

100% PERMITTING DRAWINGS FOR

# ATHLETIC FIELD IMPROVEMENTS - Phase One

## Martha's Vineyard Regional High School

January 22, 2020

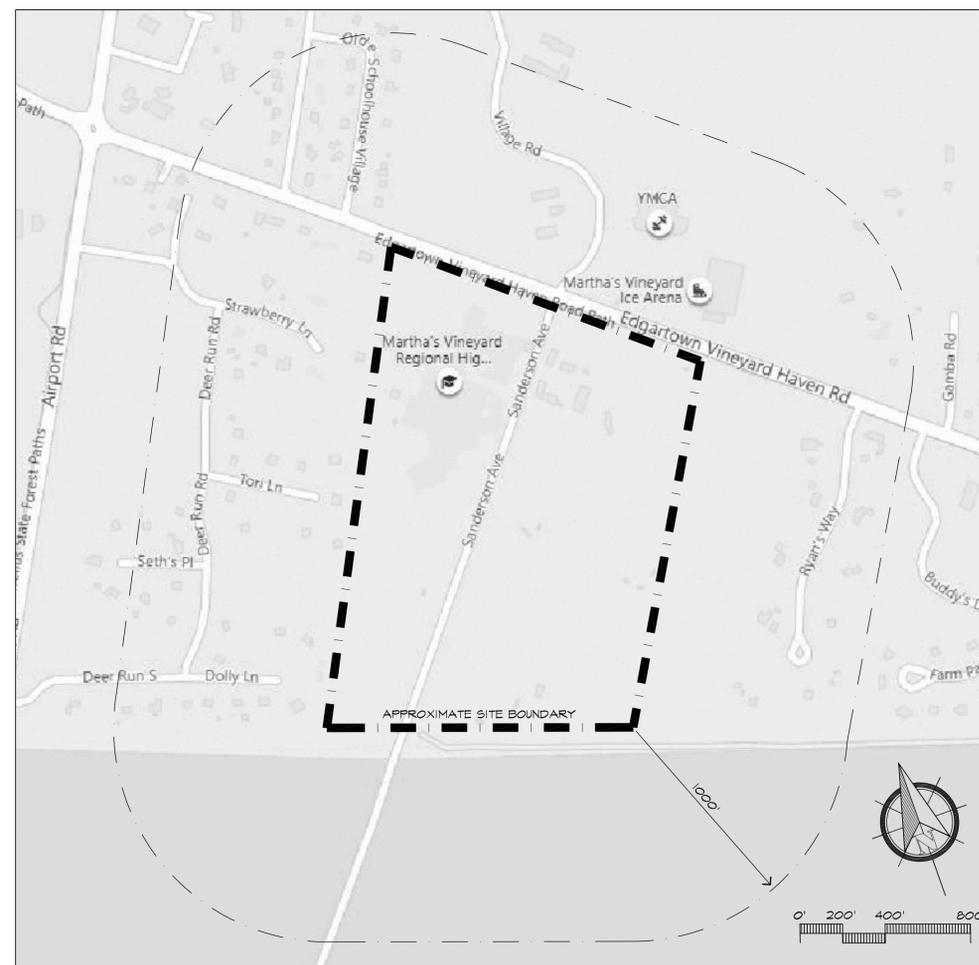


OWNER:  
Martha's Vineyard Regional School District  
4 Pine Street  
Vineyard Haven, Massachusetts 02568

### LIST OF DRAWINGS:

- CP-1 OVERALL CAMPUS PLAN
- EX-1 EXISTING CONDITIONS PLAN
- EX-2 EXISTING CONDITIONS PLAN
- SP-1 SITE PREPARATION PLAN
- SP-2 SITE PREPARATION DETAILS
  
- L-1 LAYOUT & MATERIALS PLAN
- L-2 GRADING & DRAINAGE PLAN
- L-3 LANDSCAPE PLAN
- L-4 TRACK & FIELD CONSTRUCTION DETAILS
- L-5 TRACK & FIELD CONSTRUCTION DETAILS
- L-6 TRACK & FIELD CONSTRUCTION DETAILS
- L-7 TRACK & FIELD CONSTRUCTION DETAILS
- L-8 TRACK & FIELD CONSTRUCTION DETAILS
- L-9 TRACK & FIELD CONSTRUCTION DETAILS
- L-10 GRANDSTAND PLANS & DETAILS
- L-11 ENLARGEMENT PLAN
- L-12 LAYOUT & MATERIALS PLAN (Field #2)
- L-13 GRADING & DRAINAGE PLAN (Field #2)
  
- A100 FIELDHOUSE PLANS & ELEVATIONS
  
- E000 ELECTRICAL LEGEND & DETAILS
- E001 ELECTRICAL DETAILS
- E101 ELECTRICAL SITE PLAN

### LOCUS PLAN



### PROJECT TEAM

LANDSCAPE ARCHITECT:  
**Huntress Associates, Inc.**  
17 Tewksbury Street  
Andover, Massachusetts 01810  
978.470.8882



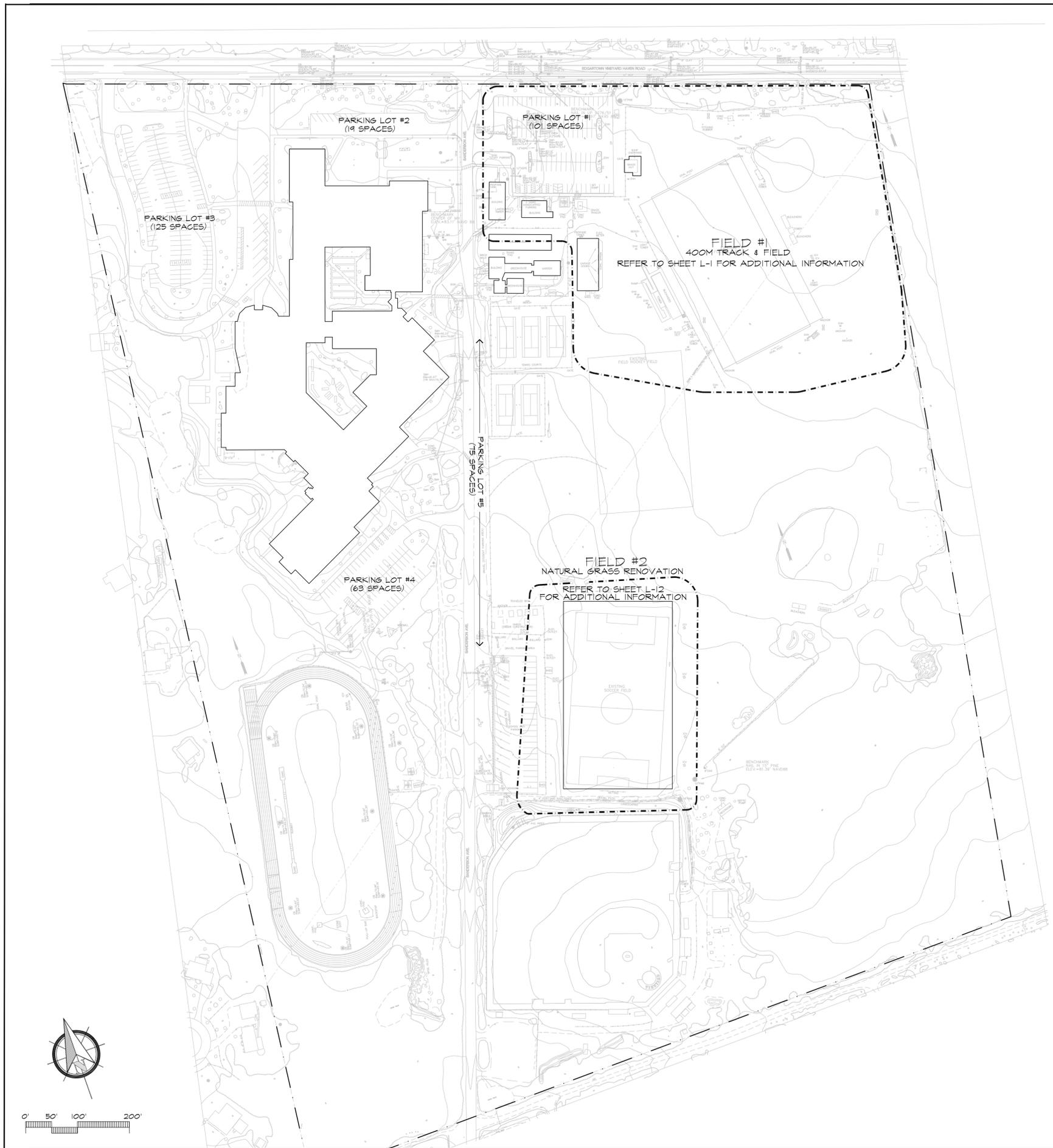
CIVIL ENGINEER  
**Marchionda & Associates**  
62 Montvale Avenue  
Stoneham, Massachusetts 02180

ARCHITECT  
**Joseph D. Lagrasse & Associates, Inc.**  
One Elm Square  
Andover, Massachusetts 01810

ELECTRICAL ENGINEER  
**BALA Consulting**  
52 Temple Place  
Boston, Massachusetts 02111



OWNER'S PROJECT MANAGER  
**CHA / Daedalus Projects, Inc.**  
1 Fanuel Hall Marketplace - Suite 4195  
Boston, Massachusetts 02109



## Overall Campus Parking Summary

PARKING LOT	EXISTING PARKING	PROPOSED PARKING	NOTES
PARKING LOT #1	101	101	12 SPACES RECONFIGURED
PARKING LOT #2	19	19	EXISTING, NO CHANGE
PARKING LOT #3	125	125	EXISTING, NO CHANGE
PARKING LOT #4	63	63	EXISTING, NO CHANGE
PARKING LOT #5	75	75	EXISTING, NO CHANGE
TOTAL PARKING COUNT	383 SPACES	383 SPACES	EXISTING, NO CHANGE

### LAYOUT AND MATERIAL NOTES

- EXISTING CONDITIONS PLAN ENTITLED "TOPOGRAPHIC SURVEY" PREPARED BY MARCHIONDA ASSOCIATES, LP - OF STONEHAM, MA DATED OCTOBER 23, 2014.
- PRIOR TO THE START OF ANY EXCAVATION FOR THE PROJECT BOTH ON AND OFF SITE, THE CONTRACTOR SHALL NOTIFY DIGSAFE AND BE PROVIDED WITH A DIGSAFE NUMBER INDICATING THAT ALL EXISTING UTILITIES HAVE BEEN LOCATED AND MARKED.
- CONTRACTOR(S) SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL CONSTRUCTION DOCUMENTS, SPECIFICATIONS, AND SITE CONDITIONS PRIOR TO BIDDING AND PRIOR TO CONSTRUCTION.
- ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, AND SITE CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE LANDSCAPE ARCHITECT FOR CLARIFICATION AND RESOLUTION PRIOR TO BIDDING OR CONSTRUCTION.
- ALL DIMENSIONS ARE TAKEN TO THE FIELD CENTERLINE, EXCEPT WHERE OTHERWISE NOTED.
- SCREENED IMAGES SHOW EXISTING CONDITIONS. WHERE EXISTING CONDITIONS LIE UNDER OR ARE IMPINGED UPON BY PROPOSED BUILDINGS AND/OR SITE ELEMENTS, THE EXISTING CONDITION WILL BE REMOVED, ABANDONED AND/OR GAPPED OR DEMOLISHED AS REQUIRED.

### GRADING & UTILITY NOTES

- EXISTING CONDITIONS PLAN ENTITLED "TOPOGRAPHIC SURVEY" PREPARED BY MARCHIONDA ASSOCIATES, LP., DATED 10/23/14
- PRIOR TO THE START OF ANY EXCAVATION FOR THE PROJECT BOTH ON AND OFF THE SITE, THE CONTRACTOR SHALL NOTIFY DIGSAFE AND BE PROVIDED WITH A DIGSAFE NUMBER INDICATING THAT ALL EXISTING UTILITIES HAVE BEEN LOCATED AND MARKED.
- WHERE PROPOSED GRADES MEET EXISTING GRADES, CONTRACTOR SHALL BLEND GRADES TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW WORK. FONDING AT TRANSITION AREAS WILL NOT BE ALLOWED.
- CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL ATHLETIC FIELDS
- MAXIMUM SLOPE IN DISTURBED AREAS SHALL NOT EXCEED 3:1, UNLESS OTHERWISE NOTED.
- ENSURE ALL EXISTING (TO REMAIN), AND PROPOSED MANHOLE COVERS PROPERLY IDENTIFY UTILITY SERVICED.
- CONTRACTOR SHALL VERIFY EXISTING GRADES AND NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
- BITUMINOUS CONCRETE ELEVATIONS AT CATCH BASINS TO BE 1/4 INCH ABOVE RIM ELEVATION SHOWN FOR CATCH.
- CONTRACTOR TO ADJUST UTILITY ELEMENT MEANT TO BE FLUSH WITH GRADE (CLEAN-OUTS, UTILITY MANHOLES, CATCH BASINS, INLETS, ETC) THAT IS AFFECTED BY SITE WORK OR GRADE CHANGES, WHETHER SPECIFICALLY NOTED ON PLANS OR NOT.



Huntress Associates, Inc.

Landscape Architecture & Land Planning

17 Tewksbury Street  
Andover, Massachusetts 01810  
978 470 8882 FAX 978 470 8890



Project:

**Martha's Vineyard  
Regional High School**

Oak Bluffs, Massachusetts

Drawing Title:

**Overall Campus Plan**



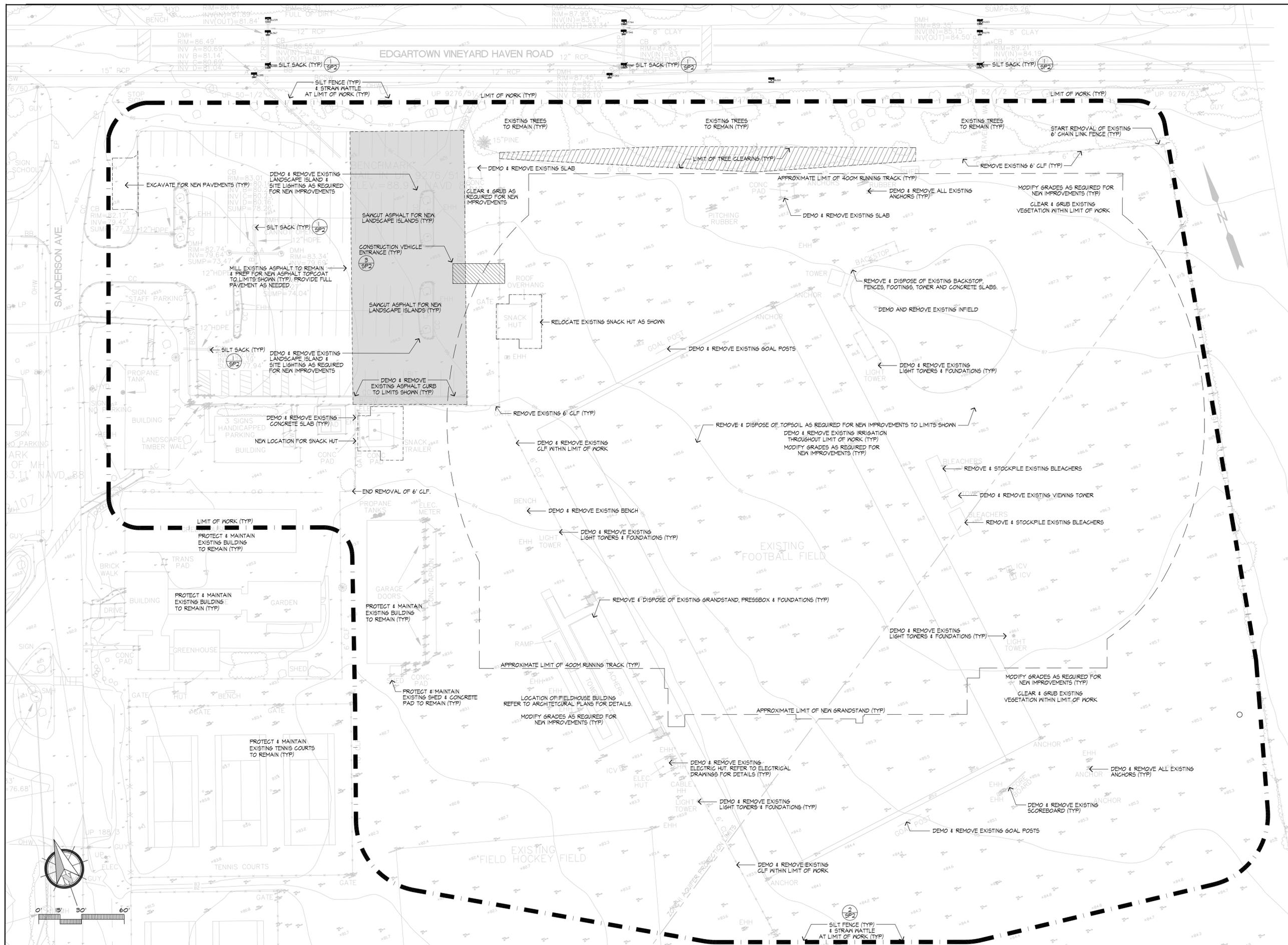
**PRELIMINARY DESIGN  
NOT FOR CONSTRUCTION**

Revision \_\_\_\_\_ Date \_\_\_\_\_

Scale: 1"=100' Drawing No. CP-1  
Date: 1.22.20  
Job: 00-107  
File: PR-mp  
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Project:

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Oak Bluffs, Massachusetts

Drawing Title:

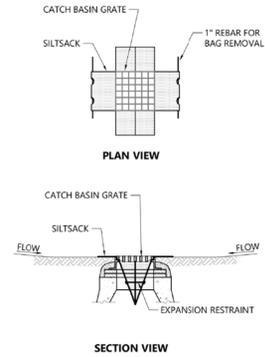
**Site Preparation Plan**



**PRELIMINARY DESIGN  
NOT FOR CONSTRUCTION**

Revision \_\_\_\_\_ Date \_\_\_\_\_

Scale: 1"=30' Drawing No. **Sp1**  
Date: 1.22.20  
Job: 00-107  
File: PR-mp  
Drawn: CCH of  
Checked: -- 1



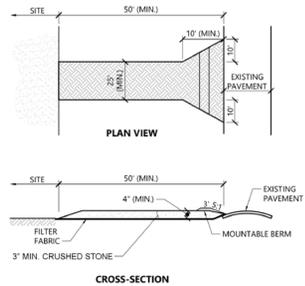
**NOTES**

1. INSTALL SILTSACK IN ALL CATCH BASINS WHERE INDICATED ON THE PLAN BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND HAY BALES HAVE BEEN REMOVED.
2. GRATE TO BE PLACED OVER SILTSACK.
3. SILTSACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED.

**1 CATCH BASIN FILTER DETAIL**

SCALE: 1/8"=1'-0"

SP-HB3L

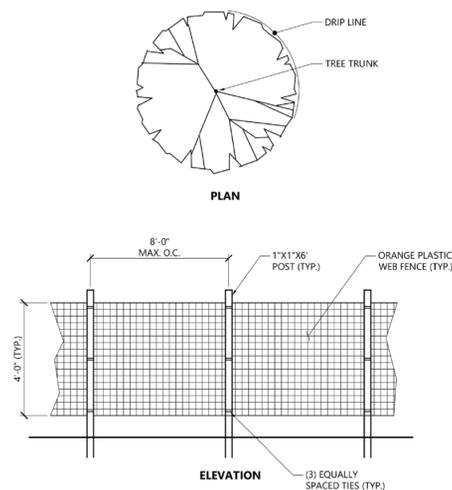


**NOTES**

1. EXIT WIDTH SHALL BE TWENTY-FIVE (25) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
2. THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DISPOSED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.
3. STABILIZED CONSTRUCTION EXIT SHALL BE REMOVED PRIOR TO FINAL FINISH MATERIALS BEING INSTALLED.
4. CONTRACTOR TO LOCATE IN THE FIELD.

**3 CONSTRUCTION VEHICLE ENTRANCE**

SP-HB3L

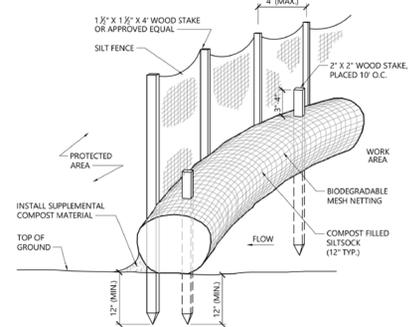


**NOTES**

1. INSTALL TREE PROTECTION FENCE AT THE DRIP LINE OF EXISTING TREES TO REMAIN.

**5 TREE PROTECTION**

SCALE: N.T.S.



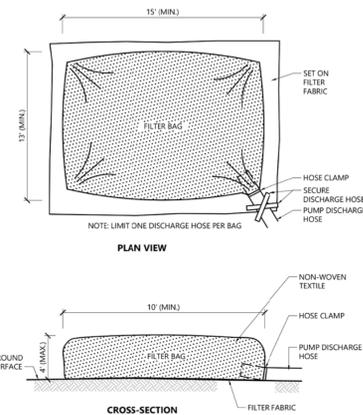
**NOTES**

1. SILTSOCK SHALL BE FILTEREX SILTSOCK, OR APPROVED EQUAL.
2. SILTSOCKS SHALL OVERLAP A MINIMUM OF 12 INCHES.
3. SILTSOCKS SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
4. COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
5. IF NON BIODEGRADABLE NETTING IS USED THE NETTING SHALL BE COLLECTED AND DISPOSED OF OFF-SITE.

**2 MULCH SOCK WITH SILTATION BARRIER**

SCALE: N.T.S.

SP-HB3L

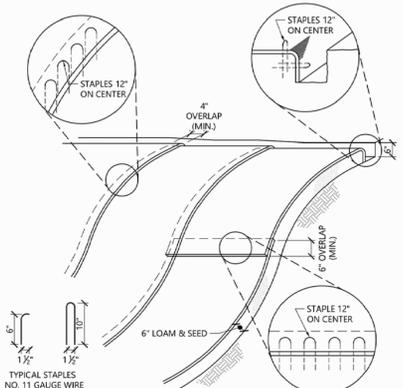


**NOTES**

1. BAG TO BE USED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

**4 DEWATER - FILTER SACK**

SCALE: N.T.S.



**NOTES**

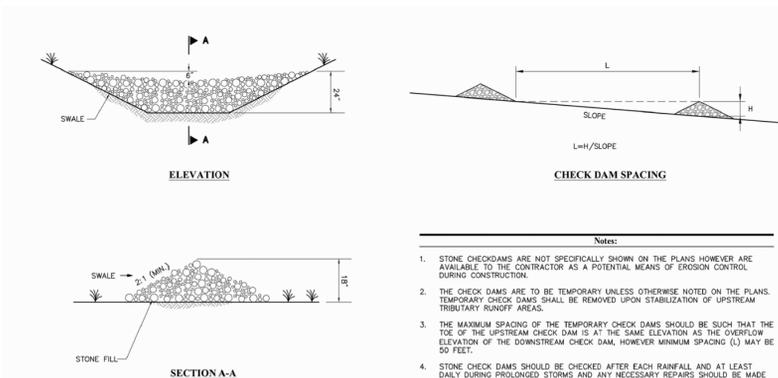
1. BEGIN AT THE TOP OF BLANKET INSTALLATION AREA BY ANCHORING BLANKET IN A 6" DEEP TRENCH BACKFILL AND COMPACT TRENCH AFTER STAPLING.
2. ROLL THE BLANKET DOWN THE SWALE IN THE DIRECTION OF THE WATER FLOW.
3. THE EDGES OF BLANKETS MUST BE STAPLED WITH APPROX. 4 INCH OVERLAP WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED.
4. WHEN BLANKETS MUST BE SPLICED DOWN THE SWALE, PLACE UPPER BLANKET END OVER LOWER END WITH 6 INCH (MIN.) OVERLAP AND STAPLE BOTH TOGETHER.
5. METHOD OF INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.
6. EROSION CONTROL BLANKETS SHALL BE USED IN ALL AREAS WHERE SLOPES EXCEED 3:1.

**6 EROSION CONTROL BLANKETS**

SCALE: N.T.S.

**SITE PREPARATION NOTES**

1. EXISTING CONDITIONS PLAN ENTITLED 'TOPOGRAPHIC SURVEY' PREPARED BY MARCHIONDA ASSOCIATES, LP OF STONEHAM, MA, DATED OCTOBER 28, 2019.
2. WITHIN THE LIMIT OF THE WORK LINE AS NOTED ON THE SITE PREPARATION PLANS, REMOVE AND DISCARD ALL CONCRETE PAVEMENT, BITUMINOUS CONCRETE PAVEMENT, BRICK PAVEMENT, TOP SOIL, MULCH, TRASH, DEAD TREES AND STUMPS, SHRUBBERY, CHAIN LINK FENCE POSTS, RAILS, FABRIC, GATES, FOOTINGS AND ALL APPURTENANCES, BOLLARDS, POSTS, CONCRETE FOOTINGS AND FOUNDATIONS, WALLS AND CURBS UNLESS OTHERWISE NOTED.
3. THE ARCHITECT SHALL BE CONSULTED AND WILL REVIEW THE WORK ON SITE WITH THE CONTRACTOR BEFORE ANY WORK SHALL COMMENCE.
4. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS TO THE ARCHITECT PRIOR TO STARTING WORK.
5. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING CONDITIONS TO REMAIN THAT ARE DUE TO CONTRACTOR OPERATIONS AND WHICH ARE INSIDE OR OUTSIDE THE LIMIT OF DEMOLITION.
6. ALL ITEMS TO BE REMOVED THAT ARE NOT STOCKPILED FOR LATER REUSE ON THE PROJECT OR DELIVERED TO THE OWNER SHALL BE LEGALLY DISPOSED OF OFF SITE BY THE CONTRACTOR.
7. THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE DIAGRAMMATIC ONLY. THE CONTRACTOR SHALL CONTACT DIGSAFE AND THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANIES TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS EFFORTS OF THE DEMOLITION WITH ALL TRADES.
9. THE CONTRACTOR SHALL MAINTAIN OR ADJUST TO NEW FINISH GRADE AS NECESSARY ALL UTILITY AND SITE STRUCTURES SUCH AS LIGHT POLES, SIGN POLES, MAN HOLES, CATCH BASINS, HAND HOLES, WATER AND GAS GATES, HYDRANTS, ETC., FROM MAINTAINED UTILITY AND SITE SYSTEMS UNLESS OTHERWISE NOTED OR DIRECTED BY THE OWNER'S REPRESENTATIVE.
10. THE CONTRACTOR SHALL COORDINATE ALL ADJUSTMENT OR ABANDONMENT OF UTILITIES WITH THE RESPECTIVE UTILITY COMPANY.
11. THE CONTRACTOR SHALL PROVIDE 6' CHAIN LINK CONSTRUCTION FENCE ALONG THE LIMIT-OF-WORK BOUNDARY AS NECESSARY TO SECURE THE SITE THROUGHOUT CONSTRUCTION.
12. THE CONTRACTOR SHALL PROVIDE & INSTALL SILT SACKS IN ALL CATCH BASINS WITHIN 200' OF THE LIMIT OF WORK LINE, OR AS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT IN THE FIELD.



**Notes:**

1. STONE CHECKDAMS ARE NOT SPECIFICALLY SHOWN ON THE PLANS HOWEVER ARE AVAILABLE TO THE CONTRACTOR AS A POTENTIAL MEANS OF EROSION CONTROL DURING CONSTRUCTION.
2. THE CHECK DAMS ARE TO BE TEMPORARY UNLESS OTHERWISE NOTED ON THE PLANS. TEMPORARY CHECK DAMS SHALL BE REMOVED UPON STABILIZATION OF UPSTREAM TRIBUTARY RUNOFF AREAS.
3. THE MAXIMUM SPACING OF THE TEMPORARY CHECK DAMS SHOULD BE SUCH THAT THE TOP OF THE UPSTREAM CHECK DAM IS AT THE SAME ELEVATION AS THE OVERFLOW ELEVATION OF THE DOWNSTREAM CHECK DAM, HOWEVER MINIMUM SPACING (L) MAY BE 50 FEET.
4. STONE CHECK DAMS SHOULD BE CHECKED AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED STORMS AND ANY NECESSARY REPAIRS SHOULD BE MADE IMMEDIATELY.
5. SEDIMENT SHOULD BE REMOVED FROM BEHIND THE CHECK DAMS WHEN IT HAS ACCUMULATED TO ONE HALF OF THE ORIGINAL HEIGHT OF THE CHECK DAM.
6. WHEN CHECK DAMS ARE REMOVED, THE DISTURBED AREA SHOULD BE BROUGHT TO THE EXISTING CHANNEL GRADE, SEEDED AND MULCHED WITH STRAW.

**7 EROSION CONTROL - CHECK DAMS**

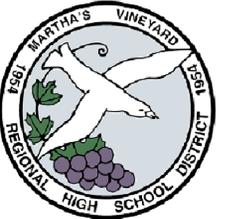
SCALE: N.T.S.



Huntress Associates, Inc.

Landscape Architecture & Land Planning

17 Tewksbury Street  
Andover, Massachusetts 01810  
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Project:

**Martha's Vineyard  
Regional High School**

Oak Bluffs, Massachusetts

Drawing Title:

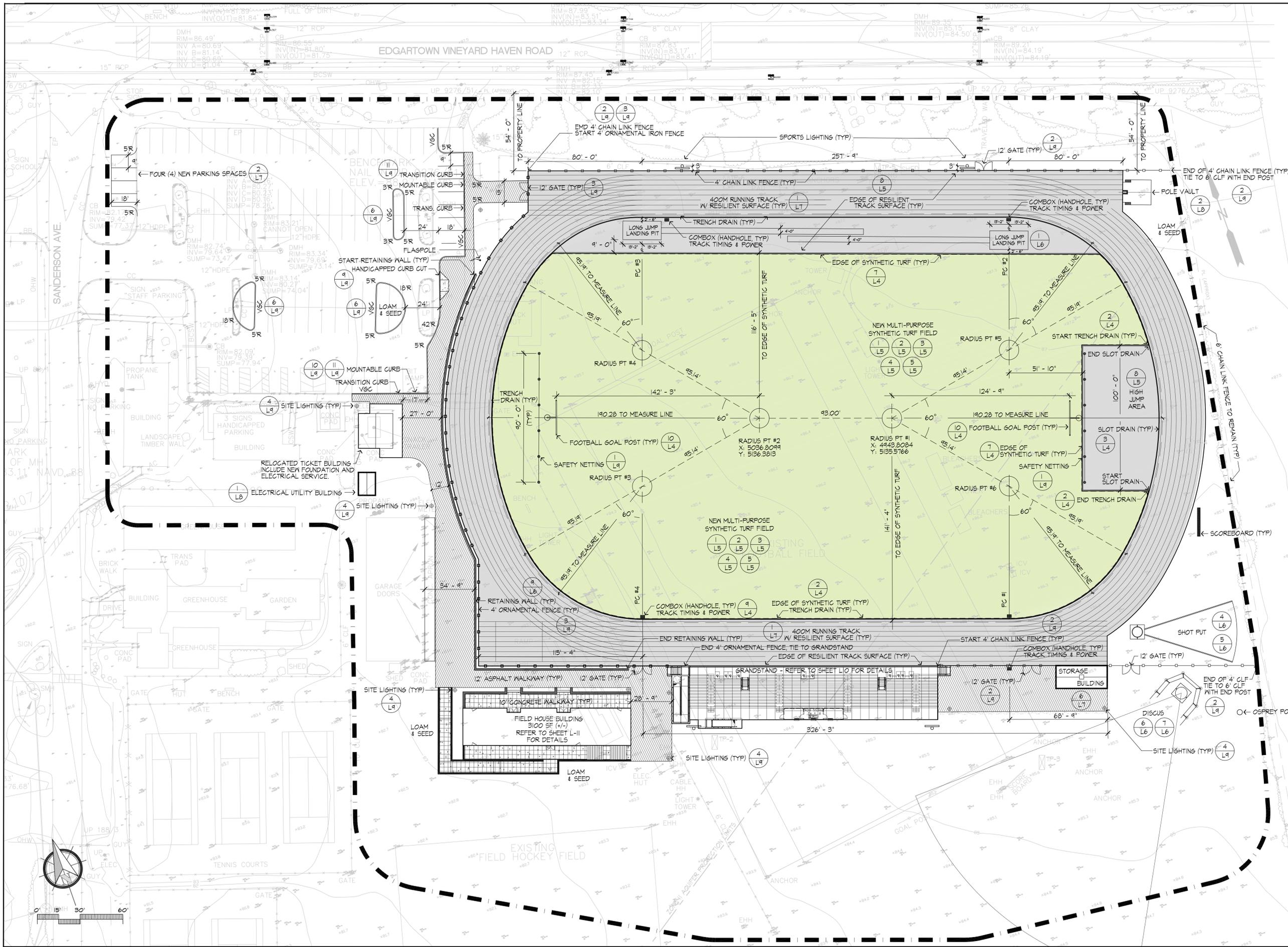
**Site Preparation Plan**



**PRELIMINARY DESIGN  
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Revision \_\_\_\_\_ Date \_\_\_\_\_

Scale: 1"=30' Drawing No. \_\_\_\_\_  
Date: 1.22.20 \_\_\_\_\_  
Job: 00-107 **Sp2**  
File: PR-mp \_\_\_\_\_  
Drawn: CCH of \_\_\_\_\_  
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Project:

**Martha's Vineyard  
Regional High School**

Oak Bluffs, Massachusetts

Drawing Title:

**Layout & Materials**



**PRELIMINARY DESIGN  
NOT FOR CONSTRUCTION**

Revision \_\_\_\_\_ Date \_\_\_\_\_

Scale: 1"=30' Drawing No.

Date: 1.22.20

Job: 00-107

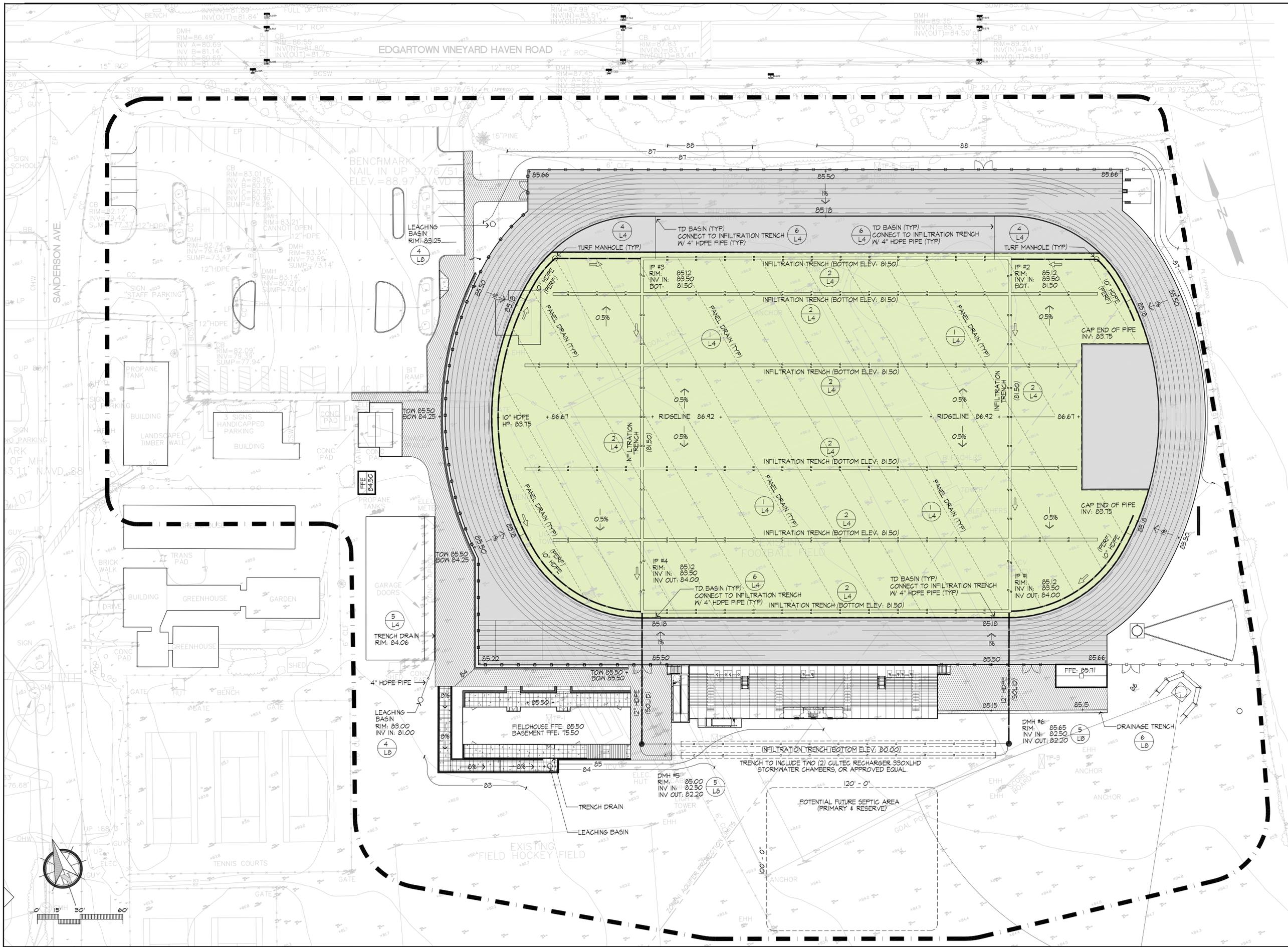
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**L-1**

**13**



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 Andover, Massachusetts 01810  
 978 470 8882 FAX 978 470 8890



Project:

**Martha's Vineyard  
 Regional High School**

Oak Bluffs, Massachusetts

Drawing Title:

**Grading & Drainage**



**PRELIMINARY DESIGN  
 NOT FOR CONSTRUCTION**

Revision \_\_\_\_\_ Date \_\_\_\_\_

Scale: 1"=30' Drawing No.

Date: 1.22.20

Job: 00-107

File: PR-mp

Drawn: CCH of

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**L-2**

**13**

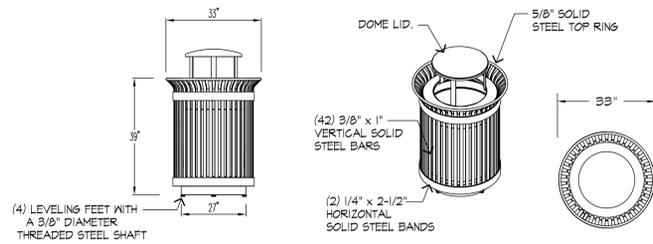
**PLANTING NOTES**

- CONTRACTOR SHALL BEGIN MAINTENANCE IMMEDIATELY AFTER PLANTING AND WILL CONTINUE UNTIL FINAL ACCEPTANCE.
- CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDING FOUNDATIONS, STRUCTURES, AND PLANTING BEDS.
- MAXIMUM SLOPE WITHIN DISTURBED AREAS SHALL NOT EXCEED 3:1, UNLESS OTHERWISE NOTED.
- ALL AREAS OF THE SITE WHICH HAVE BEEN DISTURBED AND NOT OTHERWISE DEVELOPED SHALL BE LOAMED AND SEEDED WITH A MINIMUM DEPTH OF 6" DEPTH TOPSOIL.
- ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISH GRADE AS TO ORIGINAL GRADES BEFORE DIGGING.
- MULCH FOR PLANTED AREAS TO BE ASED PINE BARK, PARTIALLY DECOMPOSED, DARK BROWN IN COLOR AND FREE OF WOOD CHIPS THICKER THAN 1/4 INCH. (INSTALL TO 3" DEPTH IN PLANT BEDS).
- PLANTING SOIL MIX: LOAM THOROUGHLY INCORPORATED WITH ROTTED MANURE PROPORTIONED 5 C.Y. TO 1 C.Y. OR EQUIVALENT. FEAT MOSS WITH FERTILIZER ADDED PER MANUFACTURER'S RECOMMENDED RATES.
- THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIALS FOR ONE (1) FULL YEAR FROM DATE OF ACCEPTANCE.

**IRRIGATION NOTES**

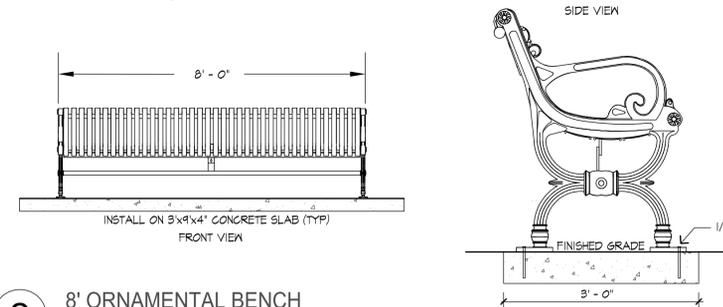
- ALL WORK IS TO BE IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL CODES AND ORDINANCES.
- ALL UNDERGROUND ELECTRICAL CONNECTIONS ARE TO BE MADE WITH DBY WIRE CONNECTORS.
- ALL AUTO CONTROL VALVES ARE TO BE INSTALLED IN CARSON VALVE BOXES OF APPROPRIATE SIZE.
- ALL CONTROL WIRING DOWNSTREAM OF THE CONTROLLER IS TO BE 14 AWG, UL APPROVED FOR DIRECT BURY.
- ALL ROTORS AND SPRAY POP-UPS SHALL BE INSTALLED ON SWING JOINTS.
- ALL GCV SHALL BE INSTALLED ON 9-ELBOW PVC SWING JOINTS.
- SYSTEM DESIGN BASED UPON EXISTING CONNECTION TO BUILDING WATER SUPPLY.
- CONTRACTOR TO VERIFY WATER PRESSURE AND AVAILABILITY PRIOR TO INSTALLATION.
- 120V. TO CONTROLLER AND COPPER STUB, BY IRRIGATION CONTRACTOR.
- THE CONTRACTOR SHALL BE REQUIRED TO FURNISH AND INSTALL ALL MATERIALS NECESSARY TO COMPLETE THE AUTOMATIC IRRIGATION SYSTEM IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS (SECTION 02810).
- CONTRACTOR TO SUBMIT SHOP DRAWING SHOWING ALL PROPOSED SYSTEMS, CONDUITS, ZONES AND IRRIGATION COMPONENTS PRIOR TO THE START OF CONSTRUCTION. SHOP DRAWINGS TO BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- IRRIGATION SYSTEM TO BE COMPLETE WITH WATER VALVES, SHUT-OFFS AND BACKFLOW PREVENTORS AS REQUIRED BY CODE.
- ALL LAWN AREAS TO HAVE SPRAY HEADS AND ALL PLANTED AREAS TO HAVE DRIP IRRIGATION.

- NOTES:**
- ALL STEEL TO BE POWDERCOAT FINISH, COLOR BLACK.
  - ALL STEEL TO BE HOT DIPPED GALVANIZED PRIOR TO APPLICATION OF POWDERCOAT FINISH.
  - PROVIDE ONE (1) 32 GAL. CAPACITY HIGH DENSITY PLASTIC LINER WITH EACH RECEPTACLE.
  - PROVIDE AND INSTALL FOUR (4) RECEPTACLES, AS SHOWN.
  - INSTALL ON 3'X3'X4" CONCRETE PAD.
  - DUMOR RECEPTACLE 158 WITH BT DOME LID, OR APPROVED EQUAL.



**1 TRASH RECEPTACLE - 32 GAL. CAPACITY**

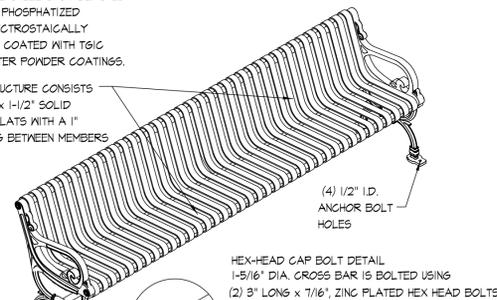
- NOTES:**
- ALL STEEL TO BE POWDERCOAT FINISH, COLOR BLACK.
  - ALL STEEL TO BE HOT DIPPED GALVANIZED PRIOR TO APPLICATION OF POWDERCOAT FINISH.
  - PROVIDE AND INSTALL FOUR (4) BENCHES, AS SHOWN.
  - INSTALL ON 3'X4' CONCRETE SLABS, AS SHOWN.
  - DUMOR BENCH 119, OR APPROVED EQUAL.



**2 8' ORNAMENTAL BENCH**

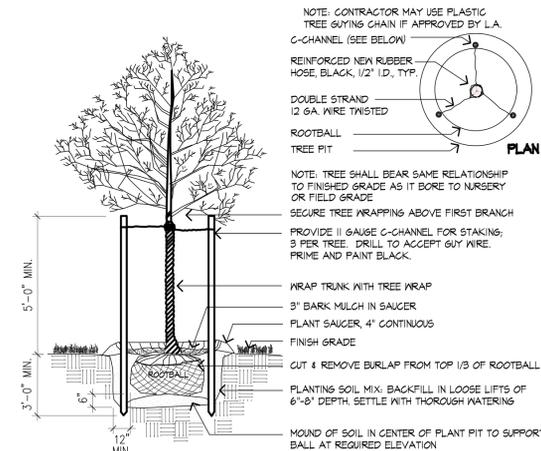
ALL FABRICATED COMPONENTS SHALL BE STEEL SHOT-BLASTED ETCHED, PHOSPHATIZED AND ELECTROSTATICALLY POWDER COATED WITH TGIC POLYESTER POWDER COATINGS.

THE STRUCTURE CONSISTS OF 1/4\"/>



**3 DECIDUOUS TREE PLANTING AND STAKING**

SCALE: N.T.S.



NOTE: CONTRACTOR MAY USE PLASTIC TREE GUYING CHAIN IF APPROVED BY L.A. C-CHANNEL (SEE BELOW) REINFORCED NEW RUBBER HOSE, BLACK, 1/2\"/>

DOUBLE STRAND 1/2 GA. WIRE TWISTED ROOTBALL TREE FIT

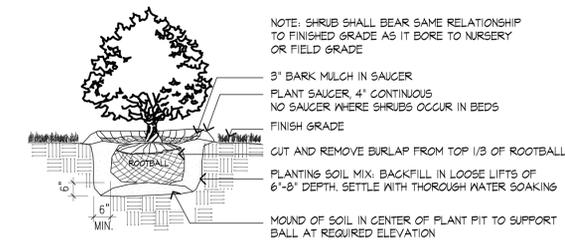
NOTE: TREE SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE SECURE TREE WRAPPING ABOVE FIRST BRANCH PROVIDE II GAUGE C-CHANNEL FOR STAKING; 3 PER TREE. DRILL TO ACCEPT GUY WIRE. PRIME AND PAINT BLACK.

WRAP TRUNK WITH TREE WRAP 3\"/>

FINISH GRADE CUT & REMOVE BURLAP FROM TOP 1/3 OF ROOTBALL PLANTING SOIL MIX; BACKFILL IN LOOSE LIFTS OF 6\"/>

**PLANT LIST**

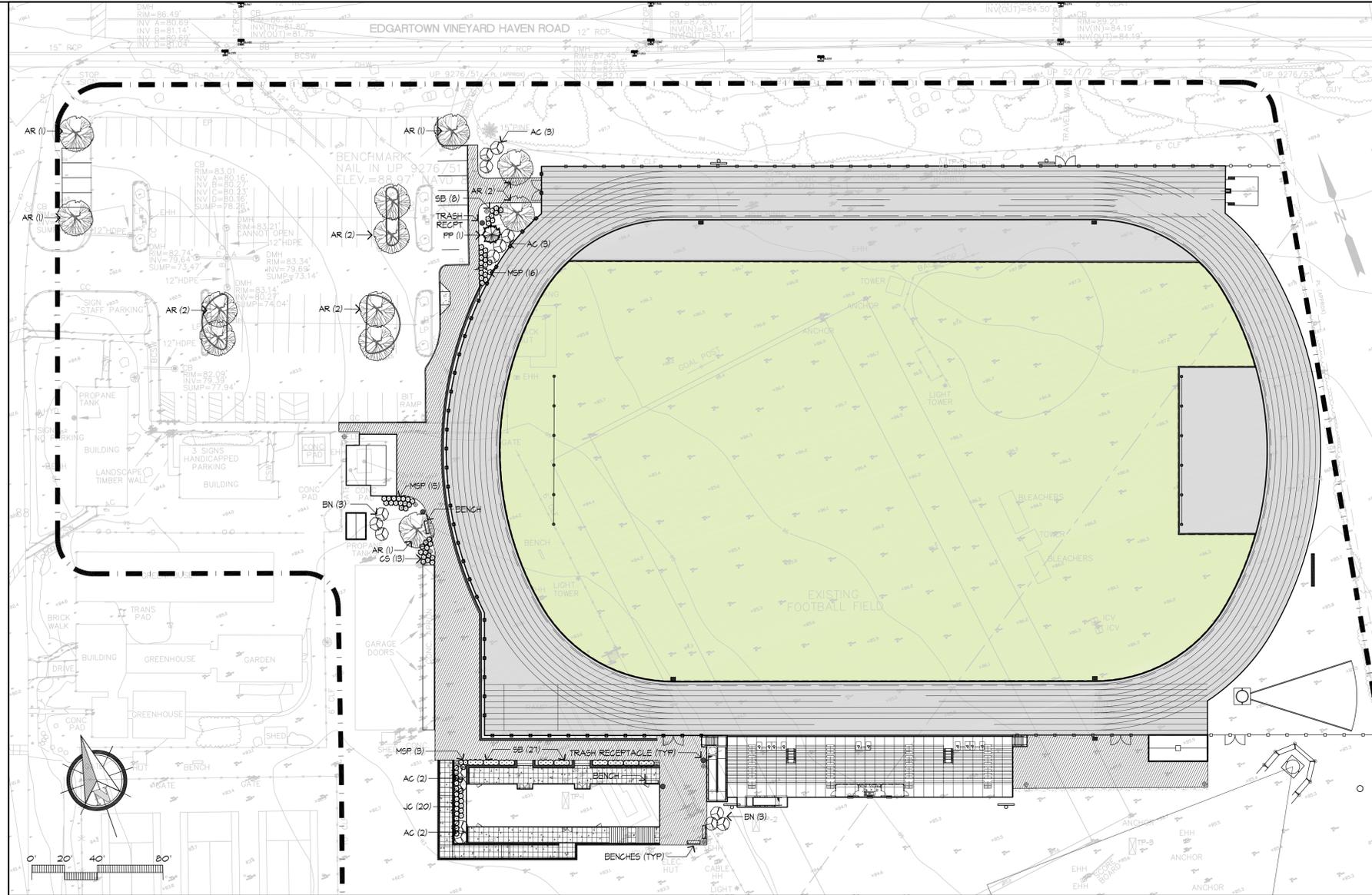
SYMBOL	BOTANICAL NAME	COMMON NAME	QTY	SIZE
<b>SHADE TREES</b>				
AR	ACER RUBRUM 'RED SUNSET'	RED MAPLE	12	2 - 2 1/2\"/>
<b>EVERGREEN TREES &amp; SHRUBS</b>				
PP	PICEA PARSONSII SLAUGA	COLORADO BLUE SPRUCE	1	8-10' HT.
JC	JUNIPERUS CHINENSIS	SARGENT JUNIPER	20	18-24\"/>
YSP	MISCANTHUS SINENSIS PURPURASCENS	PURPLE MAIDEN GRASS	34	18-24\"/>
<b>ORNAMENTAL TREES &amp; SHRUBS</b>				
BN	BETULA NIGRA 'HERITAGE'	HERITAGE RIVER BIRCH	6	8-10' HT. CLMP
AC	AMELANCHIER CANADENSIS	SHADELOW	12	8-10' HT. CLMP
CS	CORNUS SERICEA 'BAILEY'	RED TWIG DOGWOOD	13	#3 POT
SB	SPIREA BIMALDI 'ANTHONY WATERER'	ANTHONY WATERER SPIREA	35	#3 POT



NOTE: SHRUB SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE 3\"/>

**4 TYPICAL SHRUB PLANTING**

SCALE: N.T.S.



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Project:

**Martha's Vineyard Regional High School**

Oak Bluffs, Massachusetts

Drawing Title:

**Landscape Plan**



**PRELIMINARY DESIGN NOT FOR CONSTRUCTION**

Revision \_\_\_\_\_ Date \_\_\_\_\_

Scale: 1"=40'

Date: 1.22.20

Job: 00-107

File: PR-mp

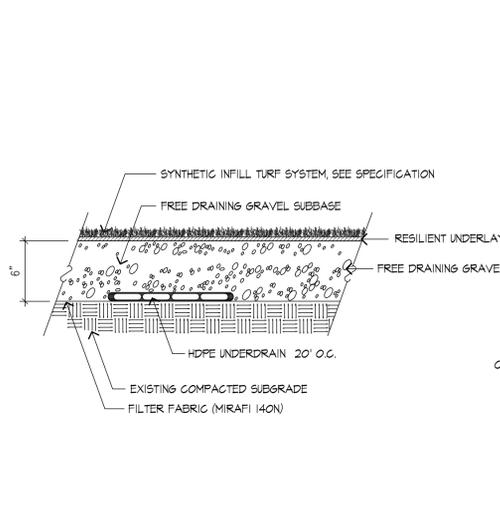
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Checked: --

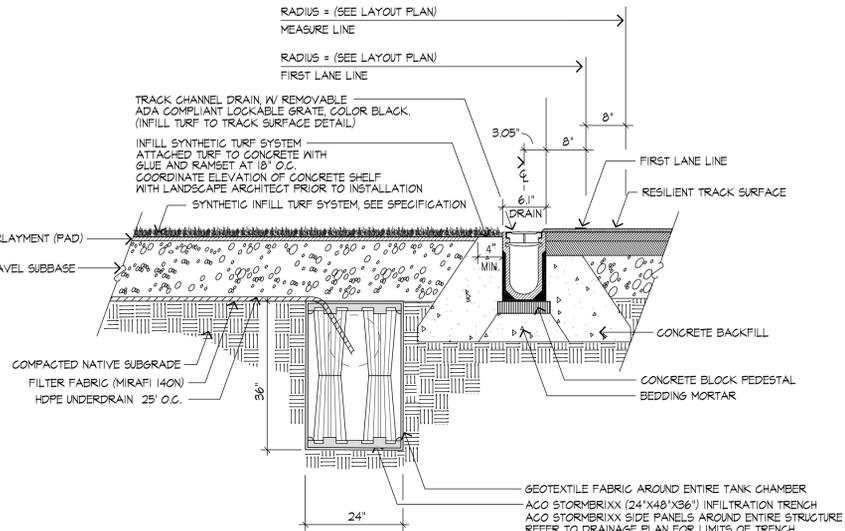
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**L-3**

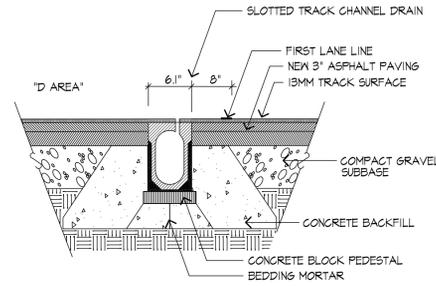
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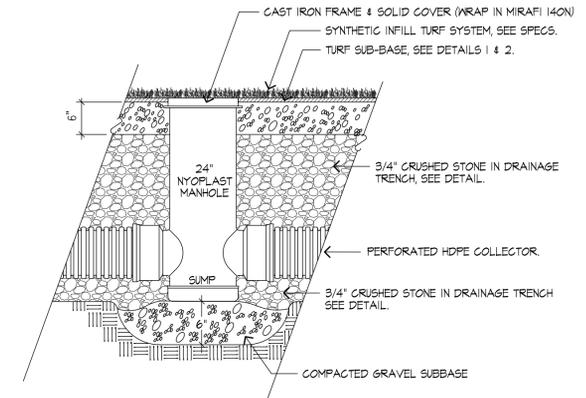
**1** TYPICAL INFILLED SYNTHETIC TURF SYSTEM  
SCALE: 1"=1'-0"



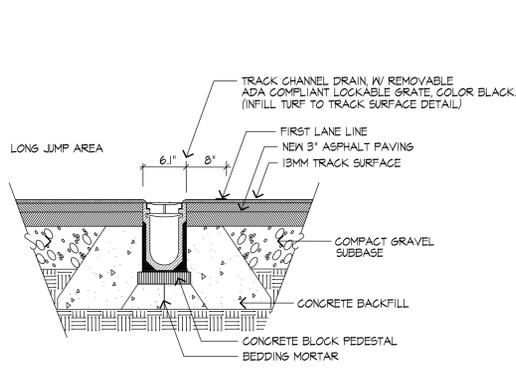
**2** TYPICAL INSIDE EDGE OF TRACK - SECTION  
SCALE: 1"=1'-0"



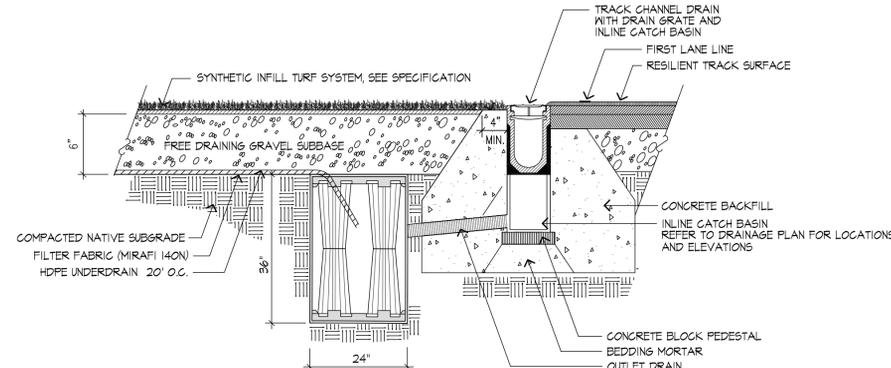
**3** SLOTTED TRACK CHANNEL DRAIN  
SCALE: 1"=1'-0"



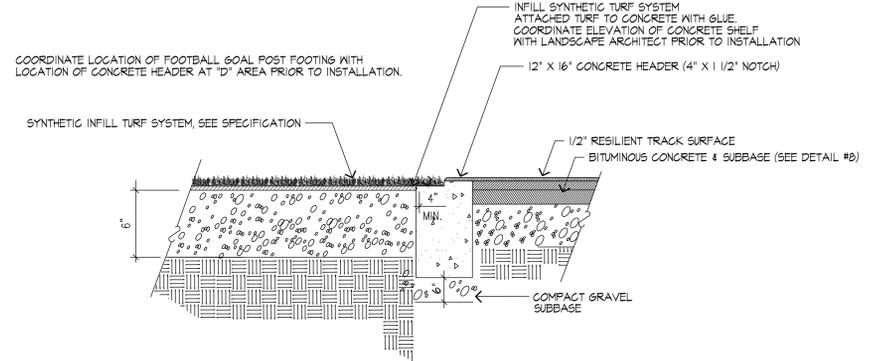
**4** NYOPLAST TURF MANHOLE  
SCALE: N.T.S.



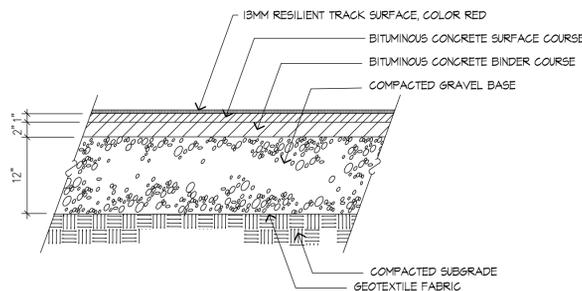
**5** TRENCH DRAIN ON NORTH STRAIGHT-AWAY  
SCALE: 1"=1'-0"



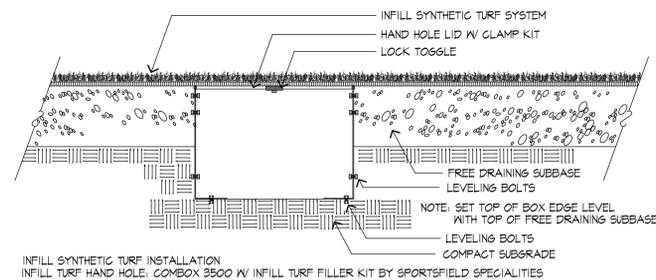
**6** INLINE CATCH BASIN SECTION  
SCALE: 1"=1'-0"



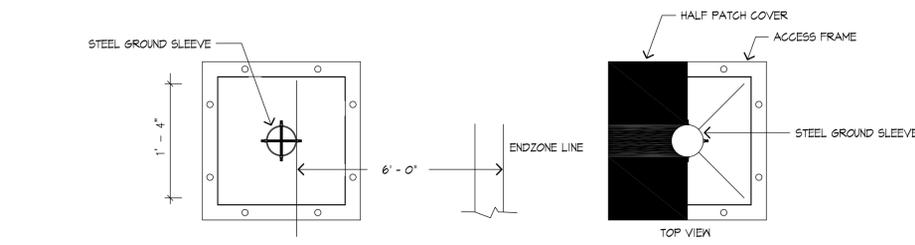
**7** TYPICAL INSIDE EDGE OF TRACK - SECTION  
SCALE: 1"=1'-0"



**8** RESILIENT TRACK SURFACE  
SCALE: N.T.S.



**9** HANDHOLE BOX DETAIL  
SCALE: N.T.S.



**10** REMOVABLE FOOTBALL GOAL POST AND FOOTING DETAIL  
SCALE: N.T.S.



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Oak Bluffs, Massachusetts

Drawing Title:

**Construction Details**



**PRELIMINARY DESIGN  
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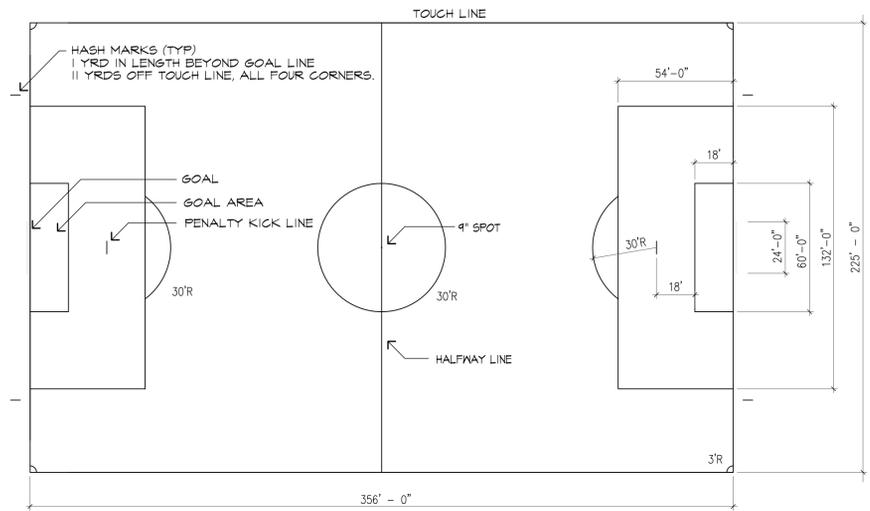
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Scale: as noted  
Date: 1.22.20  
Job: 00-107  
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Drawn: CCH  
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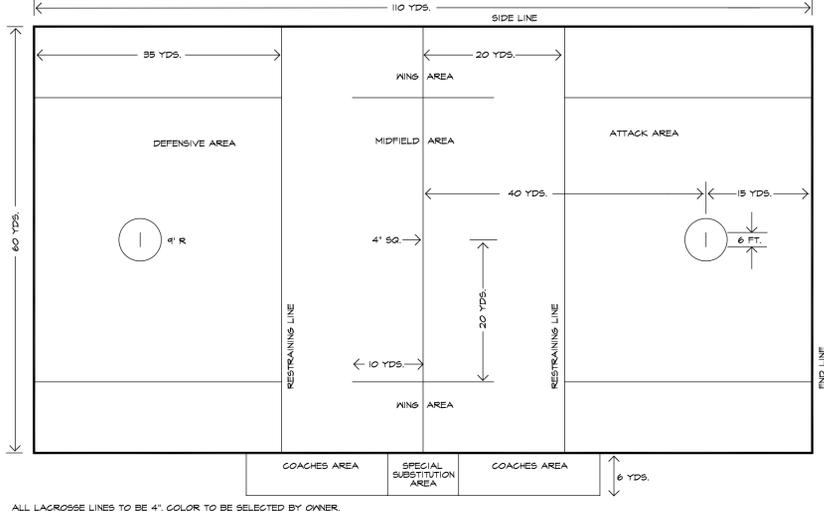
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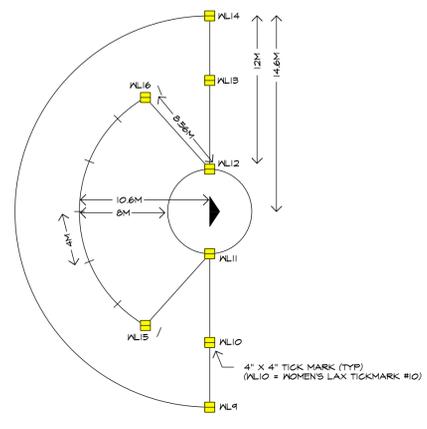
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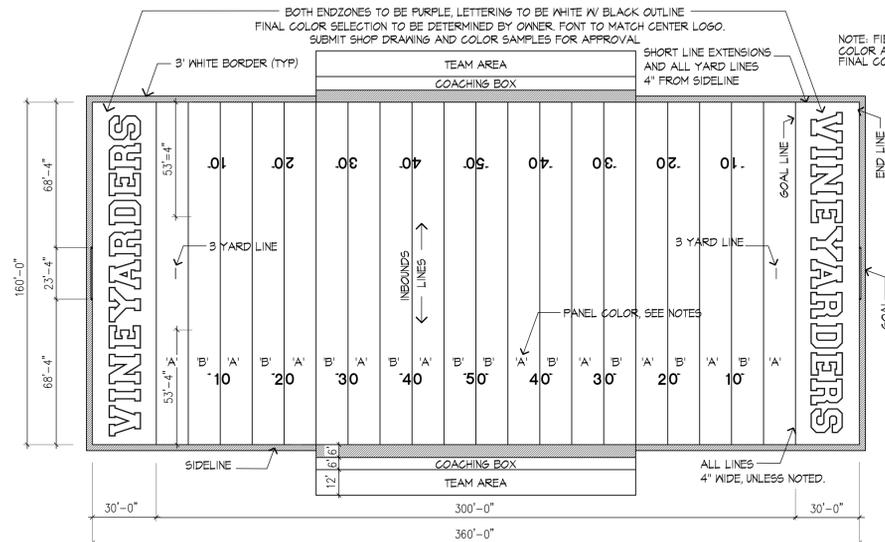
**1 SOCCER FIELD LAYOUT**  
 ALL MARKINGS AND LINES TO BE INLAID, COLOR TO BE SELECTED BY OWNER. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.



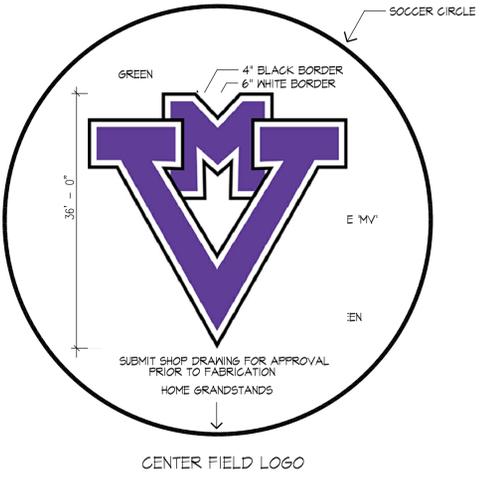
**2 MEN'S LACROSSE FIELD LAYOUT**  
 ALL MARKINGS AND LINES TO BE INLAID, COLOR TO BE SELECTED BY OWNER. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.



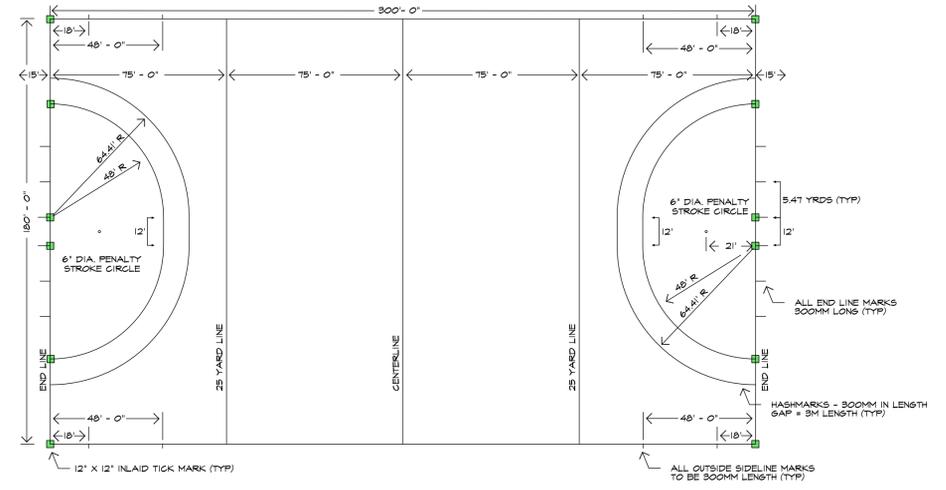
**WOMEN'S LAX ARC/FAN ENLARGEMENT**  
 PROVIDE PAINTED WOMEN'S LACROSSE ARC AND GOAL CREASE AS SHOWN. COORDINATE LOCATION PRIOR TO INSTALLATION. COLOR TO BE SELECTED BY OWNER. PROVIDE INLAID TICK MARKS AS INDICATED. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.



**3 FOOTBALL FIELD LAYOUT**  
 ALL HASH MARKS, LINES, LETTERING, NUMBERS AND DIRECTIONAL ARROWS TO BE INLAID. SUBMIT SHOP DRAWINGS AND COLOR SAMPLES FOR APPROVAL PRIOR TO INSTALLATION.

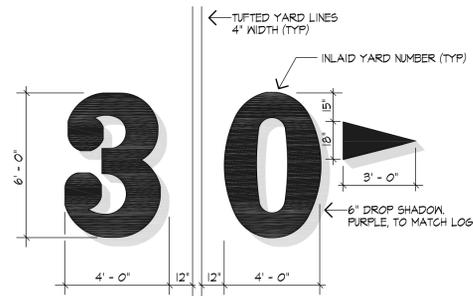


**CENTER FIELD LOGO**  
 SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION. HOME GRANDSTANDS.

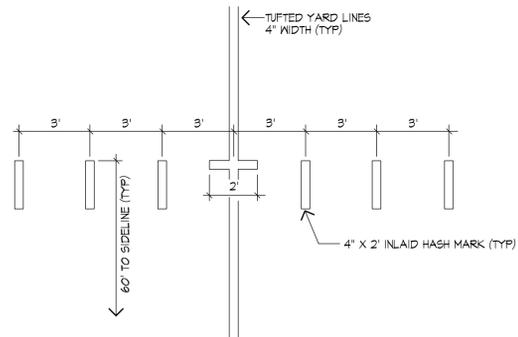


**4 FIELD HOCKEY LAYOUT**  
 FIELD TO CONFORM TO NFHS GIRL'S FIELD HOCKEY RULES, LATEST EDITION. ALL MARKINGS AND LINES TO BE INLAID, COLOR TO BE SELECTED BY OWNER.

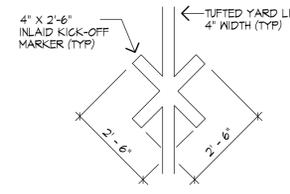
SUBMIT SHOP DRAWING FOR APPROVAL PRIOR TO FABRICATION.



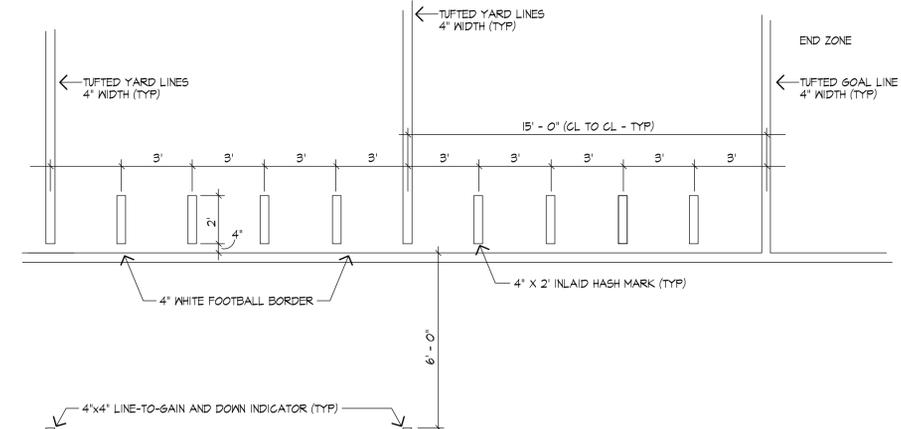
**TYPICAL NUMBER DETAIL**



**INBOUND LINE DETAIL**



**KICK-OFF DETAIL**



**YARD LINE DETAIL**

**5 FOOTBALL FIELD - INLAID MARKING DETAIL**  
 SCALE: N.T.S.

**H**  
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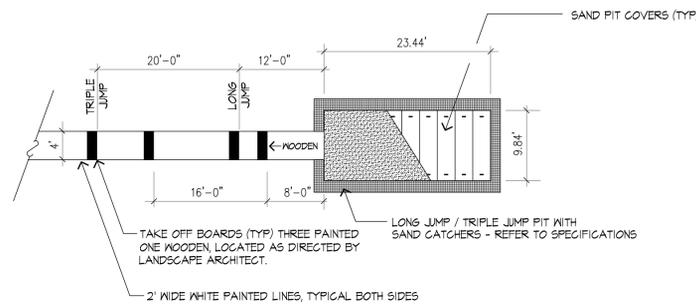
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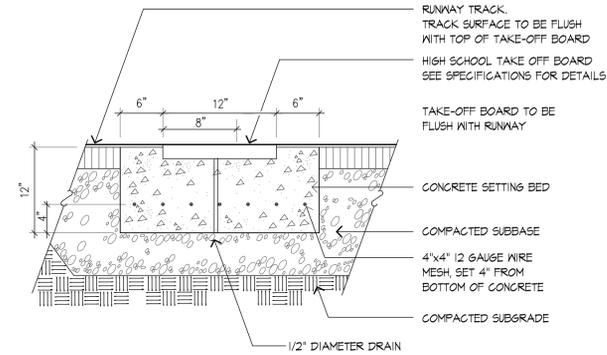
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Revision \_\_\_\_\_ Date \_\_\_\_\_

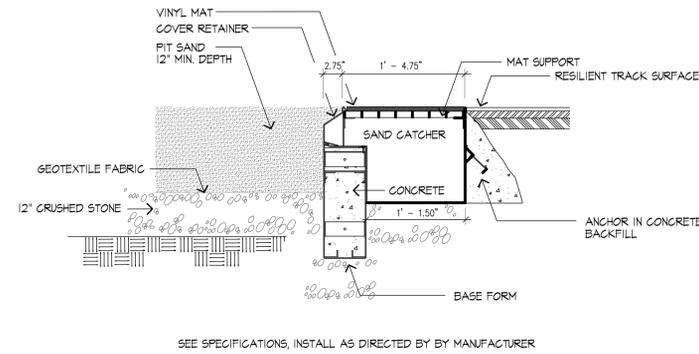
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 Drawing No. **L-5**  
 of 13



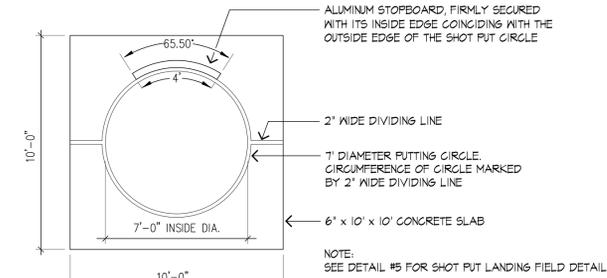
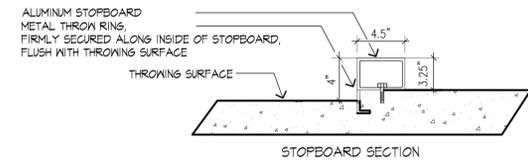
**1** PLAN - JUMP PIT  
SCALE: N.T.S.



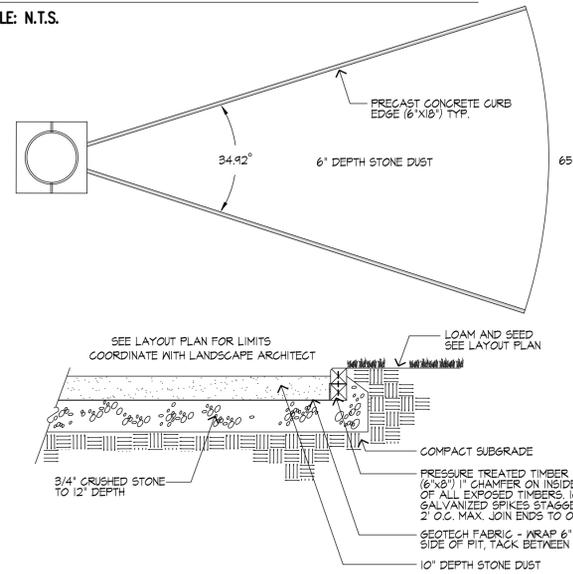
**2** TAKE-OFF BOARD  
SCALE: N.T.S.



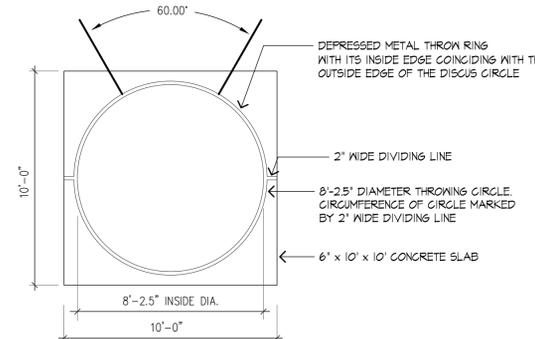
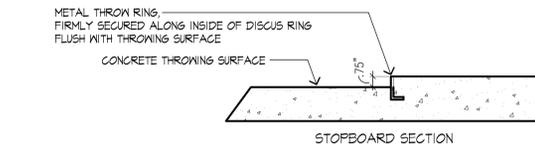
**3** SAND PIT WITH SAND CATCHERS - SECTION  
SCALE: N.T.S.



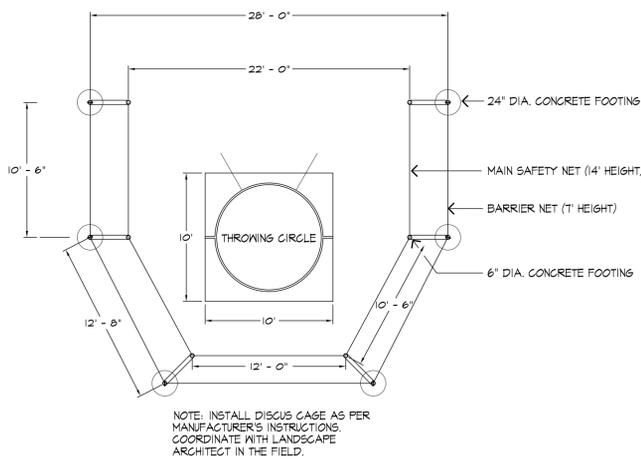
**4** SHOT PUT CIRCLE  
SCALE: 1/4" = 1'-0"



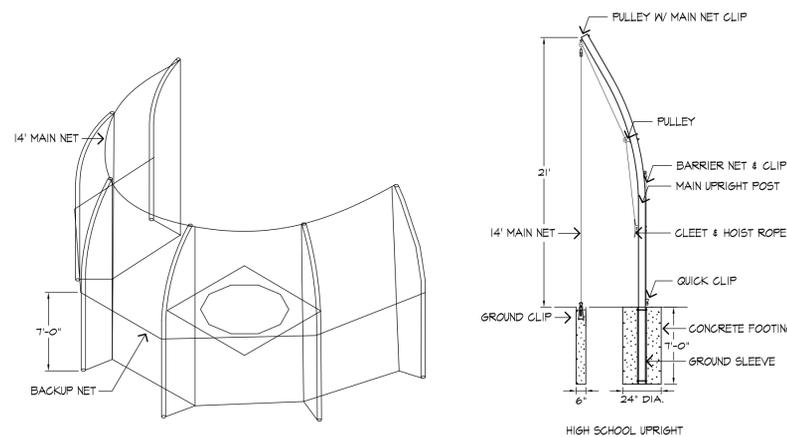
**5** SHOT PUT LANDING FIELD  
SCALE: 1/8" = 1'-0"



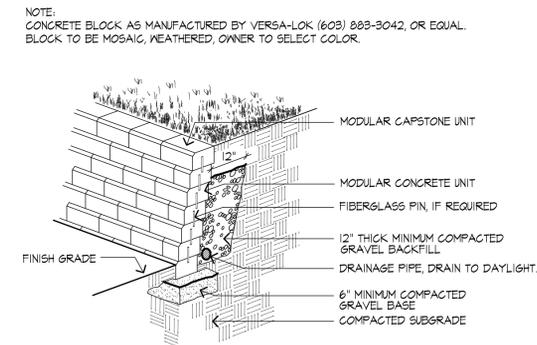
**6** HIGH SCHOOL DISCUS THROWING CIRCLE  
SCALE: 1/4" = 1'-0"



**7** HIGH SCHOOL DISCUS THROWING CAGE LAYOUT  
SCALE:



**8** HIGH SCHOOL DISCUS THROWING CAGE DETAIL  
SCALE:



**9** "MODULAR BLOCK" RETAINING WALL  
SCALE: N.T.S.



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Oak Bluffs, Massachusetts

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**Construction Details**



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Revision \_\_\_\_\_ Date \_\_\_\_\_

Scale: as noted Drawing No. **L-6**  
Date: 1.22.20  
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File: PR-mp  
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Checked: --



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Drawing Title:

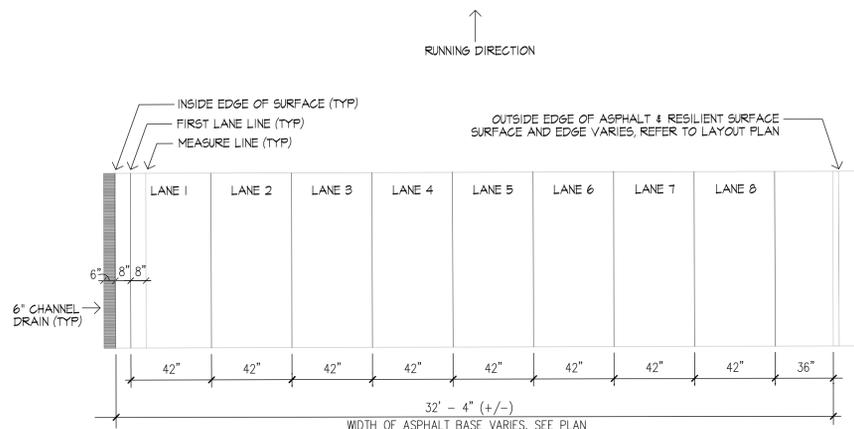
**Construction Details**



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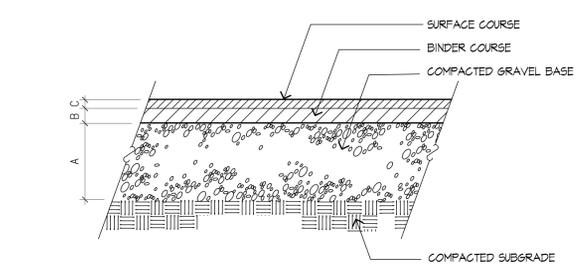
Revision \_\_\_\_\_ Date \_\_\_\_\_

Scale: as noted  
Date: 1.22.20  
Job: 00-107  
File: PR-mp  
Drawn: CCH  
Checked: --  
Drawing No. **L-7**  
13



**1** RUNNING TRACK: 8 LANE SUB-BASE/SURFACE DIMENSIONS

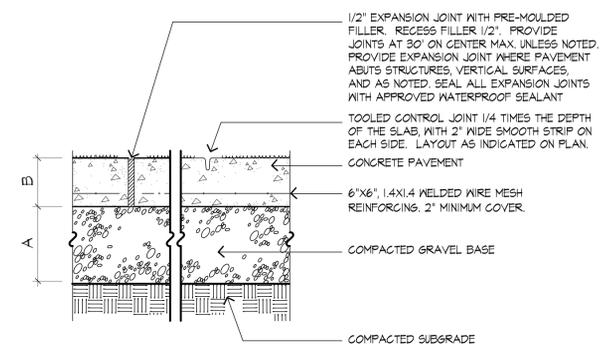
	A	B	C
CONCRETE WALK	8"	4"	
GRANDSTAND SLAB	12"	6"	
STORAGE SHED SLAB	12"	6"	



**2** BITUMINOUS CONCRETE PAVEMENT

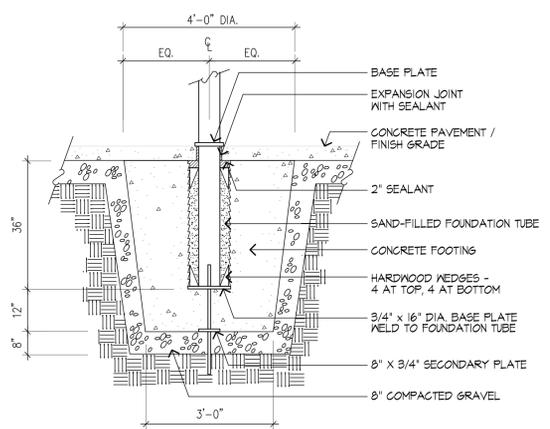
SCALE: N.T.S.

	A	B
CONCRETE WALK	8"	4"
GRANDSTAND SLAB	12"	6"
STORAGE SHED SLAB	12"	6"



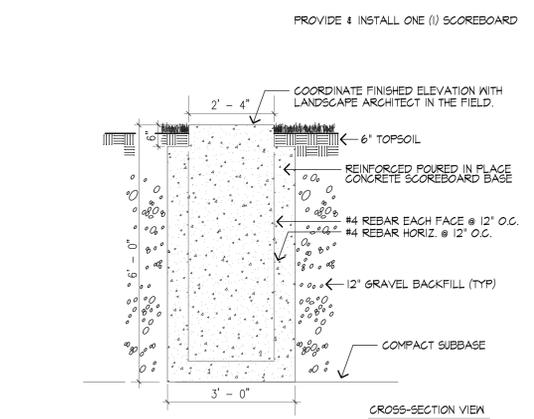
**3** CONCRETE PAVEMENT

SCALE: N.T.S.

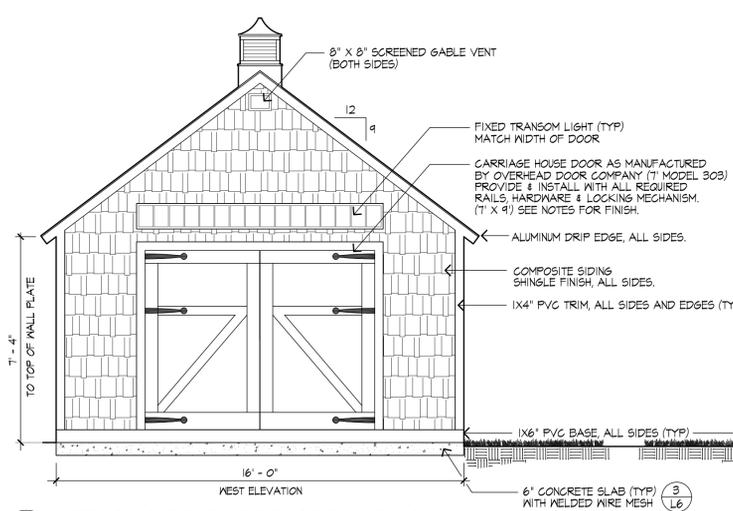
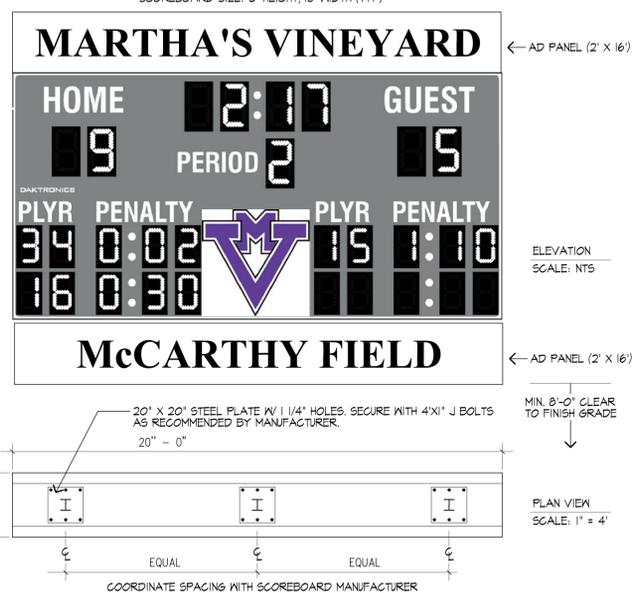


**4** FLAGPOLE FOOTING

SCALE: 1/2" = 1'-0"

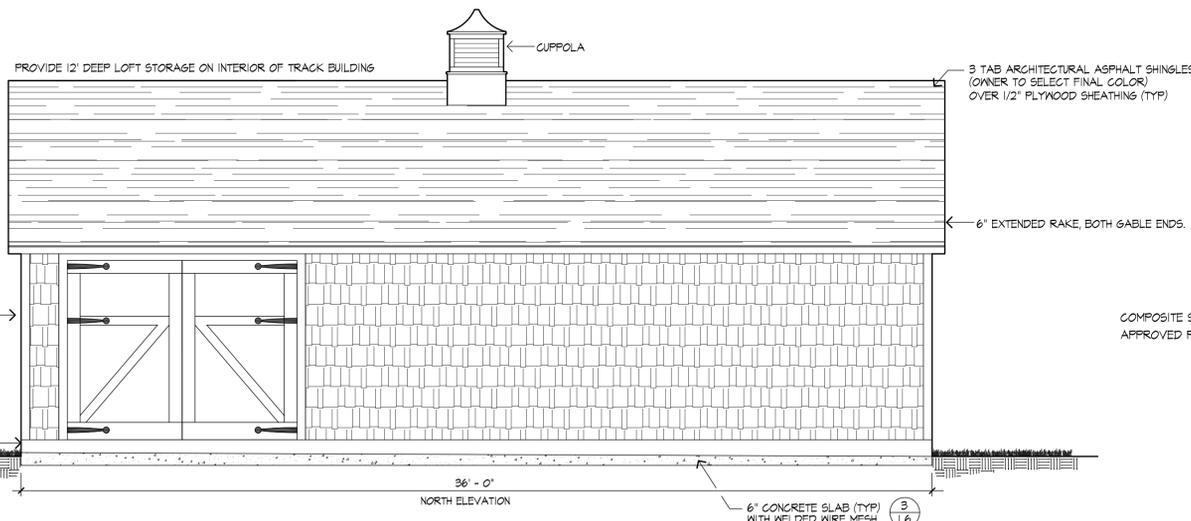


**5** SCOREBOARD ELEVATION & FOOTING DETAIL



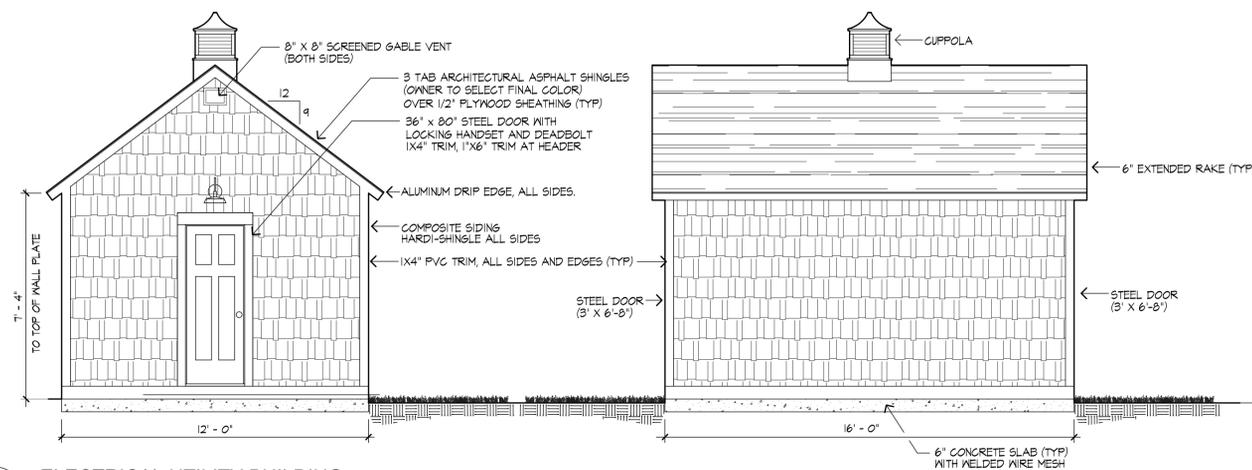
**6** TRACK & FIELD STORAGE BUILDING

SCALE: N.T.S. 16' X 36' LEXINGTON SHED AS MANUFACTURED BY POST WOODWORKERS, OR APPROVED EQUAL. (866) 794-7493 - SUBMIT SHOP DRAWING FOR APPROVAL PRIOR TO INSTALLATION.

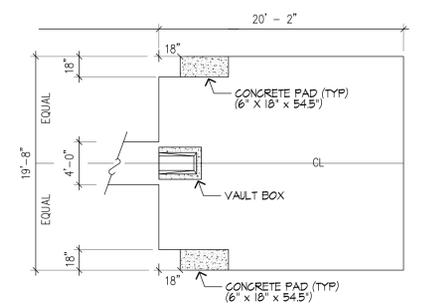


- STORAGE BUILDING NOTES:
- GC RESPONSIBLE FOR ANY REQUIRED BUILDING PERMIT.
  - CONCRETE SLAB TO SERVE AS FLOOR
  - 2"X4" WALL CONSTRUCTION 16" O.C., DOUBLE TOP PLATE
  - 2X6" ROOF RAFTERS 16" O.C.
  - ALL INTERIOR WALLS TO RECEIVE 5/8" PLYWOOD
  - EXTERIOR COLORS:  
SHINGLE - IRON GRAY  
TRIM - WHITE  
GARAGE DOORS - WHITE
  - ALL EXTERIOR PAINTED SURFACES TO RECEIVE PRIMER AND TWO (2) COATS OF PAINT, AS RECOMMENDED BY MANUFACTURER.
  - COORDINATE SIZE OF CUPOLAS PRIOR TO FABRICATION.

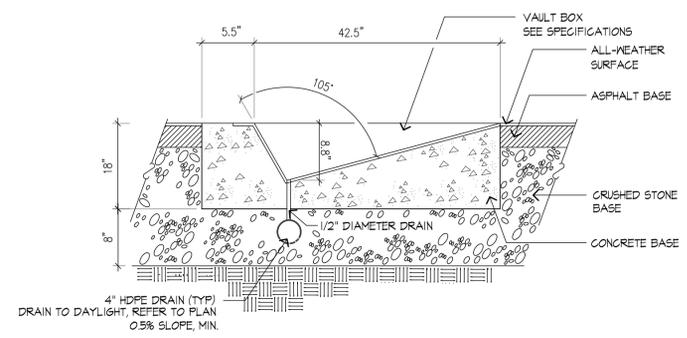
COMPOSITE SIDING NOTES:  
APPROVED PRODUCTS: HARDI-SHINGLE, BY JAMES HARDIE, INC.



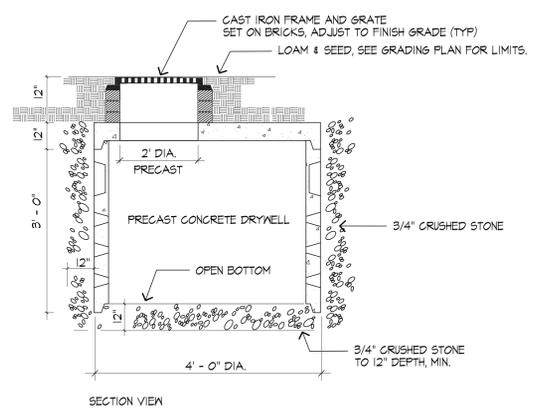
**1 ELECTRICAL UTILITY BUILDING**  
 SCALE: NTS 12' X 16' LEXINGTON SHED AS MANUFACTURED BY POST WOODWORKERS, OR APPROVED EQUAL. (866) 794-1433 - SUBMIT SHOP DRAWING FOR APPROVAL PRIOR TO INSTALLATION.



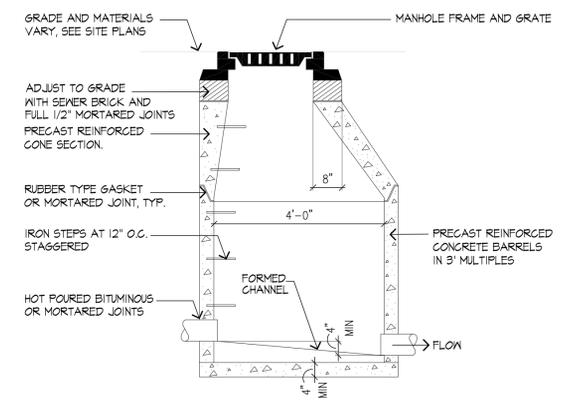
**2 POLE VAULT LANDING AREA**  
 SCALE: NTS



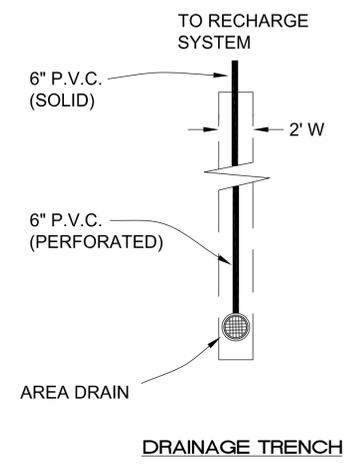
**3 VAULT BOX SECTION**



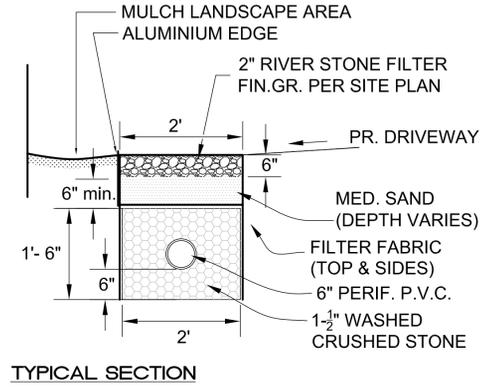
**4 LEACHING BASIN**  
 SCALE: NTS



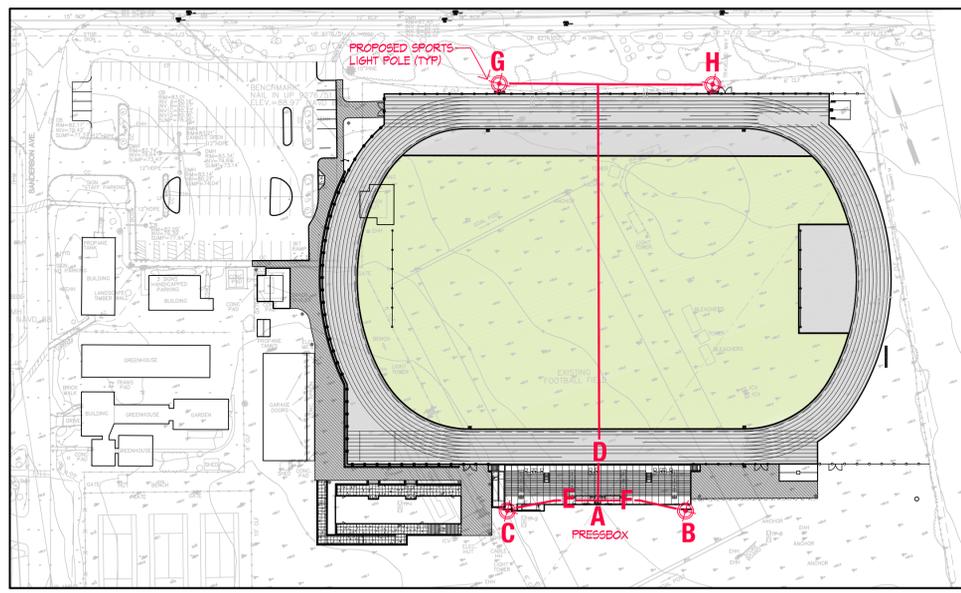
**5 MANHOLE**



**6 DRAINAGE TRENCH & SECTION**  
 SCALE: NTS



**TYPICAL SECTION**



**7 SOUND SYSTEM LAYOUT PLAN**  
 SCALE: 1" = 80'

**SOUND SYSTEM PRODUCT LAYOUT**

- A** RACK SYSTEM AND CONTROL TO BE HOUSED IN THE PRESSBOX.  
 1. REFER TO SECTION 16000 SOUND SYSTEM IN THE PROJECT SPECIFICATIONS FOR A COMPLETE LIST OF REQUIRED EQUIPMENT, WIRING, CABLING AND CONDUIT REQUIREMENTS.
- B & C** TWO (2) SPEAKERS PER POLE - HOME SIDE SPORTS LIGHTING POLE SPEAKERS (35' HEIGHT +/-)  
 1. REFER TO SECTION 16000 SOUND SYSTEM IN THE PROJECT SPECIFICATIONS FOR A COMPLETE LIST OF REQUIRED EQUIPMENT, WIRING, CABLING AND CONDUIT REQUIREMENTS.
- D** ANNOUNCER STATION - OUTDOOR JACK MOUNTED TO GRANDSTAND  
 1. REFER TO SECTION 16000 SOUND SYSTEM IN THE PROJECT SPECIFICATIONS FOR A COMPLETE LIST OF REQUIRED EQUIPMENT, WIRING, CABLING AND CONDUIT REQUIREMENTS.
- E & F** TWO (2) SPEAKERS TOTAL - PRESSBOX EAVE SPEAKERS (RUN CABLING INTERIOR OF PRESSBOX)  
 1. REFER TO SECTION 16000 SOUND SYSTEM IN THE PROJECT SPECIFICATIONS FOR A COMPLETE LIST OF REQUIRED EQUIPMENT, WIRING, CABLING AND CONDUIT REQUIREMENTS.
- G & H** TWO (2) SPEAKERS PER POLE - VISITOR SIDE SPORTS LIGHTING POLE SPEAKERS (35' HEIGHT +/-)  
 1. REFER TO SECTION 16000 SOUND SYSTEM IN THE PROJECT SPECIFICATIONS FOR A COMPLETE LIST OF REQUIRED EQUIPMENT, WIRING, CABLING AND CONDUIT REQUIREMENTS.

PROVIDE AND INSTALL ALL CABLING, CONDUIT & WIRING TO PROVIDE A FULLY FUNCTIONING SOUND SYSTEM AS PER PLANS AND SPECIFICATIONS CONTAINED HEREIN. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. PROVIDE AND INSTALL RIGID CONDUIT WHEN ABOVE GRADE.  
 PROVIDE AND INSTALL TWO (2) 2" CONDUITS TO EACH LOCATION AS SHOWN ON THE ABOVE LAYOUT PLAN. INCLUDE A QUARTZITE HANDHOLE AT THE BASE OF EACH SPORTS LIGHT POLE AND AT 50 YARD LINE ON THE VISITORS SIDE. ALL ABOVE GRADE CONDUITS TO BE RIGID, GALVANIZED STEEL.



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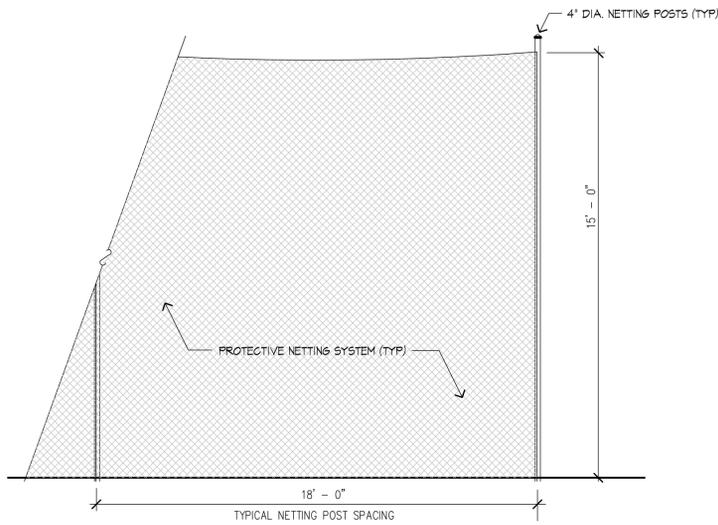
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**Construction Details**



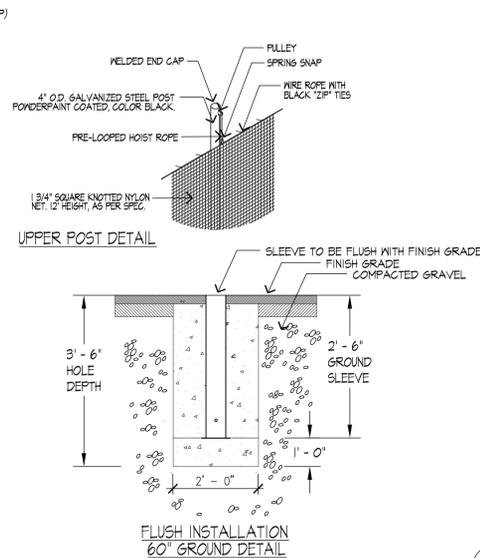
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Revision	Date

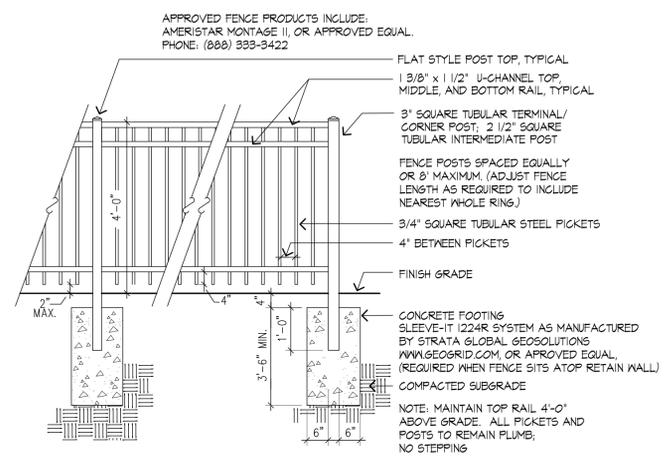
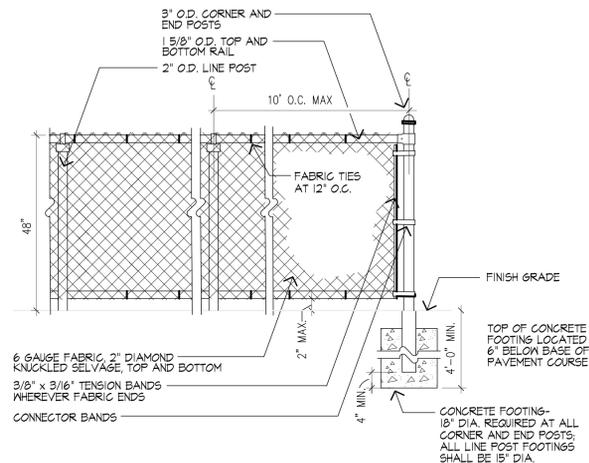
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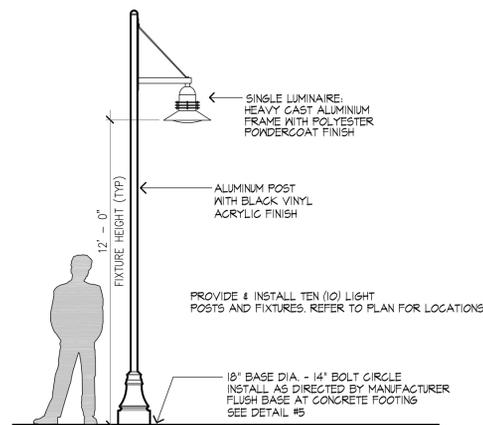
**1** PROTECTIVE NETTING - CONCEPTUAL ELEVATION  
SCALE: N.T.S.



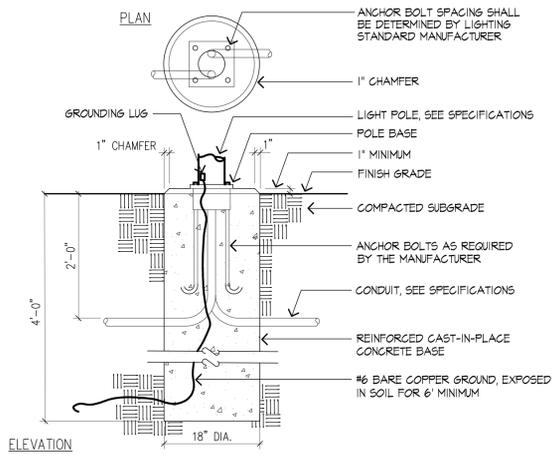
**2** 4' FUSION BOND CHAIN LINK FENCE  
SCALE: N.T.S.



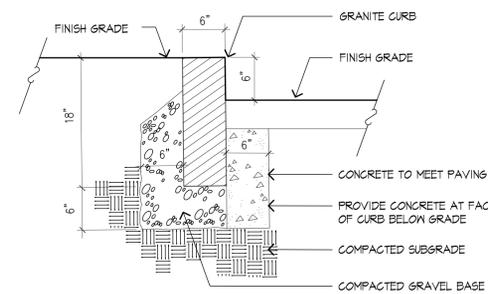
**3** 4' HIGH METAL PICKET FENCE  
SCALE: 1/2" = 1'-0"



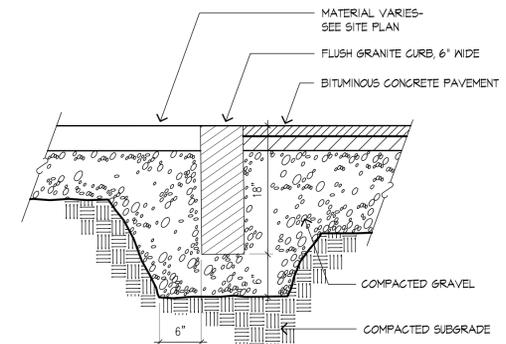
**4** POST LIGHT FIXTURE  
SCALE: N.T.S.



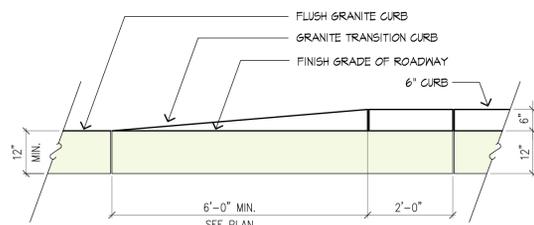
**5** PRECAST LIGHT POLE BASE - 'A'  
SCALE: 3/4" = 1'-0"



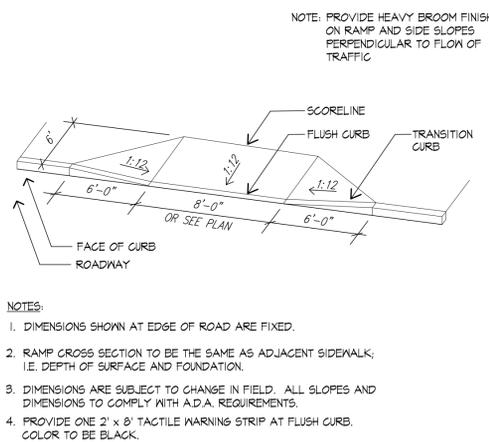
**6** VERTICAL GRANITE CURB  
SCALE: 1" = 1'-0"



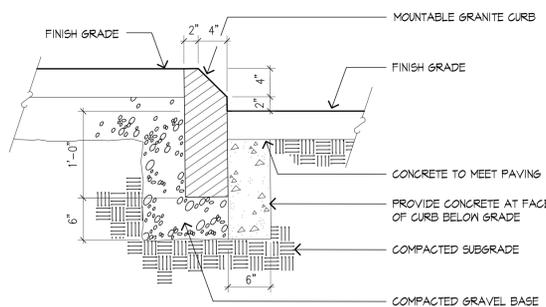
**7** FLUSH GRANITE CURB  
SCALE: 1" = 1'-0"



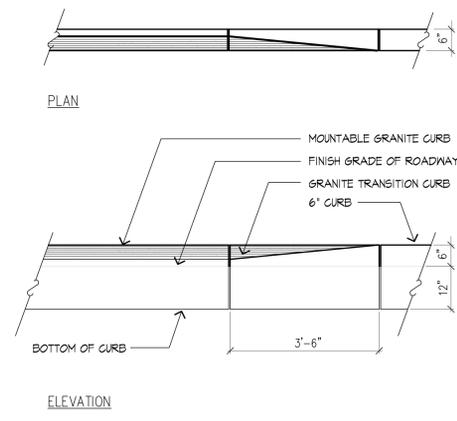
**8** TRANSITION CURB  
SCALE: 1/2" = 1'-0"



**9** CURB CUT AND RAMP  
SCALE: N.T.S.



**10** MOUNTABLE GRANITE CURB  
SCALE: 1" = 1'-0"



**11** TRANSITION CURB AT MOUNTABLE GRANITE CURB  
SCALE: 1/2" = 1'-0"



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Project:

**Martha's Vineyard Regional High School**

Oak Bluffs, Massachusetts

Drawing Title:

**Construction Details**

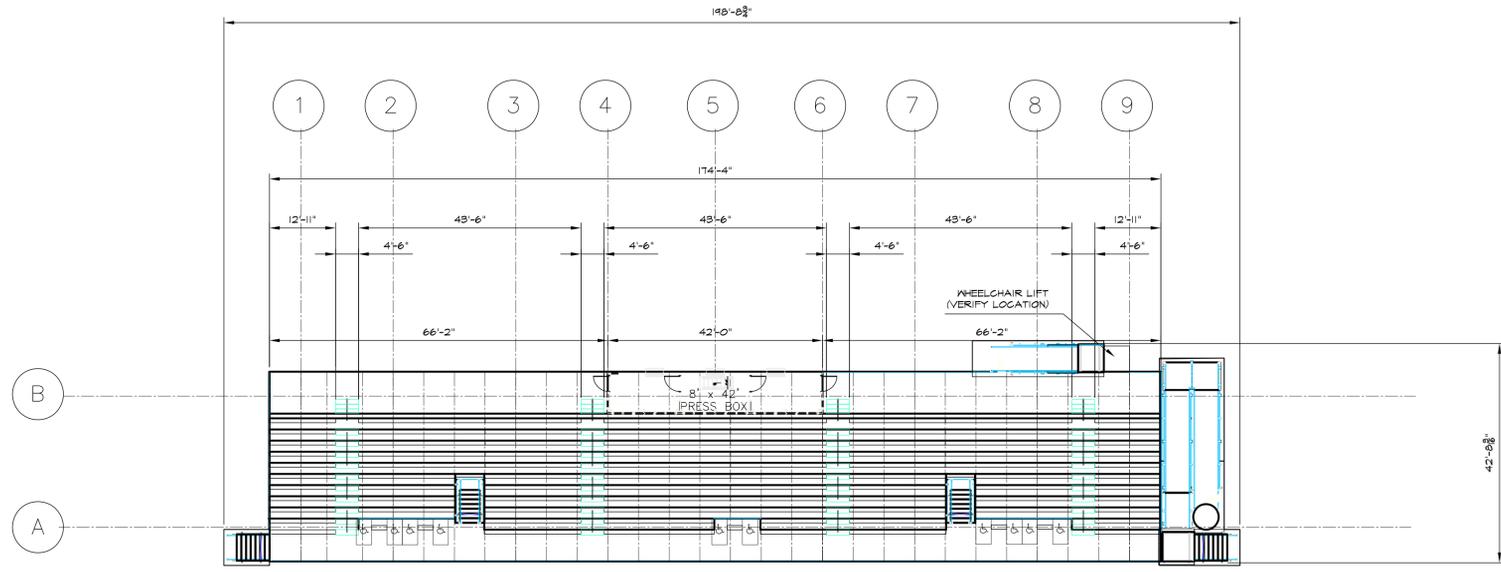


**PRELIMINARY DESIGN NOT FOR CONSTRUCTION**

Revision \_\_\_\_\_ Date \_\_\_\_\_

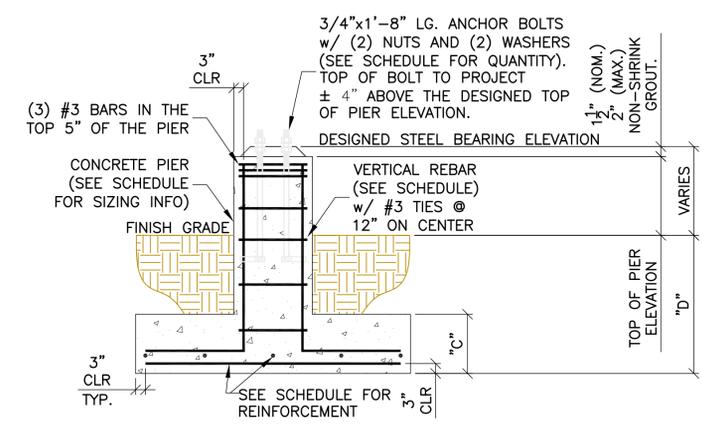
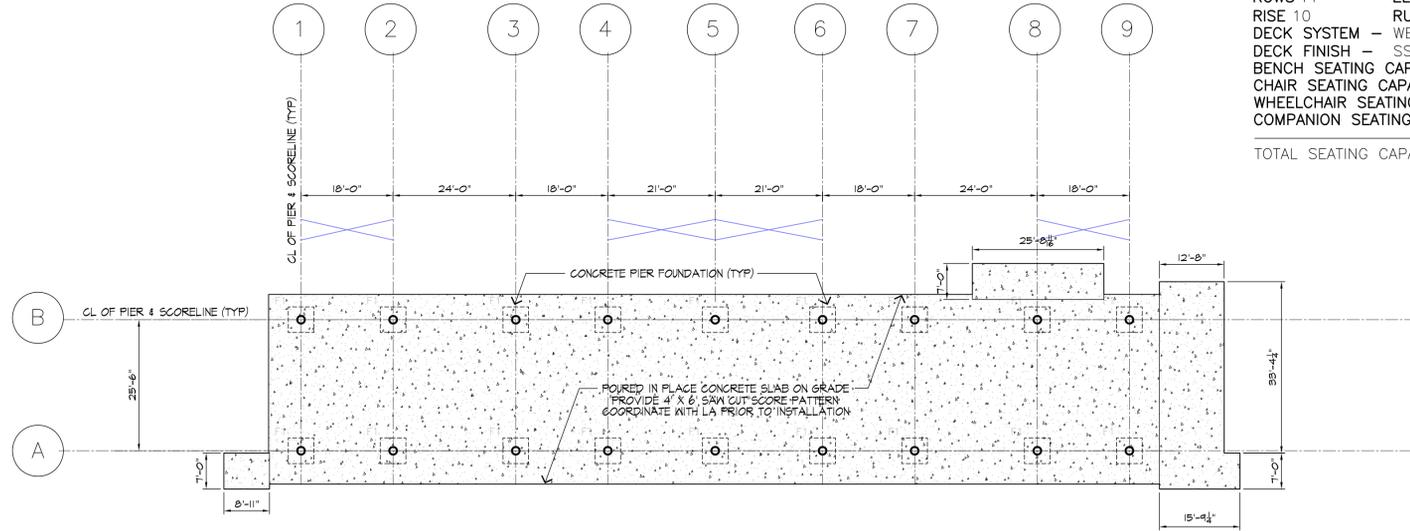
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Date: 1.22.20  
Job: 00-107  
File: PR-mp  
Drawn: CCH  
Checked: --  
Drawing No. **L-9**  
13

NOTE: BLEACHER DRAWINGS PROVIDED ARE FOR SCHEMATIC DESIGN ONLY. CONTRACTOR TO SUBMIT A FULL SET OF CONSTRUCTION DRAWINGS STAMPED BY A STRUCTURAL ENGINEER LICENSED IN THE COMMONWEALTH OF MASSACHUSETTS FOR APPROVAL PRIOR TO INSTALLATION. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAIL.

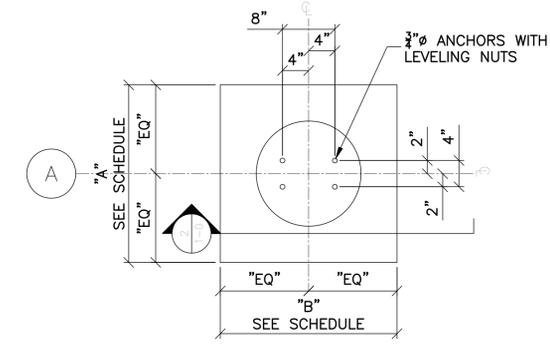


SEATING PLAN  
SCALE: 1/16"=1'-0"

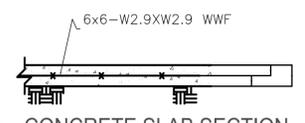
ROWS 11	ELEVATION 49"
RISE 10	RUN 26
DECK SYSTEM - WELDED	
DECK FINISH - SSRD	
BENCH SEATING CAPACITY	1000
CHAIR SEATING CAPACITY	0
WHEELCHAIR SEATING CAPACITY	10
COMPANION SEATING CAPACITY	10
<b>TOTAL SEATING CAPACITY</b>	<b>1020</b>



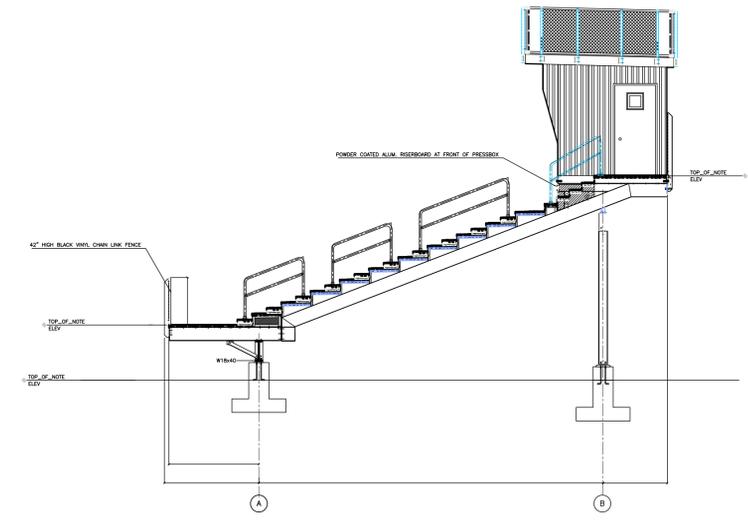
1 SECTION THROUGH PIER FOUNDATION (TYP)  
SCALE: NTS



2 ANCHOR BOLT LAYOUT  
SCALE: NTS



3 CONCRETE SLAB SECTION  
SCALE: NTS

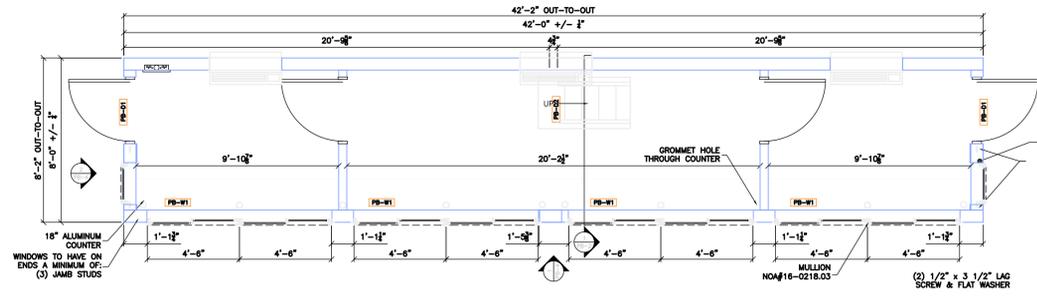


4 SECTION THROUGH STAND AT PRESSBOX ENTRY AISLE  
SCALE: NTS

GRANDSTAND NOTES:

1. THE ELEVATION OF THE TOP OF THE CONCRETE PIER IS DESIGNED TO BE 1 1/2" BELOW THE STEEL BEARING ELEVATION. TOLERANCES FOR THE TOP OF CONCRETE PIER SHALL BE +/- 1/8". THE CONCRETE INSTALLER IS RESPONSIBLE FOR NON-SHRINK GROUTING.
2. ALL COLUMN ANCHOR BOLTS MUST HAVE A 4" PROJECTION (+/- 1/8") ABOVE THE TOP OF PIER ELEVATION.
3. MAXIMUM HORIZONTAL TOLERANCE OF ANCHOR BOLT PLACEMENT SHALL BE 1/8".
4. ALL UNDERGROUND UTILITIES ARE TO BE LOCATED AND MARKED DURING REVIEW PROCESS PRIOR TO FOUNDATION EXCAVATION. DANT CORP. SHALL NOT BE RESPONSIBLE FOR DAMAGE TO UNDERGROUND UTILITIES.
5. REFERENCE GEOTECHNICAL REPORT FOR MINIMUM FOOTING DEPTH AND SOIL BEARING PRESSURE.

THE TOP OF CONCRETE MAY BE RAISED TO MATCH THE STEEL BEARING ELEVATION AT THE INSTALLER'S DISCRETION. INSTALLER IS THEN RESPONSIBLE FOR ANY ADJUSTMENTS.



5 PRESSBOX FLOOR PLAN  
SCALE: NTS

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Project:  
**Martha's Vineyard Regional High School**

Oak Bluffs, Massachusetts

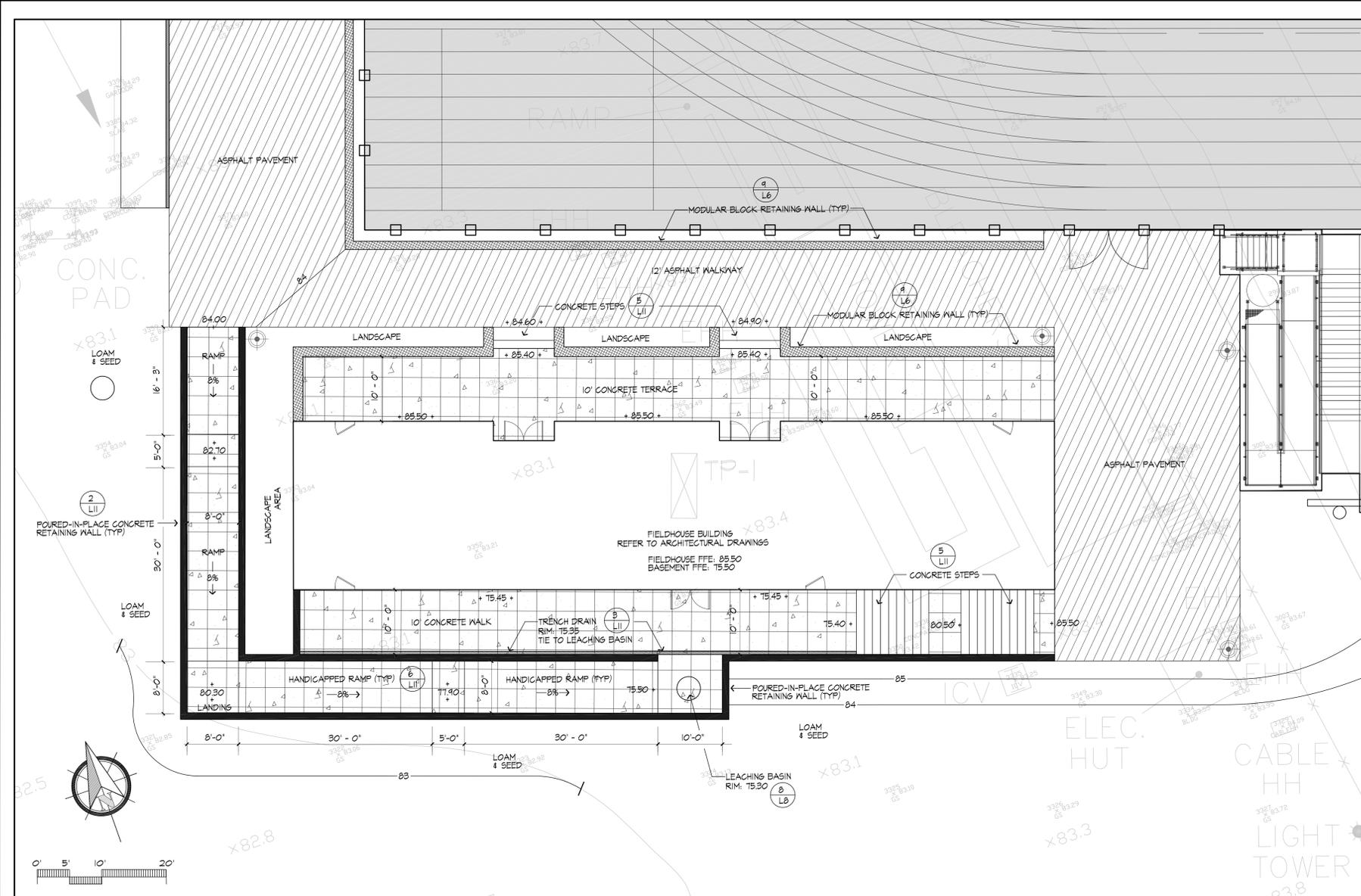
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**Grandstand Details**



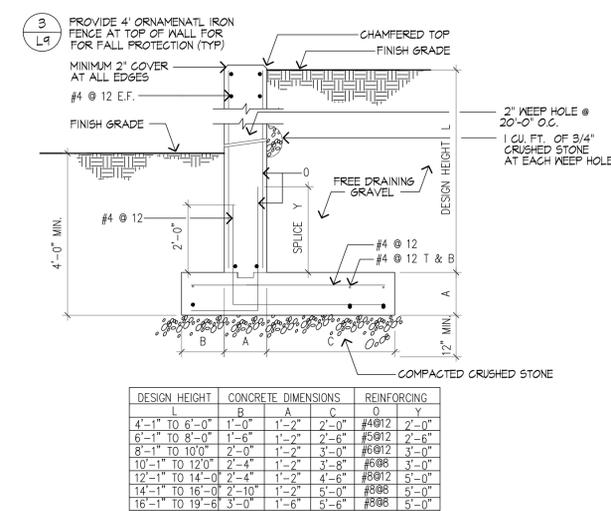
**PRELIMINARY DESIGN  
NOT FOR CONSTRUCTION**

Revision	Date

Scale: as noted  
Date: 1.22.20  
Job: 00-107  
File: PR-mp  
Drawn: CCH  
Checked: --  
Drawing No. **L10**  
of **13**

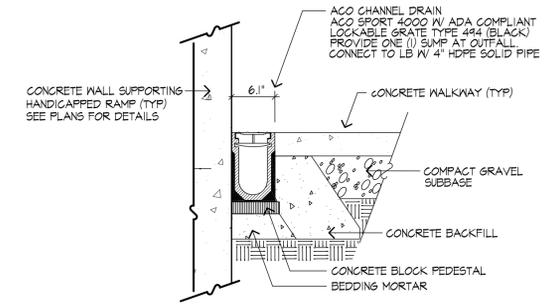


**1** FIELDHOUSE BUILDING ENLARGEMENT  
SCALE: 1"=10'-0"

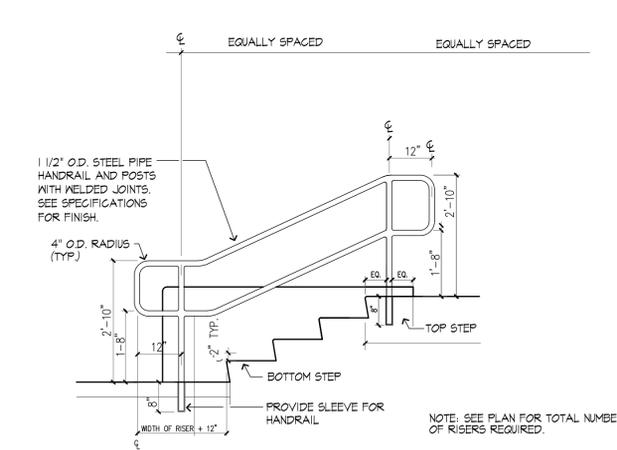


**2** TYPICAL CONCRETE RETAINING WALL  
SCALE: NTS

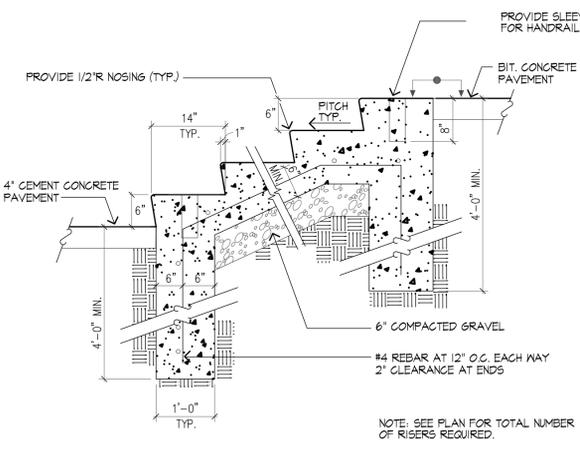
DESIGN HEIGHT	CONCRETE DIMENSIONS	REINFORCING			
L	B	A	C	O	Y
4'-1" TO 6'-0"	1'-0"	1'-2"	2'-0"	#4@12	2'-0"
6'-1" TO 8'-0"	1'-6"	1'-2"	2'-6"	#5@12	2'-6"
8'-1" TO 10'-0"	2'-0"	1'-2"	3'-0"	#5@12	3'-0"
10'-1" TO 12'-0"	2'-4"	1'-2"	3'-8"	#5@12	3'-0"
12'-1" TO 14'-0"	2'-4"	1'-2"	4'-8"	#5@12	5'-0"
14'-1" TO 16'-0"	2'-10"	1'-2"	5'-0"	#5@12	5'-0"
16'-1" TO 19'-6"	3'-0"	1'-6"	5'-6"	#5@12	5'-0"



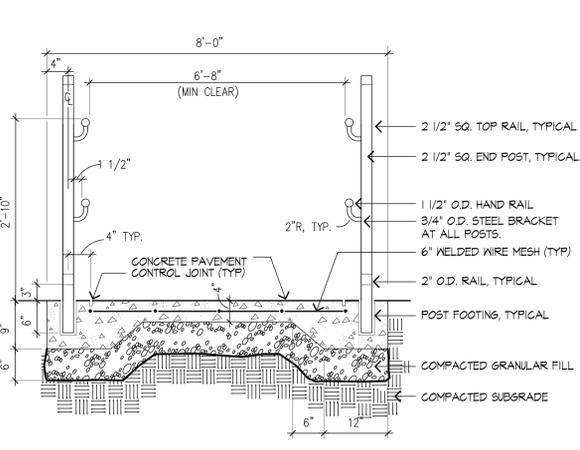
**3** TRENCH DRAIN AT BASEMENT WALKWAY  
SCALE: 1"=1'-0"



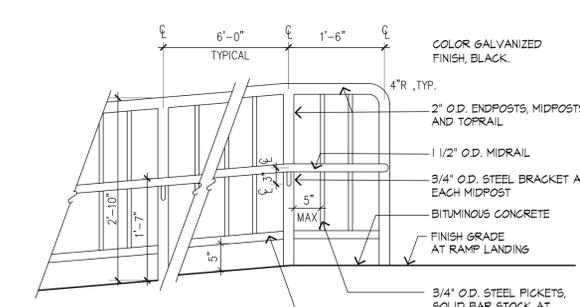
**4** HANDRAIL FOR CONCRETE STEPS  
SCALE: 1/2" = 1'-0"



**5** CONCRETE STEPS  
SCALE: 3/4" = 1'-0"



**6** HANDICAP RAMP WITH HANDRAIL - SECTION  
SCALE: NTS



**7** HANDICAP RAMP AND GUARDRAIL - ELEVATION  
SCALE: 3/4" = 1'-0"

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Project:  
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Oak Bluffs, Massachusetts

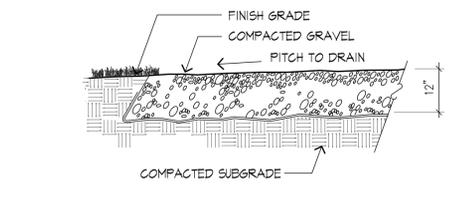
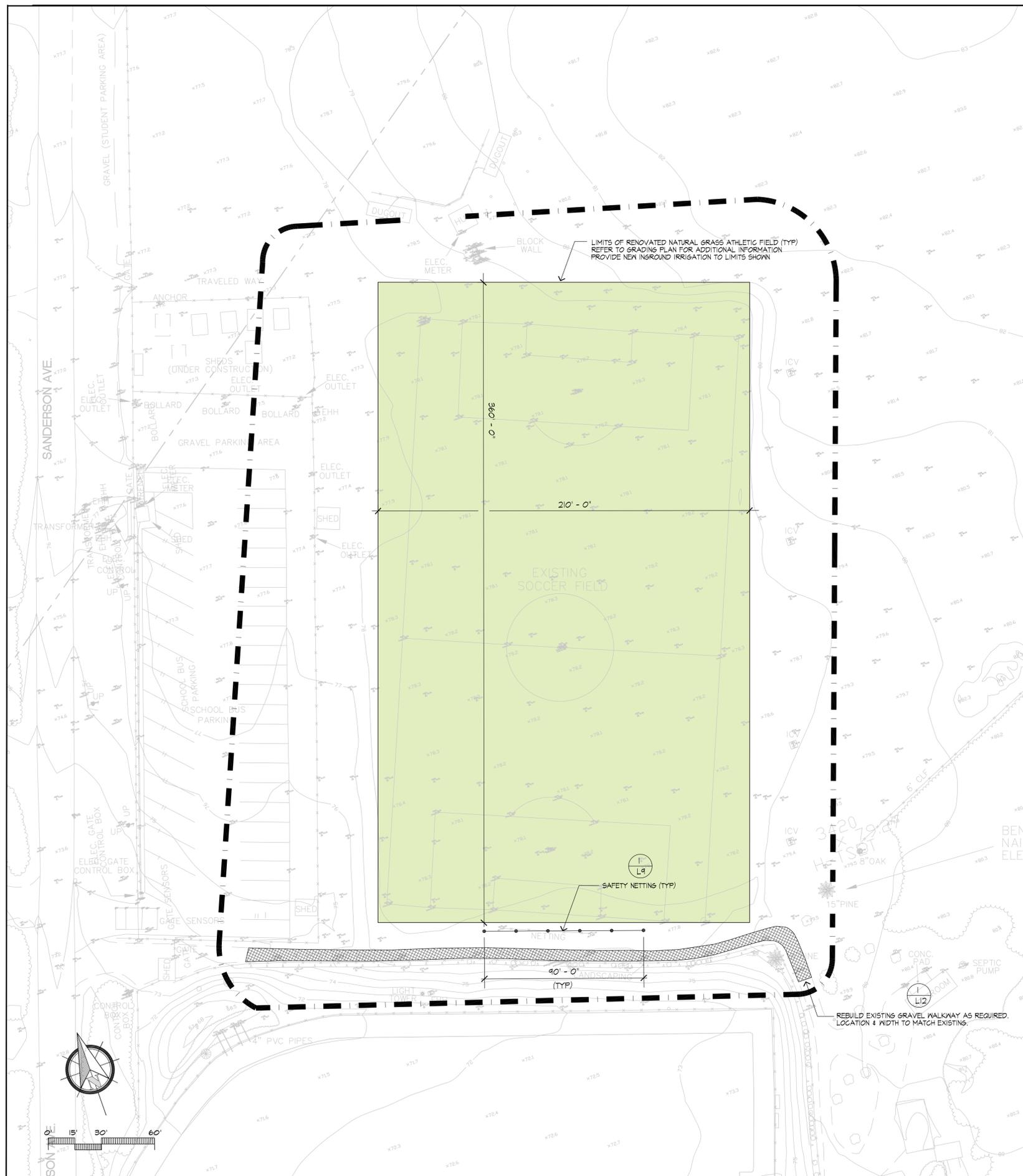
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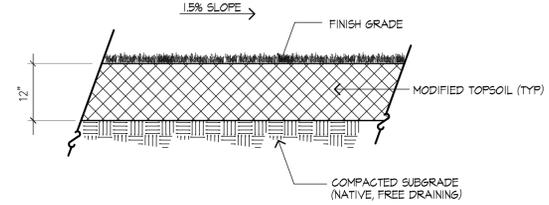
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Revision \_\_\_\_\_ Date \_\_\_\_\_

Scale: AS NOTED  
Date: 1.22.20  
Job: 00-107  
File: PR-mp  
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Checked: --  
Drawing No. **L-11**  
of 13



**1 GRAVEL WALKWAY SECTION**  
SCALE: 1" = 1'-0"

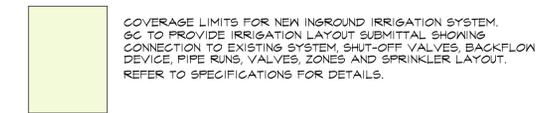


**2 ATHLETIC FIELD CROSS-SECTION**  
SCALE: 1" = 1'-0"

**FIELD RESURFACING SCOPE OF WORK**

1. STRIP, SCREEN & STOCKPILE EXISTING TOPSOIL WITHIN FIELD LIMITS.
2. CARRY OUT FIELD SUB BASE GRADING TO REQUIRED SLOPE OF 1.5%, AS NOTED.
3. INSTALL FIELD PERIMETER DRAINS AS SHOWN. RE-INSTALL SCREENED TOPSOIL. PROVIDE ADDITIONAL TOPSOIL AS REQUIRED TO MEET PROPOSED GRADES.
4. CARRY OUT ROTOTILLING OPERATION TO A DEPTH OF AT LEAST 6" TO BREAK UP AND DE-COMPACT SOIL, REMOVING ANY FURTHER VEGETATION OR ROOT BULK.
5. CARRY OUT STONE PICKING/RAKING OPERATION TO REMOVE ANY STONE GREATER THAN 1/8" (3MM) IN AVERAGE DIAMETER. REMOVE THE STONE THROUGHOUT THE TOP 4" OF SOIL DEPTH.
6. APPLY NECESSARY FERTILIZATION, MINERAL SUPPORT AND SOIL AMENDMENTS AS REQUIRED BY THE PROJECT SPECIFICATIONS.
7. APPLY TO THE SURFACE A MINIMUM OF 300 TON OF SAND SUITABLE FOR USE IN AN ATHLETIC FIELD TOPSOIL. REFER TO SPECIFICATIONS FOR DETAILS.
8. CARRY OUT A BLENDING AND MIXING OPERATION INTO THE TOP 4" DEPTH OF SOIL.
9. INSTALL ATHLETIC FIELD PANEL DRAIN IN SAND TRENCHES, AS PER DETAILS.
10. THE FIELD SHOULD THEN BE CONSOLIDATED TO A DEPTH OF 3" TO A MINIMUM OF ITS PSI TESTED OVER A MINIMUM OF 10 LOCATIONS ON THE FIELD USING A PENETROMETER.
11. SOIL IMPACT HARDNESS (SMAX) LEVELS ARE TO BE TESTED AND NOT EXCEED NINETY (90) GRAVITIES OVER A MINIMUM OF TEN (10) LOCATIONS THROUGHOUT THE FIELD.
12. SOD ALL DISTURBED AREAS WITH A SUITABLE QUALITY ATHLETIC FIELD KENTUCKY BLUE GRASS SOD BLEND. REFER TO SPECS FOR DETAILS.

**IRRIGATION LEGEND**



**SITE PREPARATION NOTES**

1. EXISTING CONDITIONS PLAN ENTITLED 'TOPOGRAPHIC SURVEY' PREPARED BY MARCHIONDA ASSOCIATES, LP OF STONEHAM, MA, DATED OCTOBER 23, 2014.
2. WITHIN THE LIMIT OF THE WORK LINE AS NOTED ON THE SITE PREPARATION PLANS, REMOVE AND DISCARD ALL CONCRETE PAVEMENT, BITUMINOUS CONCRETE PAVEMENT, BRICK PAVEMENT, TOP SOIL, MULCH, TRASH, DEAD TREES AND STUMPS, SHRUBBERY, CHAIN LINK FENCE POSTS, RAILS, FABRIC, GATES, FOOTINGS AND ALL APPURTENANCES, BOLLARDS, POSTS, CONCRETE FOOTINGS AND FOUNDATIONS, WALLS AND CURBS UNLESS OTHERWISE NOTED.
3. THE ARCHITECT SHALL BE CONSULTED AND WILL REVIEW THE WORK ON SITE WITH THE CONTRACTOR BEFORE ANY WORK SHALL COMMENCE.
4. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS TO THE ARCHITECT PRIOR TO STARTING WORK.
5. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING CONDITIONS TO REMAIN THAT ARE DUE TO CONTRACTOR OPERATIONS AND WHICH ARE INSIDE OR OUTSIDE THE LIMIT OF DEMOLITION.
6. ALL ITEMS TO BE REMOVED THAT ARE NOT STOCKPILED FOR LATER REUSE ON THE PROJECT OR DELIVERED TO THE OWNER SHALL BE LEGALLY DISPOSED OF OFF SITE BY THE CONTRACTOR.
7. THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE DIAGRAMMATIC ONLY. THE CONTRACTOR SHALL CONTACT DIGSAFE AND THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANIES TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS EFFORTS OF THE DEMOLITION WITH ALL TRADES.
9. THE CONTRACTOR SHALL MAINTAIN OR ADJUST TO NEW FINISH GRADE AS NECESSARY ALL UTILITY AND SITE STRUCTURES SUCH AS LIGHT POLES, SIGN POLES, MAN HOLES, CATCH BASINS, HAND HOLES, WATER AND GAS GATES, HYDRANTS, ETC., FROM MAINTAINED UTILITY AND SITE SYSTEMS UNLESS OTHERWISE NOTED OR DIRECTED BY THE OWNER'S REPRESENTATIVE.
10. THE CONTRACTOR SHALL COORDINATE ALL ADJUSTMENT OR ABANDONMENT OF UTILITIES WITH THE RESPECTIVE UTILITY COMPANY.
11. THE CONTRACTOR SHALL PROVIDE 6' CHAIN LINK CONSTRUCTION FENCE ALONG THE LIMIT-OF-WORK BOUNDARY AS NECESSARY TO SECURE THE SITE THROUGHOUT CONSTRUCTION.
12. THE CONTRACTOR SHALL PROVIDE & INSTALL SILT SACKS IN ALL CATCH BASINS WITHIN 200' OF THE LIMIT OF WORK LINE, OR AS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT IN THE FIELD.



Project:  
**Martha's Vineyard Regional High School**

Oak Bluffs, Massachusetts

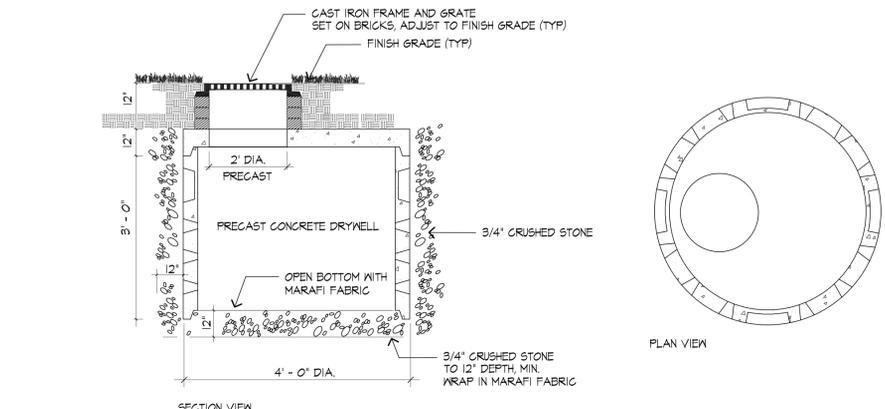
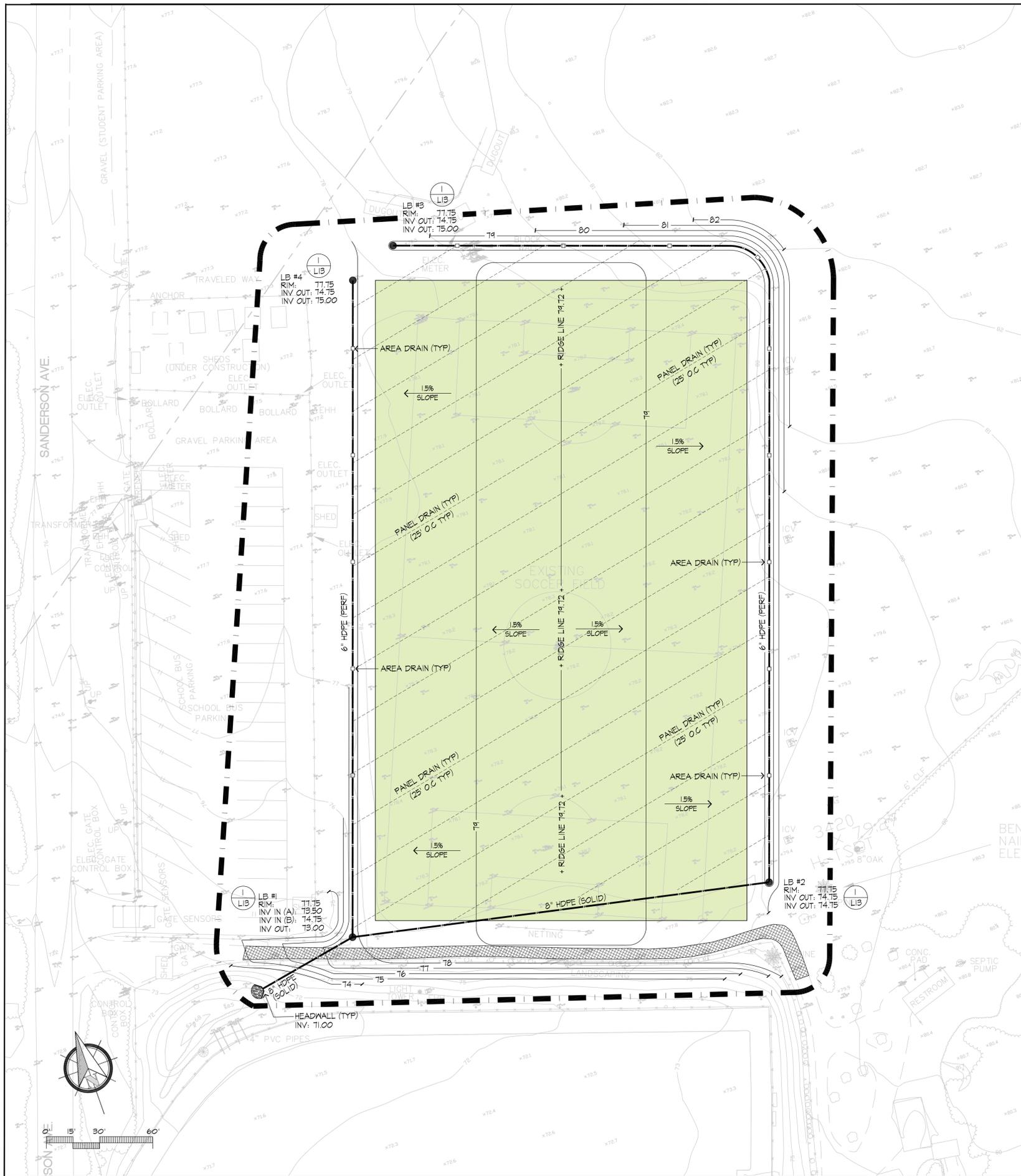
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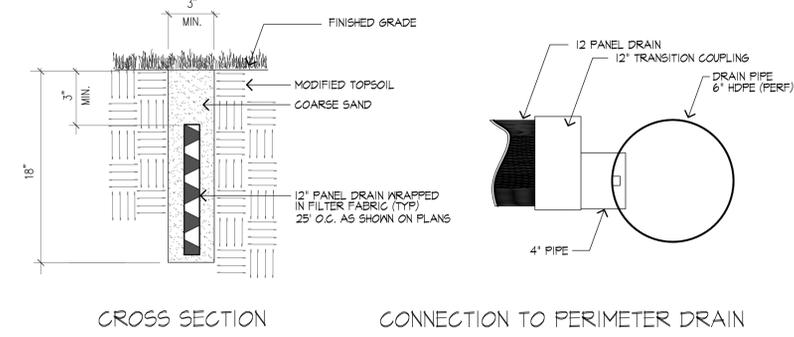
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Revision	Date

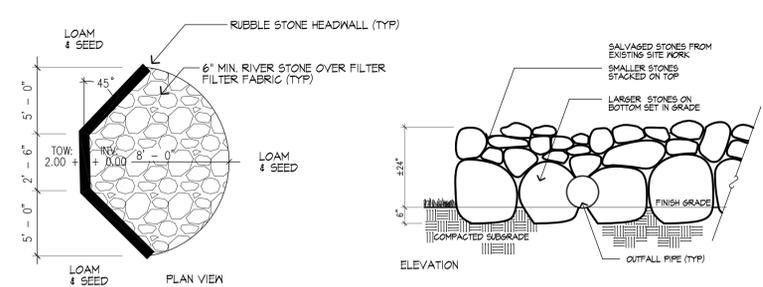
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Job:	00-107		
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Drawn:	CCH	of	
Checked:	--		<b>13</b>



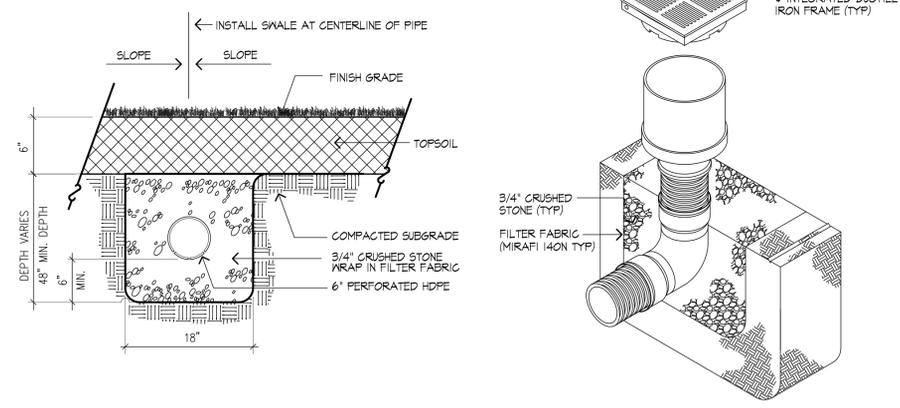
**1 LEACHING BASIN**  
SCALE: 1"=1'-0"



**2 ATHLETIC FIELD PANEL DRAINS**  
SCALE: 1" = 1'-0"



**3 HEADWALL & DISSIPATOR**



**4 PERFORATED DRAIN**  
SCALE: 1"=1'-0"

**5 INLNE DRAIN WITH IRON GRATE**  
SCALE: N.T.S.



Project:  
**Martha's Vineyard Regional High School**

Oak Bluffs, Massachusetts

Drawing Title:  
**Grading & Drainage Field #2**



**PRELIMINARY DESIGN NOT FOR CONSTRUCTION**

Revision \_\_\_\_\_ Date \_\_\_\_\_

Scale: 1"=30' Drawing No. **L13**  
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Drawn: CCH of  
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Project:

**Martha's Vineyard  
Regional High  
School**

**Oak Bluffs, Massachusetts**

Drawing Title:

**ELECTRICAL  
LEGEND AND  
DETAILS**

Revision \_\_\_\_\_ Date \_\_\_\_\_

Scale: NONE Drawing No. **E000**  
Date: 12.16.19  
Job: 60-19-400  
File: Martha's Vineyard - BALA MEP 2019  
Drawn: ERA  
Checked: KJA

**RACEWAYS AND WIRING**

(REFER TO SPECIFICATIONS FOR GROUND WIRE(S) NOT SHOWN ON DRAWINGS)  
(REFER TO SPECIFICATIONS FOR WIRE AND HOMERUN REQUIREMENTS)  
LH1-1.3 HH → HOMERUN TO PANEL "LH1", CIRCUITS 1 AND 3. DIAGONAL LINES INDICATE NUMBER OF CONDUCTORS WHEN MORE THAN TWO.

**MISCELLANEOUS**

- PANELBOARD
- ⊞ DISCONNECT SWITCH - FUSED
- ⊞ DISCONNECT SWITCH - UNFUSED
- HH □ HANDHOLE
- CB □ COM BOX
- PB □ PULL BOX

**PARTIAL LIST OF ABBREVIATIONS**

- AFF ABOVE FINISHED FLOOR
- AWG AMERICAN WIRE GAUGE
- CL CENTERLINE
- C CONDUIT
- CB CIRCUIT BREAKER
- G GROUND
- GF GROUND FAULT
- HH HANDHOLE
- HP HORSEPOWER
- KCM THOUSAND CIRCULAR MILS
- NIC NOT IN CONTRACT
- SB SCOREBOARD
- WP WEATHERPROOF
- XFMR TRANSFORMER

**RECEPTACLES**

CENTERLINE 18" A.F.F. EXCEPT AS NOTED, REFER TO SPECIFICATIONS FOR MANUFACTURER AND CATALOG NUMBER. NUMERAL INDICATES BRANCH CIRCUIT DESIGNATION.

- ⊞ DUPLEX
- ⊞ DUPLEX WITH GROUND FAULT PROTECTION.

**LUMINAIRE AND OUTLET**

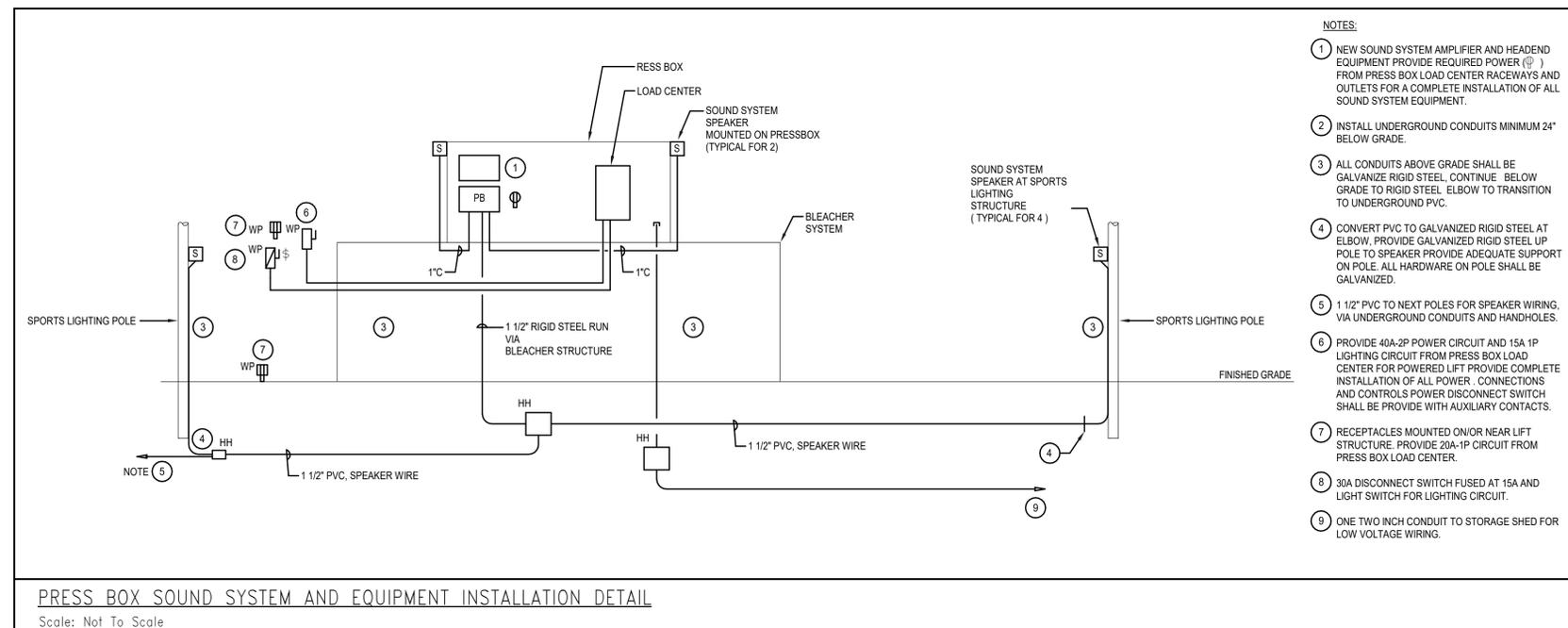
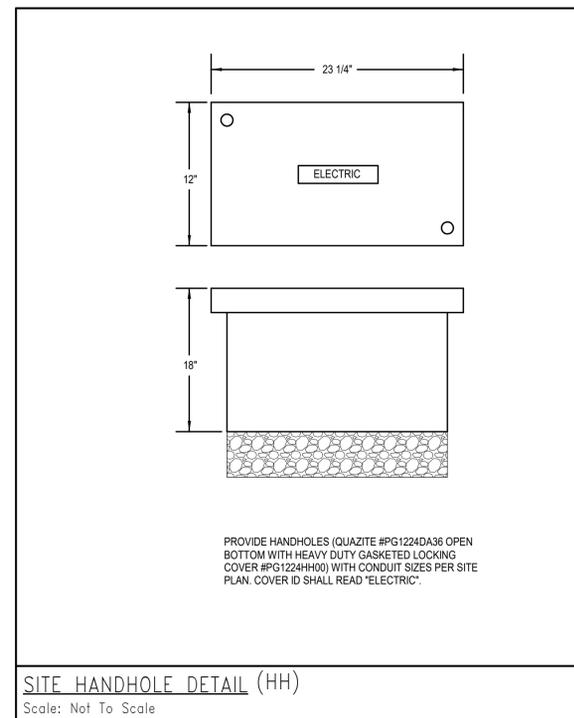
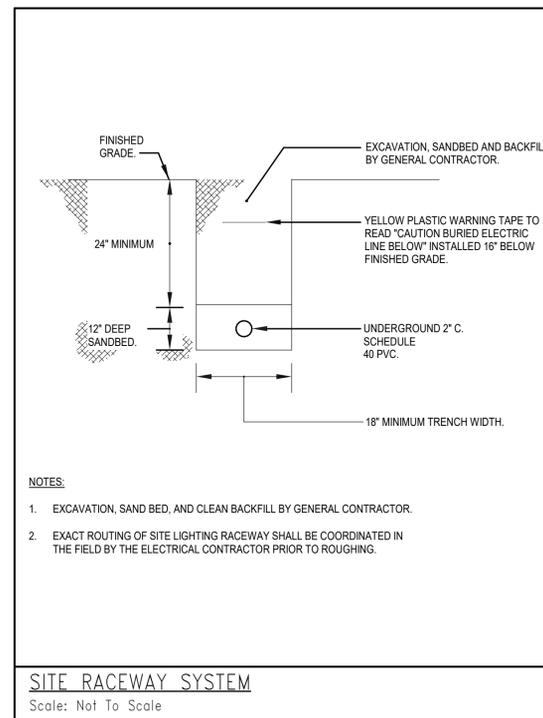
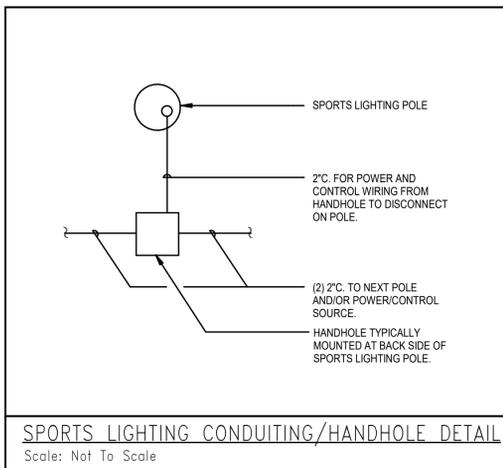
- WALL MOUNTED
- LINEAR

**ELECTRICAL DRAWING LIST**

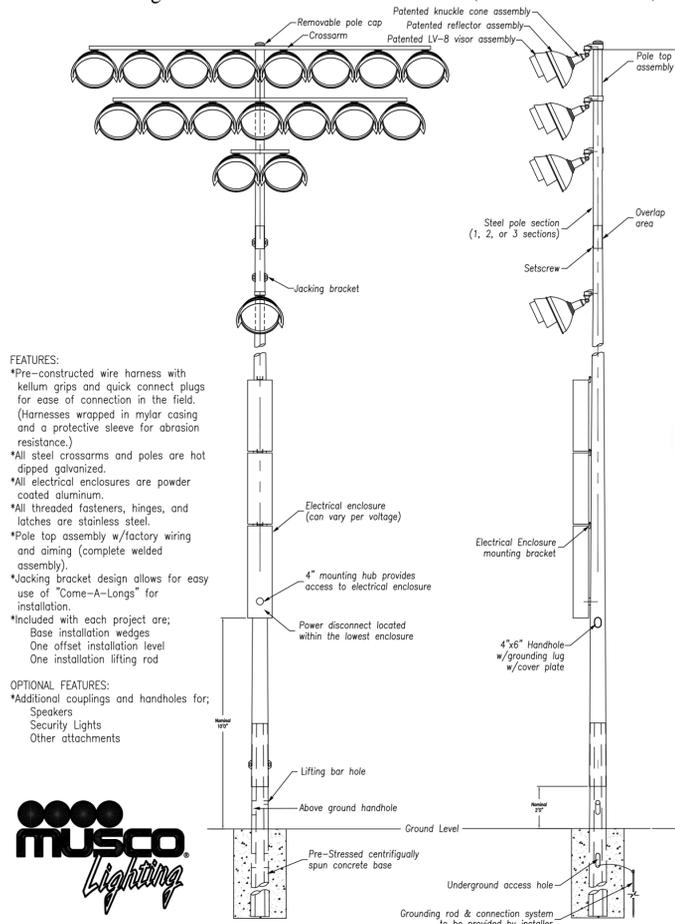
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		INDEX	TOTAL
E-000	ELECTRICAL LEGEND AND DETAILS	1	3
E-001	ELECTRICAL DETAILS SHEET 1	2	3
E-101	ELECTRICAL SITE PLAN	3	3

**SITE LUMINAIRE SCHEDULE**

FIXTURE TYPE	LAMP	WATTAGE	MANUFACTURER	CATALOG NUMBER	MOUNTING	REMARKS
L1	LED		LITHONIA	ZLIN-L48-5000LM-FST-35K-90CR1-LB020-WH	PENDANT	-
LG1	LED		HYDREL	HYDREL-M9940-A-12LED-WHT41K-MVOLT-NSP-FLC/FLF-34S-GS-RG-STS-LDIM-LP-DNA	GROUND	GROUND MOUNTED AT FLAG POLE
LW1	LED	40W	LITHONIA	OLWX1-40W-40K-PE	WALL	SHED EXTERIOR



**Light Structure with 15 Fixtures (3 Lower Fixtures 18 Total)**



**FEATURES:**  
 \*Pre-constructed wire harness with kelim grips and quick connect plugs for ease of connection in the field. (Harnesses wrapped in mylar casing and a protective sleeve for abrasion resistance.)  
 \*All steel crossarms and poles are hot dipped galvanized.  
 \*All electrical enclosures are powder coated aluminum.  
 \*All threaded fasteners, hinges, and latches are stainless steel.  
 \*Pole top assembly w/factory wiring and aiming (complete welded assembly).  
 \*Jacking bracket design allows for easy use of "Come-A-Longs" for installation.  
 \*Included with each project are:  
 Base installation wedges  
 One offset installation level  
 One installation lifting rod

**OPTIONAL FEATURES:**  
 \*Additional couplings and handholes for:  
 Speakers  
 Security Lights  
 Other attachments

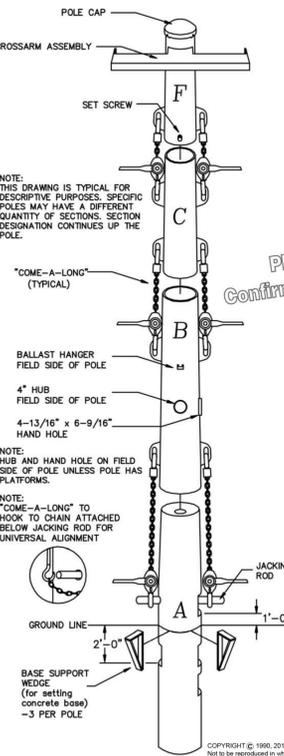


POLE	HTG	WTG	CONC	DRESSED	HOLE	HOLE	BACK	BACK
S1	70	18	5300	3743	30	16	16	1.8
S2	70	18	5300	3743	30	16	16	1.8
S3	70	18	5300	3743	30	16	16	1.8
S4	70	18	5300	3743	30	16	16	1.8

**Preliminary Information - Foundation requirements should be confirmed prior to installation.**

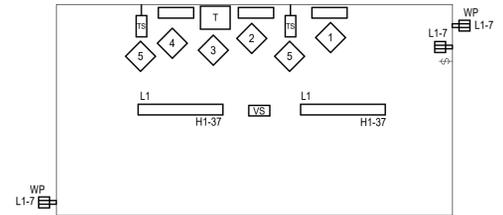
**PRELIMINARY**  
 Confirm Before Installing

**Note:** Design standard IBC wind zone 90 mph.  
 Backfill - concrete needed for backfill is 3000PSI minimum strength.  
 Foundation design based on UBC or IBC class 5 strength soils.  
 Refer to Structural foundation designs or jacking drawings for final installation details.  
 Steel shaft weight is the dressed pole weight.

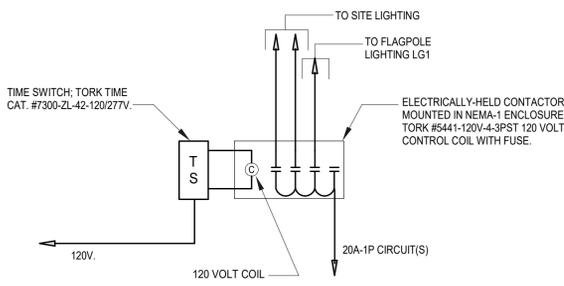


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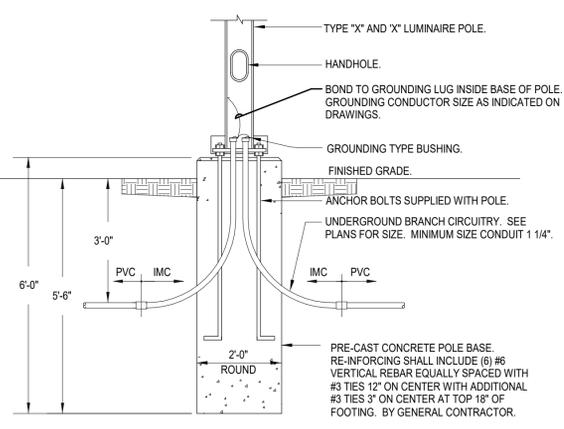
- STORAGE SHED EQUIPMENT ID:**
- 1 480/277V 3PH 4W PANELBOARD H1
  - 2 MUSCO CONTROL PANEL
  - 3 TRANSFORMER
  - 4 208/120V 3PH 4W PANELBOARD L1
  - 5 TIME SWITCH



**STORAGE SHED PART PLAN DETAIL**  
 Scale: Not To Scale



**TIME SWITCH WIRING DIAGRAM**  
 Scale: NOT TO SCALE



**PRE-CAST POLE BASE DETAIL**  
 Scale: Not To Scale

**PANELBOARD: H1**

Location: Volts: 277/480 Wye  
 Supply From: Phases: 3  
 Mounting: Surface Wires: 4  
 Enclosure: Type 1 SPD

A.I.C. Rating: 65  
 Mains Type:  
 Mains Rating: 400 A  
 MCB Rating: 400 A

CKT	Circuit Description	Type	Trip	Poles	A	B	C	Poles	Trip	Type	Circuit Description	CKT	
1	MUSCO SPORTS LIGHT A1 #6, 1#8G.		30A	3	0 VA	0 VA					MUSCO SPORTS LIGHT A2 #6, 1#8G.	2	
3						0 VA	0 VA					4	
5							0 VA	0 VA				6	
7	MUSCO SPORTS LIGHT A3 #10, 1#10G.		30A	3		0 VA	0 VA				MUSCO SPORTS LIGHT A4 #10, 1#10G.	8	
9							0 VA	0 VA				10	
11								0 VA	0 VA			12	
13					0 VA	0 VA						14	
15						0 VA	0 VA					16	
17							0 VA	0 VA				18	
19					0 VA	0 VA						20	
21						0 VA	0 VA					22	
23							0 VA	0 VA				24	
25					0 VA	0 VA						26	
27						0 VA	0 VA					28	
29							0 VA	0 VA				30	
31	MUSCO				0 VA	0 VA				1	20A	FLAG POLE LIGHTS	32
33	POWERLINE					0 VA	0 VA			1	20A	FLAG POLE LIGHTS	34
35	COMMUNICATION						0 VA	0 VA		1	20A	SITE LIGHTS	36
37	SHED LIGHTS				0 VA	0 VA				1	20A	SITE LIGHTS	38
39	SPARE				20A	1				1	20A	SITE LIGHTS	40
41	SPARE				20A	1				1	20A	SPARE	42

**PANELBOARD: L1**

Location: Volts: 120/208 Wye  
 Supply From: Phases: 3  
 Mounting: Surface Wires: 4  
 Enclosure: Type 1 SPD

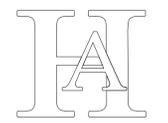
A.I.C. Rating: 22  
 Mains Type:  
 Mains Rating: 150 A  
 MCB Rating: 150 A

CKT	Circuit Description	Type	Trip	Poles	A	B	C	Poles	Trip	Type	Circuit Description	CKT	
1	PRESSBOX #1		100A	2	0 VA	0 VA				1	20A	COM BOX RECEPTACLE	2
3						0 VA	0 VA			1	20A	COM BOX RECEPTACLE	4
5							0 VA	0 VA		1	20A	COM BOX RECEPTACLE	6
7	SHED				0 VA	0 VA				1	20A	COM BOX RECEPTACLE	8
9	SCOREBOARD					0 VA	0 VA			1	20A	COM BOX RECEPTACLE	10
11	SPARE						0 VA	0 VA		1	20A	SPARE	12
13	SPARE				0 VA	0 VA				1	20A	SPARE	14
15	SPARE					0 VA	0 VA			1	20A	SPARE	16
17	SPARE				0 VA	0 VA				1	20A	SPARE	18
19	SPARE				0 VA	0 VA				3	20A	SPARE	20
21	SPARE						0 VA	0 VA				22	
23	SPARE						0 VA	0 VA		1	--	SPACE AND HARDWARE	24
25	SPARE				0 VA	0 VA				1	--	SPACE AND HARDWARE	26
27	SPARE					0 VA	0 VA			1	--	SPACE AND HARDWARE	28
29	SPARE						0 VA	0 VA		1	--	SPACE AND HARDWARE	30
31	SPACE AND HARDWARE				--	1	0 VA	0 VA		1	--	SPACE AND HARDWARE	32
33	SPACE AND HARDWARE				--	1	0 VA	0 VA		1	--	SPACE AND HARDWARE	34
35	SPACE AND HARDWARE				--	1		0 VA	0 VA	1	--	SPACE AND HARDWARE	36
37	SPACE AND HARDWARE				--	1	0 VA	0 VA		1	--	SPACE AND HARDWARE	38
39	SPACE AND HARDWARE				--	1		0 VA	0 VA	1	--	SPACE AND HARDWARE	40
41	SPACE AND HARDWARE				--	1		0 VA	0 VA	1	--	SPACE AND HARDWARE	42

**DRY-TYPE TRANSFORMER SCHEDULE**

I.D.	NAMEPLATE VA	480V, 3Ø, 3W, PRIMARY		120/208V, 3Ø, 4W, SECONDARY	
		PRIMARY AMPS	480V OVERCURRENT	SECONDARY AMPS	208V OVERCURRENT
45/T4	45	54	70A-3P	3#4, 1#8 GND., 1 1/4\"/>	

**NOTES:**  
 1. CONDUCTOR SIZES ARE FOR COPPER CONDUCTORS AND ARE MINIMUM.



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 STRUCTURAL | TECHNOLOGY | COMMISSIONING

Project:  
**Martha's Vineyard Regional High School**

Oak Bluffs, Massachusetts

Drawing Title:

**ELECTRICAL DETAIL SHEET 1**

Revision \_\_\_\_\_ Date \_\_\_\_\_

Scale: NONE Drawing No. \_\_\_\_\_

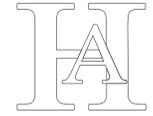
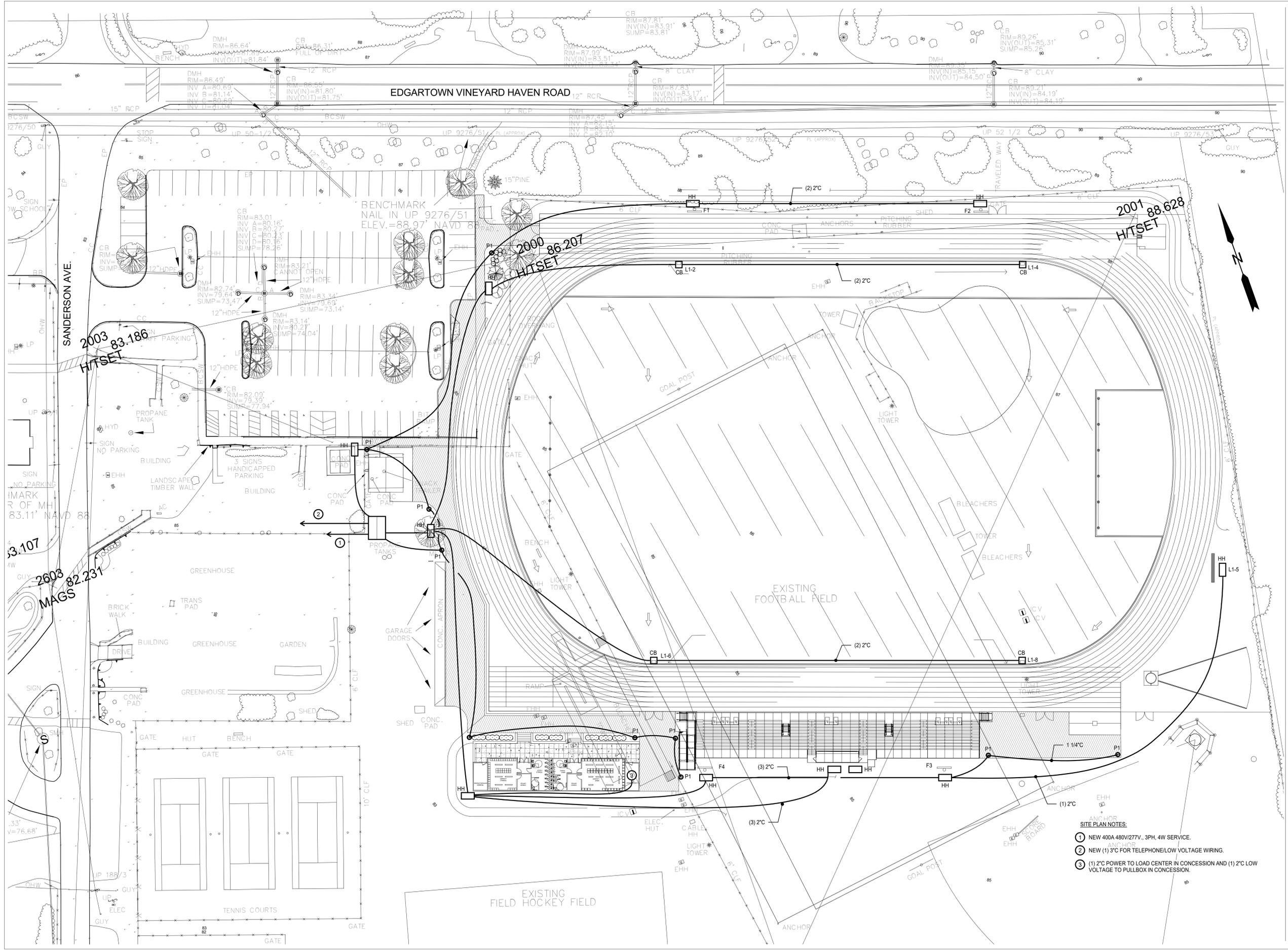
Date: 12.16.19

Job: 60-19-400 **E001**

File: Martha's Vineyard - BALA MEP 2019

Drawn: ERA

Checked: KJA



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Project:  
**Martha's Vineyard  
Regional High  
School**

Oak Bluffs, Massachusetts

Drawing Title:  
**ELECTRICAL SITE  
PLAN**

Revision	Date

Scale: 1" = 30'-0"  
Date: 12.16.19  
Job: 60-19-400  
File: Martha's Vineyard - BALA MEP 2019  
Drawn: ERA  
Checked: KJA

Drawing No.  
**E101**

- SITE PLAN NOTES:**
- ① NEW 400A 480V/277V, 3PH, 4W SERVICE.
  - ② NEW (1) 3" C FOR TELEPHONE/LOW VOLTAGE WIRING.
  - ③ (1) 2" C POWER TO LOAD CENTER IN CONCESSION AND (1) 2" C LOW VOLTAGE TO PULLBOX IN CONCESSION.