100% PERMITTING DRAWINGS FOR

ATHLETIC FIELD IMPROVEMENTS - Phase One

Martha's Vineyard Regional High School

January 22, 2020

Rev. 9.23.20

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

LIST OF DRAWINGS:

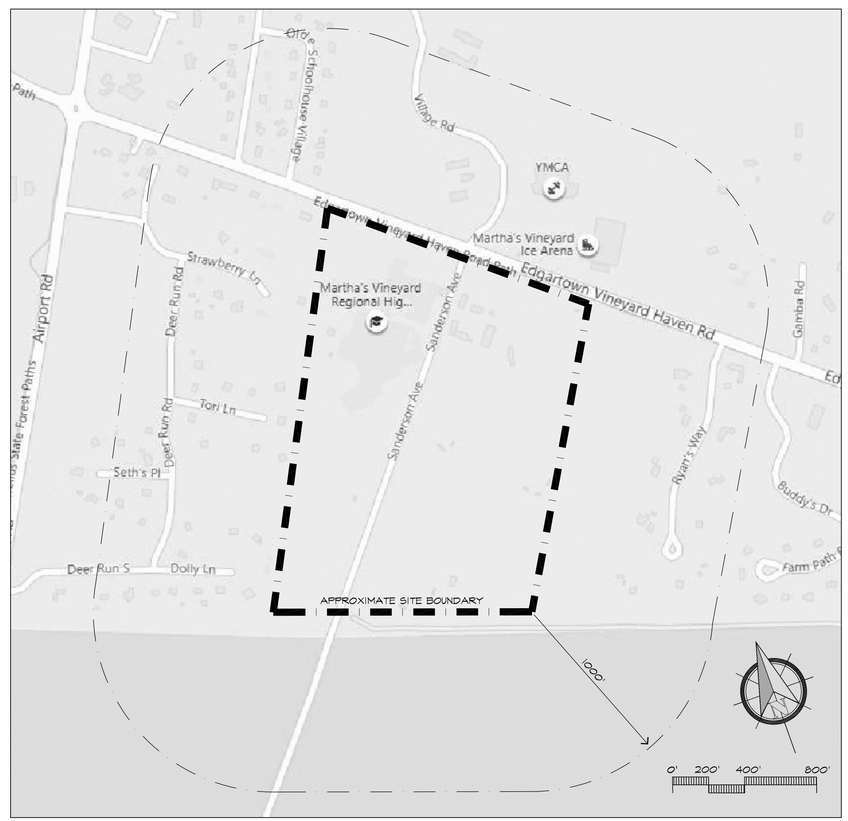
CP-1 OVERALL CAMPUS PLAN
EX-1 EXISTING CONDITIONS PLAN
EX-2 EXISTING CONDITIONS PLAN
SP-1 SITE PREPARATION PLAN
SP-2 SITE PREPARATION DETAILS

L-1 LAYOUT & MATERIALS PLAN
L-2 GRADING & DRAINAGE PLAN
L-3.0 LANDSCAPE PLAN & ENLARGEMENTS
L-3.1 LANDSCAPE DETAILS
L-3.2 STORMWATER DETAILS
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-11.0 ENLARGEMENT PLAN - FIELD HOUSE
L-11.1 ENLARGEMENT PLAN - ENTRY PLAZA
L-12 LAYOUT & MATERIALS PLAN (Field #2)
L-13 GRADING & DRAINAGE PLAN (Field #2)

A100 FIELDHOUSE FLOOR PLANS
A200 FIELDHOUSE 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
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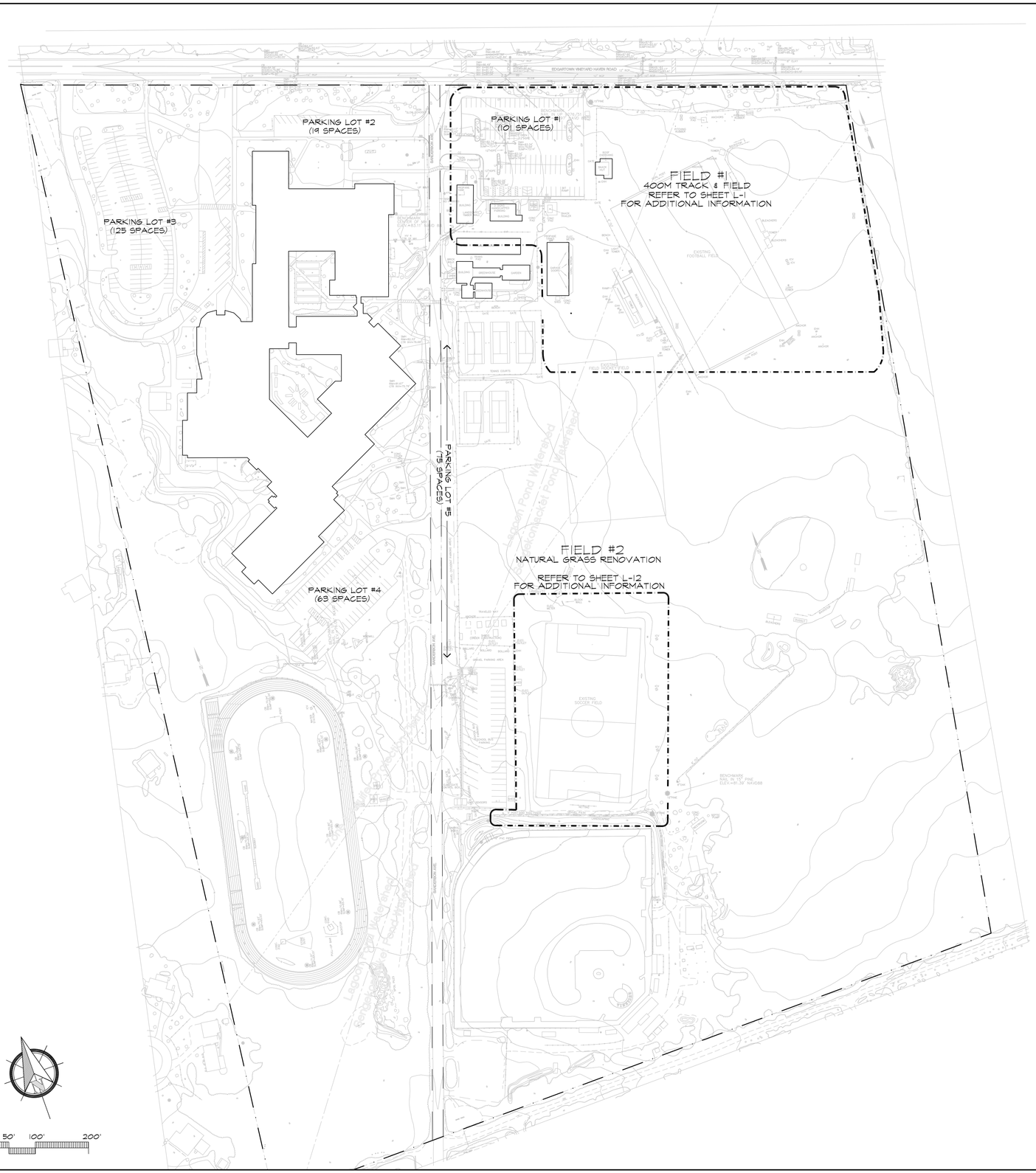
52 Temple Place
Boston, Massachusetts 02111

DAEDALUS

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

1. EXISTING CONDITIONS PLAN ENTITLED "TOPOGRAPHIC SURVEY" PREPARED BY MARCHIONDA ASSOCIATES, LP - OF STONEHAM, MA DATED OCTOBER 23, 2019.
2. 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
3. CONTRACTOR(s) SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL CONSTRUCTION DOCUMENTS, SPECIFICATIONS, AND SITE CONDITIONS PRIOR TO BIDDING AND PRIOR TO CONSTRUCTION.
4. 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.
5. ALL DIMENSIONS ARE TAKEN TO THE FIELD CENTERLINE, EXCEPT WHERE OTHERWISE NOTED.
6. 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 CAPPED OR DEMOLISHED AS REQUIRED.

GRADING & UTILITY NOTES

1. EXISTING CONDITIONS PLAN ENTITLED "TOPOGRAPHIC SURVEY" PREPARED BY MARCHIONDA ASSOCIATES, LP., DATED 10/23/19
2. 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.
3. WHERE PROPOSED GRADES MEET EXISTING GRADES, CONTRACTOR SHALL BLEND GRADES TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW WORK. PONDING AT TRANSITION AREAS WILL NOT BE ALLOWED.
4. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL ATHLETIC FIELDS
5. MAXIMUM SLOPE IN DISTURBED AREAS SHALL NOT EXCEED 3:1, UNLESS OTHERWISE NOTED.
6. ENSURE ALL EXISTING (TO REMAIN), AND PROPOSED MANHOLE COVERS PROPERLY IDENTIFY UTILITY SERVICED.
7. CONTRACTOR SHALL VERIFY EXISTING GRADES AND NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
8. BITUMINOUS CONCRETE ELEVATIONS AT CATCH BASINS TO BE 1/4 INCH ABOVE RIM ELEVATION SHOWN FOR CATCH.
9. 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.

WATERSHED NOTES

1. LIMITS OF THE LAGOON POND WATERSHED AND SENGEKONTACKET POND WATERSHED PROVIDED BY THE MARTHA'S VINEYARD COMMISSION ON 2/21/20

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

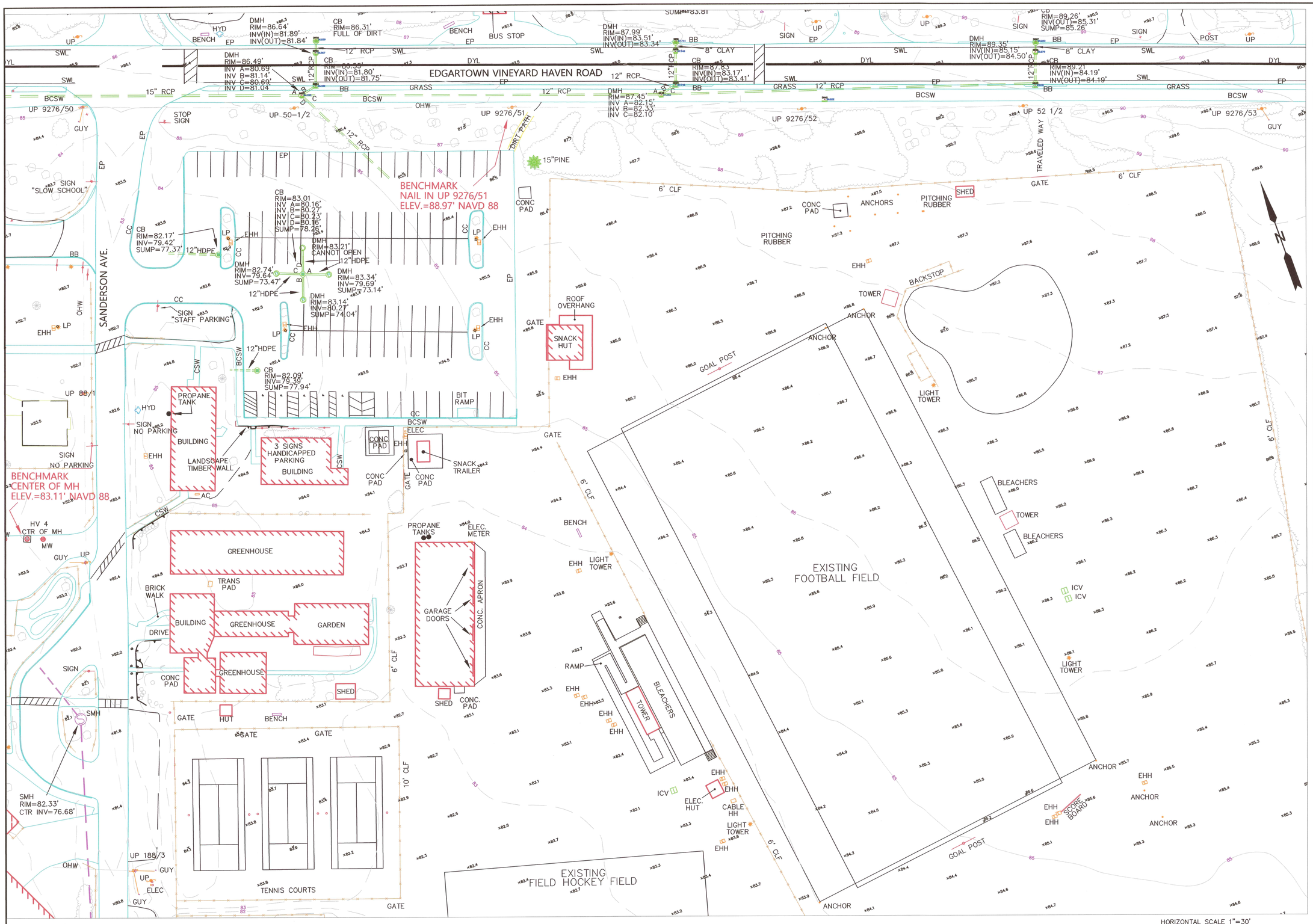
Drawing Title:

Overall Campus Plan

PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

Revision	Date
STATE PLUMBING VARIANCE	7/29/20

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



NOTES

1. TOPOGRAPHIC FEATURES BASED UPON AERIAL PHOTOGRAPHY FLOWN IN JANUARY OF 2019 AND A FIELD SURVEY BY MARCHIONDA & ASSOCIATES, L.P. PERFORMED IN NOVEMBER OF 2019.
2. THE LOCATION OF EXISTING PIPES, CONDUITS, AND OTHER UNDERGROUND UTILITIES ARE NOT WARRANTED TO BE CORRECT OR COMPLETE AND ARE BASED UPON VISIBLE OBSERVATION AND THE BEST APPROXIMATION OF THE ACTUAL LOCATION FROM A FIELD SURVEY.
3. THIS PLAN DOES NOT SHOW ALL UNDERGROUND UTILITIES THAT MAY EXIST ON THE SITE.
4. CONTRACTORS SHALL VERIFY ALL UNDERGROUND UTILITIES, CONDUITS, PIPES, ETC, AND NOTIFY DIGSAFE PRIOR TO ANY EXCAVATIONS ON THE SITE.
5. HORIZONTAL DATUM IS MASSACHUSETTS STATE COORDINATE SYSTEM (NAD 83).
6. VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988.

COMMONWEALTH OF MASSACHUSETTS
STEPHEN M. MELESCIUC
No. 39049
PROFESSIONAL LAND SURVEYOR
12/2/19

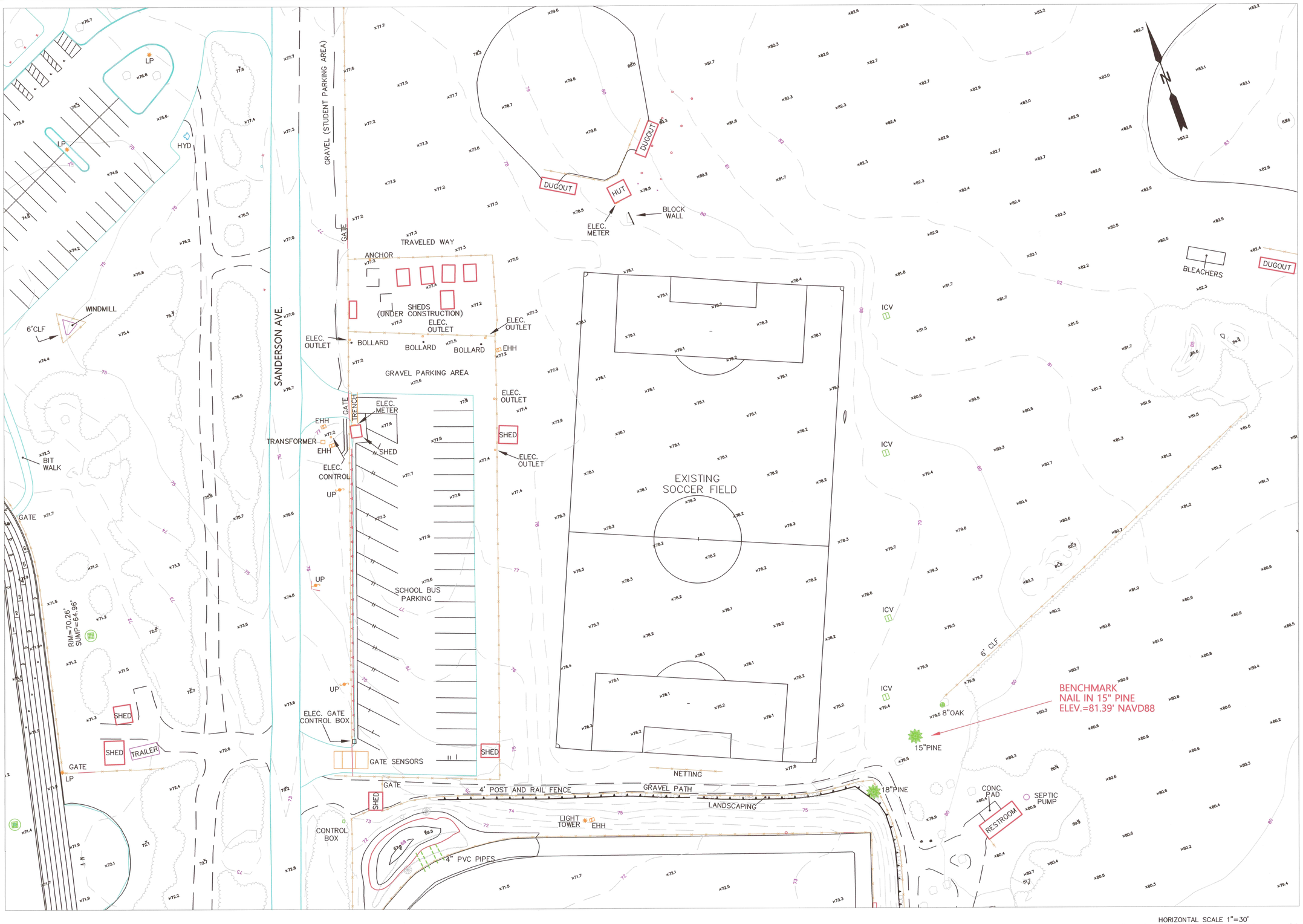
REV.	DESCRIPTION	DATE	DRW:	DSG:	CHK:
1.	ADD UTILITIES ON EDGARTOWN VINEYARD HAVEN RD	12-2-19			

EXISTING CONDITIONS PLAN

MARTHA'S VINEYARD
REGIONAL HIGH SCHOOL
in
OAK BLUFFS, MA
Prepared For
HUNTRESS SPORTS
17 TEWKSBURY STREET
ANDOVER, MA 01810

Marchionda
& Associates, L.P.
Engineering and Planning Consultants
62 Montvale Avenue
Suite I
Stoneham, MA 02180
TEL: (781) 438-6121
FAX: (781) 438-9654
Email: engineering@marchionda.com
Website: www.marchionda.com

DATE: 10/23/19
H:\PROJECTS\670-31 MVRHS\TOPO\MARCHIONDA TOPO2.DWG
M. & A. NO.: 670-31 | SCALE: 1"=30'
SHEET 1 OF 3



NOTES

1. TOPOGRAPHIC FEATURES BASED UPON AERIAL PHOTOGRAPHY FLOWN IN JANUARY OF 2019 AND A FIELD SURVEY BY MARCHIONDA & ASSOCIATES, L.P. PERFORMED IN NOVEMBER OF 2019.

2. THE LOCATION OF EXISTING PIPES, CONDUITS, AND OTHER UNDERGROUND UTILITIES ARE NOT WARRANTED TO BE CORRECT OR COMPLETE AND ARE BASED UPON VISIBLE OBSERVATION AND THE BEST APPROXIMATION OF THE ACTUAL LOCATION FROM A FIELD SURVEY.

3. THIS PLAN DOES NOT SHOW ALL UNDERGROUND UTILITIES THAT MAY EXIST ON THE SITE.

4. CONTRACTORS SHALL VERIFY ALL UNDERGROUND UTILITIES, CONDUITS, PIPES, ETC, AND NOTIFY DIGSAFE PRIOR TO ANY EXCAVATIONS ON THE SITE.

5. HORIZONTAL DATUM IS MASSACHUSETTS STATE COORDINATE SYSTEM (NAD 83).

6. VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988.

COMMONWEALTH OF MASSACHUSETTS
STEPHEN M. MELESCIUC
No. 39049
PROFESSIONAL LAND SURVEYOR
12/2/19

REV.	DESCRIPTION	DATE
1.	ADD UTILITIES ON EDGARTOWN VINEYARD HAVEN RD	12-2-19

DRW: DSG: CHK:

EXISTING CONDITIONS PLAN

MARTHA'S VINEYARD
REGIONAL HIGH SCHOOL
in
OAK BLUFFS, MA
Prepared For
HUNTRESS SPORTS
17 TEWKSBURY STREET
ANDOVER, MA 01810

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62 Montvale Avenue
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TEL: (781) 438-6121
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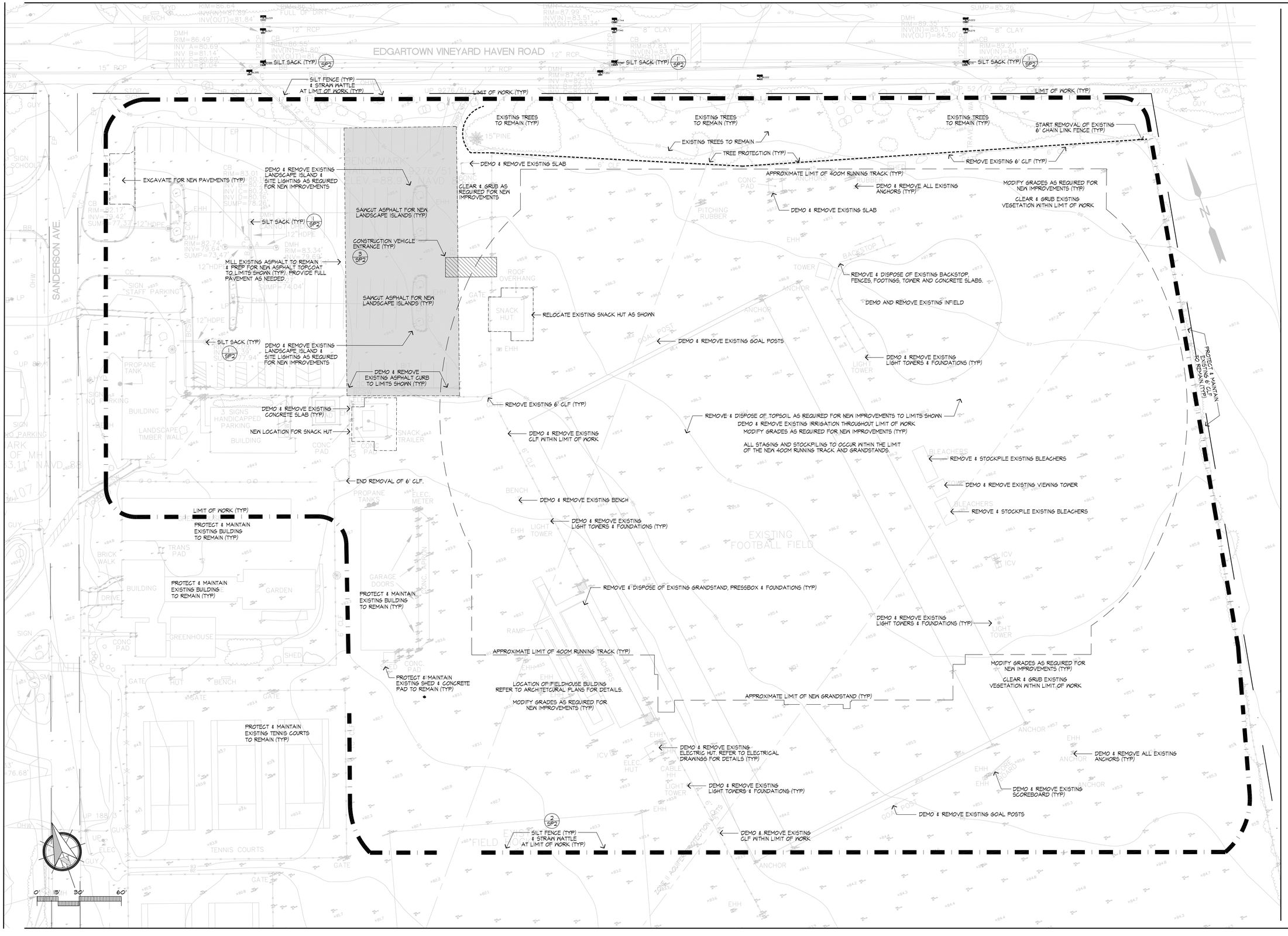
Website: www.marchionda.com

DATE: 10/23/19
H:\PROJECTS\670-31 MVRHS\TOPO\MARCHIONDA TOPO2.DWG
M. & A. NO.: 670-31 SCALE: 1"=30'
SHEET 3 OF 3



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

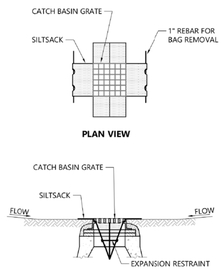
Drawing Title:

Site Preparation Plan

PRELIMINARY DESIGN NOT FOR CONSTRUCTION

Revision	Date
REDUCE TREE CUTTING	6.18.20
ADDED TREE PROTECTION	9.16.20

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



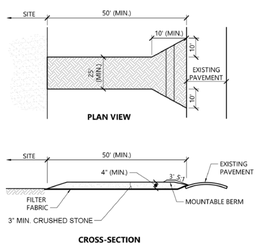
NOTES

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

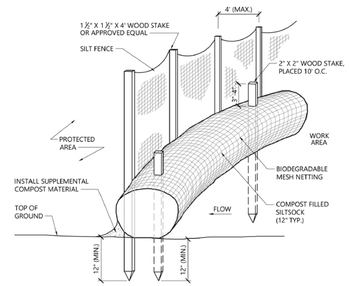
SCALE: 1/8"=1'-0"

SP-DBFL



NOTES

1. EXIT WIDTH SHALL BE A 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, DROPPED, 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.



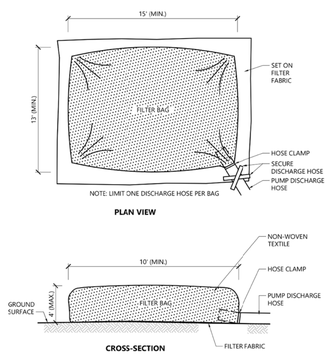
NOTES

1. SILTSOCK SHALL BE FILTEXX SILTSOXX, OR APPROVED EQUAL.
2. SILTSOCKS SHALL OVERLAP A MINIMUM OF 12 INCHES.
3. SILTSOCK 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 OFFSITE.

2 MULCH SOCK WITH SILTATION BARRIER

SCALE: N.T.S.

SP-HBSL2

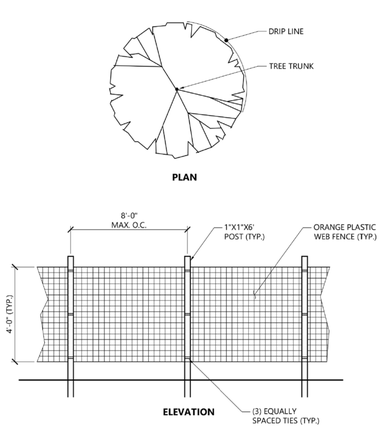


NOTES

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

3 CONSTRUCTION VEHICLE ENTRANCE

SP-HBSL2



NOTES

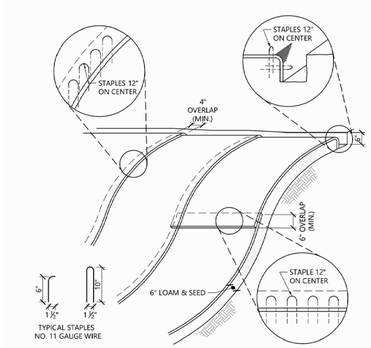
1. INSTALL TREE PROTECTION FENCE AT THE DRIP LINE OF EXISTING TREES TO REMAIN.

5 TREE PROTECTION

SCALE: N.T.S.

4 DEWATER - FILTER SACK

SCALE: N.T.S.



NOTES

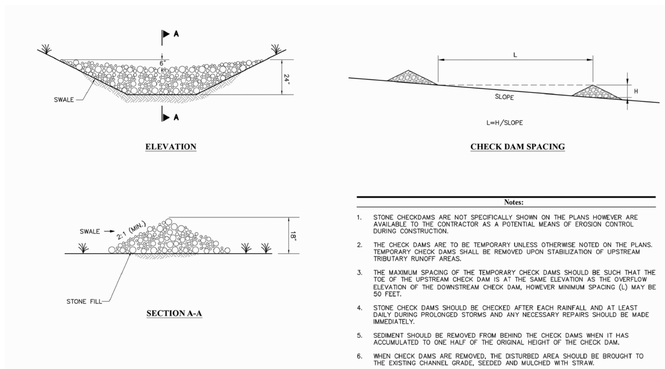
1. BEGIN AT THE TOP OF BLANKET INSTALLATION AREA BY ANCHORING BLANKET IN A 6" DEEP TRENCH BACKFILL AND COMPACT TRENCH AFTER STAPLING.
2. ROLL THE BLANKET DOWN THE SWALE IN THE DIRECTION OF THE WATER FLOW.
3. THE EDGES OF BLANKETS MUST BE STAPLED WITH APPROX. 4 INCH OVERLAP WHERE 2 OR MORE STRIP WIDTHS 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 23, 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.
13. FIELD #1: ALL STAGING AND STOCKPILING TO OCCUR WITHIN THE LIMITS OF THE 400M RUNNING TRACK AND GRANDSTAND AS SHOWN ON SHEET SP1. FIELD #2: ALL STAGING AND STOCKPILING TO OCCUR WITHIN THE LIMIT OF WORK LINE FOR FIELD #2 AS SHOWN ON SHEETS L12 AND L13, RESPECTIVELY.
14. EROSION CONTROL TO BE PROVIDED AT THE LIMIT OF WORK LINE FOR BOTH FIELD #1 & FIELD #2 REFER TO DETAIL #2, SHEET SP2 FOR ADDITIONAL INFORMATION.



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 TOE 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
978 470 8882 FAX 978 470 8890

Project:

Martha's Vineyard Regional High School

Oak Bluffs, Massachusetts

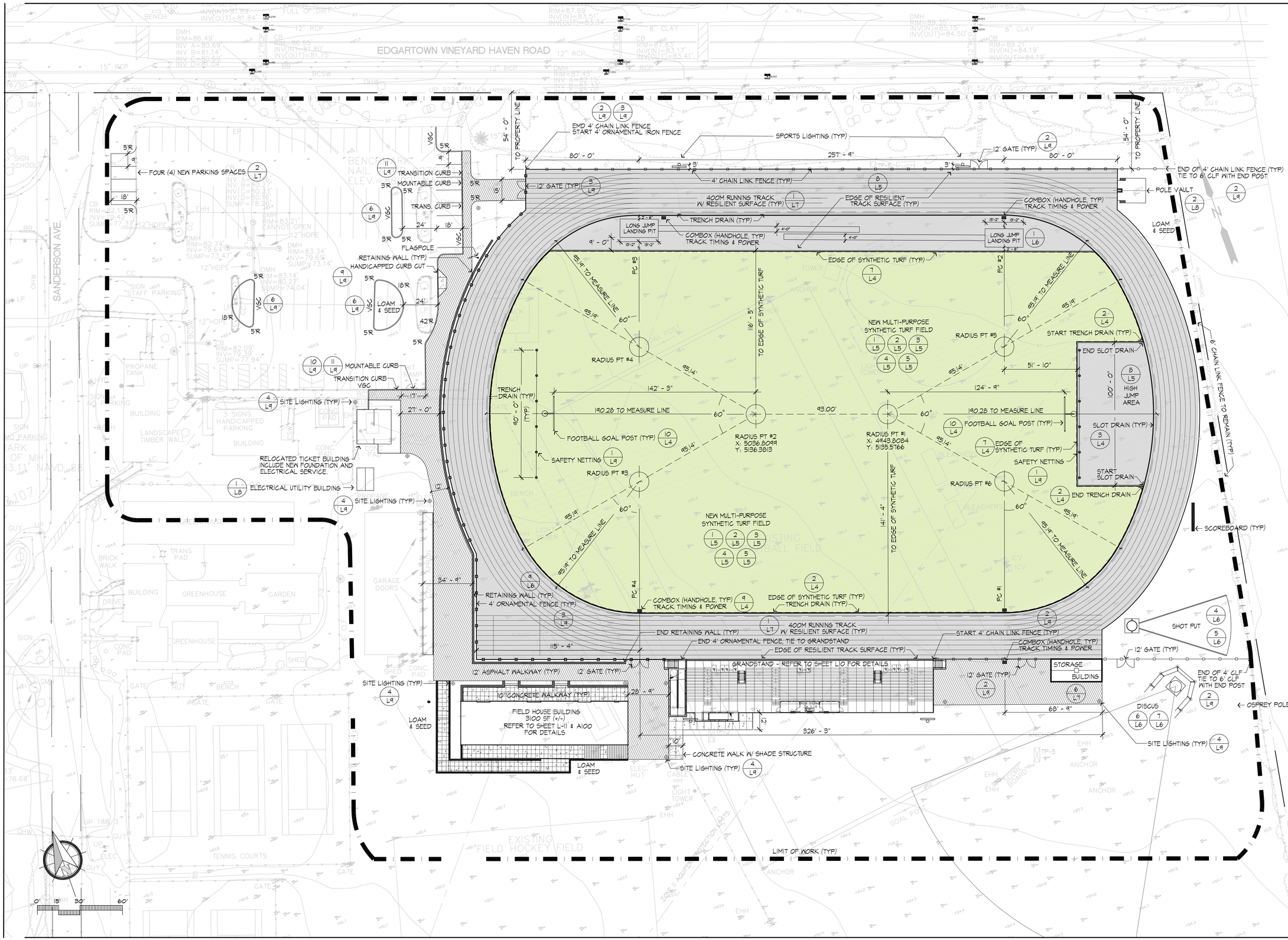
Drawing Title:

Site Preparation Plan

PRELIMINARY DESIGN NOT FOR CONSTRUCTION

Revision	Date
ADDED NOTE 13 & 14	9.16.20

Scale:	1"=30'	Drawing No.
Date:	1.22.20	Sp2
Job:	00-107	
File:	PR-mp	
Drawn:	CCH	of
Checked:	--	2



Huntress Associates, Inc.

Landscape Architecture & Land Planning

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978 470 8882 FAX 978 470 8890

Project:

Martha's Vineyard Regional High School

Oak Bluffs, Massachusetts

Drawing Title:

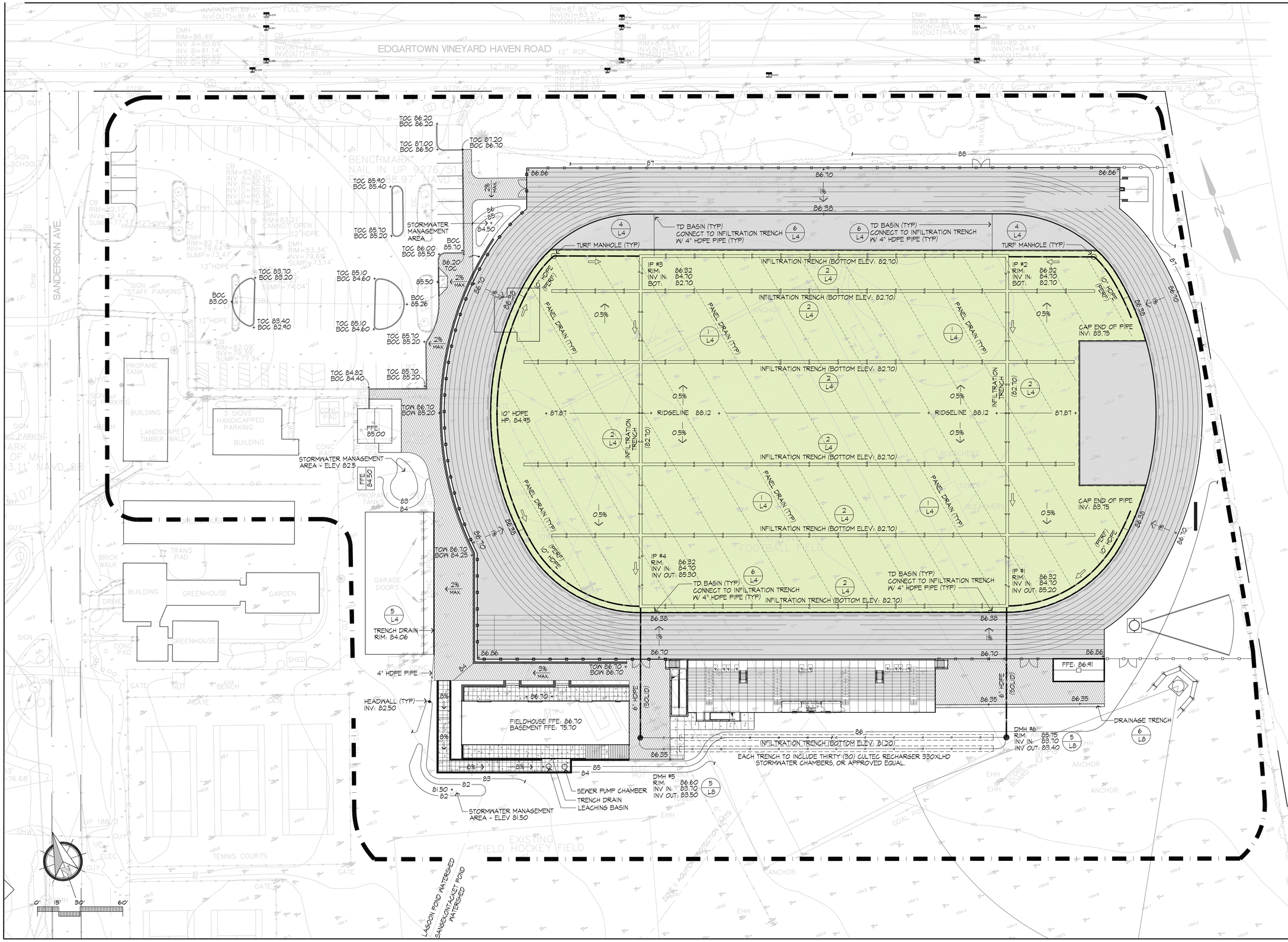
Layout & Materials

PRELIMINARY DESIGN NOT FOR CONSTRUCTION

Revision	Date
FIELDHOUSE FOOTPRINT	4.28.20

Scale:	1"=30'
Date:	1.22.20
Job:	00-107
File:	PR-mp
Drawn:	CCH
Checked:	--

Drawing No. **L-1** of **13**



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:

Grading & Drainage

PRELIMINARY DESIGN NOT FOR CONSTRUCTION

Revision	Date
FIELDHOUSE FOOTPRINT	4.28.20
CUT & FILL BALANCE	4.28.20
REDUCE TREE CUTTING	6.18.20
STORMWATER MNGT AREAS	9.16.20
SW INFILTRATION CHAMBERS	9.23.20

Scale:	1"=30'	Drawing No.
Date:	1.22.20	L-2
Job:	00-107	
File:	PR-mp	
Drawn:	CCH	of
Checked:	--	13

PLANT LIST

SYMBOL	BOTANICAL NAME	COMMON NAME	NATIVE	QTY	SIZE
SHADE TREES					
NS	NYSSA SYLVATICA	BLACK TUPELO	NATIVE	9	2 1/2"-3" CAL.
AS	ACER SACCHARUM	SUGAR MAPLE	NATIVE	9	2 1/2"-3" CAL.
EVERGREEN TREES					
PG	PICEA GLAUCA	WHITE SPRUCE	NATIVE	2	8-10' HT.
JV	JUNIPEROUS VIRGINIANA	EASTERN RED CEDAR	NATIVE	5	6-7' HT.
PR	PINUS RESINOSA	RED PINE	NATIVE	3	6-7' HT.
ORNAMENTAL TREES					
BN	BETULA NIGRA 'HERITAGE'	HERITAGE RIVER BIRCH	NATIVE	2	8-10' HT. CLMP
AC	AMELANCHIER CANADENSIS	SHADBLOW	NATIVE	12	8-10' HT. CLMP
BL	BETULA LENTA	CHERRY BIRCH	NATIVE	7	8-10' HT. CLMP
CC	CERCIS CANADENSIS	EASTERN REDBUD	NATIVE	7	8-10' HT. CLMP
SHRUBS					
PM	PRUNUS MARITIMA	BEACH PLUM	NATIVE	6	2.5-3' HT.
CA	CLETHRA ALNIFOLIA	SWEET PEPPERBUSH	NATIVE	6	#3 POT
CS	CORNUS SERICEA	RED TWIG DOGWOOD	NATIVE	81	#3 POT
IV	ILEX VERTICILLATA	WINTERBERRY	NATIVE	6	#2 POT
IG	ILEX GLABRA	INKBERRY	NATIVE	27	#2 POT
VD	VIBURNUM DENTATUM	ARROWWOOD VIBURNUM	NATIVE	69	#2 POT
GRASSES					
KF	PANICUM VIRGATUM 'SHENANDOAH'	SHENANDOAH SWITCHGRASS	NATIVE	6	#2 POT
MS	MUHLENBERGIA CAPILLARIS	MUHLY GRASS	NATIVE	15	#3 POT
PA	PANICUM VIRGATUM 'HEAVY METAL'	HEAVY METAL SWITCHGRASS	NATIVE	25	#2 POT
EA	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	NATIVE	20	#1 POT
	SCHIZACHYRIUM SCOPARIUM				
PERENNIALS					
SB	ECHINACEA PURPUREA	PURPLE CONE FLOWER	NATIVE	30	#1 POT
RP	RATIBIDA PINNATA	YELLOW CONE FLOWER	NATIVE	24	#1 POT
AC	ACHILEA SPP.	YARROW	NATIVE	40	#1 POT
CR	COREOPSIS ROSEA 'AMERICAN DREAM'	TICKSEED	NATIVE	24	#1 POT
ES	EURYBIA SPECTABALIS	EASTERN SHOWY ASTER	NATIVE	24	#1 POT
CP	COMPTONIA PEREGRINA	SWEET FERN	NATIVE	48	#1 POT
RF	RUDBECKIA FULGIDA	BLACK EYED SUSAN	NATIVE	24	#1 POT
SO	SALVIA OFFICINALIS	SAGE	NATIVE	48	#1 POT

NOTE: LOCATE PERENNIALS AS DIRECTED BY LANDSCAPE ARCHITECT IN THE FIELD.

STORMWATER MANAGEMENT AREA PLANT LIST

STORMWATER MANAGEMENT AREA #1

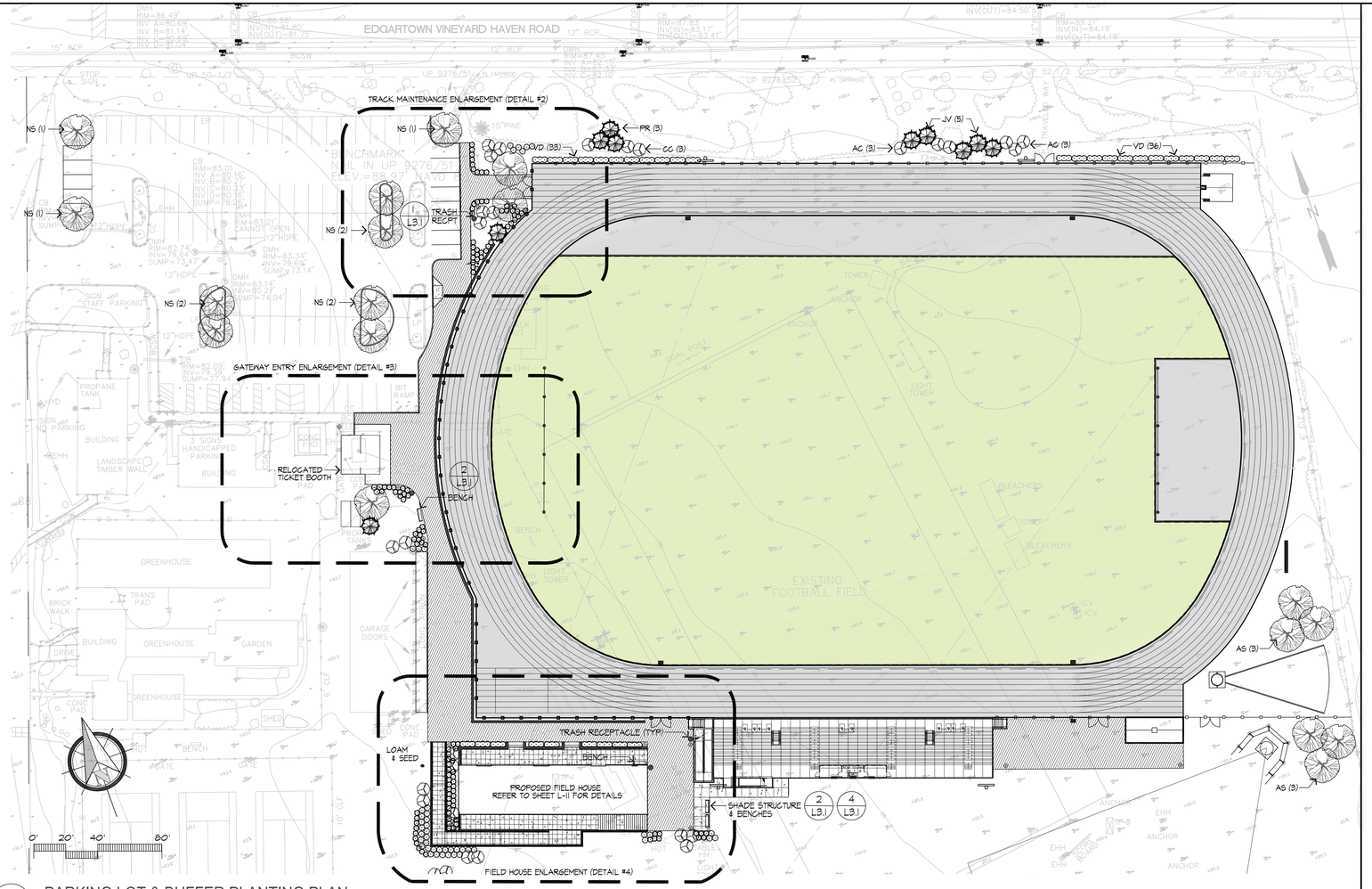
PLANT MATERIAL	SIZE	QUANTITY
(VC) VACCINIUM CORYMBOSUM - HIGHBUSH BLUEBERRY	1 GAL.	6
(AI) ASCLEPIAS INCARNATA - SWAMP MILKWEED	1 GAL.	3
(AST) ASTILBE	1 GAL.	6
(RF) RUDBECKIA FULGILDA - BLACK EYED SUSAN	1 GAL.	6
(CC) CALAMOGROSTIS CANADENSIS - BLUE JOINT	2 GAL.	12
(MS) MISCANTHUS SINENSIS 'SILBERFEDER'	2 GAL.	9

STORMWATER MANAGEMENT AREA #2

PLANT MATERIAL	SIZE	QUANTITY
(IV) ILEX VERTICILLATA - WINTERBERRY	1 GAL.	12
(AST) ASTILBE	1 GAL.	12
(RF) RUDBECKIA FULGILDA - BLACK EYED SUSAN	1 GAL.	12
(EP) ENCHINACEA PALLIDA - PURPLE CONE FLOWER	1 GAL.	8
(LS) LIATRIS SPICATA - SPIKED GAY FEATHER	1 GAL.	12
(CC) CALAMOGROSTIS CANADENSIS - BLUE JOINT	2 GAL.	12

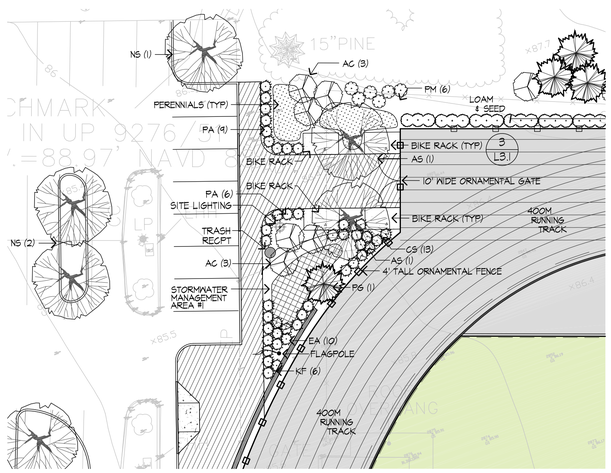
STORMWATER MANAGEMENT AREA #3

PLANT MATERIAL	SIZE	QUANTITY
(VC) VACCINIUM CORYMBOSUM - HIGHBUSH BLUEBERRY	1 GAL.	21
(AI) ASCLEPIAS INCARNATA - SWAMP MILKWEED	1 GAL.	3
(AST) ASTILBE	1 GAL.	6
(RF) RUDBECKIA FULGILDA - BLACK EYED SUSAN	1 GAL.	9
(EP) ENCHINACEA PALLIDA - PURPLE CONE FLOWER	1 GAL.	4
(LS) LIATRIS SPICATA - SPIKED GAY FEATHER	1 GAL.	12
(CC) CALAMOGROSTIS CANADENSIS - BLUE JOINT	2 GAL.	6
(MS) MISCANTHUS SINENSIS 'SILBERFEDER'	2 GAL.	4



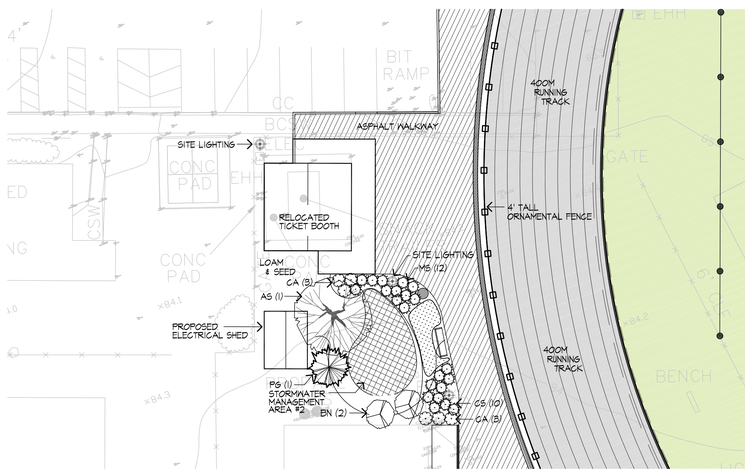
1 PARKING LOT & BUFFER PLANTING PLAN

SCALE: 1" = 40'



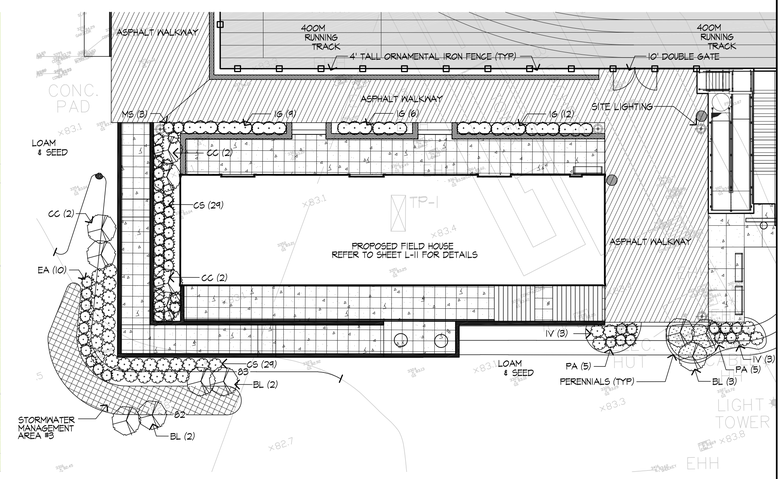
2 TRACK MAINTENANCE ENTRY PLANTING PLAN

SCALE: 1" = 20'



3 GATEWAY ENLARGEMENT PLANTING PLAN

SCALE: 1" = 20'



4 FIELD HOUSE ENLARGEMENT PLANTING PLAN

SCALE: 1" = 20'

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:

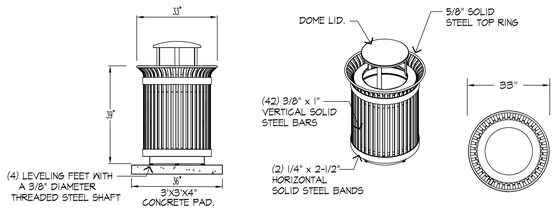
Landscape Plan

PRELIMINARY DESIGN NOT FOR CONSTRUCTION

Revision	Date
NS IN PLACE OF AR	9.16.20
SHIFTED ONE (1) AS, DETAIL#3	9.16.20
SHIFTED THREE (3) AS, DETAIL#1	9.16.20
CHANGED GRASSES	9.16.20
ADDED STORMWATER MGMT AREA	9.16.20

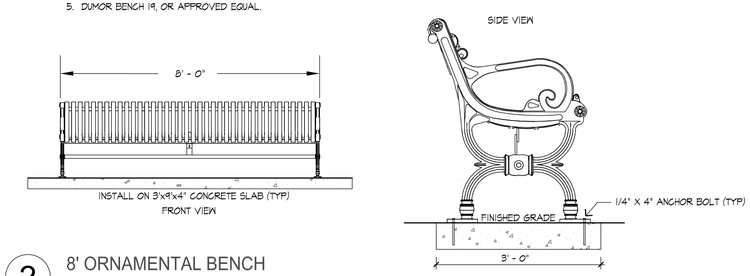
Scale:	AS NOTED	Drawing No.
Date:	4.28.20	L-3
Job:	00-107	
File:	PR-mp	
Drawn:	CCH	of
Checked:	--	13

NOTES:
1. ALL STEEL TO BE PONDERCOAT FINISH, COLOR BLACK.
2. ALL STEEL TO BE HOT DIPPED GALVANIZED PRIOR TO APPLICATION OF PONDERCOAT FINISH.
3. PROVIDE ONE (1) 32 GAL. CAPACITY HIGH DENSITY PLASTIC LINER WITH EACH RECEPTACLE.
4. PROVIDE AND INSTALL FOUR (4) RECEPTACLES, AS SHOWN.
5. INSTALL ON 3'X3'X4" CONCRETE PAD.
6. DUMOR RECEPTACLE 157 WITH BT DOME LID, OR APPROVED EQUAL.

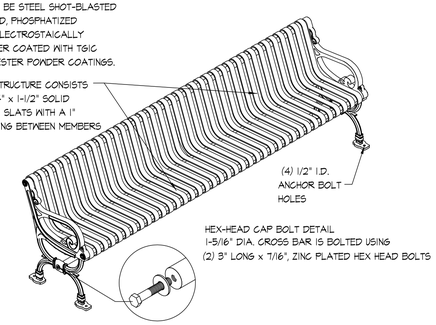


1 TRASH RECEPTACLE - 32 GAL. CAPACITY

NOTES:
1. ALL STEEL TO BE PONDERCOAT FINISH, COLOR BLACK.
2. ALL STEEL TO BE HOT DIPPED GALVANIZED PRIOR TO APPLICATION OF PONDERCOAT FINISH.
3. PROVIDE AND INSTALL FOUR (4) BENCHES, AS SHOWN.
4. INSTALL ON 3'x4'x4" CONCRETE SLAB, AS SHOWN.
5. DUMOR BENCH 19, OR APPROVED EQUAL.

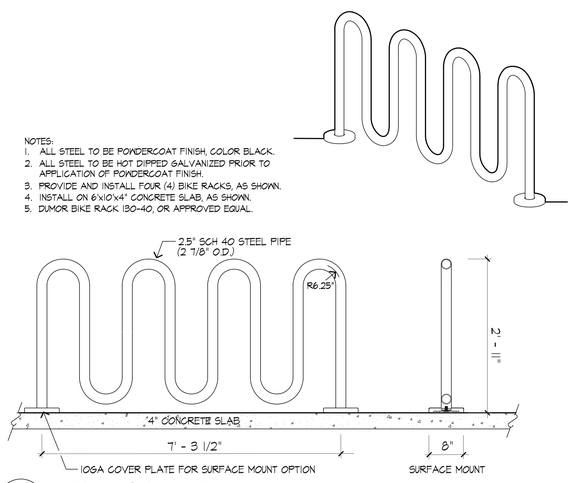


ALL FABRICATED COMPONENTS SHALL BE STEEL SHOT-BLASTED ETCHED, PHOSPHATIZED AND ELECTROSTAICALLY PONDER COATED WITH TGIC POLYESTER PONDER COATINGS.

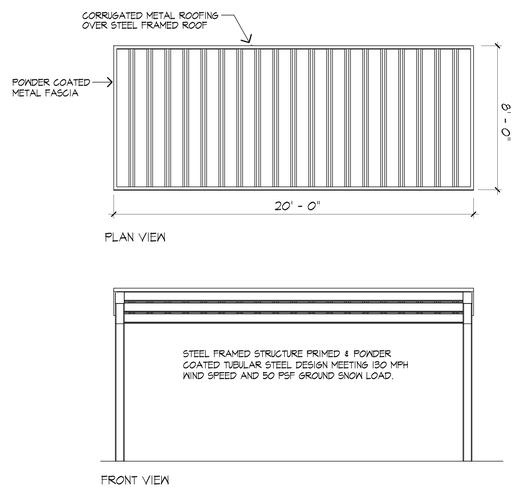


2 8' ORNAMENTAL BENCH

NOTES:
1. ALL STEEL TO BE PONDERCOAT FINISH, COLOR BLACK.
2. ALL STEEL TO BE HOT DIPPED GALVANIZED PRIOR TO APPLICATION OF PONDERCOAT FINISH.
3. PROVIDE AND INSTALL FOUR (4) BIKE RACKS, AS SHOWN.
4. INSTALL ON 6'x10'x4" CONCRETE SLAB, AS SHOWN.
5. DUMOR BIKE RACK 130-40, OR APPROVED EQUAL.

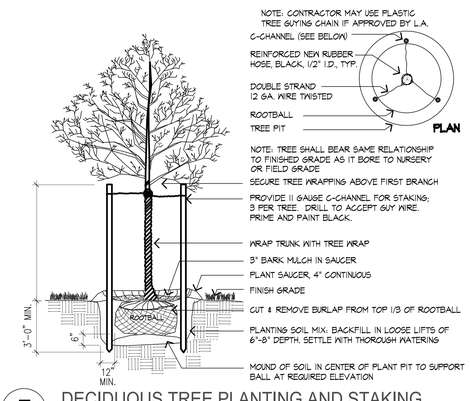


3 BIKE RACK DETAIL



NOTES:
1. ALL STEEL TO BE PONDERCOAT FINISH, COLOR BLACK.
2. ALL STEEL TO BE HOT DIPPED GALVANIZED PRIOR TO APPLICATION OF PONDERCOAT FINISH.
3. PROVIDE AND INSTALL ONE (1) SHADE STRUCTURE, AS SHOWN.
4. INSTALL ON 10'x20'x4" CONCRETE SLAB, AS SHOWN.
5. POLIGON EXTENDED WALKWAY SHADE STRUCTURE (ONE), OR APPROVED EQUAL.

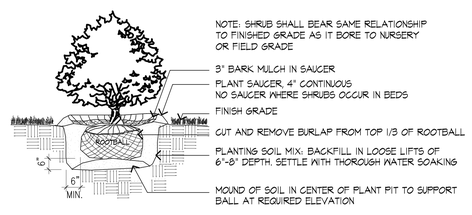
4 SHADE STRUCTURE



5 DECIDUOUS TREE PLANTING AND STAKING

SCALE: N.T.S.

PL-TREDP



6 TYPICAL SHRUB PLANTING

SCALE: N.T.S.

PL-SHR

PLANTING NOTES

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

IRRIGATION NOTES

1. ALL WORK IS TO BE IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL CODES AND ORDINANCES.
2. ALL UNDERGROUND ELECTRICAL CONNECTIONS ARE TO BE MADE WITH DBY WIRE CONNECTORS.
3. ALL AUTO CONTROL VALVES ARE TO BE INSTALLED IN CARSON VALVE BOXES OF APPROPRIATE SIZE.
4. ALL CONTROL WIRING DOWNSTREAM OF THE CONTROLLER IS TO BE 14 AWG, UL APPROVED FOR DIRECT BURY.
5. ALL ROTORS AND SPRAY POP-UPS SHALL BE INSTALLED ON SWING JOINTS.
6. ALL GCV SHALL BE INSTALLED ON 3-ELBOW PVC SWING JOINTS.
7. SYSTEM DESIGN BASED UPON EXISTING CONNECTION TO BUILDING WATER SUPPLY
8. CONTRACTOR TO VERIFY WATER PRESSURE AND AVAILABILITY PRIOR TO INSTALLATION.
9. 120V. TO CONTROLLER AND COPPER STUB, BY IRRIGATION CONTRACTOR
10. 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)
11. 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.
12. IRRIGATION SYSTEM TO BE COMPLETE WITH WATER VALVES, SHUT-OFFS AND BACKFLOW PREVENTORS AS REQUIRED BY CODE.
13. ALL LAWN AREAS TO HAVE SPRAY HEADS AND ALL PLANTED AREAS TO HAVE DRIP IRRIGATION.

Huntress Associates, Inc.

Landscape Architecture & Land Planning

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Project:

Martha's Vineyard Regional High School

Oak Bluffs, Massachusetts

Drawing Title:

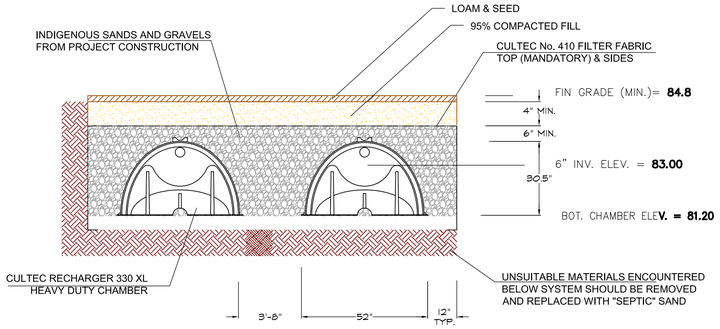
Landscape Details

MASSACHUSETTS REGISTERED LANDSCAPE ARCHITECT NO. 1178

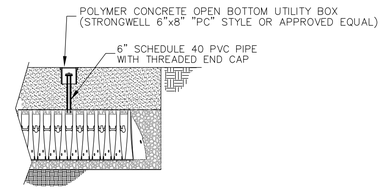
PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

Revision	Date
ADDED PLANTING NOTES	9.16.20

Scale:	1"=40'	Drawing No.
Date:	4.28.20	L3.1
Job:	00-107	
File:	PR-mp	
Drawn:	CGH	of
Checked:	--	13

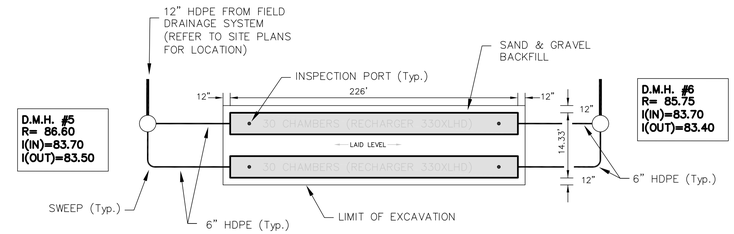


TYP. SECTION



NOTES:
1. PROVIDE 6" (MIN.) BEDDING OF 3/4" CRUSHED STONE FOR UTILITY BOX
2. PROVIDE ONE INSPECTION PORT AT EACH END OF EACH CHAMBER ROW

INSPECTION PORT DETAIL
N.T.S.

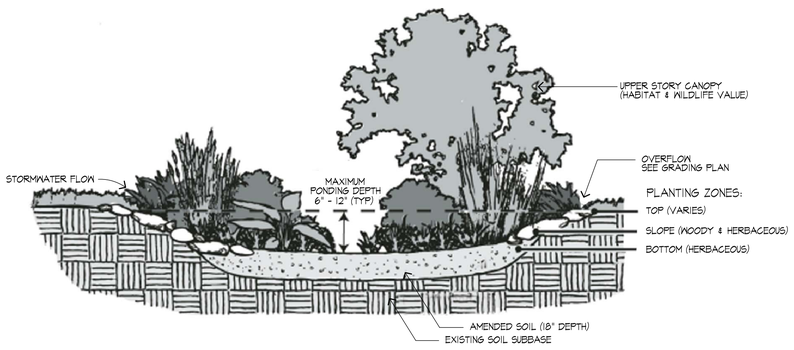


PLAN VIEW
SCHEMATIC
N.T.S.

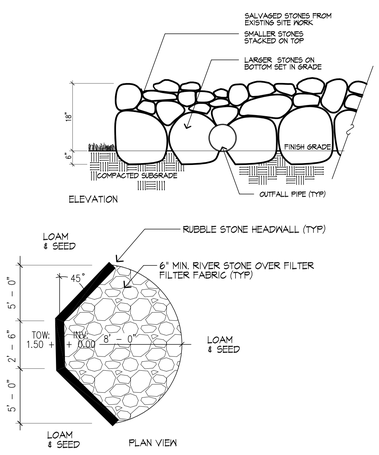
GROUNDWATER RECHARGE SYSTEM
N.T.S.

NOTES:
1. INFILTRATION SYSTEM SHALL BE CONSTRUCTED WITH RECHARGER 330XLHD CHAMBERS MANUFACTURED BY CULTEC, INC., OR APPROVED EQUAL.
2. ENTIRE INFILTRATION SYSTEM SHALL BE INSTALLED LEVEL TO ACHIEVE THE ELEVATIONS SHOWN IN THIS DETAIL.
3. THE SITE CONTRACTOR SHOULD MAKE PROVISIONS TO PREVENT CONTAMINATION OF THE EXPOSED SUBGRADE BY CONSTRUCTION SEDIMENT.
4. THE SITE CONTRACTOR SHOULD NOT ALLOW EXCESSIVE COMPACTION OF THE RECHARGE AREAS BY CONSTRUCTION VEHICLES.
5. DISCHARGE OF WATER FROM CONSTRUCTION DEWATERING ACTIVITIES INTO THIS FACILITY IS PROHIBITED.
6. DISCHARGE OF STORMWATER INTO THIS FACILITY IS PROHIBITED UNTIL THE CONTRIBUTING AREAS ARE STABILIZED, UNLESS SPECIFIC MEASURES ARE PROVIDED FOR PROTECTING AND RESTORING THE INFILTRATION SURFACE.
7. THE CONTRACTOR SHOULD REFERENCE SHOP DRAWINGS DETAILING THE CONNECTIONS AND FITTINGS OF THE COMPONENTS OF THE SYSTEM.

1 GROUNDWATER RECHARGE SYSTEM DETAILS
SCALE: N.T.S.



2 STORMWATER MANAGEMENT AREA - TYPICAL PLANTING CROSS-SECTION
SCALE: N.T.S.



3 4" PERF PIPE HEADWALL & DISSAPATOR

Huntress Associates, Inc.
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Project:
Martha's Vineyard Regional High School

Oak Bluffs, Massachusetts

Drawing Title:
Stormwater Details

MASSACHUSETTS REGISTERED LANDSCAPE ARCHITECT NO. 1178

PRELIMINARY DESIGN NOT FOR CONSTRUCTION

Revision	Date

Scale:	1"=40'	Drawing No.
Date:	9.16.20	L3.2
Job:	00-107	
File:	PR-mp	
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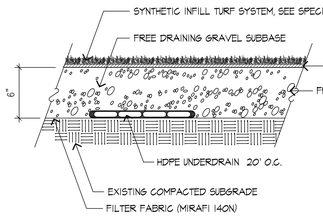
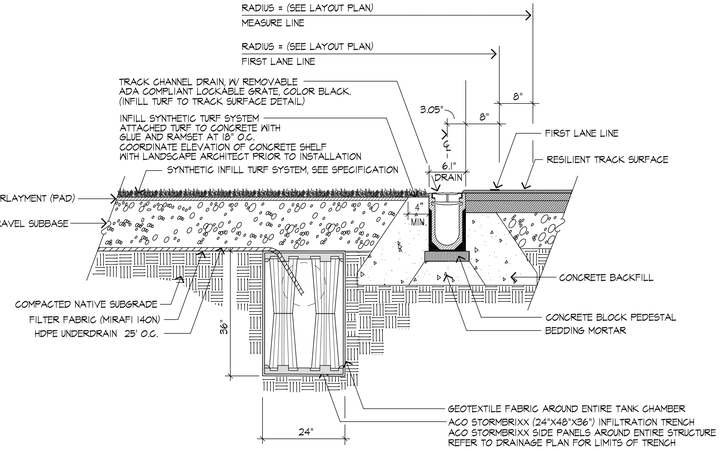
Checked:	--	13



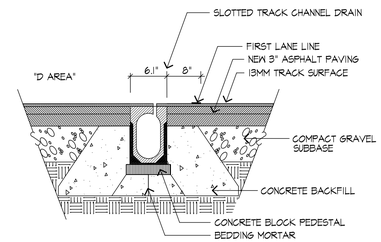
1 TYPICAL INFILLED SYNTHETIC TURF SYSTEM

SCALE: 1"=1'-0"



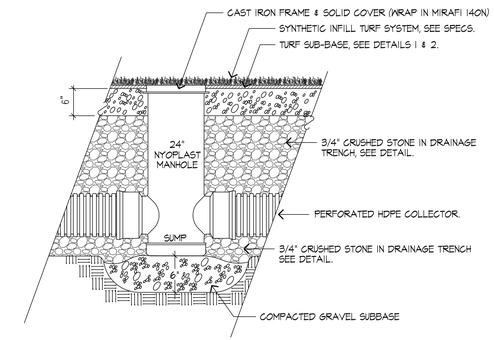
2 TYPICAL INSIDE EDGE OF TRACK - SECTION

SCALE: 1"=1'-0"



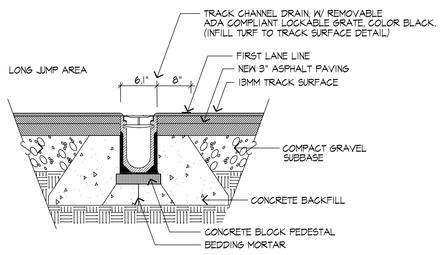
3 SLOTTED TRACK CHANNEL DRAIN

SCALE: 1"=1'-0"



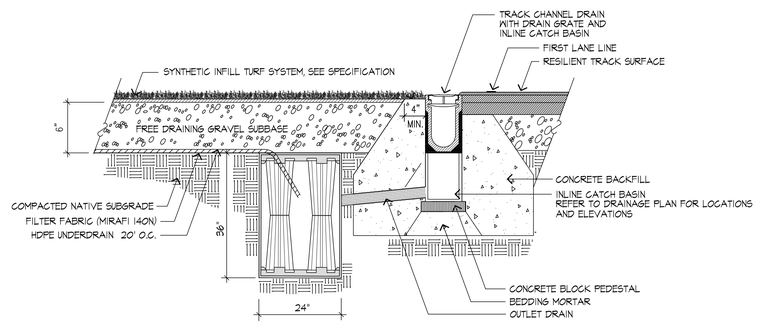
4 NYOPLAST TURF MANHOLE

SCALE: N.T.S.



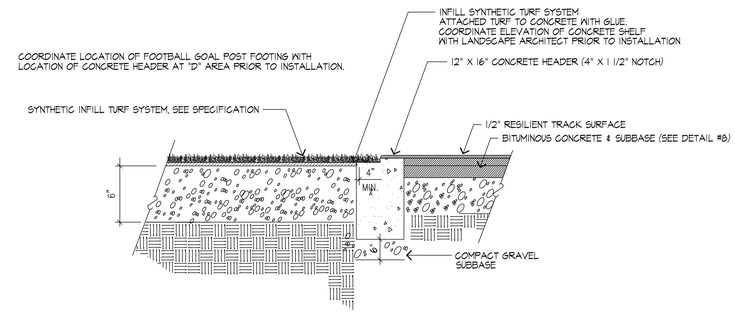
5 TRENCH DRAIN ON NORTH STRAIGHT-AWAY

SCALE: 1"=1'-0"



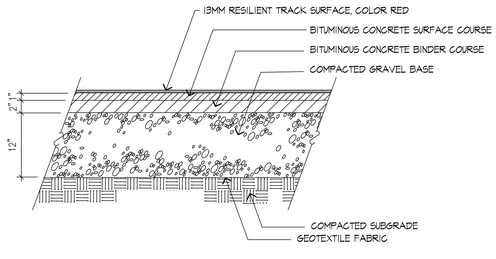
6 INLINE CATCH BASIN SECTION

SCALE: 1"=1'-0"



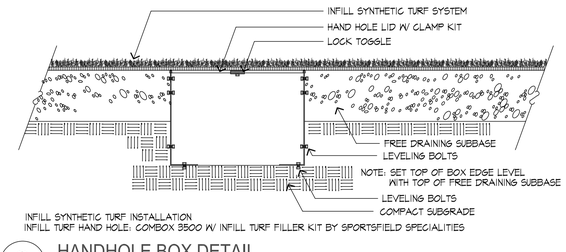
7 TYPICAL INSIDE EDGE OF TRACK - SECTION

SCALE: 1"=1'-0"



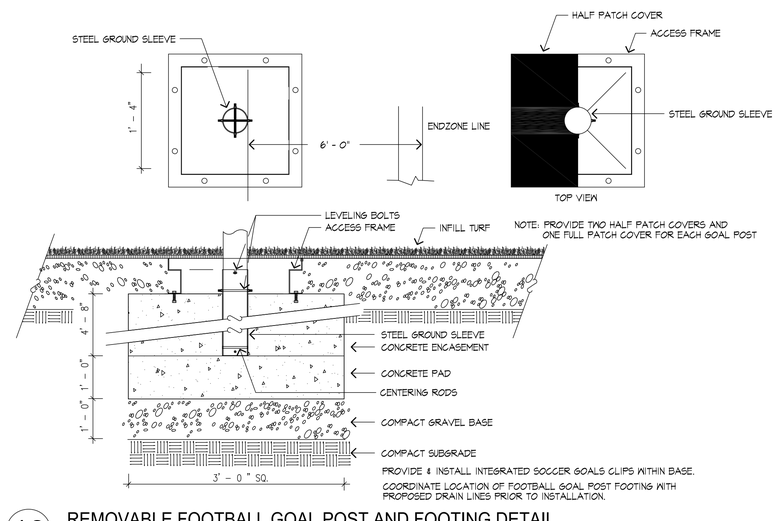
8 RESILIENT TRACK SURFACE

SCALE: N.T.S.



9 HANDHOLE BOX DETAIL

SCALE: NTS



10 REMOVABLE FOOTBALL GOAL POST AND FOOTING DETAIL

SCALE: NTS

Huntress Associates, Inc.

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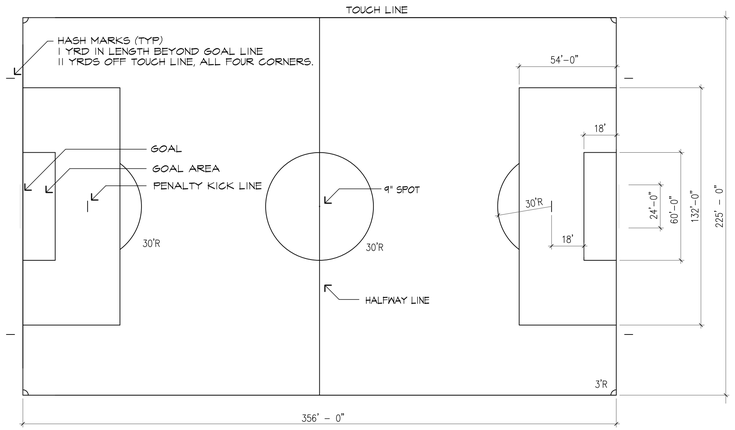
Drawing Title:

Construction Details

PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

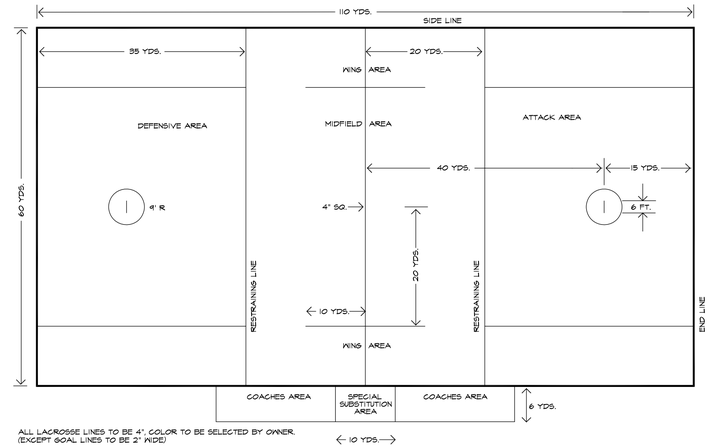
Revision	Date

Scale:	as noted	Drawing No.
Date:	1.22.20	**L-4**
Job:	00-107	
File:	PR-mp	of
Drawn:	CCH	**13**
Checked:	--	



1 SOCCER FIELD LAYOUT

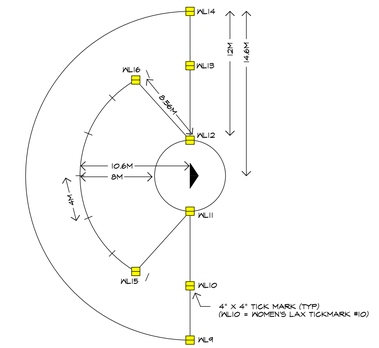
ALL MARKINGS AND LINES TO BE INLAID, COLOR TO BE SELECTED BY OWNER.
SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.



ALL LACROSSE LINES TO BE 4", COLOR TO BE SELECTED BY OWNER.
(EXCEPT GOAL LINES TO BE 2" WIDE)

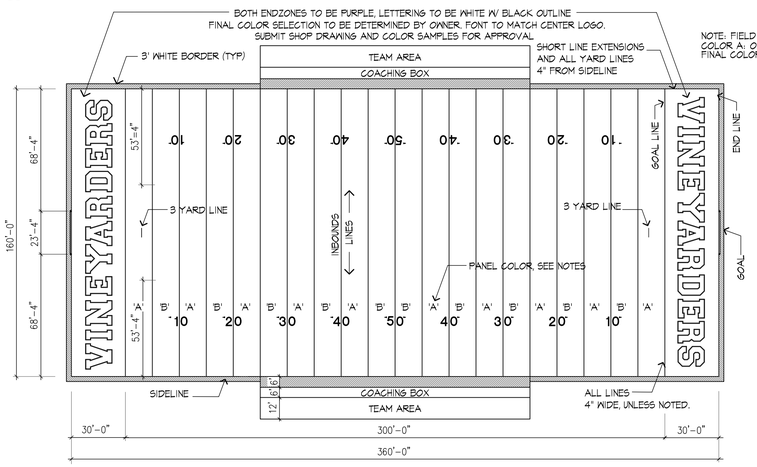
2 MEN'S LACROSSE FIELD LAYOUT

FIELD TO CONFORM TO NFHS BOY'S LACROSSE RULES, LATEST EDITION.
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

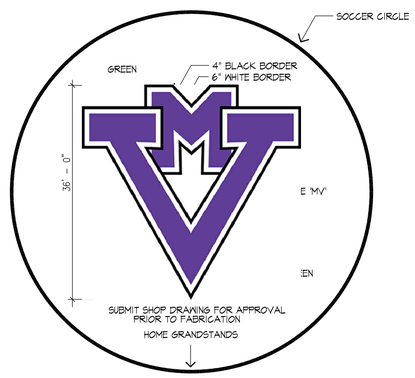
PROVIDE PAINTED WOMEN'S LACROSSE ARC AND GOAL CREASE AS SHOWN.
COORDINATE LOCATION PRIOR TO INSTALLATION, COLOR TO BE SELECTED BY OWNER.
PROVIDE INLAID TICK MARKS AS INDICATED.
SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.



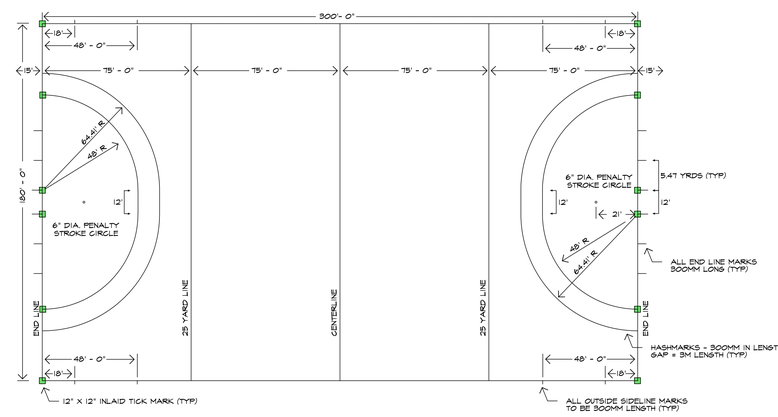
3 FOOTBALL FIELD LAYOUT

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

NOTE: FIELD COLOR TO HAVE ALTERNATING SHADES OF GREEN
COLOR A: OLIVE GREEN - COLOR B: FIELD GREEN, SEE NOTES BELOW.
FINAL COLORS TO BE APPROVED BY OWNER. PROVIDE SHOP DRAWING FOR APPROVAL.



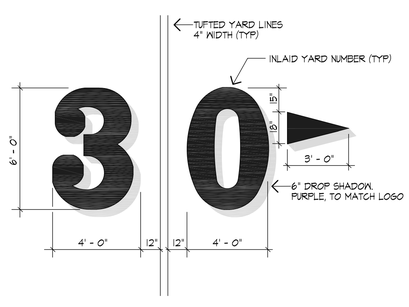
CENTER FIELD LOGO



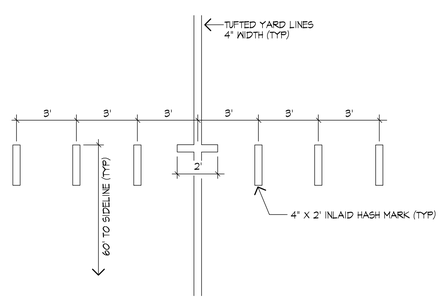
FIELD TO CONFORM TO NFHS GIRL'S FIELD HOCKEY RULES, LATEST EDITION.
ALL MARKINGS AND LINES TO BE INLAID, COLOR TO BE SELECTED BY OWNER.

4 FIELD HOCKEY LAYOUT

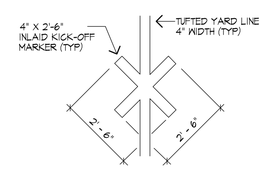
SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION.



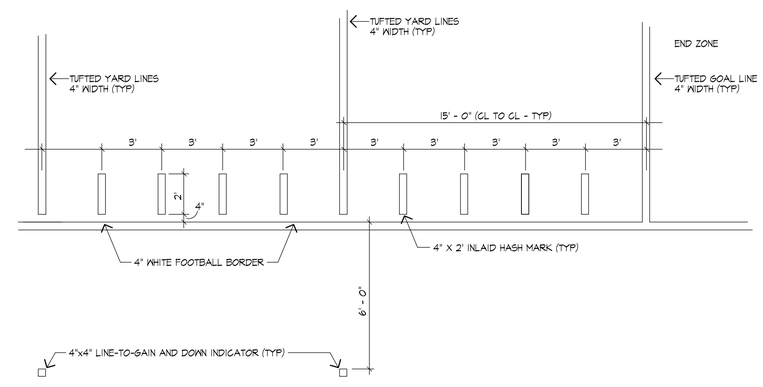
TYPICAL NUMBER DETAIL



INBOUND LINE DETAIL



KICK-OFF DETAIL



YARD LINE DETAIL

5 FOOTBALL FIELD - INLAID MARKING DETAIL

SCALE: N.T.S.

Huntress Associates, Inc.
Landscape Architecture & Land Planning
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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:

Construction Details

PRELIMINARY DESIGN NOT FOR CONSTRUCTION

Revision	Date

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Date:	1.22.20	L-5
Job:	00-107	
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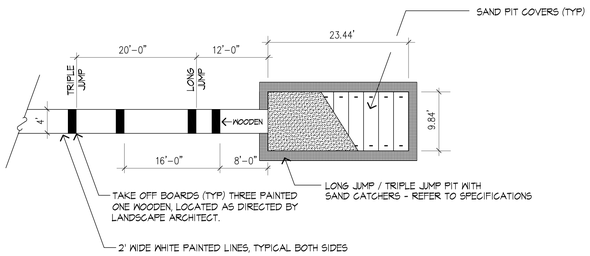
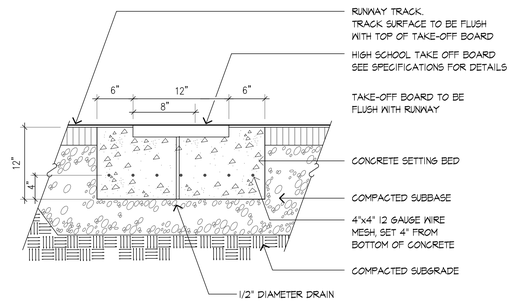
Drawn:	CCH	of
Checked:	--	13



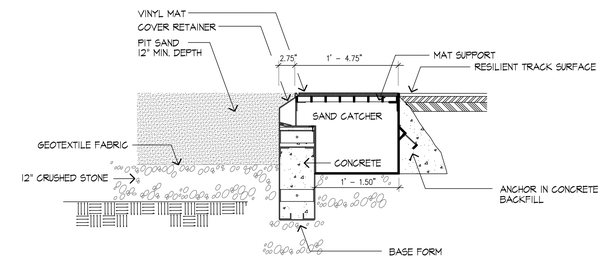
1 PLAN - JUMP PIT

SCALE: N.T.S.



2 TAKE-OFF BOARD

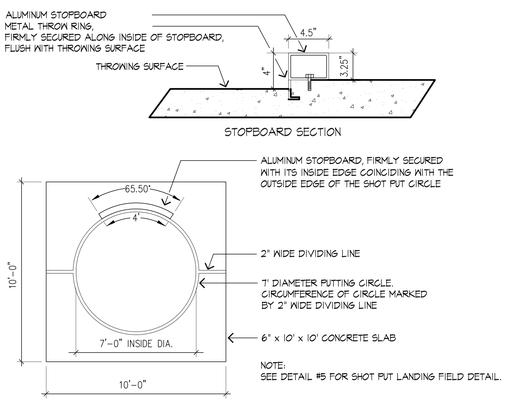
SCALE: N.T.S.



SEE SPECIFICATIONS, INSTALL AS DIRECTED BY BY MANUFACTURER

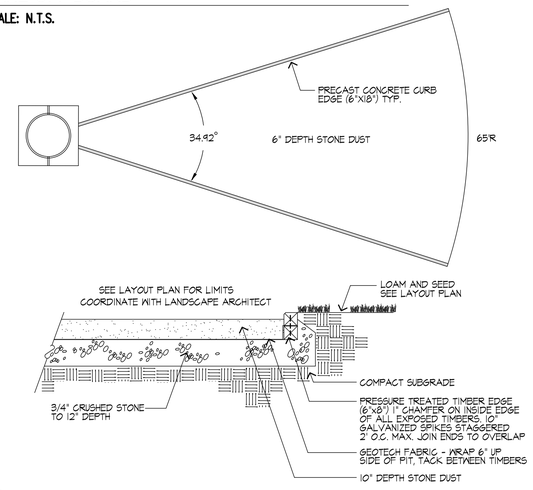
3 SAND PIT WITH SAND CATCHERS - SECTION

SCALE: N.T.S.



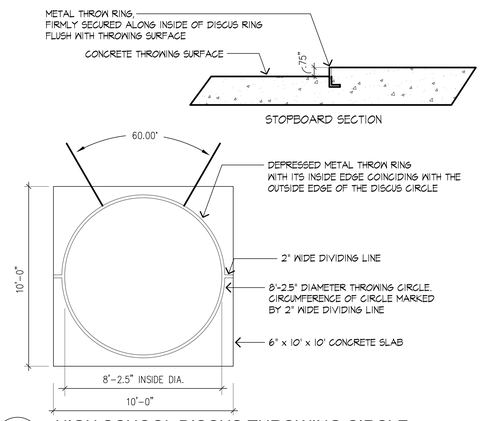
4 SHOT PUT CIRCLE

SCALE: 1/4" = 1'-0"



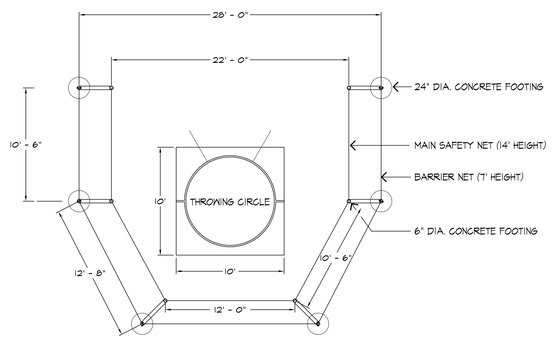
5 SHOT PUT LANDING FIELD

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



6 HIGH SCHOOL DISCUS THROWING CIRCLE

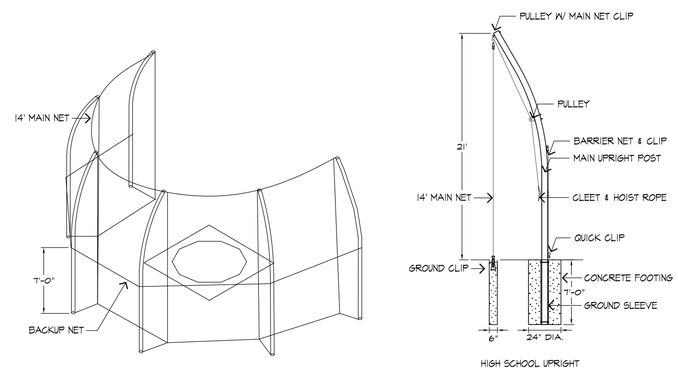
SCALE: 1/4" = 1'-0"



NOTE: INSTALL DISCUS CAGE AS PER MANUFACTURER'S INSTRUCTIONS. COORDINATE WITH LANDSCAPE ARCHITECT IN THE FIELD.

7 HIGH SCHOOL DISCUS THROWING CAGE LAYOUT

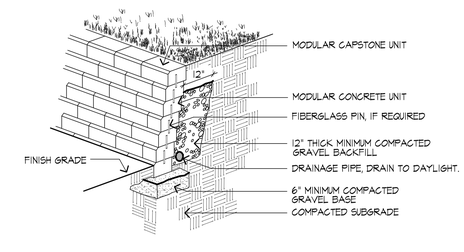
SCALE:



8 HIGH SCHOOL DISCUS THROWING CAGE DETAIL

SCALE:

NOTE:
CONCRETE BLOCK AS MANUFACTURED BY VERSA-LOK (603) 883-3042, OR EQUAL. BLOCK TO BE MOSAIC, WEATHERED, OWNER TO SELECT COLOR.



9 "MODULAR BLOCK" RETAINING WALL

SCALE: N.T.S.

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Project:

Martha's Vineyard Regional High School

Oak Bluffs, Massachusetts

Drawing Title:

Construction Details

MASSACHUSETTS REGISTERED LANDSCAPE ARCHITECT NO. 1178

PRELIMINARY DESIGN NOT FOR CONSTRUCTION

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Date:	1.22.20	L-6
Job:	00-107	
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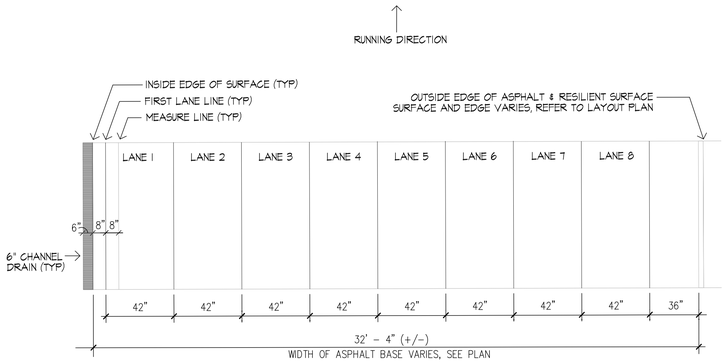
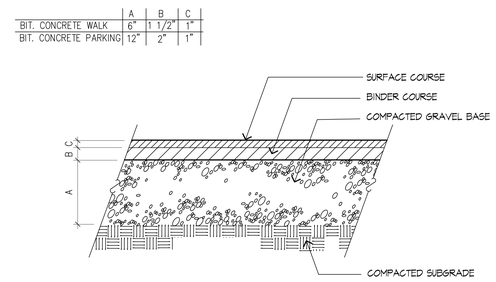
Drawn:	CCH	of
Checked:	--	13



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

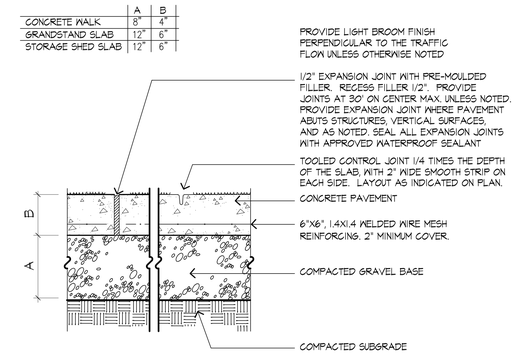


	A	B	C
BIT. CONCRETE WALK	6"	1 1/2"	1"
BIT. CONCRETE PARKING	12"	2"	1"

2 BITUMINOUS CONCRETE PAVEMENT

SCALE: N.T.S.

PA-BTC

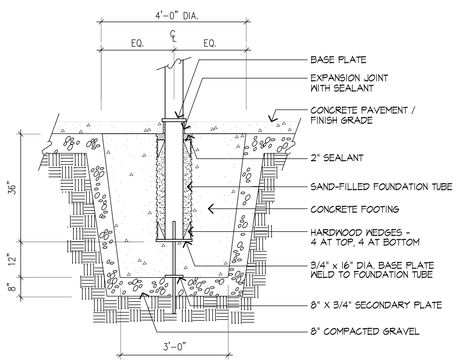


	A	B
CONCRETE WALK	8"	4"
GRANDSTAND SLAB	12"	6"
STORAGE SHED SLAB	12"	6"

3 CONCRETE PAVEMENT

SCALE: N.T.S.

PA-CONC

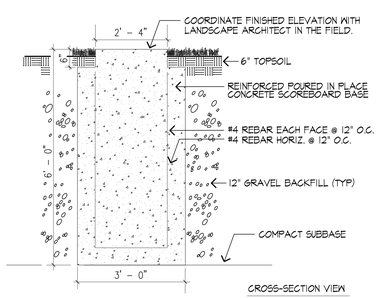


4 FLAGPOLE FOOTING

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

SI-FLAGF
94113

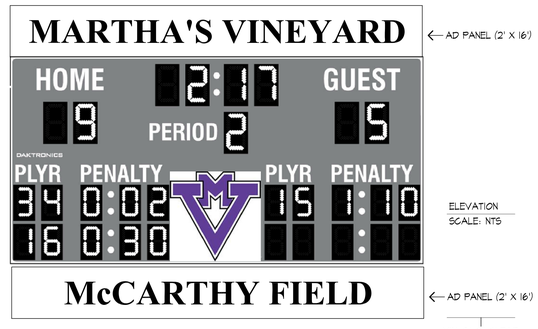
PROVIDE & INSTALL ONE (1) SCOREBOARD



CROSS-SECTION VIEW

SCALE: 1" = 2'

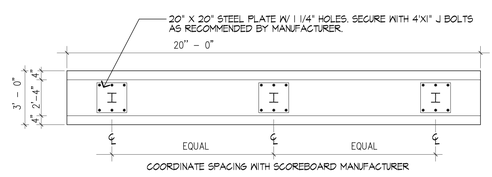
SCOREBOARD SIZE: 8' HEIGHT, 16' WIDTH (TYP)



ELEVATION

SCALE: NTS

MIN. 8'-0" CLEAR TO FINISH GRADE

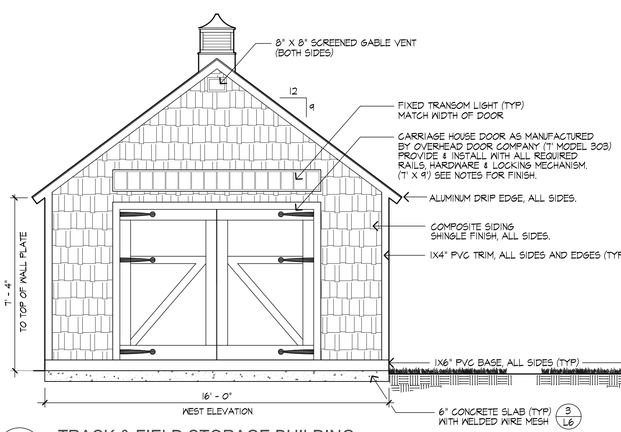


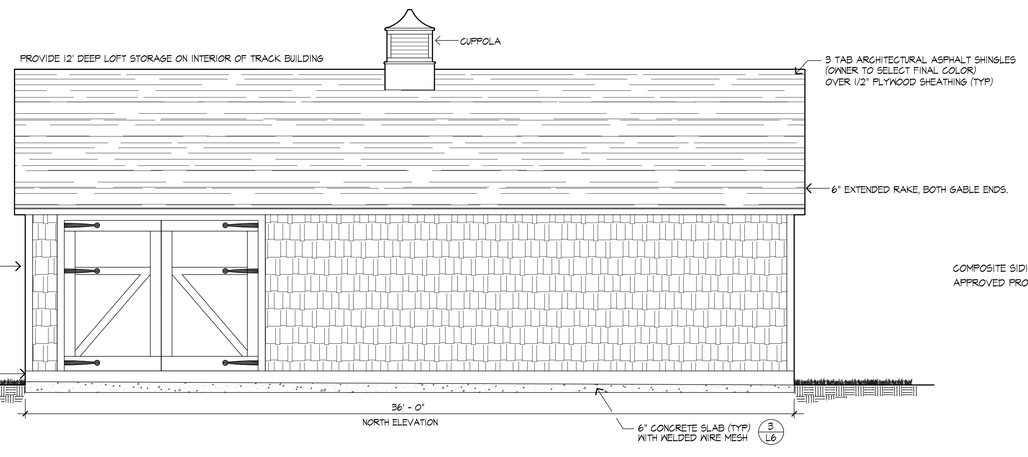
PLAN VIEW

SCALE: 1" = 4'

COORDINATE SPACING WITH SCOREBOARD MANUFACTURER

5 SCOREBOARD ELEVATION & FOOTING DETAIL





STORAGE BUILDING NOTES:

1. GC RESPONSIBLE FOR ANY REQUIRED BUILDING PERMIT.
2. CONCRETE SLAB TO SERVE AS FLOOR
3. 2"X4" WALL CONSTRUCTION 16" O.C., DOUBLE TOP PLATE
4. 2X6" ROOF RAFTERS 16" O.C.
5. ALL INTERIOR WALLS TO RECIEVE 5/8" PLYWOOD
6. EXTERIOR COLORS:
   - SHINGLE - IRON GRAY
   - TRIM - WHITE
   - GARAGE DOORS - WHITE
7. ALL EXTERIOR PAINTED SURFACES TO RECEIVE PRIMER AND TWO (2) COATS OF PAINT, AS RECOMMENDED BY MANUFACTURER.
8. COORDINATE SIZE OF CUPOLAS PRIOR TO FABRICATION.

COMPOSITE SIDING NOTES:

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

6 TRACK & FIELD STORAGE BUILDING

SCALE: NTS 16' X 36' LEXINGTON SHED AS MANUFACTURED BY POST WOODWORKERS, OR APPROVED EQUAL. (866) 794-7433 - SUBMIT SHOP DRAWING FOR APPROVAL PRIOR TO INSTALLATION.

Huntress Associates, Inc.

Landscape Architecture & Land Planning

17 Tewksbury Street
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978 470 8882 FAX 978 470 8890

Project:

Martha's Vineyard Regional High School

Oak Bluffs, Massachusetts

Drawing Title:

Construction Details

MASSACHUSETTS NO. 1178 REGISTERED LANDSCAPE ARCHITECT

PRELIMINARY DESIGN NOT FOR CONSTRUCTION

Revision	Date

Scale:	as noted	Drawing No.
Date:	1.22.20	L-7
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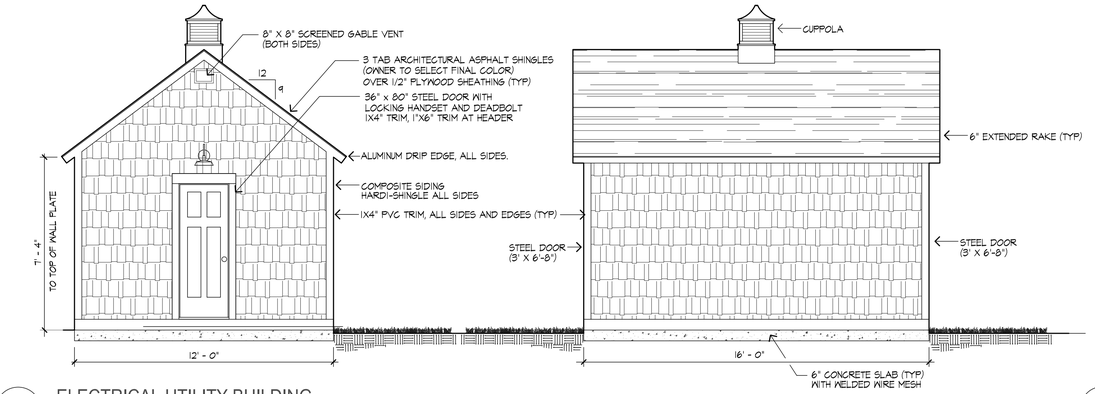
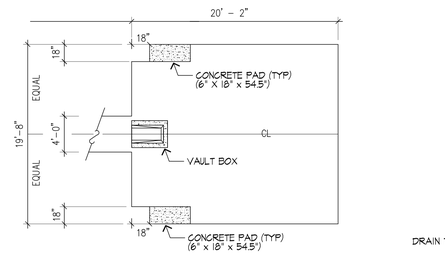
File:	PR-mp	
Drawn:	CCH	of
Checked:	--	13



1 ELECTRICAL UTILITY BUILDING

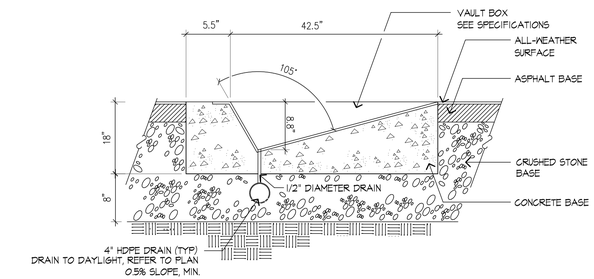
SCALE: NTS 12' X 16' LEXINGTON SHED AS MANUFACTURED BY POST WOODWORKERS, OR APPROVED EQUAL. (866) 794-7433 - SUBMIT SHOP DRAWING FOR APPROVAL PRIOR TO INSTALLATION.



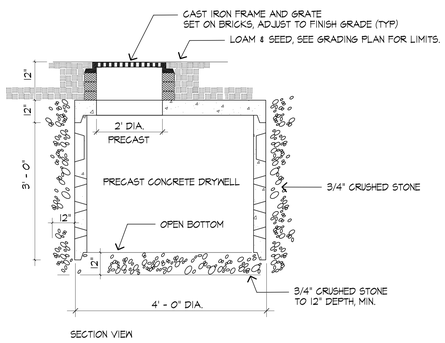
NOTE: TOP OF VAULT BOX AND TOP OF BOTH CONCRETE PADS TO BE SET AT A CONSTANT ELEVATION. COORDINATE WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION

2 POLE VAULT LANDING AREA

SCALE: NTS

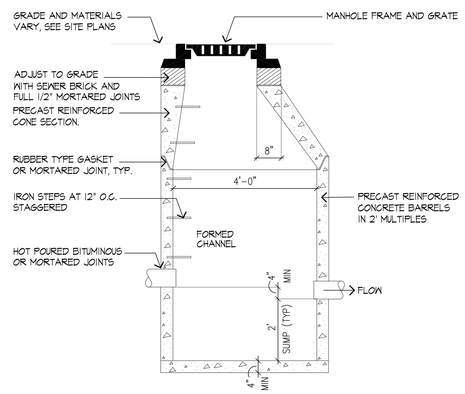


3 VAULT BOX SECTION

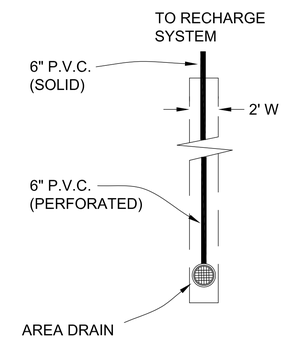


4 LEACHING BASIN

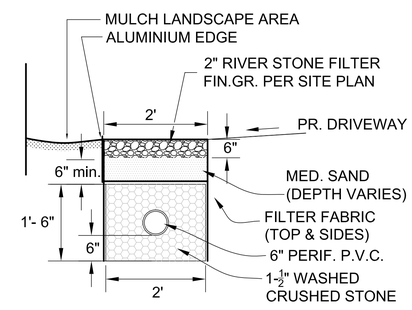
SCALE: NTS



5 MANHOLE



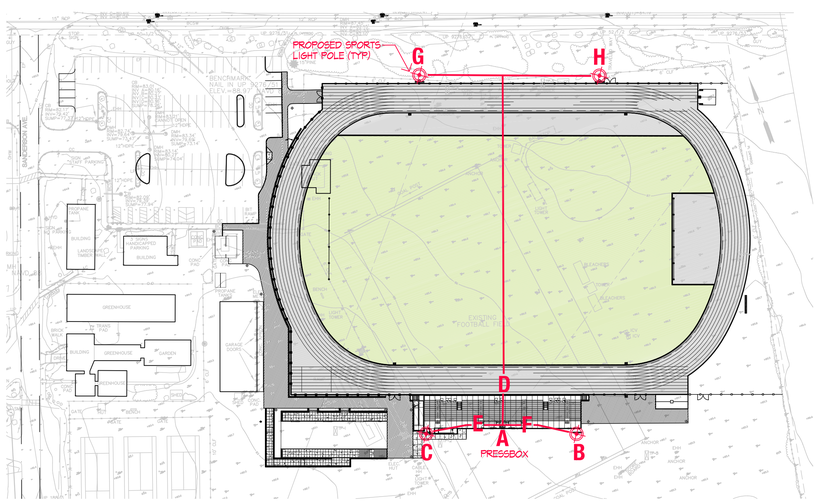
DRAINAGE TRENCH



TYPICAL SECTION

6 DRAINAGE TRENCH & SECTION

SCALE: NTS



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 QUAZITE 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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Project:

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Oak Bluffs, Massachusetts

Drawing Title:

Construction Details

MASSACHUSETTS REGISTERED LANDSCAPE ARCHITECT NO. 1128

PRELIMINARY DESIGN NOT FOR CONSTRUCTION

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Scale:	as noted
Date:	1.22.20
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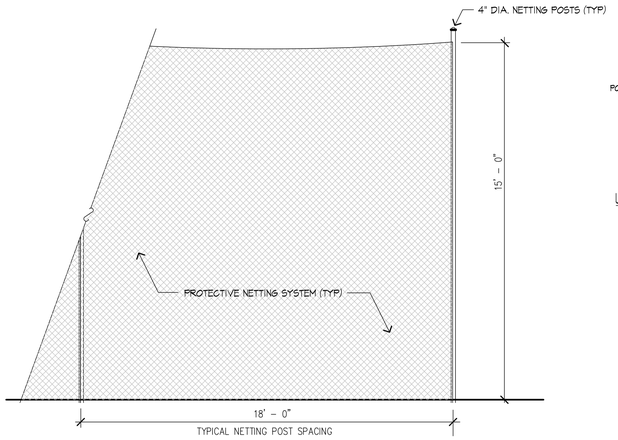
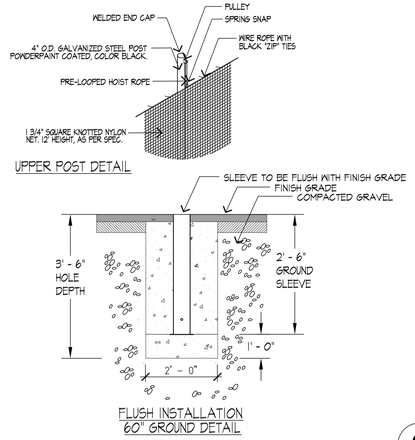
Drawn:	CCH
Checked:	--

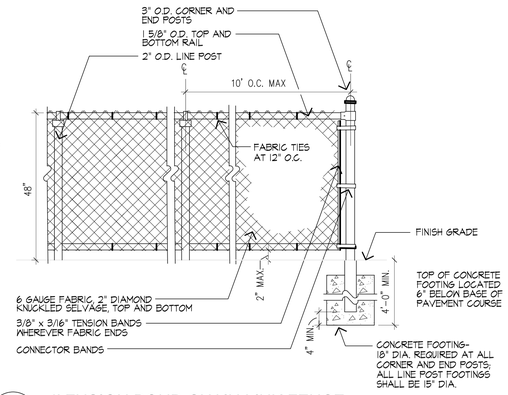
Drawing No. **L-8** of 13



1 PROTECTIVE NETTING - CONCEPTUAL ELEVATION

SCALE: N.T.S.

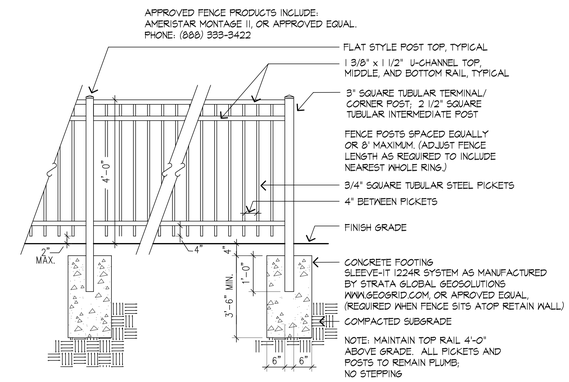




2 4' FUSION BOND CHAIN LINK FENCE

SCALE: N.T.S.

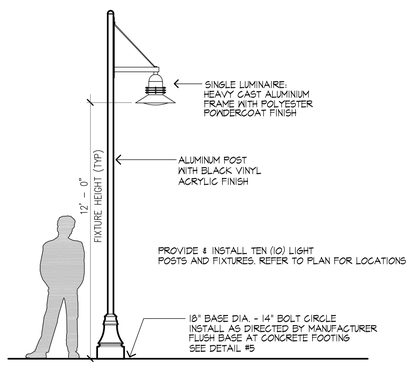
FE-4PVC
94026



3 4' HIGH METAL PICKET FENCE

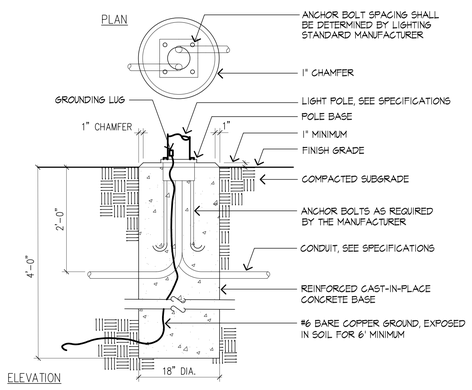
SCALE: 1/2" = 1'-0"

FE-4M1
94089



4 POST LIGHT FIXTURE

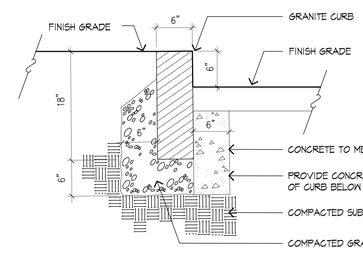
SCALE: NTS



5 PRECAST LIGHT POLE BASE - 'A'

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

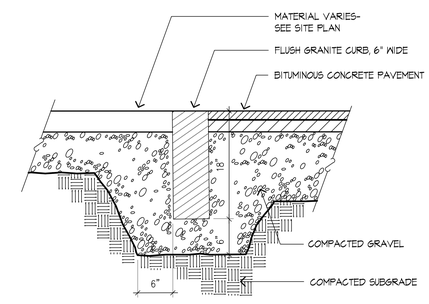
LTG-CIP
94018



6 VERTICAL GRANITE CURB

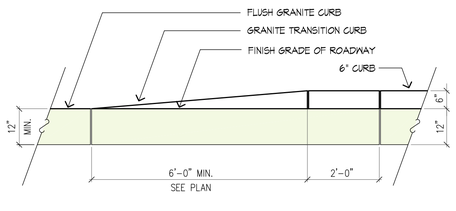
SCALE: 1" = 1'-0"

C-GRANIT



7 FLUSH GRANITE CURB

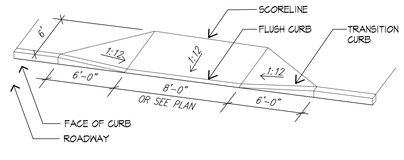
SCALE: 1" = 1'-0"



8 TRANSITION CURB

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

NOTE: PROVIDE HEAVY BROOM FINISH ON RAMP AND SIDE SLOPES PERPENDICULAR TO FLOW OF TRAFFIC



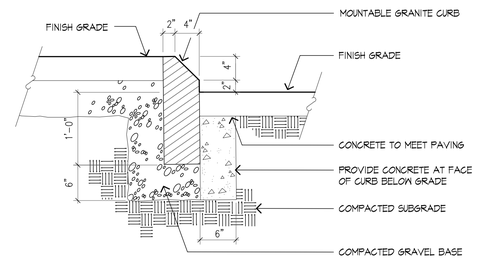
NOTES:

1. DIMENSIONS SHOWN AT EDGE OF ROAD ARE FIXED.
2. RAMP CROSS SECTION TO BE THE SAME AS ADJACENT SIDEWALK; I.E. DEPTH OF SURFACE AND FOUNDATION.
3. DIMENSIONS ARE SUBJECT TO CHANGE IN FIELD. ALL SLOPES AND DIMENSIONS TO COMPLY WITH A.D.A. REQUIREMENTS.
4. PROVIDE ONE 2' x 8' TACTILE WARNING STRIP AT FLUSH CURB. COLOR TO BE BLACK.

9 CURB CUT AND RAMP

SCALE: N.T.S.

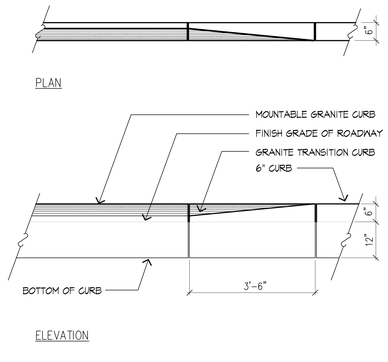
C-CCUT2
JOB # IF ANY



10 MOUNTABLE GRANITE CURB

SCALE: 1" = 1'-0"

C-MOUNT



11 TRANSITION CURB AT MOUNTABLE GRANITE CURB

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

C-TRANZ

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:

Construction Details

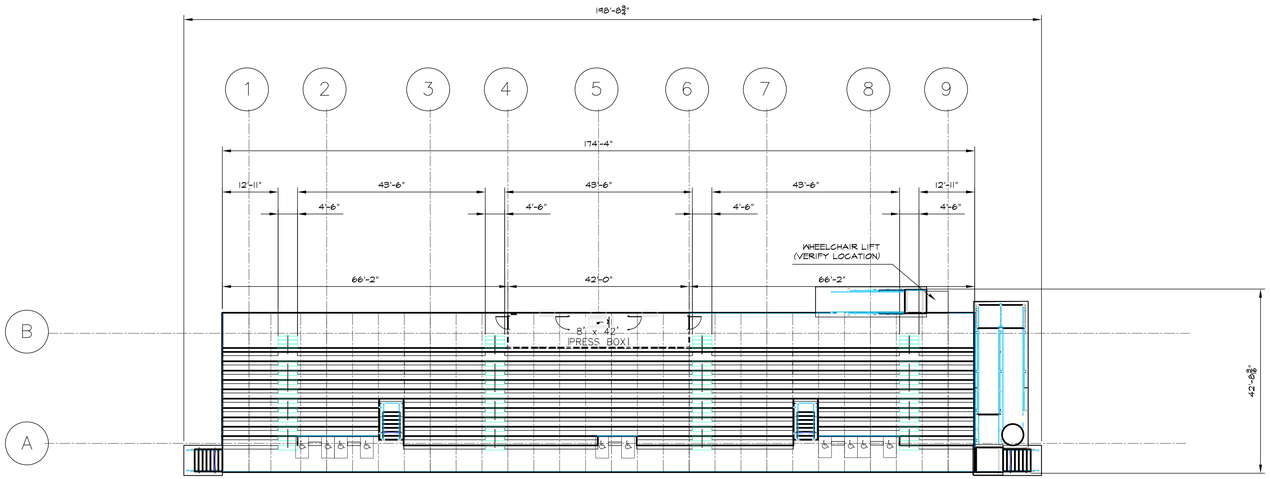
MASSACHUSETTS REGISTERED LANDSCAPE ARCHITECT NO. 1178

PRELIMINARY DESIGN NOT FOR CONSTRUCTION

Revision	Date

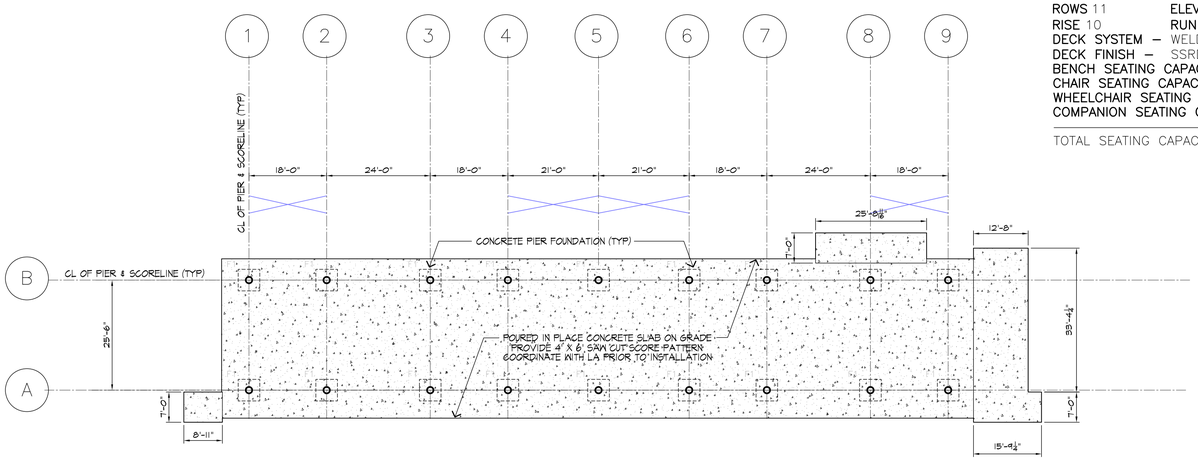
Scale:	as noted	Drawing No.
Date:	1.22.20	L-9
Job:	00-107	
File:	PR-mp	
Drawn:	CCH	of
Checked:	--	13

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.

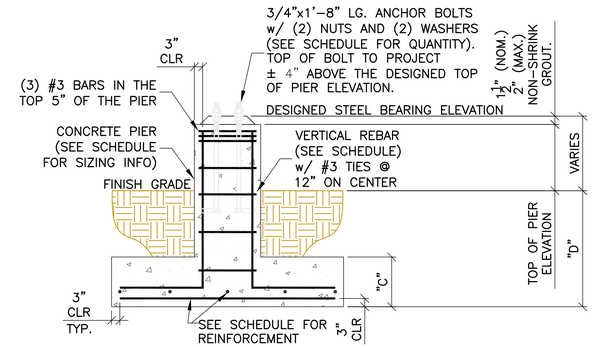


SEATING PLAN

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

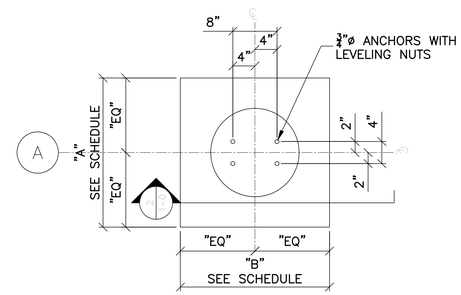


ROWS 11	ELEVATION 49"
RISE 10	RUN 26
DECK SYSTEM – WELDED	
DECK FINISH – SSRD	
BENCH SEATING CAPACITY	1000
CHAIR SEATING CAPACITY	0
WHEELCHAIR SEATING CAPACITY	10
COMPANION SEATING CAPACITY	10
TOTAL SEATING CAPACITY	1020



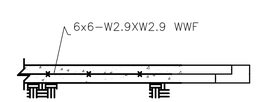
1 SECTION THROUGH PIER FOUNDATION (TYP)

SCALE: NTS



2 ANCHOR BOLT LAYOUT

SCALE: NTS



3 CONCRETE SLAB SECTION

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.

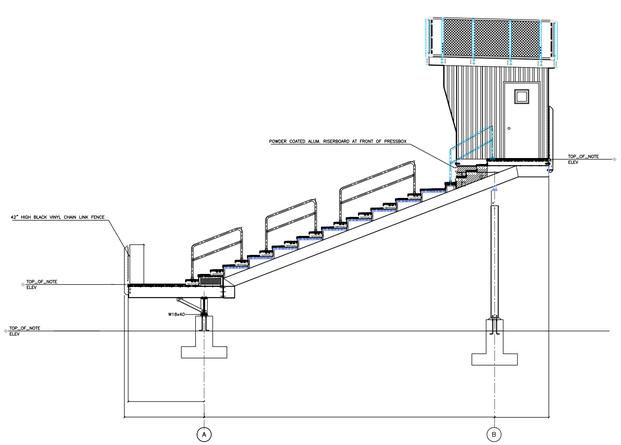
   THE TOP OF CONCRETE MAY BE RAISED TO MATCH THE STEEL BEARING ELEVATION AT THE INSTALLER'S DISCRETION. INSTALLER IS THEN RESPONSIBLE FOR ANY ADJUSTMENTS.

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".

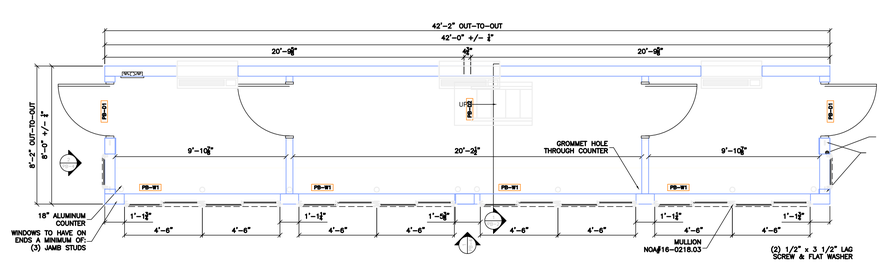
4. ALL UNDERGROUND UTILITIES ARE TO BE LOCATED AND MARKED DURING REVIEW PROCESS PRIOR TO FOUNDATION EXCAVATION.

5. REFERENCE GEOTECHNICAL REPORT FOR MINIMUM FOOTING DEPTH AND SOIL BEARING PRESSURE.



4 SECTION THROUGH STAND AT PRESSBOX ENTRY AISLE

SCALE: NTS



5 PRESSBOX FLOOR PLAN

SCALE: NTS

Huntress Associates, Inc.

Landscape Architecture & Land Planning

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Andover, Massachusetts 01810
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Project:

Martha's Vineyard Regional High School

Oak Bluffs, Massachusetts

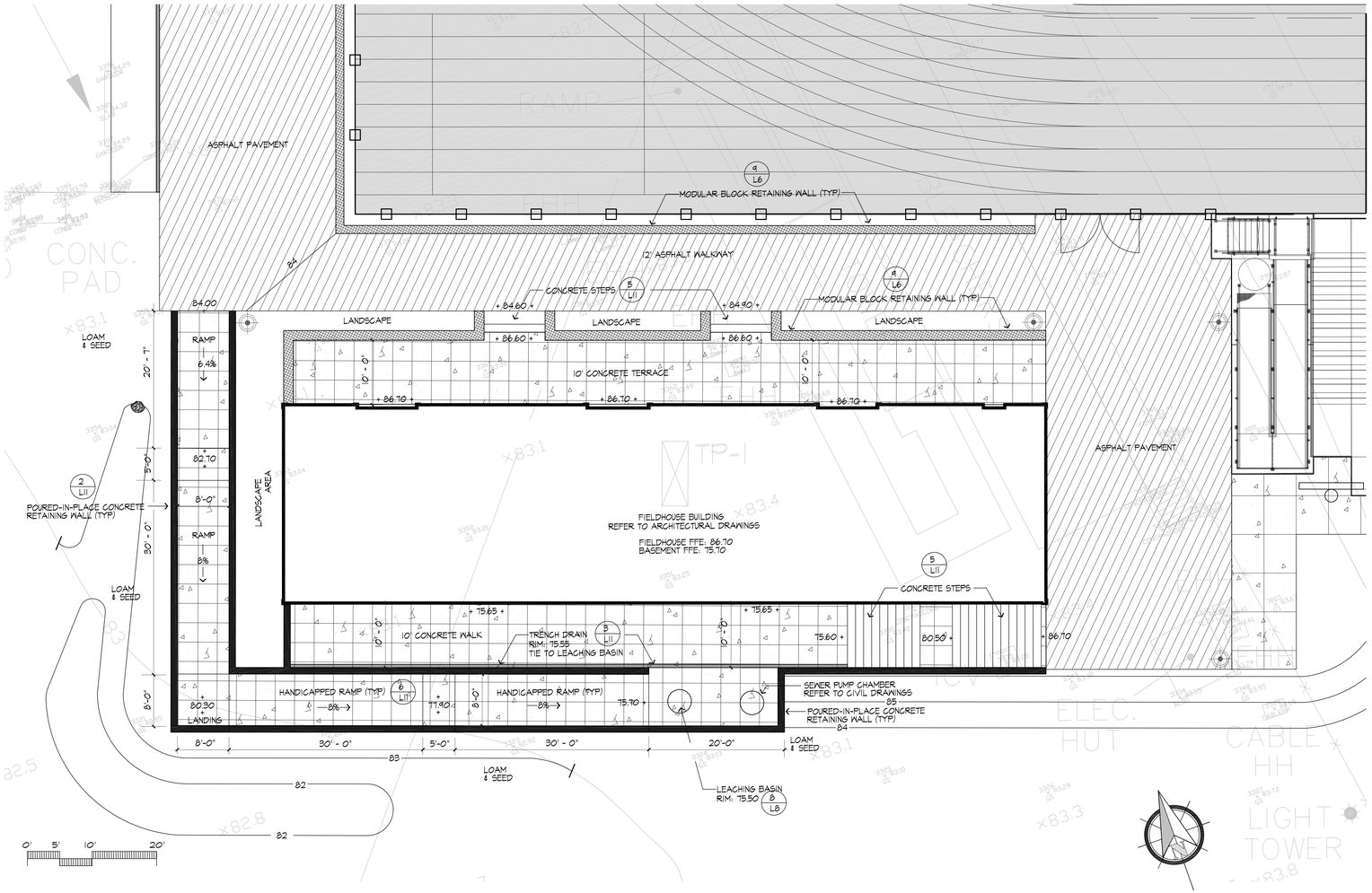
Drawing Title:

Grandstand Details

PRELIMINARY DESIGN NOT FOR CONSTRUCTION

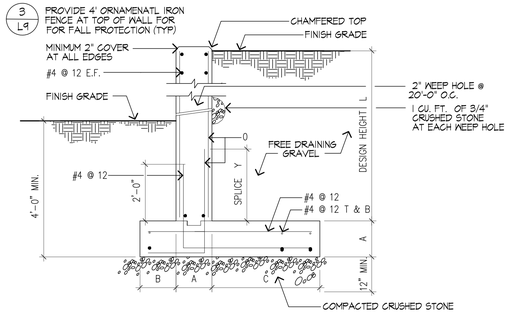
Revision	Date

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



1 FIELDHOUSE BUILDING ENLARGEMENT

SCALE: 1"=10'-0"

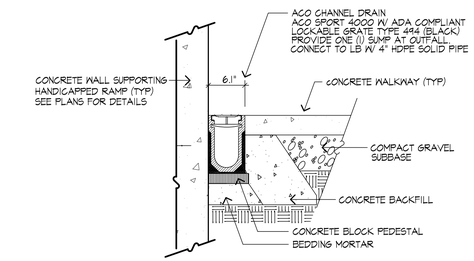


DESIGN HEIGHT	CONCRETE DIMENSIONS			REINFORCING	
L	B	A	C	O	Y
4'-1" TO 6'-0"	1'-0"	1'-2"	2'-0"	#4@12	2'-0"
6'-1" TO 8'-0"	1'-6"	1'-2"	2'-6"	#5@12	2'-6"
8'-1" TO 10'0"	2'-0"	1'-2"	3'-0"	#6@12	3'-0"
10'-1" TO 12'0"	2'-4"	1'-2"	3'-8"	#6@8	3'-0"
12'-1" TO 14'-0"	2'-4"	1'-2"	4'-6"	#8@12	5'-0"
14'-1" TO 16'-0"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

2 TYPICAL CONCRETE RETAINING WALL

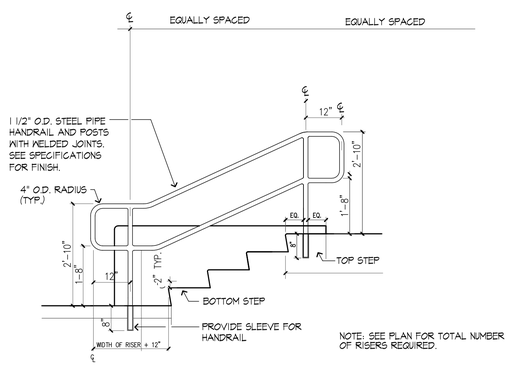
SCALE: NTS

H-RETWAL



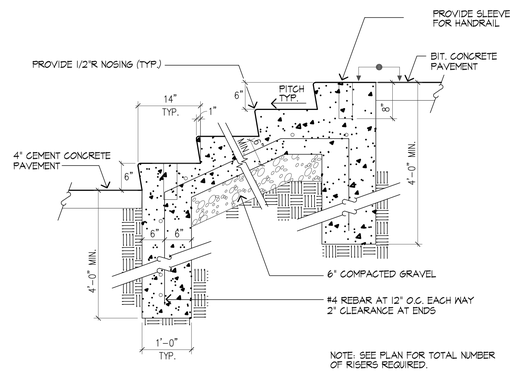
3 TRENCH DRAIN AT BASEMENT WALKWAY

SCALE: 1"=1'-0"



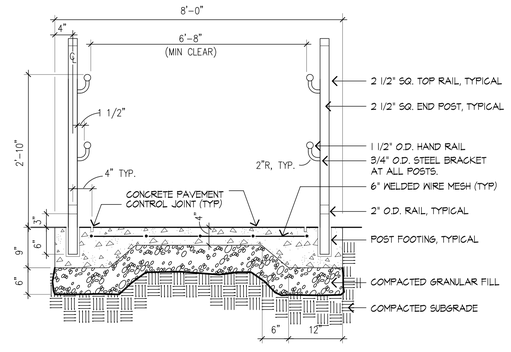
4 HANDRAIL FOR CONCRETE STEPS

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



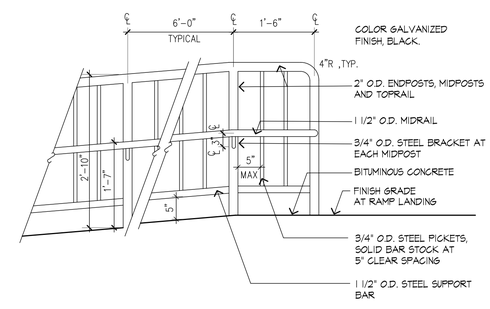
5 CONCRETE STEPS

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



6 HANDICAP RAMP WITH HANDRAIL - SECTION

SCALE: NTS



7 HANDICAP RAMP AND GUARDRAIL - ELEVATION

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

H-RAMP3
96016.G4

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

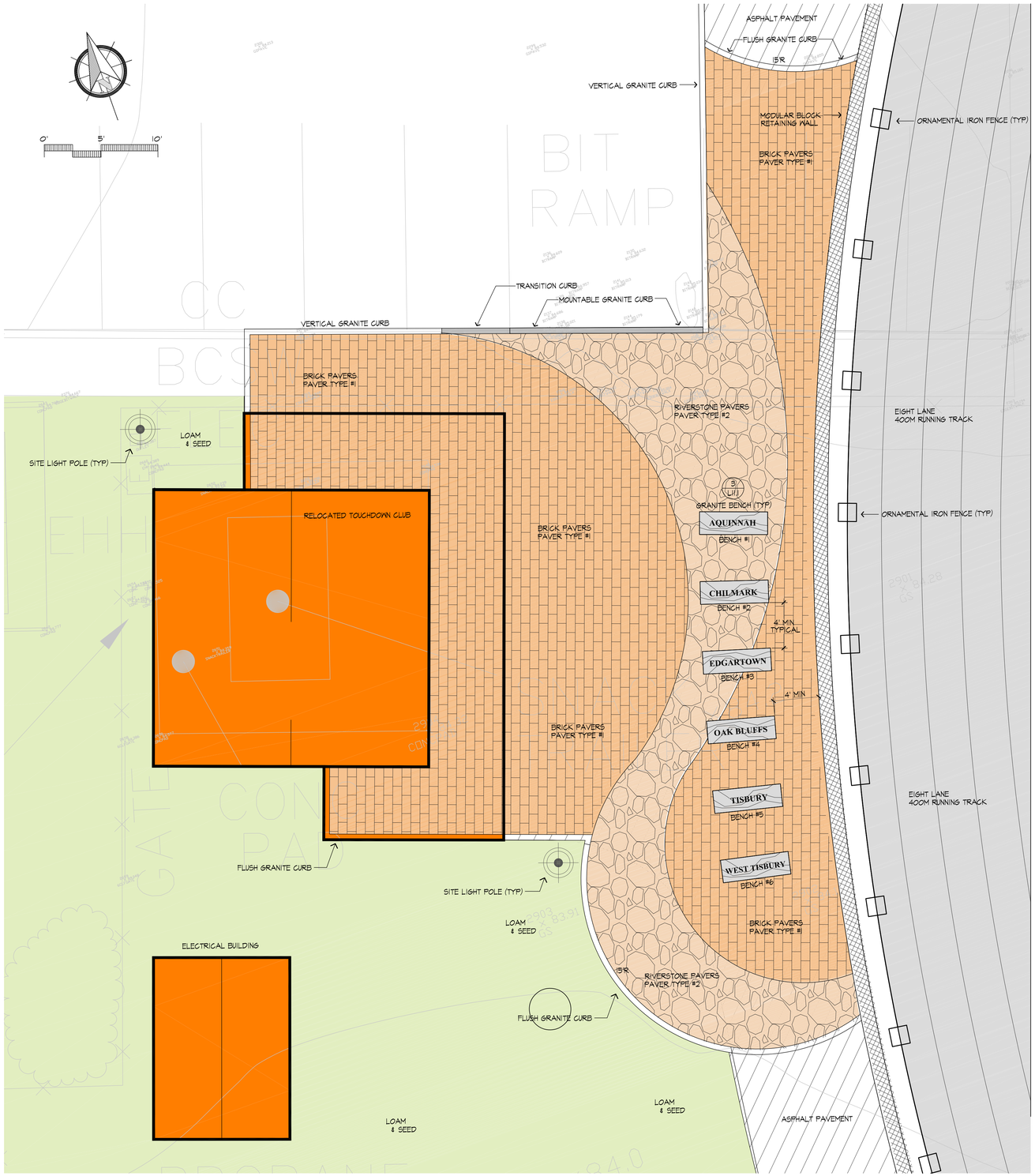
Drawing Title:

Enlargement Plan

PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

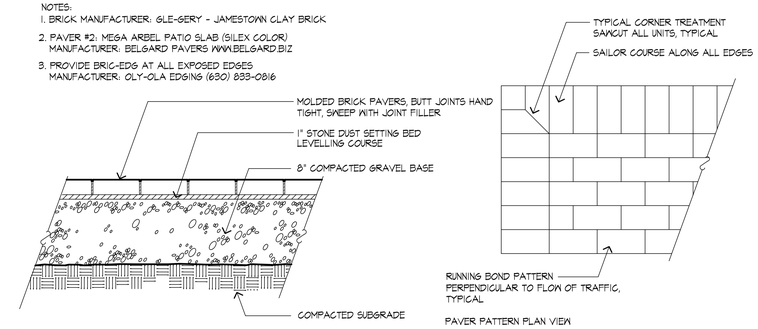
Revision	Date
FIELDHOUSE FOOTPRINT	4.28.20
STORMWATER GRADING	9.16.20

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

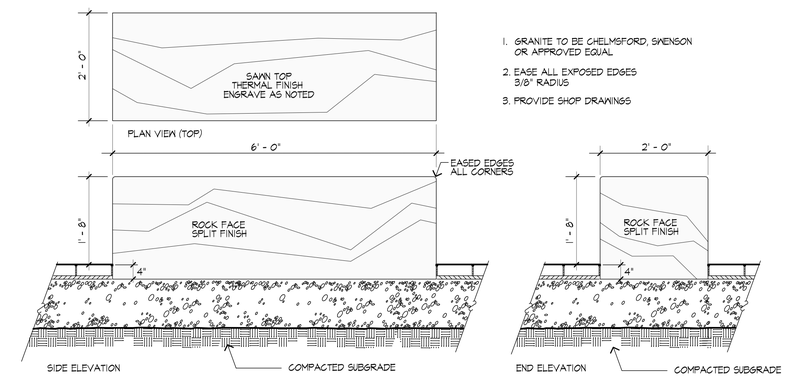


1 ENTRY PLAZA ENLARGEMENT
SCALE: 1"=10'-0"

NOTES:
1. BRICK MANUFACTURER: GLE-SERY - JAMESTOWN CLAY BRICK
2. PAVER #2: MEGA AREEL PATIO SLAB (SILEX COLOR)
MANUFACTURER: BELGARD PAVERS WWW.BELGARD.BIZ
3. PROVIDE BRIG-EDG AT ALL EXPOSED EDGES
MANUFACTURER: OLY-OLA EDGING (630) 833-0816



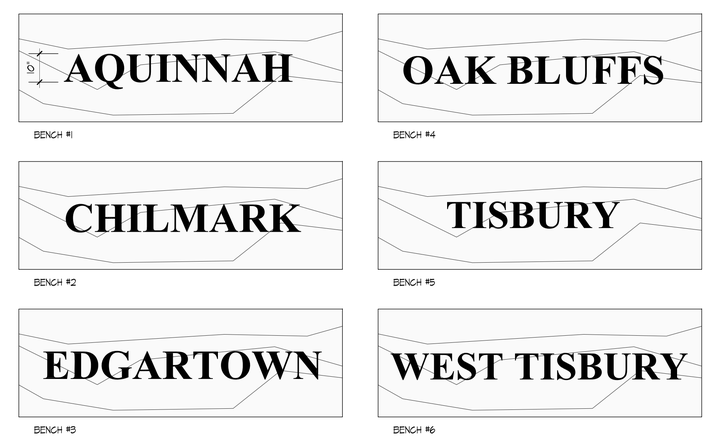
2 BRICK / CONCRETE WALKWAY PAVERS
SCALE: N.T.S.



1. GRANITE TO BE CHELMSFORD, SWENSON OR APPROVED EQUAL
2. EASE ALL EXPOSED EDGES 3/8" RADIUS
3. PROVIDE SHOP DRAWINGS

3 GRANITE BLOCK BENCHES
SCALE: N.T.S.

1. ENGRAVED LETTERING TO BE PAINTED BLACK
2. PROVIDE SHOP DRAWINGS FOR EACH BENCH



4 GRANITE BLOCK BENCHES - TOP ENGRAVINGS
SCALE: N.T.S.

Huntress Associates, Inc.
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978 470 8882 FAX 978 470 8890

Project:
Martha's Vineyard Regional High School

Oak Bluffs, Massachusetts

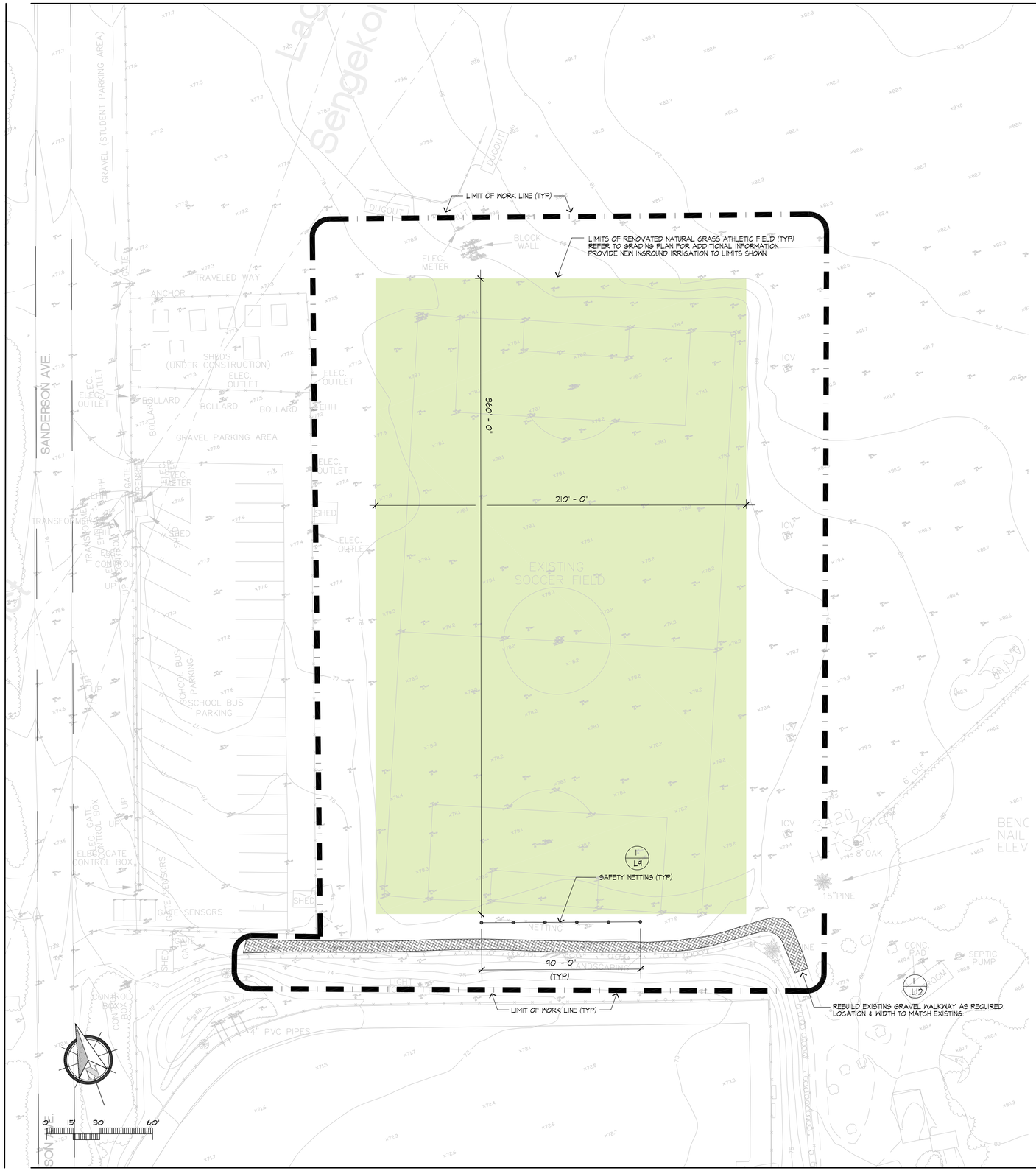
Drawing Title:
Enlargement Plan Entry Plaza

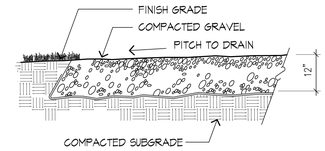
MASSACHUSETTS REGISTERED LANDSCAPE ARCHITECT NO. 1178

PRELIMINARY DESIGN NOT FOR CONSTRUCTION

Revision	Date

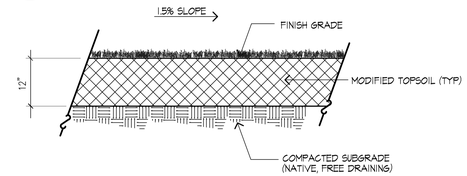
Scale:	AS NOTED	Drawing No.
Date:	4.28.20	L11.1
Job:	00-107	
File:	PR-mp	
Drawn:	CCH	of
Checked:	--	13





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 175 PSI TESTED OVER A MINIMUM OF 10 LOCATIONS ON THE FIELD USING A PENETROMETER.
11. SOIL IMPACT HARDNESS (GMAX) 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

COVERAGE LIMITS FOR NEW INGROUND IRRIGATION SYSTEM. GC TO PROVIDE IRRIGATION LAYOUT SUBMITTAL SHOWING CONNECTION TO EXISTING SYSTEM, SHUT-OFF VALVES, BACKFLOW DEVICE, PIPE RUNS, VALVES, ZONES AND SPRINKLER LAYOUT. REFER TO SPECIFICATIONS FOR DETAILS.

SITE PREPARATION NOTES

1. EXISTING CONDITIONS PLAN ENTITLED 'TOPOGRAPHIC SURVEY' PREPARED BY MARCHIONDA ASSOCIATES, LP OF STONEHAM, MA. DATED OCTOBER 23, 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.
13. FIELD #2: ALL STAGING AND STOCKPILING TO OCCUR WITHIN THE LIMIT OF WORK LINE AS SHOWN ON SHEET L12 & L13, RESPECTIVELY.
14. EROSION CONTROL TO BE PROVIDED AT THE LIMIT OF WORK LINE FOR FIELD #2. REFER TO DETAIL #2 SHEET SP2.

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Landscape Architecture & Land Planning

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Andover, Massachusetts 01810
978 470 8882 FAX 978 470 8890

Project:

Martha's Vineyard Regional High School

Oak Bluffs, Massachusetts

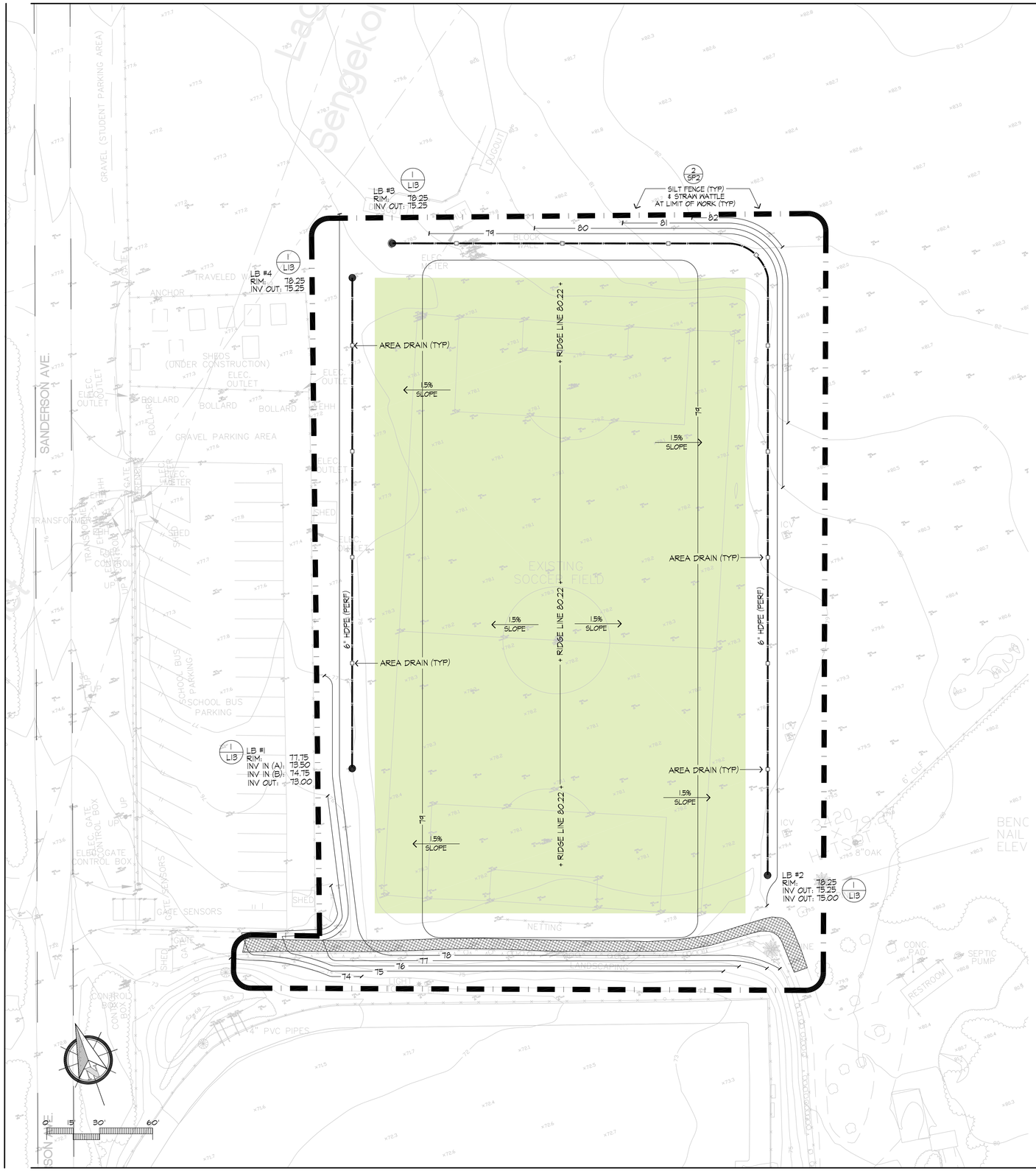
Drawing Title:

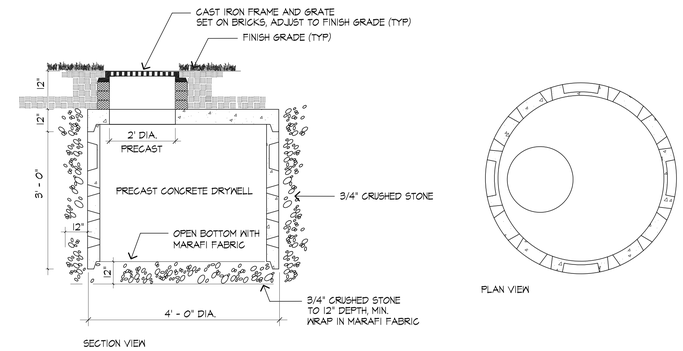
Layout & Materials Field #2

PRELIMINARY DESIGN NOT FOR CONSTRUCTION

Revision	Date
ADDED NOTES 13 & 14	9.16.20

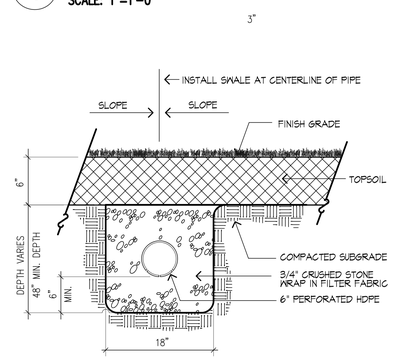
Scale:	1"=30'	Drawing No.
Date:	1.22.20	L12
Job:	00-107	
File:	PR-mp	
Drawn:	CCH	of
Checked:	--	13





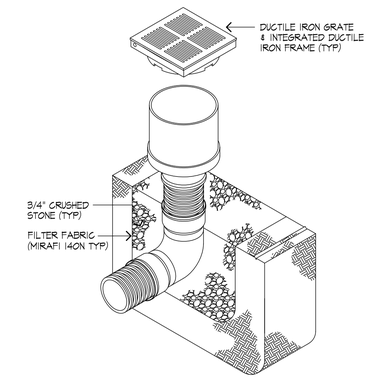
1 LEACHING BASIN

SCALE: 1"=1'-0"



2 PERFORATED DRAIN

SCALE: 1"=1'-0"



3 INLNE DRAIN WITH IRON GRATE

SCALE: N.T.S.

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Project:

Martha's Vineyard Regional High School

Oak Bluffs, Massachusetts

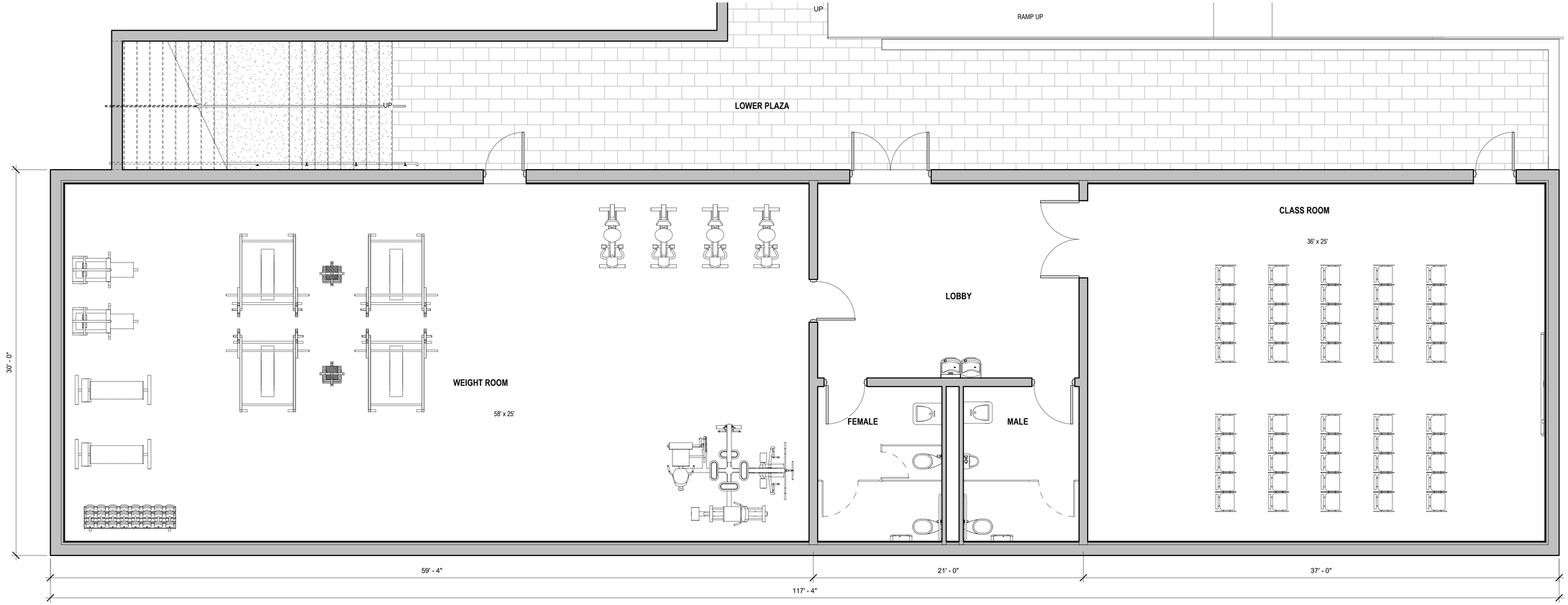
Drawing Title:

Grading & Drainage Field #2

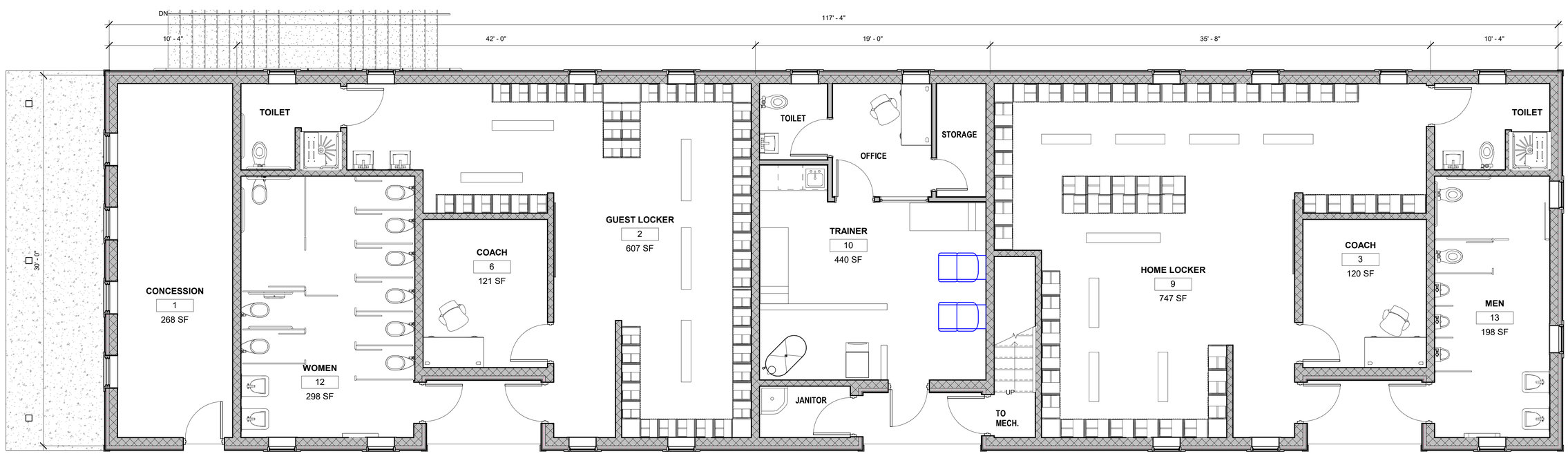
PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

Revision	Date
CUT & FILL BALANCE	4.28.20
REMOVED FIELD UNDERDRAIN	9.16.20
REMOVED OUTFALL PIPE	9.16.20
ADDED LIMIT OF WORK LINE	9.16.20

Scale:	1"=30'	Drawing No.
Date:	1.22.20	L13
Job:	00-107	
File:	PR-mp	
Drawn:	CCH	of
Checked:	--	13



2 LOWER LEVEL
1/4" = 1'-0"



1 GROUND LEVEL
1/4" = 1'-0"

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Contracted with:
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Landscape Architects & Planners
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Andover, MA 01810

MARTHA'S VINEYARD REGINAL HIGH SCHOOL
OAK BLUFFS, MASSACHUSETTS

prepared for: Martha's Vineyard Regnal High School
location: OAK BLUFFS, MASSACHUSETTS
title
FIELDHOUSE PLANS

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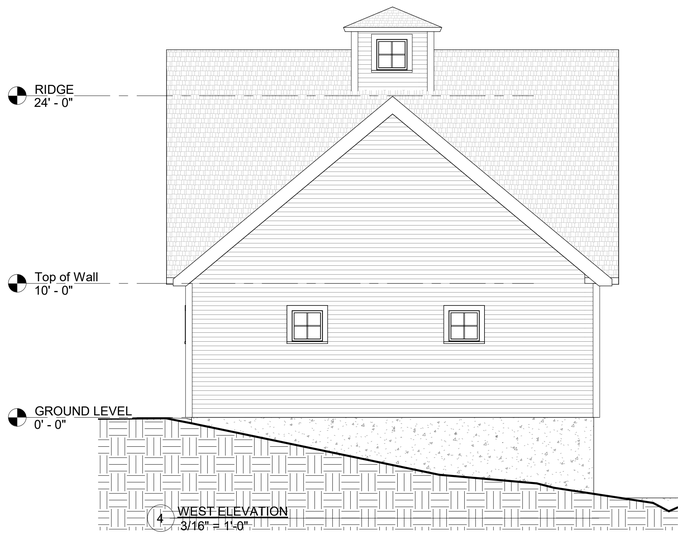
Mark	Date
3	Rev Plan 3/26/20
2	Rev Plan 2/27/20
1	Rev Plan 2/12/20

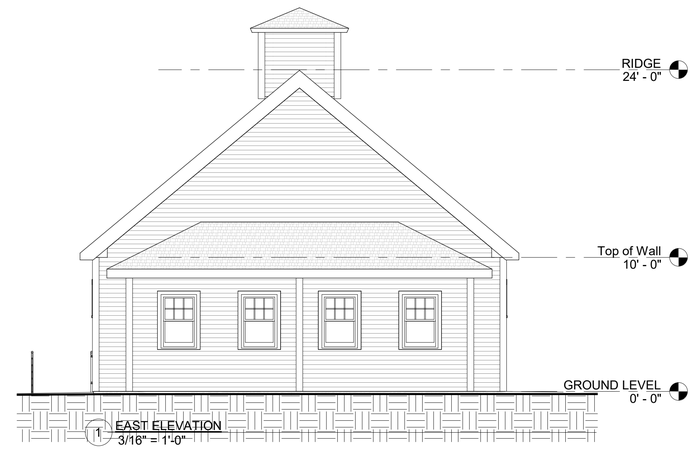
Revisions

Date: 22 January 2020
Scale:
Job No.: 2900
Sheet No.: A100

2 NORTH ELEVATION
3/16" = 1'-0"



4 WEST ELEVATION
3/16" = 1'-0"



1 EAST ELEVATION
3/16" = 1'-0"

3 SOUTH ELEVATION
3/16" = 1'-0"

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MARTHA'S VINEYARD REGINAL HIGH SCHOOL

OAK BLUFFS, MASSACHUSETTS

prepared for: Martha's Vineyard Reginal High School
location: Approver
title

BUILDING ELEVATIONS

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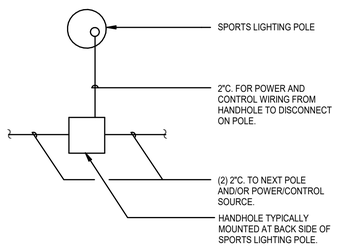
Mark	Date
3	Rev Plan 3/26/20
2	Rev Plan 2/27/20
1	Rev Plan 2/12/20

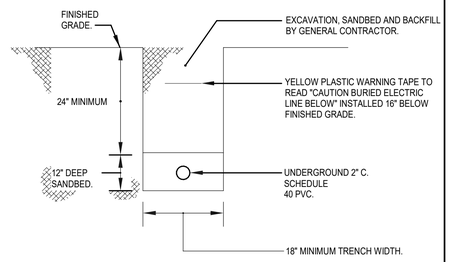
Revisions

Date	22 January 2020
Scale	3/16" = 1'-0"
Job No.	2900
Sheet No.	A200



SPORTS LIGHTING CONDUITING/HANDHOLE DETAIL

Scale: Not To Scale

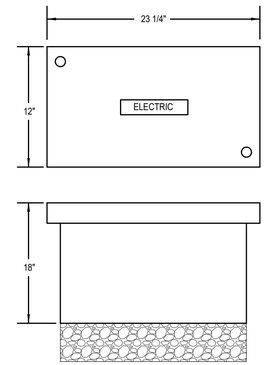


NOTES:

1. EXCAVATION, SAND BED, AND CLEAN BACKFILL BY GENERAL CONTRACTOR.
2. EXACT ROUTING OF SITE LIGHTING RACEWAY SHALL BE COORDINATED IN THE FIELD BY THE ELECTRICAL CONTRACTOR PRIOR TO ROUGHING.

SITE RACEWAY SYSTEM

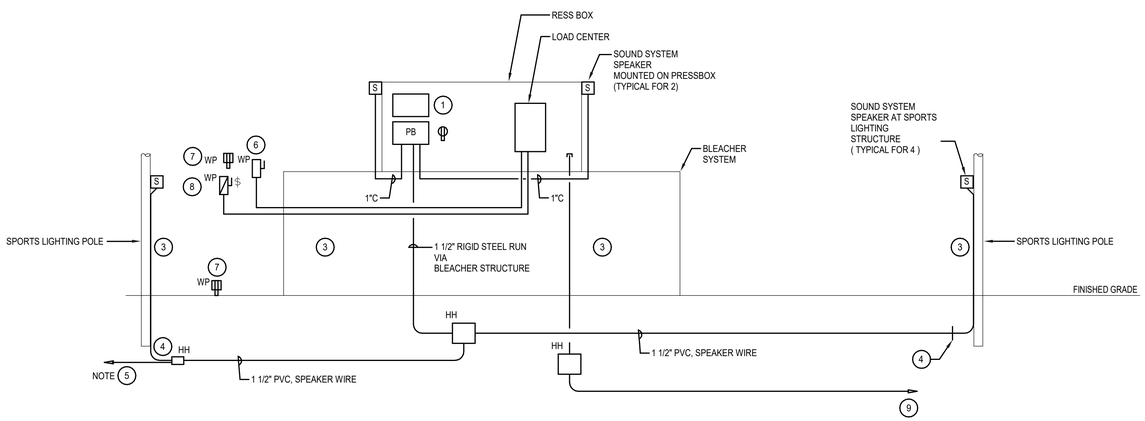
Scale: Not To Scale



PROVIDE HANDHOLES (QUAZITE #PG1224DA36 OPEN BOTTOM WITH HEAVY DUTY GASKETED LOCKING COVER #PG1224HH00) WITH CONDUIT SIZES PER SITE PLAN. COVER ID SHALL READ "ELECTRIC".

SITE HANDHOLE DETAIL (HH)

Scale: Not To Scale



NOTES:

1. NEW SOUND SYSTEM AMPLIFIER AND HEADEND EQUIPMENT PROVIDE REQUIRED POWER ( ) FROM PRESS BOX LOAD CENTER RACEWAYS AND OUTLETS FOR A COMPLETE INSTALLATION OF ALL SOUND SYSTEM EQUIPMENT.
2. INSTALL UNDERGROUND CONDUITS MINIMUM 24" BELOW GRADE.
3. ALL CONDUITS ABOVE GRADE SHALL BE GALVANIZE RIGID STEEL, CONTINUE BELOW GRADE TO RIGID STEEL ELBOW TO TRANSITION TO UNDERGROUND PVC.
4. CONVERT PVC TO GALVANIZED RIGID STEEL AT ELBOW, PROVIDE GALVANIZED RIGID STEEL UP POLE TO SPEAKER PROVIDE ADEQUATE SUPPORT ON POLE. ALL HARDWARE ON POLE SHALL BE GALVANIZED.
5. 1 1/2" PVC TO NEXT POLES FOR SPEAKER WIRING, VIA UNDERGROUND CONDUITS AND HANDHOLES.
6. PROVIDE 40A-2P POWER CIRCUIT AND 15A 1P LIGHTING CIRCUIT FROM PRESS BOX LOAD CENTER FOR POWERED LIFT PROVIDE COMPLETE INSTALLATION OF ALL POWER . CONNECTIONS AND CONTROLS POWER DISCONNECT SWITCH SHALL BE PROVIDE WITH AUXILIARY CONTACTS.
7. RECEPTACLES MOUNTED ON/OR NEAR LIFT STRUCTURE. PROVIDE 20A-1P CIRCUIT FROM PRESS BOX LOAD CENTER.
8. 30A DISCONNECT SWITCH FUSED AT 15A AND LIGHT SWITCH FOR LIGHTING CIRCUIT.
9. ONE TWO INCH CONDUIT TO STORAGE SHED FOR LOW VOLTAGE WIRING.

PRESS BOX SOUND SYSTEM AND EQUIPMENT INSTALLATION DETAIL

Scale: Not To Scale

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 — 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

SITE LUMINAIRE SCHEDULE

FIXTURE TYPE	LAMP	WATTAGE	MANUFACTURER	CATALOG NUMBER	MOUNTING	REMARKS
L1	LED		LITHONIA	ZLIN-L48-5000LM-FST-35K-90CR1-LBOZ0*-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

ELECTRICAL DRAWING LIST

DRAWING NUMBER	DRAWING TITLE	SHEET NUMBER	
		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

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MECHANICAL | ELECTRICAL | PLUMBING | FIRE PROTECTION
STRUCTURAL | TECHNOLOGY | COMMISSIONING

Project:

Martha's Vineyard Regional High School

Oak Bluffs, Massachusetts

Drawing Title:

ELECTRICAL LEGEND AND DETAILS

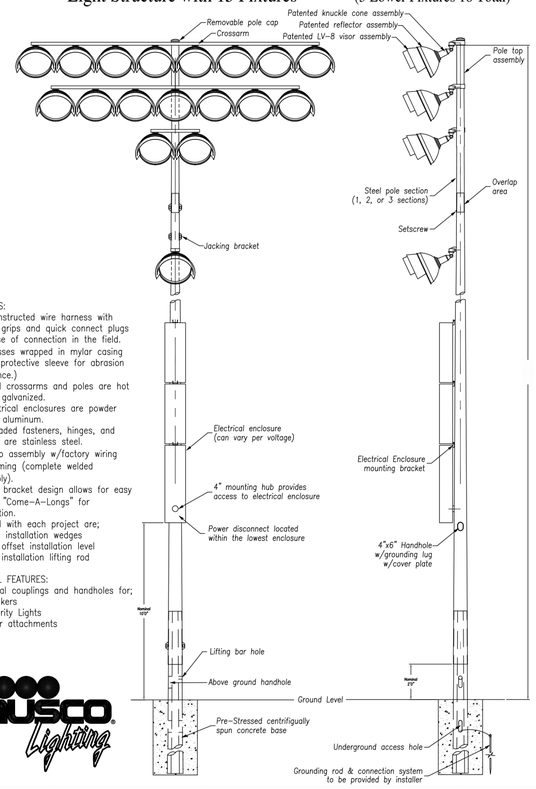
Revision	Date

Scale:	NONE
Date:	12.16.19
Job:	60-19-400
File:	Martha's Vineyard - BALA MEP 2019
Drawn:	ERA
Checked:	KJA

Drawing No.

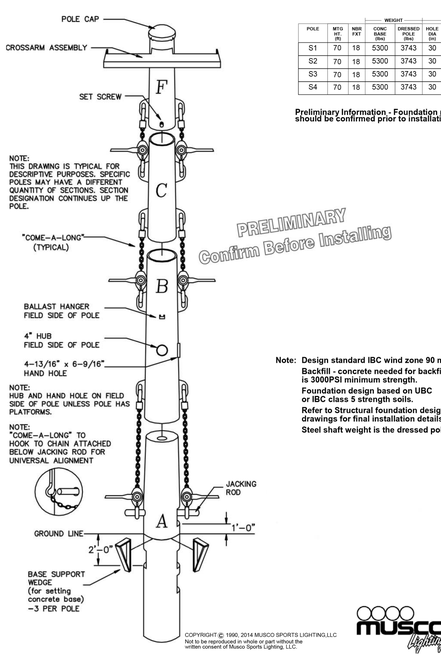
E000

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



FEATURES:
- *Pre-constructed wire harness with kellum 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



NOTE:
THIS DRAWING IS TYPICAL FOR DESCRIPTIVE PURPOSES. SPECIFIC POLES MAY HAVE A DIFFERENT QUANTITY OF SECTIONS. SECTION DESIGNATION CONTINUES UP THE POLE.

NOTE:
HUB AND HAND HOLE ON FIELD SIDE OF POLE UNLESS POLE HAS PLATFORMS.

NOTE:
"COME-A-LONG" TO HOOK TO CHAIN ATTACHED BELOW JACKING ROD FOR UNIVERSAL ALIGNMENT

PRELIMINARY
Confirm Before Installing

POLE	MTG HT. (ft)	MBR FXT	WEIGHT CONC BASE (lbs)	WEIGHT DRESSED POLE (lbs)	BURIAL HOLE DIA (in)	BURIAL HOLE DPTH (ft)	BURIAL BUR DPTH (ft)	BACK FILL (yrf)
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.

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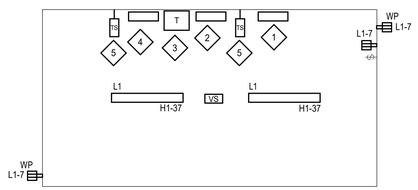
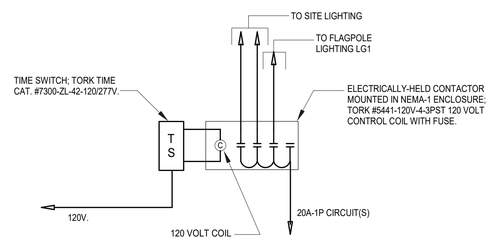
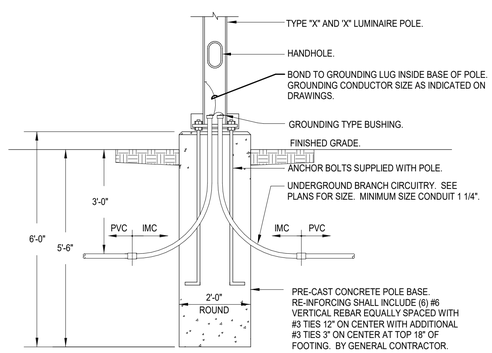
STORAGE SHED EQUIPMENT ID:
1. 480/277V 3PH 4W PANELBOARD H1
2. MUSCO CONTROL PANEL
3. TRANSFORMER
4. 208/120V 3PH 4W PANELBOARD L1
5. TIME SWITCH



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:
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 277/480 Wye
Phases: 3
Wires: 4
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 4#8, 1#8G.		30A	3	0 VA	0 VA					3	30A		MUSCO SPORTS LIGHT A2 4#8, 1#8G.	2
3							0 VA	0 VA							4
5									0 VA	0 VA					6
7	MUSCO SPORTS LIGHT A3 4#10, 1#10G.		30A	3	0 VA	0 VA					3	30A		MUSCO SPORTS LIGHT A4 4#10, 1#10G.	8
9							0 VA	0 VA							10
11									0 VA	0 VA					12
13			30A	3	0 VA	0 VA					3	30A			14
15							0 VA	0 VA							16
17									0 VA	0 VA					18
19			30A	3	0 VA	0 VA					3	30A			20
21							0 VA	0 VA							22
23									0 VA	0 VA					24
25			30A	3	0 VA	0 VA					3	30A			26
27							0 VA	0 VA							28
29									0 VA	0 VA					30
31	MUSCO POWERLINE COMMUNICATION		30A	3	0 VA	0 VA					1	20A		FLAG POLE LIGHTS	32
33							0 VA	0 VA			1	20A		FLAG POLE LIGHTS	34
35									0 VA	0 VA	1	20A		SITE LIGHTS	36
37	SHED LIGHTS		20A	1	0 VA	0 VA					1	20A		SITE LIGHTS	38
39	SPARE		20A	1			0 VA	0 VA			1	20A		SITE LIGHTS	40
41	SPARE		20A	1					0 VA	0 VA	1	20A		SPARE	42

PANELBOARD: L1

Location:
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
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			20A	1					0 VA	0 VA	1	20A		COM BOX RECEPTACLE	6
7	SHED		20A	1	0 VA	0 VA					1	20A		COM BOX RECEPTACLE	8
9	SCOREBOARD		20A	1			0 VA	0 VA			1	20A		COM BOX RECEPTACLE	10
11	SPARE		20A	1					0 VA	0 VA	1	20A		SPARE	12
13	SPARE		20A	1	0 VA	0 VA					1	20A		SPARE	14
15	SPARE		20A	1			0 VA	0 VA			1	20A		SPARE	16
17	SPARE		20A	1					0 VA	0 VA	3	20A		SPARE	18
19	SPARE		20A	1	0 VA	0 VA									20
21	SPARE		20A	1			0 VA	0 VA							22
23	SPARE		20A	1					0 VA	0 VA	1	--		SPACE AND HARDWARE	24
25	SPARE		20A	3	0 VA	0 VA					1	--		SPACE AND HARDWARE	26
27							0 VA	0 VA			1	--		SPACE AND HARDWARE	28
29									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 kVA	480V. 3Ø. 3W. PRIMARY			120/208V. 3Ø. 4W. SECONDARY		
		PRIMARY AMPS	480V. OVERCURRENT	480V. FEEDER	SECONDARY AMPS	208V. OVERCURRENT	120/208V. FEEDER
45/T4	45	54	70A-3P	3#4, 1#8 GND., 1 1/4"C.	125	150A-3P	4#1/0, 1#6 GND., 2"C.

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

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STRUCTURAL | TECHNOLOGY | COMMISSIONING

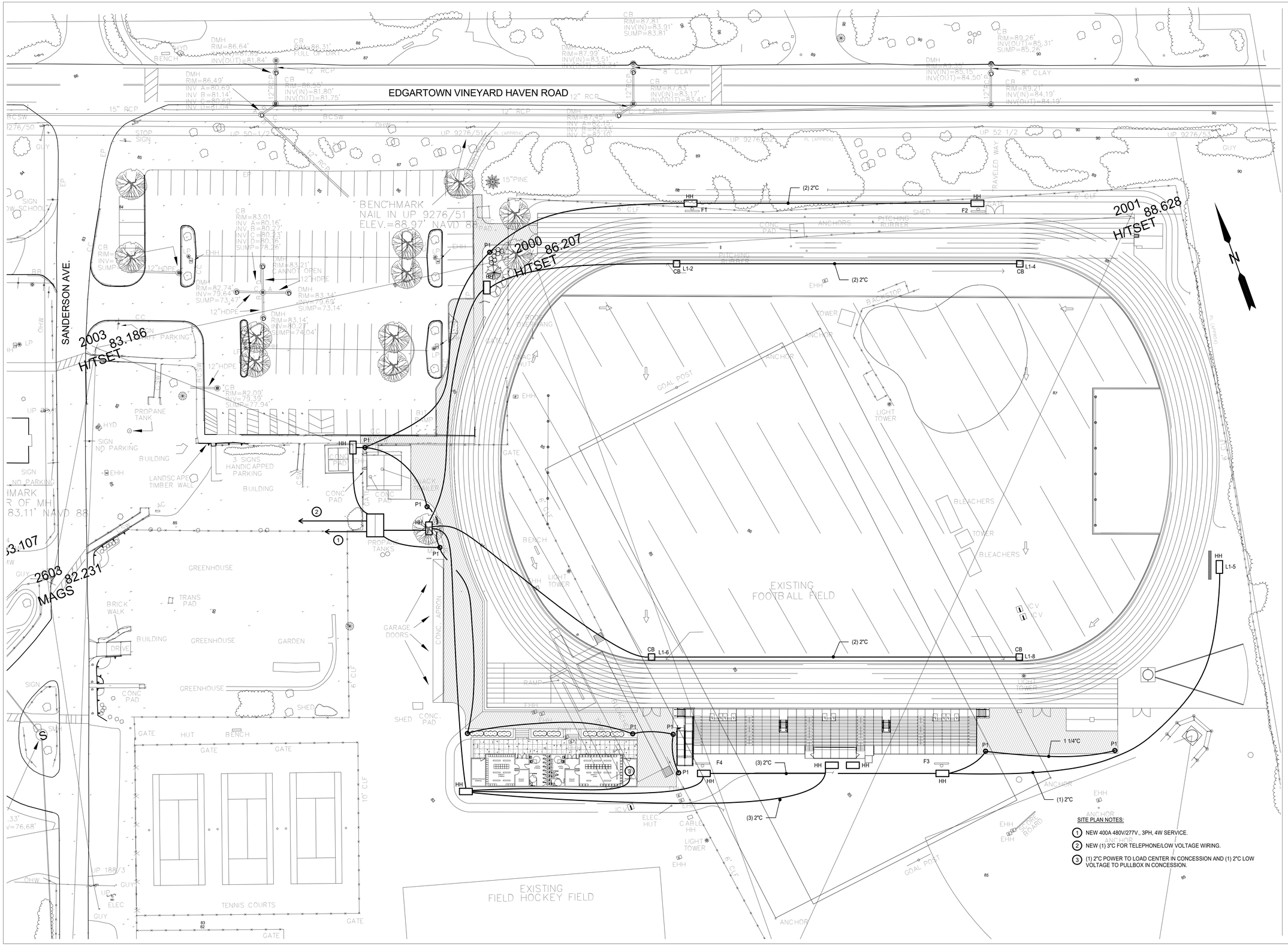
Project:
Martha's Vineyard Regional High School
Oak Bluffs, Massachusetts

Drawing Title:
ELECTRICAL DETAIL SHEET1

Revision	Date

Scale:	NONE
Date:	12.16.19
Job:	60-19-400
File:	Martha's Vineyard - BALA MEP 2019
Drawn:	ERA
Checked:	KJA

Drawing No.
E001



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.

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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