

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED JUN 23 2011 FILE # 08-0268  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

*Christopher Wenzel*

**Weston & Sampson**  
 Weston & Sampson  
 100 Foxborough Blvd.,  
 S.250 Foxborough, MA  
 02095 weston@sampson.com

No.	Date	Dr. By	Chk. By	App. By
A P P R O V E D				
DATE: 6-17-11				

LAURENCE F. KEEGAN, JR.  
 NO. 7220  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL

**PERMITTING DOCUMENTS 04-16-10**

Town of South Kingstown, Rhode Island  
 Department of Parks and Recreation  
 Village Green Improvements, Peace Date

JUNE 10, 2011  
 MODIFIED GRADING & DRAINAGE PLAN

SCALE: 1" = 10'

FILE NO. 2080039-GD

CONTRACT: 2080039

DR. BY: SBL/AMM

CHK. BY: MSM

APP. BY: LFK/ERB

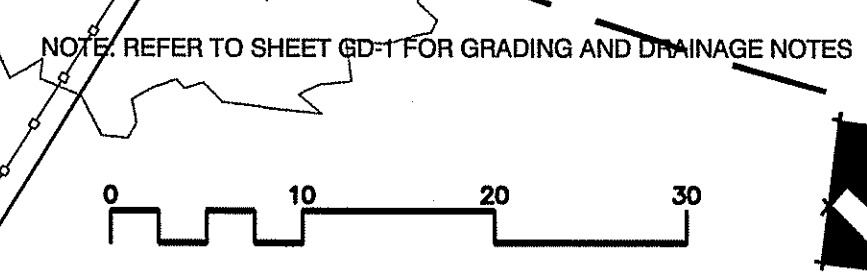
DATE: JULY 17 2011

Office of Water Resources

**SK-2**

SHEET 11 OF 17

PERMITTING DOCUMENTS 04-16-10



NOTE: REFER TO SHEET GD-1 FOR GRADING AND DRAINAGE NOTES



# Town of South Kingstown, Rhode Island Parks and Recreation Department

## Permitting Documents

# VILLAGE GREEN IMPROVEMENTS PEACE DALE

FILE PATH: F:\South Kingstown RIVillage Green 2080039\CADART\DESIGN\Wetland Permitting re-sub 04-10\DWG\ DWG NAME: 2080039-COVER VILLAGE GREEN.dwg DATE: 04/16/2010 TIME: 2:12 PM

PROJECT NUMBER: 2080039 SOUTH KINGSTOWN - VILLAGE GREEN IMPROVEMENTS

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
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DATED JUN - 9 2010 FILE # 28-2268  
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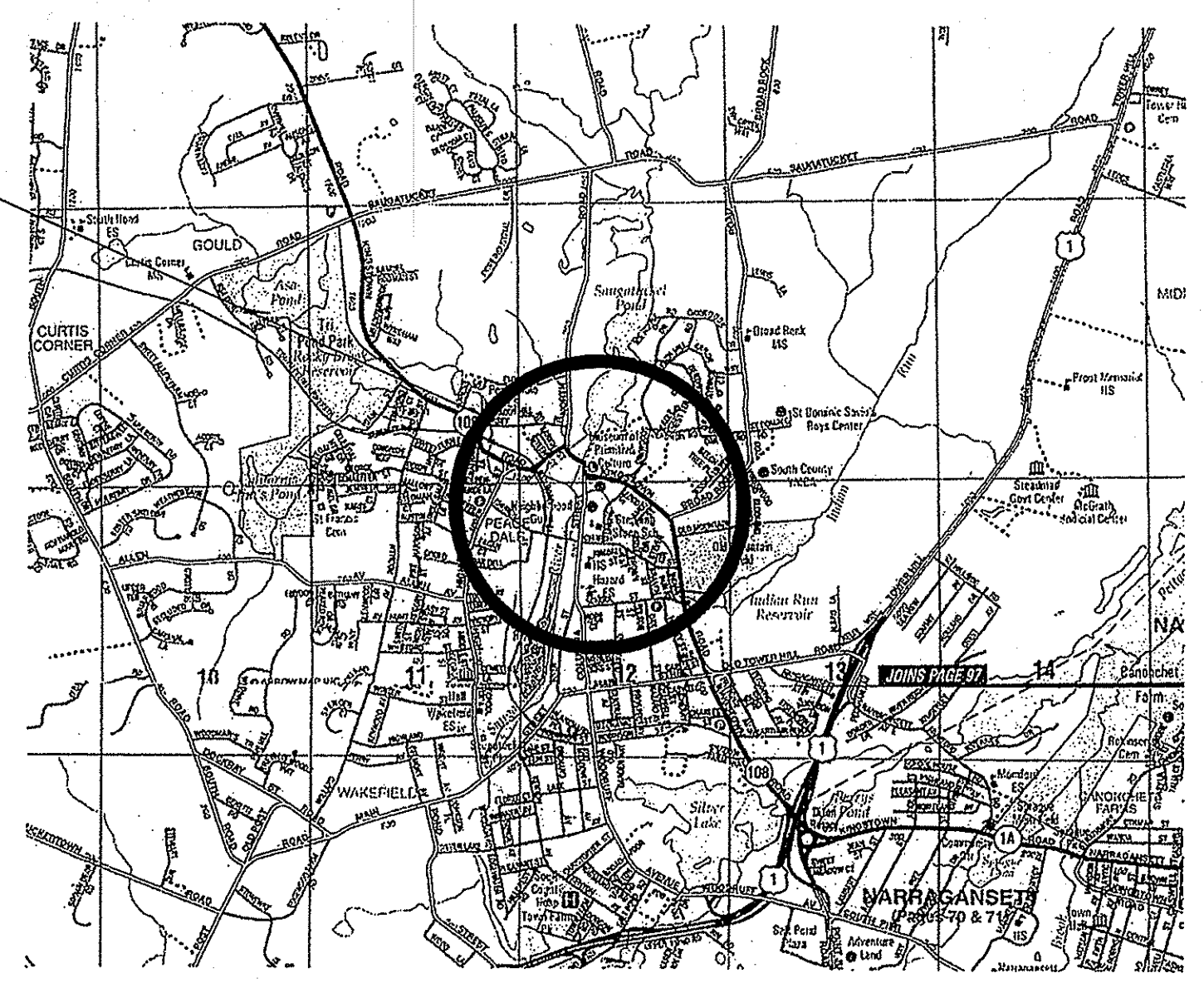
*W. Joseph Casey*

STEPHEN A. ALFRED, TOWN MANAGER  
Andrew E. Nota, Director of Administrative Services  
Theresa Murphy, Director of Leisure Services

### INDEX OF DRAWINGS:

C-1	TITLE SHEET
EX-0 TO EX-2	EXISTING CONDITIONS PLANS
SP-1 & SP-2	SITE PREPARATION & DEMOLITION PLAN
LM-0 TO LM-2	LAYOUT & MATERIALS PLANS
GD-1 & GD-2	GRADING & DRAINAGE PLANS
D-1 & D-2	SITE CONSTRUCTION DETAILS
E-1	ELECTRICAL PLAN
S-1	EXISTING PEDESTRIAN BRIDGE
S-2	PROPOSED PEDESTRIAN BRIDGE AND ABUTMENTS
I-1	IRRIGATION PLAN

PROJECT SITE



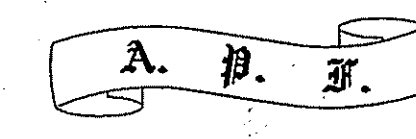
LOCATION PLAN

Plans Prepared By:  
**Weston & Sampson**



Weston & Sampson  
100 Foxborough Blvd., S.250, Foxborough, MA

Electrical Engineering By:

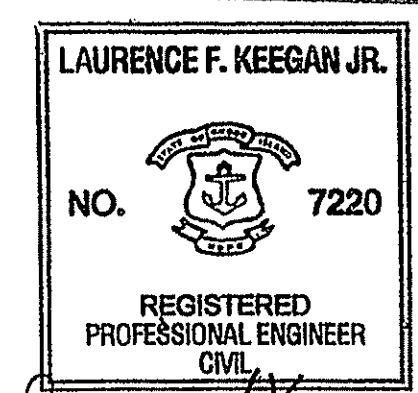


**Antonio P. Franco & Associates**  
Engineering Consultants

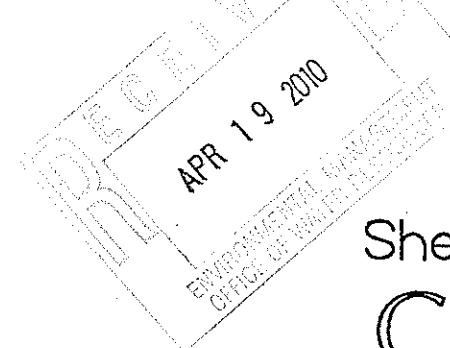
ELECTRICAL, ENERGY CONSERVATION, LIGHTING

17 SUSAN DRIVE  
CUMBERLAND, R.I. 02864  
TEL. (401) 334-3400  
FAX (401) 334-9357

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



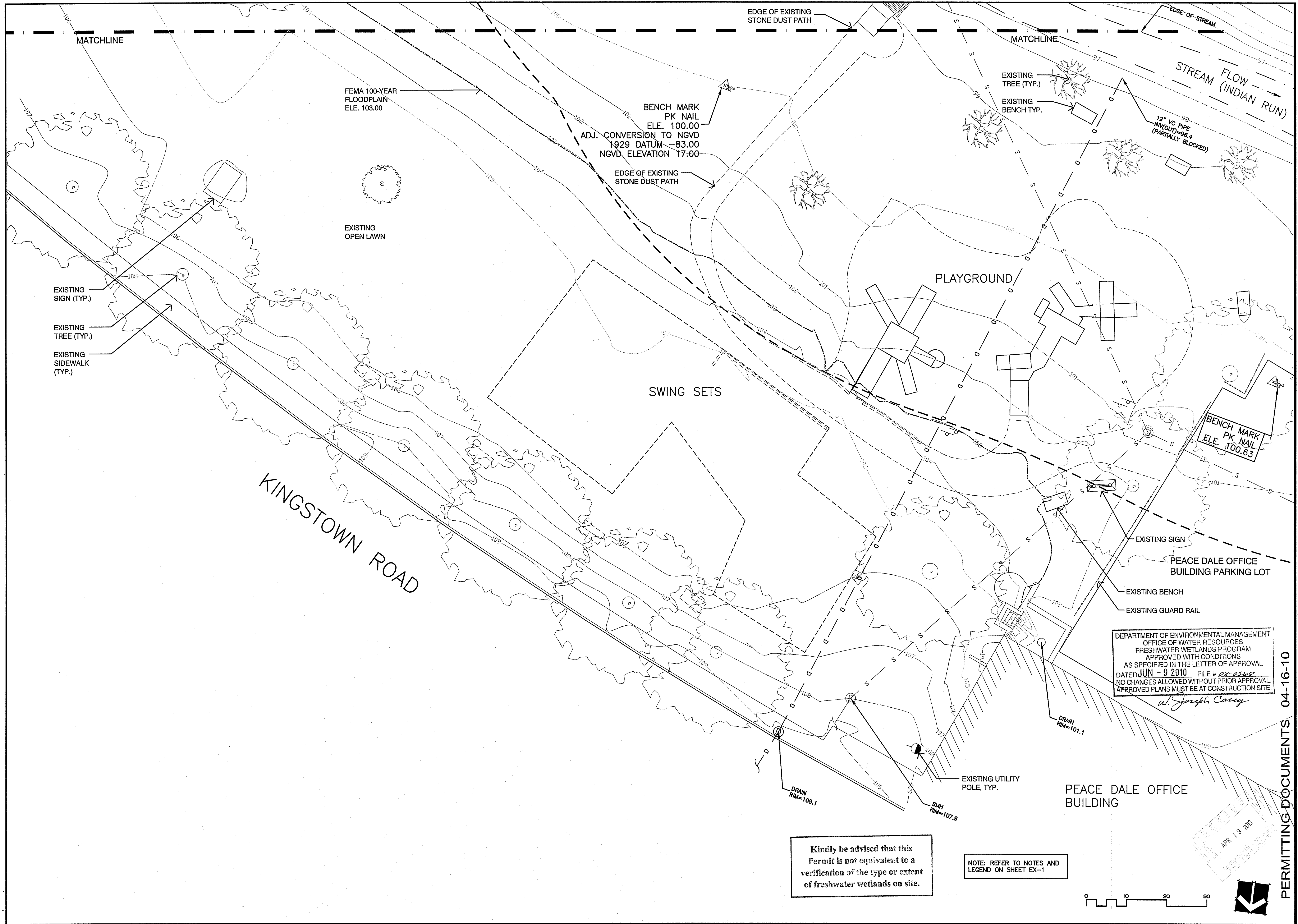
*Laurence F. Keegan Jr.*  
4-16-10  
CIVIL ONLY



Sheet:  
**C-1**





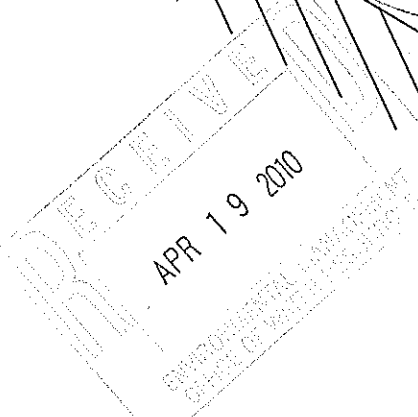


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NOTE: REFER TO NOTES AND LEGEND ON SHEET EX-1

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*W. Joseph Conroy*



PERMITTING DOCUMENTS 04-16-10

**Weston & Sampson**  
 Weston & Sampson  
 100 Foxborough Blvd., S.250  
 Foxborough, MA 02035  
 www.westonandsampson.com

No.	Date	Dr. By	Ch. By	App. By	DATE
A P P R O V E D					
REGISTERED PROFESSIONAL ENGINEER					

Town of South Kingstown, Rhode Island  
 Department of Parks and Recreation  
 Village Green Improvements, Peace Dale

EXISTING CONDITIONS PLAN

DR. BY: [ ] CHK. BY: [ ] APP. BY: [ ]  
 DESIGNED BY: [ ]  
 SELO/AMM: [ ] MSW: [ ] LFK: [ ] ERB: [ ]

JOB NO. 2080039  
 CONTRACT: [ ]  
 SCALE: 1" = 10'

CAUD NO. 2480039-EX-SP  
 FILE NO. [ ]

EX-2  
 SHEET 4 OF 17

### CONSTRUCTION ACCESS/MATERIALS & EQUIPMENT STORAGE

- CONSTRUCTION ACCESS TO THE PROJECT SITE SHALL BE LIMITED TO AN ENTRANCE DESIGNATED BY THE OWNER.
- THE STORAGE OF MATERIALS AND EQUIPMENT WILL BE PERMITTED AT LOCATIONS DESIGNATED BY OWNER OR OWNER'S REPRESENTATIVE. PROTECTION OF STORED MATERIALS AND EQUIPMENT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. STORAGE AREAS SHALL BE RESTORED TO ORIGINAL CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.

### UTILITY NOTES

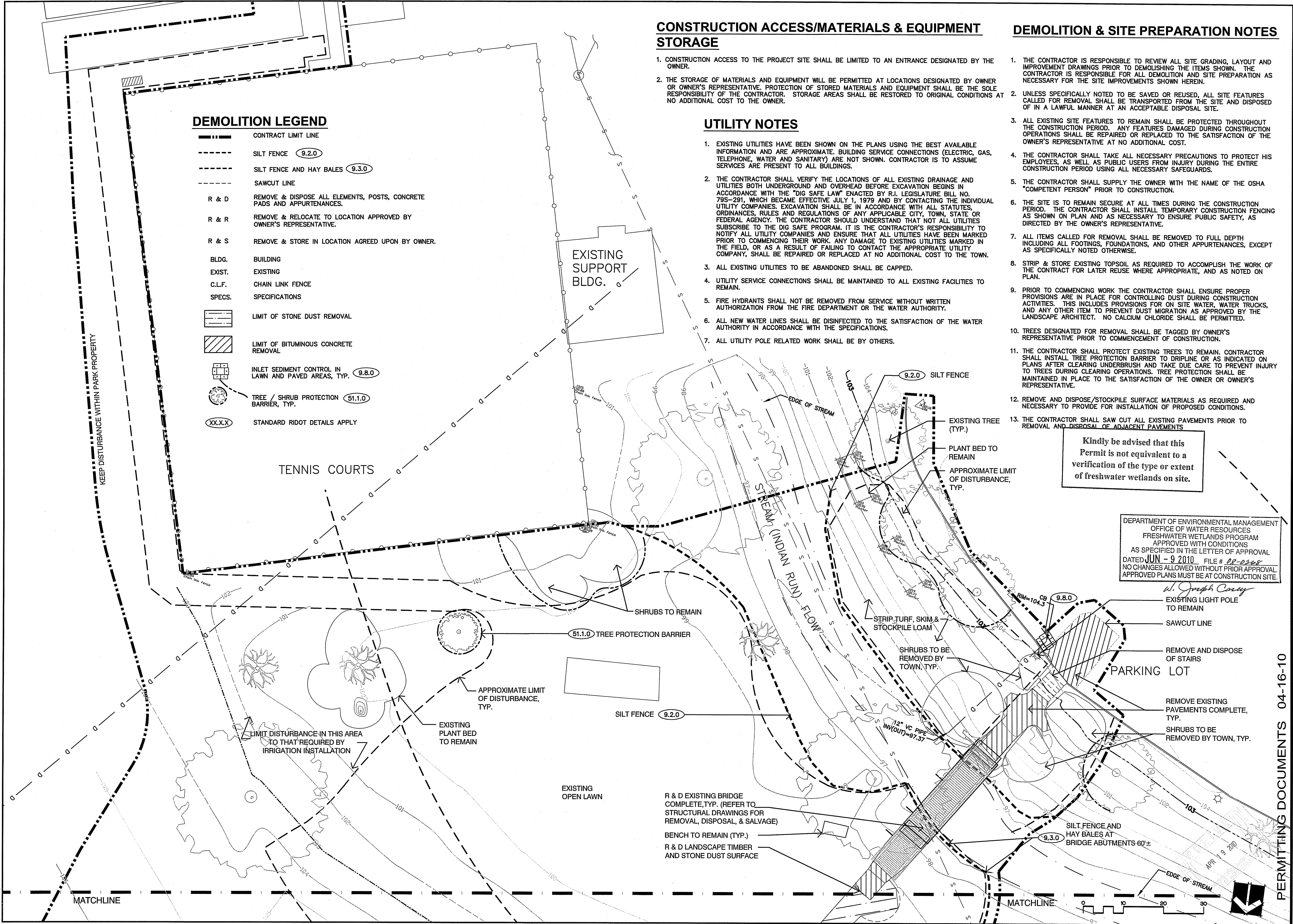
- EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. BUILDING SERVICE CONNECTIONS (ELECTRIC, GAS, TELEPHONE, WATER AND SANITARY) ARE NOT SHOWN. CONTRACTOR IS TO ASSUME SERVICES ARE PRESENT TO ALL BUILDINGS.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE AND UTILITIES BOTH UNDERGROUND AND OVERHEAD BEFORE EXCAVATION BEGINS IN ACCORDANCE WITH THE "DIG SAFE LAW" ENACTED BY R.I. LEGISLATURE BILL NO. 79S-291, WHICH BECAME EFFECTIVE JULY 1, 1979 AND BY CONTACTING THE INDIVIDUAL UTILITY COMPANIES. EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY APPLICABLE CITY, TOWN, STATE OR FEDERAL AGENCY. THE CONTRACTOR SHOULD UNDERSTAND THAT NOT ALL UTILITIES SUBSCRIBE TO THE DIG SAFE PROGRAM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES AND ENSURE THAT ALL UTILITIES HAVE BEEN MARKED PRIOR TO COMMENCING THEIR WORK. ANY DAMAGE TO EXISTING UTILITIES MARKED IN THE FIELD, OR AS A RESULT OF FAILING TO CONTACT THE APPROPRIATE UTILITY COMPANY, SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE TOWN.
- ALL EXISTING UTILITIES TO BE ABANDONED SHALL BE CAPPED.
- UTILITY SERVICE CONNECTIONS SHALL BE MAINTAINED TO ALL EXISTING FACILITIES TO REMAIN.
- FIRE HYDRANTS SHALL NOT BE REMOVED FROM SERVICE WITHOUT WRITTEN AUTHORIZATION FROM THE FIRE DEPARTMENT OR THE WATER AUTHORITY.
- ALL NEW WATER LINES SHALL BE DISINFECTED TO THE SATISFACTION OF THE WATER AUTHORITY IN ACCORDANCE WITH THE SPECIFICATIONS.
- ALL UTILITY POLE RELATED WORK SHALL BE BY OTHERS.

### DEMOLITION & SITE PREPARATION NOTES

- THE CONTRACTOR IS RESPONSIBLE TO REVIEW ALL SITE GRADING, LAYOUT AND IMPROVEMENT DRAWINGS PRIOR TO DEMOLISHING THE ITEMS SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND SITE PREPARATION AS NECESSARY FOR THE SITE IMPROVEMENTS SHOWN HEREIN.
- UNLESS SPECIFICALLY NOTED TO BE SAVED OR REUSED, ALL SITE FEATURES CALLED FOR REMOVAL SHALL BE TRANSPORTED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER AT AN ACCEPTABLE DISPOSAL SITE.
- ALL EXISTING SITE FEATURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PERIOD. ANY FEATURES DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT HIS EMPLOYEES, AS WELL AS PUBLIC USERS FROM INJURY DURING THE ENTIRE CONSTRUCTION PERIOD USING ALL NECESSARY SAFEGUARDS.
- THE CONTRACTOR SHALL SUPPLY THE OWNER WITH THE NAME OF THE OSHA "COMPETENT PERSON" PRIOR TO CONSTRUCTION.
- THE SITE IS TO REMAIN SECURE AT ALL TIMES DURING THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION FENCING AS SHOWN ON PLAN AND AS NECESSARY TO ENSURE PUBLIC SAFETY, AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- ALL ITEMS CALLED FOR REMOVAL SHALL BE REMOVED TO FULL DEPTH INCLUDING ALL FOOTINGS, FOUNDATIONS, AND OTHER APPURTENANCES, EXCEPT AS SPECIFICALLY NOTED OTHERWISE.
- STRIP & STORE EXISTING TOPSOIL AS REQUIRED TO ACCOMPLISH THE WORK OF THE CONTRACT FOR LATER REUSE WHERE APPROPRIATE, AND AS NOTED ON PLAN.
- PRIOR TO COMMENCING WORK THE CONTRACTOR SHALL ENSURE PROPER PROVISIONS ARE IN PLACE FOR CONTROLLING DUST DURING CONSTRUCTION ACTIVITIES. THIS INCLUDES PROVISIONS FOR ON SITE WATER, WATER TRUCKS, AND ANY OTHER ITEM TO PREVENT DUST MIGRATION AS APPROVED BY THE LANDSCAPE ARCHITECT. NO CALCIUM CHLORIDE SHALL BE PERMITTED.
- TREES DESIGNATED FOR REMOVAL SHALL BE TAGGED BY OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- THE CONTRACTOR SHALL PROTECT EXISTING TREES TO REMAIN. CONTRACTOR SHALL INSTALL TREE PROTECTION BARRIER TO DIAPHRANE OR AS INDICATED ON PLANS AFTER CLEARING UNDERBRUSH AND TAKE DUE CARE TO PREVENT INJURY TO TREES DURING CLEARING OPERATIONS. TREE PROTECTION SHALL BE MAINTAINED IN PLACE TO THE SATISFACTION OF THE OWNER OR OWNER'S REPRESENTATIVE.
- REMOVE AND DISPOSE/STOCKPILE SURFACE MATERIALS AS REQUIRED AND NECESSARY TO PROVIDE FOR INSTALLATION OF PROPOSED CONDITIONS.
- THE CONTRACTOR SHALL SAW CUT ALL EXISTING PAVEMENTS PRIOR TO REMOVAL AND DISPOSAL OF ADJACENT PAVEMENTS.

### DEMOLITION LEGEND

- CONTRACT LIMIT LINE
- - - SILT FENCE (9.2.0)
- - - SILT FENCE AND HAY BALES (9.3.0)
- - - SAWCUT LINE
- R & D REMOVE & DISPOSE ALL ELEMENTS, POSTS, CONCRETE PADS AND APPURTENANCES.
- R & R REMOVE & RELOCATE TO LOCATION APPROVED BY OWNER'S REPRESENTATIVE.
- R & S REMOVE & STORE IN LOCATION AGREED UPON BY OWNER.
- BLDG. BUILDING
- EXIST. EXISTING
- C.L.F. CHAIN LINK FENCE
- SPECS. SPECIFICATIONS
- [Hatched Box] LIMIT OF STONE DUST REMOVAL
- [Hatched Box] LIMIT OF BITUMINOUS CONCRETE REMOVAL
- [Grid Box] INLET SEDIMENT CONTROL IN LAWN AND PAVED AREAS, TYP. (9.8.0)
- [Tree Symbol] TREE / SHRUB PROTECTION BARRIER, TYP. (51.1.0)
- [XX.X.X] STANDARD RIDOT DETAILS APPLY



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OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JUN - 9 2010 FILE # 02-0108  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
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*St. Joseph Conroy*  
TO REMAIN

PERMITTING DOCUMENTS 04-16-10

Weston & Sampson  
100 Foxborough Blvd. S.250  
Foxborough, MA 02035  
www.westonsampson.com

REGISTERED PROFESSIONAL ENGINEER

No.	Date	Dr. By	Ch. By	App. By	A	P	R	O	V	E	D	DATE

Town of South Kingstown, Rhode Island  
Department of Parks and Recreation  
Village Green Improvements, Peace Dale

SCALE: 1" = 10'

CONTRACT: 2080039

DR. BY: MSB/MM

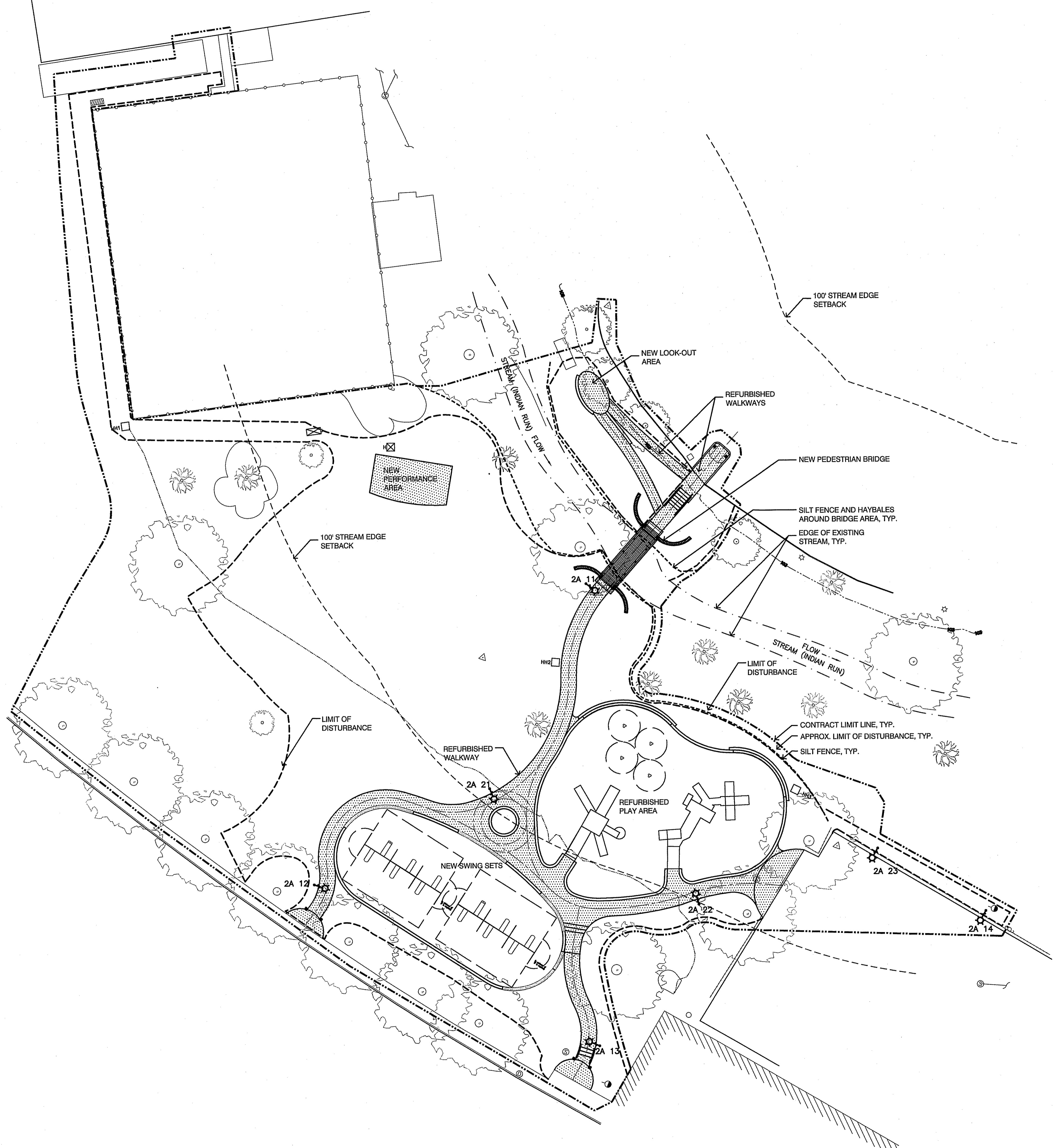
CHK. BY: LFK

APP. BY: ERB

FILE NO. 2080039-EX-SP

SP-1





**LAYOUT AND MATERIALS NOTES**

- LICENSED PROFESSIONAL SURVEYOR (L.P.S.) SHALL ESTABLISH STATION LAYOUT LINE 'A' IN THE FIELD
- GENERAL LAYOUT INFORMATION IS SHOWN, ADDITIONAL LAYOUT INFORMATION WILL BE PROVIDED PRIOR TO CONSTRUCTION. ELECTRONIC FILES WILL BE MADE AVAILABLE TO THE CONTRACTOR FOR LAYOUT PURPOSES.
- REFER TO EXISTING CONDITIONS AND DEMOLITION PLAN FOR GENERAL NOTES AND SURVEY LEGEND. SEE GRADING AND UTILITIES PLAN FOR UTILITIES LEGEND.
- COORDINATE ALL LAYOUT ACTIVITIES WITH THE SCOPE OF WORK CALLED FOR BY DEMOLITION, GRADING AND UTILITIES PLANS ENCOMPASSED BY THIS CONTRACT. SET, PROTECT AND REPLACE REFERENCE STAKES AS NECESSARY OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- ALL LAYOUT LINES, OFFSETS, OR REFERENCES TO LOCATING OBJECTS ARE EITHER PARALLEL OR PERPENDICULAR UNLESS OTHERWISE DESIGNATED WITH ANGLE OFFSETS NOTED.
- ALL PROPOSED SITE FEATURES SHALL BE LAID OUT AND STAKED FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE. ANY REQUIRED ADJUSTMENTS TO THE LAYOUT SHALL BE UNDERTAKEN AS DIRECTED AT NO ADDITIONAL COST TO THE OWNER.
- ALL PROPOSED PAVEMENTS SHALL MEET THE LINE AND GRADE OF EXISTING ADJACENT PAVEMENT SURFACES AT SAWCUT EDGE.
- STAKE ALL PROPOSED TREE PLANTINGS FOR REVIEW AND POTENTIAL ADJUSTMENT BY THE OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL KEEP WORK INSIDE THE LIMIT OF DISTURBANCE LINE. ANY DISTURBANCE OUTSIDE THE LIMIT OF DISTURBANCE IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED TO THE EXTENT NECESSARY TO ASSURE THAT AREAS ARE AS THEY WERE OR BETTER THEN BEFORE THE START OF CONSTRUCTION.

**LAYOUT AND MATERIALS LEGEND**

- CONTRACT LIMIT LINE
- APPROXIMATE LIMIT OF DISTURBANCE
- SILT FENCE AND HAY BALES (9.3.0)
- CONCRETE PAVING
- MORTARED GRANITE WALL
- NEW LIGHT POLE (TYP.)
- ELECTRICAL HANDHOLES AND CABINETS (SEE ELECTRICAL PLANS.)

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 DATED JUN - 9 2010 FILE # 20-0368  
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*W. Joseph Conroy*



PERMITTING DOCUMENTS 04-16-10

FILE PATH: F:\South Kingston RI\Village Green 20080039\CAD\ART\DESIGN\Virtual Permits\DWG\_20080039-Land DATE: 08/19/2008 TIME: 10:16 PM

Town of South Kingston, Rhode Island  
 Department of Parks and Recreation  
 Village Green Improvements, Peace Dale

**LAYOUT & MATERIALS PLAN**

FILE NO.	2080039-LY	SCALE:	1" = 20'	CONTRACT:	20800039	DR.BY:	BSLO/MMM	CHK.BY:	MSM	APP.BY:	LFK	ERB
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**Weston & Sampson**  
 Weston & Sampson  
 100 Foxborough Blvd., S.250  
 Foxborough, MA 01938  
 www.westonandsampson.com


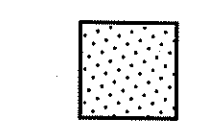

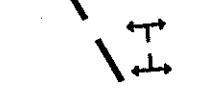
No.	Date	Dr.By	Chk.By	App.By	DATE

REGISTERED PROFESSIONAL ENGINEER

**LAYOUT AND MATERIALS NOTES**

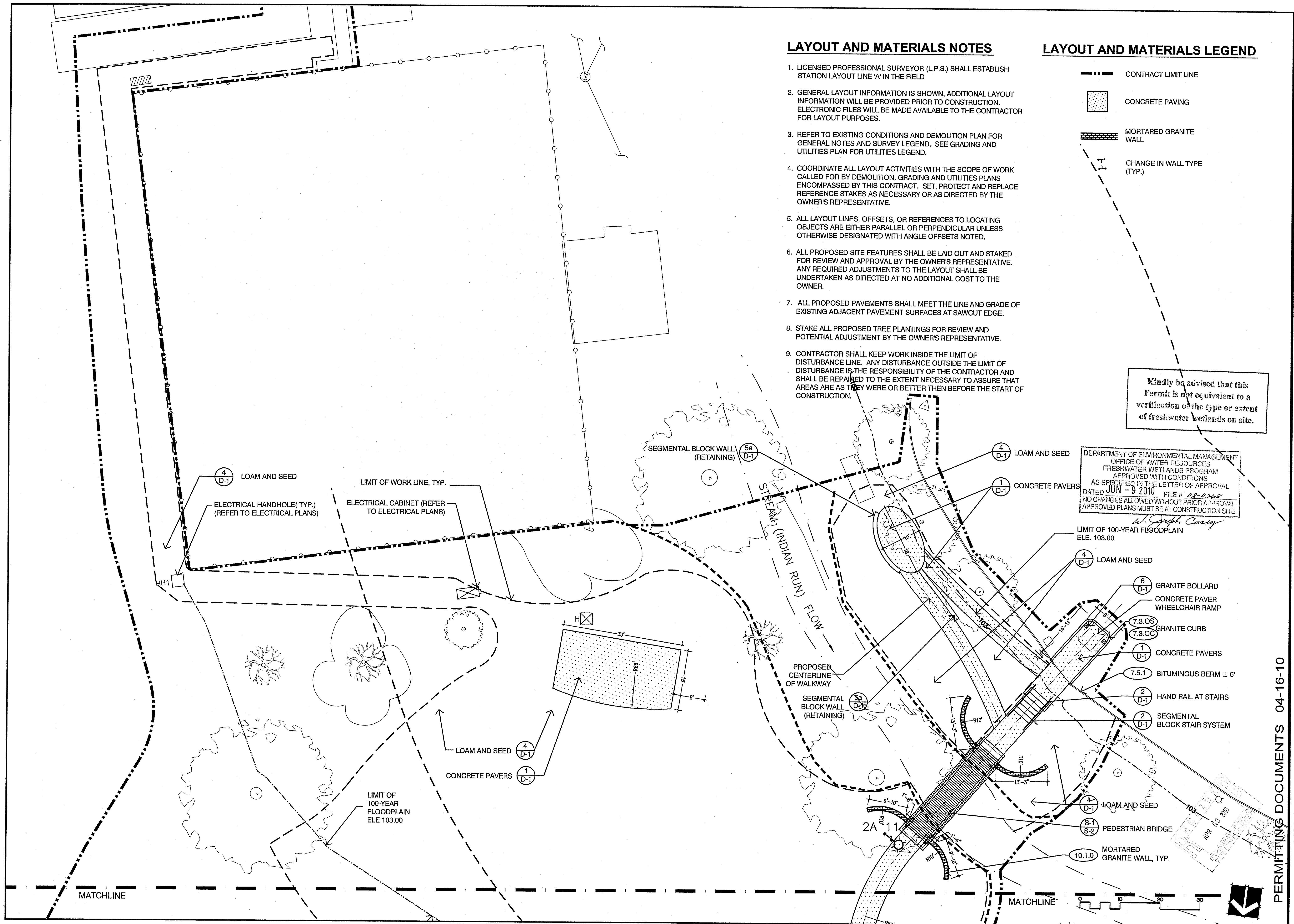
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- STAKE ALL PROPOSED TREE PLANTINGS FOR REVIEW AND POTENTIAL ADJUSTMENT BY THE OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL KEEP WORK INSIDE THE LIMIT OF DISTURBANCE LINE. ANY DISTURBANCE OUTSIDE THE LIMIT OF DISTURBANCE IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED TO THE EXTENT NECESSARY TO ASSURE THAT AREAS ARE AS THEY WERE OR BETTER THEN BEFORE THE START OF CONSTRUCTION.

**LAYOUT AND MATERIALS LEGEND**

-  CONTRACT LIMIT LINE
-  CONCRETE PAVING
-  MORTARED GRANITE WALL
-  CHANGE IN WALL TYPE (TYP.)

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*W. Joseph Conroy*



PERMITTING DOCUMENTS 04-16-10

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DATE				

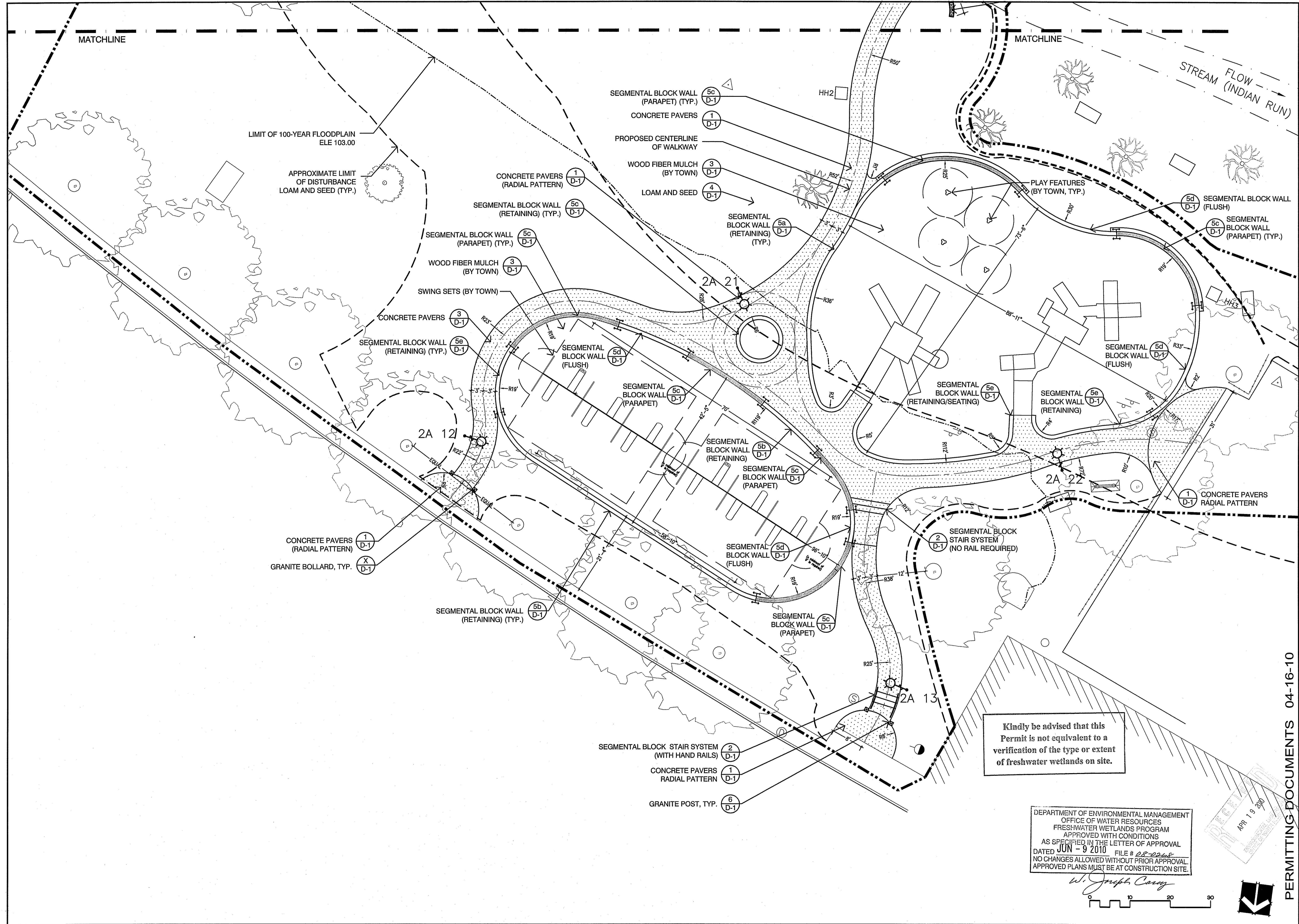
Town of South Kingstown, Rhode Island  
Department of Parks and Recreation  
Village Green Improvements, Peace Dale

**LAYOUT & MATERIALS PLAN**

CADD. NO. 2080039-LY  
SCALE: 1" = 10'  
JOB NO. 2080039  
CONTRACT: 2080039

DESIGNED BY: SBC/AMH  
DRAWN BY: SBC/AMH  
CHECKED BY: MSM  
APP. BY: ERB

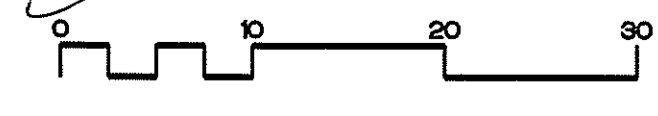
DATE: APR 19 2010



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*W. Joseph Carey*



APR 19 2010

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 100 Foxborough Blvd., S.250  
 Foxborough, MA 02035  
 www.westonandsampson.com

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Town of South Kingstown, Rhode Island  
 Department of Parks and Recreation  
 Village Green Improvements, Peace Dale

**LAYOUT & MATERIALS PLAN**

SCALE: 1" = 10'  
 CONTRACT: 20800039-LM  
 JOB NO. 20800039  
 DR. BY: SELO/MMM  
 CHK. BY: MSB  
 APP. BY: LFK  
 ERB

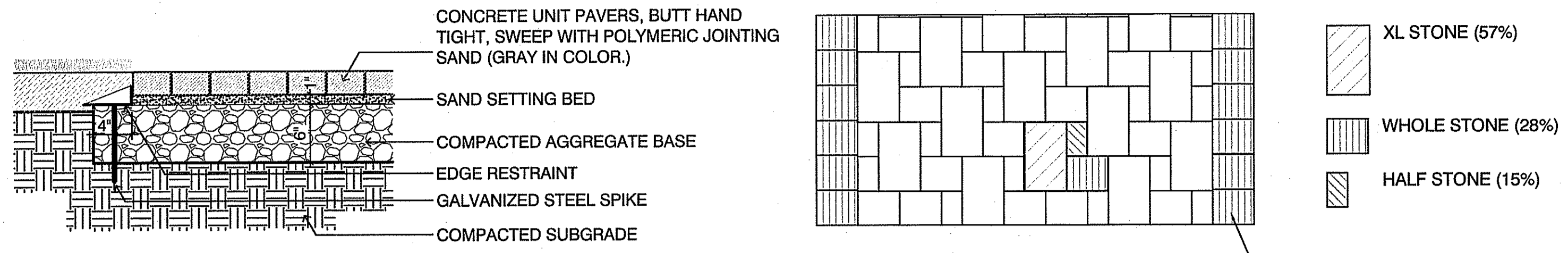
FILE NO. 20800039-LM

**LM-2**

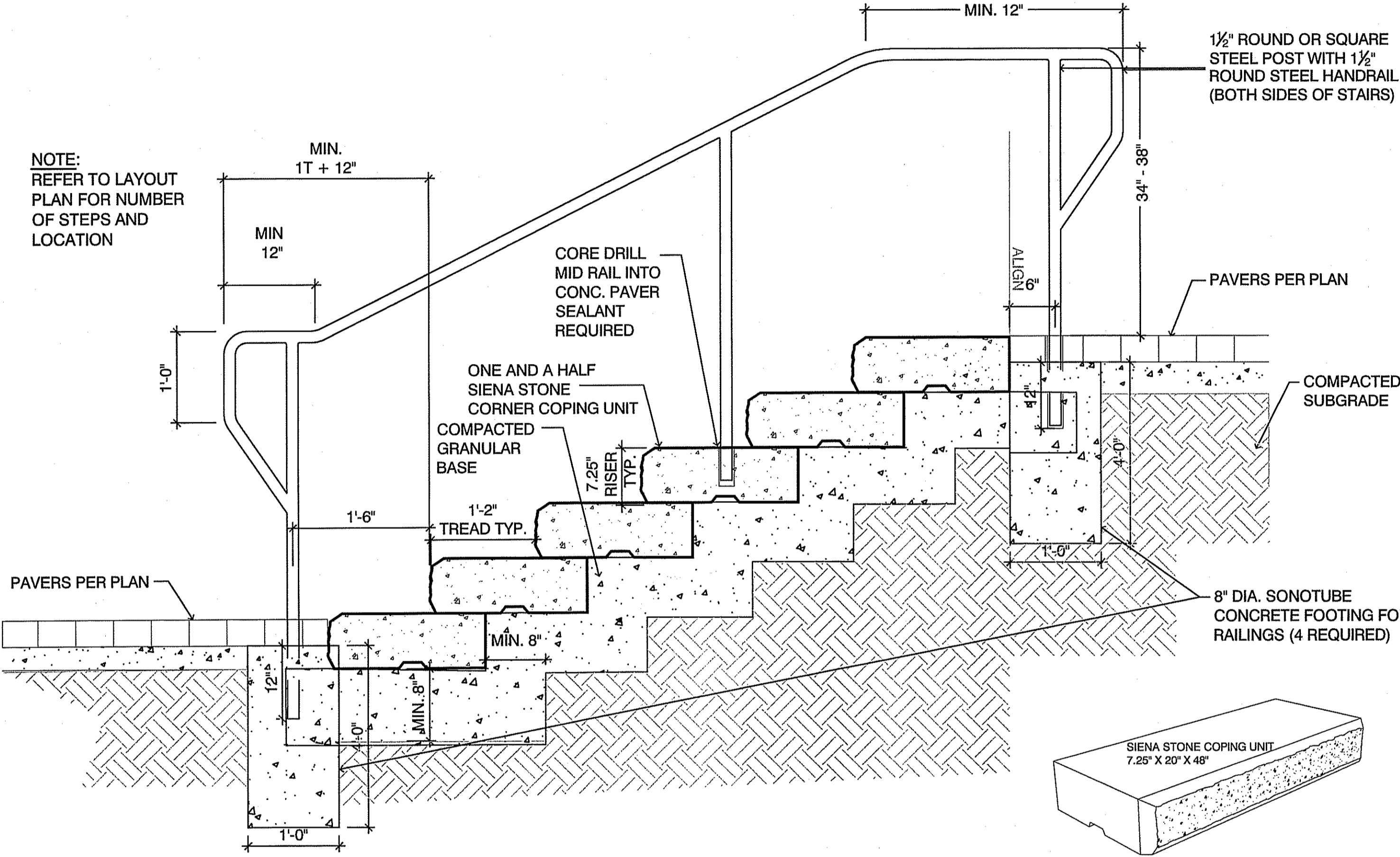
SHEET 9 OF 17



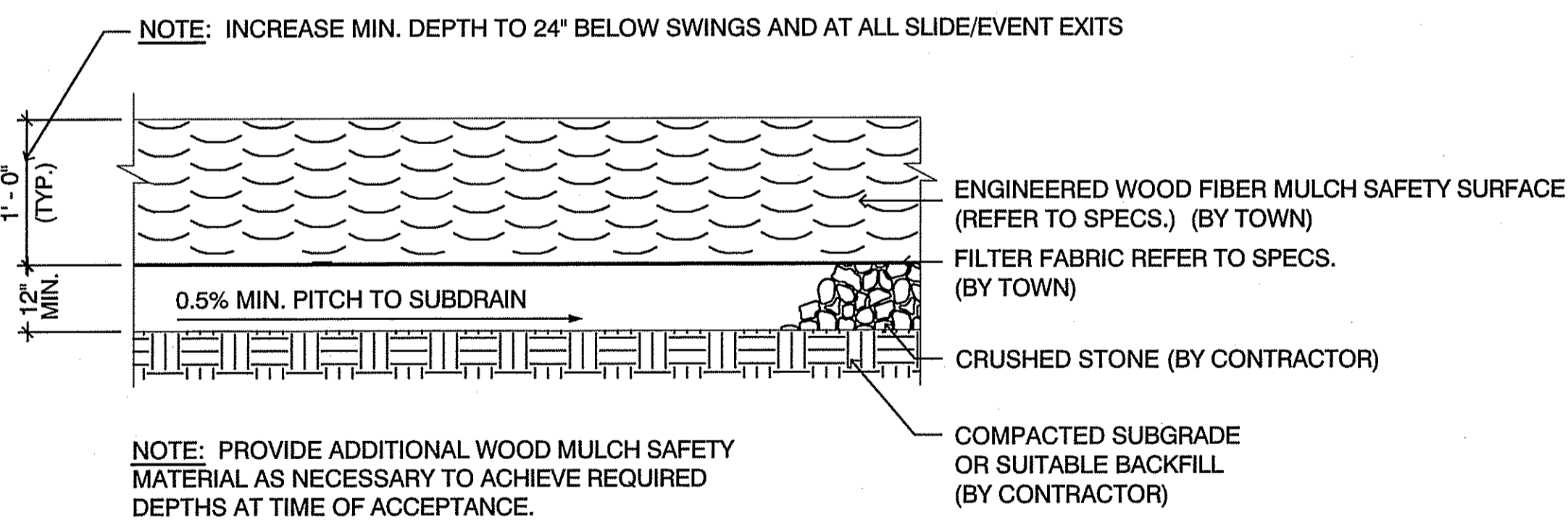




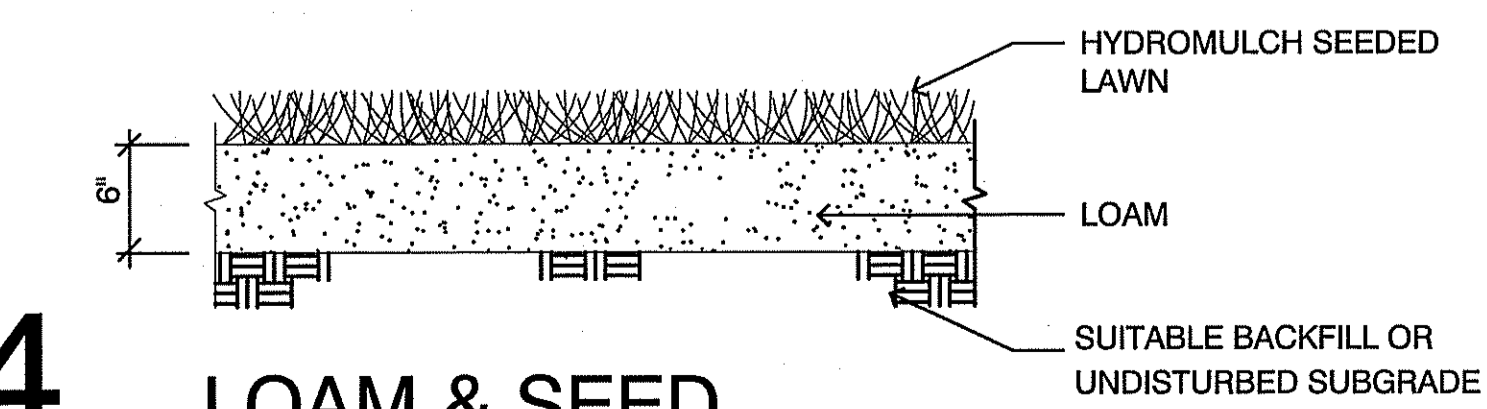
# 1 CONCRETE PAVERS



# 2 SEGMENTAL BLOCK PAVER STAIRS

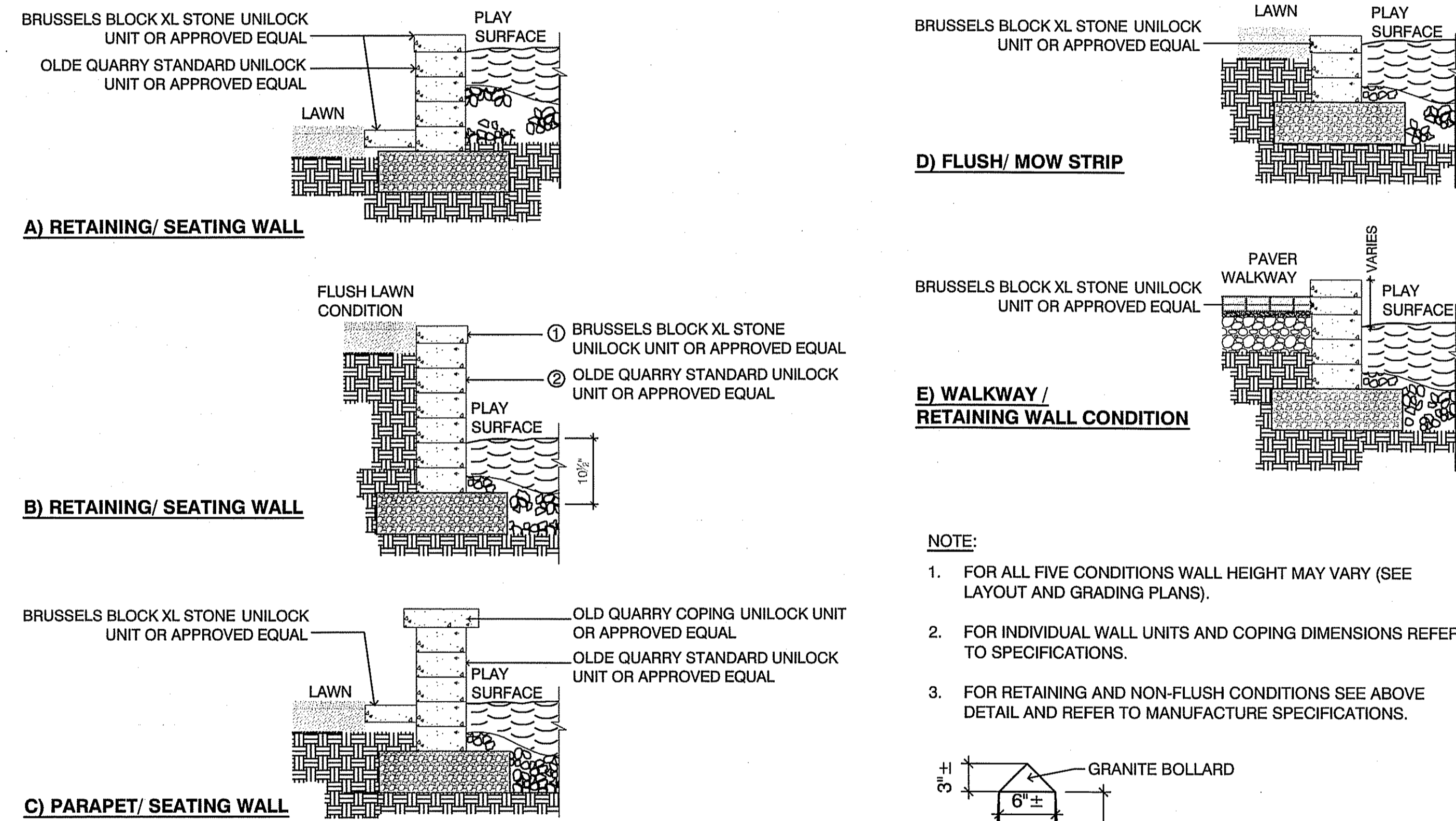


# 3 ENGINEERED WOOD FIBER MULCH SURFACING



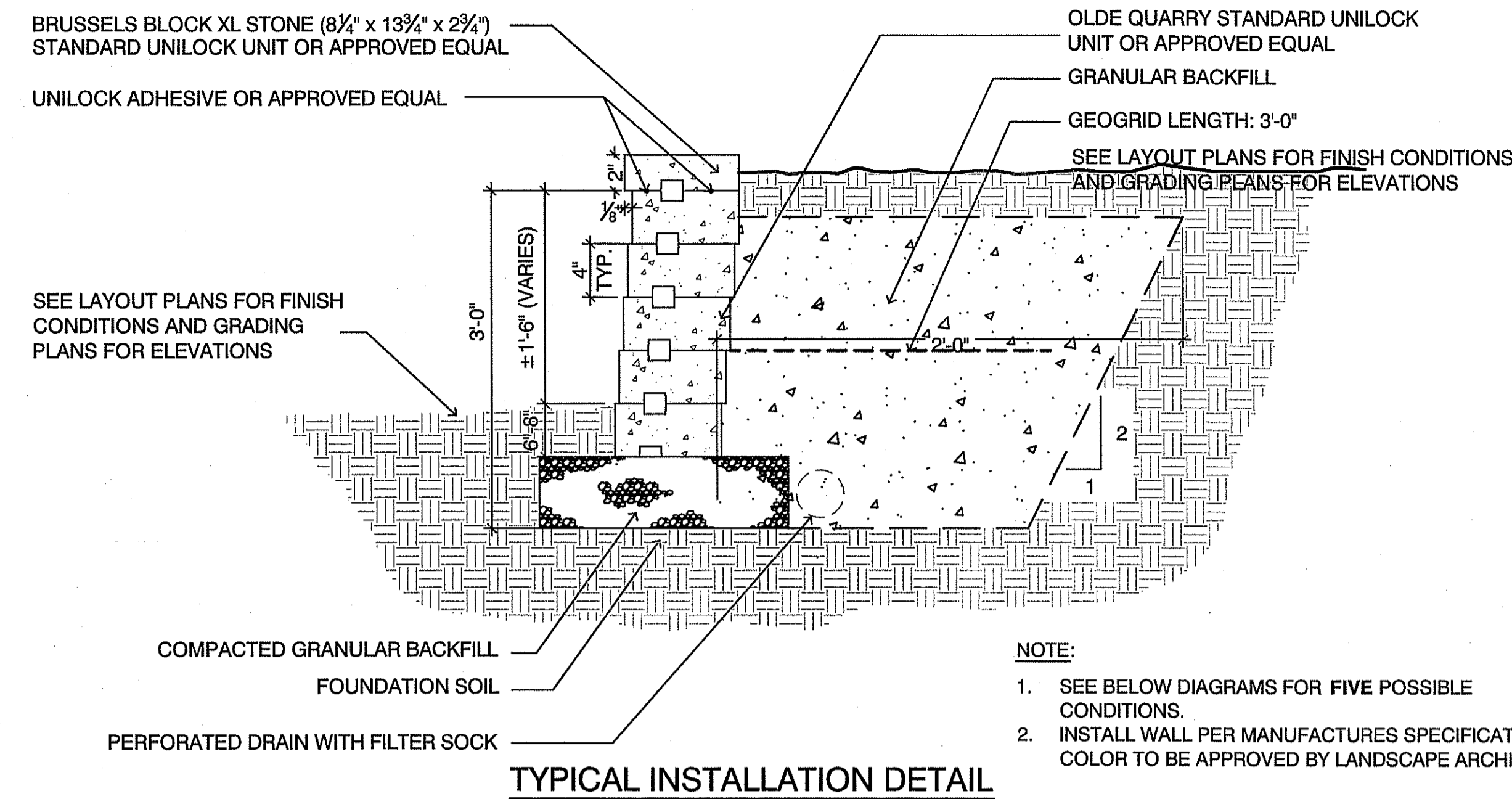
# 4 LOAM & SEED

# 5 SEGMENTAL BLOCK WALL AND CONDITIONS



**NOTE:**  
 1. SEE BELOW DIAGRAMS FOR FIVE POSSIBLE CONDITIONS.  
 2. INSTALL WALL PER MANUFACTURER'S SPECIFICATIONS. COLOR TO BE APPROVED BY LANDSCAPE ARCHITECT.

**NOTE:**  
 1. FOR ALL FIVE CONDITIONS WALL HEIGHT MAY VARY (SEE LAYOUT AND GRADING PLANS).  
 2. FOR INDIVIDUAL WALL UNITS AND COPING DIMENSIONS REFER TO SPECIFICATIONS.  
 3. FOR RETAINING AND NON-FLUSH CONDITIONS SEE ABOVE DETAIL AND REFER TO MANUFACTURE SPECIFICATIONS.



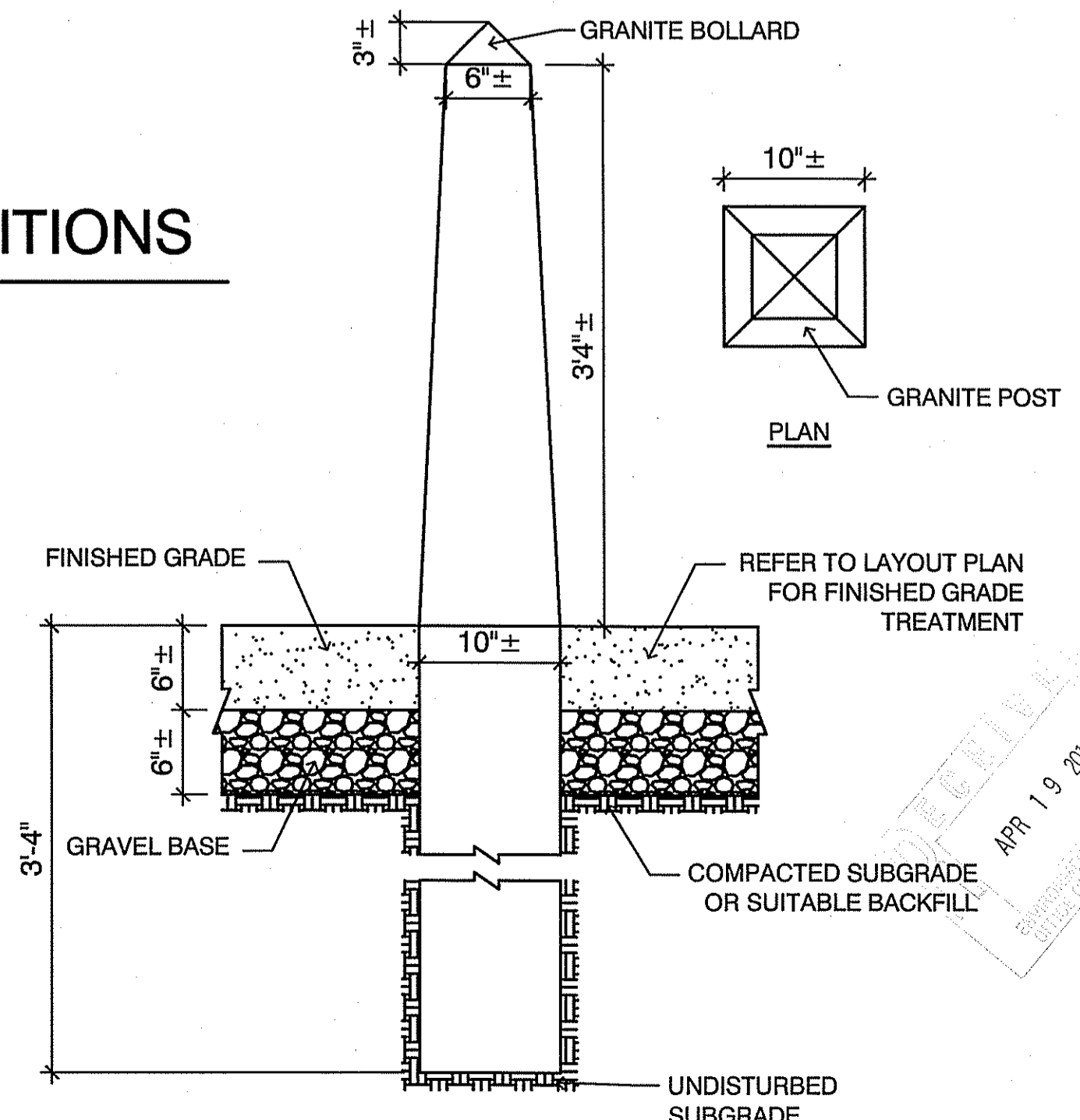
**TYPICAL INSTALLATION DETAIL**

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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 JUN - 9 2010 FILE # 28-2368  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

*W. Joseph Conroy*

# 6 GRANITE POST



PERMITTING DOCUMENTS 04-16-10

**Weston & Sampson**  
 100 Foxborough Blvd., S.250  
 Foxborough, MA 02035  
 www.westonandsampson.com

REGISTERED PROFESSIONAL ENGINEER

DATE \_\_\_\_\_

APP. BY \_\_\_\_\_

CHK. BY \_\_\_\_\_

DR. BY \_\_\_\_\_

NO. DATE \_\_\_\_\_

FILE NO. 2080039-DT NOT TO SCALE

CONTRACT NO. 2080039

SCALE: \_\_\_\_\_

DATE: APR 19 2010

Town of South Kingstown, Rhode Island  
 Department of Parks and Recreation  
 Village Green Improvements, Peace Dale

**SITE CONSTRUCTION DETAILS**

FILE NO. 2080039-DT NOT TO SCALE

CONTRACT NO. 2080039

SCALE: \_\_\_\_\_

DATE: APR 19 2010

PERMITTED FOR CONSTRUCTION

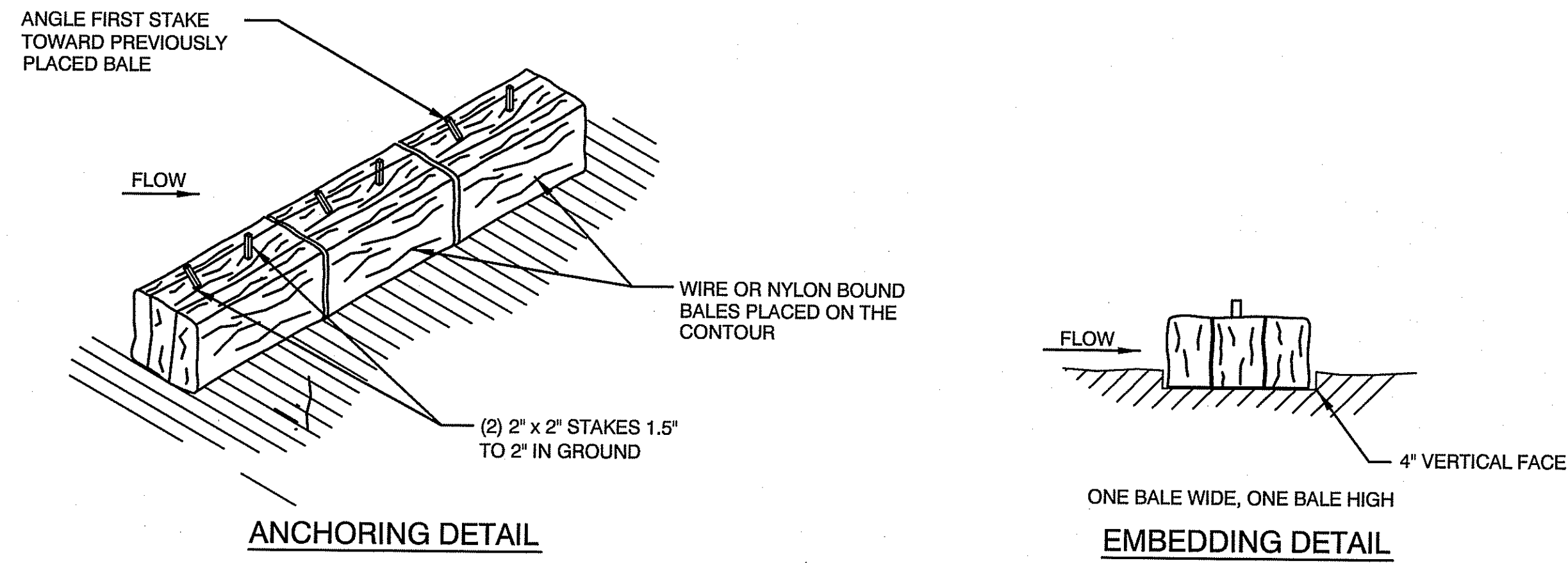
**D-1**

SHEET 12 OF 17

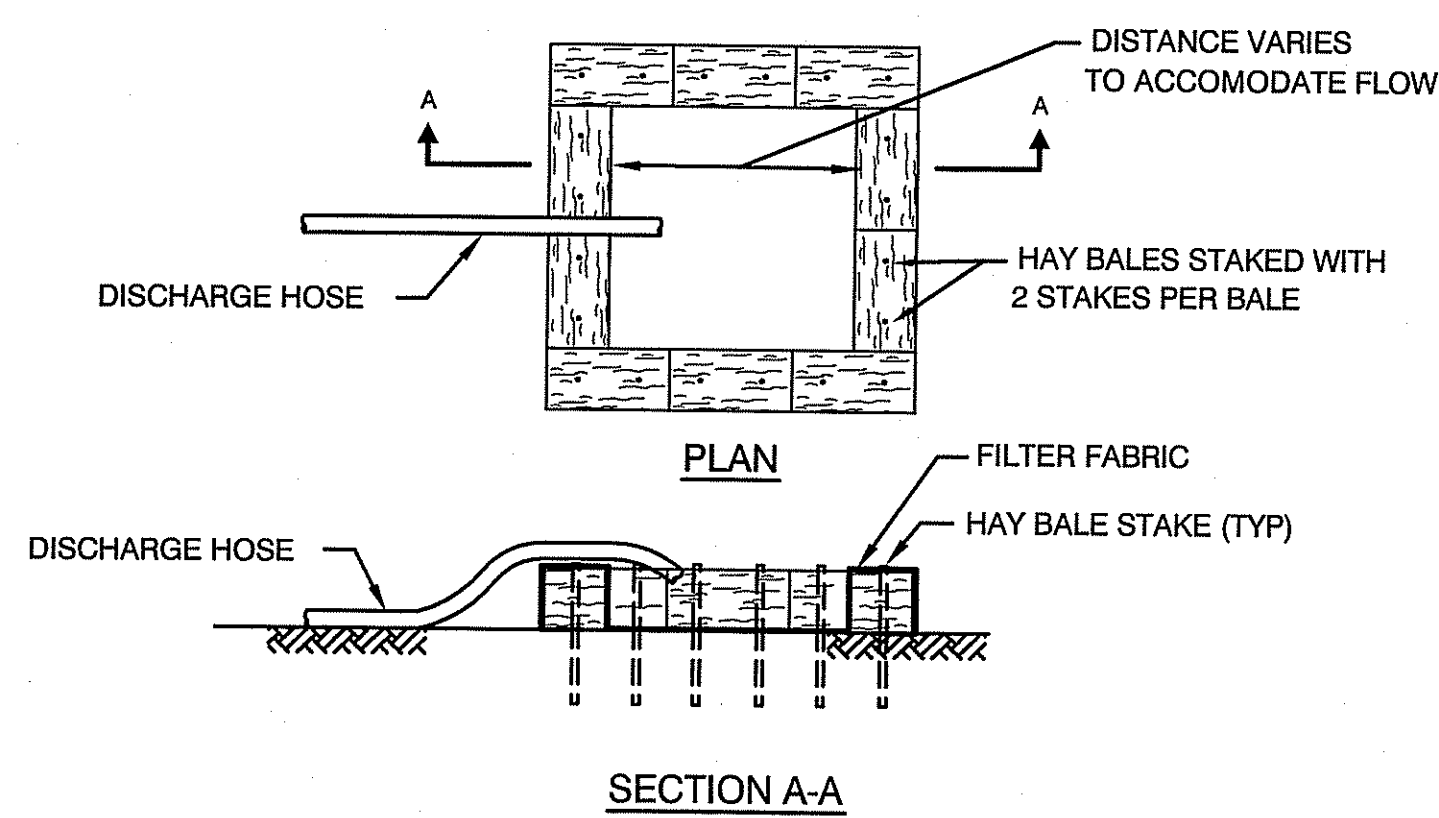
**COFFERDAM NOTES:**

- SAND BAGS SHALL BE PLACED DURING LOW WATER OR DRY CONDITIONS.
- SAND BAGS SHALL BE STACKED IN A MANNER THAT WILL RESULT IN A SYSTEM THAT IS STABLE AND WILL SUSTAIN A RELATIVELY DRY WORK AREA.
- IT IS UNDERSTOOD THAT THE CONTRACTOR MAY BE REQUIRED TO USE A SUMP PUMP TO REMOVE STANDING WATER DUE TO RAIN OR NORMAL LOW FLOW CONDITIONS.
- WORK WILL BE LIMITED TO CONCRETE FORM PREPARATION, REINFORCING STEEL, CEMENT CONCRETE AND RIPRAP PLACEMENT. THE CONTRACTOR SHALL CONTAIN THIS WORK IN AN AREA THAT WILL MINIMIZE THE DISTURBANCE TO THE BROOK.
- IN THE EVENT THAT EXISTING OR PROPOSED MATERIALS FALL INTO THE BROOK, THE CONTRACTOR WILL REMOVE SAID MATERIAL AS SAFELY AND QUICKLY AS POSSIBLE BEFORE RECOMMENCING WORK.
- ALL COSTS ASSOCIATED WITH THE TEMPORARY COFFERDAM SYSTEM INCLUDING EXCAVATION, INSTALLATION, MATERIALS, LABOR, DEWATERING, MAINTENANCE AND REMOVAL ONCE CONSTRUCTION IS COMPLETE SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

**1 COFFERDAM NOTES**



**2 STAKED STRAW BAILES**

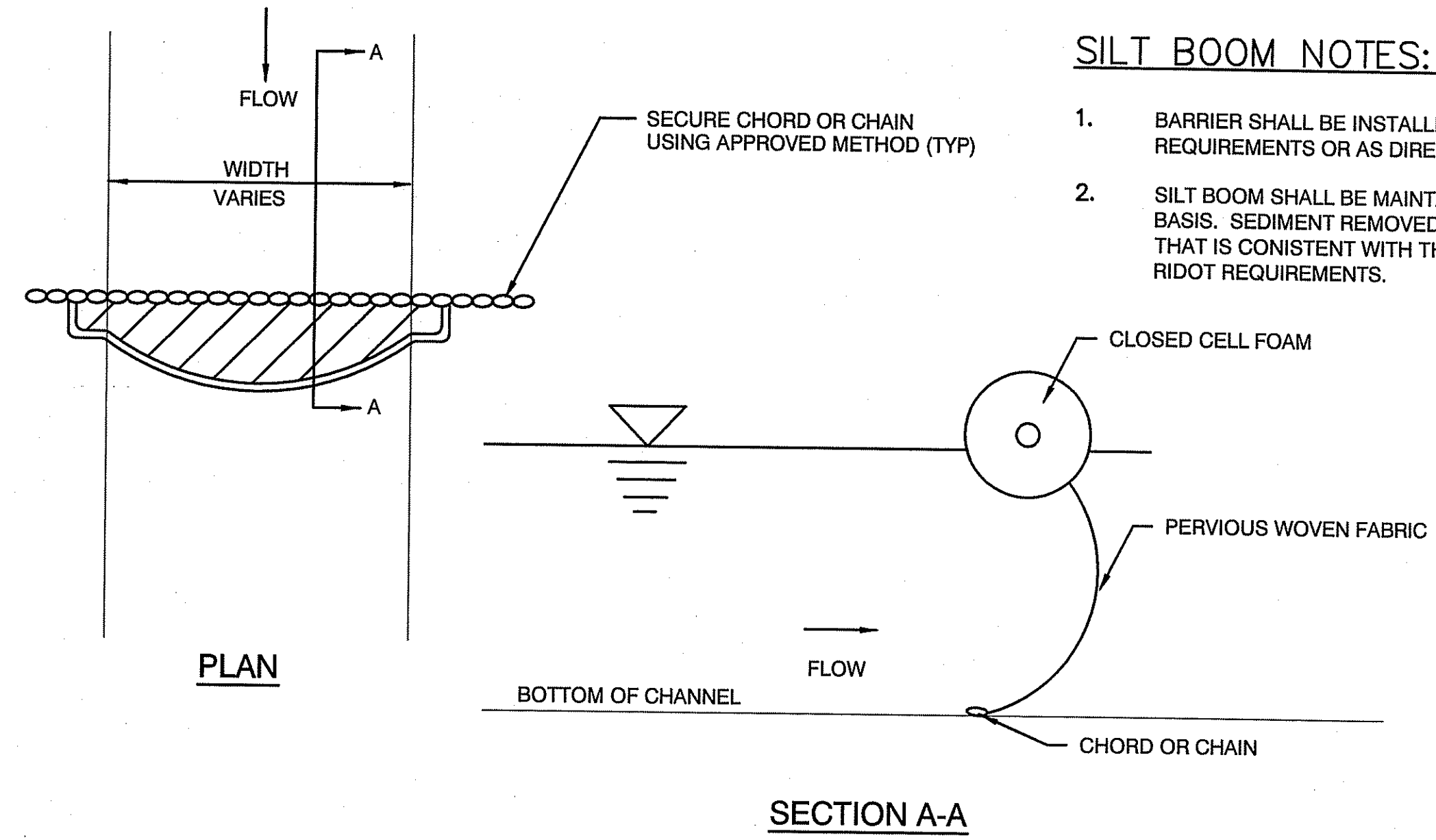


**DEWATERING NOTES:**

- DEWATERING POOL LOCATION SHALL BE AT LEAST 100 FT OR AS FAR AWAY AS POSSIBLE FROM RESOURCE AREA AS DIRECTED BY THE ENGINEER.
- ALL EROSION CONTROL DEVICES, INCLUDING DEWATERING POOL SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF ANY DEWATERING ACTIVITIES.
- DEWATERING POOL SHALL BE MAINTAINED AND CLEANED ON A REGULAR BASIS. SEDIMENTS REMOVED FROM POOL SHALL BE DISPOSED ACCORDING TO DEP GUIDELINES AND ORDER OF CONDITIONS.
- ANY DEWATERING OPERATIONS DEEMED NECESSARY BY THE CONTRACTOR OR REQUIRED BY THE ENGINEER SHALL BE INCIDENTAL TO THE PROJECT.

**3 DEWATERING DISCHARGE DISPOSAL DETAIL**

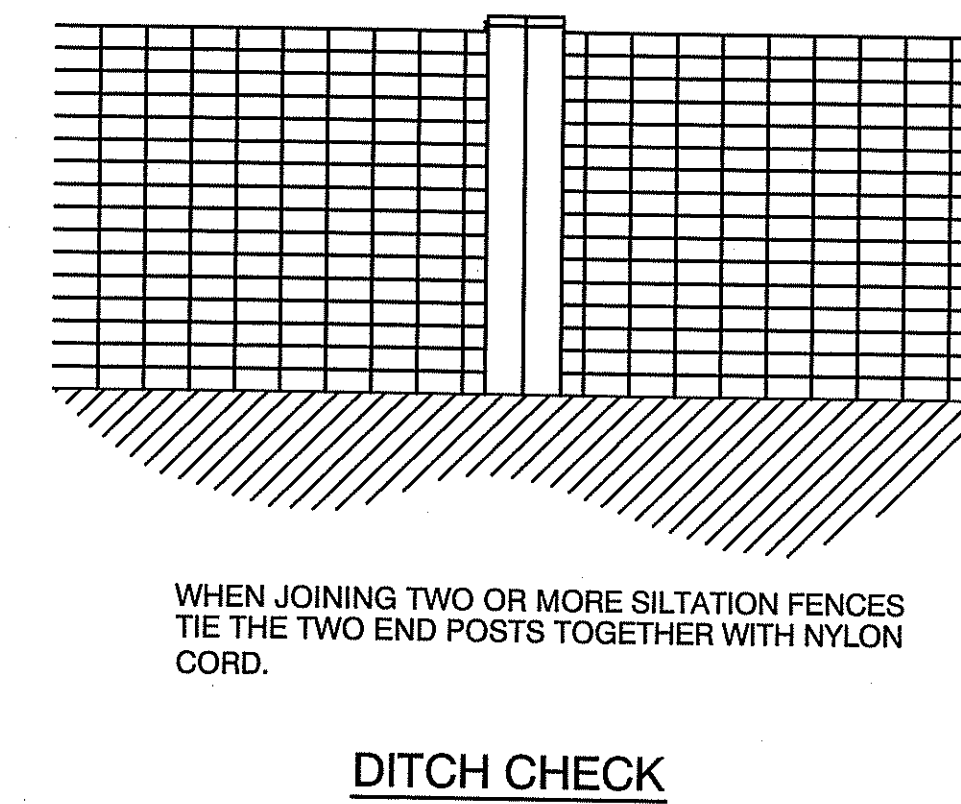
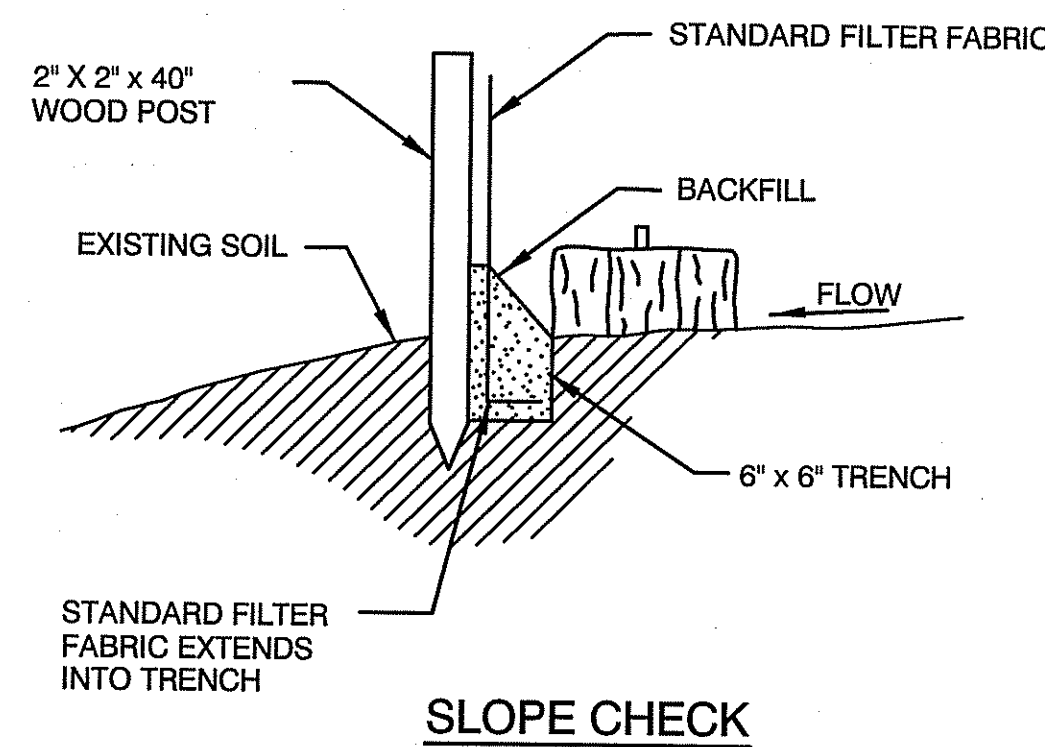
**4 SILT BOOM DETAIL**



**SILT BOOM NOTES:**

- BARRIER SHALL BE INSTALLED ACCORDING TO MANUFACTURERS REQUIREMENTS OR AS DIRECTED BY THE ENGINEER.
- SILT BOOM SHALL BE MAINTAINED AND CLEANED ON A REGULAR BASIS. SEDIMENT REMOVED SHALL BE DISPOSED IN A MANNER THAT IS CONSISTENT WITH THE INTENT OF THESE PLANS OR RIDOT REQUIREMENTS.

**5 SILTATION FENCE DETAIL**



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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
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 DATED JUN - 9 2010 FILE # 08-0266  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

*W. Joseph Casey*

RECEIVED  
 APR 19 2010

PERMITTING DOCUMENTS 04-16-10

FILE PATH: P:\South Kingstown RI\Village Green 20080303\ADAR\VE\SECTION\Ve\land Permittng PP-sub 04-16-10.DWG, DWG NAME: 20080303-01.dwg, DATE: 04/16/2010, TIME: 2:00 PM

Town of South Kingstown, Rhode Island  
 Department of Parks and Recreation  
 Village Green Improvements, Peace Dale

**SITE CONSTRUCTION DETAILS**

SCALE: 20800039-DT | NOT TO SCALE | CONTRACT: 20800039 | DR. BY: SBO/AMM | DSN. BY: MSM | CHK. BY: LFK | APP. BY: ERB

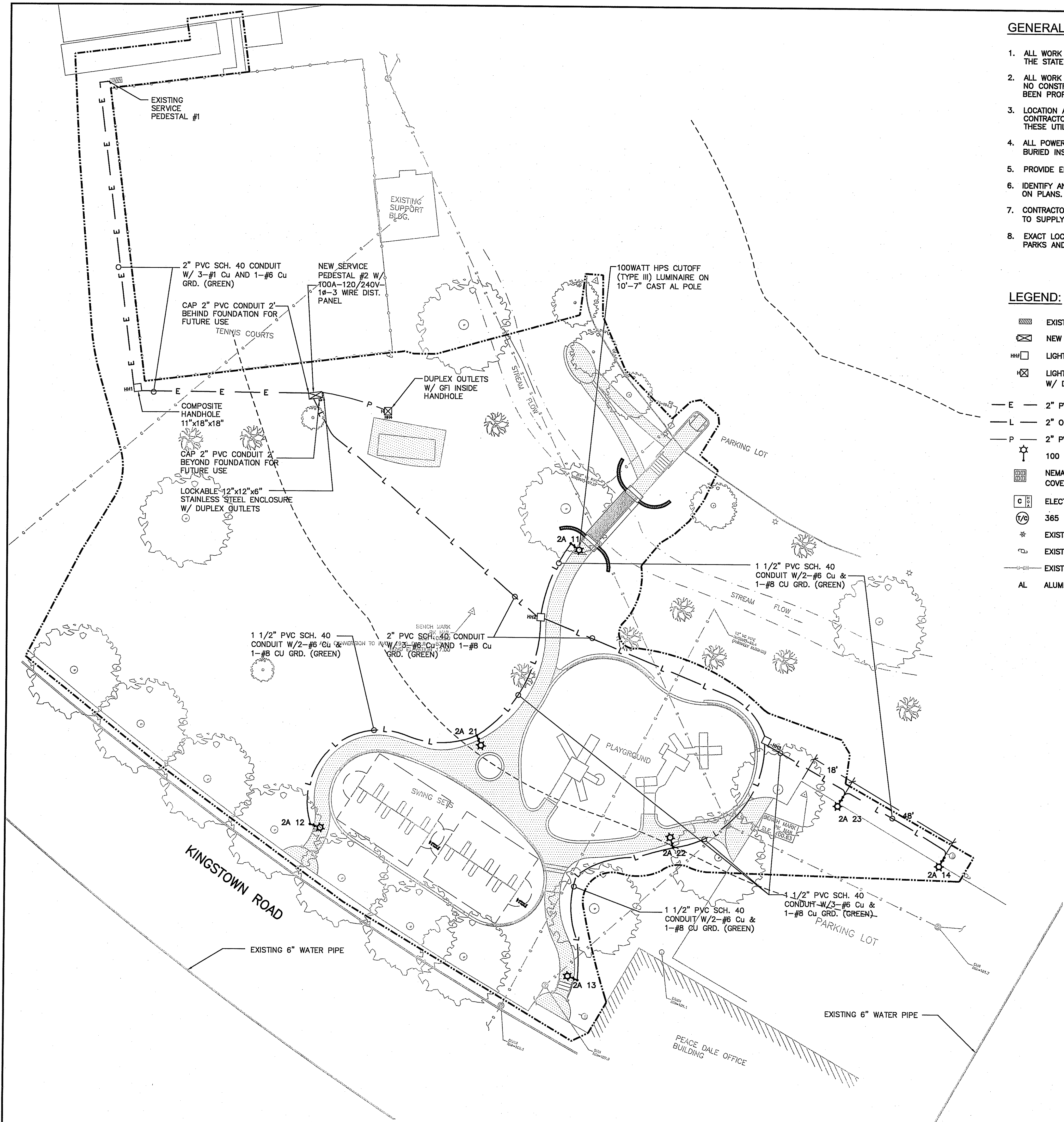
CADD NO. 20800039-DT | FILE NO. 20800039-DT | DATE

REGISTERED PROFESSIONAL ENGINEER

A P P R O V E D

No. Date Dr. By Ck. By App. By

D-2



**GENERAL NOTES:**

1. ALL WORK SHALL CONFORM TO THE LATEST REVISION OF THE NATIONAL ELECTRIC CODE, THE RHODE ISLAND DEPT. OF TRANSPORTATION, THE STATE OF RHODE ISLAND AND THE TOWN OF SOUTH KINGSTON.
2. ALL WORK TO BE COORDINATED WITH THE LOCAL PUBLIC UTILITIES AND THE PARKS AND RECREATION DEPARTMENT. NO CONSTRUCTION SHALL COMMENCE UNTIL THE CONTRACTOR HAS NOTIFIED 1-800-DIG-SAFE AND ALL UTILITIES HAVE BEEN PROPERLY IDENTIFIED.
3. LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. CONTRACTOR SHALL CHECK AND VERIFY LOCATIONS OF ALL EXISTING UTILITIES BOTH UNDERGROUND AND OVERHEAD. ANY DAMAGE TO THESE UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. ALL POWER AND LIGHTING CONDUITS TO BE PVC SCH. 40 (SIZES AS SHOWN) INSTALLED AT A DEPTH OF 24" BELOW GRADE FOR DIRECT BURIED INSTALLATIONS. INSTALL PULLING NYLON ROPE ON ALL SPARE CONDUITS FOR FUTURE USE.
5. PROVIDE ENOUGH SLACK (CABLE) AT ALL HANDHOLES AND PULL BOXES TO ALLOW FOR SPLICING AND REPAIRS TO BE MADE.
6. IDENTIFY AND TAG ALL CIRCUITS AT EACH HANDHOLES. PROVIDE NUMBERING TAGS ACCORDING TO CIRCUIT DESIGNATION AND AS SHOWN ON PLANS.
7. CONTRACTOR TO VERIFY ALL EXISTING EQUIPMENT INSIDE SERVICE PEDESTAL #1 AND INSTALL NEW 200A. DIST. PANEL AND BREAKERS TO SUPPLY EXISTING EQUIPMENT AND NEW SERVICE PEDESTAL #2.
8. EXACT LOCATION OF SERVICE PEDESTAL #2, HANDHOLE WITH OUTLETS, AND POLE LOCATIONS TO BE COORDINATED WITH SOUTH KINGSTOWN PARKS AND RECREATION AUTHORITIES AND LANDSCAPE ARCHITECT.

**LEGEND:**

- EXISTING SERVICE PEDESTAL #1 W/200A.-120/240 VOLT SERVICE
- NEW SERVICE PEDESTAL #2 W/100A.-120/240 VOLT SERVICE
- LIGHTING/POWER HANDHOLE - "QUAZITE" COMPOSITE HANDHOLE 11"x18"x18"
- LIGHTING/POWER HANDHOLE - "QUAZITE" COMPOSITE HANDHOLE 11"x18"x18" W/ DUPLEX OUTLETS AND W/ GFI AND WATER TIGHT ENCLOSURES.
- 2" PVC SCH. 40 CONDUIT W/ 3- #1 Cu AND 1- #6 Cu GRD.
- 2" OR 1.5" PVC SCH. 40 LIGHTING CONDUIT AS SHOWN
- 2" PVC SCH. 40 CONDUIT (POWER CIRCUITS)
- 100 WATT HPS CUTOFF LUMINAIRE ON 10'-7" QUINCY STYLE CAST ALUMINUM POLE
- NEMA 4 STAINLESS STEEL ENCLOSURE (12"x12"x6") WITH (4) INDIVIDUAL DUPLEX OUTLETS W/ GFI. COVER TO BE LOCKABLE OR PROVISIONS FOR PADLOCK
- ELECTRICALLY HELD LIGHTING CONTRACTOR (2 POLE) WITH (HAND-OFF-AUTO) SELECTOR SWITCH
- 365 DAY DIGITAL TIME CLOCK 120 VOLT TO ENERGIZE CONTRACTOR
- EXISTING LIGHT
- EXISTING NATIONAL GRID POLE
- EXISTING OVERHEAD UTILITY LINES (ELECTRIC/COMMUNICATIONS)
- AL ALUMINUM

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
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DATED JUN - 9 2010 FILE # DP-0568  
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*W. Joseph Conroy*

Antonio P. Franco & Associates  
Engineering Consultants  
ELECTRICAL ENERGY CONSERVATION, LIGHTING  
17 SUSAN DRIVE  
CUMBERLAND, R.I. 02864  
PHONE (401) 334-8800  
FAX (401) 334-8857

APR 19 2010

PERMITTING DOCUMENTS 04-16-10

**Weston & Sampson®**  
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100 Foxborough Blvd., S.250  
Foxborough, MA 02035  
www.westonandsampson.com

No.	Date	Dr. By	Ck. By	App. By	DATE

REGISTERED PROFESSIONAL ENGINEER

FILE NO.	CADD NO.	SCALE:	CONTRACT:	DR BY	DSN BY	CHK BY	APP BY
-	2080039-LY	1" = 20'	2080039	SEB/AMM	MSM	LFK	ERB

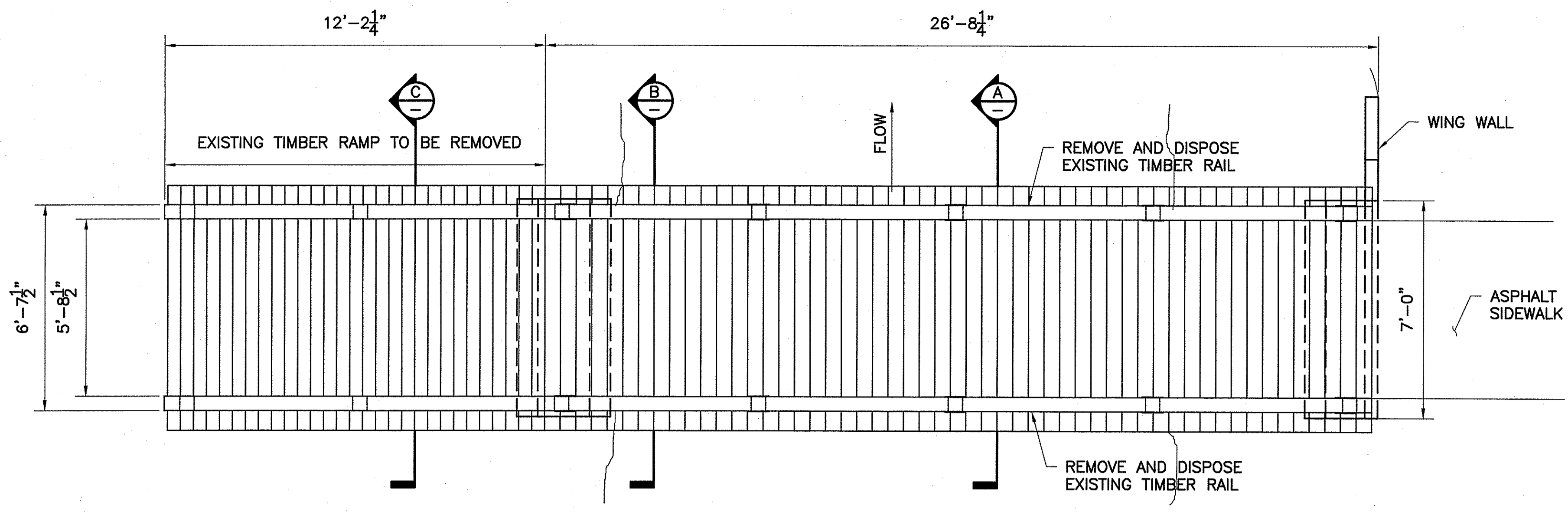
SHEET 14 OF 17

**E-1**

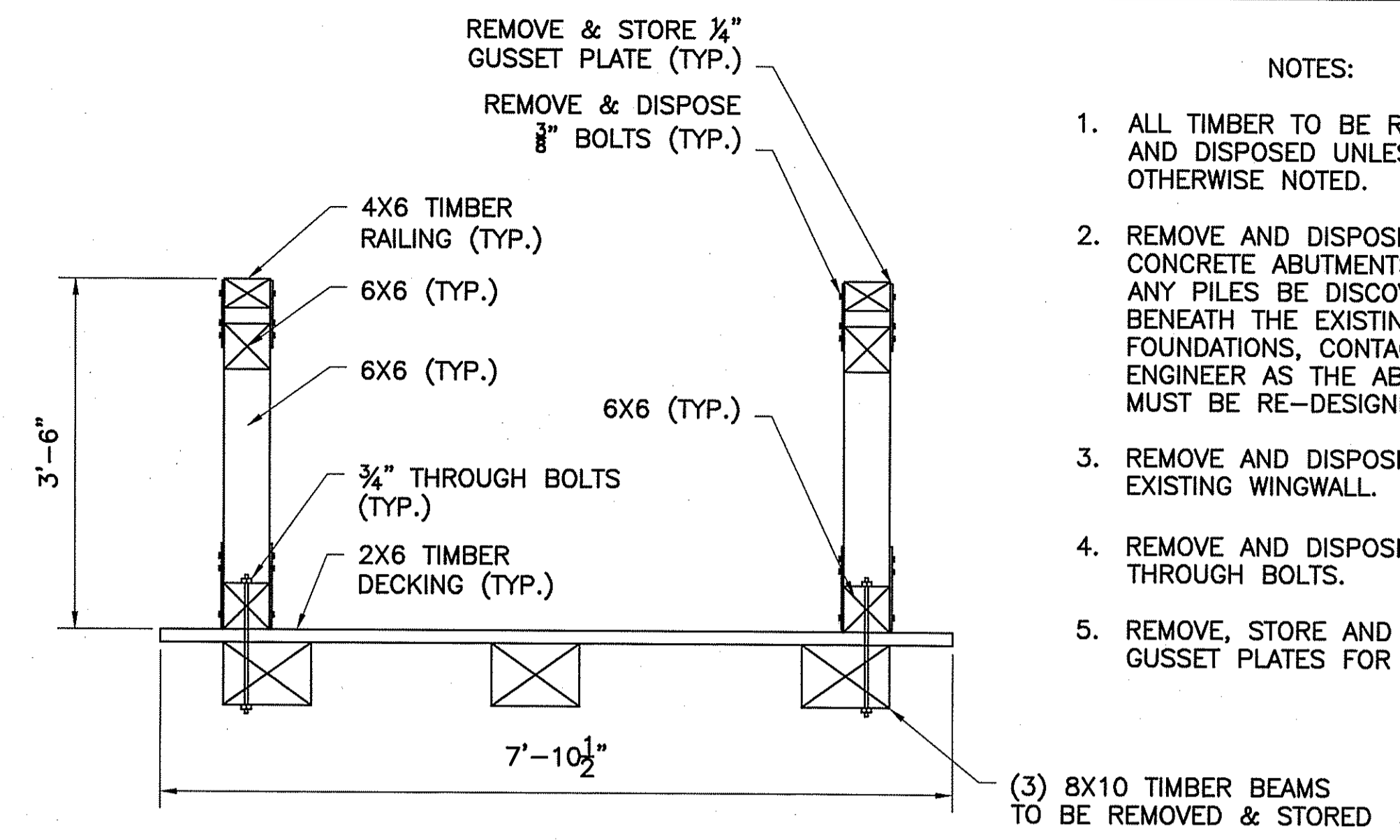
**ELECTRICAL PLAN**

Town of South Kingstown, Rhode Island  
Department of Parks and Recreation  
Village Green Improvements, Peace Dale

FILE PATH: P:\South Kingstown, RI\Village Green Improvements\Permitting\DWG, DWG NAME: 2080039-E-1.dwg DATE: 08/19/2008 TIME: 10:26 AM

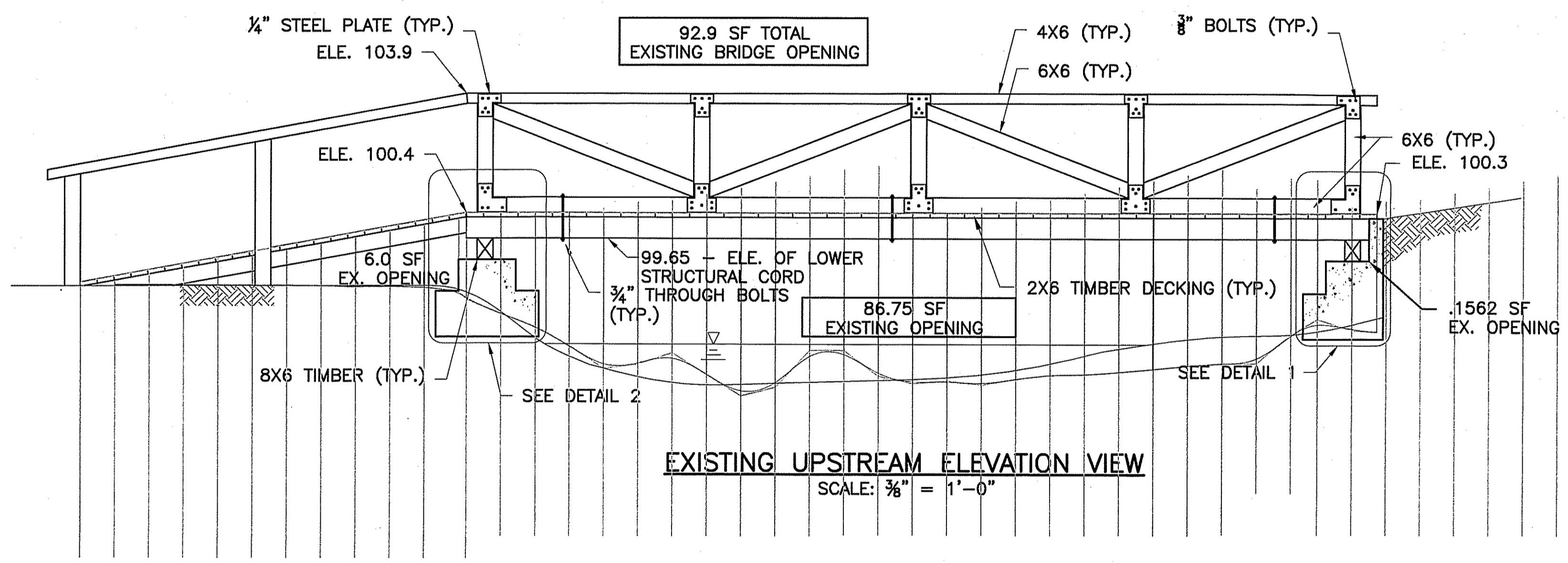


**PLAN VIEW**  
SCALE: 3/8" = 1'-0"

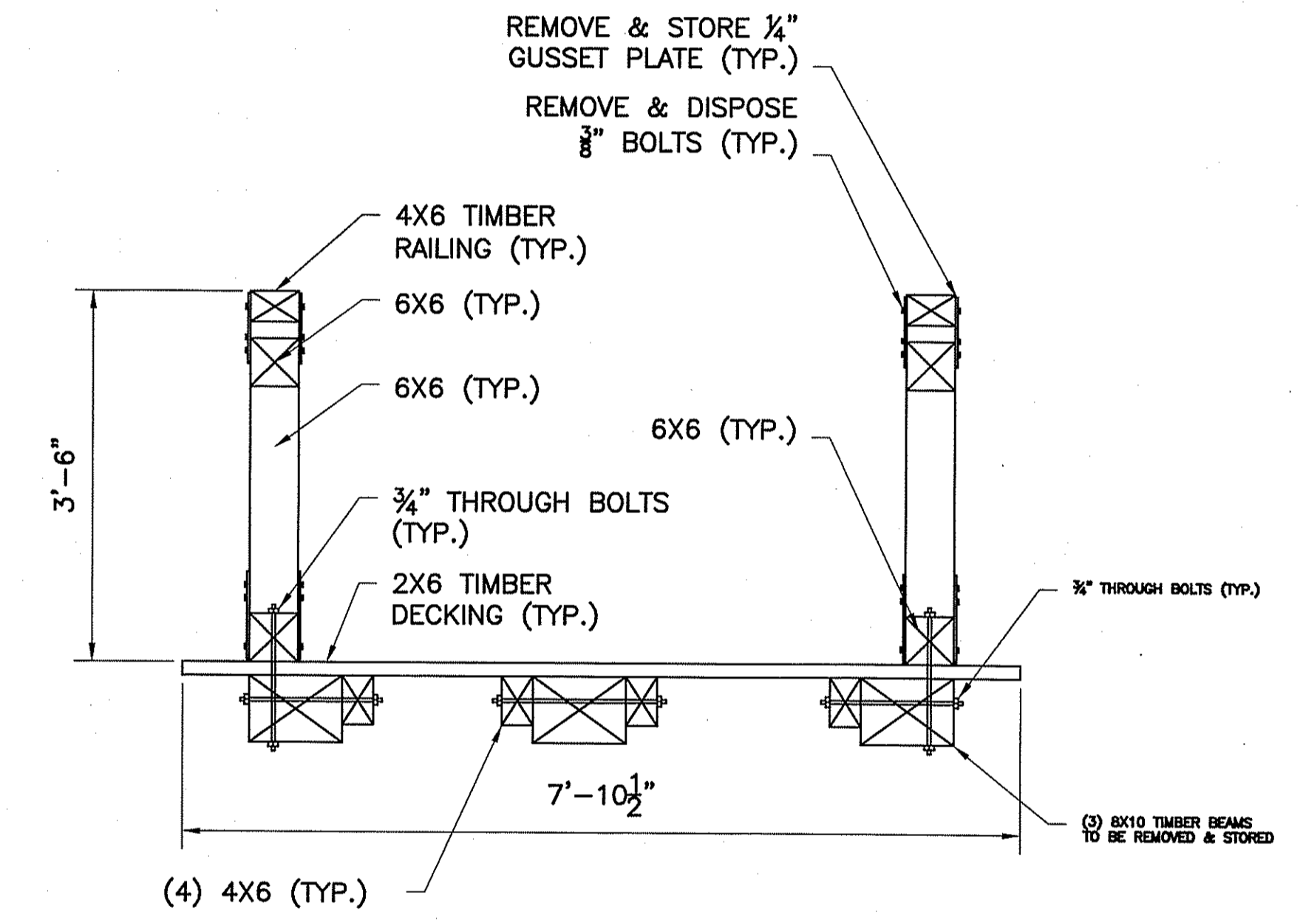


**SECTION A**  
SCALE: 3/4" = 1'-0"

- NOTES:
1. ALL TIMBER TO BE REMOVED AND DISPOSED UNLESS OTHERWISE NOTED.
  2. REMOVE AND DISPOSE ALL CONCRETE ABUTMENTS. SHALL ANY PILES BE DISCOVERED BENEATH THE EXISTING FOUNDATIONS, CONTACT THE ENGINEER AS THE ABUTMENTS MUST BE RE-DESIGNED.
  3. REMOVE AND DISPOSE OF THE EXISTING WINGWALL.
  4. REMOVE AND DISPOSE OF 3/4" THROUGH BOLTS.
  5. REMOVE, STORE AND PAINT GUSSET PLATES FOR RE-USE.



**EXISTING UPSTREAM ELEVATION VIEW**  
SCALE: 3/8" = 1'-0"

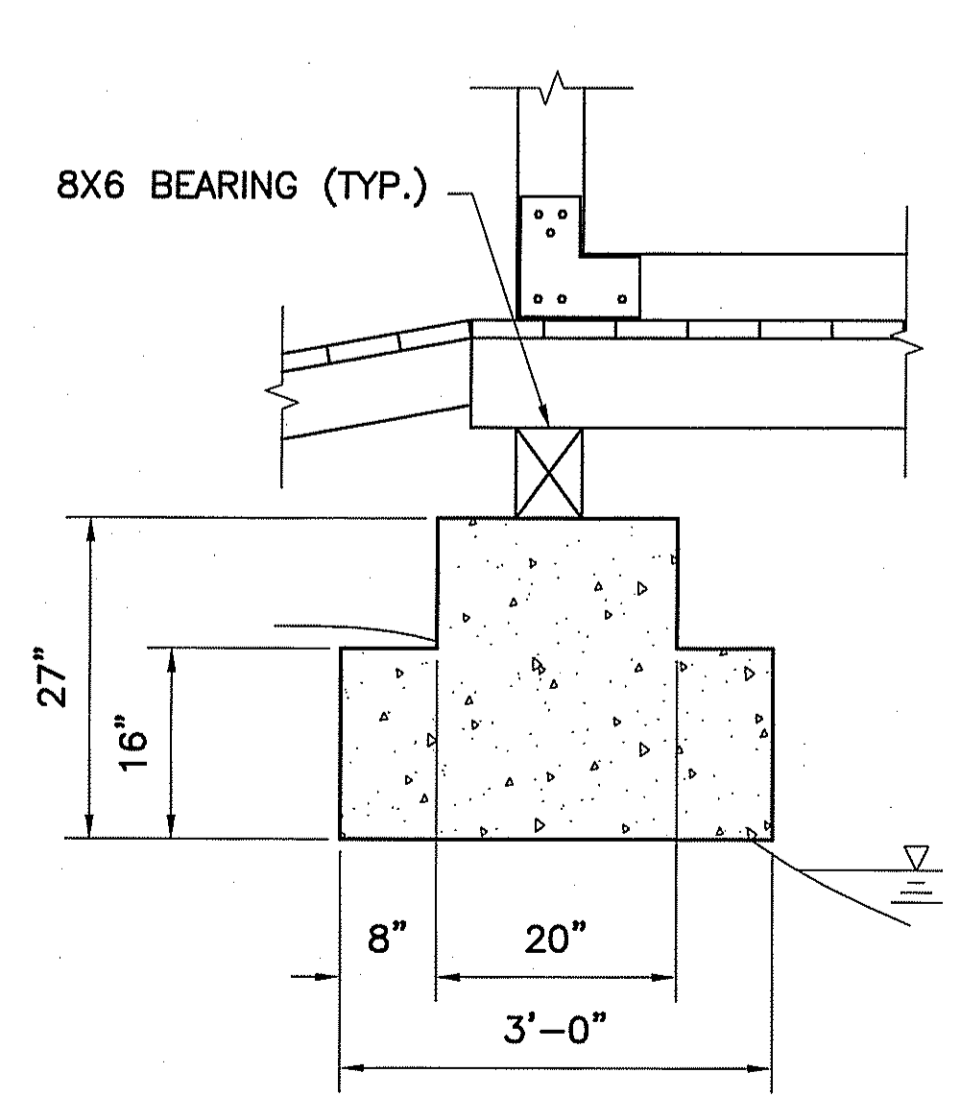


**SECTION B**  
SCALE: 3/4" = 1'-0"

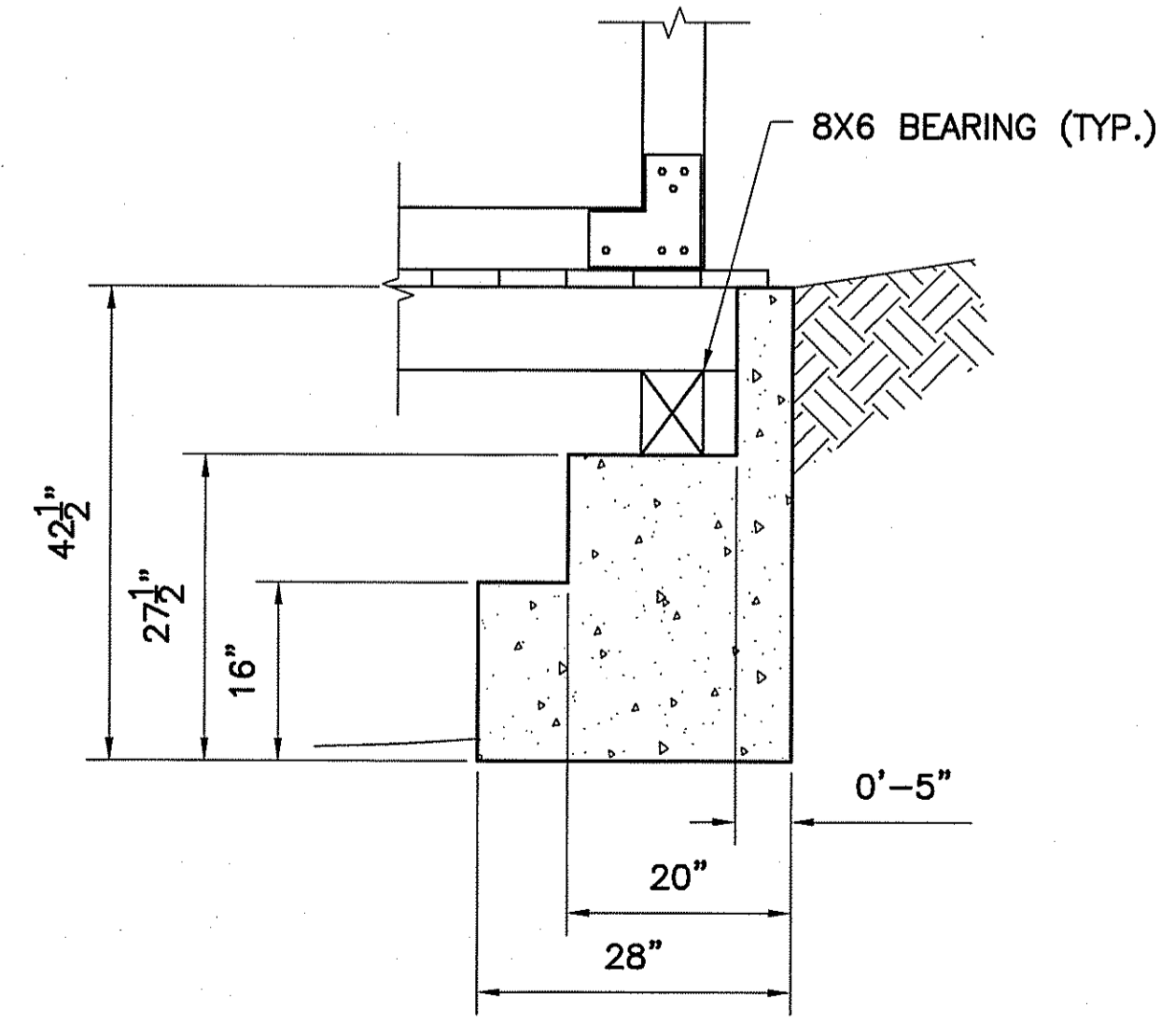
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
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NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.  
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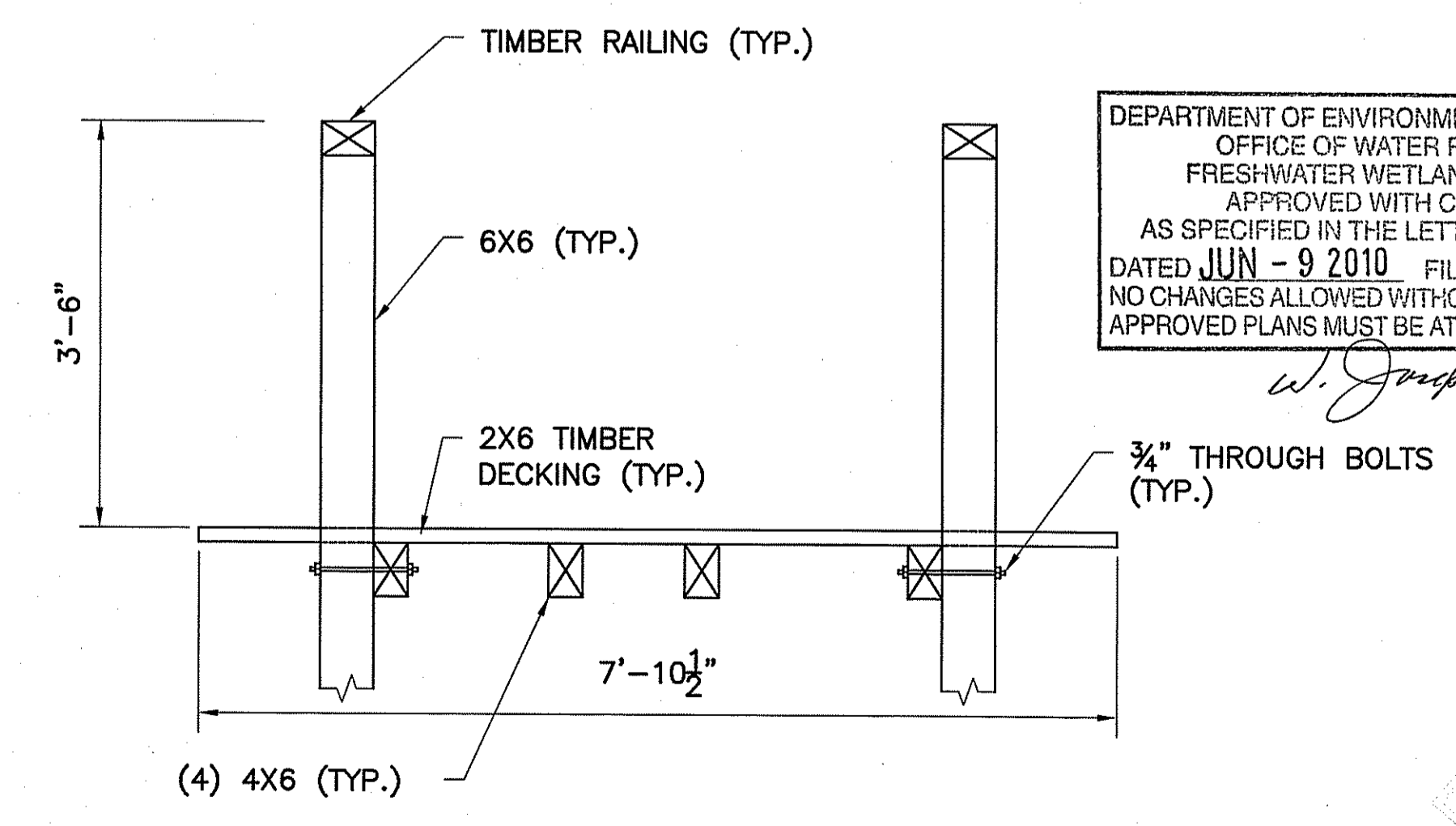
*W. Joseph Conroy*



**DETAIL 2**  
SCALE: 3/4" = 1'-0"



**DETAIL 1**  
SCALE: 3/4" = 1'-0"



**SECTION C**  
SCALE: 3/4" = 1'-0"

PERMITTING DOCUMENTS 04-16-10

**Weston & Sampson**  
Weston & Sampson  
100 Foxborough Blvd., S.250  
Foxborough, MA 02035  
www.westonsampson.com

No.	Date	Dr. By	App. By	DATE

REGISTERED PROFESSIONAL ENGINEER

EXISTING PEDESTRIAN BRIDGE

Department of Parks and Recreation  
Village Green Improvements, Pease Dale

CONTRACT: 2080039-STR

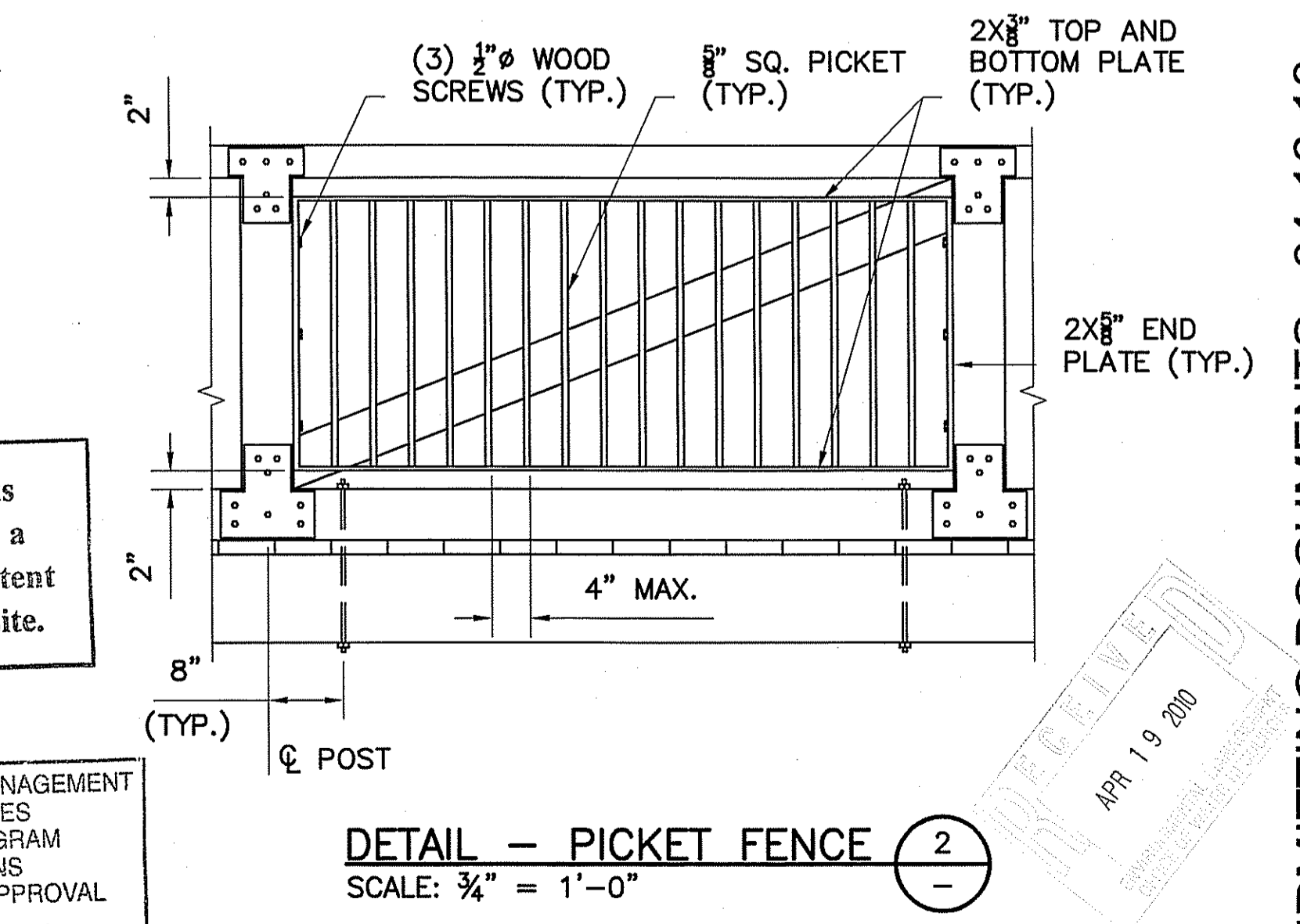
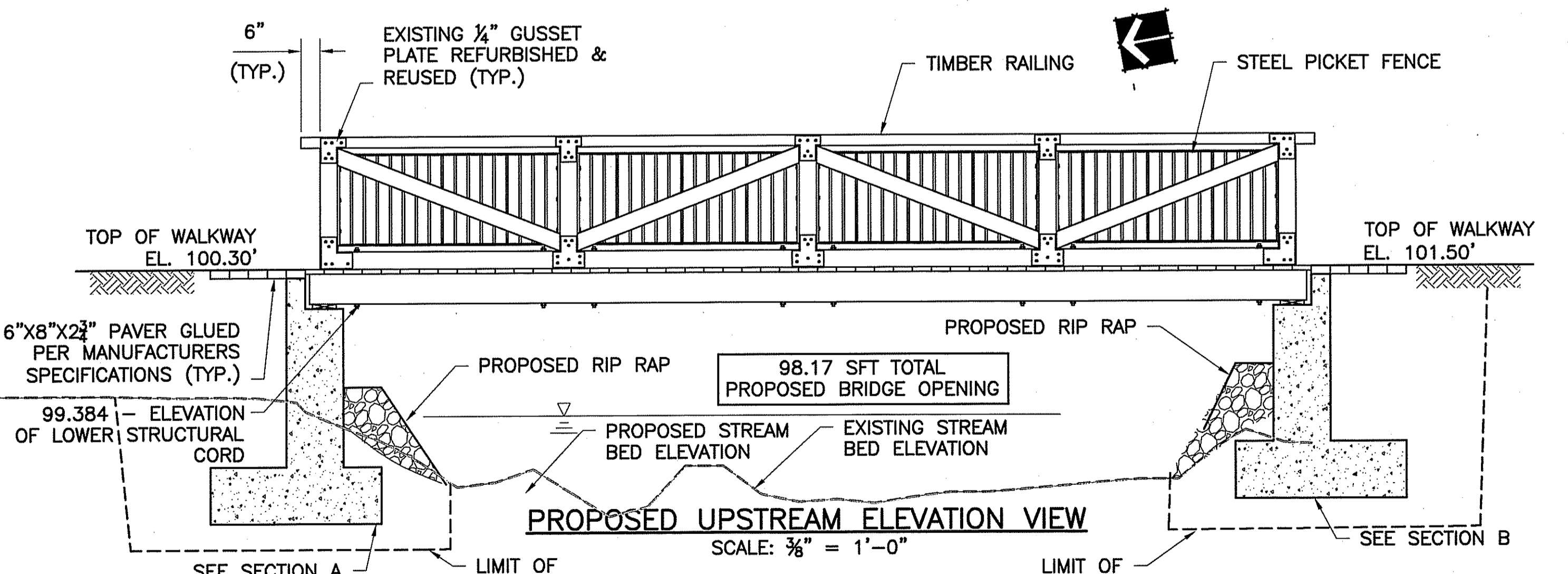
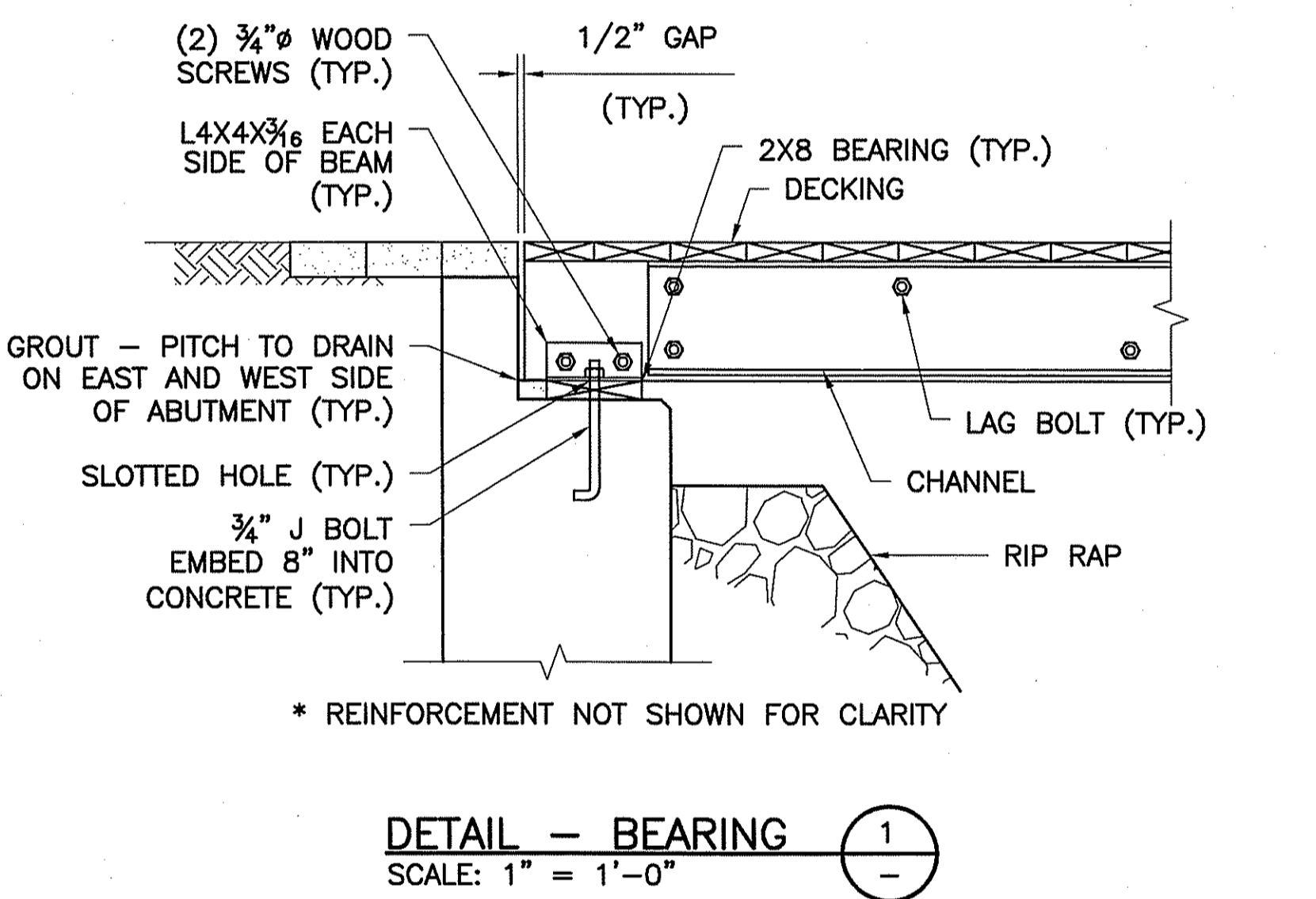
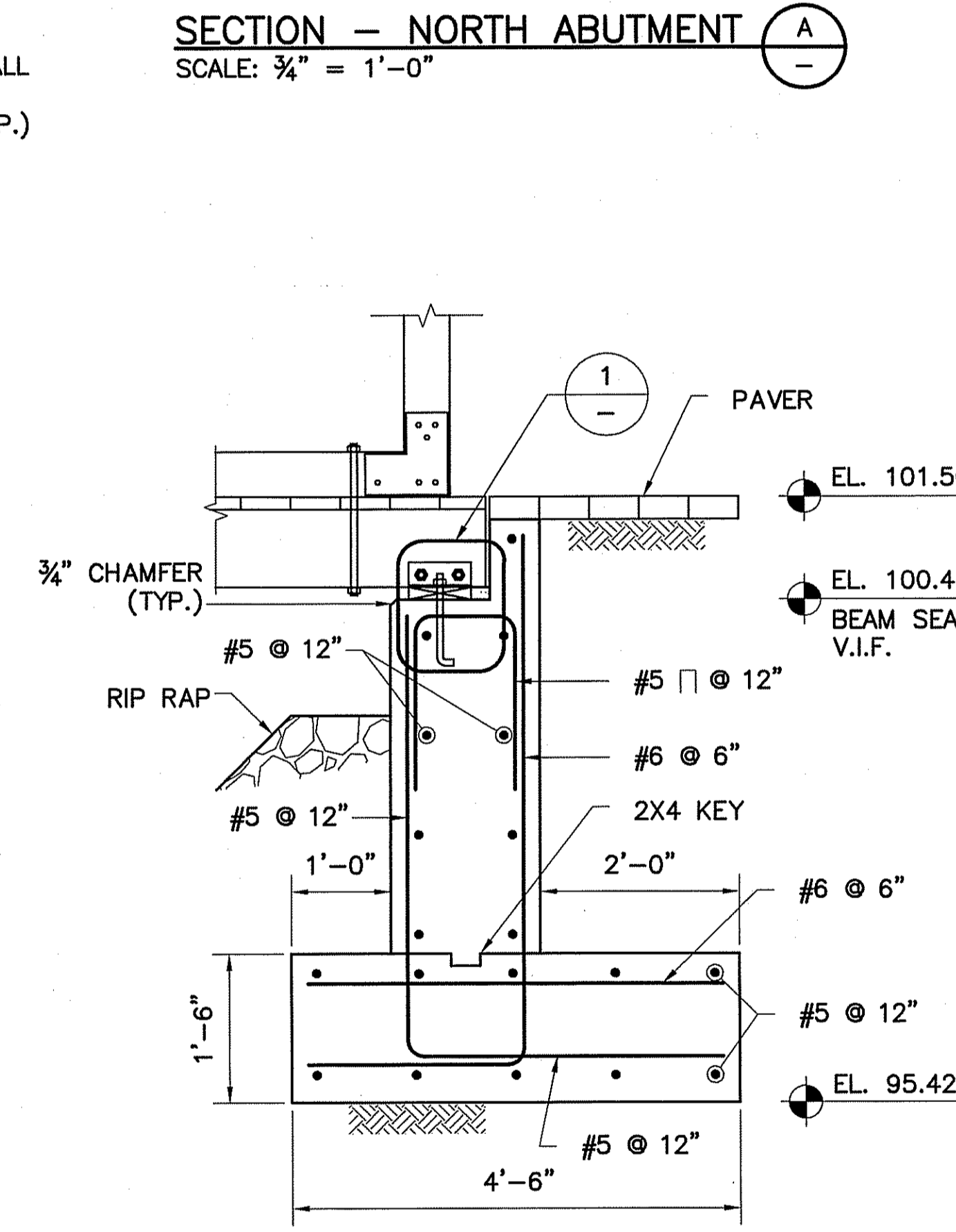
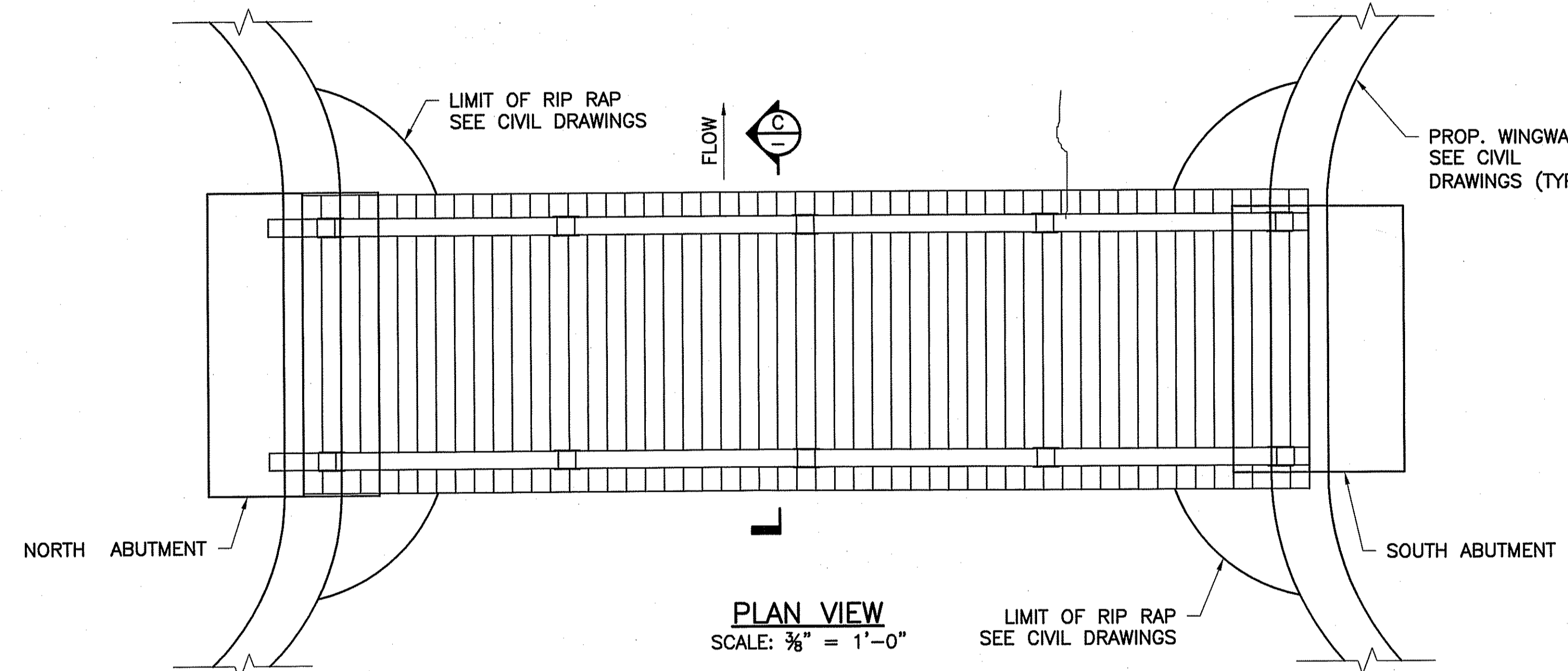
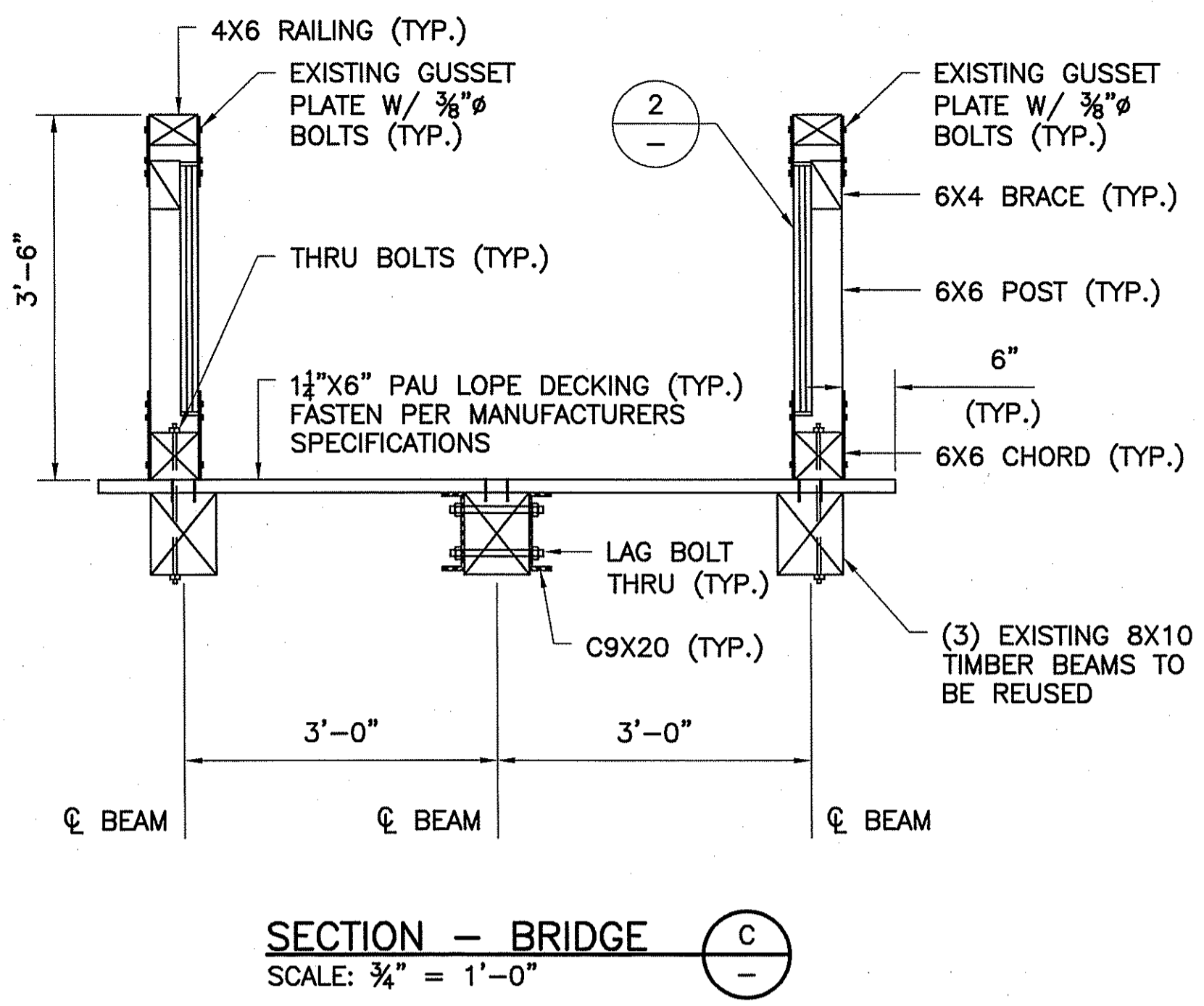
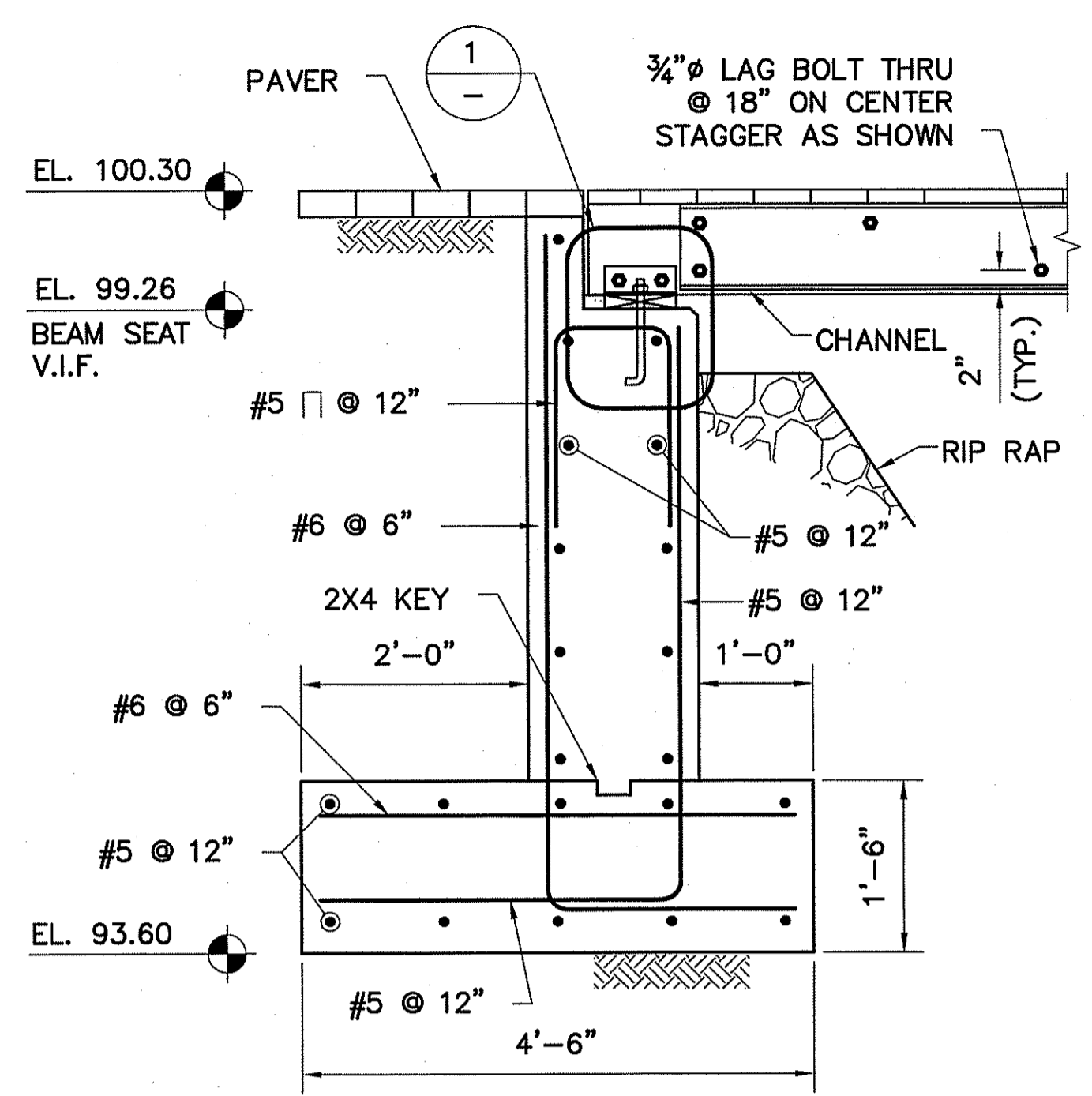
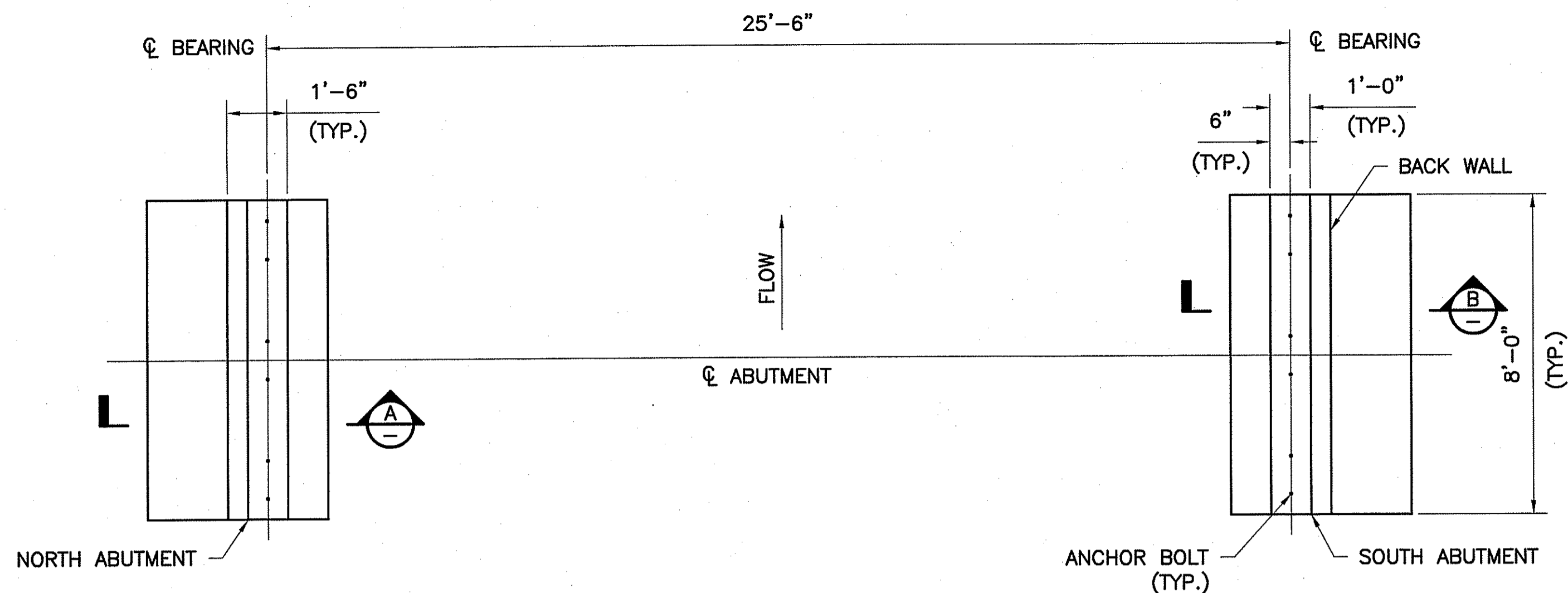
SCALE: AS NOTED

FILE NO. 2080039-STR

APR 19 2010

S-1

SHEET 15 OF 17



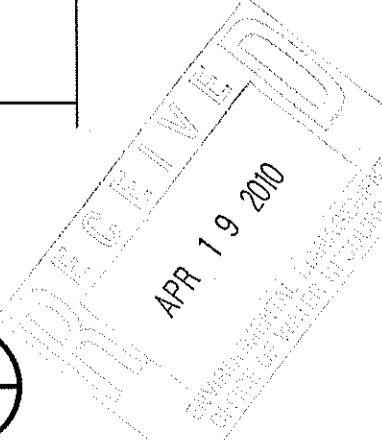
- GENERAL NOTES**
1. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE RHODE ISLAND STATE BUILDING CODE.
  2. HOLES IN EXISTING BEAMS SHALL BE PLUGGED WITH DOWELS AND GLUED SECURELY, WHEN ORIENTATING BEAMS THE PLUGGED HOLES SHALL BE FACED UPWARDS.
  3. UPON UNEARTHING OF THE EXISTING ABUTMENTS ANY UNKNOWN CONDITIONS SHALL BE REPORTED TO THE ENGINEER BEFORE CONSTRUCTION IS RESUMED.
  4. ALL MATERIAL USED IS TO BE NEW UNLESS NOTED OTHERWISE.
- STEEL**
1. ALL BOLTS SHALL BE GALVANIZED AND CONFORM TO ASTM 307.
  2. ALL ROLLED SHAPES SHALL BE GALVANIZED AND CONFORM TO ASTM A36 STEEL.
  3. GUSSETS SHALL BE SANDBLASTED & GALVANIZED, PAINT BLACK PER SPECIFICATION

- CONCRETE**
1. ALL CONCRETE WORK SHALL CONFORM TO ACI 318-05.
  2. ALL CONCRETE SHALL RECEIVE A PROTECTIVE COVER OF:  
-2" WHEN EXPOSED TO EARTH OR WEATHER  
-3" WHEN CAST PERMANENTLY AGAINST GROUND
  3. REINFORCING SHALL CONFORM TO ASTM 615 GRADE 60.
  4. CONCRETE SHALL RETAIN A COMPRESSIVE STRENGTH OF 4000PSI AT 28 DAYS.
  5. EXPOSED HORIZONTAL EXTERIOR EDGES SHALL RECEIVE A 3/4" CHAMFER
- TIMBER**
1. ALL EXISTING BEAMS HAVE BEEN ASSUMED TO BE SOUTHERN PINE No.2.
  2. ALL NEW TIMBER SHALL BE SOUTHERN PINE STRUCTURAL GRADE.

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*W. Joseph Conroy*



PERMITTING DOCUMENTS 04-16-10

**Weston & Sampson**  
100 Foxborough Blvd., S250  
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REGISTERED PROFESSIONAL ENGINEER

APPROVED

Town of South Kingstown, Rhode Island  
Department of Parks and Recreation  
Village Green Improvements, Peace Dale

**PROPOSED PEDESTRIAN BRIDGE AND ABUTMENTS**

CONTRACT: 2080039-STR  
SCALE: AS NOTED

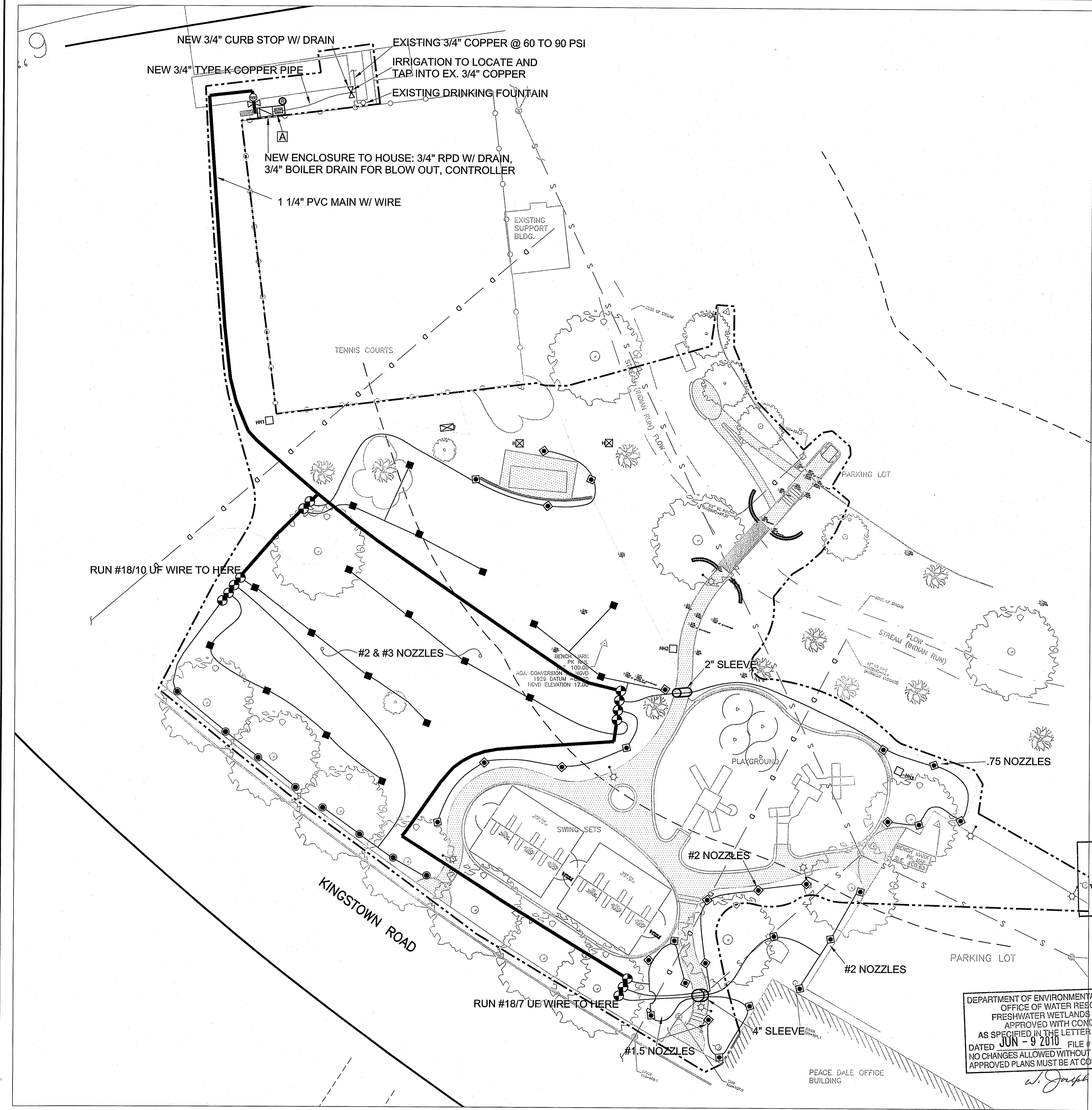
DESIGNED BY: MSB/AMM  
CHECKED BY: LFK  
APP. BY: ERB

DATE: \_\_\_\_\_

FILE NO. 2080039-STR

**S-2**

SHEET 16 OF 17



**LEGEND FOR IRRIGATION**

Irrigation Pipe Table

Length	Symbol	Pipe
720'	—	PVC MAIN: CLASS 200 1 1/4" SW PVC PIPE W/ #18/10 UF WIRE
2400'	—	POLY LATERALS: 100 PSI 1" POLY PIPE
20'	○	PVC SLEEVES: CLASS 200 4" PVC PIPE W/ COUPLERS
20'	○	PVC SLEEVES: CLASS 200 2" SW PVC PIPE

Irrigation Equipment Table

Quantity	Symbol	Equipment
1	⊗	ISOLATION VALVE: APOLLO BALL VALVE, LINE SIZED
1	Ⓐ	CONTROLLER: TORO CUSTOM COMMAND MODEL CC-P15
1	⊙	RAIN SENSOR: TORO WIRELESS
1	⊗	BLOW OUT: 3/4" BOILER DRAIN
1	⊗	BACKFLOW: FEBCO 825Y 3/4" RPD W/ DRAIN ON 3/4" COPPER
1	⊗	POINT OF CONNECTION: 3/4" @ 60 TO 90 PSI. INSTALL SHUT OFF.
13	⊙	ZONE VALVE: TORO EZF-25-04 1" PLASTIC MALE x BARB
1	⊙	MASTER VALVE: TORO 220-26-04 1" BRASS

Irrigation Heads Table

Quantity	Symbol	Sprinkler Heads
19	◆	MEDIUM ROTARY HEAD: TORO SUPER 800, FULL CIRCLE, NOZZLES AS SHOWN
29	◆	MEDIUM ROTARY HEAD: TORO SUPER 800, PART CIRCLE, NOZZLES AS SHOWN
8	●	SMALL ROTARY HEAD: TORO MINI 8, PART CIRCLE, #1 NOZZLE

**NOTES FOR IRRIGATION**

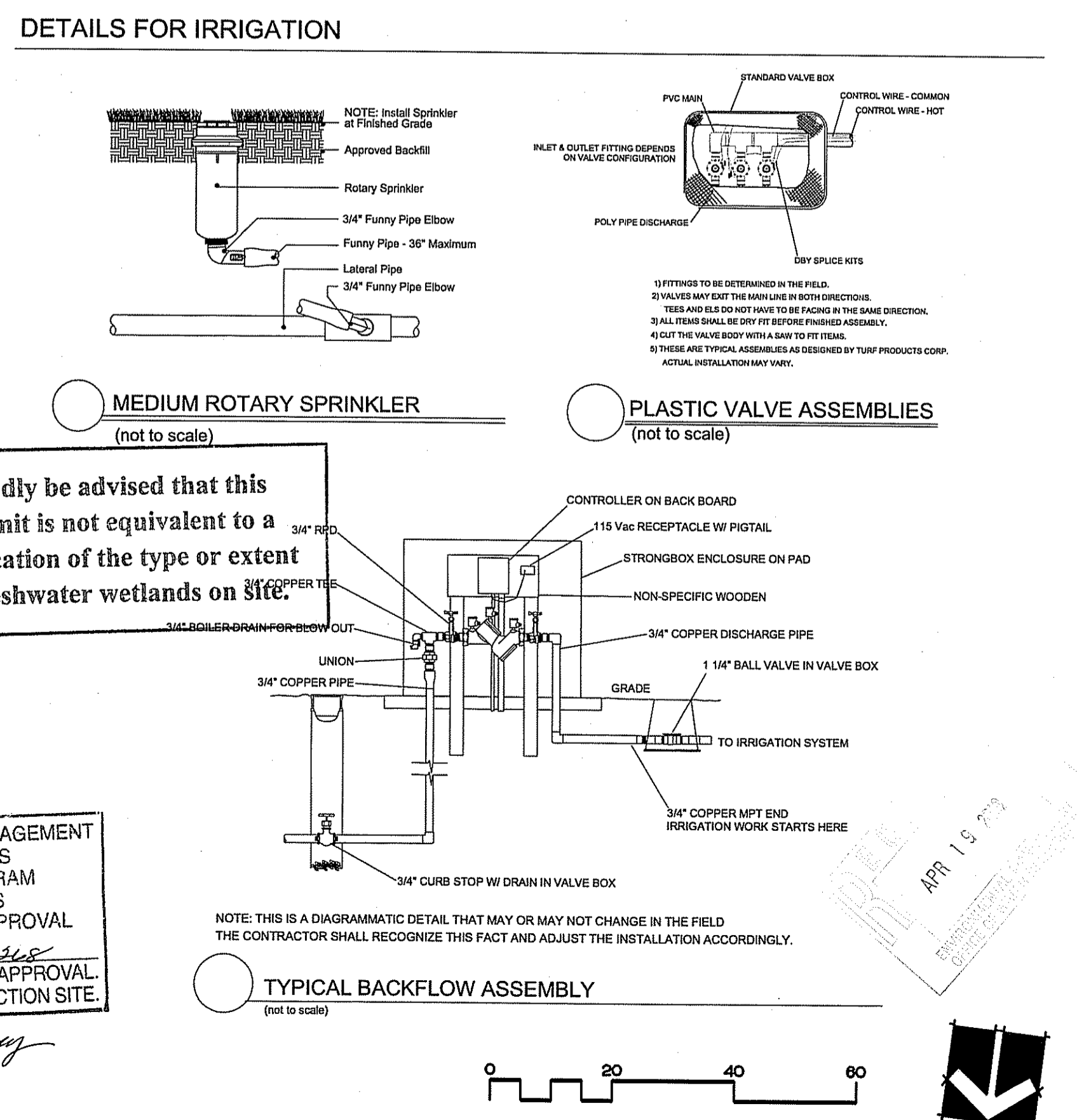
1) SYSTEM IS DESIGNED FOR UP TO 9 GPM PER ZONE. PRESSURE HAS BEEN REPORTED BY THE ARCHITECT AS 60 TO 90 PSI IN THE 3/4" COPPER PIPE.

2) INSTALLATION INSTRUCTIONS:  
 HEADS: INSTALL HEADS ON FUNNY PIPE SWING JOINTS. SET TO GRADE. BACKFILL IN CLEAN MATERIAL. PROPERLY ADJUST THROW, ARC, AND FIELD POSITION FOR OPTIMUM PERFORMANCE.  
 VALVES: INSTALL VALVE MANIFOLDS IN STANDARD VALVE BOX. INSTALL A 3/4" BOILER DRAIN FOR SYSTEM WINTERIZATION POINT. INSTALL BALL VALVE IN A 10" ROUND VALVE BOX. USE ALL PVC MPT & TOE END NIPPLES. FIELD LOCATE ALL ITEMS. FINAL LOCATION TO BE SELECTED BY THE OWNER'S REPRESENTATIVE.  
 CONTROLLER: WALL MOUNT IN THE ENCLOSURE MOUNTED ON A NON SPECIFIC WOODEN BACKBOARD. INSTALL CONDUIT FOR THE CONTROL WIRES THRU THE CONCRETE PAD AND INTO GRADE. INSTALLER SHALL PROPERLY LOCATE THE RAIN SENSOR FOR OPTIMUM PERFORMANCE. CONTROLLER POWER FROM A DIGITAL TO A 115 VAC RECEPTACLE MOUNTED ON THE WOODEN BACKBOARD.  
 POINT OF CONNECTION: 3/4" AT 60 TO 90 PSI. INSTALL A MUELLER DRAINABLE 3/4" CURB STOP FOR SHUT-OFF. ANY PIPE THAT CAN FREEZE SHALL HAVE A DRAIN. FOLLOW ALL CODES FOR TYPE PIPE, DEPTHS, ETC.  
 BACKFLOW ASSEMBLY: INSTALL A 3/4" REDUCED PRESSURE TYPE BACKFLOW PREVENTER. INSTALL AN AIR GAP DRAIN FROM THE SPILLWAY TO A DRAIN AND SUMP OUTSIDE OF THE ENCLOSURE. FOLLOW ALL APPLICABLE CODES AND LAWS. ALL WORK TO BE AS REQUIRED BY LOCAL CODES.  
 ENCLOSURE: INSTALL BACKFLOW, BLOW-OUT, AND CONTROLLER W/ POWER IN THE SAME ENCLOSURE. ENCLOSURE TO BE A STRONGBOX MODEL SBBC-40AL. INSTALL ON A POURED CONCRETE PAD, PER MANUFACTURER'S INSTRUCTIONS. INSTALL CONDUIT FOR ACCESS OF PIPE & WIRE THRU THE PAD.  
 PIPE & WIRE: PVC MAIN: TRENCH OR VIBRATORY PLOW 12" DEEP. INSTALL WITH WIRE. LATERALS: TRENCH OR PULL 8" TO 12" DEEP. WIRE: CONTROL WIRE TO BE #18/8 GAUGE MULTI-STRAND UF TO EACH VALVE BOX. USE DBY SPLICE KITS.

3) DESIGN IS DIAGRAMMATIC. INSTALLER SHALL FIELD LOCATE ALL ITEMS WITHOUT COMPROMISING THE INTEGRITY OF THIS DESIGN. ANY CHANGES TO THE NUMBER OF HEADS OR VALVES, OR TO THE HYDRAULICS SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK. PIPE ROUTING, HEAD AND VALVE PLACEMENT SHALL BE THE RESPONSIBILITY OF THE INSTALLER, USING THIS DESIGN AS A GUIDE.

4) AVERAGE RUN TIMES PER ZONE TO ACHIEVE 1" OF WATER PER WEEK SHALL BE 30 MINUTES PER DAY FOR ROTARY ZONES, 10 MIN/DAY FOR SPRAY. END USER SHALL PROPERLY ADJUST RUN TIMES FOR CHANGING FIELD AND SEASONAL CONDITIONS.

5) IRRIGATION INSTALLER IS RESPONSIBLE FOR, BUT NOT LIMITED TO THE COMPLETE INSTALLATION OF THIS IRRIGATION SYSTEM. FOLLOW ALL APPLICABLE CODES AND LAWS. CONTACT A UTILITY MARKING COMPANY PRIOR TO THE COMMENCEMENT OF WORK.



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 JUN - 9 2010 FILE # 08-0318  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

*W. Joseph Curry*

**Weston & Sampson**  
 Weston & Sampson  
 100 Foxborough Blvd., S.250  
 Foxborough, MA 02035  
 www.westonandsampson.com

DATE \_\_\_\_\_

REGISTERED PROFESSIONAL ENGINEER

APPROVED BY: \_\_\_\_\_

DATE: \_\_\_\_\_

SCALE: 1" = 20'

CONTRACT: 2080039-IR

JOB NO: 2080039

ISSUED BY: BSO/AMM

CHK BY: MSM

APP BY: ERB

FILE NO: 2080039-IR

IRRIGATION PLAN

Town of South Kingstown, Rhode Island  
 Department of Parks and Recreation  
 Village Green Improvements, Peace Dale

PERMITTING DOCUMENTS 04-16-10

SHEET 17 OF 17