

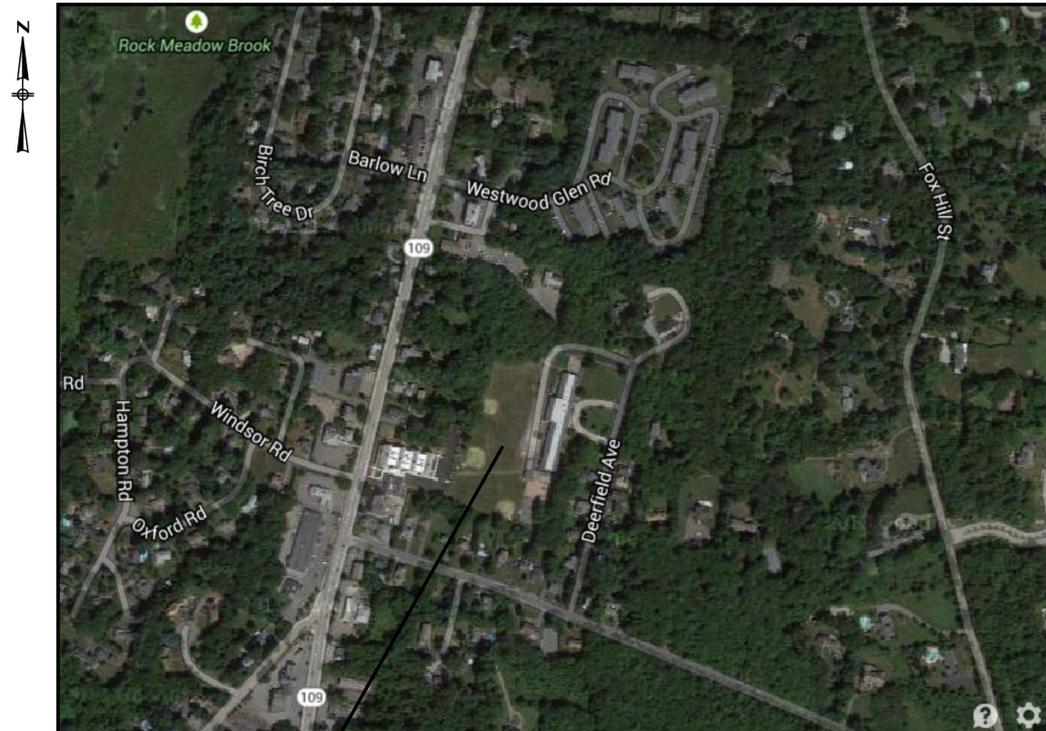
TOWN OF WESTWOOD, MASSACHUSETTS DEERFIELD RECREATIONAL FIELD IMPROVEMENTS

AUGUST 25, 2015



BOARD OF SELECTMEN

Mr. Michael F. Walsh, Chair
Mr. Patrick J. Ahearn, Clerk
Ms. Nancy C. Hyde



**PROJECT
LOCATION**

LOCATION MAP
NOT TO SCALE

PREPARED BY:



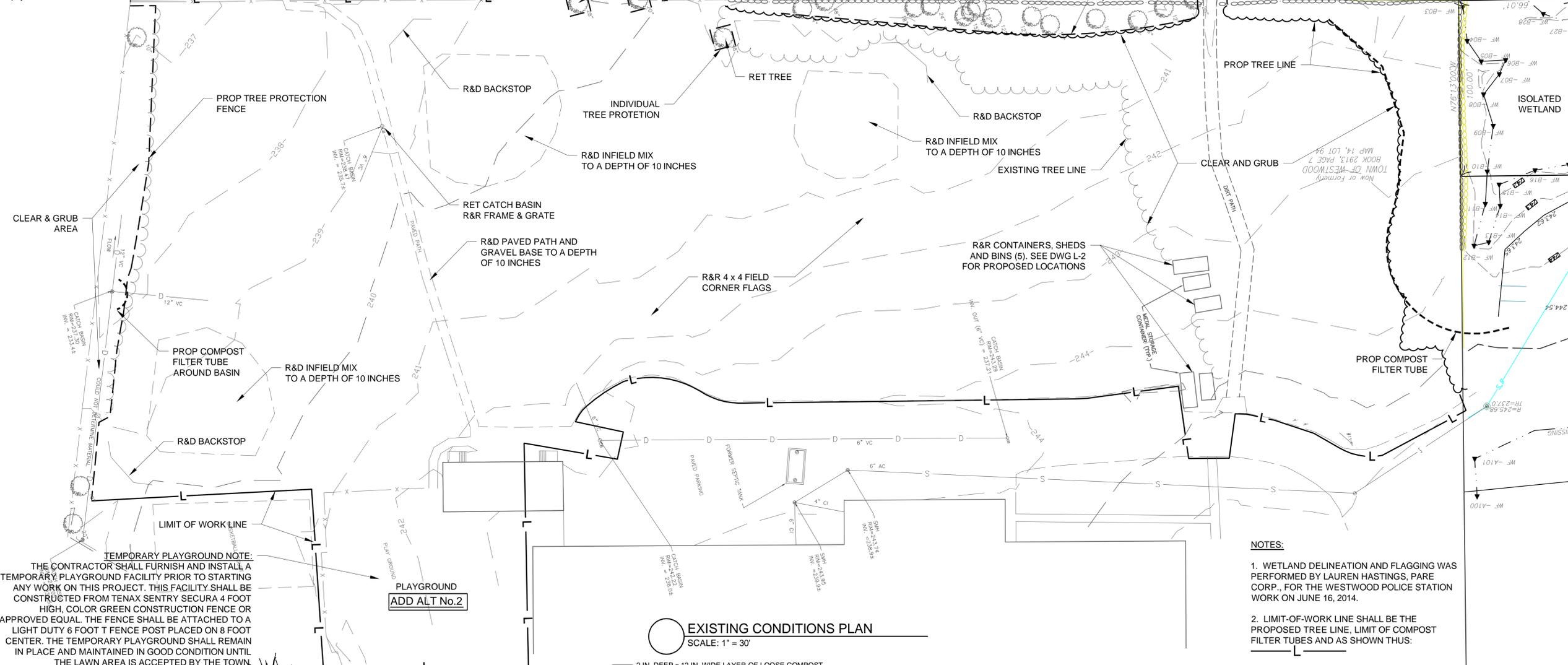
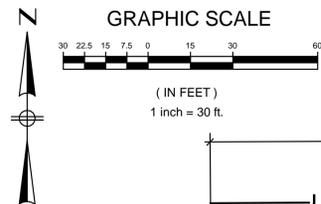
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315 Norwood Park South, Norwood, MA 02062 781.255.1982
email: BETA@BETA-inc.com

PLAN INDEX

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
	TITLE SHEET & INDEX
L-1	EXISTING CONDITIONS & SITE PREPARATION PLAN
L-2	LAYOUT & MATERIALS PLAN
L-3	GRADING & DRAINAGE PLAN
L-4	BALL FIELD DETAILS
L-5	IRRIGATION PLAN
L-6	IRRIGATION DETAILS



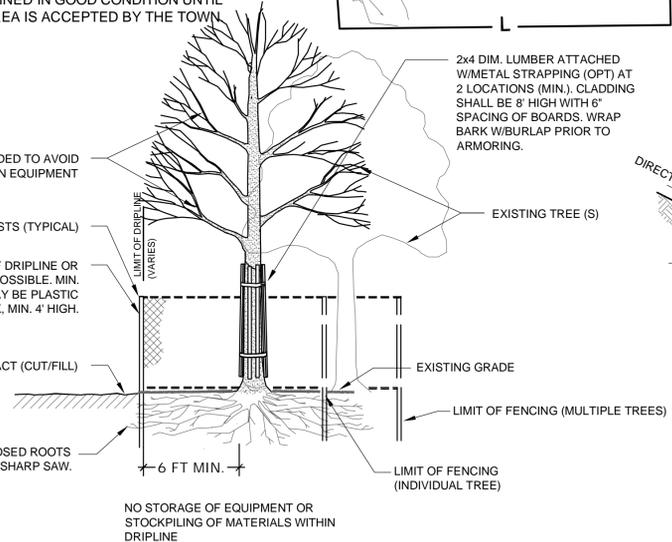
Scott T. Ridder August 25 2015
REGISTERED LANDSCAPE ARCHITECT DATE



TEMPORARY PLAYGROUND NOTE:
 THE CONTRACTOR SHALL FURNISH AND INSTALL A TEMPORARY PLAYGROUND FACILITY PRIOR TO STARTING ANY WORK ON THIS PROJECT. THIS FACILITY SHALL BE CONSTRUCTED FROM TENAX SENTRY SECURA 4 FOOT HIGH, COLOR GREEN CONSTRUCTION FENCE OR APPROVED EQUAL. THE FENCE SHALL BE ATTACHED TO A LIGHT DUTY 6 FOOT T FENCE POST PLACED ON 8 FOOT CENTER. THE TEMPORARY PLAYGROUND SHALL REMAIN IN PLACE AND MAINTAINED IN GOOD CONDITION UNTIL THE LAWN AREA IS ACCEPTED BY THE TOWN

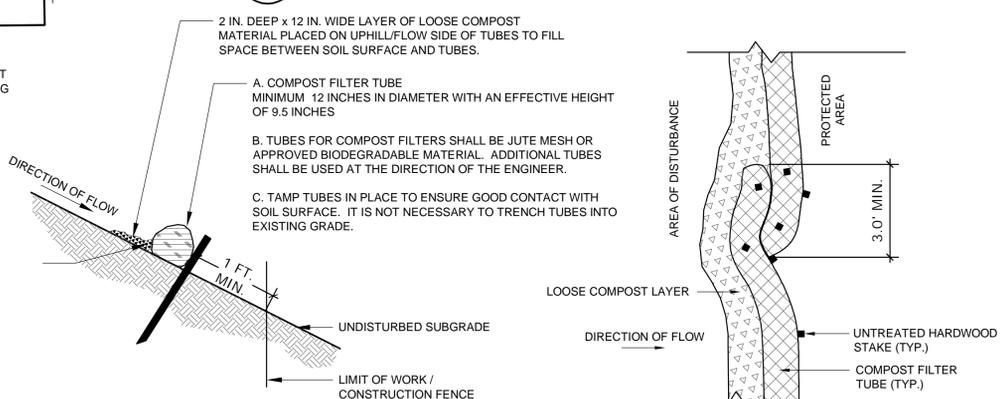
NOTES:
 1. WETLAND DELINEATION AND FLAGGING WAS PERFORMED BY LAUREN HASTINGS, PARE CORP., FOR THE WESTWOOD POLICE STATION WORK ON JUNE 16, 2014.
 2. LIMIT-OF-WORK LINE SHALL BE THE PROPOSED TREE LINE, LIMIT OF COMPOST FILTER TUBES AND AS SHOWN THUS:

LEGEND
 R&D REMOVE AND DISPOSE
 RET RETAIN
 R&R REMOVE AND RESET



SECTION

TREE PROTECTION-EXISTING TREE(S)
 NOT TO SCALE

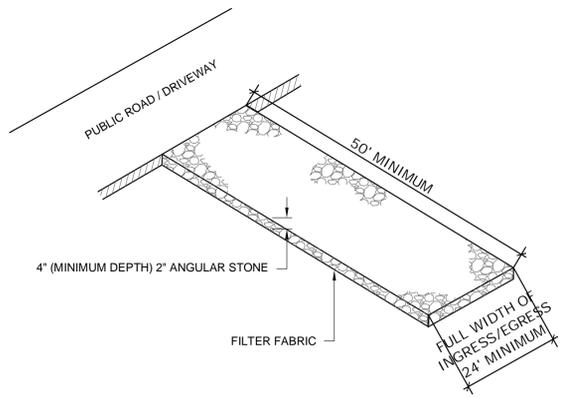


SECTION

PLAN VIEW - JOIN DETAIL

- GENERAL NOTES:**
- PROVIDE A MINIMUM TUBE DIAMETER OF 12 INCHES FOR SLOPES UP TO 50 FEET IN LENGTH WITH A SLOPE RATIO OF 3H:1V OR STEEPER. LONGER SLOPES OF 3H:1V MAY REQUIRE LARGER TUBE DIAMETER OR ADDITIONAL COURSING OF FILTER TUBES TO CREATE A FILTER BERM. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR SITUATIONS WITH LONGER OR STEEPER SLOPES.
 - INSTALL TUBES ALONG CONTOURS AND PERPENDICULAR TO SHEET OR CONCENTRATED FLOW.
 - DO NOT INSTALL IN PERENNIAL, EPHEMERAL OR INTERMITTENT STREAMS.
 - CONFIGURE TUBES AROUND EXISTING SITE FEATURES TO MINIMIZE SITE DISTURBANCE AND MAXIMIZE CAPTURE AREA OF STORMWATER RUN-OFF.

COMPOST FILTER TUBE
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CONSTRUCTION ENTRANCE
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 Subconsultant:

Project
Deerfield Recreational Field Improvements
 Westwood, Massachusetts

Title
Existing Conditions & Site Preparation Plan

Revisions

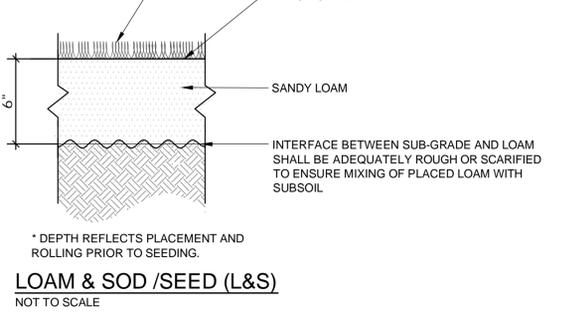
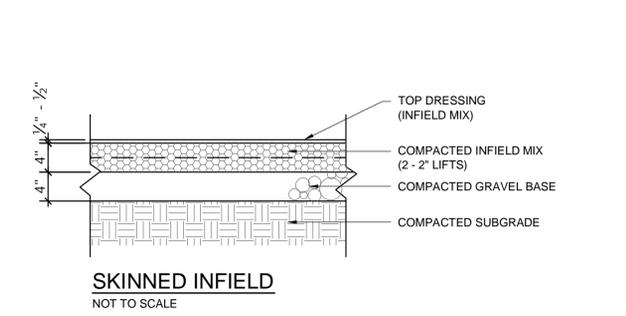
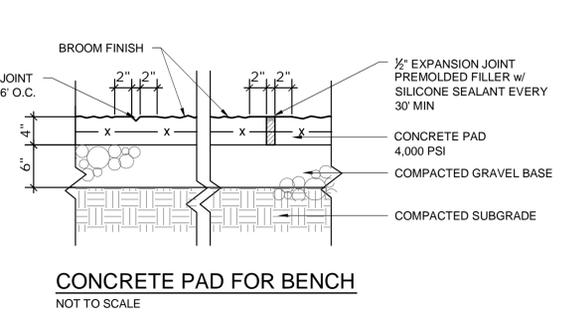
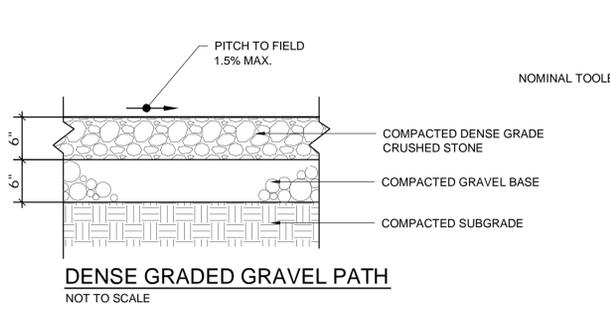
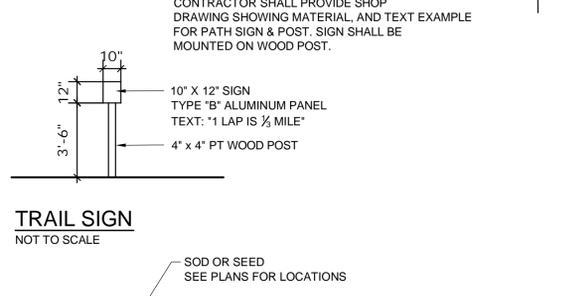
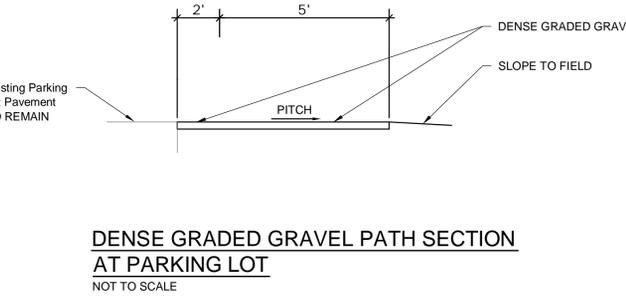
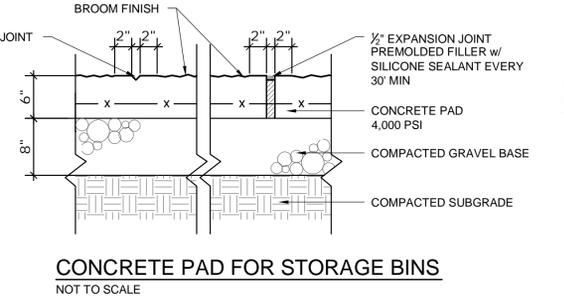
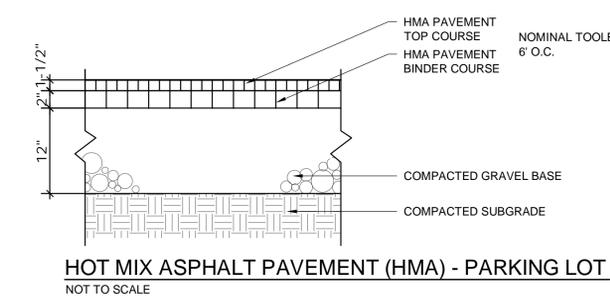
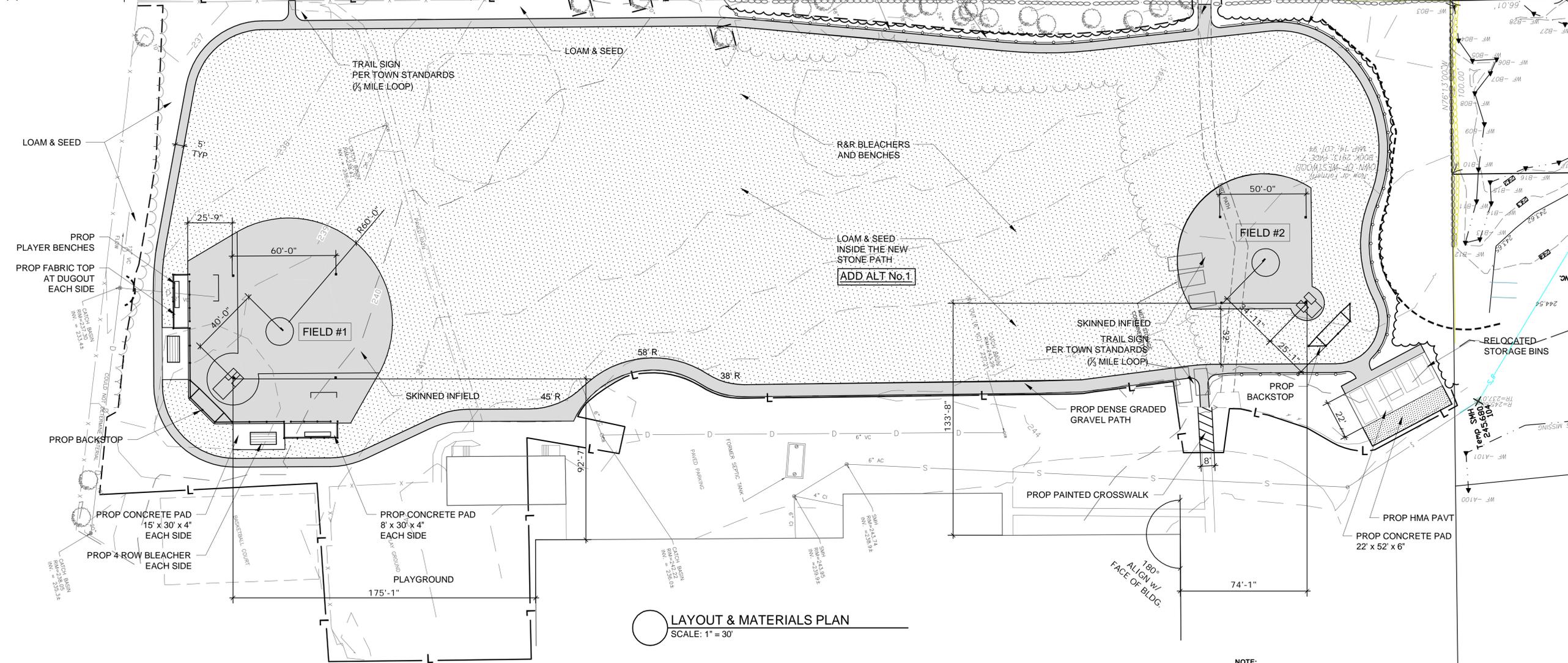
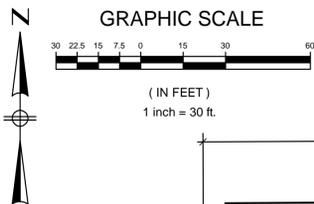
No.	Description	Date

File:
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 Designed By: SR
 Checked By: RC
 Job No: 4911 Date: AUGUST 25, 2015

North Arrow

As Shown
 Scale
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Sheet No:
L-1
 Plot Date: Aug 25, 2015 2:55pm



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 Subconsultant:

Project
**Deerfield
 Recreational Field
 Improvements**
 Westwood, Massachusetts

Title
**LAYOUT &
 MATERIALS PLAN**

Revisions

No.	Description	Date

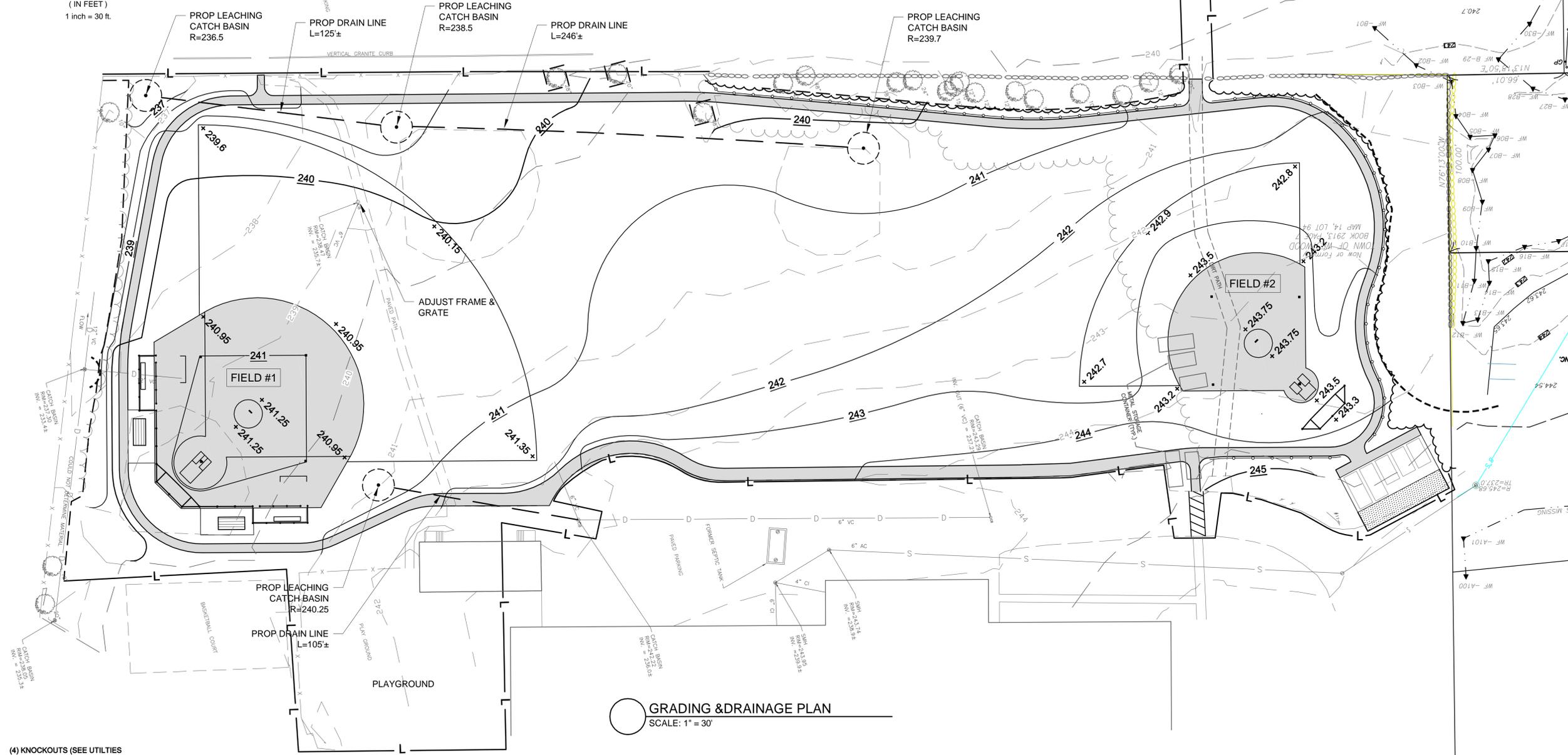
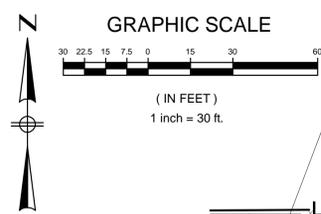
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 Checked By: RC
 Job No: 4911 Date: AUGUST 25, 2015

North Arrow

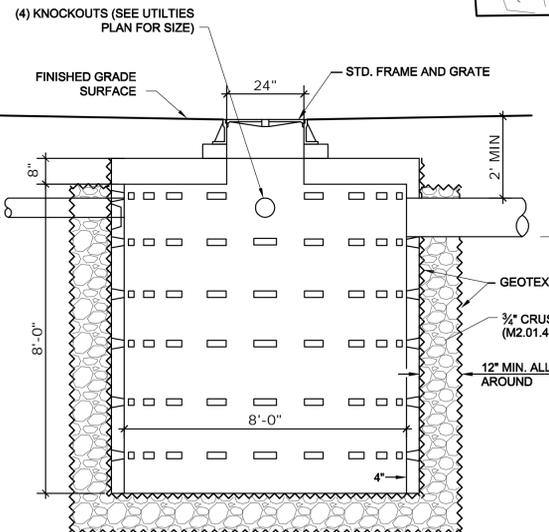
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Sheet No:
L-2
 Plot Date: Aug 25, 2015 2:58pm

C:\Planning_Landscape\4900s\4911 - Deerfield Park Westwood\DRAWING\4911-Deerfield_School.dwg



GRADING & DRAINAGE PLAN
SCALE: 1" = 30'



- NOTES:**
1. THE GEOTEXTILE SHALL MEET THE REQUIREMENTS OF AASHTO M 288-96 AND THE FOLLOWING:
 - A. NEEDLE PUNCHED NONWOVEN GEOTEXTILE
 - B. HEATBONDED AND SLIT FILM GEOTEXTILES MAY NOT BE USED.
 2. FRAMES AND GRATES TO BE ADJUSTED TO FINISHED GRADE SURFACE USING BRICKS AND MORTAR.
 3. DRY WELL
 - A. CONTRACTOR TO SUBMIT SHOP DRAWING FOR APPROVAL
 - B. 5,000 PSI @ 28 DAYS
 - C. DESIGNED FOR H-20 LOADING

LEACHING CATCH BASIN DETAIL
NOT TO SCALE

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Project
Deerfield Recreational Field Improvements
 Westwood, Massachusetts

Title
GRADING & DRAINAGE PLAN

Revisions

No.	Description	Date

File: SR
 Drawn By: RC
 Designed By:
 Checked By:
 Job No: 4911 Date: AUGUST 25, 2015

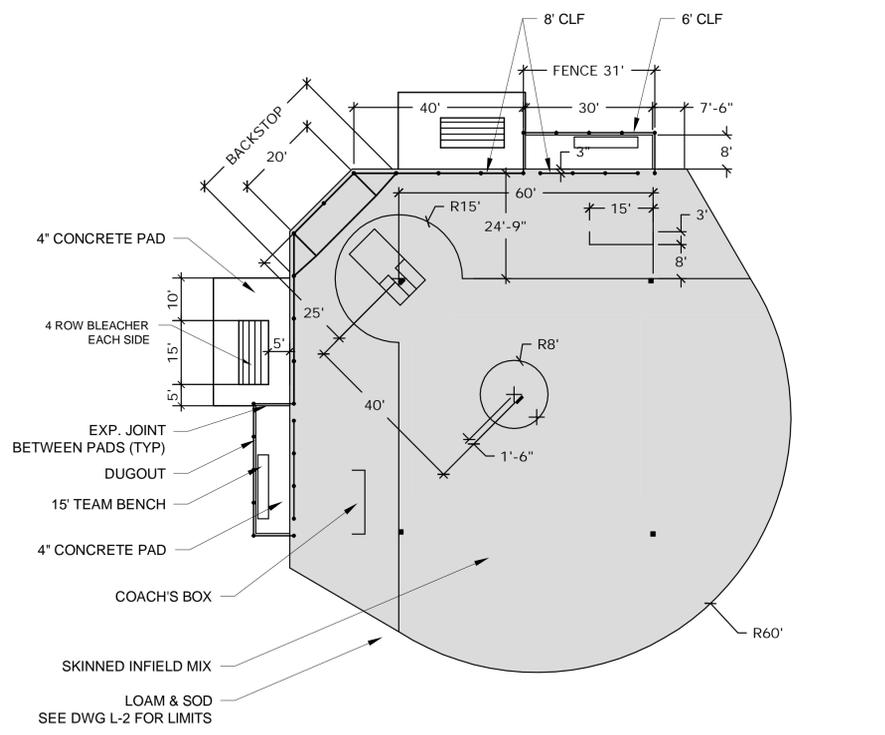
North Arrow

As Shown

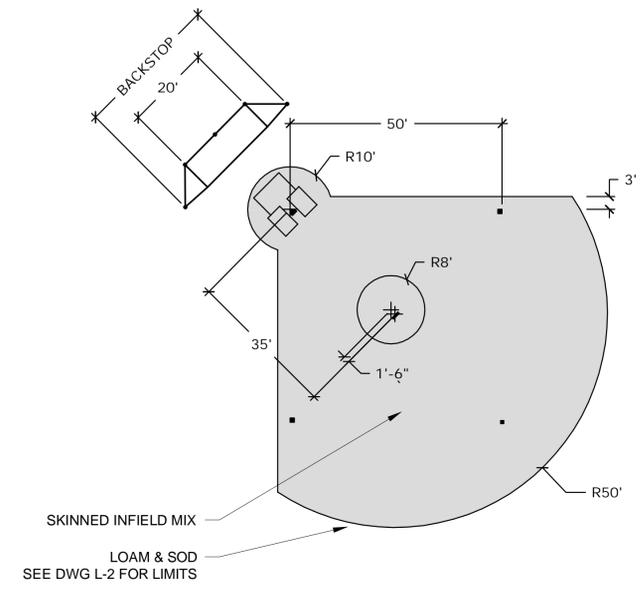
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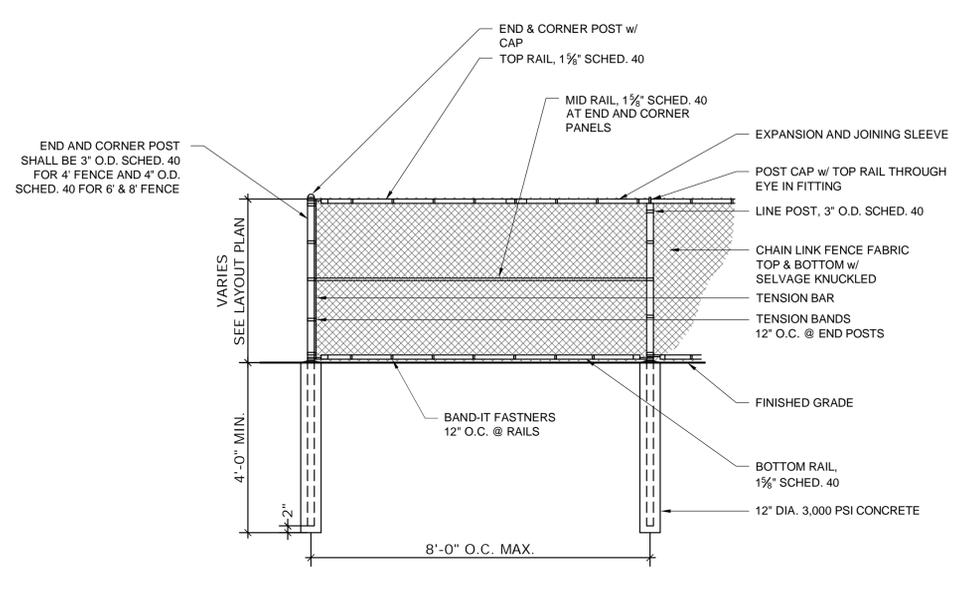
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L-3
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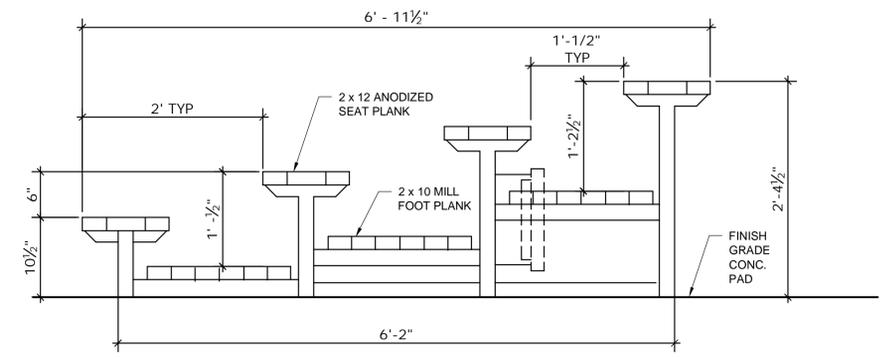
60 FOOT SOFTBALL FIELD - FIELD #1
SCALE: 1" = 20'



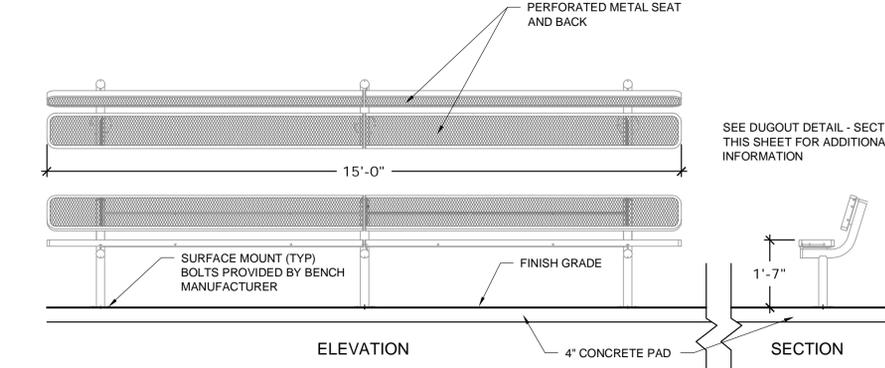
50 FOOT SOFTBALL FIELD - FIELD #2
SCALE: 1" = 20'



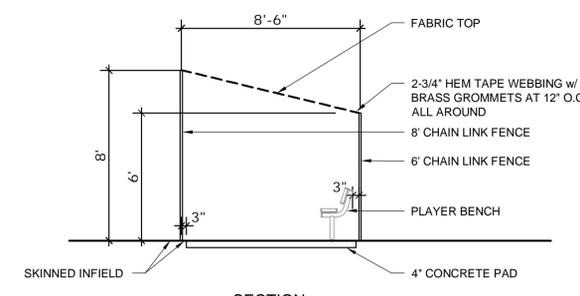
ELEVATION VIEW
4' & 6' & 8' BLACK VINYL CHAIN LINK FENCE DETAIL
NOT TO SCALE



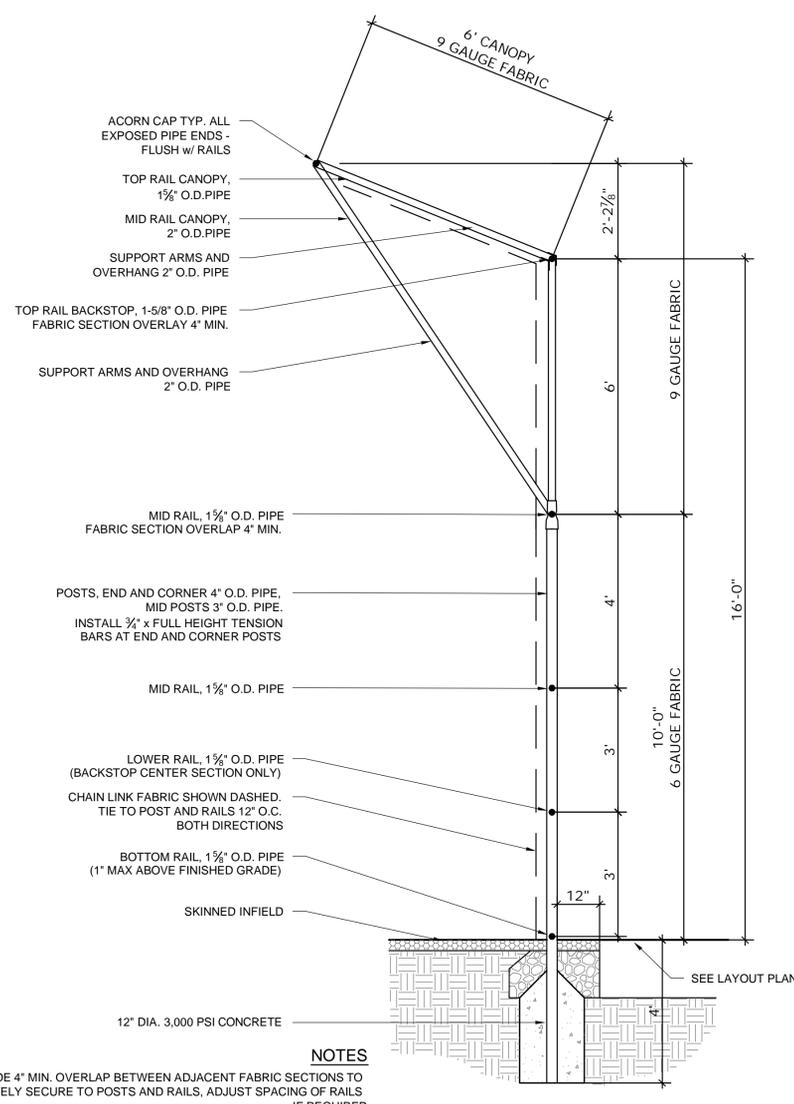
4 ROW BLEACHER
NOT TO SCALE



PLAYER'S BENCH
NOT TO SCALE



DUGOUT DETAIL
NOT TO SCALE



NOTES
PROVIDE 4" MIN. OVERLAP BETWEEN ADJACENT FABRIC SECTIONS TO COMPLETELY SECURE TO POSTS AND RAILS, ADJUST SPACING OF RAILS IF REQUIRED.
ALL FABRIC 2" MESH KNUCKLE SELVAGE BOTH ENDS.
SPECIFICATIONS FOR CHAIN LINK FENCING APPLY TO BACKSTOPS.

SECTION ELEVATION

BACKSTOP DETAIL (ELEVATION)
NOT TO SCALE

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Project
**Deerfield
Recreational Field
Improvements**
Westwood, Massachusetts

Title
BALLFIELD DETAILS

Revisions

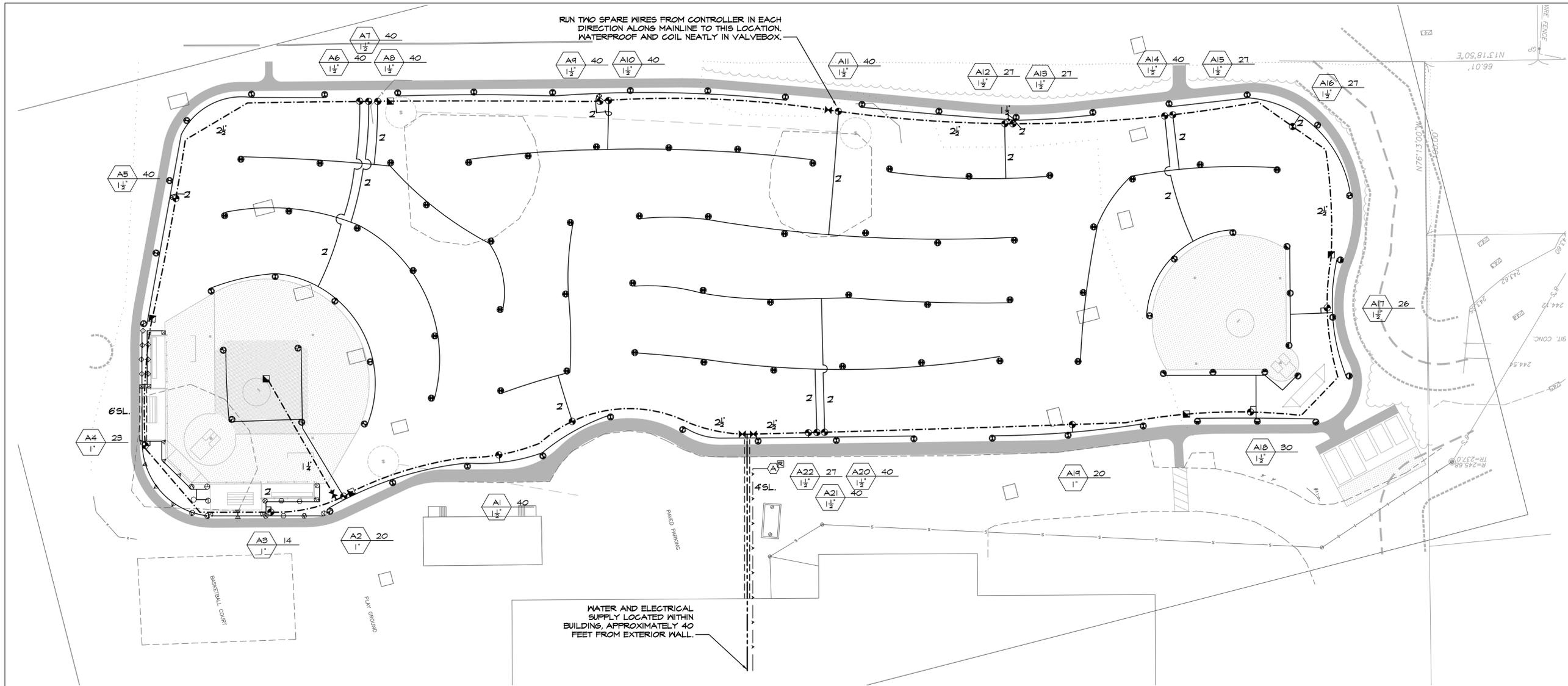
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Job No: 4911 Date: AUGUST 25, 2015

North Arrow

Scale
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2:\irrigation\Projects\BETA\4911-Deerfield School Irrigation - Standard\4911-Deerfield School Irrigation.dwg



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Project
**Deerfield
 Recreational Field
 Improvements**
 Westwood, Massachusetts

Title
**IRRIGATION
 PLAN**

Revisions

No.	Description	Date

File:
 Drawn By: JLW
 Designed By: JLW
 Checked By: BEV
 Job No: 4911 Date: 05-20-2015

North Arrow
As Shown

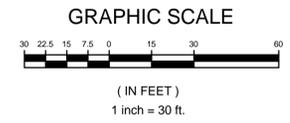
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Sheet No.:
L-5
 Plot Date: Jul 13, 2015 10:36am

IRRIGATION LEGEND			
SYMBOL	PSI	SPACING	DESCRIPTION
	45	45'	LARGE ROTARY SPRINKLER WITH CHECK VALVE (STANDARD NOZZLES)
	45	95'	SMALL ROTARY SPRINKLER WITH CHECK VALVE (STANDARD NOZZLES)
	30	15'	4-INCH POP UP SPRAY SPRINKLER W/ CHECK VALVE AND PRESS. REG.
	30	12'	
	30	10'	
	30	8'	
	30	4x30'	24 VOLT ELECTRIC ZONE VALVE (SEE VALVE DESIGNATOR FOR FLOW AND SIZES) ISOLATION GATE VALVE
	30	4x15'	
	1" QUICK COUPLING VALVE		
	CLASS-200 PVC LATERAL PIPING (SIZE AS INDICATED), ALL UNMARKED PIPE TO BE 1 1/2-INCH		
	CLASS-200 PVC MAINLINE PIPING		
	2-INCH COPPER SUPPLY PIPING		
	POWER SUPPLY TO CONTROLLER		
	CLASS-160 PVC PIPE SLEEVE (SIZE AS INDICATED) INSTALL 3/4-40 PVC WIRE CONDUIT ADJACENT TO ALL MAINLINE PIPE SLEEVES, MINIMUM WIRE CONDUIT SIZE TO BE 2-INCH, UNLESS OTHERWISE NOTED. SEE SLEEVING DETAIL.		
	AUTOMATIC RAIN SENSOR		
	AUTOMATIC CONTROLLER		
VALVE DESIGNATION:			
	STATION NO.		
	FLOW		
	VALVE SIZE		

IRRIGATION NOTES

1. ALL PIPE AND VALVE LOCATIONS ARE DIAGRAMMATIC, CONTRACTOR SHALL FIELD VERIFY.
2. ALL CONTROL WIRE SHALL BE #14 GAUGE SINGLE STRAND RED, ALL COMMON WIRE SHALL BE #12 GAUGE SINGLE STRAND WHITE AND ALL SPARE WIRES, INSTALLED WHERE SHOWN, SHALL BE #14 GAUGE SINGLE STRAND BLUE.
3. QUICK COUPLING VALVES SHALL BE INSTALLED ON 1 INCH PVC SWING JOINTS WITH BRASS INSERTS AND STABILIZERS.
4. ALL SPRAY SPRINKLERS SHALL BE INSTALLED ON 1/2 INCH PREFABRICATED UNITIZED PVC SWIVEL JOINT ASSEMBLIES, MEDIUM ROTORS SHALL BE INSTALLED ON 3/4 INCH PREFABRICATED UNITIZED SWIVEL JOINT ASSEMBLIES. ALL LARGE ROTARY SPRINKLERS SHALL BE INSTALLED ON 1-INCH PVC PREFABRICATED UNITIZED SWING JOINT ASSEMBLIES WITH INTEGRAL O-RINGS.
5. IRRIGATION SYSTEM IS DESIGNED SUPPLY TO PROVIDE 40 GPM MAX FROM NEW 2 INCH SERVICE OUT OF BOILER ROOM. SYSTEM TO PRODUCE 65-PSI DYNAMIC PRESSURE AT IRRIGATION POINT OF CONNECTION.
6. CONTRACTOR SHALL TEST DYNAMIC PRESSURE BEFORE STARTING WORK, REPORT ANY DEVIATION FROM PRESSURE REQUIRED TO OWNER'S REP. BEFORE CONTINUING.
7. INSTALL CONTROLLER IN ENCLOSURE GENERALLY WHERE INDICATED ON PLAN. HARDWIRE TO 120V DEDICATED CIRCUIT. ROUTE ALL ZONE AND SPARE WIRES TO CONTROLLER VIA 2 INCH CONDUIT.
8. INSTALL RAIN SENSOR ON EXTERIOR OF ENCLOSURE.
9. ALL ABOVE GROUND WIRING, INSIDE AND OUTSIDE OF BUILDING, SHALL BE INSTALLED IN SCHEDULE 40 PVC CONDUIT.
10. COORDINATE LOCATION OF EXISTING AND FUTURE UTILITIES ON SITE AND CONTACT PROPER AUTHORITIES AND UTILITY COMPANIES BEFORE THE START OF WORK.
11. SPRAY SPRINKLERS SHALL HAVE 4 INCH POP UP HEIGHT.
12. CONTRACTOR MUST PROVIDE PRODUCT SUBMITTALS AS PER THE WRITTEN SPECIFICATIONS TO THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO ORDERING MATERIAL AND BEGINNING WORK.
13. ONCE APPROVED SUBMITTALS HAVE BEEN RETURNED TO THE CONTRACTOR, WORK MAY BEGIN. THE OWNER'S REPRESENTATIVE MUST BE NOTIFIED A MINIMUM OF 7-DAYS IN ADVANCE OF THE START OF WORK TO COORDINATE ON-SITE SUPERVISION AND ADMINISTRATION.
14. SEE IRRIGATION DETAILS AND SPECIFICATIONS SECTION 328400 FOR ADDITIONAL NECESSARY INFORMATION.



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Subconsultant:

Project

**Deerfield
Recreational Field
Improvements**
Westwood, Massachusetts

Title

**IRRIGATION
DETAILS**

Revisions

No.	Description	Date

File:

Drawn By: JLW

Designed By: JLW

Checked By: BEV

Job No: 4911 Date: 05-20-2015

North Arrow

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Scale

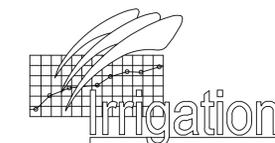
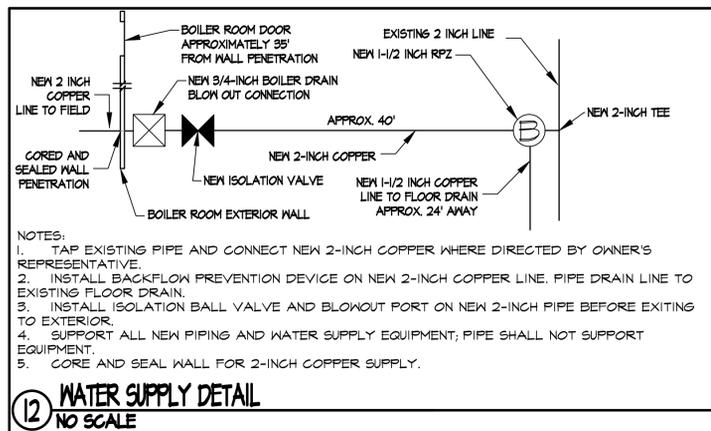
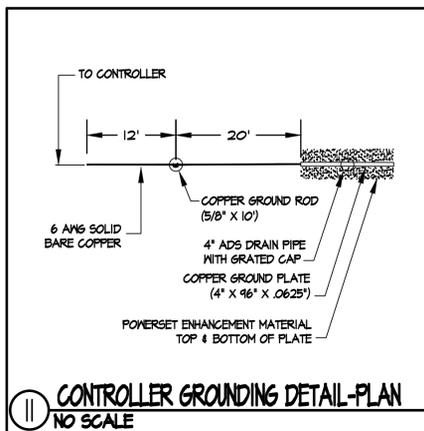
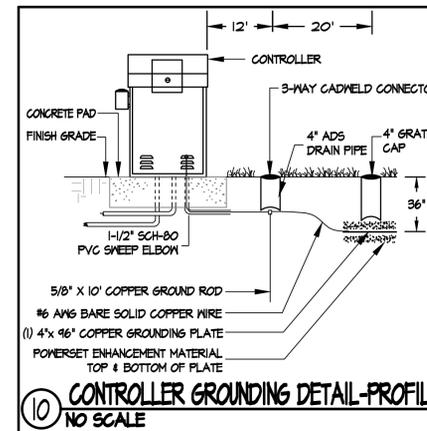
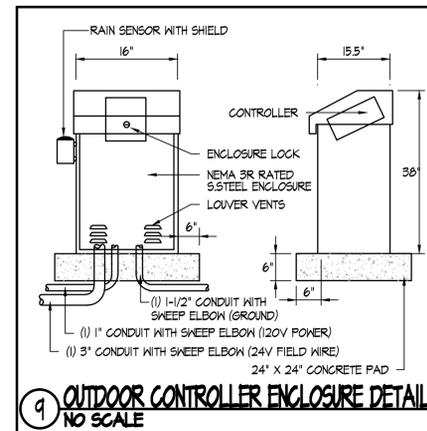
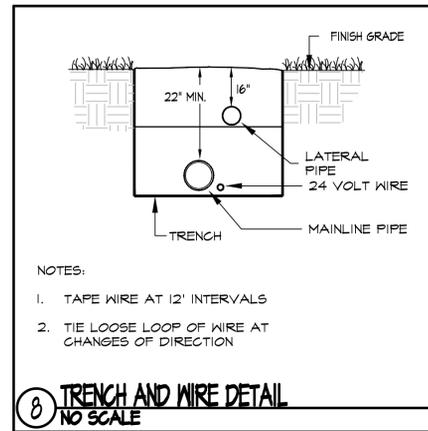
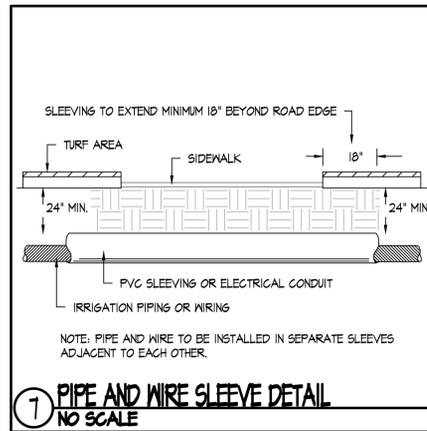
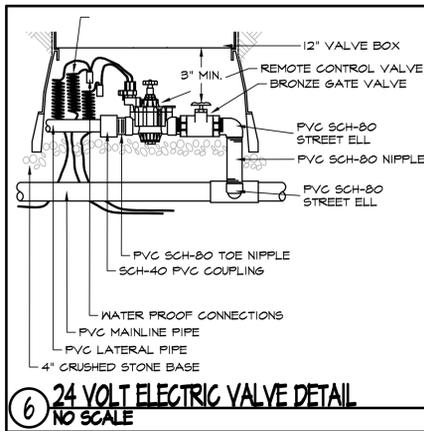
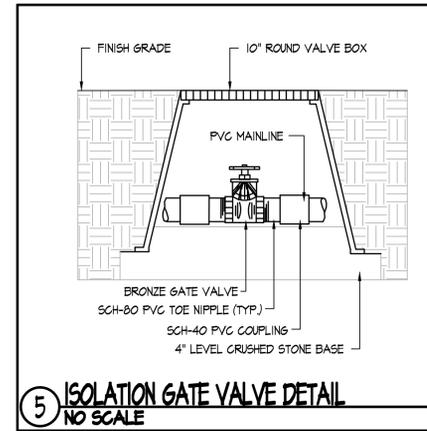
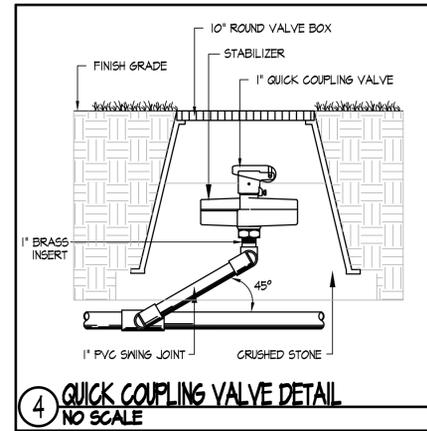
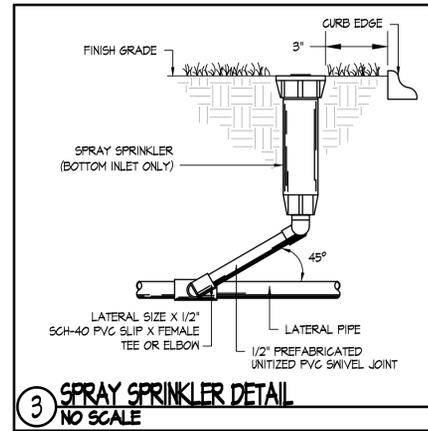
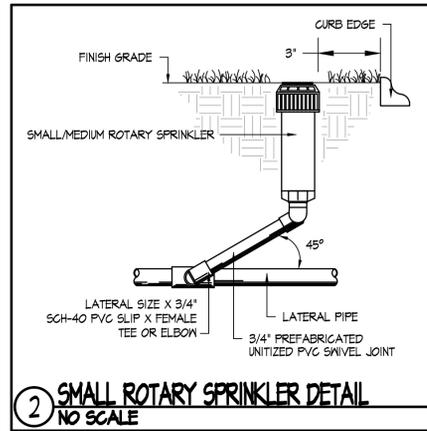
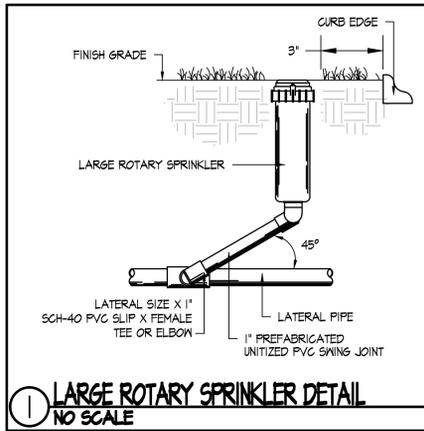
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L-6

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