CANNOT BE SEEDED WITHIN THE RECOMMENDED SEEDING DATES AND ANY SOIL STOCKPILE AREAS. TEMPORARY MULCHING SHOULD BE PERFORMED AS SOON AS POSSIBLE, BUT NOT MORE THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY CEASED UNLESS THE ACTIVITY IS TO RESUME WITHIN TWENTY ONE (21) DAYS.

STRAW OR HAY MULCH, WOOD FIBER MULCH, AND HYDROMULCH ARE RECOMMENDED. STRAW OR HAY MULCH SHOULD BE APPLIED AT A RATE OF 2 TONS PER ACRE. WOOD FIBER MULCH SHOULD BE APPLIED AT A RATE OF 500 TO 2,000 LBS./ACRE, OR HYDROMULCH APPLIED AT A RATE OF 1,500 LBS./ACRE. WOOD FIBER MULCH SHOULD NOT BE USED ALONE IN THE WINTER OR DURING HOT, DRY WEATHER. STRAW OR HAY MULCH MUST BE ANCHORED IMMEDIATELY AFTER SPREADING TO PREVENT WIND BLOWING. MULCH ANCHORING SHOULD ALSO BE USED ON SLOPES GREATER THAN 3% AND CONCENTRATED FLOW AREAS SUCH AS DIVERSION AND WATERWAY CHANNELS.

19. IF SEEDING CAN NOT BE COMPLETED IMMEDIATELY OR WITHIN THE RECOMMENDED SEEDING DATES, USE THE TEMPORARY MULCHING MEASURE TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.

20. CLEAN OUT CATCH BASINS, DRAIN MANHOLES AND WATER QUALITY STRUCTURES WITHIN CONTRACT LIMITS AFTER COMPLETION OF CONSTRUCTION.

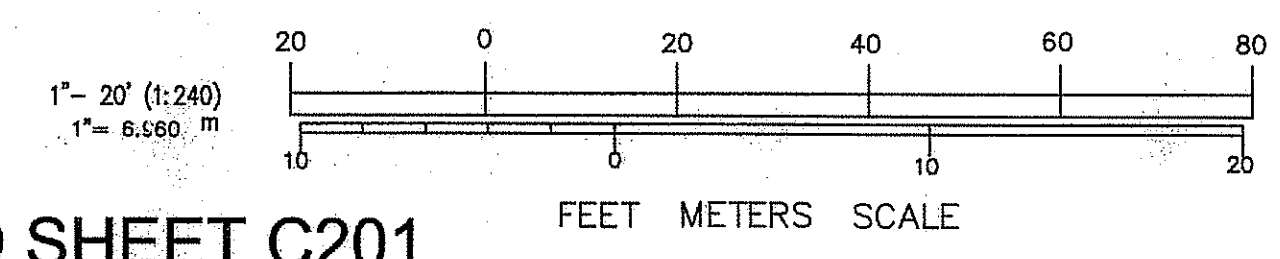
21. REMOVE AND DISPOSE OF ALL EROSION AND SEDIMENT CONTROLS ONLY AFTER PERMANENT VEGETATIVE COVER IS ESTABLISHED AND ACCEPTED BY THE OWNER AND THE ENGINEER.

22. ALL AREAS DISTURBED BY CONSTRUCTION AND NOT INDICATED TO RECEIVE ANY OTHER FORM OF SURFACE TREATMENT SHALL BE LOAMED AND SEEDED.

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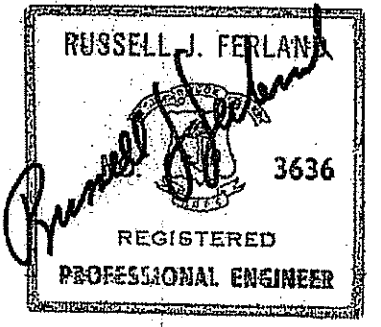
- PROPOSED LEGEND**
- R&D REMOVE & DISPOSE OF
  - R&S REMOVE & SALVAGE
  - R&R REMOVE & RELOCATE
  - 1 PROVIDE SILT SACK AT CATCH BASINS - SEE SOIL EROSION & SEDIMENT CONTROL NOTES



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**ISSUED FOR CONSTRUCTION**

**SITE PREPARATION PLAN**

SCALE: 1" = 20'

Project Number. Environmental Management  
DEC 15 2010  
Drawing No. Office of Water Resources

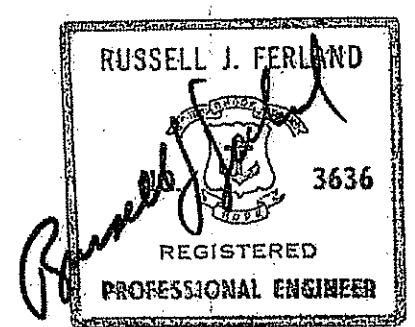
**C202**

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Project

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Drawing Status

**ISSUED FOR CONSTRUCTION**

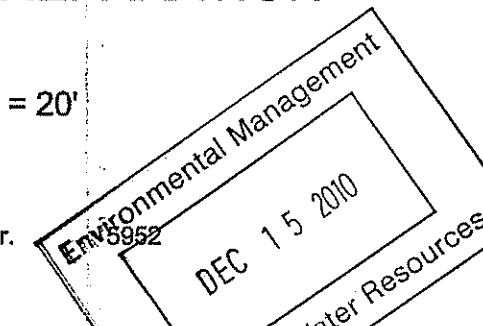
Issued On 12/10/2010

Sheet Contents

**SITE PREPARATION PLAN**  
SCALE: 1" = 20'

Project Number

Drawing No.

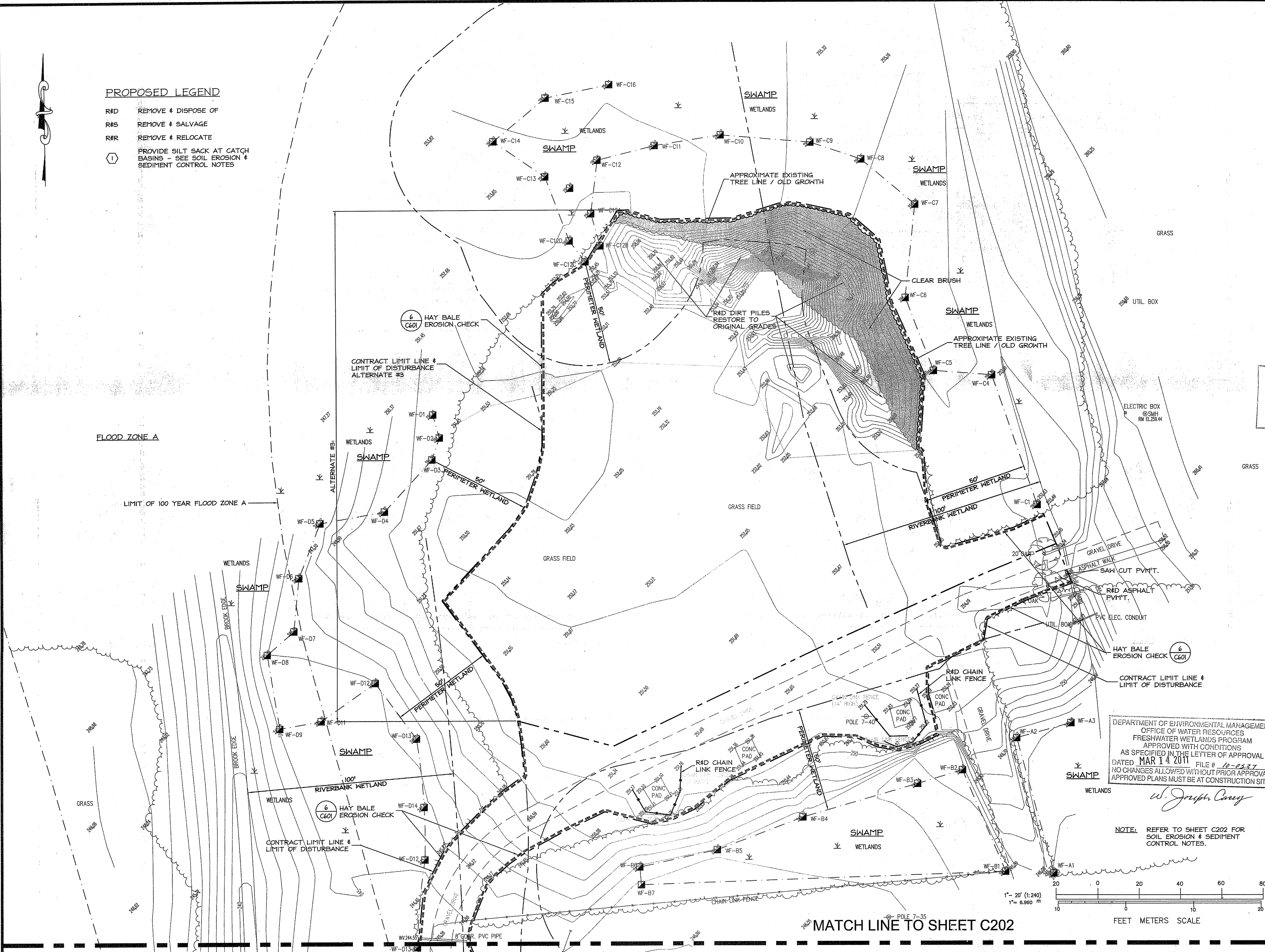


**C203**

Sheet 8 of 22

## PROPOSED LEGEND

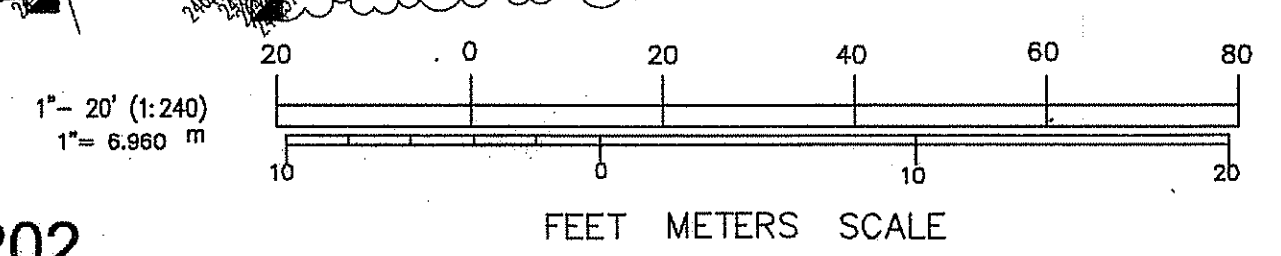
- R&D REMOVE & DISPOSE OF
- R&S REMOVE & SALVAGE
- R&R REMOVE & RELOCATE
- ① PROVIDE SILT SACK AT CATCH BASINS - SEE SOIL EROSION & SEDIMENT CONTROL NOTES



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OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
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DATED MAR 14 2011 FILE # 10-0227  
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*W. Joseph Carey*

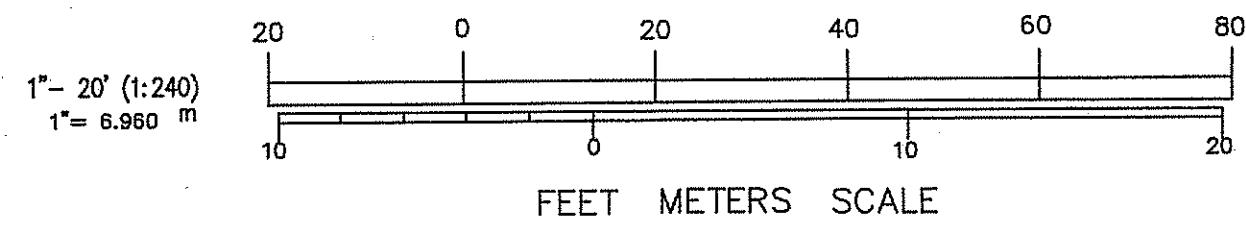
NOTE: REFER TO SHEET C202 FOR SOIL EROSION & SEDIMENT CONTROL NOTES.



MATCH LINE TO SHEET C202

LEGEND

- CB CATCH BASIN
- POLE #1 UTILITY POLE
- SIGN STREET SIGN
- SMH SEWER MANHOLE
- DMH DRAIN MANHOLE
- EMH ELECT MANHOLE
- TMH TELEPHONE MANHOLE
- OU— OVERHEAD UTILITIES
- E— ELECTRIC
- W— WATER LINES
- D— STORM DRAIN
- S— SANITARY LINE
- G— GAS LINE
- HYD FIRE HYDRANT
- LIGHT
- X— FENCE
- WG WATER GATE
- I.P.G. FIRE SHUT OFF
- 10— EXISTING CONTOURS
- SPOT ELEVATION
- POINT OF APPLICATION
- TREE
- PINE TREE

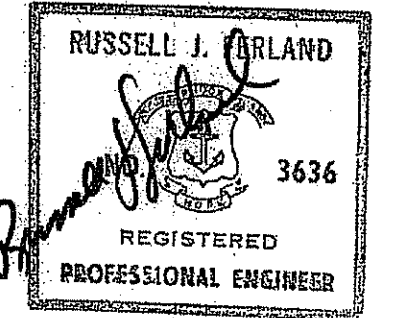


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Checked by RJF

Revised on

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TUCKER FIELD PHASE TWO

2675 MENDON ROAD  
CUMBERLAND,  
RHODE ISLAND

AP 38, LOT 4

Drawing Status

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Issued On 12/10/2010

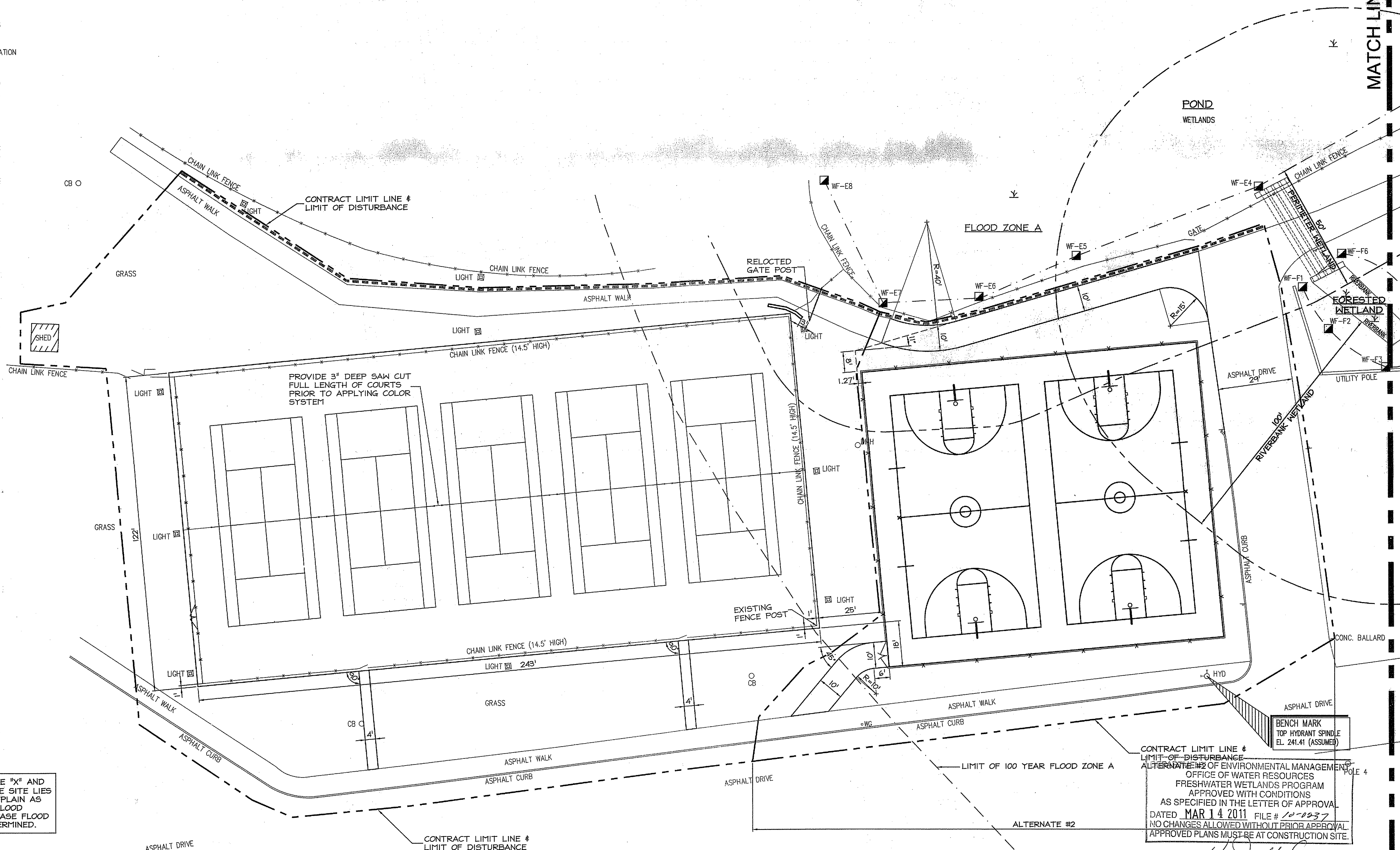
Sheet Contents

LAYOUT PLAN  
SCALE: 1" = 20'

Project Number

Drawing No.

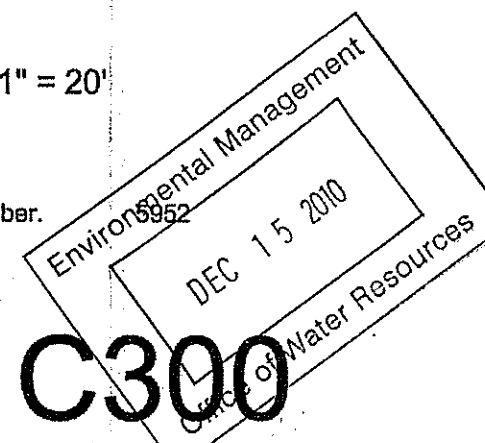
Sheet 9 of 22



THE SITE IS LOCATED IN ZONE "X" AND ZONE "A". A PORTION OF THE SITE LIES WITHIN THE 100 YEAR FLOOD PLAIN AS DETERMINED FROM F.E.M.A. FLOOD INSURANCE RATE MAP. NO BASE FLOOD ELEVATIONS HAVE BEEN DETERMINED.

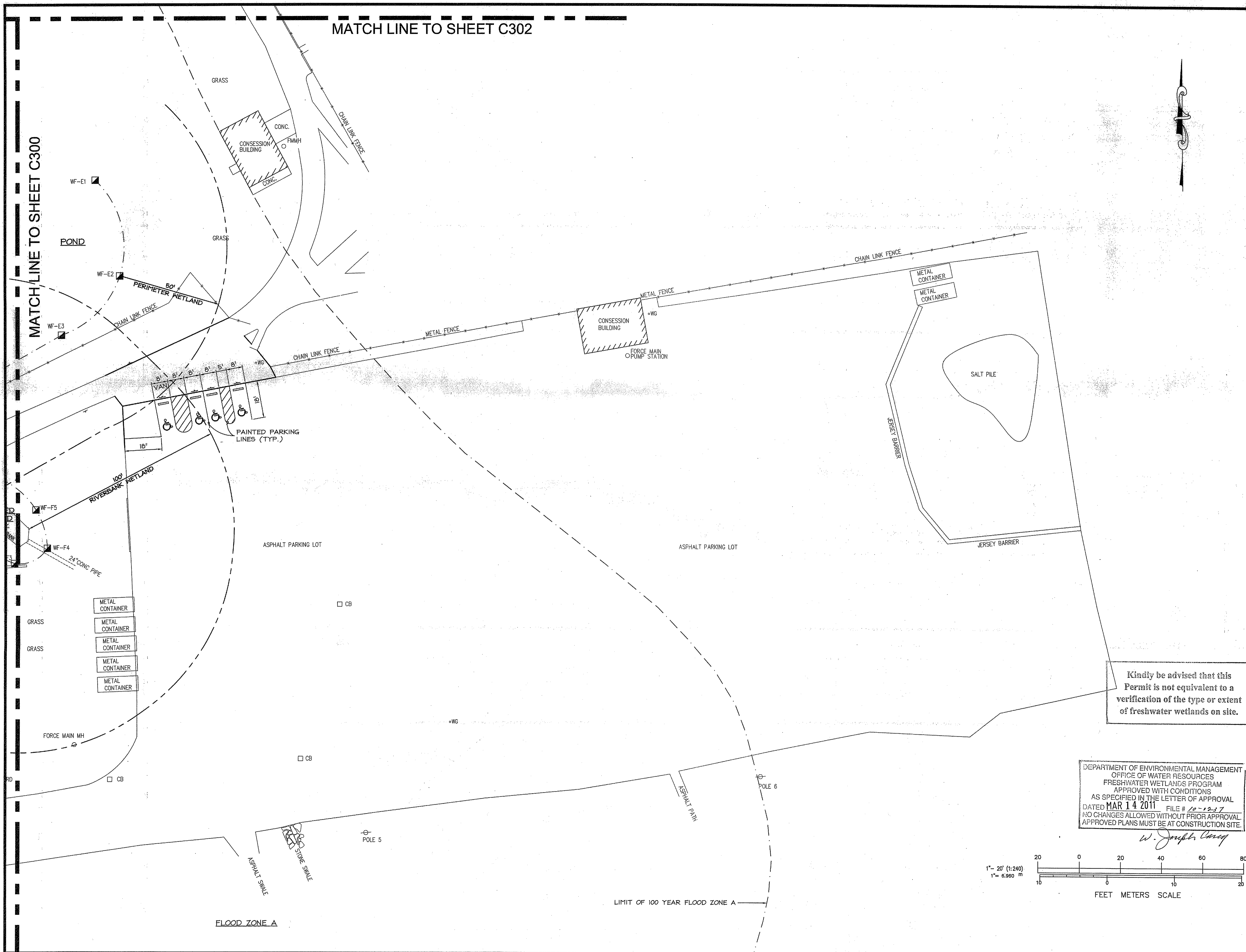
CONTRACT LIMIT LINE # LIMIT OF DISTURBANCE  
ALTERNATE #2 OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
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DATED MAR 14 2011 FILE # 10-0037  
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W. Joseph Carr



MATCH LINE TO SHEET C302

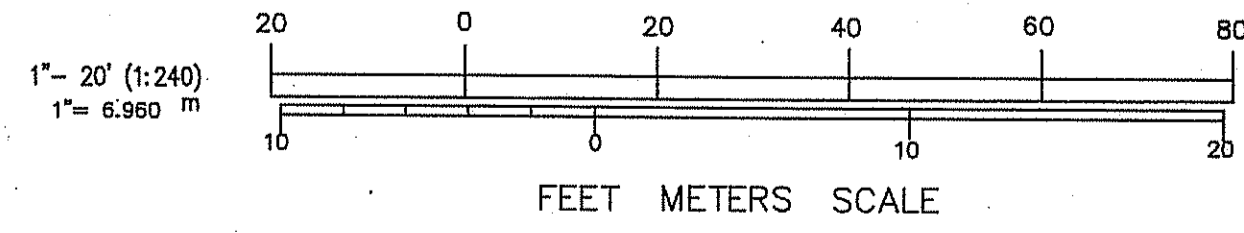
MATCH LINE TO SHEET C300



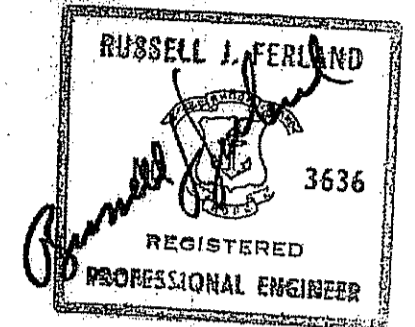
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*W. Joseph Conroy*



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 Checked by RJF  
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# TUCKER FIELD PHASE TWO

2675 MENDON ROAD  
 CUMBERLAND,  
 RHODE ISLAND

AP 38, LOT 4

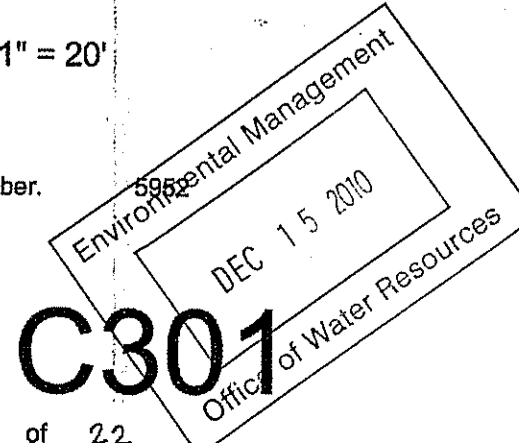
Drawing Status  
**ISSUED FOR CONSTRUCTION**

Issued On 12/10/2010

Sheet Contents  
**LAYOUT PLAN**

SCALE: 1" = 20'

Project Number.  
 Drawing No.



**C301**

Sheet 10 of 22

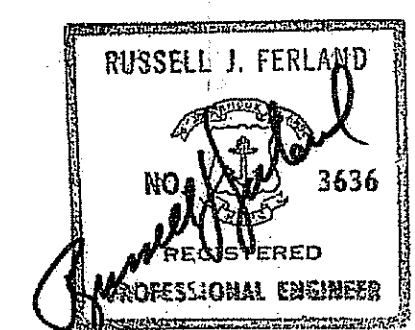


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# TUCKER FIELD PHASE TWO

2675 MENDON ROAD  
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AP 38, LOT 4

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Sheet Contents

LAYOUT PLAN

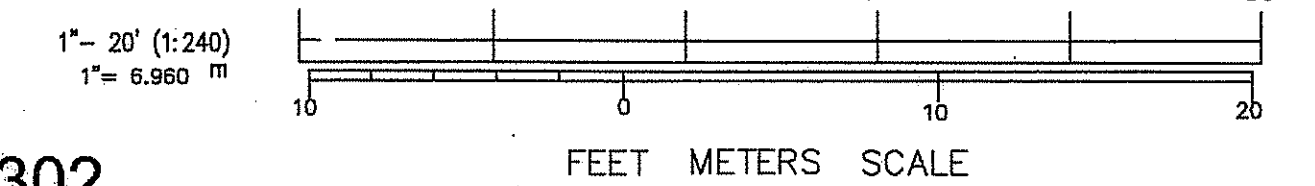
SCALE: 1" = 20'

Project Number.

Drawing No.

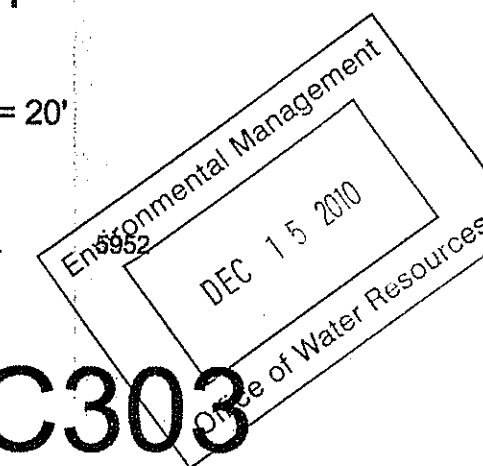
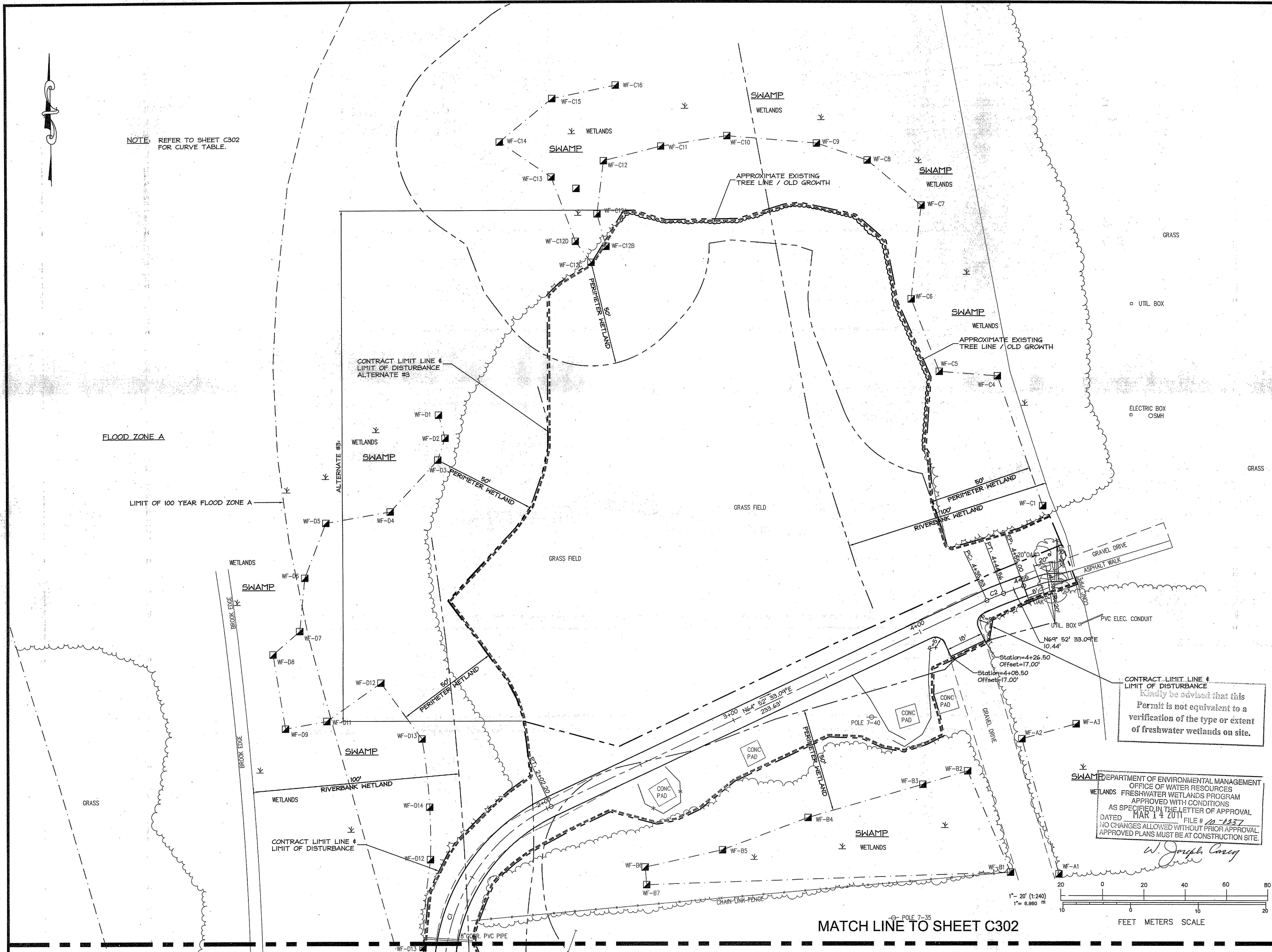
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
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WETLANDS FRESHWATER WETLANDS PROGRAM  
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*W. Joseph Conroy*



MATCH LINE TO SHEET C302

NOTE: REFER TO SHEET C302 FOR CURVE TABLE.



**C303**

Sheet 12 of 22

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**RUSSELL J. FERLAND**  
 NO. 3636  
 REGISTERED PROFESSIONAL ENGINEER

12/10/10

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 Checked by RJF  
 Revised on

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**TUCKER FIELD PHASE TWO**

2675 MENDON ROAD  
 CUMBERLAND, RHODE ISLAND

AP 38, LOT 4

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Sheet Contents  
**SITE & GRADING PLAN**  
 SCALE: 1" = 20'

Project Number. 6652  
 Drawing No.

Sheet 13 of 22

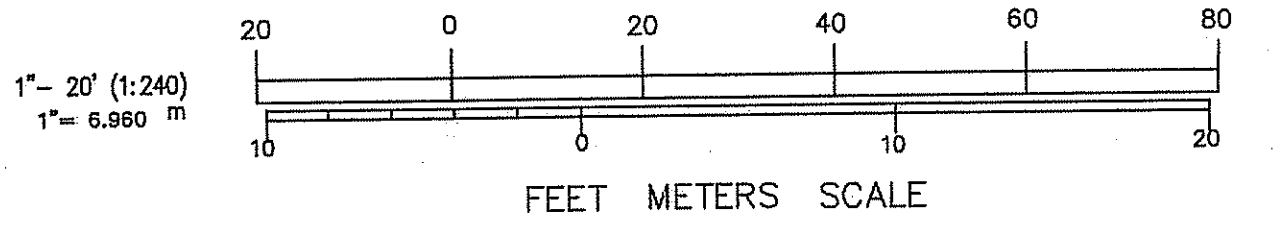
MATCH LINE TO SHEET C402

MATCH LINE TO SHEET C401

SCHEDULE OF SURFACE FINISHES			
ALL COURSE THICKNESSES AFTER FINAL COMPACTION			
(A)	BITUMINOUS CONCRETE		DRIVES & PARKING
(B)	BITUMINOUS CONCRETE		WALKS
(C)	BITUMINOUS CONCRETE		BASKETBALL COURTS & TENNIS COURTS
(CI)	ALTERNATE #4: BITUMINOUS CONCRETE		TENNIS COURTS

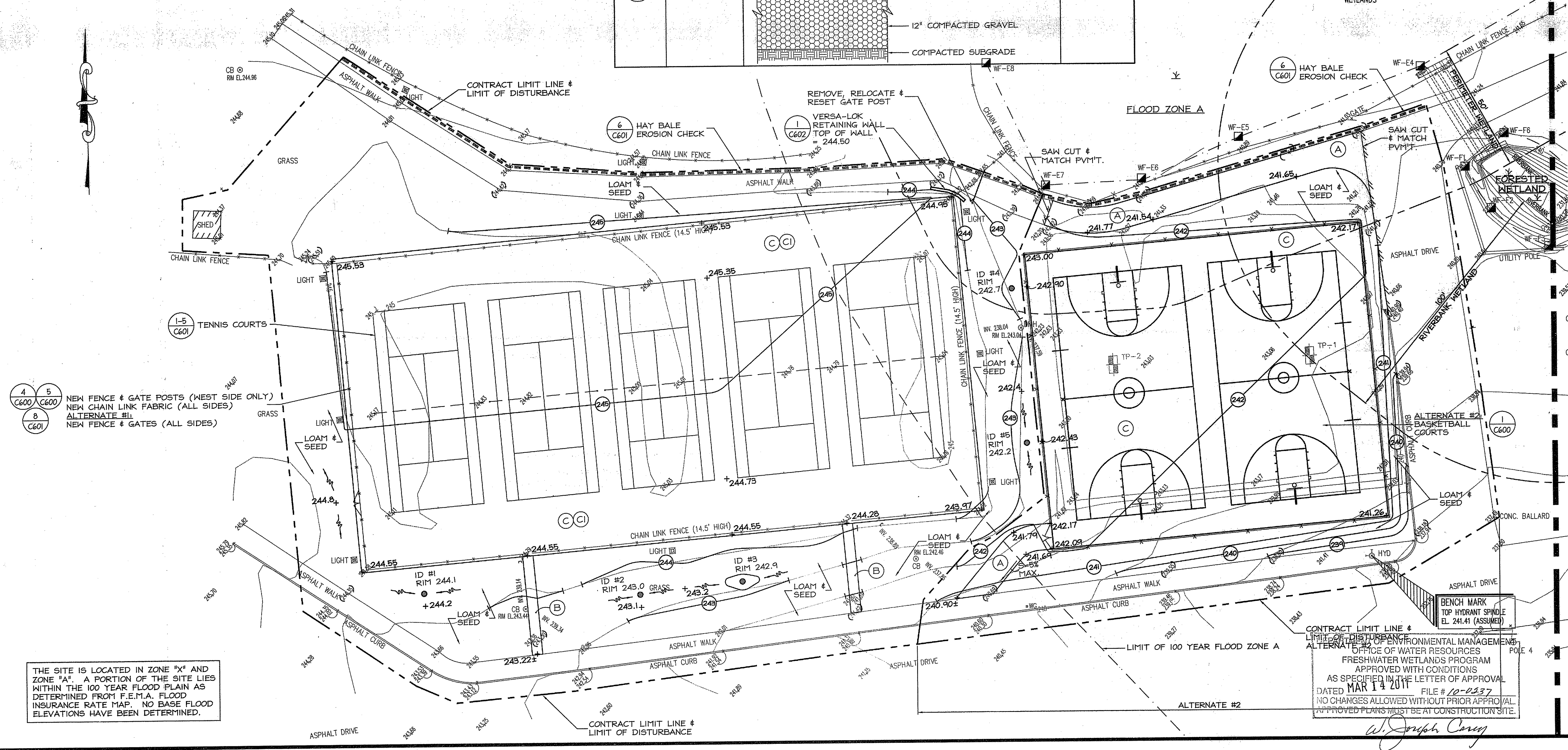
**LEGEND**

- CB CATCH BASIN
- POLE #1 UTILITY POLE
- SIGN STREET SIGN
- SMH SEWER MANHOLE
- DMH DRAIN MANHOLE
- EMH ELECT MANHOLE
- TMH TELEPHONE MANHOLE
- OU— OVERHEAD UTILITIES
- E— ELECTRIC
- W— WATER LINES
- S— STORM DRAIN
- SD— SANITARY LINE
- G— GAS LINE
- HYD FIRE HYDRANT
- ⊗ LIGHT
- X— FENCE
- WG WATER GATE
- I.P.G. FIRE SHUT OFF
- 10— EXISTING CONTOURS
- SPOT ELEVATION
- POINT OF APPLICATION
- TREE
- PINE TREE



**PROPOSED LEGEND**

- (ASG) EXISTING SPOT GRADE TO REMAIN
- +245.48 PROPOSED SPOT GRADE
- (24) PROPOSED CONTOUR
- (S) PROPOSED SWALE
- (A) KEY TO SCHEDULE OF SURFACE FINISHES



4, 5  
 C600, C600  
 8  
 C601

NEW FENCE & GATE POSTS (WEST SIDE ONLY)  
 NEW CHAIN LINK FABRIC (ALL SIDES)  
 ALTERNATE #1:  
 NEW FENCE & GATES (ALL SIDES)

THE SITE IS LOCATED IN ZONE "X" AND ZONE "A". A PORTION OF THE SITE LIES WITHIN THE 100 YEAR FLOOD PLAIN AS DETERMINED FROM F.E.M.A. FLOOD INSURANCE RATE MAP. NO BASE FLOOD ELEVATIONS HAVE BEEN DETERMINED.

CONTRACT LIMIT LINE & LIMIT OF DISTURBANCE  
 ALTERNATE #2

BENCH MARK  
 TOP HYDRANT SPINDLE  
 EL. 241.41 (ASSUMED)

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W. Joseph Conroy

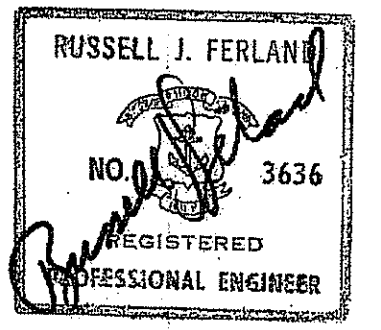
MATCH LINE TO SHEET C402

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Checked by RJF

Revised on

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# TUCKER FIELD PHASE TWO

2675 MENDON ROAD  
CUMBERLAND,  
RHODE ISLAND

AP 38, LOT 4

Drawing Status

**ISSUED FOR CONSTRUCTION**

Issued On 12/10/2010

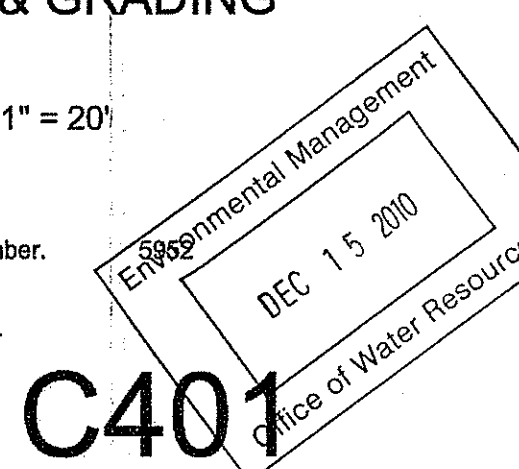
Sheet Contents

**SITE & GRADING PLAN**

SCALE: 1" = 20'

Project Number.

Drawing No.

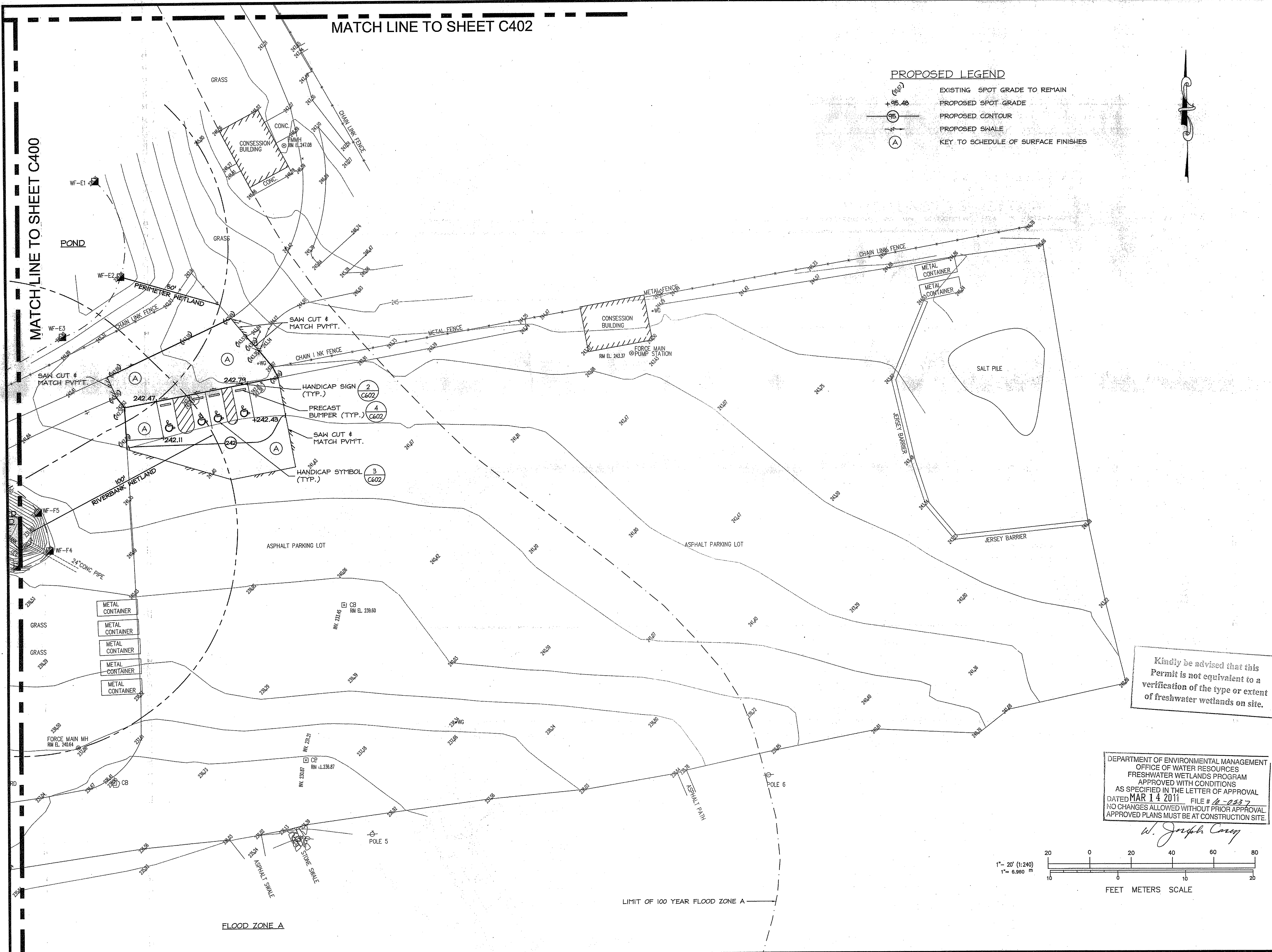


**C401**

Sheet 14 of 22

### PROPOSED LEGEND

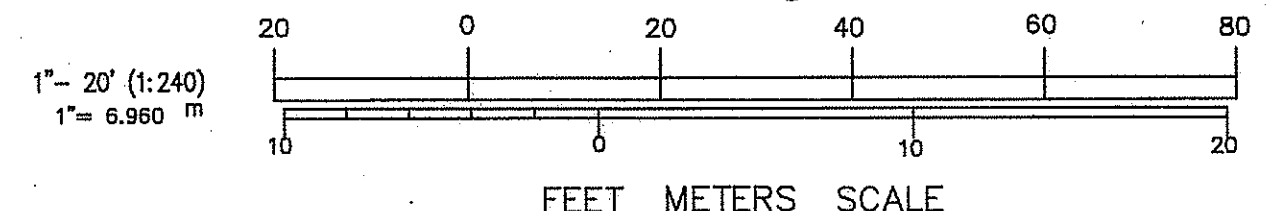
- (E) EXISTING SPOT GRADE TO REMAIN
- +95.48 PROPOSED SPOT GRADE
- (95) PROPOSED CONTOUR
- PROPOSED SWALE
- (A) KEY TO SCHEDULE OF SURFACE FINISHES



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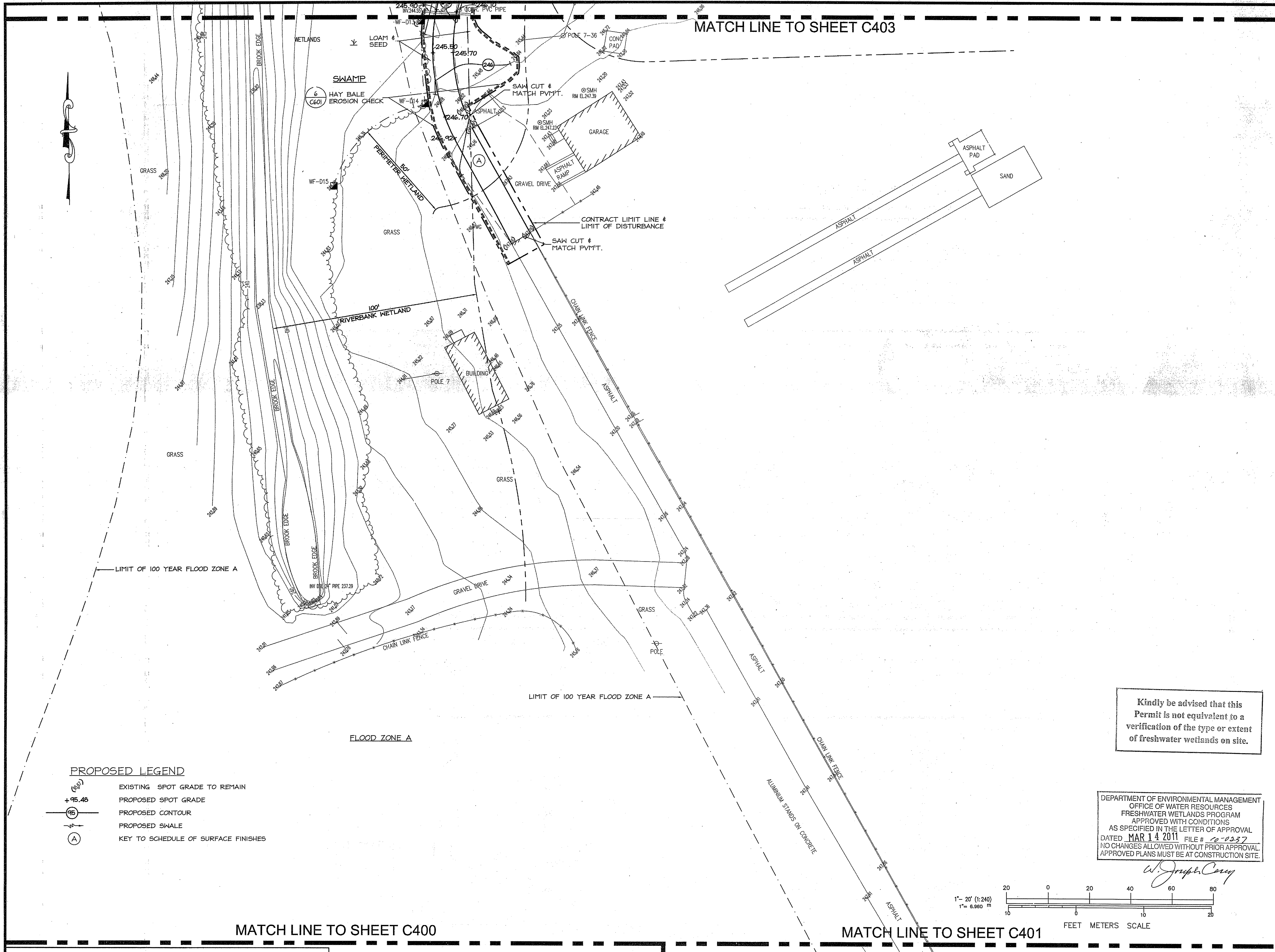
*W. Joseph Carey*



LIMIT OF 100 YEAR FLOOD ZONE A

FLOOD ZONE A

MATCH LINE TO SHEET C400



MATCH LINE TO SHEET C403

LIMIT OF 100 YEAR FLOOD ZONE A

LIMIT OF 100 YEAR FLOOD ZONE A

FLOOD ZONE A

**PROPOSED LEGEND**

- EXISTING SPOT GRADE TO REMAIN
- PROPOSED SPOT GRADE
- PROPOSED CONTOUR
- PROPOSED SWALE
- KEY TO SCHEDULE OF SURFACE FINISHES

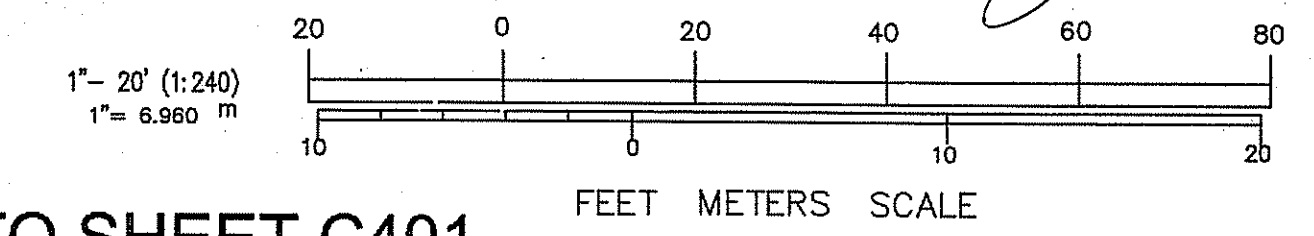
MATCH LINE TO SHEET C400

MATCH LINE TO SHEET C401

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*W. Joseph Carey*

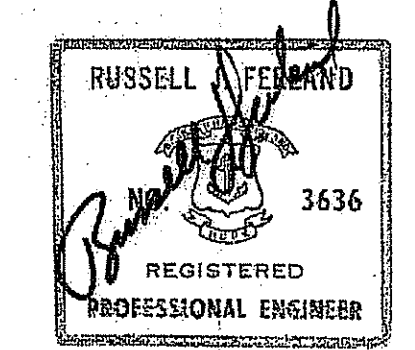


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**TUCKER FIELD  
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Drawing Status

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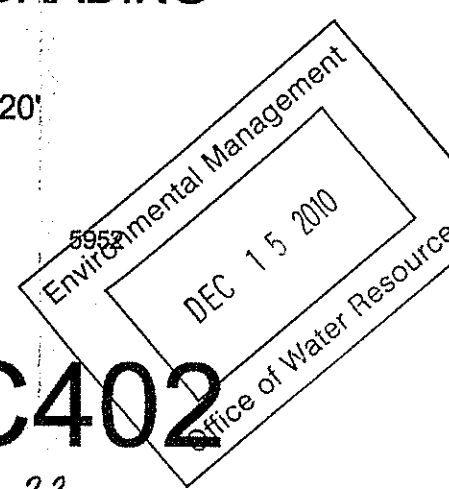
Sheet Contents

**SITE & GRADING  
 PLAN**

SCALE: 1" = 20'

Project Number.

Drawing No.



**C402**

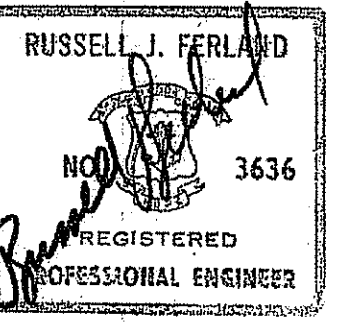
Sheet 15 of 22

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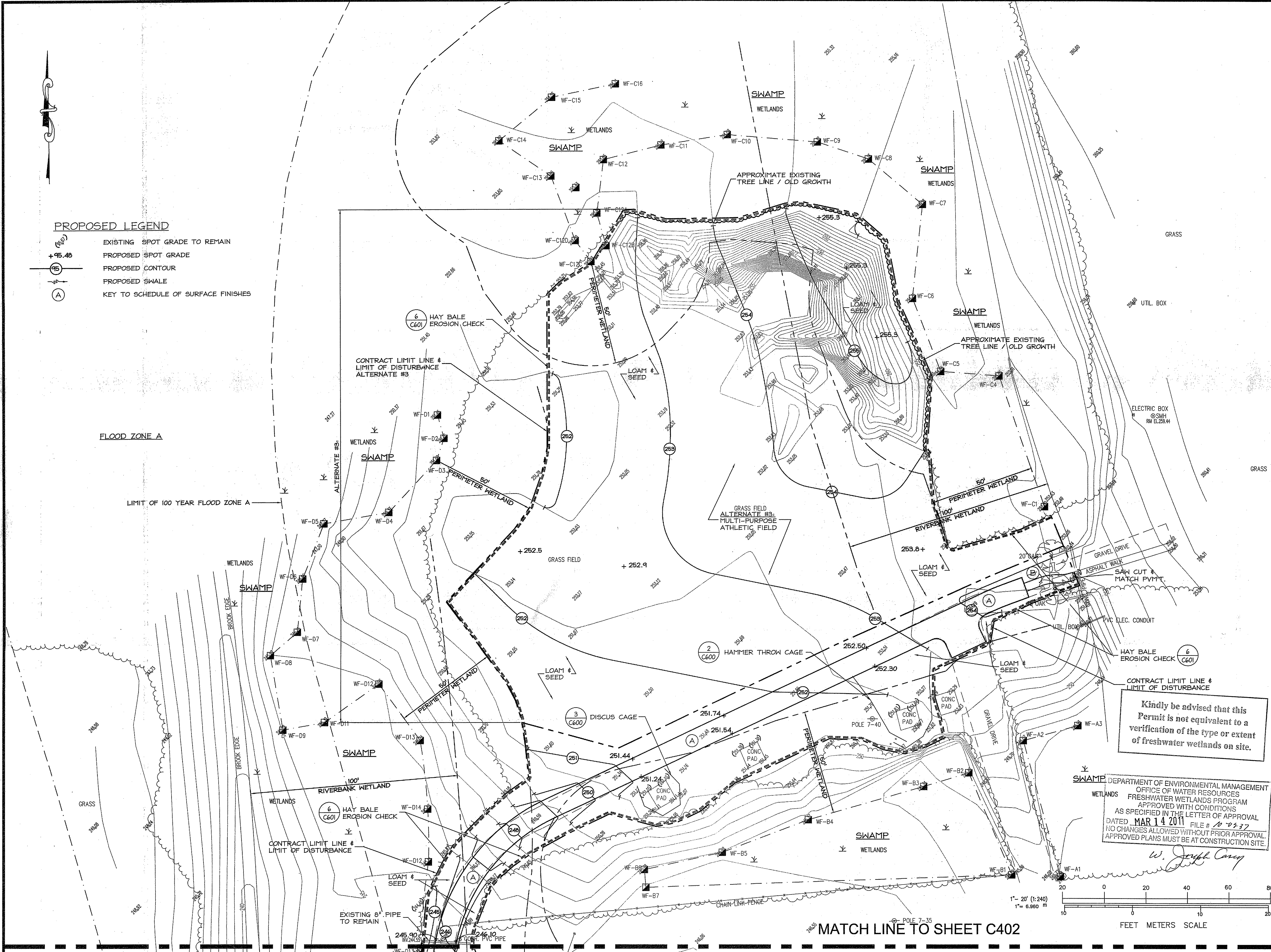
Drawn by JD

Checked by RJF

Revised on

**PROPOSED LEGEND**

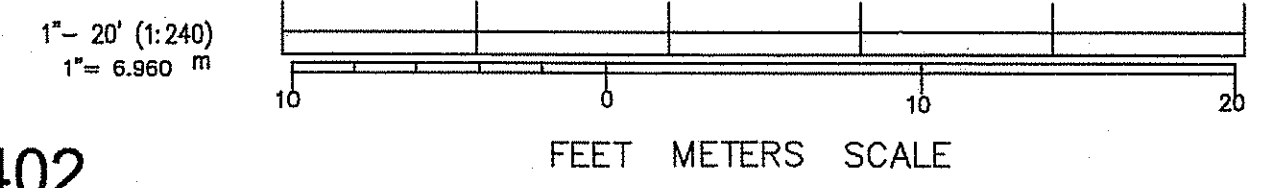
- EXISTING SPOT GRADE TO REMAIN
- PROPOSED SPOT GRADE
- PROPOSED CONTOUR
- PROPOSED SWALE
- KEY TO SCHEDULE OF SURFACE FINISHES



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*W. Joseph Camp*



MATCH LINE TO SHEET C402

**TUCKER FIELD PHASE TWO**

2675 MENDON ROAD  
CUMBERLAND,  
RHODE ISLAND

AP 38, LOT 4

Drawing Status  
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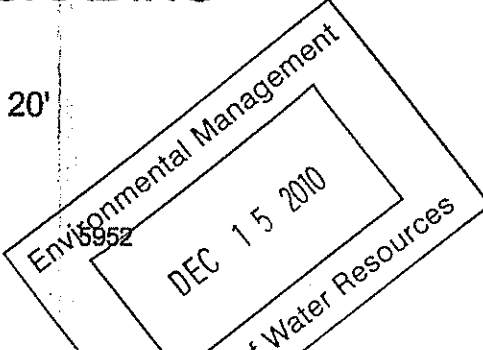
Sheet Contents

**SITE & GRADING PLAN**

SCALE: 1" = 20'

Project Number.

Drawing No.

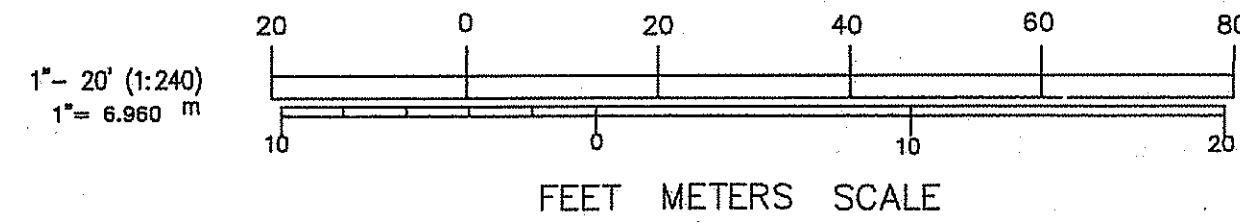


**C403**

Sheet 16 of 22

**LEGEND**

- CB CATCH BASIN
- ⊕ POLE #1 UTILITY POLE
- ⊕ SIGN STREET SIGN
- SMH SEWER MANHOLE
- DMH DRAIN MANHOLE
- EMH ELECT MANHOLE
- TMH TELEPHONE MANHOLE
- OU— OVERHEAD UTILITIES
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- W— WATER LINES
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- G— GAS LINE
- ⊕ HYD FIRE HYDRANT
- ⊕ LIGHT LIGHT
- X— FENCE
- WC WATER GATE
- I.P.G. FIRE SHUT OFF
- 10— EXISTING CONTOURS
- ▲ SPOT ELEVATION
- POINT OF APPLICATION
- TREE
- PINE TREE



**PROPOSED LEGEND**

- ND— NEW STORM DRAIN LINE
- ID NEW INLINE DRAIN
- NEW MANHOLE



**GENERAL NOTES:**

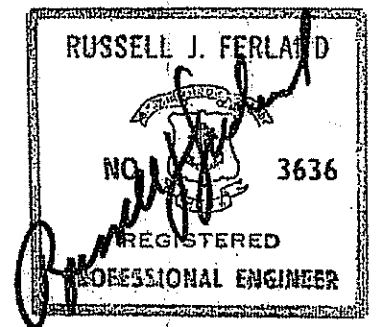
1. BEFORE BEGINNING ANY EXCAVATION OR DEMOLITION, GIVE A MINIMUM OF SEVENTY-TWO (72) HOUR NOTICE EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, TO ALL UTILITY COMPANIES WITHIN THE AREA. ALSO, CALL "DIG SAFE" AT 1-888-344-7233 OR 811 IN MAINE, NEW HAMPSHIRE, VERMONT, MASSACHUSETTS AND RHODE ISLAND, TO NOTIFY MEMBER UTILITIES. PRIOR TO NOTIFYING "DIG SAFE", THE AREA OF PROPOSED EXCAVATION MUST BE PRE-MARKED WITH WHITE PAINT. CONTRACTOR SHALL ALSO CONFORM TO CHAPTER 39-1.2 OF THE GENERAL LAWS OF THE STATE OF RHODE ISLAND, ENTITLED "EXCAVATION NEAR UNDERGROUND UTILITY FACILITIES". (CT 1-800-922-4455 OR 1-203-281-5435)
2. LOCATION AND DEPTHS OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. CHECK AND VERIFY LOCATION AND DEPTHS OF ALL UTILITIES, BOTH UNDERGROUND AND OVERHEAD BEFORE BEGINNING ANY EXCAVATING. REPAIR AND PAY FOR ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN OR NOT SHOWN, AT NO ADDITIONAL COST TO THE OWNER.
3. PATCHING OF STREETS AND SIDEWALKS MUST CONFORM TO THE TOWN OF CUMBERLAND AND/OR RIDOT SPECIFICATIONS AND STANDARDS. EXTENT AND WIDTH OF PATCHING SHALL BE AS REQUIRED BY THE LOCAL JURISDICTION.
4. ALL AREAS DISTURBED BY CONSTRUCTION AND NOT INDICATED TO RECEIVE ANY OTHER FORM OF SURFACE TREATMENT SHALL BE LOAMED AND SEEDED.
5. WITHIN SEVENTY-TWO (72) HOURS AFTER AWARD OF THE CONTRACT FOR STORM AND SANITARY SEWER DRAIN WORK, THE LICENSED DRAIN LAYER MUST APPEAR AT THE NARRAGANSETT BAY COMMISSION OFFICE AND SIGN THE PENDING APPLICATION FOR THE PROJECT. NO WORK SHALL BE PERFORMED UNTIL THE NARRAGANSETT BAY COMMISSION RECEIVES THE APPROPRIATE SIGNATURES.
6. THE COST TO PROVIDE TRAFFIC CONTROL SIGNS (STOP, DO NOT ENTER, AUTHORIZED VEHICLES ONLY, HANDICAPPED PARKING, ETC.) ARE INCLUDED IN THE BASE BID. THESE SIGNS ARE NOT INCLUDED AS PART OF THE GRAPHIC ALLOWANCE.
7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY UTILITY PERMITS.

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Certification

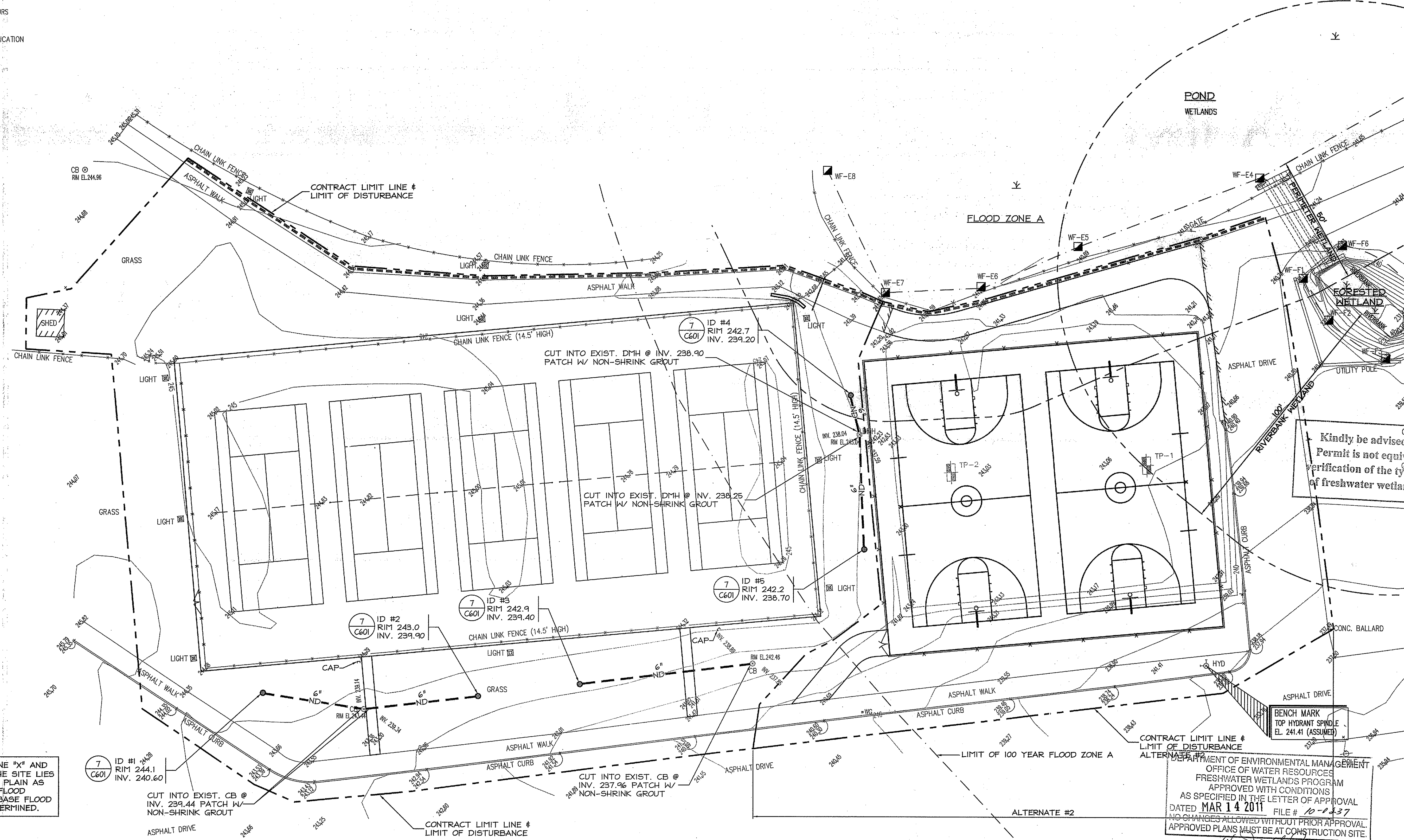


12/10/10

Drawn by JD

Checked by RJF

Revised on



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Architecture · Engineering · Interior Design  
Project



**TUCKER FIELD PHASE TWO**

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

2675 MENDON ROAD  
CUMBERLAND,  
RHODE ISLAND

AP 38, LOT 4

Drawing Status  
**ISSUED FOR CONSTRUCTION**

Issued On 12/10/2010

Sheet Contents

**UTILITY PLAN**  
SCALE: 1" = 20'

Project Number

Drawing No.

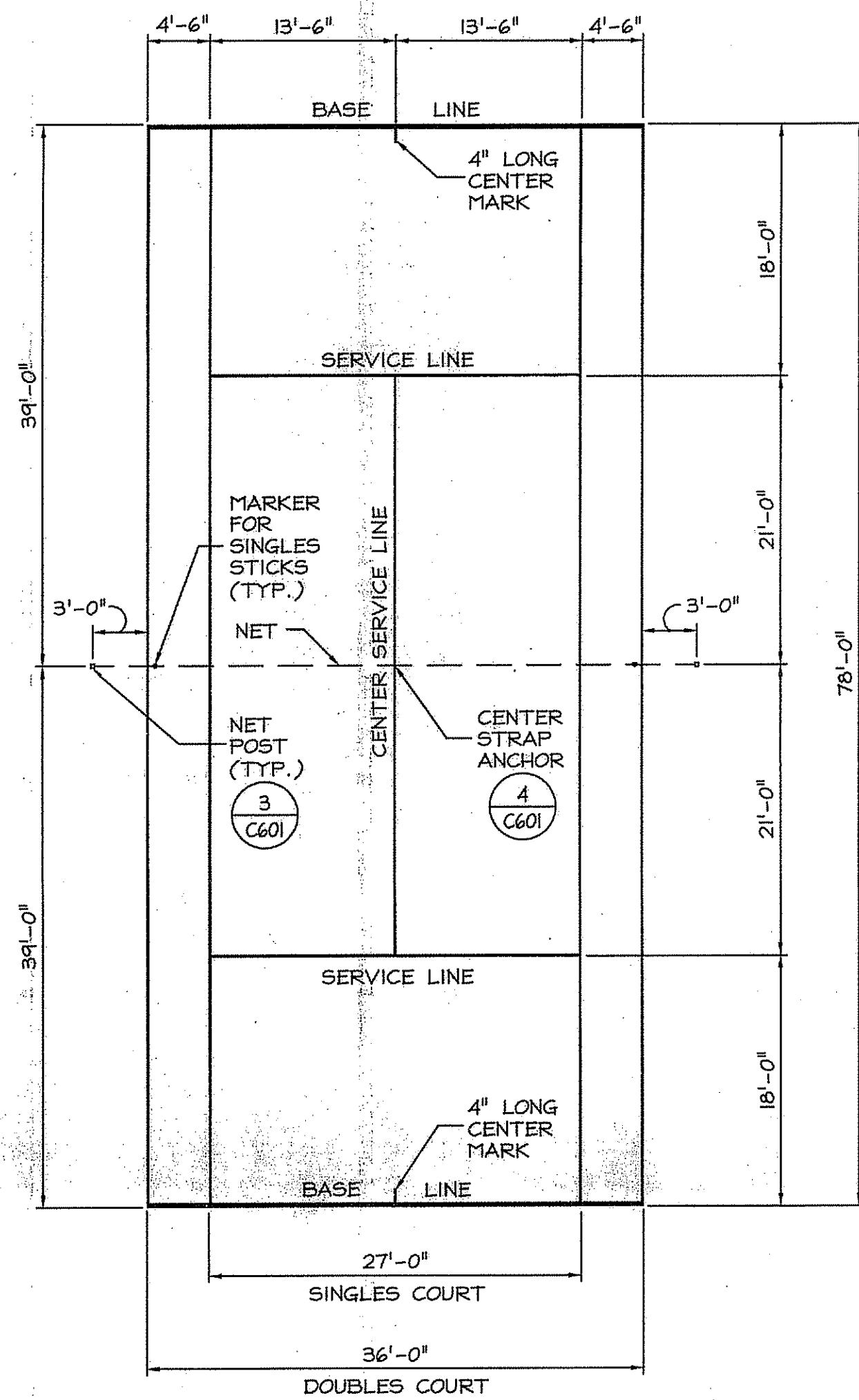
**C500**

Sheet 17 of 22

THE SITE IS LOCATED IN ZONE "X" AND ZONE "A". A PORTION OF THE SITE LIES WITHIN THE 100 YEAR FLOOD PLAIN AS DETERMINED FROM F.E.M.A. FLOOD INSURANCE RATE MAP. NO BASE FLOOD ELEVATIONS HAVE BEEN DETERMINED.

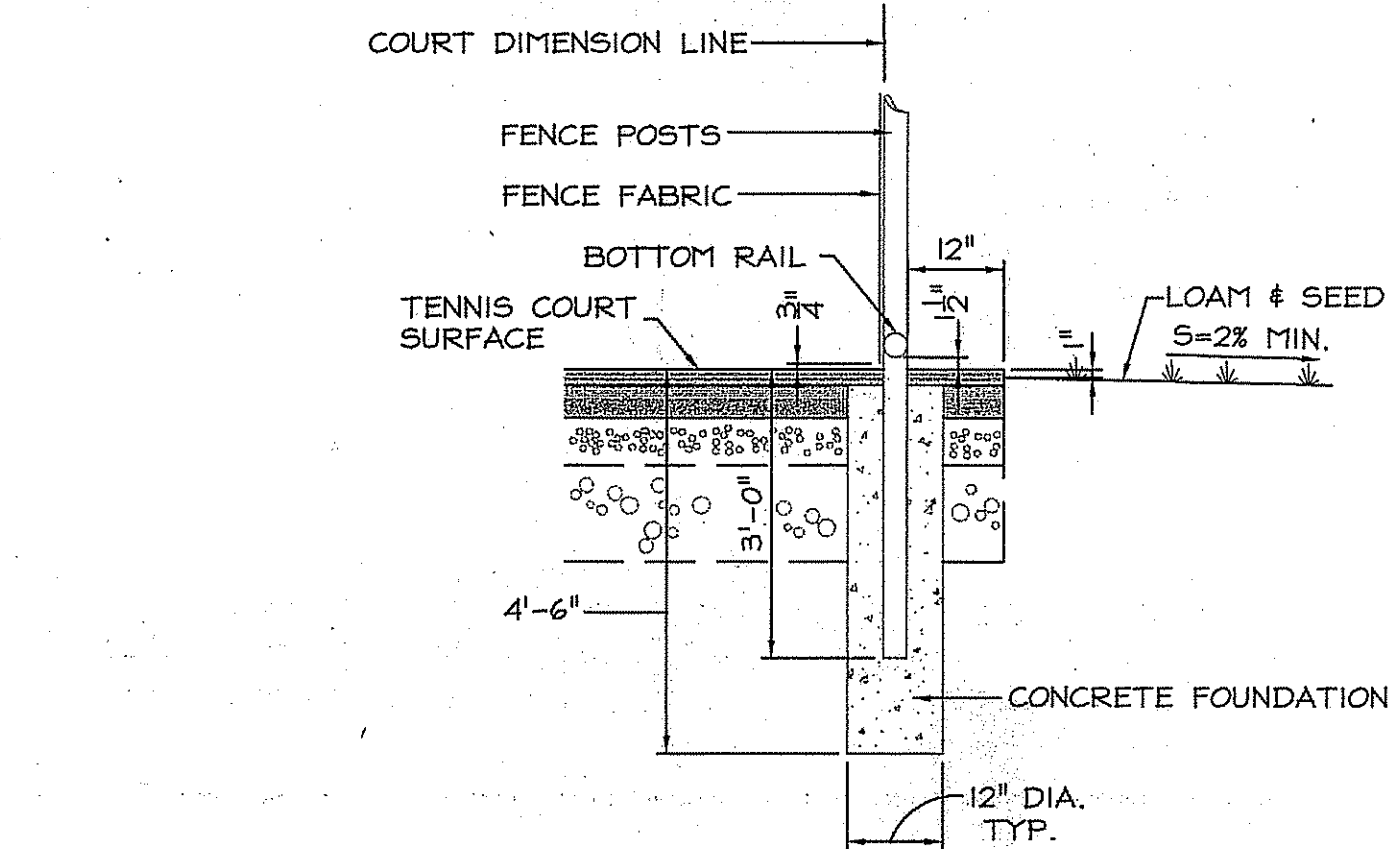
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED MAR 14 2011 FILE # 10-1437  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.



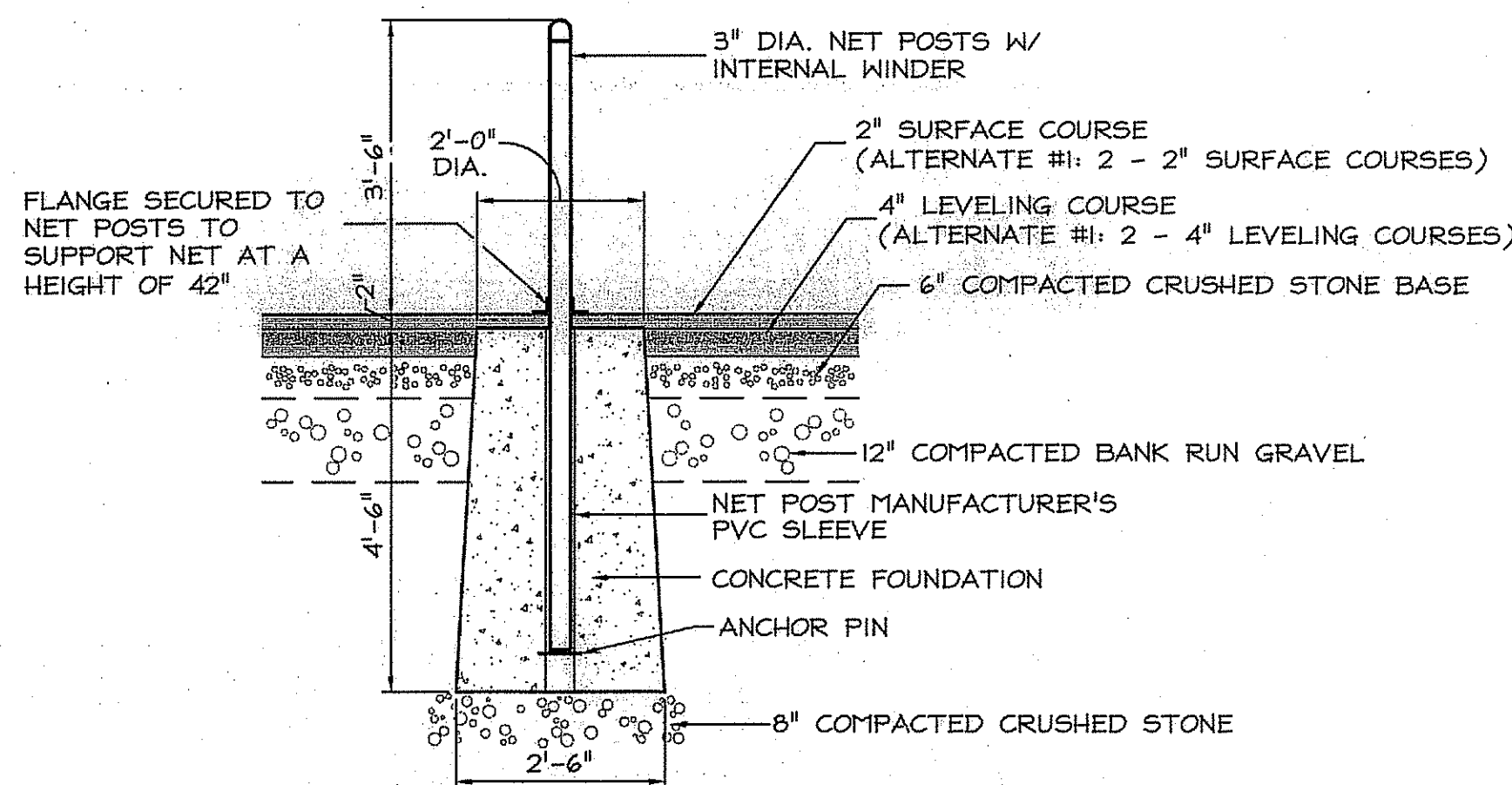


- NOTES:
- COURT LINES 2" WIDE.
  - BASE LINES 4" WIDE.
  - DIMENSIONS GIVEN TO OUTSIDE OF LINES EXCEPT CENTER LINE.

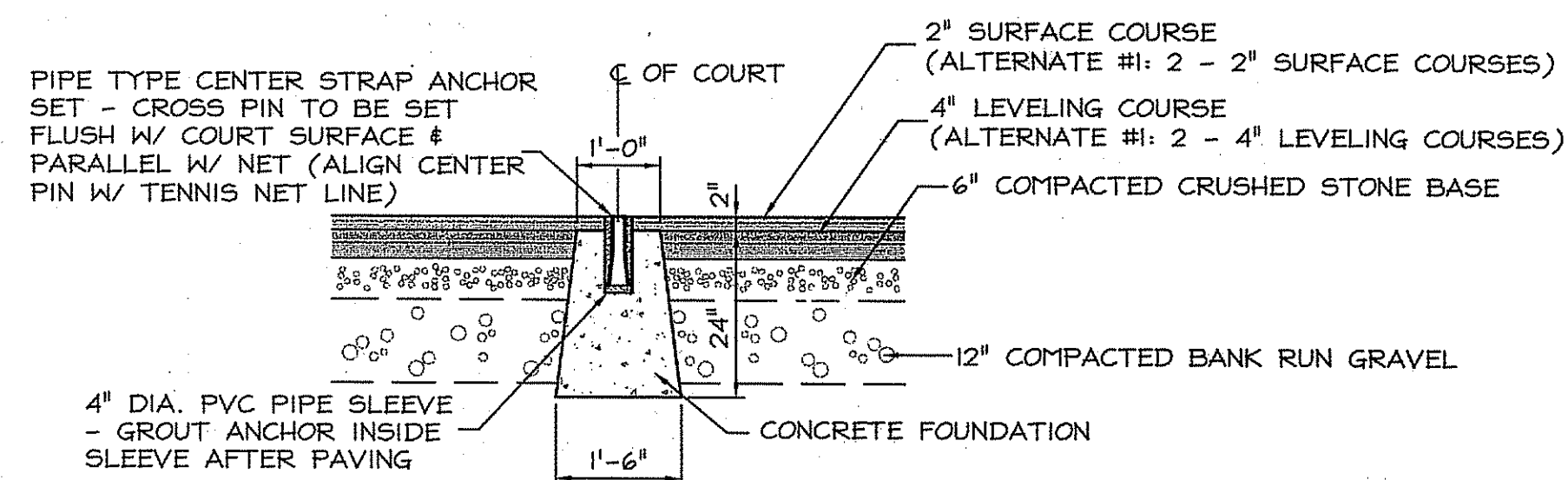
1 TENNIS COURT LAYOUT  
C601 NOT TO SCALE



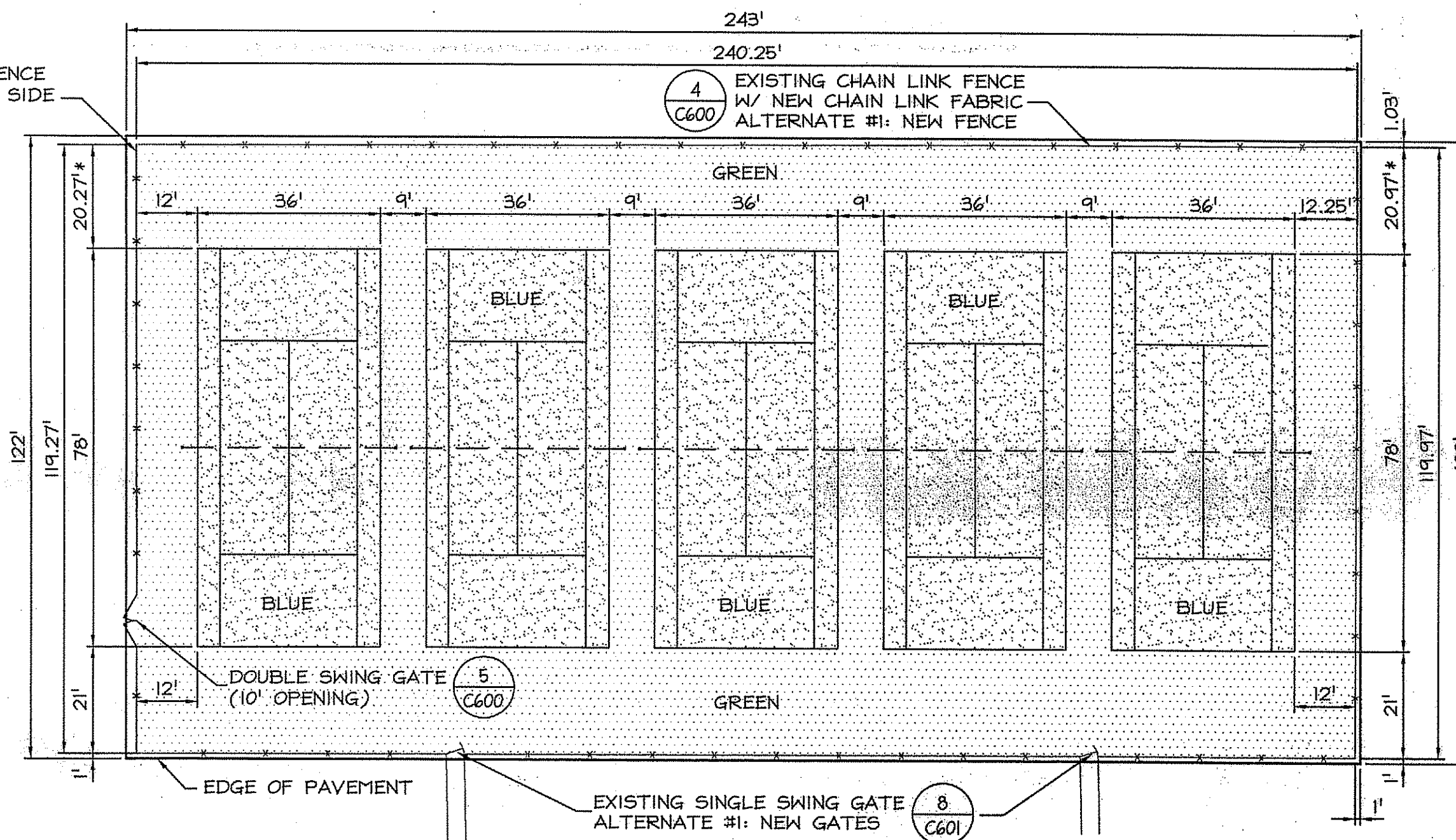
2 TENNIS COURT EDGE  
C601 NOT TO SCALE



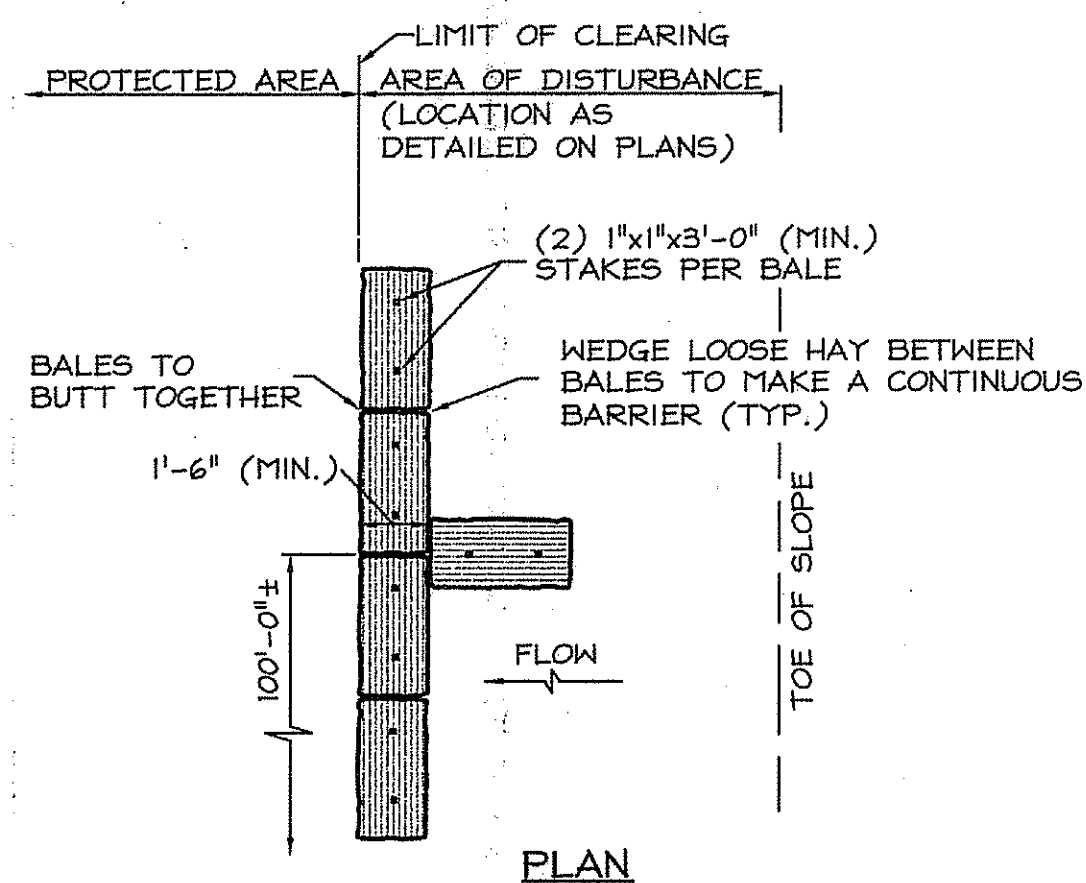
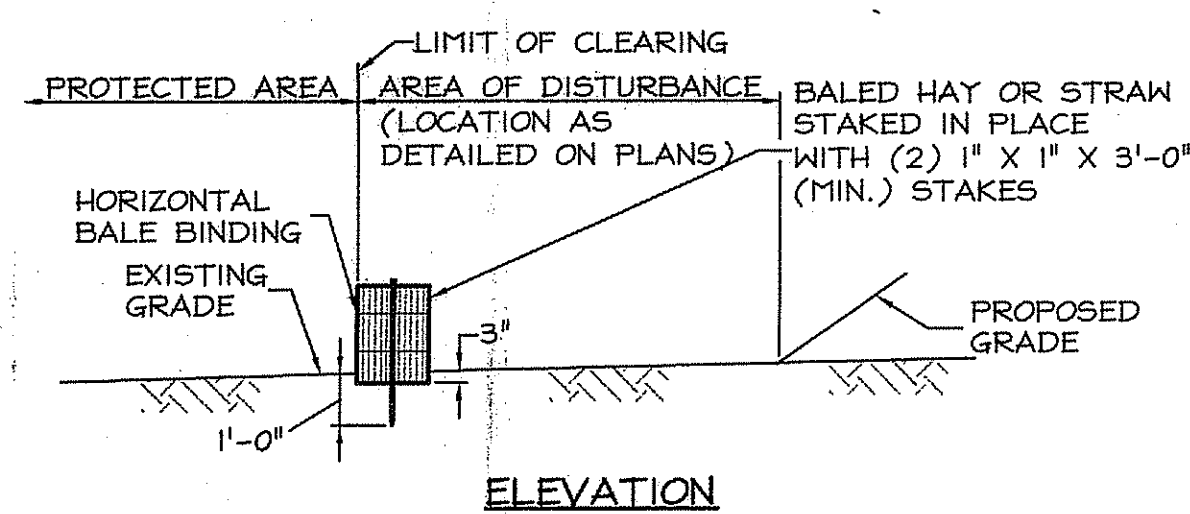
3 TENNIS COURT NET POST  
C601 NOT TO SCALE



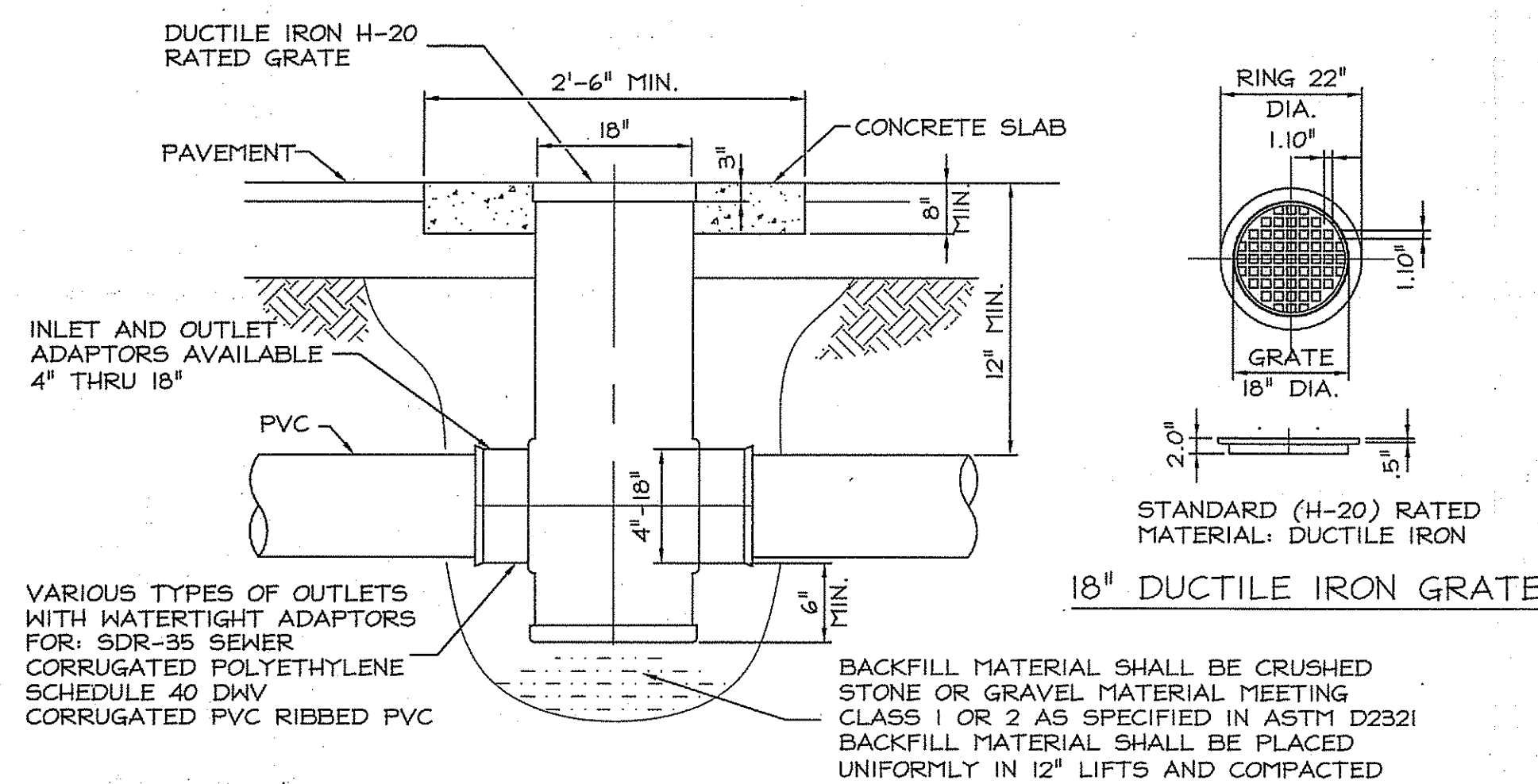
4 TENNIS COURT CENTER STRAP ANCHOR  
C601 NOT TO SCALE



5 TENNIS COURT PLAN  
C601 NOT TO SCALE

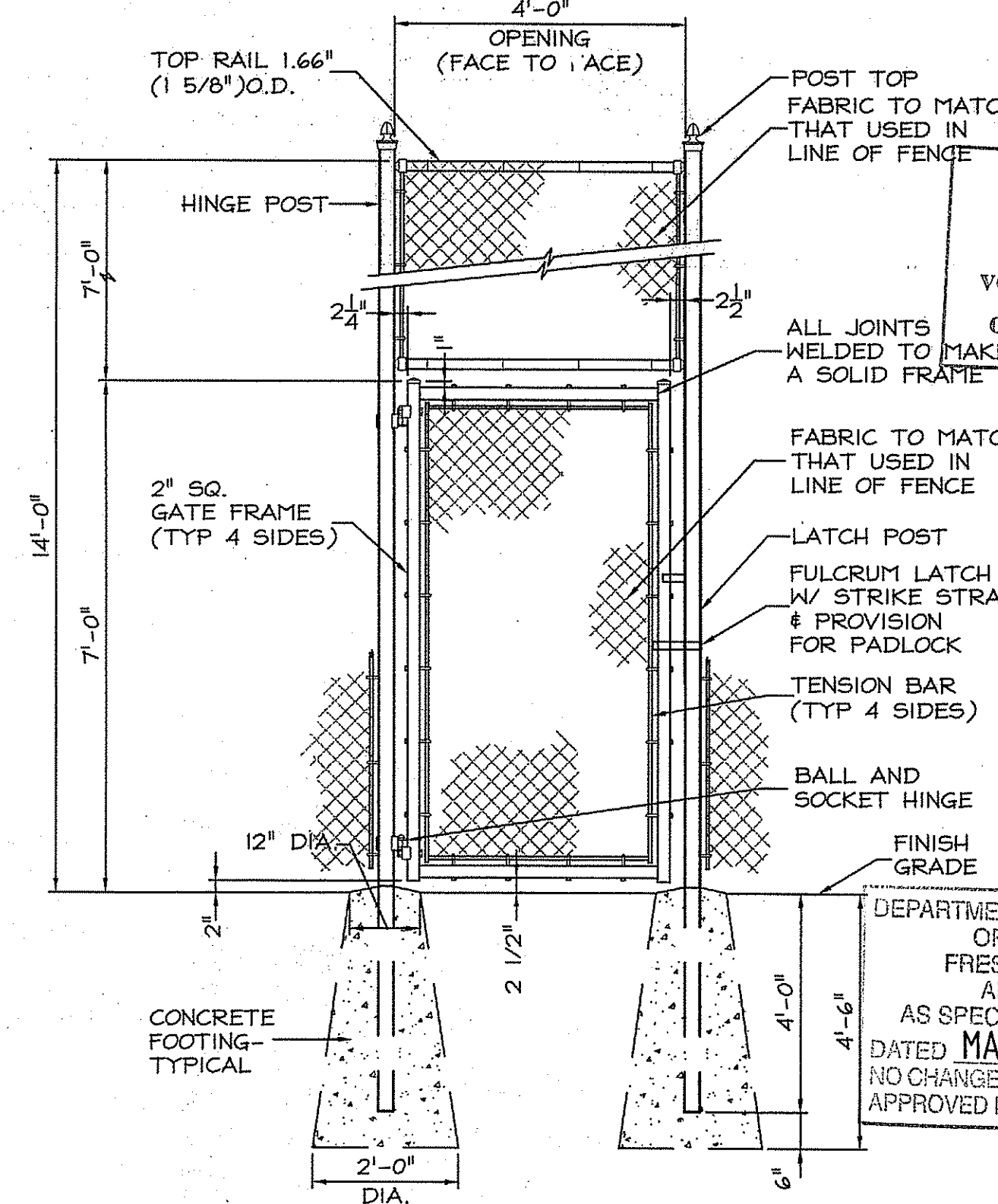


6 HAY BALE EROSION CHECK (TYPE A)  
C601 NOT TO SCALE



- NOTE:
- PROVIDE DRAIN BASIN AS MANUFACTURED BY NYLOPLAST USA INC.
  - DRAIN AREA = 98.7 SQ. INCH.
  - GRATE TO HAVE H-20 (HEAVY TRAFFIC) DOT RATING.
  - MATERIAL SHALL CONFORM TO ASTM A48 - CLASS 30B. CASTINGS ARE TO BE FURNISHED WITH A BLACK PAINT.

7 18" INLINE DRAIN BASIN  
C601 NOT TO SCALE



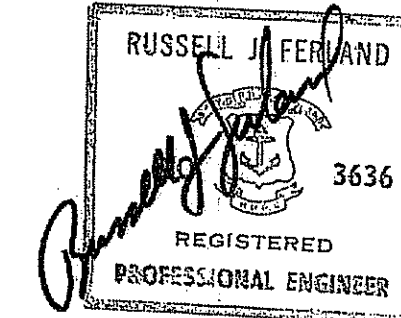
8 SINGLE SWING GATE - ALT. #1  
C601 NOT TO SCALE

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Certification



12/10/10

Drawn by JD

Checked by RJF

Revised on

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Project

TUCKER FIELD PHASE TWO

2675 MENDON ROAD  
CUMBERLAND,  
RHODE ISLAND

AP 38, LOT 4

Drawing Status

ISSUED FOR CONSTRUCTION

Issued On 12/10/2010

Sheet Contents

DETAILS

SCALE AS NOTED

AS SPECIFIED IN THE LETTER OF APPROVAL

DATED MAR 14 2011 FILE # 10-1237

NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.

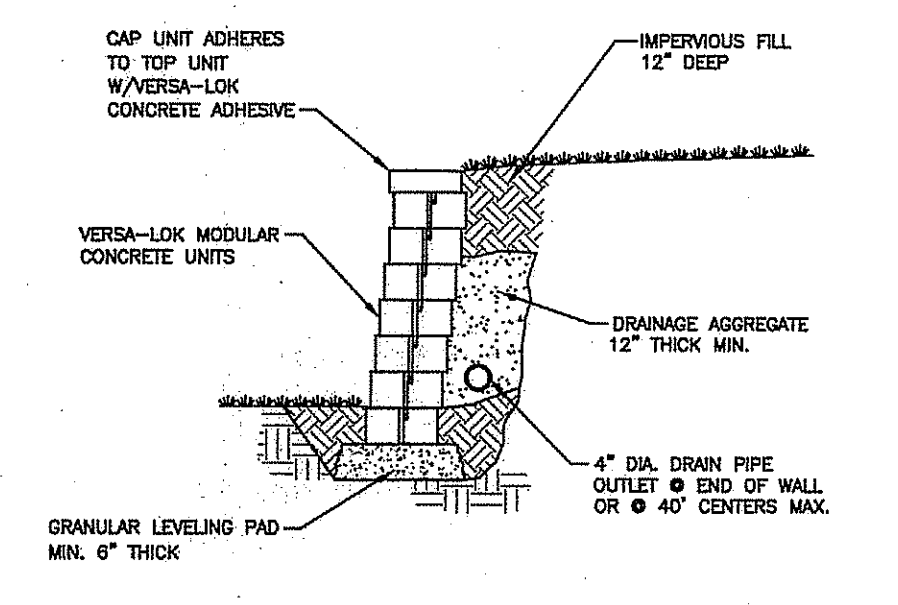
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

Project Number

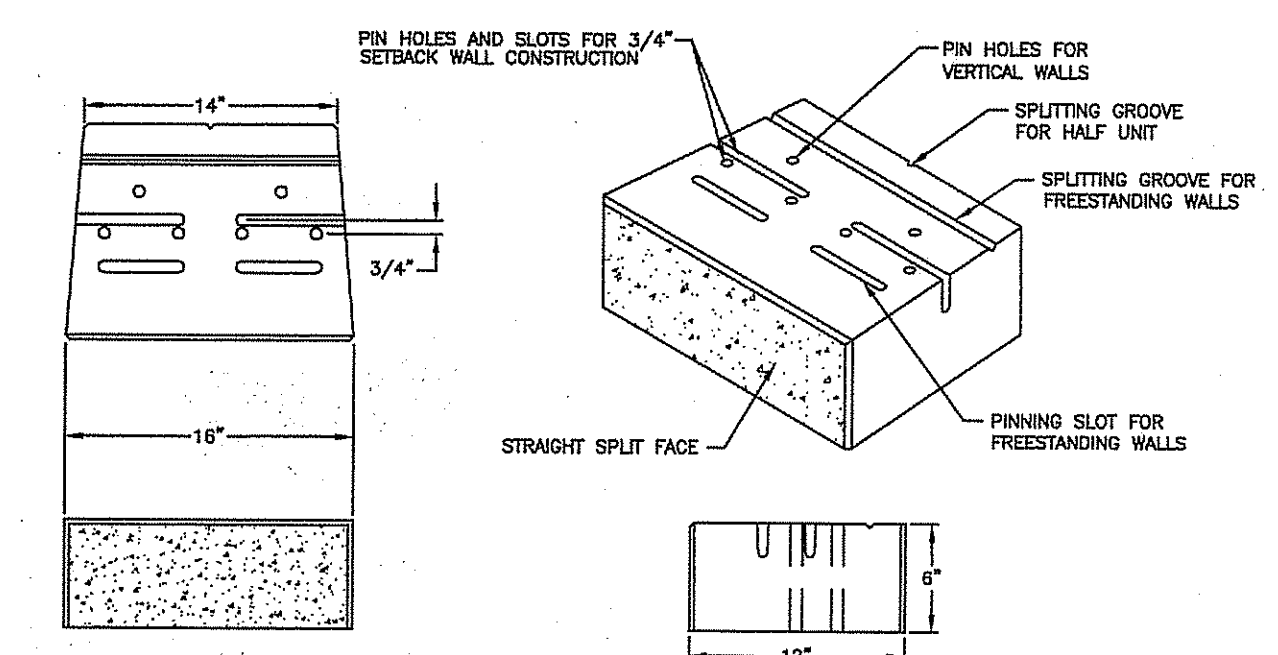
Drawing No.

C601

Sheet 19 of 22



TYPICAL SECTION—UNREINFORCED RETAINING WALL  
SCALE: NONE



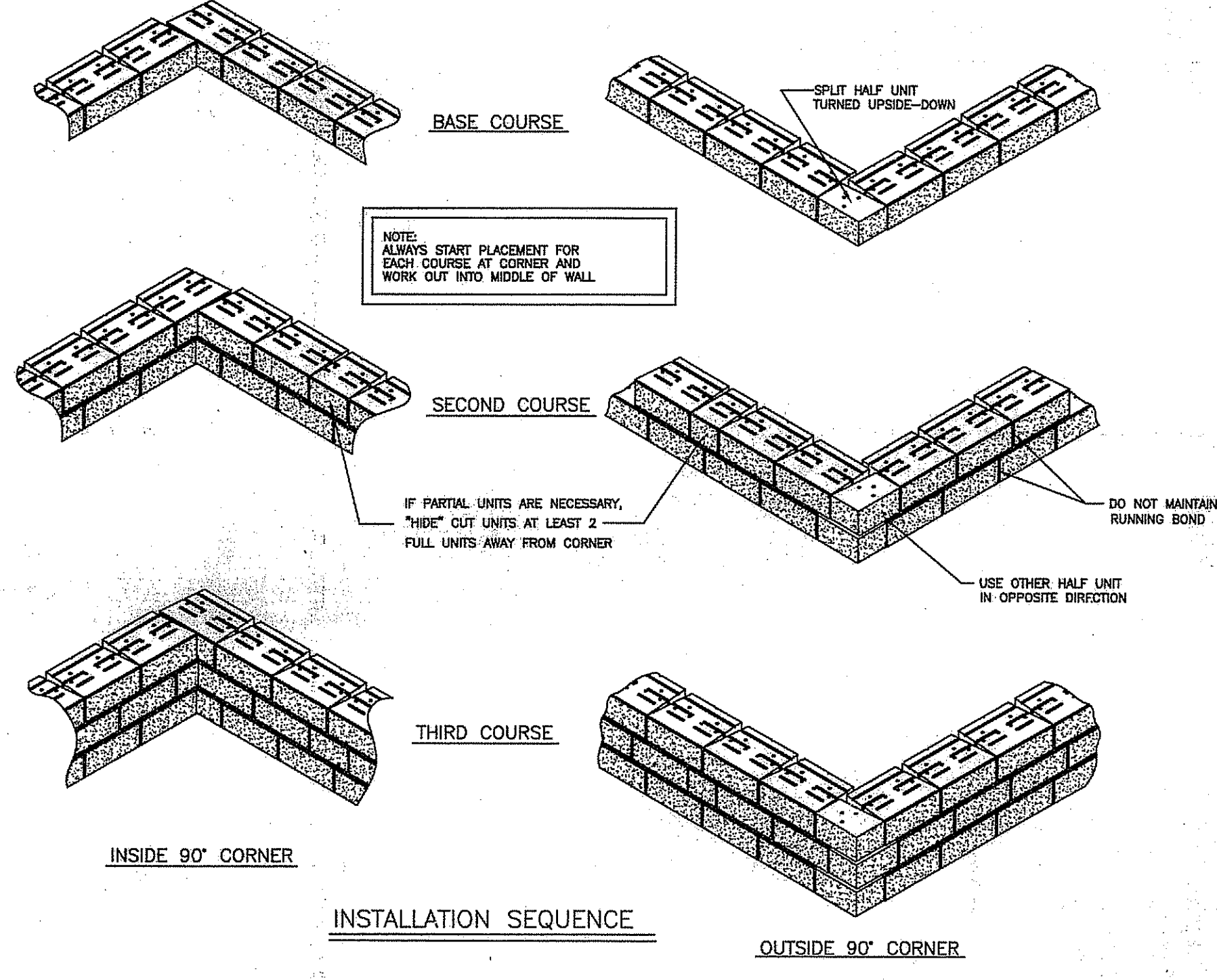
VERSALOK UNIT  
UNIT DIMENSIONS  
SCALE: NONE

**INSTALLATION NOTES**

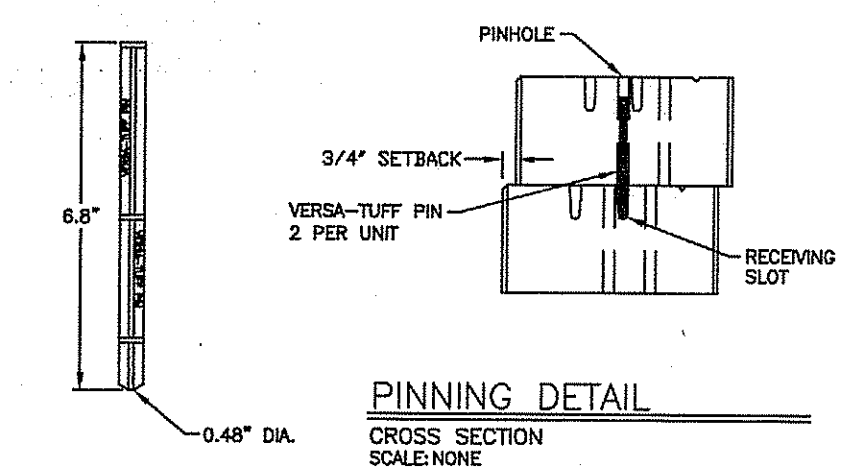
- STRIP VEGETATION AND ORGANIC SOIL FROM WALL AND GEOSYNTHETIC ALIGNMENT. BENCH OUT ALL EXCAVATED SLOPES.
- DO NOT EXCAVATE BEYOND EXCAVATION LINES SHOWN ON PLAN UNLESS DIRECTED BY SITE SOILS ENGINEER TO RESOLVE UNSUITABLE SOIL.
- CONTRACTOR SHALL ENSURE TEMPORARY EXCAVATIONS ARE STABLE AND PROVIDE EXCAVATION SUPPORT IF NEEDED.
- SITE SOILS ENGINEER SHALL VERIFY FOUNDATION SOILS AS BEING COMPETENT PER THE DESIGN PARAMETERS.
- LEVELING PAD SHALL CONSIST OF WELL GRADED ROAD BASE AGGREGATE, 3/4\"/>

**GENERAL NOTES:**

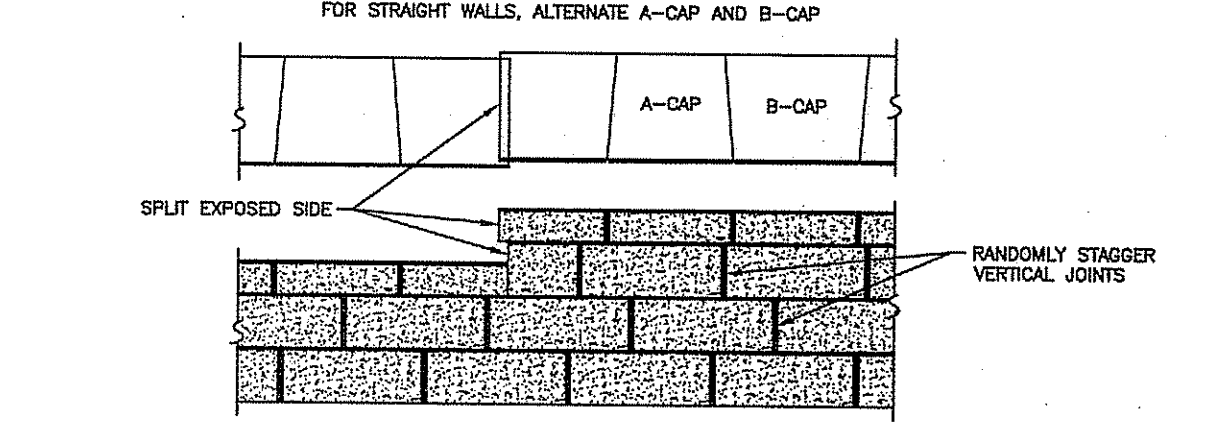
1. FOUNDATION SUPPORT FOR THE PROPOSED MSE RETAINING WALL. MODULAR CONCRETE FACING UNITS WILL BE PROVIDED USING A LEVELING PAD CONSTRUCTED OF 6 INCHES OF SAND GRAVEL FILL OR 3/4\"/>



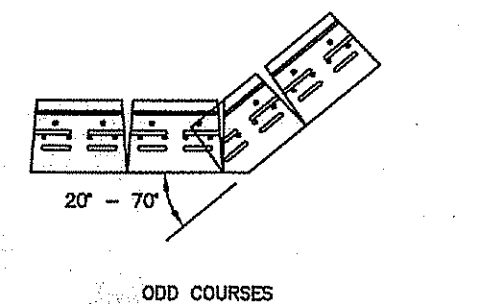
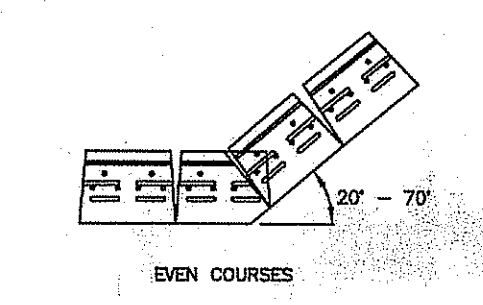
INSTALLATION SEQUENCE



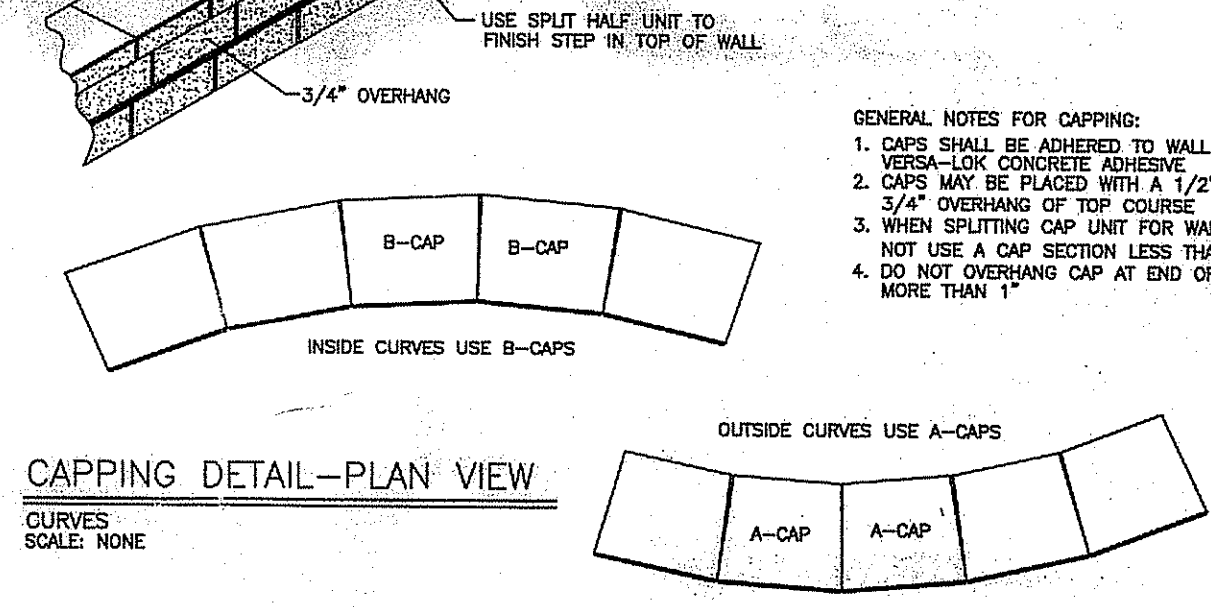
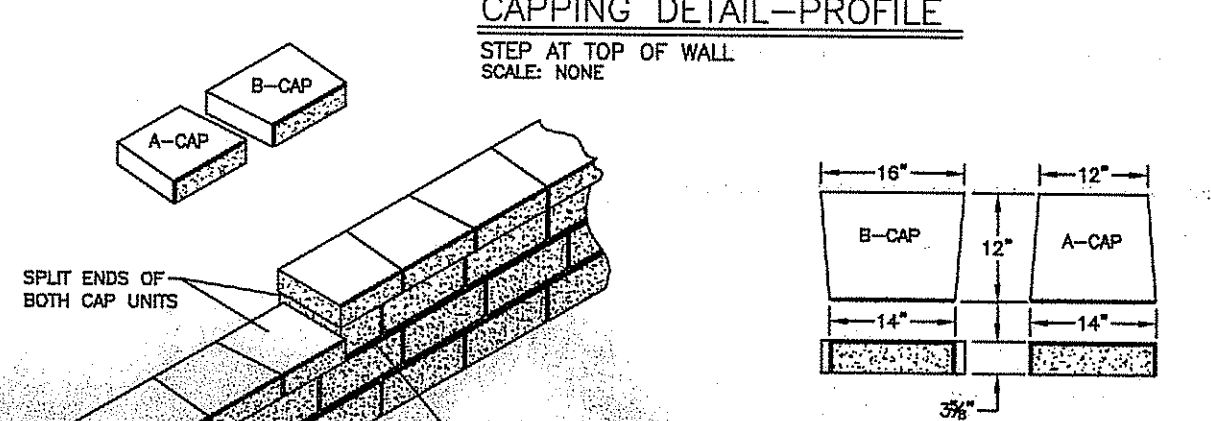
VERSALOK PIN  
PIN DIMENSIONS  
SCALE: NONE



CAPPING DETAIL—PROFILE  
STEP AT TOP OF WALL  
SCALE: NONE

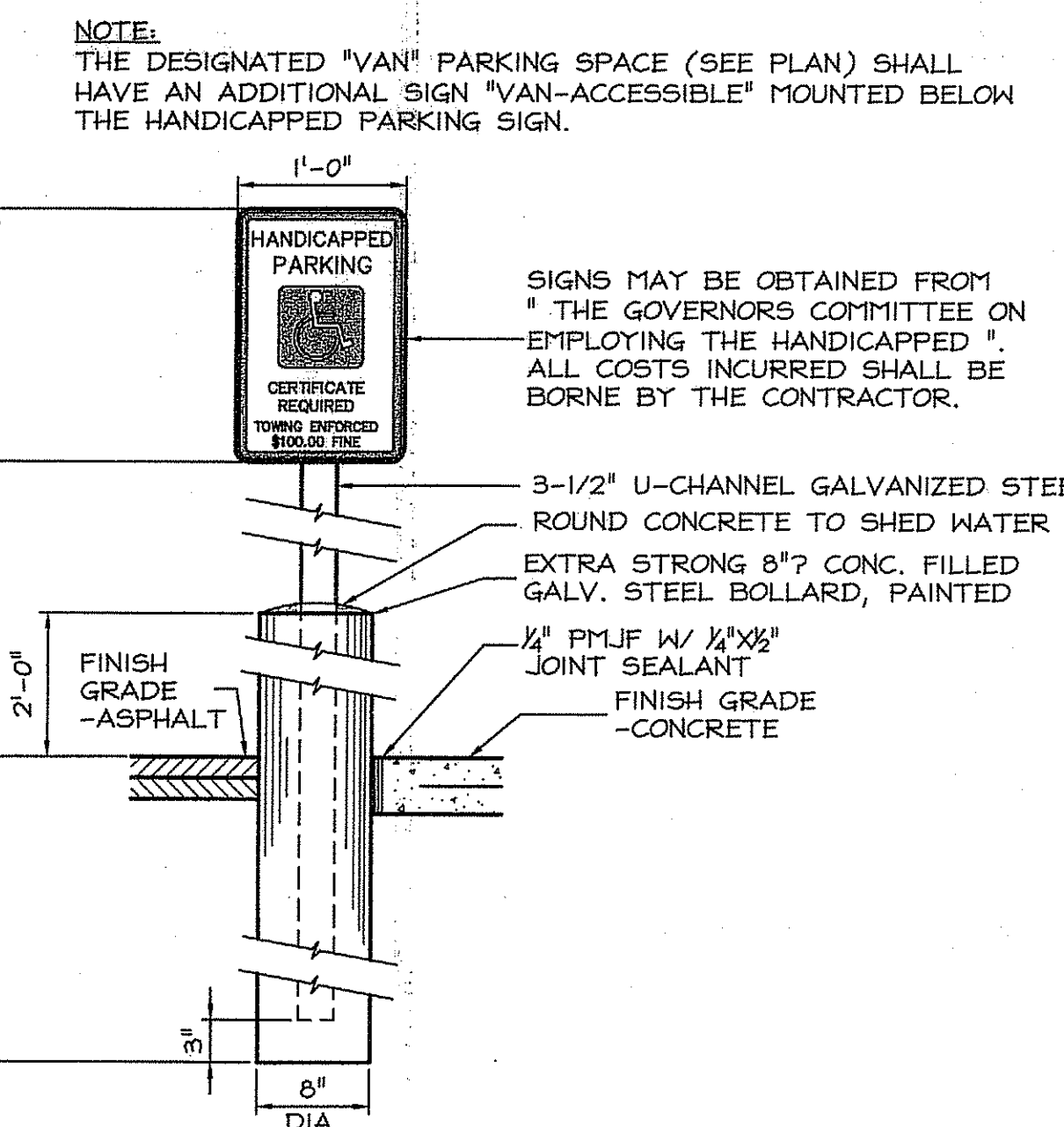


CORNER DETAIL  
OBLIQUE ANGLE—OUTSIDE  
SCALE: NONE

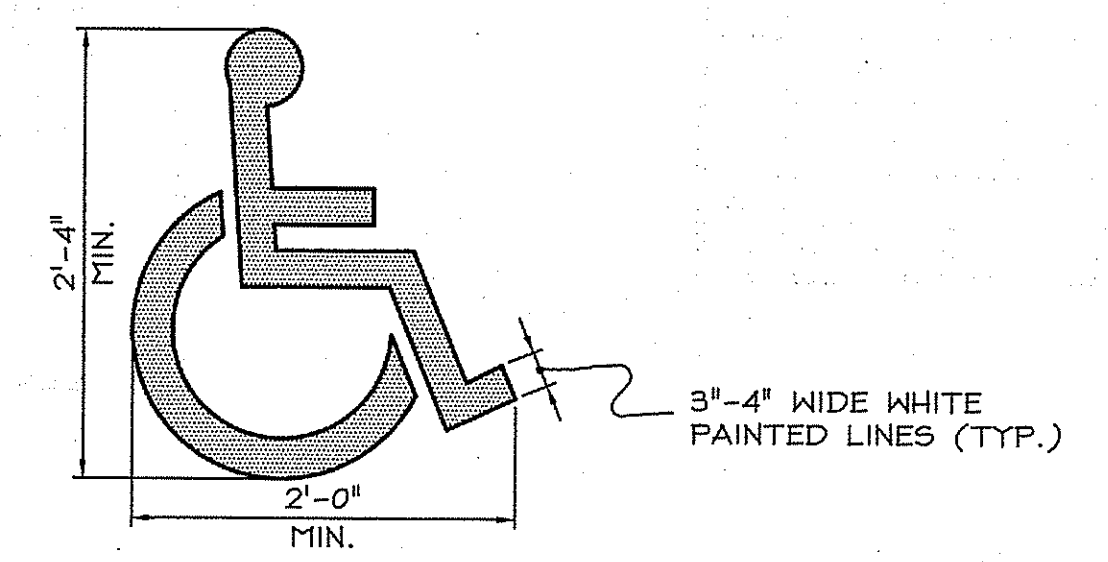


CAPPING DETAIL—PLAN VIEW  
CURVES  
SCALE: NONE

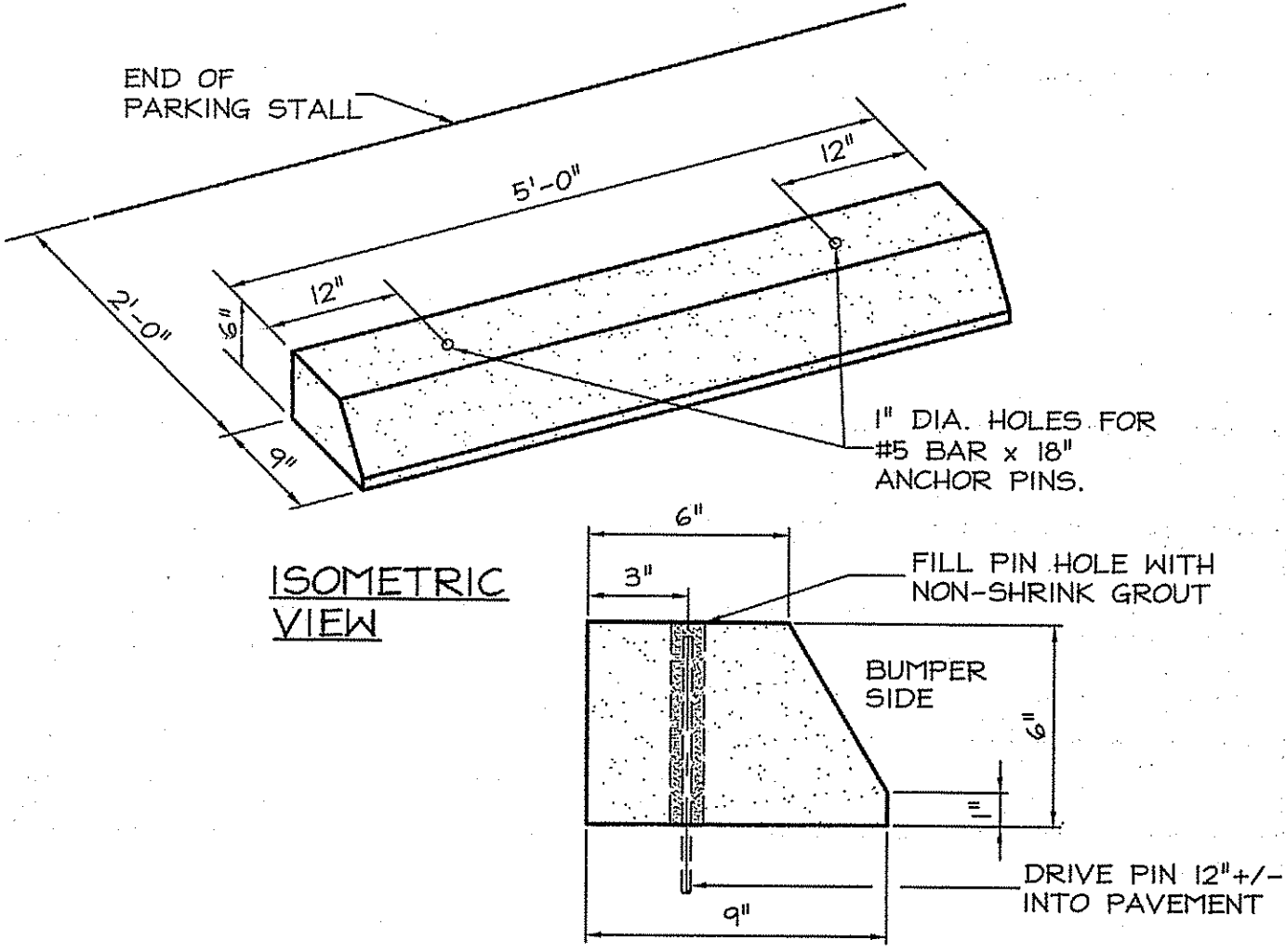
**1 VERSALOK RETAINING WALL**  
C602 NOT TO SCALE



**2 HANDICAPPED PARKING SIGN**  
C602 NOT TO SCALE



**3 HANDICAPPED SYMBOL**  
C602 NOT TO SCALE



**4 PRECAST CONCRETE BUMPER**  
C602 NOT TO SCALE

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

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED MAR 14 2011 FILE # 10-037  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

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Certification  
RUSSELL J. FEHSE  
REGISTERED PROFESSIONAL ENGINEER  
3636

12/10/10  
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Checked by RJF  
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Project

**TUCKER FIELD PHASE TWO**

2675 MENDON ROAD  
CUMBERLAND,  
RHODE ISLAND

AP 38, LOT 4

Drawing Status  
**ISSUED FOR CONSTRUCTION**

Issued On 12/10/2010

Sheet Contents  
**DETAILS**  
SCALE AS NOTED

Project Number 8862  
Drawing No. C602  
Environmental Management  
DEC 15 2010  
Office of Water Resources

ELECTRICAL SYMBOL LEGEND		
SYMBOL	DESCRIPTION	MOUNTING
	NEW APRON LIGHTING STANDARD AND METAL HALIDE LIGHTING FIXTURE; (SUBSCRIPTS: UPPER CASE LETTER "A" INDICATES FIXTURE TYPE, NUMBER "3" INDICATES CIRCUIT NUMBER, AND LOWER CASE LETTER "C" INDICATES SWITCH CONTROLLED BY).	REFER TO LIGHTING FIXTURE SCHEDULE.
	HOMERUN TO PANELBOARD (LOADCENTER); "A" INDICATES PANEL TYPE, NUMBER "1,3" INDICATES CIRCUIT NUMBERS. REFER TO "TYPICAL CIRCUITING DETAIL" ON PLANS.	
	GROUND.	

LIGHTING FIXTURE SCHEDULE									
TYPE	MANUFACTURER	CATALOG No.	MOUNTING	LAMPING			VOLTS	DESCRIPTION / REMARKS	
				TYPE	WATTAGE	QTY.			
A	STERNER	878-1000 PMH-4L-MT-C-VK	POLE	METAL HALIDE	1000	1	240	METAL HALIDE LAMP FLOODLIGHT W/FLAT CLEAR LENS AND BRONZE FINISH. PROVIDE WITH CROSSARM & BRACKETS BRACKET.	
			POLE					FLOOR LIGHT POLE APPROXIMATE HEIGHT 25'-0". FIELD VERIFY PRIOR TO PURCHASE & INSTALLATION.	

NOTES:  
 1. ALL LIGHT FIXTURES SHALL BE PROVIDED WITH LAMPS. ALL FLUORESCENT LAMPS SHALL HAVE THE SAME COLOR TEMPERATURE FROM A SINGLE LAMP MANUFACTURER.  
 2. ELECTRICAL CONTRACTOR TO ALLOW TIME FOR DIRECTIONAL ADJUSTMENT OF ALL LIGHT FIXTURES AS DIRECTED BY ARCHITECT, ENGINEER AND/OR OWNER REPRESENTATIVE.

**SHEET NOTES:**

#1 ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR TRACING AND IDENTIFYING LIGHTING CIRCUITS.

#2 CIRCUIT NUMBERS ARE FOR REFERENCE ONLY. E.C. SHALL FIELD VERIFY CIRCUIT NUMBERS AND UPDATE PANEL DIRECTORIES PER NEC-2008, ART. 408.4.

#3 MATCH EXISTING POLE HEIGHTS, LIGHTING FIXTURE BRACKETS AND HEADS TO EXISTING.

#4 FOR ACCESS TO ELECTRICAL SHED CONTACT TOWN OF CUMBERLAND DIRECTOR OF PARKS & RECREATION; MR. MICHAEL CRAWLEY (401.651.4404).

#5 CONDUIT RUNS INDICATED ARE FOR REFERENCE ONLY. COORDINATE CONDUIT INSTALLATION WITH SITE CONTRACTOR.

#6 RE-USE EXISTING CONDUITS WHERE PRACTICAL.

**TYPICAL FIRE STOPPING NOTES**

A. GENERAL: FIRE STOPPING SHALL BE PROVIDED BY THIS CONTRACTOR FOR ALL FLOOR, CEILING AND FIRE RATED WALL PENETRATIONS FOR CONDUIT, SLEEVES AND/OR CABLING AS REQUIRED BY JOB CONDITIONS.

B. THE CONTRACTOR SHALL PROVIDE A FIRE STOP SYSTEM IN ACCORDANCE WITH THE FOLLOWING:

1. THE SYSTEM SHALL CONSIST OF A WATERBASED SEALANT AND SUITABLE DAMMING MATERIALS (WHERE REQUIRED) AND BE INSTALLED PER MANUFACTURER'S REQUIREMENTS.
2. THE SEALANT SUPPLIED SHALL BE A TWO STAGED INTUMESCENT AND CAPABLE OF EXPANDING UP TO 8 TIMES ITS ORIGINAL VOLUME.
3. THE SEALANT SUPPLIED SHALL CONTAIN NO ASBESTOS, NO FIBERGLASS, AND NO SOLVENTS NOT CORROSIVE MINERAL SALTS OF ANY KIND.
4. THE SEALANT SHALL FORM A SURFACE CAPABLE OF BEING SANDED AND PAINTED TO MATCH SURROUNDING SURFACES AND SHALL BE IMPERVIOUS TO WATER WHEN DRY.
5. THE FIRE STOP SYSTEM SHALL BE TESTED TO THE TIME/TEMPERATURE REQUIREMENTS OF ASTM E119 AND SHALL BE UL1479 (ASTM E814) AND CLASSIFIED FOR UP TO 3 HOURS.
6. THE FIRE STOP SEALANT SHALL BE SPECIALLY SEALANT AS MANUFACTURED BY SPECIFIED TECHNOLOGIES, INC. OR APPROVED EQUAL.
7. SPECIAL CARE SHALL BE TAKEN WITH ELECTRICAL SYSTEMS NOT TO COMPROMISE ANY OF THE BUILDING FIRE PARTITIONS, FLOORS, WALLS OR MEMBRANES. PROVIDE ALL FIRESTOPPING REQUIRED TO COMPLY WITH THE BUILDING CODES, THE ELECTRICAL CODES AND THE LISTING OF EACH ASSEMBLY. COORDINATE LOCATIONS AND TYPES OF MEMBRANES WITH ARCHITECT.

**TYPICAL ELECTRICAL NOTES**

1. FURNISH LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR THE PROPER AND COMPLETE INSTALLATION OF ALL ELECTRIC WORK SHOWN ON THE DRAWINGS AND HEREIN SPECIFIED.
2. ALL ITEMS NOT SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS, BUT WHICH ARE NECESSARY TO MAKE A COMPLETE ELECTRICAL INSTALLATION, SHALL BE FURNISHED AND INSTALLED AS PART OF THIS PROJECT.
3. ALL ELECTRICAL INSTALLATIONS AND GROUNDING SHALL BE IN STRICT ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE LOCAL, STATE AND NATIONAL CODES.
4. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS.
5. MATERIALS AND WORKMANSHIP SHALL BE THE BEST OF THEIR RESPECTIVE KIND AND IN FULL ACCORDANCE WITH THE MOST MODERN ELECTRICAL CONSTRUCTION STANDARDS. ALL MATERIAL SHALL BE NEW, UNLESS OTHERWISE NOTED AND FREE OF ANY DEFECTS.
6. THE ELECTRICAL CONTRACTOR SHALL CLEAN AT THE END OF EACH DAY ALL AREAS WORKED IN. EMPTY BOXES, RUBBISH, AND OTHER CONSTRUCTION MATERIALS OF NO USE SHALL BE REMOVED FROM THE BUILDING.
7. ALL WORK SEQUENCES SHALL BE COORDINATED WITH THE ARCHITECT AND SHALL BE COORDINATION WITH OTHER BUILDING TRADES AND ARCHITECTS BUILDING SCHEDULES.
8. ALL BRANCH CIRCUITS RATED AT 120 VOLTS, 20 AMPERES EXCEEDING 75 FEET SHALL BE MINIMUM #10 AWG.
9. LOCATIONS OF HVAC EQUIPMENT INDICATED ON THE ELECTRICAL DRAWINGS ARE APPROXIMATE. COORDINATE EXACT LOCATIONS OF ALL HVAC EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLING ANY MATERIAL.
10. THE ELECTRICAL CONTRACTOR (E.C.) SHALL COORDINATE WITH THE LOCAL UTILITY POWER COMPANY AND PROVIDE ALL MATERIAL & LABOR REQUIRED TO COMPLY WITH THE UTILITY POWER COMPANY'S REQUIREMENTS AND STANDARDS, PRIOR TO ORDERING ANY ELECTRICAL EQUIPMENT, SUCH AS SWITCHGEAR, PANELS, TRANSFORMERS, DISCONNECT SWITCHES, TVSS, ETC. E.C. SHALL CONFIRM METERING SEQUENCE (HOT OR COLD) AND MAKE THE APPROPRIATE PROVISIONS FOR THE APPROVED METERING SEQUENCE ARRANGEMENT, A.I.C. RATINGS, GROUNDING, BONDING, CONCRETE PADS & CURBS, PROTECTIVE BOLLARDS, RACEWAYS, DUCTBANK, MANHOLES, ETC. SHALL BE IN ACCORDANCE WITH THE UTILITY COMPANY'S STANDARDS.
11. THE ELECTRICAL CONTRACTOR (E.C.) SHALL COORDINATE WITH THE LOCAL TELEPHONE COMPANY AND PROVIDE ALL MATERIAL & LABOR REQUIRED TO COMPLY WITH THE TELEPHONE COMPANY'S REQUIREMENTS AND STANDARDS, PRIOR TO ORDERING ANY ELECTRICAL EQUIPMENT, SUCH AS SWITCHGEAR, PANELS, TRANSFORMERS, DISCONNECT SWITCHES, TVSS, ETC. E.C. SHALL CONFIRM METERING SEQUENCE (HOT OR COLD) AND MAKE THE APPROPRIATE PROVISIONS FOR THE APPROVED METERING SEQUENCE ARRANGEMENT, A.I.C. RATINGS, GROUNDING, BONDING, CONCRETE PADS & CURBS, PROTECTIVE BOLLARDS, RACEWAYS, DUCTBANK, MANHOLES, ETC. SHALL BE IN ACCORDANCE WITH THE UTILITY COMPANY'S STANDARDS.
12. ALL RECEPTACLE WITH "WIP" DESIGNATION SHALL BE PROVIDED WITH A WEATHER-PROOF WHILE IN-USE ENCLOSURE. (TYPICAL)
13. ALL LIGHTING FIXTURES SHALL BE PROVIDED WITH LAMPS INSTALLED AND READY FOR OPERATION.
14. ELECTRICAL CONTRACTOR TO ALLOW TIME FOR DIRECTIONAL ADJUSTMENT OF ALL LIGHT FIXTURES AS DIRECTED BY OWNER.
15. CIRCUIT NUMBERS ARE FOR REFERENCE ONLY. E.C. SHALL FIELD VERIFY CIRCUIT NUMBERS AND UPDATE PANEL DIRECTORY PER NEC-2008, ART 408.4. PANEL DIRECTORY SHALL BE TYPED (HAND WRITTEN IS NOT ALLOWED).

**KEYED NOTES**

1. EXISTING TENNIS COURT LIGHT POLE, BASE AND DUAL LIGHT FIXTURES. (TO REMAIN)
2. EXISTING TENNIS COURT LIGHT POLE; RELOCATE LIGHTS & BRACKETS AS INDICATED IN "KEYED NOTE 3". COMPLETELY REMOVE BASE AND POLE. E.C. SHALL REMOVE CONDUCTORS & CONDUITS TO THESE POLES. CONDUCTORS SHALL BE REMOVED BACK TO SOURCE OR NEAREST JUNCTION BOX AND MADE SAFE.
3. RELOCATED TENNIS COURT LIGHTS & BRACKET. REPOSITION EXISTING DUAL FIXTURES AND BRACKET TO ACCOMMODATE RELOCATED LIGHTS & BRACKET. CIRCUIT AS INDICATED.
4. PROVIDE NEW LIGHT POLE, BASE, DUAL LIGHT FIXTURES & ASSOCIATED BRACKETS AT NLW BASKETBALL COURTS. CIRCUIT AS INDICATED.
5. EXISTING ELECTRICAL SHED & LOCATION OF PANEL "A".
6. CONDUCTORS HAVE BEEN ADJUSTED TO PROVIDE NOT MORE THAN 3% VOLTAGE DROP FROM PANEL "A" TO LIGHT FIXTURES.
7. PROVIDE HEAVY DUTY HAND HOLE AS REQUIRED.
8. PROVIDE NEW DUAL LIGHT FIXTURES & ASSOCIATED BRACKETS ONT EXISTING POLES FOR NEW BASKETBALL COURTS. CIRCUIT AS INDICATED.

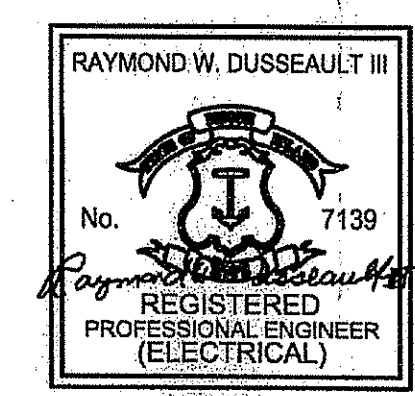
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Drawn by RWD  
 Checked by SPC  
 Revised on



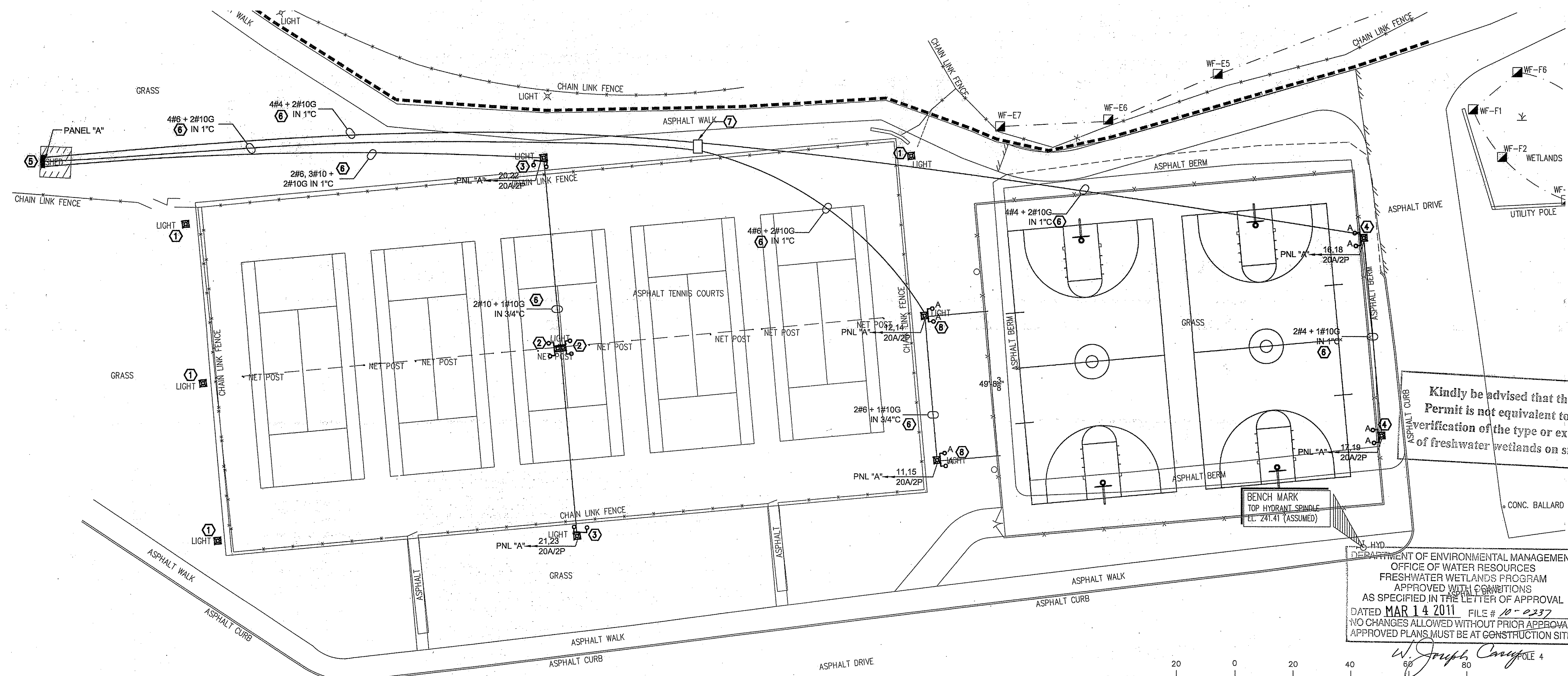
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**TUCKER FIELD PHASE TWO**

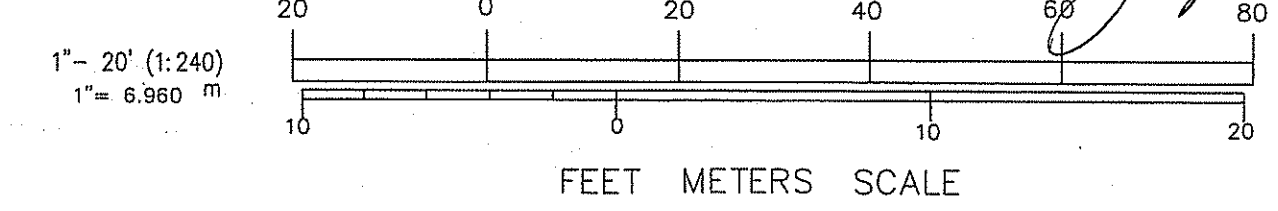
2675 MENDON ROAD  
 CUMBERLAND, RHODE ISLAND  
 AP 38, LOT 4

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



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED MAR 14 2011 FILE # 10-0237  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

W. Joseph Crawley 4



Drawing Status  
**ISSUED FOR CONSTRUCTION**

Issued On 12/10/2010

Sheet Contents  
**ELECTRICAL:**  
 SITE PLAN, LEGEND,  
 LIGHTING FIXTURE  
 SCHEDULE, NOTES &  
 DETAIL

Project Number 5952

Drawing No. **E100**

Sheet 21 of 22

Environmental Management  
 DEC 15 2010  
 Office of Water Resources

# GENERAL ELECTRICAL SPECIFICATIONS

1. FURNISH LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR THE PROPER AND COMPLETE INSTALLATION OF ALL ELECTRICAL WORK SHOWN ON THE DRAWINGS AND HEREIN SPECIFIED. REFER TO ALL DRAWINGS AND SPECIFICATIONS FOR ALL TRADES TO GAIN A FULL UNDERSTANDING OF THE SCOPE OF WORK AND FOR SPECIFIC REQUIREMENTS.

THE CONTRACT DRAWINGS ARE GENERALLY DIAGRAMMATIC AND CONVEY THE SCOPE OF WORK AND GENERAL ARRANGEMENT OF APPARATUS AND EQUIPMENT. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED AT THE PROJECT AND SHALL HAVE THE APPROVAL OF THE ARCHITECT/ENGINEER BEFORE BEING INSTALLED. THE CONTRACTOR SHALL FOLLOW THE DRAWINGS IN LAYING OUT WORK AND SHALL CHECK DRAWINGS OF THE OTHER TRADES TO VERIFY SPACES IN WHICH WORK WILL BE INSTALLED, MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS. IF DIRECTED BY THE GENERAL CONTRACTOR, ENGINEER AND/OR ARCHITECT, THE CONTRACTOR SHALL, WITHOUT EXTRA CHARGE, MAKE REASONABLE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK.

THE WORD "PROVIDE" SHALL MEAN TO FURNISH, INSTALL, CONNECT UP, COMPLETE WITH ALL ACCESSORIES READY FOR OPERATION AND WARRANTED. THE WORD "OR EQUAL" SHALL MEAN ANY EQUIPMENT OR MATERIAL SHALL BE EQUAL IN QUALITY, DURABILITY, APPEARANCE, STRENGTH, DESIGN AND PERFORMANCE TO THE EQUIPMENT OR MATERIAL ORIGINALLY SPECIFIED. THE WORD "CONDUIT" SHALL MEAN ALL CONDUIT INCLUDING FITTINGS, JOINTS, HANGERS, SUPPORTS AND GROUNDING.

2. ALL ITEMS NOT SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS, BUT WHICH ARE NECESSARY TO MAKE A COMPLETE ELECTRICAL INSTALLATION, SHALL BE FURNISHED AND INSTALLED AS PART OF THIS PROJECT.

3. ALL ELECTRICAL INSTALLATIONS AND GROUNDING SHALL BE IN STRICT ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE LOCAL, STATE AND NATIONAL CODES. THE ELECTRICAL WORK SHALL BE ACCOMPLISHED BY LICENSED ELECTRICIANS.

4. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS.

5. MATERIALS AND WORKMANSHIP SHALL BE THE BEST OF THEIR RESPECTIVE KIND AND IN FULL ACCORDANCE WITH THE MOST MODERN ELECTRICAL CONSTRUCTION STANDARDS. ALL MATERIAL SHALL BE NEW, UNLESS OTHERWISE NOTED AND FREE OF ANY DEFECTS.

6. THE ELECTRICAL CONTRACTOR SHALL CLEAN AT THE END OF EACH DAY ALL AREAS WORKED IN. EMPTY BOXES, RUBBISH, AND OTHER CONSTRUCTION MATERIALS OF NO USE SHALL BE REMOVED FROM THE BUILDING.

7. ALL WORK SEQUENCES SHALL BE COORDINATED WITH THE ARCHITECT AND SHALL BE COORDINATION WITH OTHER BUILDING TRADES AND ARCHITECTS BUILDING SCHEDULES.

8. ALL BRANCH CIRCUITS RATED AT 120 VOLTS, 20 AMPERES EXCEEDING 75 FEET SHALL BE MINIMUM #10 AWG.

9. ALL EQUIPMENT AND INSTALLATION OF ELECTRICAL EQUIPMENT SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE.

10. FURNISH AND INSTALL TEMPORARY POWER AS REQUIRED TO OPERATE TOOLS AND LIGHTING. PROVIDE PANELS AND LIGHTING FIXTURES FOR CONSTRUCTION AS NEEDED.

11. THE ELECTRICAL CONTRACTOR (E.C.) SHALL INSPECT THE SITE, PRIOR TO SUBMITTING HIS BID, AND SHALL INVESTIGATE ALL CONDITIONS UNDER WHICH THIS WORK SHALL BE PERFORMED. FAILURE TO INSPECT EXISTING CONDITIONS OR TO FULLY UNDERSTAND THE WORK WHICH REQUIRED SHALL NOT EXCUSE THE E.C. FROM HIS OBLIGATIONS TO SUPPLY AND INSTALL THE WORK IN ACCORDANCE WITH THE SPECIFICATIONS AND THE DRAWINGS AND UNDER ALL SITE CONDITIONS AS THEY EXIST.

12. THE PLANS DEPICT THE LOCATION OF ALL FIXTURE AND EQUIPMENT AND ARE INTENDED TO INDICATE THE GENERAL SCOPE OF WORK, LAYOUT AND QUALITY OF WORKMANSHIP. THEY ARE NOT INTENDED FOR THE PURPOSE OF EXECUTION OF THE WORK, BUT THE CONTRACTOR SHALL UNDERSTAND THAT SUCH DETAILS ARE PART OF THE WORK. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO SEE THAT ALL ELECTRICAL EQUIPMENT SUCH AS JUNCTION AND PULL BOXES, PANELBOARDS AND SUCH OTHER APPARATUS AS MAY REQUIRE MAINTENANCE AND OPERATION FROM TIME TO TIME IS MADE ACCESSIBLE. ALTHOUGH THE EQUIPMENT MAY BE SHOWN ON THE DRAWINGS IN CERTAIN LOCATIONS, THE CONSTRUCTION MAY DISCLOSE THE FACT THAT SUCH LOCATIONS DO MAKE ITS POSITION UNACCESSIBLE. IN SUCH CASES THIS CONTRACTOR SHALL CALL THE ATTENTION OF THE GENERAL CONTRACTOR AND ARCHITECT TO THE CONDITION BEFORE ADVANCING THE CONSTRUCTION TO A STATE WHERE A CHANGE WILL REFLECT ADDITIONAL EXPENSE TO THE OWNER.

13. THE ELECTRICAL CONTRACTOR SHALL CAREFULLY VERIFY ALL MEASUREMENTS AT THE SITE AND DETERMINE THE EXACT LOCATION OF ALL CHASES AND OPENINGS REQUIRED BY THIS WORK AND SHALL PROVIDE ALL SLEEVES, INSERTS, AND HANGERS REQUIRED.

14. BRANCH CIRCUITS ADDED TO ANY EXISTING PANELBOARDS SHALL ALSO INCLUDE THE CIRCUIT BREAKER DIRECTORY TO BE UPDATED. IF NO DIRECTORY EXISTS THAN ONE SHALL BE PROVIDED INDICATING THE NEW CIRCUITS ADDED.

15. WIRE AND CABLE SHALL BE INSULATED FOR 600VOLTS, RATED AT 75°C MINIMUM AND UL LISTED FOR BUILDING WIRE USE. TYPE THHN/THWN INSULATION FOR FEEDERS AND BRANCH CIRCUITS #14 AWG AND SMALLER. TYPE XHHW INSULATION FOR FEEDERS AND BRANCH CIRCUITS LARGER THAN #14 AWG. WIRE SIZE SHALL BE A MINIMUM OF #12 AWG SOLID. ALL CONDUCTORS SHALL BE COPPER. ALL WIRING SHALL BE CONCEALED AND INSTALLED IN RACEWAY. RACEWAYS SHALL BE E.M.T. WITH STEEL SET SCREW FITTINGS. METAL-CLAD CABLE TYPE MC CABLE MAY BE USED IN AREAS WHERE APPROVED BY THE LOCAL WIRING INSPECTOR.

IN GENERAL, NO SPLICES OR JOINTS SHALL BE PERMITTED IN EITHER FEEDERS OR BRANCHES EXCEPT AT OUTLETS OR ACCESSIBLE JUNCTION BOXES. SPLICES IN WIRE #10 AWG AND SMALLER SHALL BE PITTAIL TYPE, MADE MECHANICALLY TIGHT. MAKE SPLICES, TAPS, AND TERMINATIONS TO CARRY FULL AMPACITY OF CONDUCTORS WITH NO PERCEPTIBLE TEMPERATURE RISE. USE SPLIT BOLT CONNECTORS FOR COPPER CONDUCTOR SPLICES AND TAPS, 8 AWG AND LARGER. TAPE UNINSULATED CONDUCTORS AND CONNECTOR WITH ELECTRICAL TAPE TO 150 PERCENT OF INSULATION RATING OF CONDUCTOR. USE SOLDERLESS PRESSURE CONNECTORS WITH INSULATING COVERS FOR COPPER CONDUCTOR SPLICES AND TAPS, 8 AWG AND SMALLER. USE INSULATED SPRING WIRE CONNECTORS WITH PLASTIC CAPS FOR COPPER CONDUCTOR SPLICES AND TAPS, 10 AWG AND SMALLER.

16. (NOT USED)

17. LIGHTING FIXTURES SHALL BE SUPPORTED INDEPENDENTLY FROM THE STRUCTURE OF THE BUILDING. THE CEILING SHALL NOT BE THE SOLE SUPPORT FOR THE LIGHTING FIXTURES. ALL LIGHTING FIXTURES SHALL BE PROVIDED WITH LAMPS INSTALLED. ALL BALLASTS SHALL BE HIGH POWER FACTOR, CLASS "A" SOUND RATED WITH FUSING OR THERMAL PROTECTION. NEW LAMPS SHALL HAVE THE SAME COLOR TEMPERATURE AS EXISTING LAMPS WITHIN THE SAME AREA.

18. (NOT USED)

19. OUTLET BOXES SHALL BE GALVANIZED STEEL, OF THE TYPE REQUIRED FOR THE PARTICULAR APPLICATION, AND SIZED TO ACCOMMODATE THE NUMBER OF CONDUCTORS TO BE INSTALLED PER CODE.

20. (NOT USED)

21. ADDITIONAL JUNCTION BOXES BEYOND THOSE SHOWN ON THE DRAWINGS SHALL BE PROVIDED AS NECESSARY FOR ALL ELECTRICAL INSTALLATIONS. INSTALL PULL BOXES AND JUNCTION BOXES ABOVE ACCESSIBLE CEILING AND IN UNFINISHED AREAS ONLY. INACCESSIBLE CEILING AREAS: INSTALL OUTLET AND JUNCTION BOXES NO MORE THAN 6 INCHES FROM CEILING ACCESS PANEL OR FROM REMOVABLE RECESSED LUMINAIRE. INSTALL BOXES TO PRESERVE FIRE RESISTANCE RATING OF PARTITIONS AND OTHER ELEMENTS, USING MATERIALS AND METHODS SPECIFIED. COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF OUTLETS MOUNTED ABOVE COUNTERS, BENCHES, AND BACKSPASHES. LOCATE OUTLET BOXES TO ALLOW LUMINAIRES POSITIONED AS SHOWN ON REFLECTED CEILING PLAN. ALIGN ADJACENT WALL MOUNTED OUTLET BOXES FOR SWITCHES, THERMOSTATS, AND SIMILAR DEVICES. USE FLUSH MOUNTING OUTLET BOX IN FINISHED AREAS. DO NOT INSTALL FLUSH MOUNTING BOX BACK-TO-BACK IN WALLS; PROVIDE MINIMUM 6 INCHES SEPARATION. PROVIDE MINIMUM 24 INCHES SEPARATION IN ACOUSTIC RATED WALLS. SECURE FLUSH MOUNTING BOX TO INTERIOR WALL AND PARTITION STUDS. ACCURATELY POSITION TO ALLOW FOR SURFACE FINISH THICKNESS. USE STAMPED STEEL BRIDGES TO FASTEN FLUSH MOUNTING OUTLET BOX BETWEEN STUDS. INSTALL FLUSH MOUNTING BOX WITHOUT DAMAGING WALL INSULATION OR REDUCING ITS EFFECTIVENESS. USE ADJUSTABLE STEEL CHANNEL FASTENERS FOR HUNG CEILING OUTLET BOX. SUPPORT BOXES INDEPENDENTLY OF CONDUIT.

22. ALL CUTTING, PATCHING AND FIRESTOPPING FOR ELECTRICAL INSTALLATIONS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

23. PROVIDE CONDUIT SLEEVES FILLED WITH AN APPROVED FIRE RESISTANT MATERIAL WHERE FIRE RATED WALLS, FLOORS OR CEILINGS ARE PENETRATED. APPROVED WATERTIGHT CONDUIT SLEEVES SHALL BE PROVIDED WHERE WALLS ARE PENETRATED EITHER ENTERING OR LEAVING THE BUILDING.

24. RECEPTACLES, LIGHT FIXTURES, AND POWER ITEMS BRANCH CIRCUIT WIRING MAY NOT BE SHOWN BUT SHALL BE PROVIDED AS REQUIRED. MINIMUM WIRING SHALL BE #12 PLUS #12GROUND IN 3/4". NO MORE THAN THREE PHASES MAY BE COMBINED IN A SINGLE HOMERUN AND EACH PHASE SHALL BE PROVIDED WITH AN INDIVIDUAL NEUTRAL.

ALL CONDUITS SHALL CONTAIN A GREEN SAFETY GROUND WIRE. BOND ALL PANELS, CABINETS, ENCLOSURES, CONDUITS, ETC., AS REQUIRED PER CODE. MINIMUM SIZE CONDUIT SHALL BE 3/4 INCH, UNLESS OTHERWISE SPECIFIED. UNDERGROUND INSTALLATIONS SHALL BE AS FOLLOWS: MORE THAN FIVE FEET FROM FOUNDATION WALL USE METAL CLAD (MC) CABLE CONCRETE ENCASED. WITHIN FIVE FEET FROM FOUNDATION WALL USE RIGID STEEL CONDUIT CONCRETE ENCASED. IN OR UNDER SLAB ON GRADE USE PLASTIC COATED CONDUIT. OUTDOOR LOCATIONS, ABOVE GRADE USE RIGID STEEL CONDUIT. IN SLAB ABOVE GRADE USE RIGID STEEL CONDUIT WITH A MAXIMUM SIZE CONDUIT IN SLAB OF 1/2 INCH; 3/4 INCH FOR CONDUITS CROSSING EACH OTHER. WET AND DAMP LOCATIONS USE RIGID ALUMINUM CONDUIT. DRY LOCATIONS CONCEALED AND IN CABLE TRAY USE METAL CLAD (MC) CABLE (ONLY WHERE ACCEPTABLE TO THE LOCAL AUTHORITY HAVING JURISDICTION). EXPOSED (UNFINISHED AREAS OR UTILITY SPACES) USE ELECTRICAL METALLIC TUBING.

INSTALL CONDUIT IN ACCORDANCE WITH NECA "STANDARD OF INSTALLATION." SUPPORT CONDUIT USING COATED STEEL OR MALLEABLE IRON STRAPS, LAY-IN ADJUSTABLE HANGERS, CLEVIS HANGERS, AND SPLIT HANGERS. FASTEN CONDUIT SUPPORTS TO BUILDING STRUCTURE AND SURFACES UNDER PROVISIONS OF DIVISION 1. ROUTE EXPOSED CONDUIT PARALLEL AND PERPENDICULAR TO WALLS. ROUTE CONDUIT IN AND UNDER SLAB FROM POINT-TO-POINT. BRING CONDUIT TO SHOULDER OF FITTINGS; FASTEN SECURELY. INSTALL NO MORE THAN EQUIVALENT OF THREE 90-DEGREE BENDS BETWEEN BOXES. USE CONDUIT BODIES TO MAKE SHARP CHANGES IN DIRECTION, AS AROUND BEAMS. USE HYDRAULIC ONE-SHOT BENDER TO FABRICATE OR FACTORY ELBOWS FOR BENDS IN METAL CONDUIT LARGER THAN 1/2 INCH (50 MM) SIZE. PROVIDE SUITABLE FITTINGS TO ACCOMMODATE EXPANSION AND DEFLECTION WHERE CONDUIT CROSSES SEISMIC, CONTROL AND EXPANSION JOINTS. PROVIDE SUITABLE PULL STRING IN EACH EMPTY CONDUIT EXCEPT SLEEVES AND NIPPLES.

TO PREVENT TRANSMITTAL OF VIBRATION TO CONDUIT, CONNECTIONS TO ANY VIBRATION PRODUCING EQUIPMENT (I.E. TRANSFORMERS, MOTORS, FANS, HVAC EQUIPMENT, ETC.) SHALL BE TERMINATED BY 18 INCHES OF FLEXIBLE LIQUID-TIGHT METAL CONDUIT.

25. PROVIDE ANCHORS, FASTENERS, AND SUPPORTS IN ACCORDANCE WITH NECA "STANDARD OF INSTALLATION". DO NOT FASTEN SUPPORTS TO PIPES, DUCTS, MECHANICAL EQUIPMENT, AND CONDUIT. DO NOT USE SPRING STEEL CLIPS AND CLAMPS. DO NOT USE POWDER-ACTUATED ANCHORS. DO NOT DRILL OR CUT STRUCTURAL MEMBERS. FABRICATE SUPPORTS FROM STRUCTURAL STEEL OR STEEL CHANNEL. RIGIDLY WELD MEMBERS OR USE HEXAGON HEAD BOLTS TO PRESENT NEAT APPEARANCE WITH ADEQUATE STRENGTH AND RIGIDITY. USE SPRING LOCK WASHERS UNDER ALL NUTS. INSTALL SURFACE-MOUNTED CABINETS AND PANELBOARDS WITH MINIMUM OF FOUR ANCHORS. IN WET AND DAMP LOCATIONS USE STEEL CHANNEL SUPPORTS TO STAND CABINETS AND PANELBOARDS ONE INCH OFF WALL. USE SHEET METAL CHANNEL TO BRIDGE STUDS ABOVE AND BELOW CABINETS AND PANELBOARDS RECESSED IN HOLLOW PARTITIONS. ALL SUPPORTS AND ANCHORS SHALL BE DESIGNED AND INSTALLED PER REQUIREMENTS FOR THE SEISMIC CLASSIFICATIONS AS OUTLINED IN THE APPLICABLE BUILDING CODE. SITE LOCATION AND PREVAILING ORIENTATION SHALL BE TAKEN INTO ACCOUNT IN THE DESIGN.

26. PROVIDE ENCLOSED DISCONNECT SWITCHES AS INDICATED ON THE PLANS. FUSIBLE SWITCH ASSEMBLIES SHALL BE NEMA KS 1, TYPE GD WITH EXTERNALLY OPERABLE HANDLE INTERLOCKED TO PREVENT OPENING FRONT COVER WITH SWITCH IN ON POSITION, ENCLOSED LOAD INTERRUPTER KNIFE SWITCH. HANDLE LOCKABLE IN OFF POSITION. FUSE CLIPS SHALL BE DESIGNED TO ACCOMMODATE NEMA FU1, CLASS R FUSES. NONFUSIBLE SWITCH ASSEMBLIES SHALL NEMA KS 1, TYPE GD WITH EXTERNALLY OPERABLE HANDLE INTERLOCKED TO PREVENT OPENING FRONT COVER WITH SWITCH IN ON POSITION ENCLOSED LOAD INTERRUPTER KNIFE SWITCH. HANDLE LOCKABLE IN OFF POSITION. ENCLOSURES SHALL BE NEMA KS 1. USE NEMA 1 IN INTERIOR DRY LOCATIONS AND NEMA 3R FOR EXTERIOR LOCATIONS. INSTALL IN ACCORDANCE WITH NECA "STANDARD OF INSTALLATION."

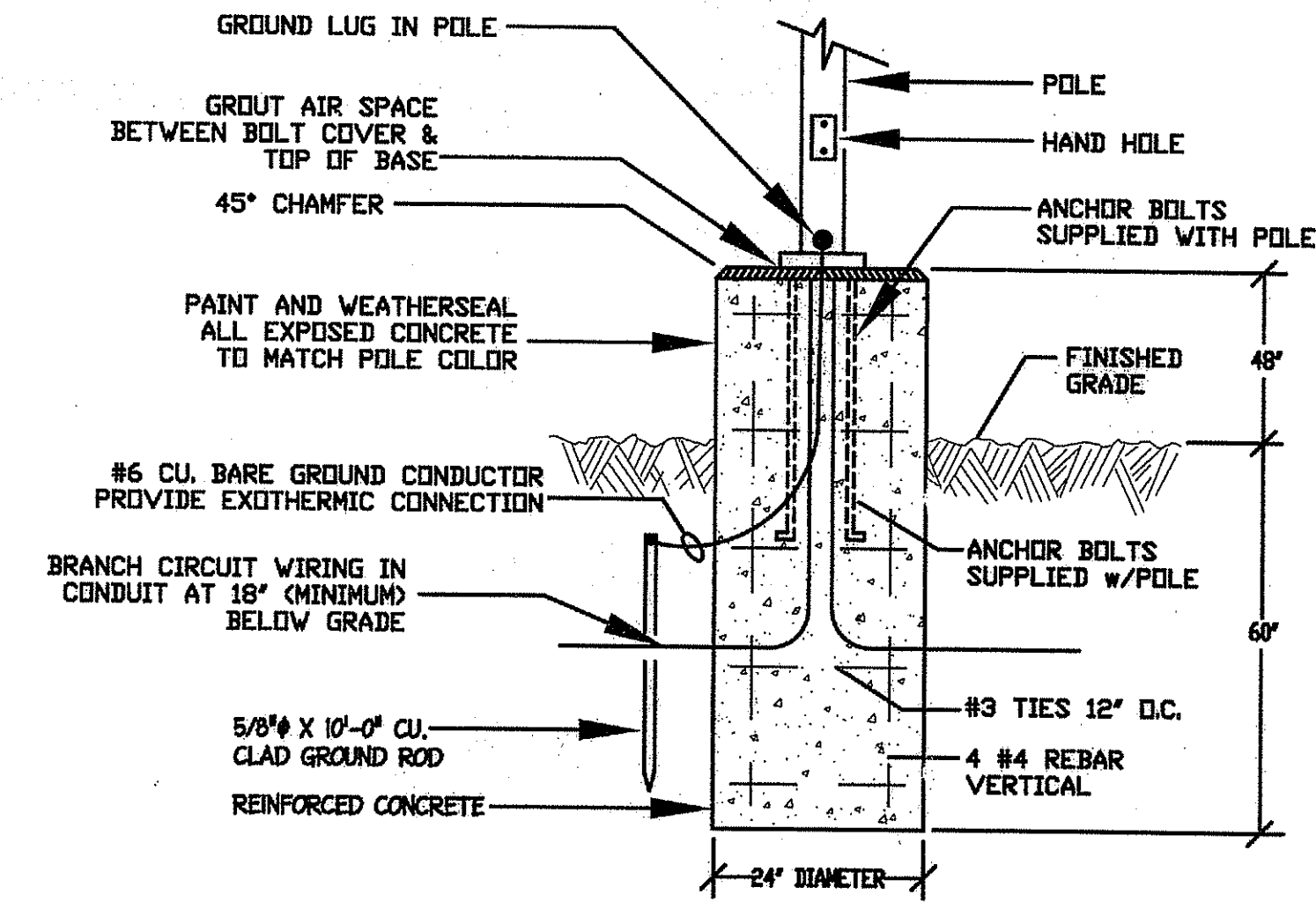
27. SUBMIT SIX (6) COPIES FOR REVIEW AND APPROVAL OF THE FOLLOWING SHOP DRAWINGS: LIGHTING FIXTURES, PANELBOARDS, TRANSFORMERS, WIRING DEVICES, RACEWAY, FIRE ALARM SYSTEM AND BUILDING WIRE & CABLE.

THE APPROVAL OF THE EQUIPMENT DOES NOT RELIEVE THE SUBCONTRACTOR OF RESPONSIBILITY OF SHOP DRAWING ERRORS RELATED TO DETAILS, SIZES, QUANTITIES, WIRING DIAGRAM ARRANGEMENTS AND DIMENSIONS WHICH DEVIATE FROM THE SPECIFICATIONS, AND/OR JOB CONDITIONS AS THEY EXIST.

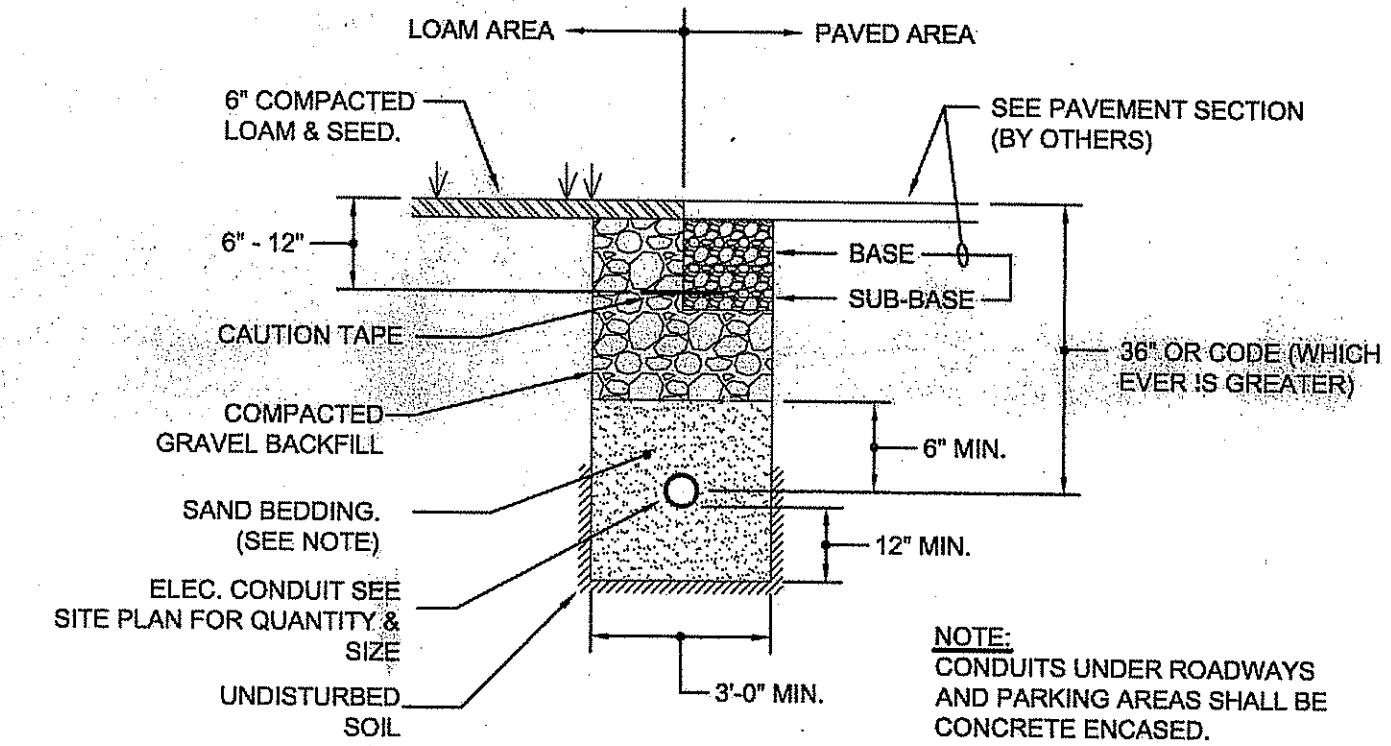
REFER TO GENERAL REQUIREMENTS FOR THE SUBSTITUTIONS OF EQUIPMENT AND SUBMITTAL OF SHOP DRAWINGS. IF APPARATUS OR MATERIALS ARE SUBSTITUTED FOR THOSE SPECIFIED, AND SUCH SUBSTITUTION NECESSITATES CHANGES IN, OR ADDITIONAL CONNECTIONS, WIRING & CONDUIT, SUPPORTS, ADDITIONAL SPACE REQUIREMENTS, OR CONSTRUCTION, SAME SHALL BE PROVIDED. ELECTRICAL SUBCONTRACTOR TO ASSUME COST AND ENTIRE RESPONSIBILITY THEREOF.

28. E.C. SHALL BE RESPONSIBLE FOR CREATING COORDINATION DRAWINGS FOR THE PURPOSE OF COORDINATING WITH OTHER TRADES WHERE ELECTRICAL EQUIPMENT, CONDUIT, WIRING, JUNCTION BOXES, ETC., CROSS OR CONNECT TO OTHER TRADES EQUIPMENT, PIPING, ETC., OR WHERE ELECTRICAL EQUIPMENT OR FIXTURES ARE SHOWN WHERE OTHER TRADES EQUIPMENT OR FIXTURES ARE SHOWN.

29. E.C. SHALL PRODUCE AS-BUILT DRAWINGS SHOWING EXACT ROUTING OF ALL CONDUITS LARGER THAN 3/4" AND EQUIPMENT THAT IT SERVES. ALL JUNCTION AND PULL BOXES LARGER THAN 4" X 4" SHALL BE SHOWN IN THEIR EXACT LOCATION. ALL CIRCUIT NUMBERS FOR DEVICES AND FIXTURES SHALL BE SHOWN.

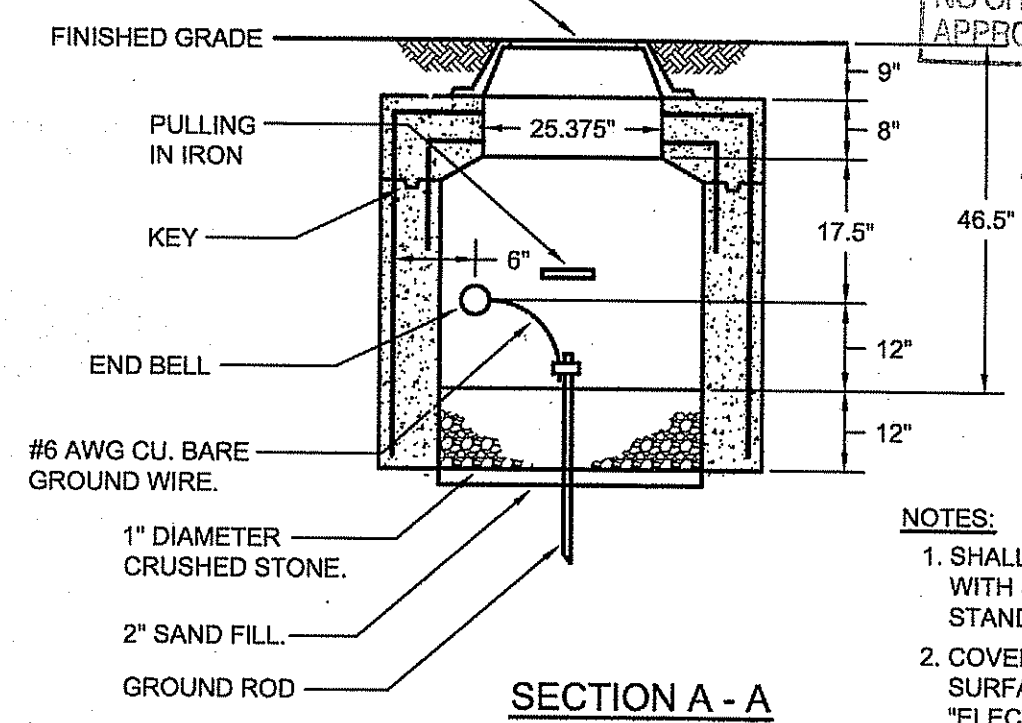
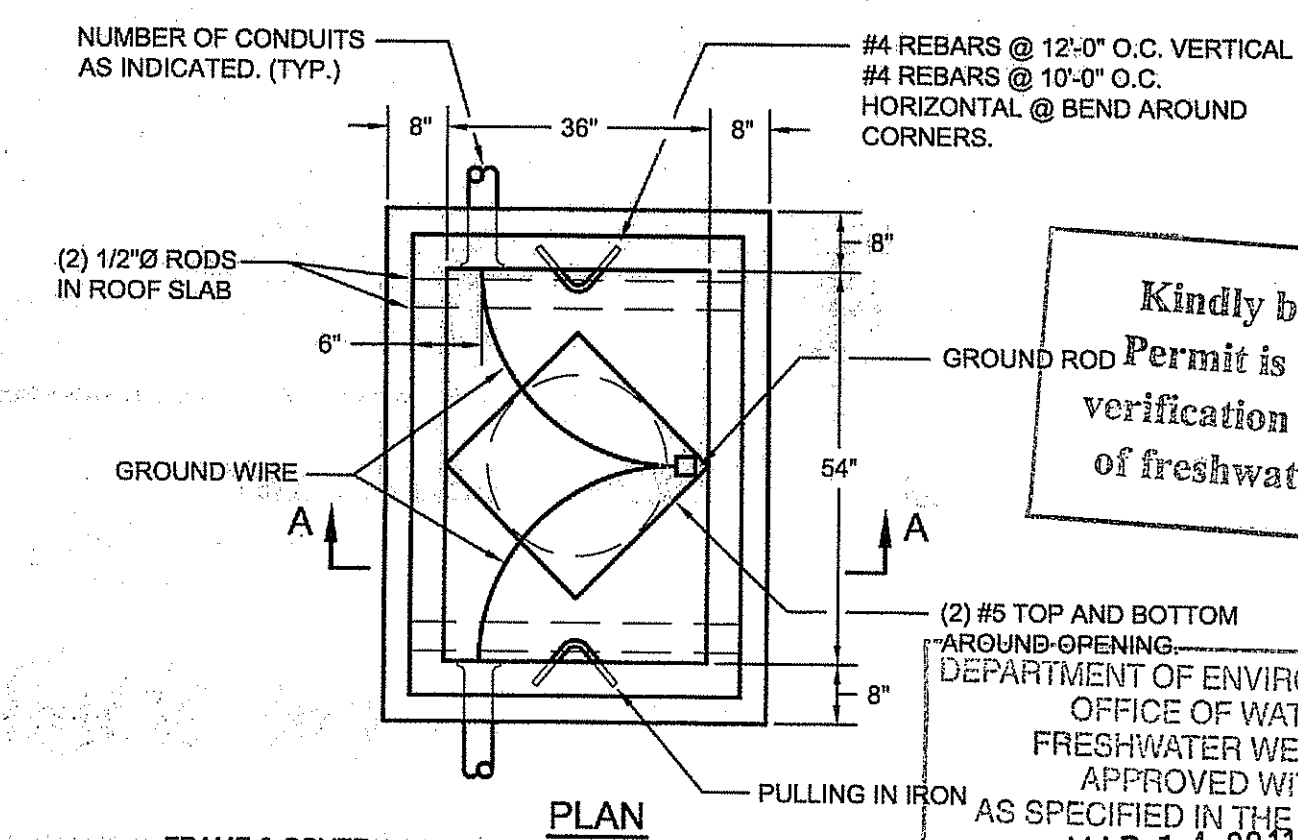


TYPICAL POLE BASE DETAIL  
NOT TO SCALE



SECTION A - A  
NOT TO SCALE

LIGHTING CONDUIT TRENCH DETAIL  
NOT TO SCALE



HEAVY DUTY TYPE "H" HANDHOLE  
NOT TO SCALE

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

2675 MENDON ROAD  
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ELECTRICAL: SPECIFICATIONS & DETAILS

Project Number. 5952

Drawing No. E200

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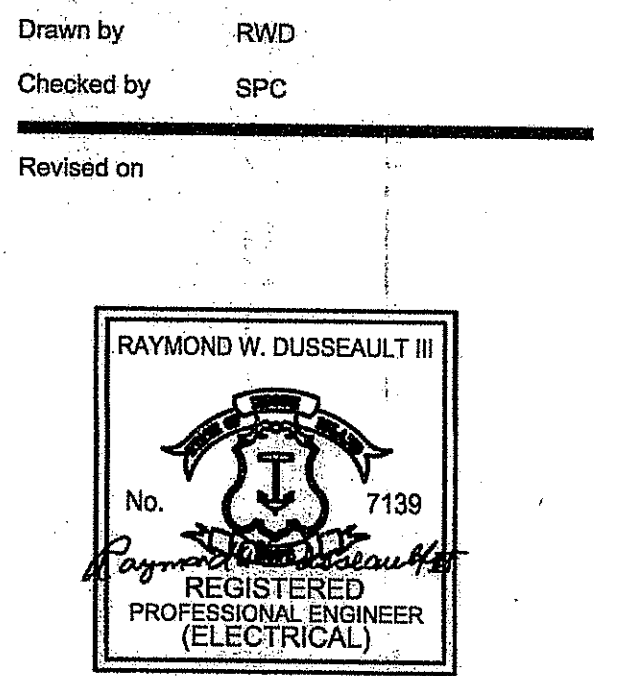
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Certification

Drawn by RWD  
Checked by SPC  
Revised on



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