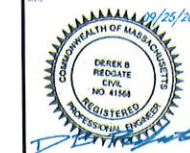


PREPARED BY:  
**COASTAL ENGINEERING COMPANY, INC.**

PREPARED FOR:  
**YMCA OF CAPE COD**

PROJECT NAME:  
**YMCA OF CAPE COD GILMORE HOUSE**

PROJECT ADDRESS:  
**351 PLEASANT LAKE AVE  
 HARWICH, MA 02645**



NO.	REV.	DATE	DESCRIPTION

**LIST OF CONSULTANTS**

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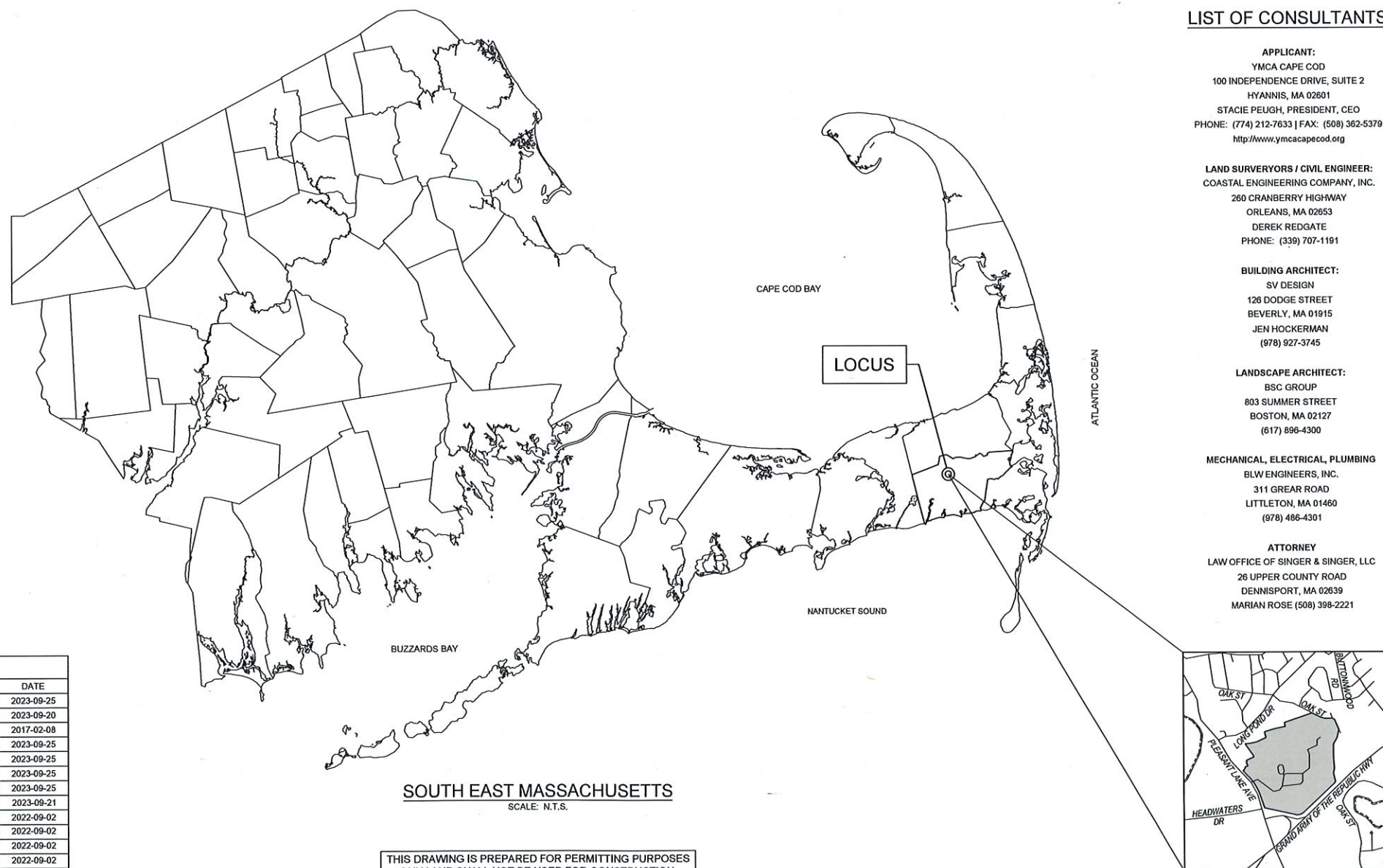
**LAND SURVEYORS / CIVIL ENGINEER:**  
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 26 UPPER COUNTY ROAD  
 DENNISPORT, MA 02639  
 MARIAN ROSE (508) 398-2221



**SOUTH EAST MASSACHUSETTS**  
 SCALE: N.T.S.

THIS DRAWING IS PREPARED FOR PERMITTING PURPOSES ONLY AND SHALL NOT BE USED FOR CONSTRUCTION. CONTRACTOR SHALL OBTAIN FINAL CONSTRUCTION PLANS FROM THE ENGINEER PRIOR TO PREPARATION OF CONSTRUCTION BID AND BEFORE BEGINNING ANY WORK.

RECEIVED  
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 HARWICH, MA  
 2023 SEP 26 P 12:45

SHEET #	SHEET TITLE	SHEET DESCRIPTION	DATE
01	G-001	TITLE SHEET	2023-09-25
02	G-002	LEGEND, ABBREVIATIONS, AND GENERAL NOTES	2023-09-20
03	EX-1.1	DATA ACCUMULATION PLAN	2017-02-08
04	CE101	EROSION AND SEDIMENTATION CONTROL PLAN	2023-09-25
05	CM101	LAYOUT AND MATERIALS PLAN	2023-09-25
06	CG101	GRADING, DRAINAGE, AND UTILITY PLAN	2023-09-25
09	C-501	SITE DETAILS (SHEET 1)	2023-09-25
10	C-502	SITE DETAILS (SHEET 2)	2023-09-21
11	L-3.0	MATERIALS PLAN	2022-09-02
12	L-4.0	PLANTING PLAN	2022-09-02
13	L-5.0	DETAILS	2022-09-02
14	L-5.1	DETAILS	2022-09-02
15	L-5.2	DECK DETAILS	2022-09-02

**YMCA OF CAPE COD  
 GILMORE HOUSE**  
 351 PLEASANT LAKE AVE  
 HARWICH, MA 02645

DATE: 2023-08-22

DRAWN BY: MDC DBR

PROJECT NUMBER: C12500.09

PROJECT STATUS: DESIGN DEVELOPMENT (DD)

TITLE SHEET

SHEET NUMBER: **G-001**

SHEET TOTAL: SHEET 01 OF 12



ABBREVIATIONS

Table of abbreviations including ABND(D), ABUT, ACC, ADDL, ADJ, APPROX, ASPH, BFP, BL, BSMT, BE, BM, BIT, BOT, BC, BS, BW, BND, BLDG, CATV, CIP, CI, CB, CEM, C-C, CL, CLF, CO, CLR, COL, CONC, CP, CSP, CONCD, CJ, CMP, CPP, CY, C&G, D, DIA, DR, DMH, DA, DH, DIP, EF, EW, ESMT, E, EC, EOP, ELEC, EMH, ELUELEV, ENTR, EX/EXIST, EG, EJ, FF, FH, FES, FLR, FC, FM, FDN, GALV, G, GG, GMH, GRAN, GRAV, GRL, HH, HC, HDPE, HP, HMA, HYD, IN, INV, IP, K, LA, LT, L, LVC, LTP.

Legend table with columns for EXISTING and PROPOSED symbols. Includes categories like ACCESSIBLE PARKING, BASELINE OFFSET, BOULDER, BOUND, CABLE BOX, CATCH BASIN, CHAIN LINK FENCE, CLEAN-OUT, CONCRETE, CONIFER TREE, DECIDUOUS TREE, DRAIN MANHOLE, DRAINAGE LINE, EARTH, ELECTRIC LINE, ELECTRIC MANHOLE, ELECTRIC METER, ELECTRIC SERVICE, FIRE PROTECTION, FLOOD LIGHT, FORCE MAIN, GAS METER, GUARD RAIL, GUY POLE, GUY WIRE, HYDRANT, IRON PIPE, IRRIGATION VALVE, LANDSCAPED AREA, LIGHT POLE, LIMIT OF WORK, MAILBOX, MAJOR CONTOUR, MINOR CONTOUR.

GENERAL NOTES
1. THE SITE IS LOCATED IN HARMCH, MASSACHUSETTS.
2. THIS PROJECT INCLUDES....
3. STANDARD SPECIFICATIONS, WHEN REFERENCED IN THESE DRAWINGS, SHALL MEAN THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT ED). PARTS OF THE STANDARD SPECIFICATIONS THAT ARE SPECIFICALLY REFERENCED SHALL BECOME PART OF THESE DRAWINGS AS THOUGH STATED HEREIN IN FULL. IN CASE OF A DISCREPANCY BETWEEN THE STANDARD SPECIFICATIONS AND THE REQUIREMENTS STATED WITHIN THE DRAWINGS, THE REQUIREMENTS STATED WITHIN THE DRAWINGS SHALL PREVAIL.
4. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE DESIGN PLANS, SPECIFICATIONS, AND THE ORDER OF CONDITIONS ISSUED FOR THE PROJECT.
5. ALL CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE MAINTAINED WITHIN THE LIMITS OF THE PROJECT AS SHOWN ON SHEET CM101.
6. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY DURING THE PERFORMANCE OF THE WORK. SAFETY PROVISIONS SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS. THESE REQUIREMENTS SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.
7. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD BEFORE ORDERING ANY MATERIALS, COMMENCING ANY FABRICATION, OR PERFORMING ANY WORK. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING, OF ANY CONDITIONS OR DIMENSIONS WHICH VARY FROM THOSE SHOWN IN THE DRAWINGS AND INCORPORATE SUCH VARIATIONS IN THE CONSTRUCTION AS APPROVED BY THE ENGINEER.
8. THE CONTRACTOR SHALL NOTIFY DIGSAFE AT 1-888-344-7233 AND OTHER UTILITY OWNERS IN THE AREA NOT ON THE DIGSAFE LIST AT LEAST 3 BUSINESS DAYS PRIOR TO ANY DIGGING, TRENCHING, ROCK REMOVAL, DEMOLITION, BORING, BACKFILLING, GRADING, LANDSCAPING, PILE DRIVING, DRILLING, OR ANY OTHER BELOW GRADE OPERATIONS.
9. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IN ADDITION, SOME UTILITIES MAY NOT BE SHOWN. DETERMINE THE EXACT LOCATION OF UTILITIES BY TEST PIT OR OTHER METHODS, AS NECESSARY TO PREVENT DAMAGE TO UTILITIES AND/OR INTERRUPTIONS IN UTILITY SERVICE. PERFORM TEST PIT EXCAVATIONS AND OTHER INVESTIGATIONS TO LOCATE UTILITIES, AND PROVIDE THIS INFORMATION TO THE ENGINEER, PRIOR TO CONSTRUCTING THE PROPOSED IMPROVEMENTS LOCATE ALL EXISTING UTILITIES TO BE CROSSED BY HAND EXCAVATION.
10. NO OPEN TRENCHES WILL BE ALLOWED OVER NIGHT. THE USE OF ROAD PLATES TO PROTECT THE EXCAVATION WILL BE CONSIDERED UPON REQUEST, BUT BACKFILLING IS PREFERRED.
11. MAINTAIN EMERGENCY ACCESS TO ALL PROPERTIES WITHIN THE PROJECT AREA AT ALL TIMES DURING CONSTRUCTION.
12. ALL PROPOSED WORK MAY BE ADJUSTED IN THE FIELD BY THE OWNER'S PROJECT REPRESENTATIVE TO MEET EXISTING CONDITIONS.
13. CONTRACTOR TO OBTAIN, PAY FOR AND COMPLY WITH PERMITS, NOTICES AND FEES NECESSARY TO COMPLETE THE WORK. ARRANGE AND PAY FOR NECESSARY INSPECTIONS AND APPROVALS FROM THE JURISDICTIONAL AUTHORITIES.
14. BOLD TEXT AND LINES INDICATE PROPOSED WORK. LIGHT TEXT AND LINES INDICATE APPROXIMATE EXISTING CONDITIONS.

SUBMITTALS
1. THE CONTRACTOR SHALL SUBMIT ALL REQUIRED SUBMITTALS PER THE STANDARD SPECIFICATIONS FOR MATERIALS, TRAFFIC CONTROL PLAN, AND SUPPORT OF EXCAVATIONS, TEST REPORTS AS REQUIRED AND SHALL BE REVIEWED AND APPROVED BY THE TOWN, ARCHITECT AND/OR ENGINEER.

PRIOR TO CONSTRUCTION
1. CONTRACTOR TO VERIFY ALL EXISTING UTILITIES. ANY DISCREPANCIES WITH THE DESIGN PLAN TO BE REPORTED TO THE DESIGN ENGINEER PRIOR TO START OF WORK.
2. SILT BARRIER TO BE INSTALLED ON THE LIMIT OF WORK, NO WORK IS TO BE DONE OUTSIDE OF THE SPECIFIED AREA.
LAYOUT
1. THIS PROJECT IS REFERENCED HORIZONTALLY TO THE MASSACHUSETTS STATE PLAN COORDINATE SYSTEM, MAINLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83 (2011) (MYCS2) Epoch 2010.00) AND VERTICALLY TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) BY RTK GPS OBSERVATIONS ON 2020-10-26.
2. THE SURVEY CONTROL SHOWN HEREON WAS ESTABLISHED ON 2017-02-08 BY COASTAL ENGINEERING COMPANY, INC.
3. THE CONTRACTOR SHALL VERIFY THE SURVEY CONTROL SHOWN HEREON BY APPROPRIATE LAND SURVEYING METHODS. ANY DISCREPANCIES AND THE METHOD OF VERIFICATION USED MUST BE REPORTED TO COASTAL ENGINEERING COMPANY, INC.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ALL LAYOUT WORK FROM THE SURVEY CONTROL SHOWN.
EROSION & SEDIMENT CONTROL NOTES
1. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION CONTROL AND PROTECTION OF DRAINAGE STRUCTURES UNTIL COMPLETION OF SITEWORK AND ESTABLISHMENT OF VEGETATIVE GROUND COVER.
2. THE CONTRACTOR SHALL PRACTICE GOOD HOUSEKEEPING MEASURES DURING THE DAY-TO-DAY OPERATION AT THE SITE. THE SITE SHOULD BE MONITORED DAILY TO REMOVE ANY LITTER OR DEBRIS.
3. TEMPORARY SOIL MATERIAL STOCKPILES SHALL BE SURROUNDED WITH SILTATION BARRIER ON THE DOWNGRADIENT SIDE TO PREVENT DISCHARGE OF SEDIMENT FROM SITE. MATERIAL STOCKPILES THAT ARE IN PLACE FOR AN EXTENDED PERIOD OF TIME SHALL BE STABILIZED WITH VEGETATION, MULCHING, EROSION CONTROL BLANKETS, AND OTHER MEASURES THAT ARE NECESSARY TO PREVENT THE DISCHARGE OF SEDIMENT FROM THE PROJECT SITE.
4. IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT MUST BE REMOVED AT A FREQUENCY SUFFICIENT TO MINIMIZE OFF-SITE IMPACTS.
5. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE.
6. PROVIDE ALL EROSION AND SEDIMENT CONTROL MEASURES SHOWN, SPECIFIED, REQUIRED BY PERMIT, AND/OR REQUIRED BY THE ENGINEER PRIOR TO ANY CONSTRUCTION OR IMMEDIATELY UPON REQUEST. MAINTAIN SUCH CONTROL MEASURES UNTIL FINAL SURFACE TREATMENTS ARE IN PLACE AND/OR UNTIL PERMANENT VEGETATION IS ESTABLISHED. INSPECT AFTER EACH RAINSTORM AND DURING MAJOR STORM EVENTS TO CONFIRM THAT ALL SEDIMENTATION AND EROSION CONTROL MEASURES REQUIRED ARE IN PLACE AND EFFECTIVE.
7. PRIOR TO STARTING WORK, CLEARLY MARK WORK LIMITS. DO NOT DISTURB THE AREA BEYOND THE PROPOSED LIMITS. COORDINATE WITH THE ENGINEER FOR LOCATIONS OF TEMPORARY STOCKPILING OF TOPSOIL DURING CONSTRUCTION.
8. INSTALL SILT SACKS OR OTHER APPROVED SEDIMENTATION BARRIERS IN ALL CATCH BASINS IN THE PROJECT AREA.
9. COMPACT, STABILIZE, AND LOAM AND SEED SIDE SLOPES, SHOULDER AREAS AND DISTURBED VEGETATED AREAS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND AS REQUIRED BY PERMITS. GRADE SIDE SLOPES, SHOULDER AREAS AND DISTURBED VEGETATED AREAS TO A MAXIMUM SLOPE OF 3 HORIZONTAL TO 1 VERTICAL (3H:1V), WHERE POSSIBLE PROVIDE BIODEGRADABLE EROSION CONTROL

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BLANKETS TO PREVENT EROSION WHERE SLOPES ARE STEEPER THAN 3H:1V.
10. REMOVE AND PROPERLY DISPOSE OF SILT TRAPPED AT BARRIERS IN UPLAND AREAS OUTSIDE BUFFER ZONES. REMOVE MATERIALS DEPOSITED IN ANY TEMPORARY SETTLING BASINS AT THE COMPLETION OF THE PROJECT. RESTORE ALL DISTURBED AREAS TO THEIR PRE-CONSTRUCTION CONDITION.
11. SWEEP, COLLECT, REMOVE AND DISPOSE OF ANY SEDIMENT TRACKED ONTO PUBLIC RIGHT-OF-WAYS AT THE END OF EACH DAY.
12. ALL HYDRAULIC EQUIPMENT SHALL UTILIZE BIODEGRADABLE, VEGETABLE BASED, NON-TOXIC AND NON-POLLUTING HYDRAULIC FLUID.
13. STORE FUEL, OIL, PAINT, OR OTHER HAZARDOUS MATERIALS IN A SECONDARY CONTAINER AND REMOVE TO A SECURE LOCKED AND COVERED AREA DURING NON-WORK HOURS.
14. PROVIDE A SUPPLY OF ABSORBENT SPILL RESPONSE MATERIALS SUCH AS BOOMS, BLANKETS, AND OIL ABSORBENT MATERIALS AT THE CONSTRUCTION SITE AT ALL TIMES TO CLEAN UP POTENTIAL SPILLS OF HAZARDOUS MATERIALS. IMMEDIATELY REPORT SPILLS OF HAZARDOUS MATERIALS TO THE STATE ENVIRONMENTAL AGENCY AND THE MUNICIPALITY WHERE THE WORK IS OCCURRING.
GENERAL EARTHWORK
1. EXCAVATION SLOPE GEOMETRY AND THE PROTECTION OF THE EXISTING UTILITIES AND STRUCTURES ADJACENT TO THE WORK AREA IS THE CONTRACTOR'S RESPONSIBILITY. PRIOR TO EXCAVATION, SAWCUT THE EXISTING ASPHALT PAVEMENT WITHIN THE APPROXIMATE LIMITS OF THE EXCAVATION TO PROVIDE A CLEAN AND STRAIGHT LINE FOR SURFACE RESTORATION.
2. THE EXCAVATION BOTTOM SHALL BE CAREFULLY SHAPED TO CONFORM TO THE SHAPE OF THE FOUNDATION. THE PREPARED EXCAVATION BOTTOM SHALL BE FREE OF ORGANIC MATERIAL, LARGE STONES OR BOULDERS, AND SIMILAR OBJECTS/MATERIALS.
3. THE BOTTOM OF EXCAVATION AND/OR REMOVAL OF WATER TABLE MATERIAL SHALL BE INSPECTED BY THE ENGINEER PRIOR TO PLACEMENT OF STRUCTURAL FILL AND/OR CONCRETE WORK.
4. PLACE AND COMPACT BACKFILL TO A DENSITY EQUAL TO THE UNDISTURBED EXCAVATION BOTTOM FROM THE BOTTOM OF THE EXCAVATION TO FOUNDATION BOTTOM ELEVATION, AND AS INDICATED IN THE SPECIFICATIONS AND DETAILS
5. EXCAVATION SHORING SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED. SUBMITTALS SHALL BE APPROVED BY THE ENGINEER PRIOR TO EXCAVATION.
6. FOUNDATION MATERIAL SHALL BE EXCAVATED ONSITE GRANULAR MATERIAL, FREE FROM STONES, ROOTS, AND ORGANIC MATERIAL, AND OF SUITABLE GRADATION FOR SATISFACTORY COMPACTION. IF EXCAVATED MATERIAL AT A PARTICULAR LOCATION IS NOT AVAILABLE (SEE SECTION, MATERIAL HANDLING) OR IS NOT SATISFACTORY, USE IMPORTED GRANULAR MATERIAL CONFORMING TO CONTRACT SPECIFICATIONS.
7. ALL FOUNDATIONS AND SLABS ARE TO BEAR ON UNFROZEN, UNDISTURBED MATERIAL OR UNFROZEN ENGINEERED COMPACTED FILL. IT IS THE CONTRACTORS RESPONSIBILITY TO ASSURE THAT THE SOILS BELOW THE FOOTINGS REMAIN UNFROZEN.
8. ALL COMPACTED FOUNDATION SUB-GRADE FILL MATERIALS SHALL BE FREE OF ORGANIC MATERIAL AND BE COMPACTED TO A MINIMUM OF 98% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698, AND OBTAIN A MINIMUM ALLOWABLE BEARING PRESSURE AS SET FORTH ABOVE.
9. SITE TO BE GRADED SMOOTHLY AND EVENLY IN ACCORDANCE WITH THE DESIGN PLANS. CONTRACTOR IS RESPONSIBLE FOR ENSURING A POSITIVE DRAINAGE FLOW TO ALL DRAINAGE INLETS WITHOUT CREATING ANY FLAT SPOTS THAT WILL RESULT IN STANDING WATER.
EARTHWORK MATERIALS
1. GRAVEL BORROW, SHALL BE M1.03.0 TYPE B AS SPECIFIED IN THE STANDARD SPECIFICATIONS SECTION M1030: GRAVEL BORROW.
2. CRUSHED STONE, SHALL BE M2.01.4 PER TABLE M2.01.0-1 AS SPECIFIED IN THE STANDARD SPECIFICATIONS SECTION M2.01.0: CRUSHED STONE.
3. PROCESSED GRAVEL BASE, SHALL BE M1.03.1: PROCESSED GRAVEL FOR SUB-BASE AS SPECIFIED IN THE STANDARD SPECIFICATIONS.
4. DENSE SUB-BASE SHALL BE M.2.01.7: DENSE GRADED CRUSHED STONE FOR SUB-BASE AS SPECIFIED IN THE STANDARD SPECIFICATIONS.
5. BITUMINOUS PAVEMENT MATERIALS REFERENCED IN TYPICAL DETAILS SHALL BE IN COMPLIANCE WITH THE MATERIALS SPECIFIED IN SECTION M3: ASPHALTIC MATERIALS IN THE STANDARD SPECIFICATIONS.
CONCRETE NOTES
1. ALL CONCRETE WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
A. THE STANDARD SPECIFICATIONS TO DATE.
B. THE AMERICAN CONCRETE INSTITUTE (ACI) "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"; ACI 318-08.
2. CONCRETE SHALL BE PROPORTIONED, MIXED AND PLACED UNDER THE SUPERVISION OF THE APPROVED TESTING AGENCY.
3. ALL CONCRETE MIX DESIGNS SHALL BE SIMILAR TO THAT PROVIDED AND APPROVED BY MassDOT. VARIATIONS IN THE MIX DESIGN SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. CONCRETE USED IN PRECAST MEMBERS SHALL CONFORM WITH M4.06.01 (HIGH PERFORMANCE CEMENT CONCRETE):
A. 28-DAY STRENGTH = 5,000 PSI
B. MINIMUM CEMENT PER CY OF CONCRETE = 685 LBS
C. AIR ENTRAINMENT 6.5±1.5%
D. SILICA FUME 0± 1% (DRY WEIGHT)
E. MAXIMUM WATER/CEMENT RATIO = 0.40
F. SLUMP = 2 TO 5 IN (TARGET = 4 IN)
G. MAXIMUM SIZE COARSE AGGREGATE = 3/4"
4. ALL CONCRETE SHALL BE AIR-ENTRAINED TO 6.5± 1.5%.
5. CONCRETE SHALL BE CURED FOR A MINIMUM OF SEVEN DAYS BEFORE ANY LOADS ARE APPLIED THERETO.
6. PROVIDE A STEEL TROWELED FINISH FOR SLABS-ON-GRADE AND A BROOM FINISH FOR EXTERIOR SLABS.
7. ALL CONCRETE SHALL BE PLACED IN THE DRY.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULFILLING THE TESTING REQUIREMENTS FOR ALL CONCRETE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
9. DURING COLD WEATHER CONDITIONS ADEQUATE EQUIPMENT SHALL BE PROVIDED FOR HEATING CONCRETE MATERIALS AND PROTECTING CONCRETE DURING FREEZING OR NEAR FREEZING WEATHER.
10. DURING HOT WEATHER CONDITIONS, ATTENTION SHALL BE GIVEN TO INGREDIENTS, PRODUCTION METHODS, HANDLING, PLACING, PROTECTION, AND CURING TO PREVENT EXCESSIVE CONCRETE TEMPERATURES OR WATER EVAPORATION THAT WOULD IMPAIR REQUIRED STRENGTH OR SERVICEABILITY OF THE STRUCTURE.
11. ALL EQUIPMENT ANCHOR BOLTS FURNISHED BY EQUIPMENT MANUFACTURER ARE TO BE INSTALLED BY THE CONTRACTOR, AND SHALL BE STAINLESS STEEL OR HOT-DIPPED GALVANIZED AS REQUIRED.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING CONCRETE MIX DESIGNS AND SPECIFICATION SHEETS FOR ALL ADMIXTURES FOR APPROVAL BY THE ENGINEER PRIOR TO THE PLACEMENT OF ANY CONCRETE.
PLANTING NOTES
1. ALL EXISTING UN-VEGETATED AREAS AND ALL AREAS DISTURBED BY THE PROPOSED CONSTRUCTION WORK LOCATED WITHIN THE LIMITS OF WORK SHOWN ON THE PLANS SHALL BE RE-VEGETATED WITH INDIGENOUS, SALT TOLERANT PLANTINGS TO ENSURE THE ONGOING STABILITY OF THE ROADWAY EMBANKMENT IN THESE AREAS.

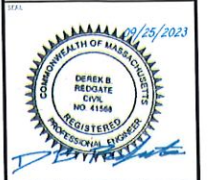
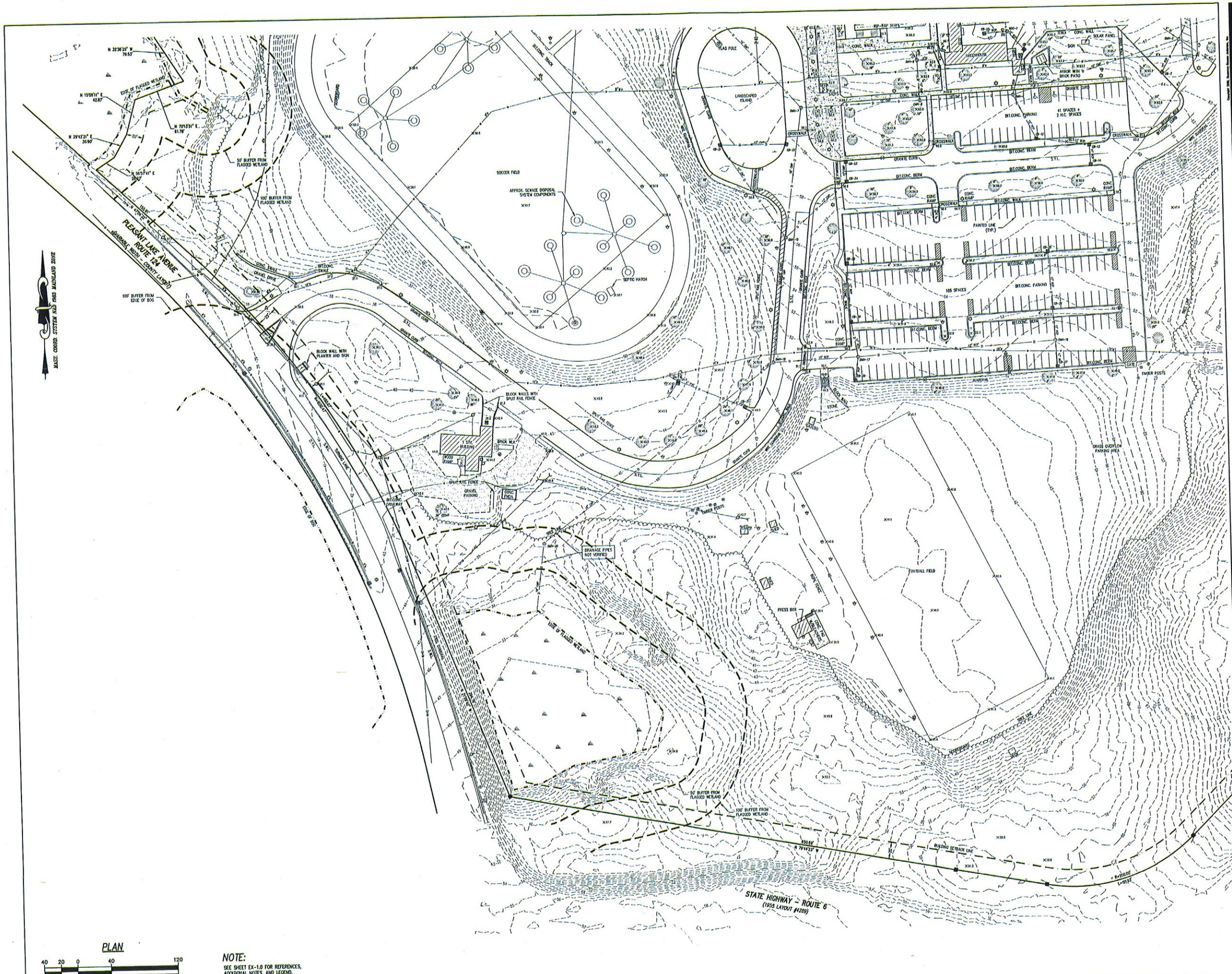


Table with columns for DATE, DESCRIPTION, REV, and CHK. Includes entries for 2023-08-22, MDC, DBR, C12500.09, DESIGN DEVELOPMENT (DD), and G-002.

YMCA OF CAPE COD
GILMORE HOUSE
351 PLEASANT LAKE AVE
HARWICH, MA 02645

Project information including date (2023-08-22), drawing title (G-002), and sheet number (SHEET 02 OF 12).





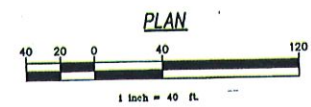
351 PLEASANT LAKE AVENUE, HARWICH, MASSACHUSETTS

**DATA ACCUMULATION PLAN**

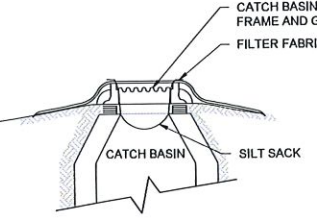
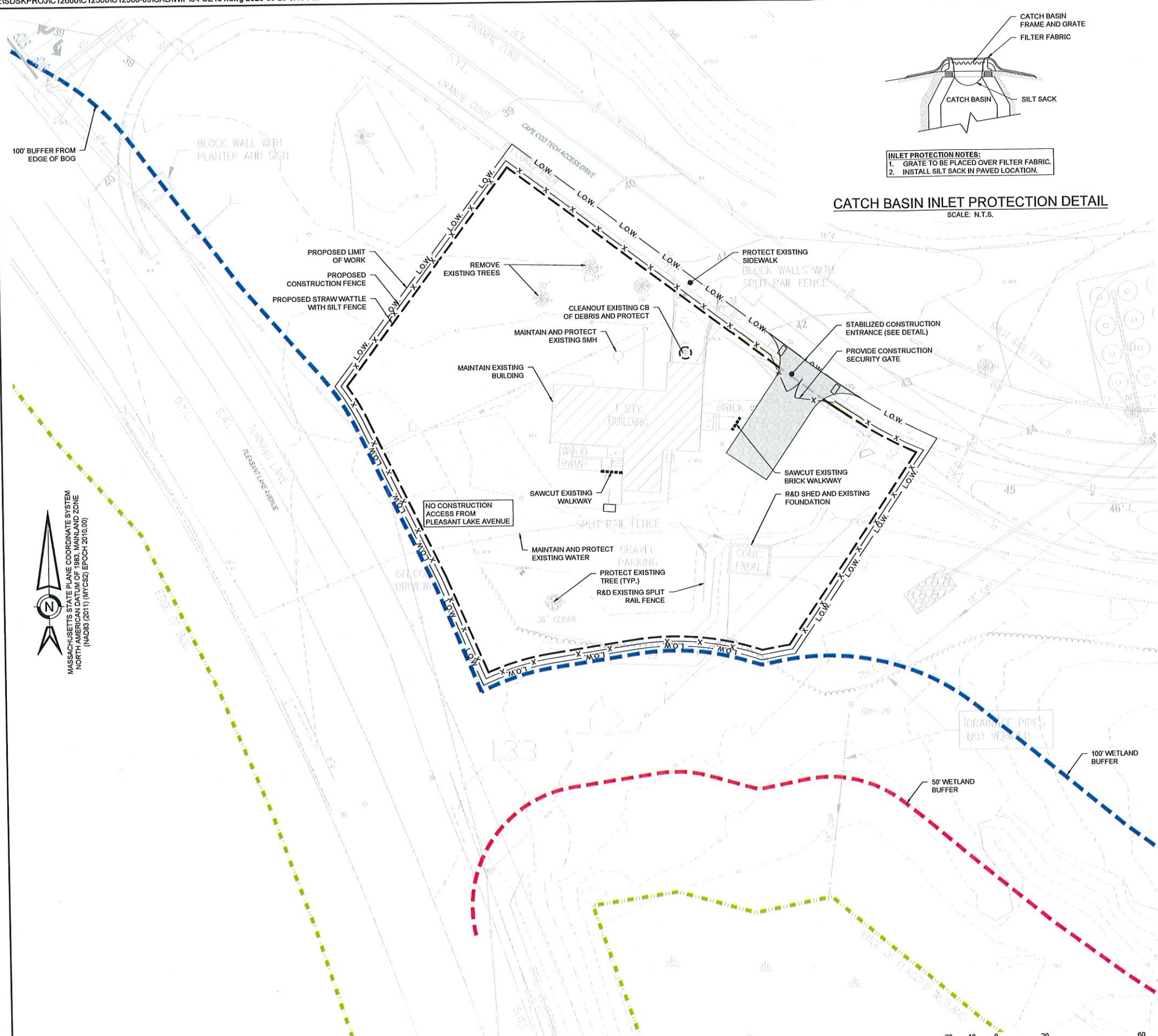
**EX-1.1**

Scale: AS NOTED  
 Job No.: 12500.03  
 Drawn By: JLH  
 Date: Sept 30, 2016  
 Rev: Feb 8, 2017

**NOTE:**  
 SEE SHEET EX-1.0 FOR REFERENCES,  
 ADDITIONAL NOTES, AND LEGEND.







INLET PROTECTION NOTES:  
1. GRATE TO BE PLACED OVER FILTER FABRIC.  
2. INSTALL SILT SACK IN PAVED LOCATION.

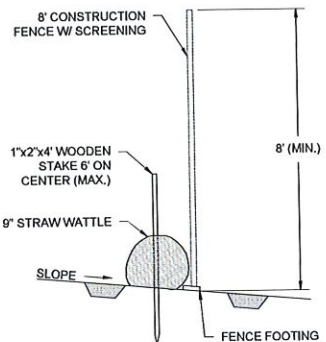
### CATCH BASIN INLET PROTECTION DETAIL

SCALE: N.T.S.

NOTES:  
1. THE LOCATION OF THE STABILIZED CONSTRUCTION ENTRANCE/EXIT TO BE SPECIFIED PRIOR TO COMMENCEMENT OF CONSTRUCTION.  
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.  
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

### STABILIZED CONSTRUCTION ENTRANCE DETAIL

SCALE: N.T.S.



NOTES:  
1. SILTATION BARRIER SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND MAINTAINED UNTIL RE-VEGETATION OF AREA DISTURBED BY CONSTRUCTION.  
2. AREAS DISTURBED BY CONSTRUCTION SHALL BE RE-VEGETATED PRIOR TO COMPLETION OF PROJECT.  
3. SEDIMENT SHALL BE REMOVED FROM BARRIER WHEN DEPTH EXCEEDS 1/3 THE HEIGHT OF THE STRAWBALE.

### EROSION CONTROL CONSTRUCTION FENCE DETAIL

SCALE: N.T.S.

#### CONSTRUCTION SEQUENCE - SITE WORK:

- AREA HIGHLIGHTED TO BE CLEARED AND GRUBBED. THE CONTRACTOR SHALL EMPLOY DUST CONTROL METHODS AND MATERIALS AT ALL TIMES USING SPRINKLED WATER OR OTHER APPROVED MEANS. DO NOT USE OIL OR SIMILAR PENETRANTS. CHEMICAL MATERIALS MAY NOT BE USED ON SUB-GRADES OF AREAS TO BE SEEDED OR PLANTED.
- INSTALL PERIMETER LIMIT OF WORK CONSTRUCTION FENCE AND SEDIMENTATION BARRIER AS INDICATED ON PLAN. PROTECT EXISTING DRAINAGE INLETS WITHIN AND ADJACENT TO CONSTRUCTION AREA.
- INSTALL VEHICLE TRACK PAD AT ENTRANCE.
- LOCATE AREAS OF MATERIALS STORAGE & STOCKPILE. SURROUND MATERIAL STOCKPILES WITH EROSION CONTROL BARRIER.
- MAINTAIN EROSION CONTROL BARRIERS, VEHICLE TRACK PAD, AND INLET PROTECTION THROUGHOUT CONSTRUCTION.
- ROUGH GRADE SITE.
- INSTALL TEMPORARY CONSTRUCTION PERIOD RUNOFF MANAGEMENT SWALES.
- GRADE PROPOSED DRIVEWAY AND PARKING.
- INSTALL DRAINAGE SYSTEM, AND SITE UTILITIES.
- INSTALL BITUMINOUS CONCRETE BINDER COURSE IN DRIVEWAY AND PARKING AREA.
- INSTALL CURBING AND SIDEWALKS.
- STABILIZE & VEGETATE DISTURBED AREA.

#### EXISTING UTILITY NOTES:

- SEWER - MAINTAIN AND PROTECT EXISTING SEWER FOR RE-USE.
- WATER - MAINTAIN AND PROTECT EXISTING WATER FOR RE-USE.
- ELECTRIC - MAINTAIN AND PROTECT EXISTING ELECTRIC FOR RE-USE.
- GAS - MAINTAIN AND PROTECT EXISTING GAS FOR RE-USE.

#### EXISTING UTILITY NOTES:

- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION CONTROL AND PROTECTION OF DRAINAGE STRUCTURES UNTIL COMPLETION OF SITEWORK AND ESTABLISHMENT OF VEGETATIVE GROUND COVER.
- THE CONTRACTOR SHALL PRACTICE GOOD HOUSEKEEPING MEASURES DURING THE DAY TO DAY OPERATION AT THE SITE. THE SITE SHOULD BE POLICED DAILY TO REMOVE ANY LITTER OR DEBRIS.
- PRIOR TO CONSTRUCTION, INSTALL PERIMETER SEDIMENT BARRIER IN LOCATION(S) SHOWN ON PLAN. SEDIMENT BARRIER TO BE DOUBLE-STAKED STRAW BALES WITH SILT FENCE OR 12" STAKED COIR LOGS/SILT SOCK.
- TEMPORARY SOIL MATERIAL STOCKPILES SHALL BE SURROUNDED WITH SILTATION BARRIER ON THE DOWNGRADIENT SIDE TO PREVENT DISCHARGE OF SEDIMENT FROM SITE. MATERIAL STOCKPILES THAT ARE IN PLACE FOR AN EXTENDED PERIOD OF TIME SHALL BE STABILIZED WITH VEGETATION, MULCHING, EROSION CONTROL BLANKETS, AND OTHER MEASURES THAT ARE NECESSARY TO PREVENT THE DISCHARGE OF SEDIMENT FROM THE PROJECT SITE.
- IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT MUST BE REMOVED AT A FREQUENCY SUFFICIENT TO MINIMIZE OFF-SITE IMPACTS.
- LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE.
- EXCEPT AS PROVIDED BELOW, STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
  - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
  - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- FOR SLOPES LESS THAN OR EQUAL TO 2H/1V, IF EXPOSED SLOPES CAN NOT BE STABILIZED WITH HYDROSEEDING/VEGETATION, NORTH AMERICAN GREEN SCIOSBN (OR ENGINEERING APPROVED EQUAL) EROSION CONTROL BLANKETS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- FOR SLOPES > 2H/1V, < 1.5H/1V, (OR NORTH AMERICAN GREEN SC 150 BN, (OR ENGINEERING APPROVED EQUAL) EROSION CONTROL BLANKETS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.



MASSACHUSETTS STATE PLANE COORDINATE SYSTEM  
NORTH AMERICAN DATUM OF 1983, MAINLAND ZONE  
(NAD83 (2011) (MYCS2) EPOCH 2010.00)



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YMCA OF CAPE COD  
GILMORE HOUSE  
351 PLEASANT LAKE AVE  
HARWICH, MA 02645

REV	DATE	DESCRIPTION

EROSION AND SEDIMENTATION CONTROL PLAN

CE101



PARKING TABLE				
USE	REQUIRED	PROPOSED	MIN. REQUIRED	PROVIDED
SCHOOL, MUNICIPAL BUILDING, LIBRARY, CHARITABLE INSTITUTION OR SIMILAR USE	1 PER EMPLOYEE, PLUS 1 PER 3 SEATS IN AREA OF PUBLIC ASSEMBLY	2,745 S.F.	8 EMPLOYEES MAX. = 8 SPACES	12 SPACES
ACCESSIBLE STALLS	PER 15-25 STALLS, 1 MIN.	13 SPACES	1 ACCESSIBLE STALLS	2 ACCESSIBLE STALLS
TOTAL		2,745 S.F.	9 SPACES	14 SPACES

**ZONING TABLE - RESIDENTIAL-LIGHT DENSITY (R-L)**

USE: EDUCATIONAL, NON-PROFIT (USE ALLOWED IN R-L ZONE)	REQUIRED	EXISTING	PROPOSED
SUBJECT: ASSESSORS MAP 82, PARCEL A-1			
LOT AREA / CCT CAMPUS	40,000 S.F.	2,938,652 S.F.	2,938,652 S.F.
LOT FRONTAGE	150 FT.	910.65 FT.	910.65 FT.
FRONT YARD SETBACK	25 FT.	86± FT.	NO CHANGE
SIDE YARD SETBACK	20 FT.	510± FT.	NO CHANGE
REAR YARD SETBACK	20 FT.	N/A	N/A
MAXIMUM ALLOWED BUILDING HEIGHT	NO LIMIT [SEE SECTION 325-19(1)]	1-STORY	NO CHANGE
MAXIMUM ALLOWED BUILDING COVERAGE	15% OF TOTAL LOT AREA	7.72%	NO CHANGE
MAXIMUM ALLOWED SITE COVERAGE	30% OF TOTAL LOT AREA	30%	30%

\*YMCA DAY CARE WILL BE A LEASED FROM THE CAPE COD TECH CAMPUS. THE EXISTING BUILDING WILL REMAIN THE SAME SIZE.

**SEWAGE FLOW CALCULATIONS:**

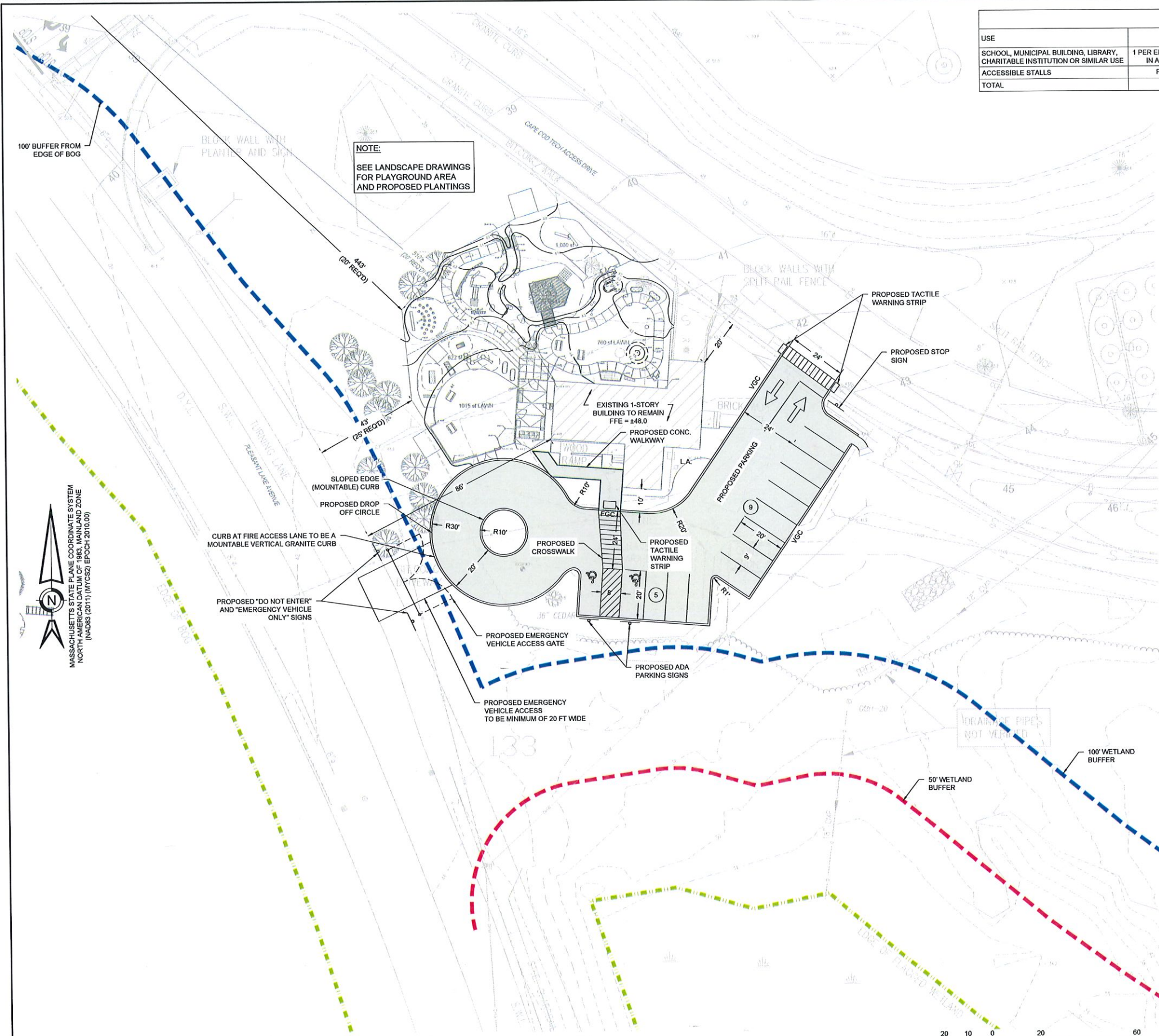
EXISTING EDUCATIONAL USE  
 EMPLOYEES: TBD MAX.  
 CHILDREN: TBD MAX.  
 TOTAL: TBD MAX.

EXISTING FLOW  
 TBD PEOPLE AT TBD GAL. PER DAY PER PERSON = TBD GPD

ANTICIPATED DAY CARE FACILITY  
 EMPLOYEES: 08 MAX.  
 CHILDREN: 36 MAX.  
 TOTAL: 44 MAX.

ESTIMATED DESIGN FLOW:  
 44 TOTAL PEOPLE AT 10 GAL. PER DAY PER PERSON = 440 GPD

\*EXISTING CONNECTION TO CAPE COD TECH SYSTEM IS ADEQUATE AND TO REMAIN.



NO.	DESCRIPTION	DATE	REV.	DATE	CHK.	DWN.

**YMCA OF CAPE COD  
 GILMORE HOUSE**  
 351 PLEASANT LAKE AVE  
 HARWICH, MA 02645

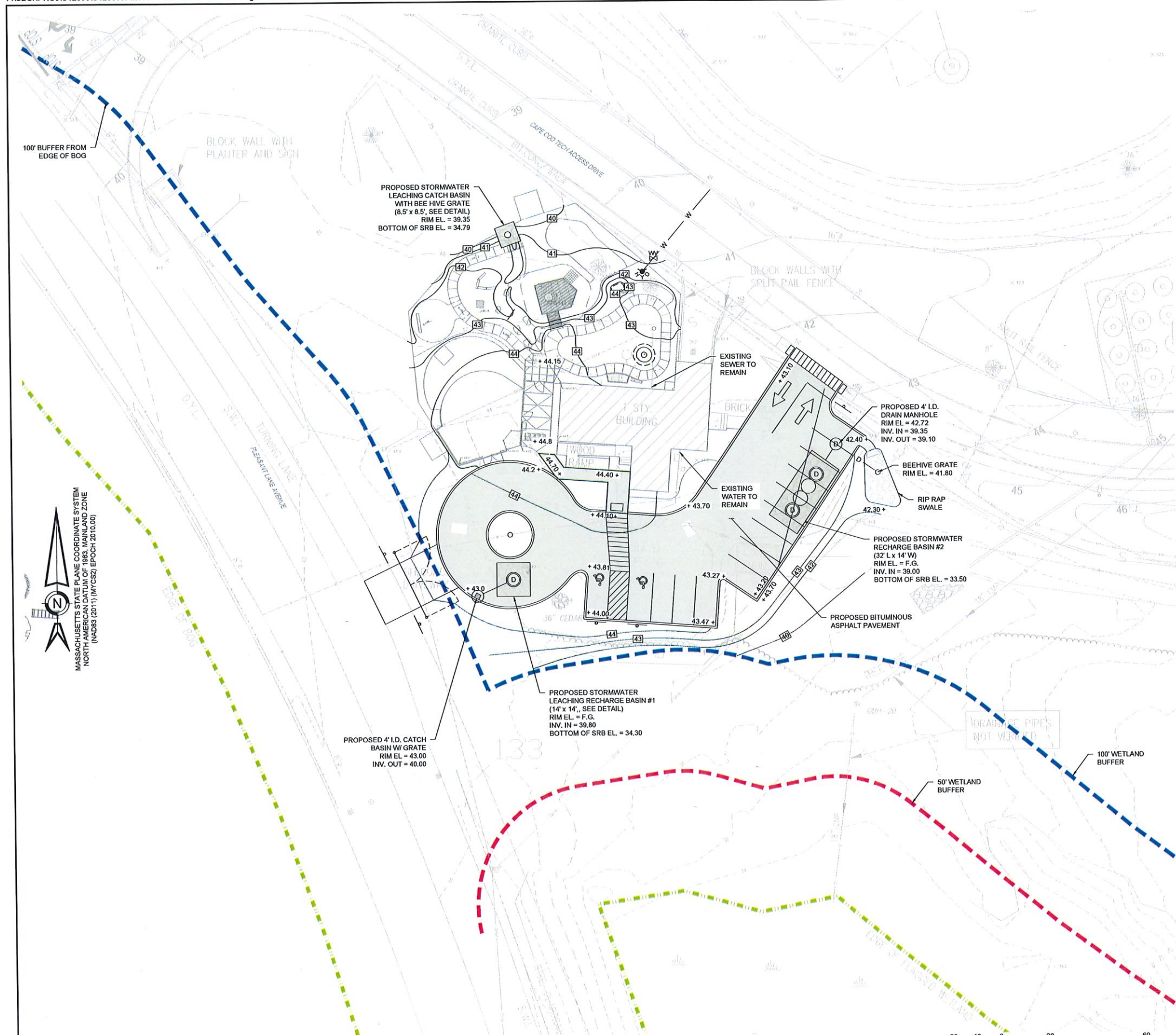
DATE:	2023-08-22
DRAWN BY:	MDC
CHECKED BY:	DBR
PROJECT NO.:	C.12500.09
DESIGN DEVELOPMENT (DD)	

**LAYOUT AND MATERIALS PLAN**

**CM101**

THIS DRAWING IS PREPARED FOR PERMITTING PURPOSES ONLY AND SHALL NOT BE USED FOR CONSTRUCTION. CONTRACTOR SHALL OBTAIN FINAL CONSTRUCTION DETAILS FROM THE ENGINEER PRIOR TO PREPARATION OF CONSTRUCTION BID AND BEFORE BEGINNING ANY WORK.

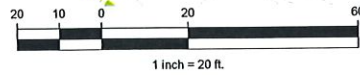




PLAYGROUND GRADING NOTE:  
SEE LANDSCAPE PLANS FOR  
DETAILED GRADING OF  
PLAGROUND.

MASSACHUSETTS STATE PLANE COORDINATE SYSTEM  
NORTH AMERICAN DATUM OF 1983, MAINLAND ZONE  
(NAD83 (2011)) (NAD83 EPOCH 2010.00)

1 GRADING & DRAINAGE PLAN  
CG101 SCALE: 1" = 20'



THIS DRAWING IS PREPARED FOR PERMITTING PURPOSES  
ONLY AND SHALL NOT BE USED FOR CONSTRUCTION.  
CONTRACTOR SHALL OBTAIN FINAL CONSTRUCTION  
DETAILS FROM THE ENGINEER PRIOR TO PREPARATION OF  
CONSTRUCTION BID AND BEFORE BEGINNING ANY WORK.



REV	DATE	DESCRIPTION	CHK

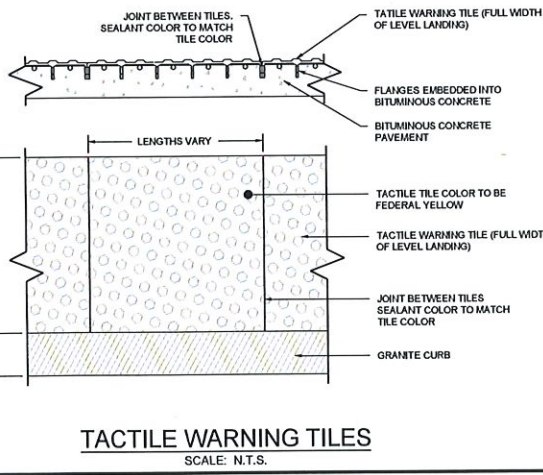
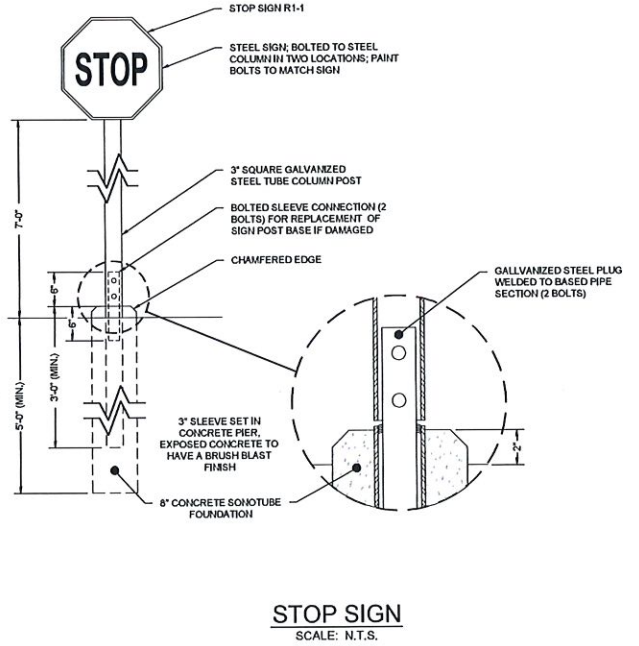
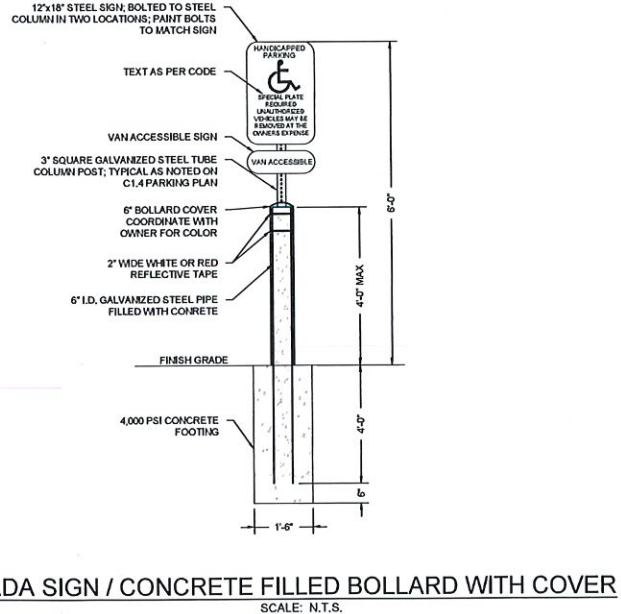
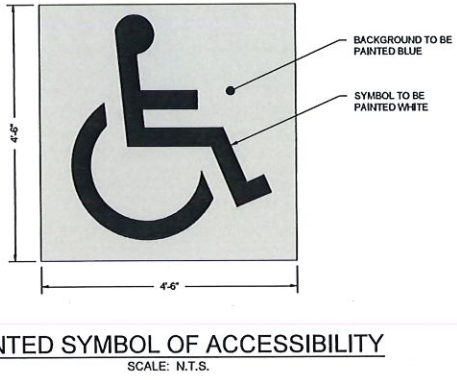
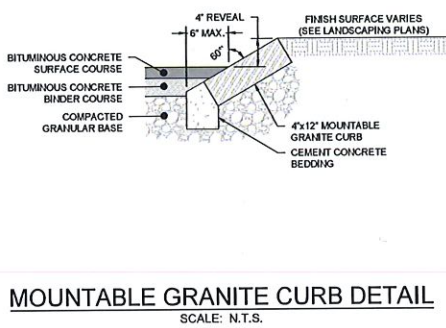
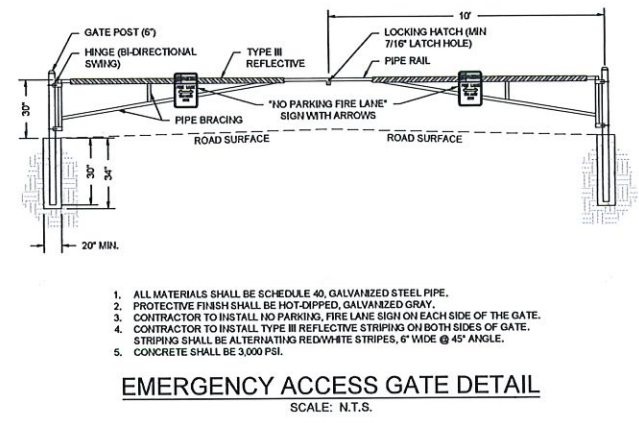
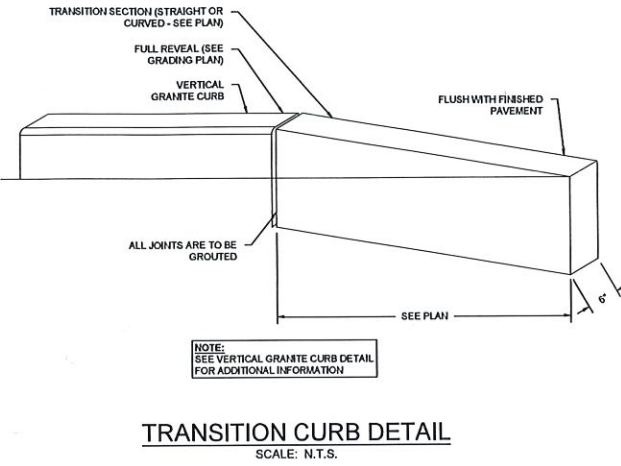
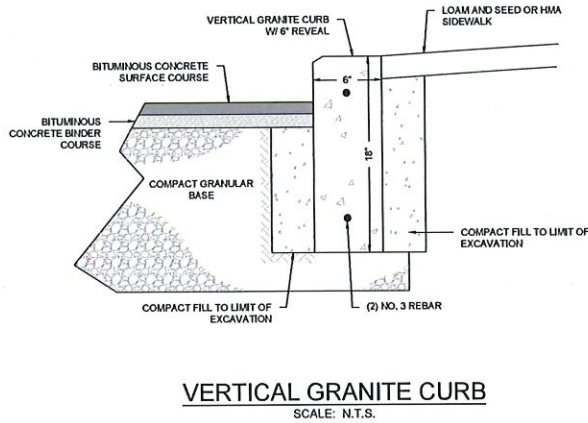
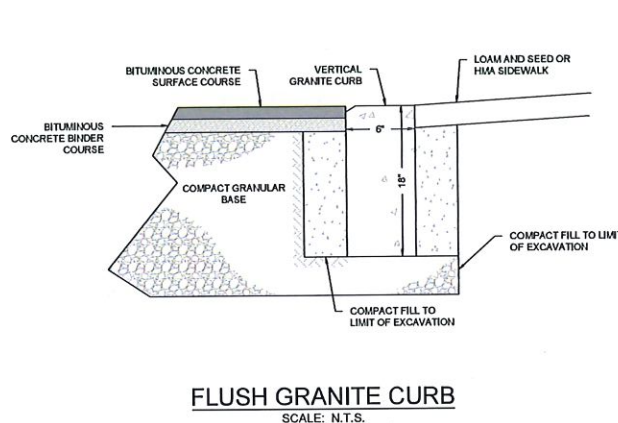
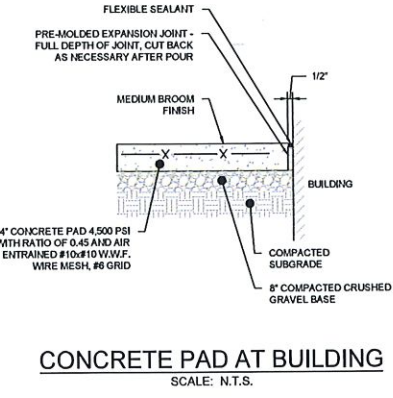
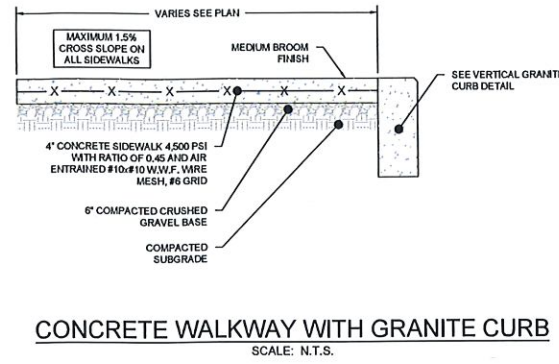
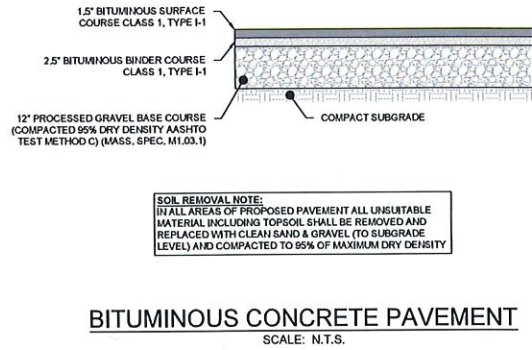
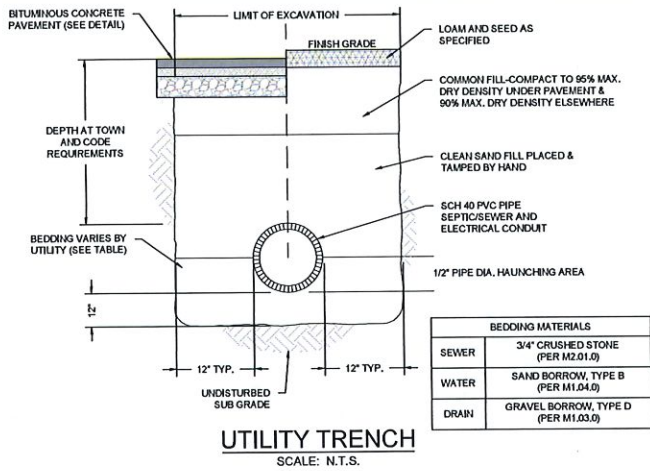
YMCA OF CAPE COD  
GILMORE HOUSE  
351 PLEASANT LAKE AVE  
HARWICH, MA 02645

DATE: 2023-08-22  
PROJECT NO: MDC DBR  
PROJECT STATUS: C12500.09  
DESIGN DEVELOPMENT (DD)

GRADING,  
DRAINAGE,  
AND UTILITY  
PLAN

CG101  
SHEET 06 OF 12





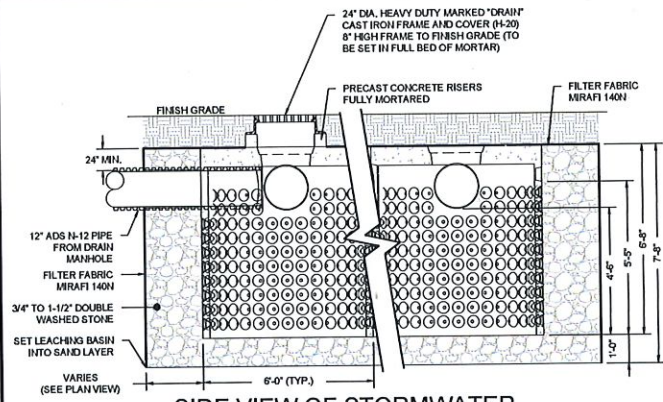
NO.	DESCRIPTION	DATE	REV	CHK	DWN

**YMCA OF CAPE COD  
GILMORE HOUSE**  
351 PLEASANT LAKE AVE  
HARWICH, MA 02645

DATE	2023-08-22
DRAWN BY	MDC
CHECKED BY	DBR
PROJECT NUMBER	C12500.09
PROJECT STATUS	DESIGN DEVELOPMENT (DD)
PROJECT DESCRIPTION	
<b>SITE DETAILS (SHEET 1)</b>	
SHEET NUMBER	<b>C-501</b>
SHEET 09 OF 12	

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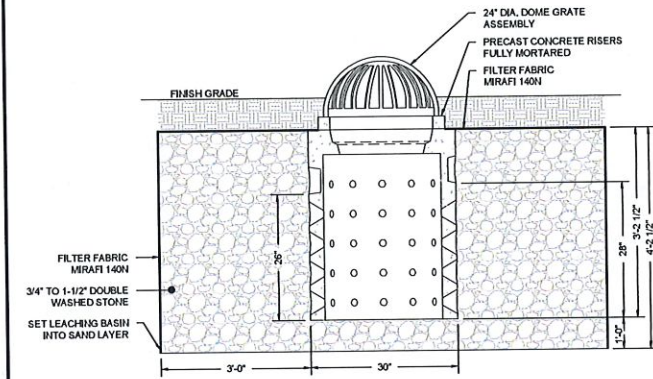




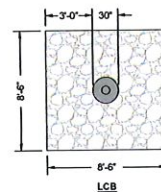
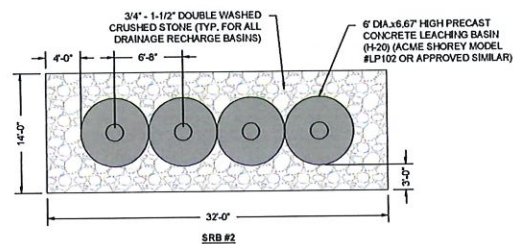
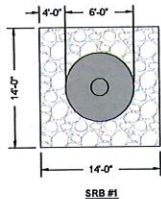
**SIDE VIEW OF STORMWATER RECHARGE BASINS (SRB) (H-20)**  
SCALE: N.T.S.

DRAINAGE STRUCTURE ELEVATION SCHEDULE					
STRUCTURE	SUMP EL.	INV. IN EL.	INV. OUT EL.	RIM EL.	DESCRIPTION
CB	35.50	-	43.00	43.00	CATCH BASIN
DMH	35.10	39.35	39.10	42.72	DRAINAGE MANHOLE

STORMWATER RECHARGE BASIN ELEVATION SCHEDULE					
STRUCTURE	BOTTOM OF STONE EL.	BOTTOM OF STRUCTURE EL.	INV. IN EL.	TOP OF STRUCTURE EL.	RIM EL.
SRB#1	34.30	35.30	39.60	41.97	FINISH GRADE
SRB#2	33.50	34.50	39.00	41.17	FINISH GRADE
LCB	34.79	25.79		39.00	39.35



**SIDE VIEW OF LEACHING CATCH BASINS (LCB) (H-20)**  
SCALE: N.T.S.



SEE DRAINAGE SCHEDULE FOR DEPTHS

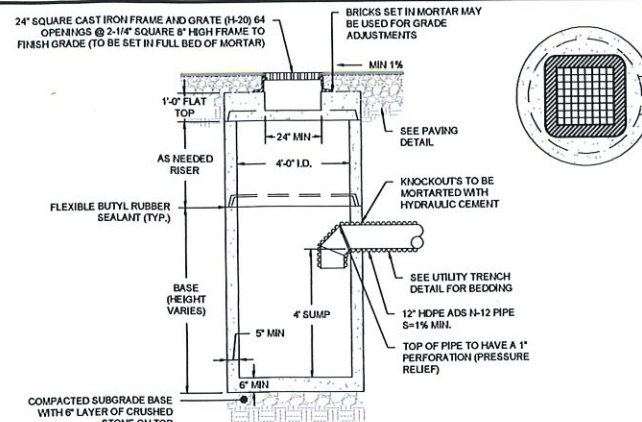
**PLAN VIEWS OF STORMWATER RECHARGE BASINS (H-20)**  
SCALE: N.T.S.

**PRECAST CONCRETE NOTES:**

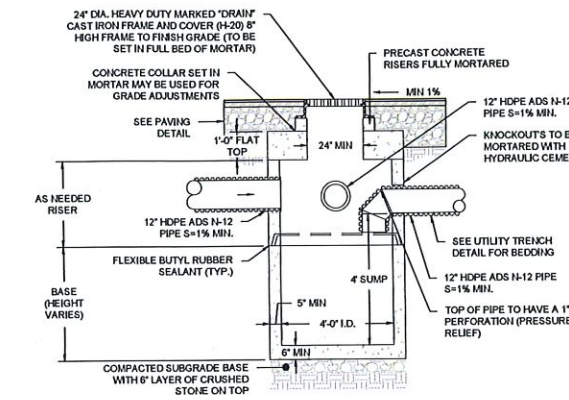
1. ALL REINFORCING STEEL MUST CONFORM TO THE LATEST ASTM A185 AND/OR A815 GRADE 60. SEE TABLE 1 FOR STEEL REINFORCEMENT REQUIREMENT.
2. STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MIN. OF 0.12 SQ. IN/LINEAL FT. (BOTH WAYS)
3. CATCH BASIN SPECS. CONFORM TO THE LATEST ASTM C478 SPEC. FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS".
4. MORTAR SHALL CONFORM TO SECTION M4.02.15 OF THE MASSACHUSETTS D.P.W. STANDARD SPECS. FOR HIGHWAYS AND BRIDGES.
5. PIPE TO CATCH BASIN CONNECTIONS SHALL BE MADE WITH NON-SHRINK GROUT OR HYDRAULIC CEMENT.
6. ONE POUR MONOLITHIC BASE SECTION.
7. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS, CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
8. RED CLAY BRICK SHALL CONFORM WITH SECTION M4.02.2 CLAY BRICK OF MASSACHUSETTS D.P.W. STANDARD SPECS. FOR HIGHWAY AND BRIDGES.
9. FILTER FABRIC SHALL BE SET UNDER CATCH BASIN GRATES TO PREVENT SILTATION TO THE BASINS UNTIL SITE HAS BEEN STABILIZED.

**INSPECTION NOTE:**

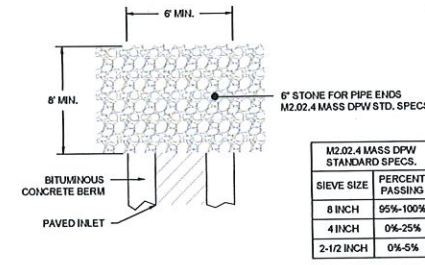
1. CONTRACTOR TO CONTACT ENGINEER FOR INSPECTION OF SOIL IN BOTTOM OF HOLE PRIOR TO SETTING DRAINAGE STONE COMPONENTS.
2. CONTRACTOR TO CONTACT ENGINEER FOR INSPECTION OF INSTALLED SYSTEM PRIOR TO BACKFILL.



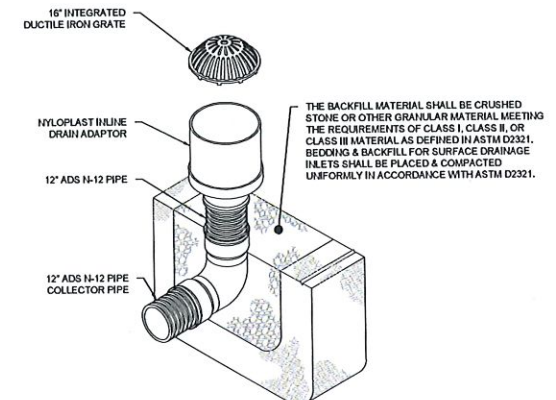
**PRECAST CONCRETE CATCH BASIN (CB)**  
SCALE: N.T.S.



**4' PRECAST CONCRETE MANHOLE (DMH) (H-20)**  
SCALE: N.T.S.



**RIP-RAP AT PAVED INLET (STONE DISSIPATOR)**  
SCALE: N.T.S.



**INLINE AREA DRAIN**  
SCALE: N.T.S.

**COASTAL**  
engineering co.

09/25/2023  
DERRICK B. REDGATE  
CIVIL  
NO. 41554  
REGISTERED  
PROFESSIONAL ENGINEER  
STATE OF MASSACHUSETTS

NO.	DESCRIPTION	DATE	REV	DATE	CHK	DWN

**YMCA OF CAPE COD  
GILMORE HOUSE**

351 PLEASANT LAKE AVE  
HARWICH, MA 02645

DATE	2023-08-22
DRAWN BY	MDC
CHECKED BY	DBR
PROJECT NUMBER	C12500.09
PROJECT STATUS	DESIGN DEVELOPMENT (DD)
SHEET DESCRIPTION	

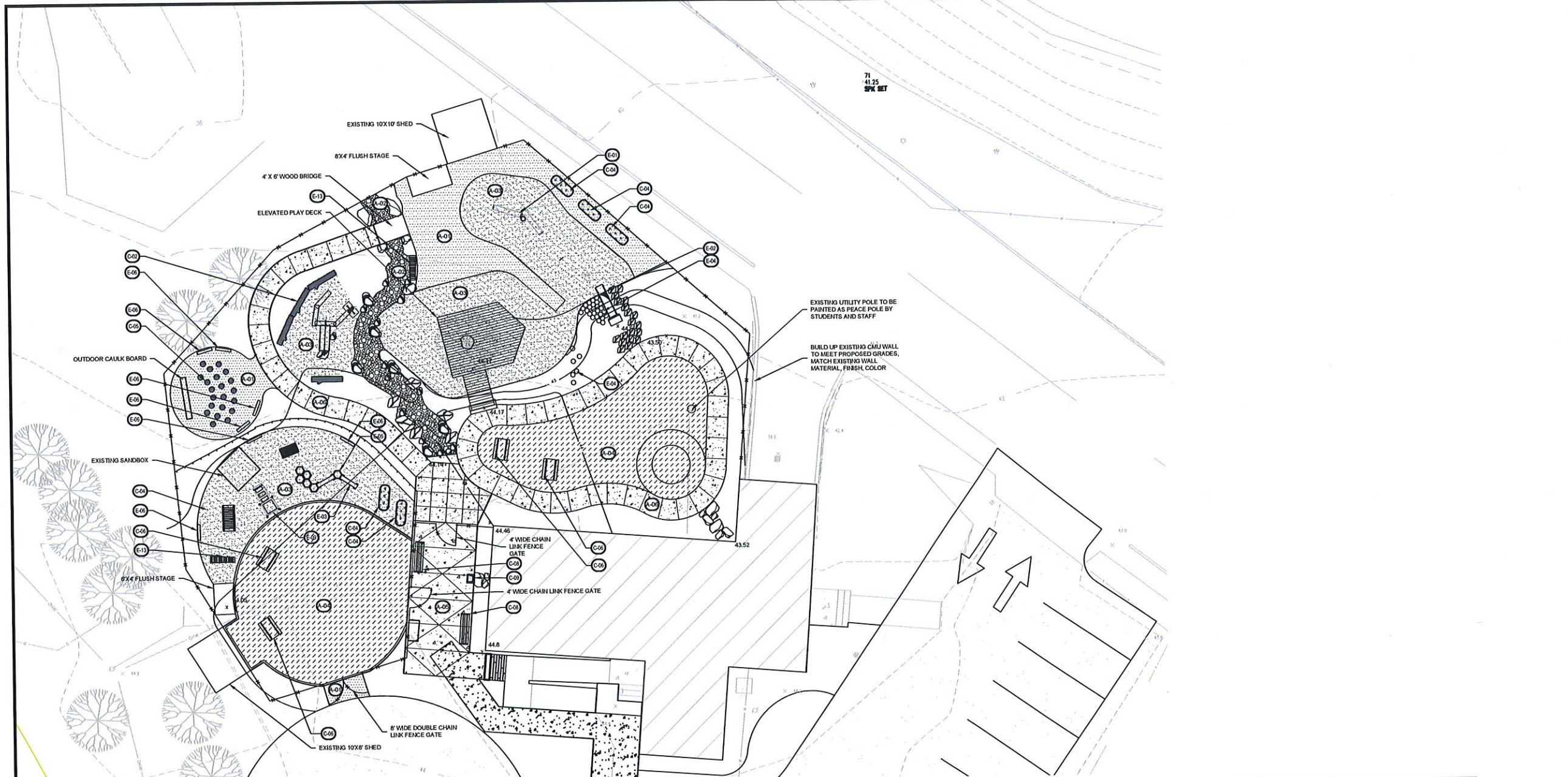
**SITE DETAILS  
(SHEET 2)**

**C-502**

SHEET NUMBER  
SHEET 10 OF 12

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REFERENCE NOTES SCHEDULE					
CODE	DESCRIPTION	MANUFACTURER	FINISH	COLOR	NOTES
<b>PAVING, SURFACE TREATMENTS</b>					
A-01	STABILIZED STONEDUST	EIN/ROBOND PRODUCTS CORP.		GREY	INSTALL PER MANUFACTURER'S RECOMMENDATIONS
A-02	2" - 4" ROUNDED RIVER STONE			NATURAL	
A-03	PLAY AREA SAND				
A-04	SYNTHETIC TURF	SYNLAWN PLAY PLATINUM		FIELD GREEN, APPLE, BEIGE	
A-05	CONCRETE, SEE CIVIL DWG'S				
A-06	INTEGRAL COLORED CONCRETE WITH IMPRINTS		LIGHT BROOM		
<b>FENCES + CURBS</b>					
B-01	4' HT. CHAIN LINK FENCE, BLACK VINYL COATED				
<b>FURNISHINGS</b>					
C-01	LARGE BOULDER		NATURAL, ROUNDED BOULDER	4' X 4'	
C-02	WHITE OAK LOG		WHITE OAK, PEELED AND SANDED	12" MIN. DIA. X 6'-8" LENGTH	PEELED AND SANDED
C-03	MEDIUM BOULDER			2' X 2'	
C-04	RAISED PLANTER	VEGO GARDEN	CORRUGATED STEEL	17" X 2' X 5'	ZINC COATED
C-05	12" STUMP SEATING		WHITE OAK OR BLACK LOCUST	12" 1/2" X 14"-18"	
C-06	TODDLER PICNIC TABLE	NATURE EXPLORE ITEM #7056	RED CEDAR	48" LONG	NATURAL
C-08	BACKLESS BENCH	DUMOR 271 BENCH, MODEL 271-60TR	STEEL FRAME WITH THERMALLY MODIFIED RED OAK SLAT	72" LENGTH	POWDER COATED STEEL
C-09	OUTDOOR SINK	ACORN ECO PORTABLE WASH-WARE	STAINLESS STEEL	18.75" X 16.75" X 34.125"	BLACK
<b>PLAY EQUIPMENT</b>					
E-01	LOG SCRAMBLE	COLUMBIA CASCADE	CLASSIC TIMBERFORM LOG SCRAMBLE 4000-304	DOUGLAS FIR	NATURAL
E-02	EMBANKMENT SLIDE	UPC PARKS	3' TALL X 6' LONG, SINGLE WIDTH, FLUSH ENTRY	CONCRETE	CONCRETE: FIESTA, STEEL: BIEGE
E-03	TODDLER BALANCE BEAM	COMMUNITY PLAY THINGS	4' HEIGHT	ACETYLATED WOOD	
E-04	LOG STEPPER	?			
E-05	TODDLER STEPPER	COMMUNITY PLAY THINGS	STARTER PLATFORM SET	WOOD	
E-06	ART EASEL	NATURAL PLAYGROUNDS COMPANY	ART EASEL	WOOD FRAME WITH CLEAR ACRYLIC PANEL	
E-09	CASCADE WATER TABLE	COMMUNITY PLAY THINGS	OUTLAST CASCADE	WOOD	
E-10	BUCKET WHEEL	RICHTER SPIELGERATE	5.15910	STAINLESS STEEL	
E-11	WATER TRAY	RICHTER SPIELGERATE	5.14400	STAINLESS STEEL	
E-12	PITCHER PUMP	NATURAL PLAYGROUNDS COMPANY	HPWP-HP	STAINLESS STEEL	
E-13	MARIMBA, SHORT	NATURE EXPLORE	7060		TO BE MOUNTED ON BOULDER

PROGRESS

GILMORE HOUSE

351 PLEASANT LAKE AVE.

IN  
HARWICH  
MASSACHUSETTS

MATERIALS PLAN

SEPTEMBER 2, 2022

REVISIONS	
#	DESCRIPTION

PREPARED FOR:  
YMCA CAPE COD  
100 INDEPENDENCE DRIVE, STE. 2  
HYANNIS, MA 02601

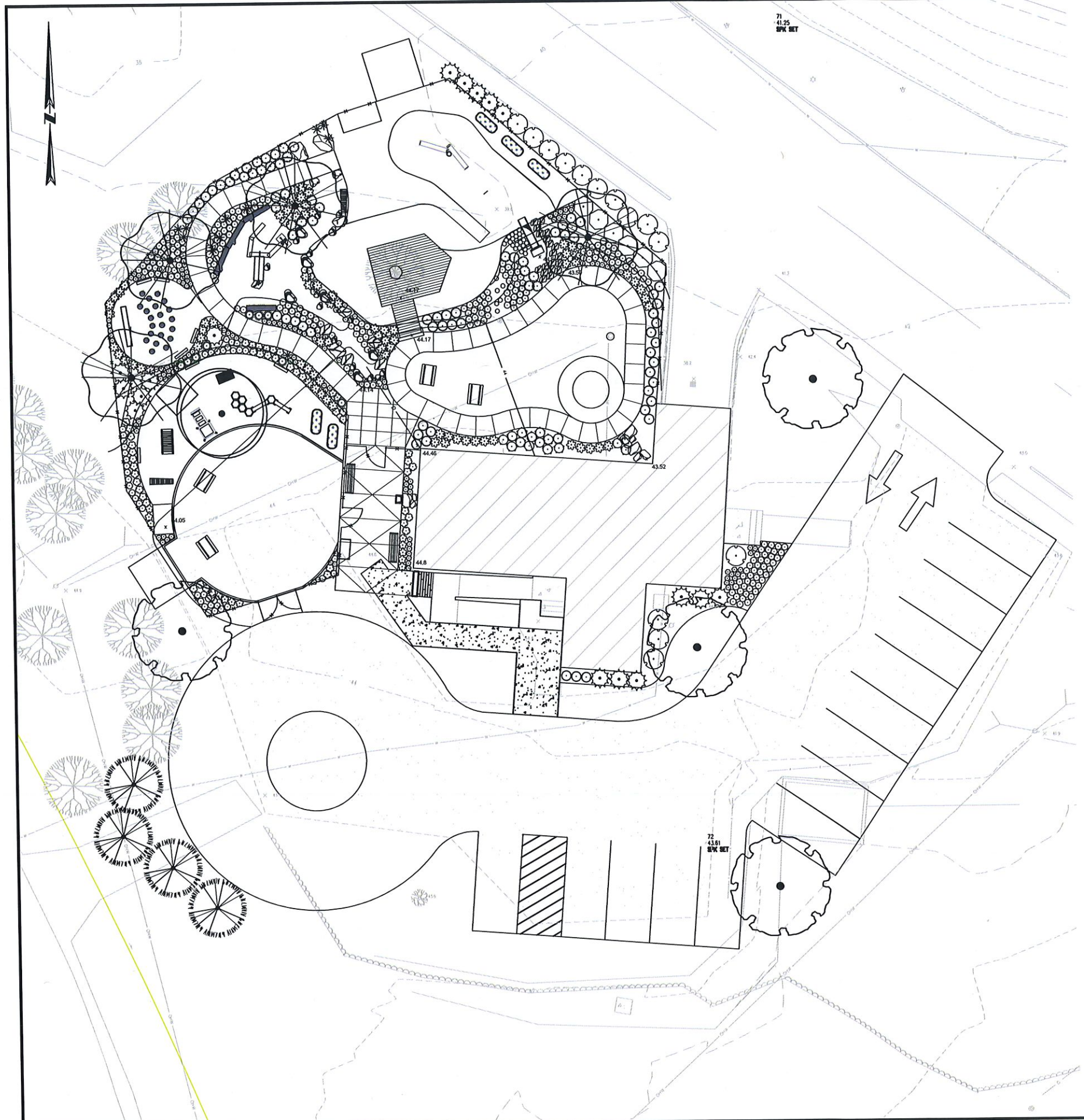
**BSC GROUP**  
655 Winding Brook Drive  
Glastonbury, Connecticut 06033  
860 652 8227

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SCALE: 1" = 10'  
0 5 10 20 FEET

FILE: 8385900-LM.DWG  
DWG. NO.:  
JOB. NO.: 83859.00

L-3.0





PLANT SCHEDULE

TREES	QTY	BOTANICAL / COMMON NAME	ROOT	SIZE	REMARKS
	4	ACER RUBRUM 'AUTUMN SPIRE' AUTUMN SPIRE RED MAPLE	B & B	2.5'CAL	
	4	BETULA PAPPYRIFERA 'VAREH' PRAIRIE DREAMS PAPER BIRCH	B & B	1.5'CAL	
	4	JUNIPERUS VIRGINIANA 'BROCKE' BROCKE EASTERN REDCEDAR	B & B	6-7 HT	
	1	QUERCUS COCCINEA SCARLET OAK	B & B	2.5'CAL	
SHRUBS	QTY	BOTANICAL / COMMON NAME	SIZE	SIZE	REMARKS
	48	CLETHRA ALABIFOLIA 'HUMMINGBIRD' HUMMINGBIRD SUMMERSWEET	#2		
	14	HYDRANGEA MACROPHYLLA LARGELEAF HYDRANGEA	#3		
	17	ILEX GLABRA 'COMPACTA' COMPACT INK BERRY	#2		
	6	MYRICA PENNSYLVANICA NORTHERN BAYBERRY	#2		
	60	VACCINIUM ANGUSTIFOLIUM 'BRUNSWICK' BRUNSWICK LOWBUSH BLUEBERRY	#1		
PERENNIALS/GRASSES	QTY	BOTANICAL / COMMON NAME	SIZE	SIZE	REMARKS
	32	AMMOPHILA BREVILOLATA AMERICAN BEACHGRASS	#1		
	276	ANDROPOGON SCOPARIUS LITTLE BLUESTEM	#1		
	11	ASCLEPIAS TUBEROSA BUTTERFLY MILKWEED	#1		
	20	ASTER AZUREUS SKY BLUE ASTER	4'POT		
	41	DESCHAMPSIA CESPITOSA TUFTED HAIR GRASS	#1		
	31	ECHINOPS RITRO 'PLATINUM BLUE' PLATINUM BLUE GLOBE THISTLE	4'POT		
	43	GEUM TRIFLORUM PRAIRIE SMOKE	4'POT		
	9	PEROVSKIA ATRIPLICIFOLIA 'DENIM 'N LACE' DENIM 'N LACE RUSSIAN SAGE	4'POT		
	16	PHLOX DIVARICATA 'BLUE PERFUME' BLUE PERFUME WOODLAND PHLOX	#1		
	36	RUDECKIA HIRTA FLAGIDA BLACK-EYED SUSAN	#1		
	15	SEDUM SPECTABILE 'BRILLIANT' BRILLIANT STONECROP	4'POT		

GILMORE HOUSE

351 PLEASANT LAKE AVE.

IN  
HARWICH  
MASSACHUSETTS

PLANTING PLAN

SEPTEMBER 2, 2022

REVISIONS:

#	DATE	DESCRIPTION

PREPARED FOR:  
YMCA CAPE COD  
100 INDEPENDENCE DRIVE, STE. 2  
HYANNIS, MA 02601

**BSC GROUP**  
655 Winding Brook Drive  
Glastonbury, Connecticut 06033  
860 652 8227

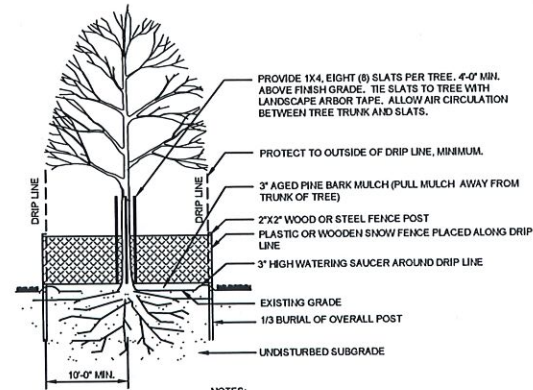
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SCALE: 1" = 10'  
0 5 10 20 FEET

FILE: 8385900-PLNT.DWG  
DWG. NO:  
JOB. NO: 83859.00

L-4.0

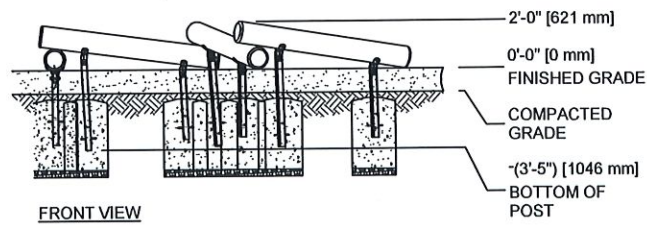
PROGRESS





- NOTES:
- COORDINATE LOCATION OF FENCE WITH PROJECT ENGINEER OR LANDSCAPE ARCHITECT.
  - IF EXCAVATION OCCURS WITHIN DRIP LINE, EXISTING ROOTS SHALL BE CLEANLY CUT PRIOR TO EXCAVATION BY A CERTIFIED ARBORIST AND TREES SHALL BE WATERED.

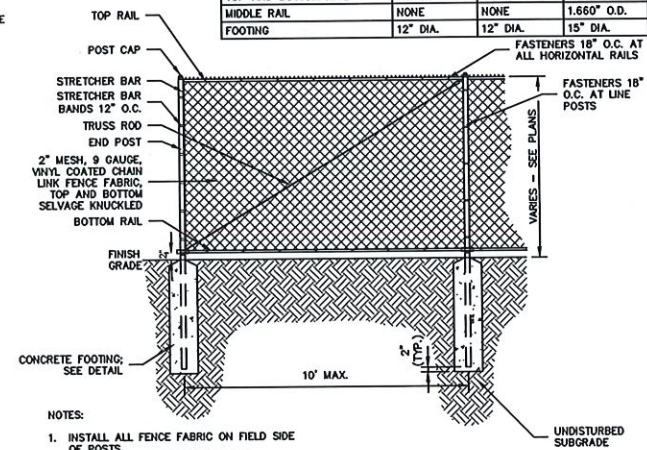
**1 EXISTING TREE PROTECTION**  
SCALE: NONE



FRONT VIEW

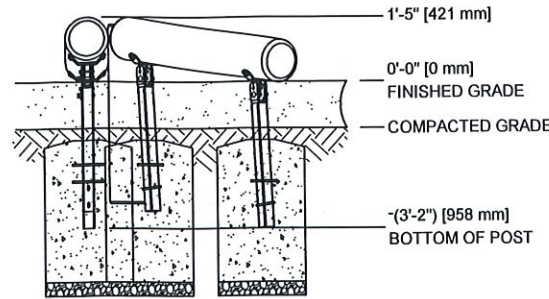
**2 LOG SCRAMBLE MODEL 4500-305**  
SCALE: NONE

CHAIN LINK FENCE FRAMEWORK SCHEDULE			
FABRIC HEIGHT	UP TO 4'	5' TO 6'	8' TO 10'
END, CORNER & PULL POST	2.375" O.D.	2.875" O.D.	3.5" O.D.
LINE POST	1.900" O.D.	2.375" O.D.	2.875" O.D.
TOP AND BOTTOM RAIL	1.660" O.D.	1.660" O.D.	1.660" O.D.
MIDDLE RAIL	NONE	NONE	1.660" O.D.
FOOTING	12" DIA.	12" DIA.	15" DIA.



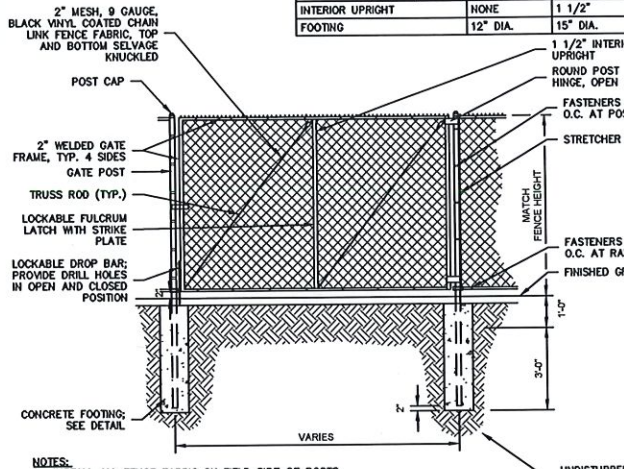
- NOTES:
- INSTALL ALL FENCE FABRIC ON FIELD SIDE OF POSTS.
  - ALL CHAIN LINK FENCE SHALL BE GROUNDED PER CHAIN LINK MANUFACTURERS RECOMMENDATIONS.

**6 CHAIN LINK FENCE**  
SCALE: NONE



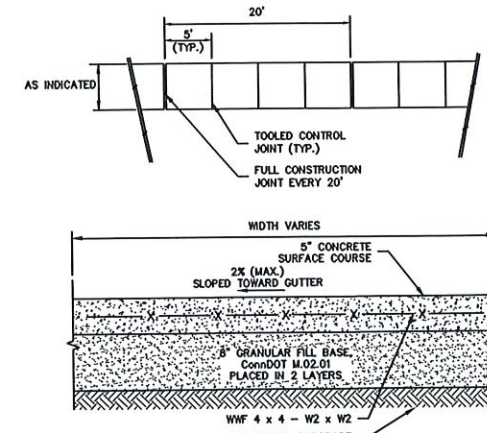
**3 LOG SCRAMBLE MODEL 4500-305 - 2**  
SCALE: NONE

CHAIN LINK GATE FRAMEWORK SCHEDULE			
GATE LEAF SINGLE LEAF	6'H OR LESS	>6'H - <12'H	
GATE POST	2.875" O.D.	4" O.D.	
GATE FRAME (4 SIDES)	1.875"	1.875"	
INTERIOR UPRIGHT	NONE	1 1/2"	
FOOTING	12" DIA.	15" DIA.	



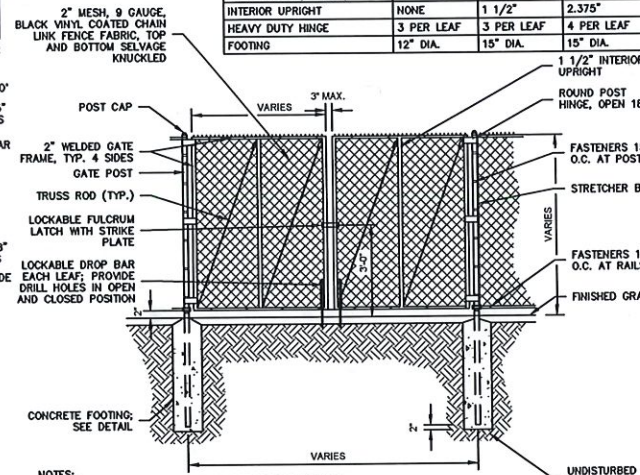
- NOTES:
- INSTALL ALL FENCE FABRIC ON FIELD SIDE OF POSTS.
  - ALL CHAIN LINK FENCE SHALL BE GROUNDED PER CHAIN LINK MANUFACTURERS RECOMMENDATIONS.

**7 CHAIN LINK FENCE GATE**  
SCALE: NONE



**4 CONCRETE SIDEWALK**  
SCALE: NONE

CHAIN LINK GATE FRAMEWORK SCHEDULE			
GATE LEAF DOUBLE LEAF	6'H OR LESS	>6'H - <12'H	12'H OR MORE
GATE POST	2.875" O.D.	4" O.D.	4" O.D.
GATE FRAME (4 SIDES)	2"	2.375"	2.375"
INTERIOR UPRIGHT	NONE	1 1/2"	2.375"
HEAVY DUTY HINGE	3 PER LEAF	3 PER LEAF	4 PER LEAF
FOOTING	12" DIA.	15" DIA.	15" DIA.

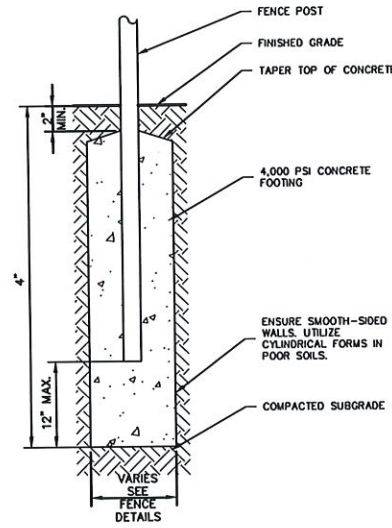


- NOTES:
- INSTALL ALL FENCE FABRIC ON FIELD SIDE OF POSTS.
  - ALL CHAIN LINK FENCE SHALL BE GROUNDED PER CHAIN LINK MANUFACTURERS RECOMMENDATIONS.

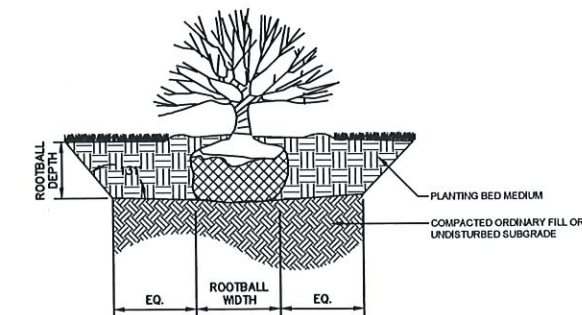
**8 CHAIN LINK FENCE GATE - DOUBLE**  
SCALE: NONE

- NOTES:
- WHERE GATES ARE CALLED FOR, ENSURE ADEQUATE CLEARANCE AT GATE BOTTOM FOR UNHINDERED OPERATION.
  - FOR GATE POSTS, FOOTING DIAMETER SHALL BE 4x POST DIAMETER.

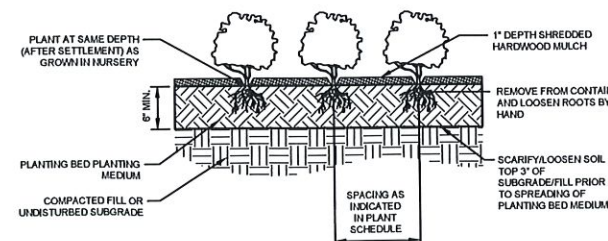
**5 4' HIGH FENCE POST FOOTING**  
SCALE: NONE



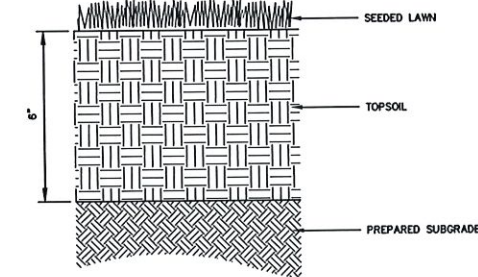
- NOTES:
- LOOSE OR CRACKED ROOT BALLS ARE UNACCEPTABLE.
  - EXCAVATE TO REQUIRED DEPTH AND DO NOT EXCAVATE BELOW ROOT BALL DEPTH.
  - SET SHRUBS PLUMB WITH ROOT FLARE 1" ABOVE FINISHED GRADE. BACKFILL WITH PLANTING MIX.
  - FLOOD WATERING SAUCER TWICE IN FIRST 24 HOURS AFTER PLANTING.
  - RAISE AND REPLANT ANY SHRUBS THAT SETTLE AFTER PLANTING & WATERING.
  - REMOVE 1/3 BURLAP PRIOR TO BACKFILL. SYNTHETIC BURLAP UNACCEPTABLE.
  - 2" DEPTH MULCH (KEEP MULCH 1" AWAY FROM SHRUB BASE) 3" HIGH EARTH WATERING SAUCER 1'-0" BEYOND ROOT BALL PLANTING MIX FLARE.
  - FOR CONTAINERIZED PLANTS: REMOVE CONTAINER PRIOR TO PLANTING, SCARIFY ROOT BALL BELOW EDGE 12" DEEP IN FOUR LOCATIONS.



**10 SHRUB PLANTING**  
SCALE: NONE



**11 DECIDUOUS TREE PLANTING**  
SCALE: NONE



- NOTES:
- CONTRACTOR SHALL PREPARE SOILS IN ALL DISTURBED AREAS AND AREAS USED FOR EQUIPMENT ACCESS.

**12 LAWN**  
SCALE: NONE

**GILMORE HOUSE**

351 PLEASANT LAKE AVE.

IN  
HARWICH  
MASSACHUSETTS

DETAILS

SEPTEMBER 2, 2022

REVISIONS:	
#	DESCRIPTION

PREPARED FOR:  
YMCA CAPE COD  
100 INDEPENDENCE DRIVE, STE. 2  
HYANNIS, MA 02601

**BSC GROUP**  
655 Winding Brook Drive  
Glastonbury, Connecticut 06033  
860 652 8227

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SCALE: 1:1



FILE: 8385900-DET.DWG

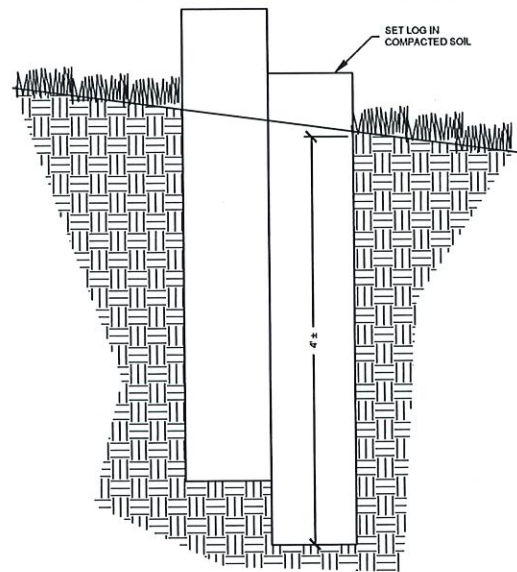
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JOB. NO: 83859.00

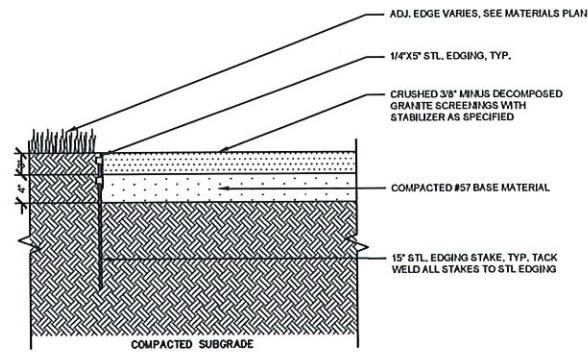
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PROGRESS

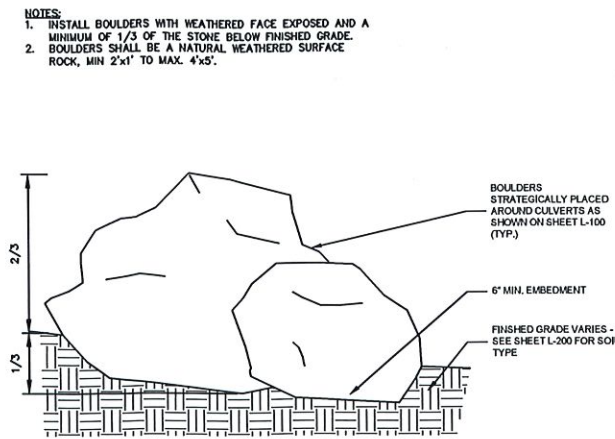




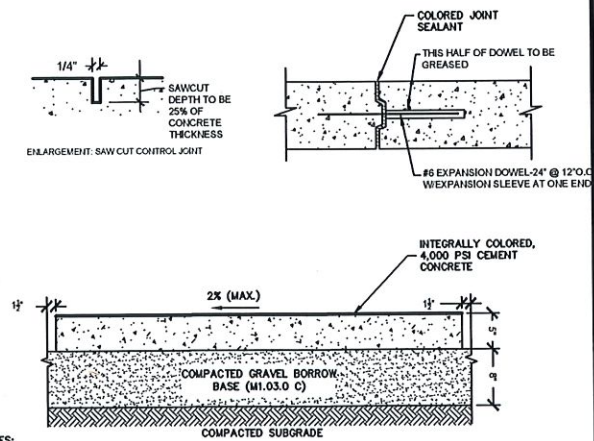
**1 LOG STEPPERS**  
SCALE: NONE



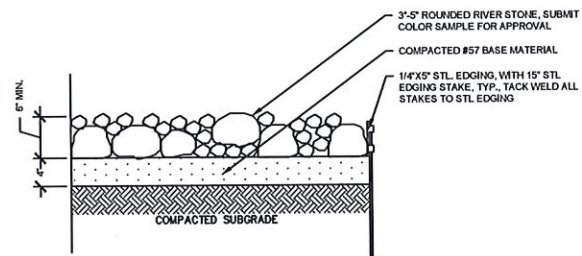
**2 STABILIZED STONEDUST**  
SCALE: NONE



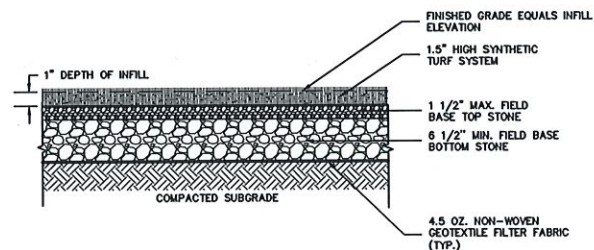
**3 ACCENT BOULDERS**  
SCALE: 1" = 1'-0"



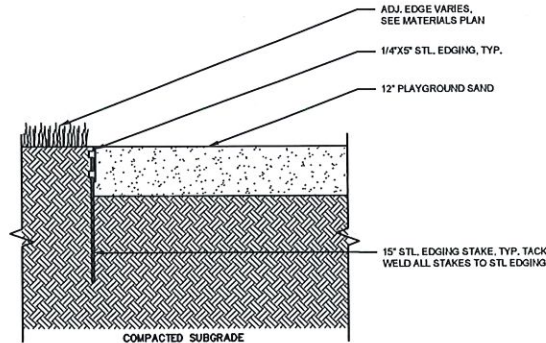
**4 COLORED CEMENT CONCRETE PAVEMENT - PEDESTRIAN**  
SCALE: NONE



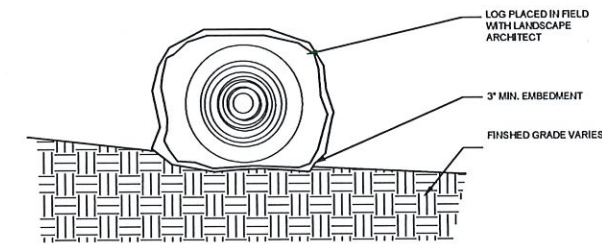
**5 DRY STONE BED**  
SCALE: NONE



**6 SYNTHETIC TURF**  
SCALE: NONE



**7 SAND SURFACE**  
SCALE: NONE



**8 LOG BENCH**  
SCALE: 1" = 1'-0"

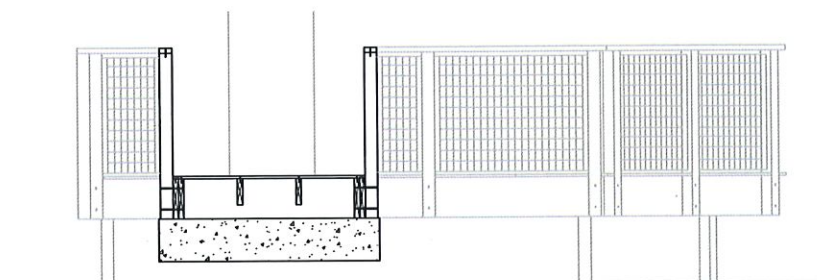
**NOTES:**  
1. INSTALL BOULDERS WITH WEATHERED FACE EXPOSED AND A MINIMUM OF 1/3 OF THE STONE BELOW FINISHED GRADE.  
2. BOULDERS SHALL BE A NATURAL WEATHERED SURFACE ROCK, MIN 2'x1' TO MAX. 4'x5'.

**NOTES:**  
1. TOOLED CONTROL JOINTS SHALL BE 1/4 SLAB THICKNESS. TOOL JOINTS EARLY IN THE FINISHING PROCESS AND RE-RUN TO ENSURE GROOVE BOARD HAS NOT OCCURRED.  
2. FULL-DEPTH JOINTS SHALL INCORPORATE FULL-DEPTH JOINT FILLER PER SPECIFICATIONS AND DETAILS.  
3. CONCRETE SHALL HAVE COLOR AND FINISH AS SPECIFIED IN THE MATERIALS SCHEDULE.

**NOTES:**  
1. CONTRACTOR SHALL DETERMINE AMOUNT OF FIELD BASE TOP STONE AND FIELD BASE BOTTOM STONE REQUIRED WITH RESPECT TO METHOD OF PLACEMENT OF STONE.  
2. CONTRACTOR SHALL PROVIDE A MINIMUM LAYER OF FIELD BASE TOP STONE AND PROVIDE A LAYER OF FIELD BASE BOTTOM STONE TO HAVE A FINISHED PROFILE OF EIGHT INCHES TOTAL.

**NOTE:**  
1. ASSUME RAW STEEL (UNPAINTED) EDGING BY BORDER KING STEEL OR APPROVED EQUAL.

**NOTE:**  
1. ASSUME RAW STEEL (UNPAINTED) EDGING BY BORDER KING STEEL OR APPROVED EQUAL.



**E-W DECK ELEVATION - RAMP**

**GILMORE HOUSE**

351 PLEASANT LAKE AVE.

IN  
HARWICH  
MASSACHUSETTS

DETAILS

SEPTEMBER 2, 2022

REVISIONS:

#	DATE	DESCRIPTION

PREPARED FOR:  
YMCA CAPE COD  
100 INDEPENDENCE DRIVE, STE. 2  
HYANNIS, MA 02601

**BSC GROUP**  
655 Winding Brook Drive  
Glastonbury, Connecticut 06033  
860 652 8227

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SCALE: 1:1



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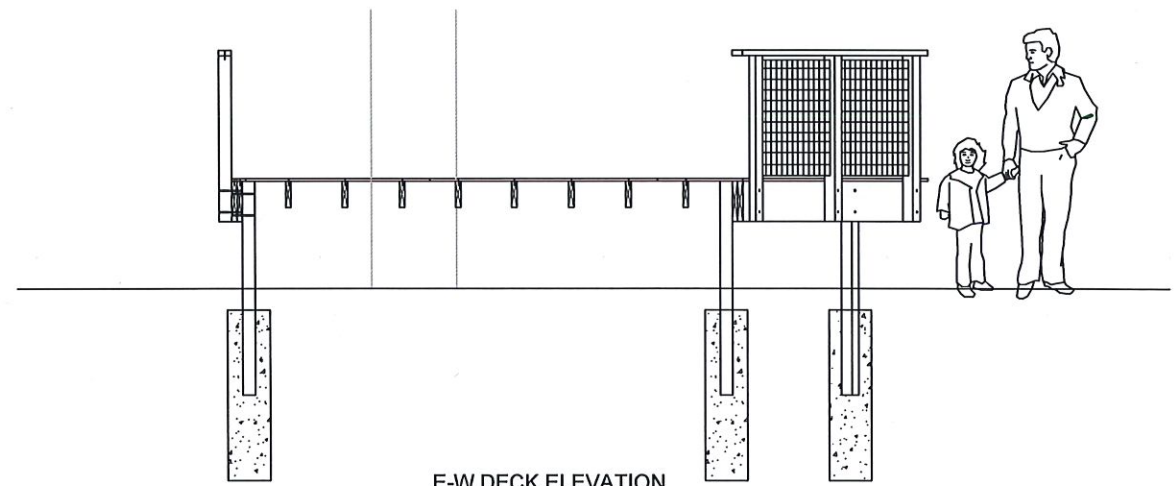
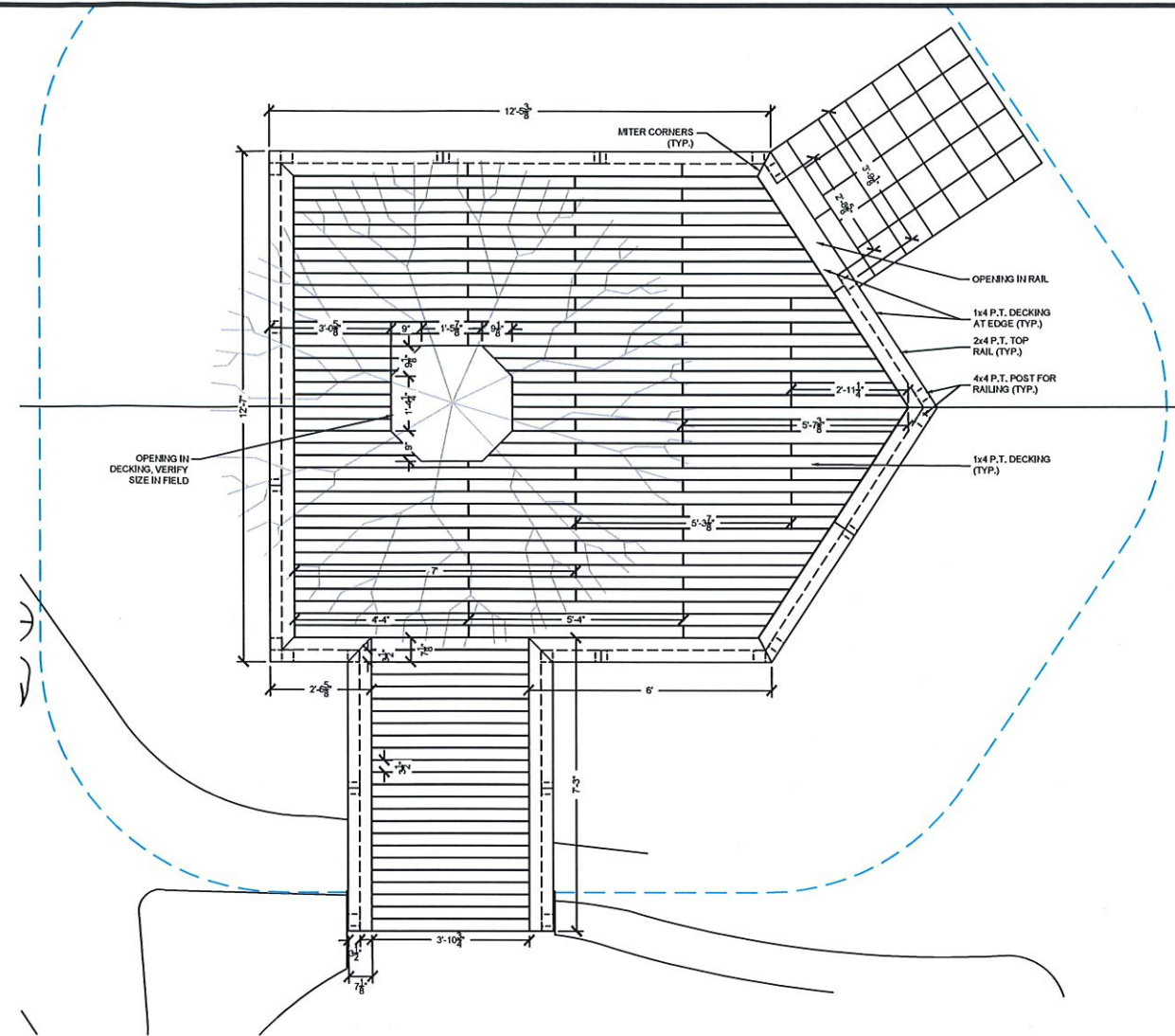
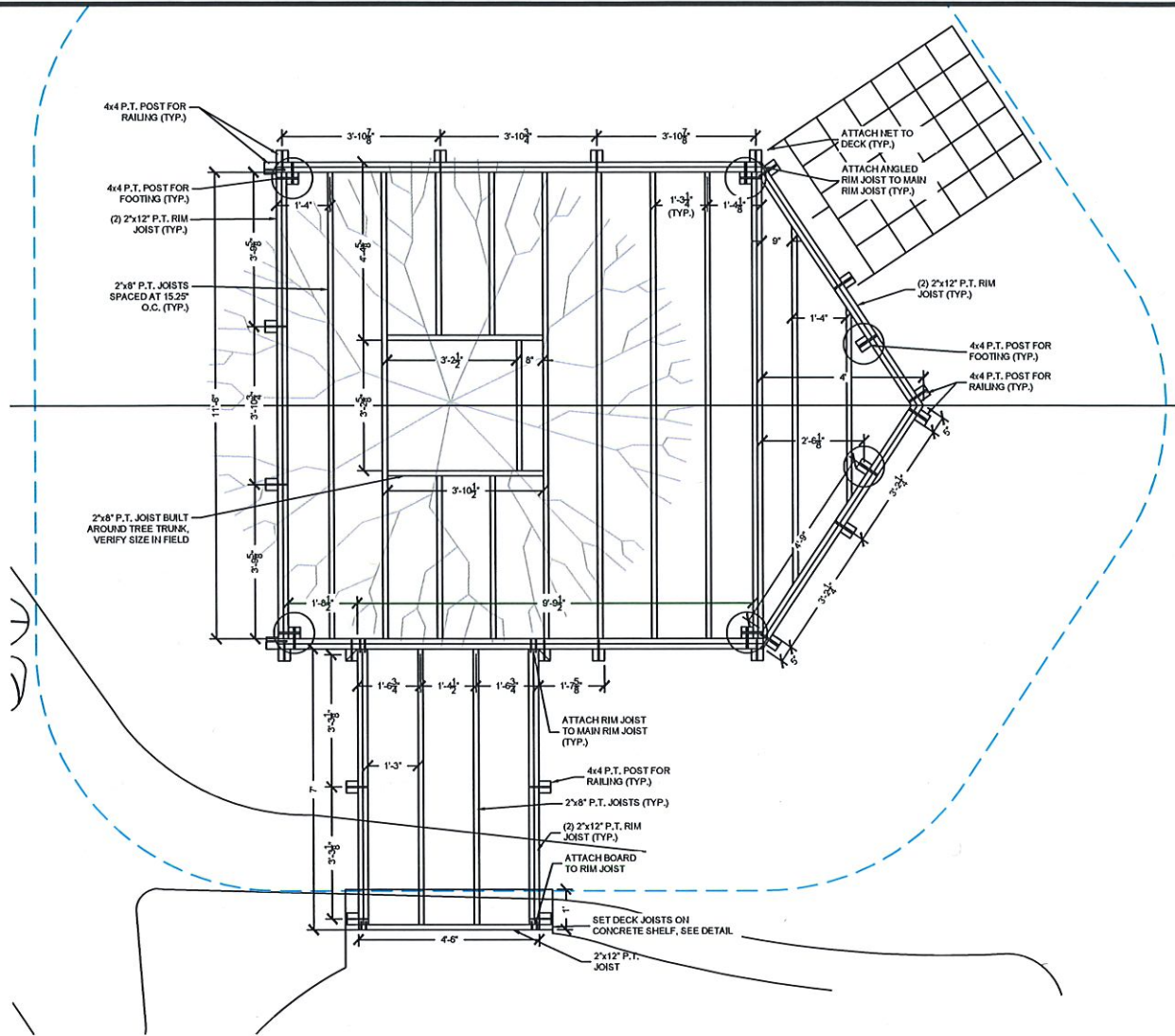
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JOB. NO: 83859.00

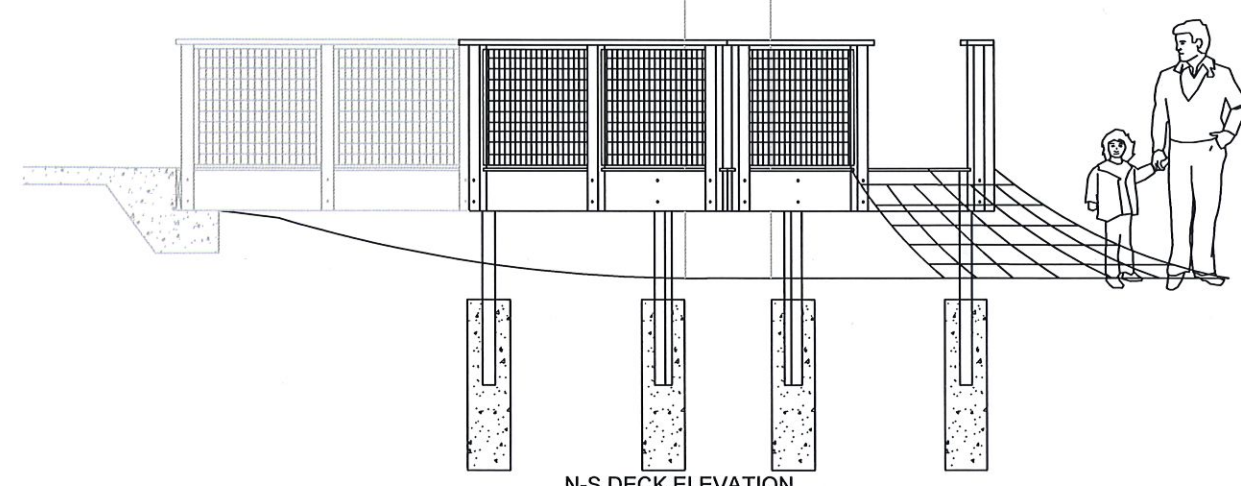
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**PROGRESS**

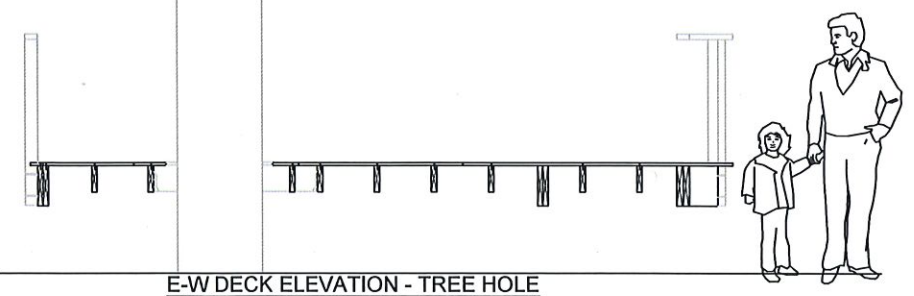




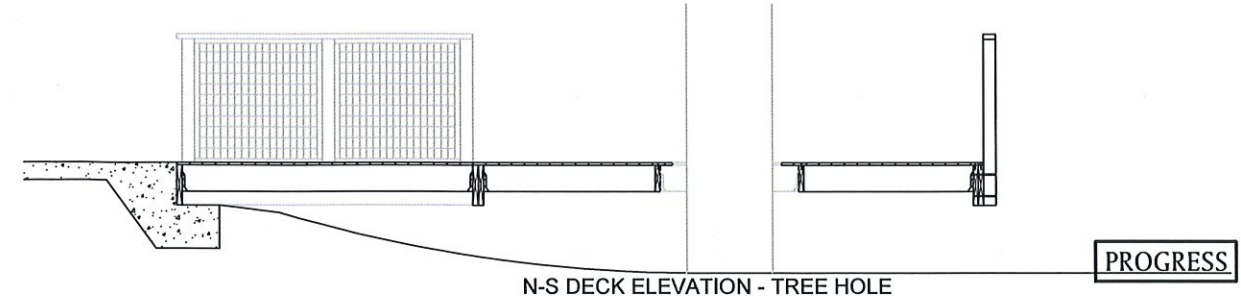
E-W DECK ELEVATION



N-S DECK ELEVATION



E-W DECK ELEVATION - TREE HOLE



N-S DECK ELEVATION - TREE HOLE

GILMORE HOUSE

351 PLEASANT LAKE AVE.  
IN  
HARWICH  
MASSACHUSETTS

DECK DETAILS

SEPTEMBER 2, 2022

REVISIONS:

#	XXXXXXXX	DESCRIPTION

PREPARED FOR:  
YMCA CAPE COD  
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HYANNIS, MA 02601

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860 652 8227

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SCALE: 1/2" = 1'  
0 1 2 4 FEET

FILE: 8385900-DET.DWG  
DWG. NO:  
JOB. NO: 83859.00

L-5.2

PROGRESS