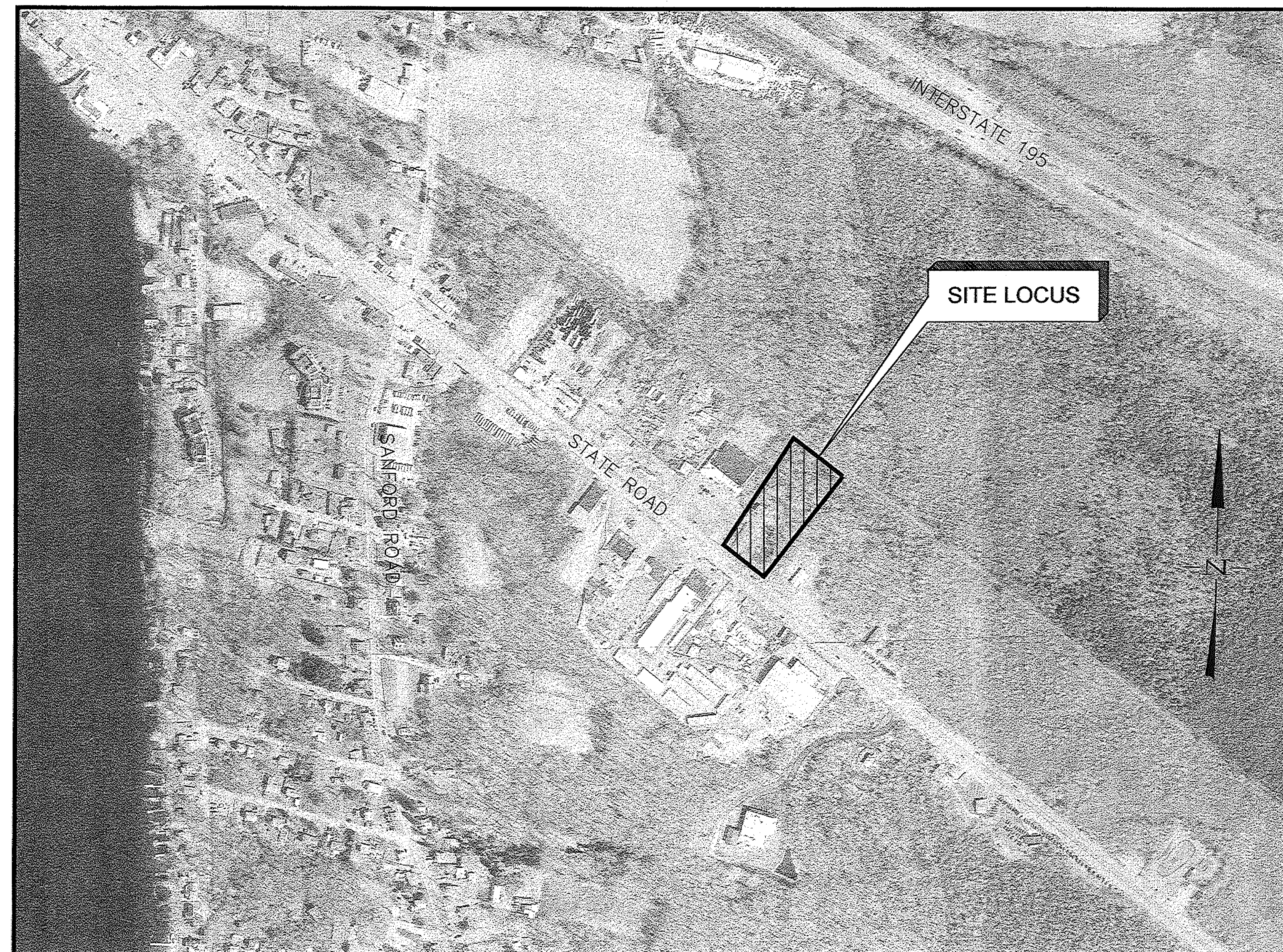


SITE DRAWINGS

ISSUED FOR: PERMITTING
DATE ISSUED: OCTOBER 25, 2019
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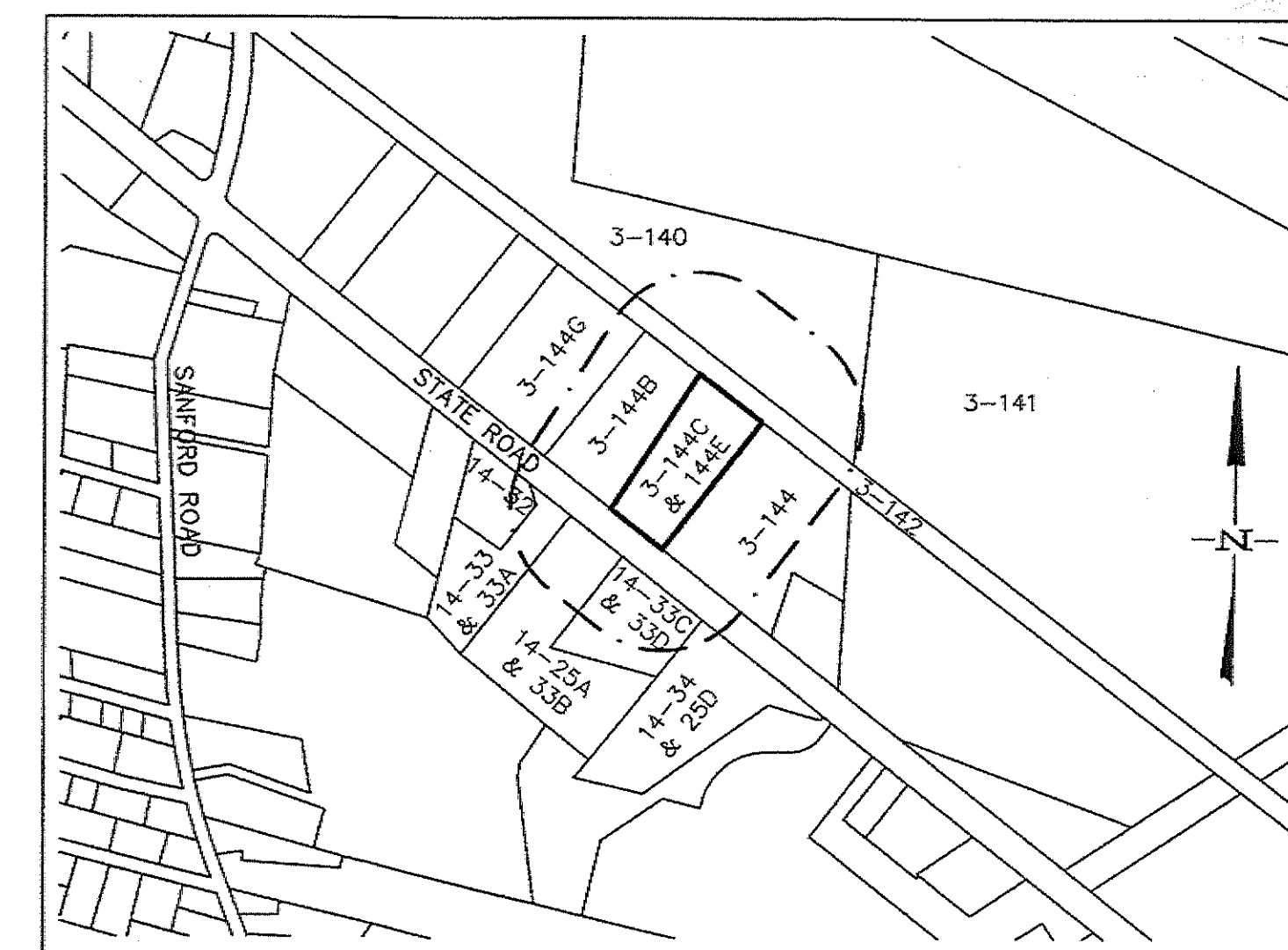
248 STATE ROAD
WESTPORT, MASSACHUSETTS



SCALE: 1"=300'

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SCALE: 1"=500

LOT NO.	OWNER OF RECORD
3-140	HENRY J SAMPSON & WORDELL ESTS THE SAMPSON FARM LOT PARTNERSHIP
3-141	WESTPORT LAND CONSERVATION TRUST INC
3-144	EILEEN MCCOOK--SZYMANSKI TRS C/O EILEEN MCCOOK--SZYMANSKI
3-144B	PHYLLIS HOESTERY & NORMAN R GENDRON; DBA GENHOE REALTY
3-144G	SOUSA FAMILY LLC
14-25 & 33B	CONNECT REALTY INC
14-32	231 STATE ROAD LLC
14-33 & 33A	LGKA, LLC
14-33C & 33O	RIVER FALLS LANDSCAPING INC
14-34 & 25D	275 STATE ROAD REALTY LLC
3-142	COMMONWEALTH OF MA

RECEIVED

AUG 31 2020

WESTPORT
PLANNING BOARD

PROJECT LOCATION:

ASSESSORS MAP 3 LOTS 144C & 144E
WESTPORT, MASSACHUSETTS

ENGINEER:

FIELD ENGINEERING CO., INC.
11D INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPOISETT, MA 02739

APPLICANT:

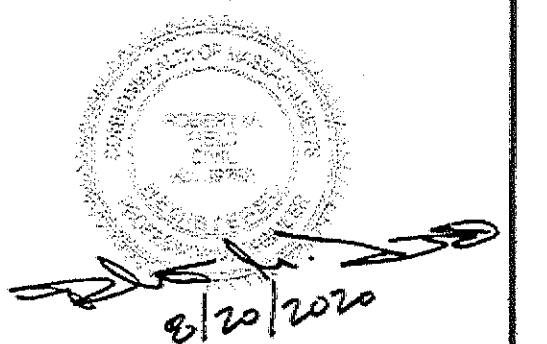
COASTAL HEALING LLC
39 GLEN ROAD
WESTPORT, MA 02790

OWNER:

DOUBLE DB LLC
39 GLEN ROAD
WESTPORT, MA 02790

PROPOSED SITE DEVELOPMENT

248 STATE ROAD
MAP 3 LOTS 144C & 144E
WESTPORT, MA



**FIELD
ENGINEERING
CO., INC.**
CONSULTING ENGINEERS

11D INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPOISETT, MA 02739
TEL: (508) 758-2749
FAX: (508) 758-2849

Project No.

2272

20-007SP-RM-SPA

GENERAL CONSTRUCTION NOTES

- THE MATERIALS AND CONSTRUCTION OF ALL PROPOSED UTILITIES SHALL CONFORM TO THE LOCAL D.P.W. STANDARDS AND SPECIFICATIONS AS WELL AS ALL APPLICABLE MASSDOT STANDARDS AND SPECIFICATIONS, LATEST EDITION.
- ALL CONSTRUCTION METHODS AND MATERIALS, AS WELL AS ALL MATERIAL SHOP DRAWINGS AND MANUFACTURERS DATA SHALL RECEIVE THE WRITTEN APPROVAL OF THE LOCAL D.P.W. AND THE PROJECT ENGINEER PRIOR TO FABRICATION AND INSTALLATION.
- THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES SHALL BE CONSIDERED APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. UNDERGROUND UTILITIES SHOWN ARE FROM FIELD OBSERVATION AND THE BEST AVAILABLE RECORD INFORMATION AND ARE NOT WARRANTED TO BE EXACT, NOR IS IT WARRANTED THAT ALL UNDERGROUND PIPES OR STRUCTURES ARE SHOWN. THE CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY COMPANIES RELATIVE TO THE LOCATION AND ELEVATION OF ALL EXISTING LINES.
- THE CONTRACTOR SHALL CONTACT "DIG SAFE" AT 811, 72 HOURS PRIOR TO ANY EXCAVATION AND/OR SUBSURFACE TESTING TO INFORM THE UTILITY COMPANIES OF ANY EXCAVATION.
- WHENEVER EXISTING STRUCTURES ARE ENCOUNTERED, THE CONTRACTOR SHALL REPAIR ANY DAMAGED STRUCTURES OR REPLACE ANY REMOVED STRUCTURES, AND MAKE ANY IMPROVEMENTS ABOVE OR BELOW GRADE TO A CONDITION BETTER THAN OR EQUAL TO PRE-EXISTING CONDITIONS.
- ALL EXCAVATED MATERIAL DESIGNATED FOR REUSE SHALL BE STOCKPILED ON SITE NO HIGHER THAN 8 FEET AND SHALL BE ENCLOSED BY TEMPORARY SILT FENCES TO PREVENT TRAVEL OF SEDIMENT TO ADJACENT PROPERTIES OR DRAINAGE WAYS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL WASTE MATERIAL AT AN APPROVED LOCATION. BURNING OF WASTE MATERIAL ON SITE WILL NOT BE PERMITTED.
- EROSION CONTROL MEASURES SHALL REMAIN IN PLACE AND MAINTAINED IN GOOD CONDITION UNTIL SURFACE RESTORATION IS COMPLETE AND ALL AREAS DISTURBED BY THE CONTRACTORS OPERATIONS ARE STABILIZED.
- THE CONTRACTOR SHALL PROTECT ADJACENT PROPERTIES FROM ON SITE CONSTRUCTION ACTIVITIES AND REMOVE ANY SEDIMENT OR DEBRIS DEPOSITED THEREON IMMEDIATELY.
- DRAINAGE GENERATED AS A RESULT OF TRENCH DEWATERING SHALL BE DISCHARGED TO EXISTING DRAINAGE COURSES WITH PROPER EROSION CONTROL AND DEWATERING MEASURES SUBJECT TO APPROVAL BY THE PROJECT ENGINEER. DIRECT DISCHARGE ONTO PAVEMENT, WETLANDS OR PRIVATE PROPERTY SHALL NOT BE ALLOWED WITHOUT CONSENT OF THE PROJECT ENGINEER AND THE CONSERVATION COMMISSION.
- THE LOCAL D.P.W. AND THE PROJECT ENGINEER SHALL APPROVE ALL FIELD CHANGES IN THE WORK PRIOR TO IMPLEMENTATION. NO FIELD CHANGES SHALL BE MADE IN ANY SPECIFIED SITE WORK OR ANY MATERIALS FOR WHICH SHOP DRAWINGS HAVE BEEN SUBMITTED AND APPROVED WITHOUT PRIOR CONSULTATION OF THE OWNER AND THE PROJECT ENGINEER. ANY CHANGES SO MADE WITHOUT THE CONSENT OF THE OWNER AND THE PROJECT ENGINEER SHALL BE DEEMED UNACCEPTABLE BY EITHER PARTY, BE PROMPTLY REMOVED FROM THE WORK AT NO EXPENSE TO THE OWNER OF THE PROJECT.
- ANY WORK OR MATERIALS NOT MEETING THE APPROVED STANDARDS AND SPECIFICATIONS OF THE LOCAL D.P.W. SHALL BE IMMEDIATELY REMOVED AND REPLACED AT THE FULL RESPONSIBILITY AND COST/EXPENSE TO THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SITE PREPARATION, THE COORDINATION AND INSTALLATION OF ALL UTILITY CONNECTIONS, AND RELATED WORK INCLUDING BUT NOT LIMITED TO ALL NECESSARY SHORING, BRACING AND TRENCH DEWATERING FOR THE COMPLETE INSTALLATION OF THE PROJECT FACILITIES DURING CONSTRUCTION.
- SEE CONSTRUCTION DETAIL SHEETS FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.
- ALL OPEN EXCAVATIONS SHALL BE ADEQUATELY SAFEGUARDED IN STRICT ACCORDANCE WITH OSHA GUIDELINES AND TO THE SATISFACTION OF THE LOCAL POLICE DEPARTMENT. PROVISIONS FOR TEMPORARY BARRICADES, CAUTION SIGNS, LIGHTS AND OTHER MEANS TO PREVENT ACCIDENTS AND DAMAGE TO PROPERTY ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE STABLE AND SAFE WALKWAYS AND OTHER CROSSINGS FOR ACCOMMODATING TRAVEL BY PEDESTRIANS AND WORKMEN. NO EXCAVATIONS SHALL REMAIN OPEN OVERNIGHT.
- NO TRENCH EXCAVATION WILL BE ALLOWED WITHOUT PROPER LOCAL PERMITS.
- UNLESS OTHERWISE SHOWN ON THESE PLANS, ANY AREAS DISTURBED BY THE CONTRACTORS SHALL BE RESTORED TO ITS PRE-EXISTING CONDITION.
- EXCEPT AS NOTED ON THESE PLANS, THERE SHALL BE NO CLEARING OF VEGETATION BEYOND THE SPECIFIED LIMIT OF WORK LINES.

STORMWATER FACILITY OPERATION/MAINTENANCE PLAN

NAME AND ADDRESS OF APPLICANT	NAME AND ADDRESS OF OWNER
COASTAL HEALING LLC 39 GLEN ROAD WESTPORT, MA 02790	DOUBLE DB LLC 39 GLEN ROAD WESTPORT, MA 02790

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSPECTION AND MAINTENANCE OF ALL STORMWATER FACILITIES UNTIL SUCH TIME AS THE STORMWATER MANAGEMENT SYSTEM IS ACCEPTED BY THE TOWN. THEREAFTER THE APPLICANT SHALL BE RESPONSIBLE FOR THE PROPER INSPECTION AND MAINTENANCE OF THE STORMWATER FACILITIES IN ACCORDANCE WITH THIS OPERATION AND MAINTENANCE PLAN AND ALL OTHER LOCAL/STATE/FEDERAL REGULATORY PERMIT CONDITIONS.
- ALL STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) INCLUDING STORMWATER DETENTION AREAS SHOULD BE INSPECTED AFTER EVERY MAJOR RAINFALL EVENT EXCEEDING 1.0-INCH FOR THE FIRST 6 MONTHS AFTER CONSTRUCTION TO ENSURE PROPER STABILIZATION AND CONSTRUCTION.
- THEREAFTER REGULAR BMP INSPECTIONS SHOULD BE CONDUCTED ACCORDING TO THE FOLLOWING SCHEDULE:

BMP STRUCTURE	INSPECTIONS PER YEAR
WATER QUALITY INLETS	2
DEEP SLUMP CATCH BASINS	4
STORMWATER BASINS	12
- THE APPLICANT SHALL MAINTAIN A BMP INSPECTION REPORT FOLLOWING EACH SITE INSPECTION AS RECOMMENDED ABOVE. THE BMP INSPECTION REPORT SHALL IDENTIFY THE DATE OF INSPECTION, NAME AND CONTACT NUMBER OF RESPONSIBLE PARTY, SPECIFIC STRUCTURES INSPECTED, SPECIFIC MAINTENANCE REQUIRED AND OBSERVATIONS AT A MINIMUM, INSPECTION REPORTS SHOULD ADDRESS THE FOLLOWING CONDITIONS:
 - TRASH REMOVAL
 - EROSION/SLOPE STABILITY
 - MULCH REPLACEMENT
 - INLET/OUTLET CONDITIONS
 - SEDIMENT ACCUMULATIONS
 - REMOVAL/REPLACEMENT OF DEAD VEGETATION
- ACCUMULATED SILT AND SEDIMENT SHOULD BE REMOVED FOUR TIMES A YEAR FOR SEDIMENT FOREBAY AREAS OR MORE FREQUENTLY IF ACCUMULATED DEPTH OF SEDIMENT EXCEEDS SIX INCHES. ACCUMULATED SILT AND SEDIMENT SHOULD BE REMOVED AT LEAST FOUR TIMES A YEAR FOR DEEP SLUMP CATCH BASINS AND OR MORE FREQUENTLY IF ACCUMULATED DEPTH OF SEDIMENT EXCEEDS SIX INCHES.
- ALL REMOVED SEDIMENTS ARE TO BE PROPERLY DISPOSED AT A LOCATION TO BE APPROVED BY THE BOARD OF HEALTH, TRANSPORTATION AND DISPOSAL OF SEDIMENTS SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
- THE DRIVEWAY AND PARKING AREAS SHALL BE SWEEPED AT LEAST TWICE PER YEAR.
- THE STORMWATER BASINS AND ALL UNDISCARPED AREAS SHOULD BE INSPECTED FOR TRASH MONTHLY. ANY ACCUMULATED TRASH, LITTER AND DISCARDED MATERIALS IN THESE AREAS WILL BE REMOVED.
- SNOW WILL BE STOCKPILED WITHIN AND AROUND AREAS WHICH DRAIN INTO THE STORMWATER MANAGEMENT SYSTEM WHEREVER PRACTICABLE. CATCH BASIN GRATES WILL BE CLEARED OF SNOW AND ICE AFTER ALL SNOWFALL EVENTS.
- NO DISPOSAL OF MATERIALS WILL BE PERMITTED WITHIN THE STORMWATER BASINS AND DRAINAGE SWALES. THIS PROHIBITION APPLIES TO TRASH, FILL MATERIAL, CONSTRUCTION DEBRIS, GRASS CLIPPINGS, COLLECTED LEAVES AND CUT BRANCHES.

EROSION & SEDIMENTATION CONTROL PROGRAM

- ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL APPROVING AUTHORITY AND AS DIRECTED BY THE PROJECT ENGINEER.
- THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE LEFT IN AN UNTREATED OR UNVEGETATED CONDITION FOR A MINIMUM TIME. AREAS SHALL BE PERMANENTLY STABILIZED WITHIN 15 DAYS OF FINAL GRADING AND TEMPORARILY STABILIZED WITHIN 30 DAYS OF INITIAL DISTURBANCE OF THE SOIL. IF THE DISTURBANCE IS WITHIN 100 FEET OF A WETLAND RESOURCE AREA, THE DISTURBED AREAS SHALL BE STABILIZED WITHIN 7 DAYS OR PRIOR TO ANY FORECASTED STORM EVENT.
- SEDIMENT BARRIERS (SILT FENCE, HAY BARRIERS, ETC.) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE UPGRADEMENT OR DISTRIBUTION DRAINAGE AREA. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 8.0% AFTER OCTOBER 1ST.
- INSTALL SILT FENCE AT TOE OF SLOPE TO FILTER SILT FROM RUNOFF. SEE SILT FENCE DETAIL FOR PROPER INSTALLATION.
- ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL. SNOW MELT OR WHEN NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION OR DECOMPOSITION. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT AND WHEN THE DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE STABILIZED BY TURF.
- NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN THREE TO ONE (3 TO 1) UNLESS NOTED OTHERWISE.
- IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST, USE TEMPORARY MULCH OR DORMANT SEEDING TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.
- TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINAL GRADED SHALL BE COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST TO PROTECT FROM SPRING RUNOFF PROBLEMS.
- REVEGETATION MEASURES WILL COMMENCE UPON COMPLETION OF CONSTRUCTION EXCEPT AS NOTED ABOVE. ALL DISTURBED AREAS NOT OTHERWISE STABILIZED WILL BE GRADED, SMOOTHED, AND PREPARED FOR FINAL SEEDING AS FOLLOWS:
 - THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS, AND SHALL BE PLACED TO A DEPTH OF FOUR (4) INCHES ON ALL LOAM AND SEED AREAS OR AS SPECIFIED ON THE DRAWINGS.
 - APPLY FERTILIZER AT A RATE OF 800 LB PER ACRE OR 18.4 LB PER 1,000 SF. APPLY GRADE LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE OR 138 LB PER 1,000 SF.
 - THE DESIGN MIX FOR SEEDING SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE. THE SEED MIX SHALL BE INCULCATED WITHIN TWENTY-FOUR (24) HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.

TYPE	% BY WEIGHT
RED FESCUE	50
KENTUCKY 31	30
DOMESTIC RYE	10
RED TOP LADINO	5
CLOVER	5
APPLICATION RATE	4.0 LBS./1000 S.F.

LOAM AND SEED AREAS - MASSDOT SPEC M6.03.0

- ADJACENT PROPERTIES WILL BE PROTECTED WITH HAY BALES AND/OR SILT FENCINGS INSTALLED AS SHOWN ON THE DRAWINGS. ADDITIONAL HAY BALES OR SAND BAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER AND/OR THE LOCAL APPROVING AUTHORITY.
- TEMPORARY HAY BALE EROSION CHECKS OR FILTER FABRIC GRATE INSERTS SHALL BE PROVIDED AT ALL DRAINAGE STRUCTURE INLETS DURING CONSTRUCTION. UPON COMPLETION OF CONSTRUCTION AND SATISFACTORY STABILIZATION OF DISTURBED AREAS, THE CONTRACTOR SHALL CLEAN ALL CATCH BASIN SLUMPS AND DRAIN INVERTS.
- THE CONTRACTOR MUST REPAIR OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE OWNER OR APPLICANT.
- THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1ST THROUGH JUNE 15TH AND AUGUST 15TH THROUGH OCTOBER 1ST.
- STOCKPILES OF TOP SOIL SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 1:1.

MULCH AND MULCH ANCHORING

- | MULCH LOCATION | MULCH | RATE (1,000 S.F.) |
|--|---|-------------------|
| MILD SLOPES LESS THAN 3:1 HIGH WIND VELOCITY AREAS | MULCH OR HAY SHREDDED OR CHOPPED CORNSTALKS | 200 POUNDS |
| MODERATE TO HIGH VELOCITY AREAS | ANCHORED STRAW OR HAY (1) | 200-275 POUNDS |
| STEEP SLOPES GREATER THAN 3:1 | JUTE MESH OR EXCELSIOR MAT | AS REQUIRED |
- (1) A HYDRO-APPLICATION OF WOOD OR PAPER FIBER MAY BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS SHALL BE USED ON HAY MULCH FOR WIND CONTROL.
- MULCH ANCHORING MAY BE ACCOMPLISHED WITH PEG AND TWINE (1 SQ. YD./8,000); MULCH NETTING (PER MANUFACTURERS SPECIFICATIONS); WOOD CELLULOSE FIBER (750 LBS./ACRE); OR CHEMICAL TACK (PER MANUFACTURERS SPECIFICATIONS).

EROSION CONTROL NOTES DURING CONSTRUCTION

- CONSTRUCTION ACTIVITY EXECUTED DURING THE WINTER CONSTRUCTION PERIOD BETWEEN NOVEMBER 1 THROUGH APRIL 1ST SHALL BE SUBJECT TO THE FOLLOWING ADDITIONAL REQUIREMENTS.
- WINTER EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
- EXPOSED AREA SHOULD BE LIMITED TO THAT WHICH CAN BE MULCHED IN ONE DAY PRIOR TO ANY NOW EVENT.
- CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED SUCH THAT NO AREA IN EXCESS OF ONE ACRE IS WITHOUT EROSION CONTROL PROTECTION.
- AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVING EITHER MULCHED WITH STRAW OR HAY AND ADEQUATELY ANCHORED BY AN APPROVED ANCHORING TECHNIQUE.
- BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 1ST, LOAM OR SEED WILL NOT BE PERMITTED. DURING PERIODS OF ABOVE FREEZING TEMPERATURES, THE SLOPES SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDED. MULCH OR SEED WILL NOT BE LEFT UNEXPOSED OVER THE WINTER OR ANY OTHER EXTENDED TIME OF WORK SUSPENSION UNLESS TREATED IN THE ABOVE MANNER.
- UNTIL SUCH TIME AS WEATHER CONDITIONS ALLOW DITCHES TO BE FINISHED WITH THE PERMANENT SURFACE TREATMENT, EROSION SHALL BE CONTROLLED BY THE INSTALLATION OF HAY BALE/SAND BAG CHECK DAMS.
- BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 1ST ALL MULCH SHALL BE ANCHORED BY EITHER PEG LINE, MULCH NETTING, TRACK OR WOOD CELLULOSE FIBER.
- MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPES EXPOSED TO DIRECT WINDS, AND FOR ALL OTHER SLOPES GREATER THAN 8%.
- MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15% AFTER OCTOBER 1ST THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.
- ALL EROSION MITIGATION MEASURES SHALL BE IN PLACE PRIOR TO MAJOR CONSTRUCTION OR SOIL DISTURBANCE COMMENCING ON THE SITE.

TRAFFIC MANAGEMENT NOTES

- THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS OF THE MASSDOT PERMIT TO ACCESS STATE HIGHWAY PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES WITHIN THE STATE HIGHWAY.
- AS A SPECIAL CONDITION FOR THE ROAD OPENING PERMIT THE CONTRACTOR SHALL:
 - FURNISH ADEQUATE NOTICE TO MASSDOT, POLICE AND FIRE DEPARTMENTS, PUBLIC TRANSPORTATION AUTHORITIES, AND SCHOOL DEPARTMENTS/DISTRICTS OF THE PROPOSED TRAFFIC MANAGEMENT PLAN INCLUDING, BUT NOT LIMITED TO, DETOURS, LANE CLOSURES, AND ALTERNATE ROUTES.
 - FURNISH, ERECT AND MAINTAIN TRAFFIC CONTROL DEVICES, AS REQUIRED BY MASSDOT THE LOCAL AUTHORITIES. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL DEVICES INCLUDING LIGHTS, MARKINGS, BARRICADES, WARNING SIGNS, AND ALL OTHER SAFETY PRECAUTIONS NECESSARY TO PROTECT STREETS, SIDEWALKS, ACCESS TO ADJOINING PROPERTY, AND THE TRAVELING PUBLIC WITHIN THE AREA OF THE CONSTRUCTION.
 - CONFORM TO ALL REQUIREMENTS OF THE MASSDOT PERMIT TO ACCESS A STATE HIGHWAY.

WATER MAIN CONSTRUCTION NOTES

- THE EXACT LOCATION OF ALL PROPOSED PIPES, VALVES, FITTINGS, HYDRANTS, SERVICES, ETC. IS TO BE DETERMINED BY THE LOCAL WATER DEPARTMENT IN THE FIELD.
- THE CONTRACTOR SHALL MAINTAIN CLEARANCE BETWEEN THE NEW WATER MAIN AND OTHER EXISTING UTILITIES OF AT LEAST (12) TWELVE INCHES OR AS DETERMINED BY THE LOCAL WATER DEPARTMENT IN THE FIELD.
- UNLESS SPECIFIED OTHERWISE, ALL WATER PIPES ARE TO BE LAID WITH A MINIMUM OF 5'-0" COVER.
- BENDS, TEES, AND HYDRANTS ARE TO BE BACKED WITH CONCRETE THRUST BLOCKS AND FITTED WITH MECHANICAL JOINT RESTRAINTS OR AS DIRECTED BY THE LOCAL WATER DEPARTMENT.
- UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER THE NEW WATER MAINS SHALL PASS UNDER EXISTING UTILITIES AND DRAIN LINES.
- THE MATERIALS AND CONSTRUCTION OF ALL PROPOSED WATER MAINS & APPURTENANCES SHALL CONFORM TO ANSI/AWWA SPECIFICATIONS AS WELL AS THE LOCAL WATER DEPARTMENT STANDARDS AND SPECIFICATIONS LATEST EDITION, AND ALL APPLICABLE MASSDOT STANDARDS AND SPECIFICATIONS, LATEST EDITION.
- ALL CONSTRUCTION METHODS AND MATERIALS, AS WELL AS ALL MATERIAL SHOP DRAWINGS AND MANUFACTURERS DATA SHALL RECEIVE THE WRITTEN APPROVAL OF THE LOCAL WATER DEPARTMENT PRIOR TO FABRICATION AND INSTALLATION. IN THE EVENT OF A CONFLICT BETWEEN THESE PLANS AND THE TOWN SPECIFICATIONS, THE TOWN SPECIFICATIONS SHALL GOVERN.
- ALL COMPLETED SECTIONS OF THE PROPOSED SYSTEM SHALL BE PRESSURE TESTED AND DISINFECTED IN ACCORDANCE WITH THE LOCAL WATER DEPARTMENT SPECIFICATIONS. AWWA C551, AND AWWA C500. ANY PORTION OF THE WORK NOT MEETING THE REQUIRED TESTING STANDARDS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- SAMPLING AND CHLORINATION TAPS SHALL BE A CORPORATION COCK INSTALLED IN THE MAIN WITH A COPPER TUBE AND CURB STOP ASSEMBLY AT 1000 FOOT INTERVALS. NO HOSE OR FIRE HYDRANT SHALL BE USED IN THE CHLORINATION OR COLLECTION OF SAMPLES. SAMPLING AND CHLORINATION POINTS MUST BE REVIEWED AND APPROVED BY THE LOCAL WATER DEPARTMENT PRIOR TO DISINFECTIONS.
- THE LOCAL WATER DEPARTMENT AND THE PROJECT ENGINEER SHALL APPROVE ALL FIELD CHANGES IN THE WORK PRIOR TO IMPLEMENTATION. NO FIELD CHANGES SHALL BE MADE IN ANY SPECIFIED SITE WORK OR ANY MATERIALS FOR WHICH SHOP DRAWINGS HAVE BEEN SUBMITTED AND APPROVED WITHOUT PRIOR CONSULTATION OF THE WATER DEPARTMENT AND THE PROJECT ENGINEER. ANY CHANGES SO MADE WITHOUT THE CONSENT OF THE WATER DEPARTMENT AND THE PROJECT ENGINEER SHALL BE DEEMED UNACCEPTABLE BY EITHER PARTY, BE PROMPTLY REMOVED FROM THE WORK AT NO EXPENSE TO THE OWNER OF THE PROJECT.
- ANY WORK OR MATERIALS NOT MEETING THE APPROVED STANDARDS AND SPECIFICATIONS OF THE LOCAL WATER DEPARTMENT SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SITE PREPARATION, THE COORDINATION AND INSTALLATION OF ALL UTILITY CONNECTIONS, AND RELATED WORK INCLUDING BUT NOT LIMITED TO ALL NECESSARY SHORING, BRACING AND TRENCH DEWATERING FOR THE COMPLETE INSTALLATION OF THE PROJECT FACILITIES DURING CONSTRUCTION.
- STATIONING ALONG THE LENGTH OF THE WATER MAIN IS INTENDED FOR GENERAL LOCATION REFERENCE. WHERE PRECISE GROUND LOCATION IS REQUIRED, REFER TO PLANS FOR ACTUAL DISTANCES FROM EXISTING GROUND FEATURES.
- PRIOR TO FINAL ACCEPTANCE OF THE WORK BY THE CITY OF LOCAL WATER DEPARTMENT THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS AND/OR MODIFICATIONS DONE TO THE NEW SYSTEM FOR A PERIOD OF ONE YEAR AFTER THE WATER HAS BEEN PERMANENTLY TURNED ON.
- THE CONTRACTOR SHALL CONTACT THE LOCAL WATER DEPARTMENT 24 HOURS PRIOR TO ANY EXCAVATION AND/OR SUBSURFACE TESTING.
- THE MAXIMUM JOINT DEFLECTION FOR DUCTILE IRON PIPE SHALL NOT EXCEED 5 DEGREES.

TOWN OF WESTPORT WATER DEPARTMENT GENERAL SPECIFICATIONS

- WATER MAIN PIPING SHALL BE DOUBLE CEMENT LINED CLASS 52 BITUMEN COATED PUSH ON JOINT DUCTILE IRON CONFORMING TO ANSI/AWWA SPECIFICATIONS LATEST EDITION AND THE TOWN OF WESTPORT WATER DEPARTMENT SPECIFICATIONS.
- FITTINGS SHALL BE DOUBLE CEMENT LINED, BITUMEN COATED COMPACT MECHANICAL JOINT DUCTILE IRON CONFORMING TO ANSI A21.53/AWWA C153.
- TAPPING SLEEVES SHALL BE A FULL DIAMETER STAINLESS MECHANICAL JOINT SLEEVE, AS MANUFACTURED BY JCM INDUSTRIES JCM 432 OR EQUAL.
- TAPPING VALVES SHALL CONFORM TO AWWA C-515, OPEN RIGHT, AND IN ADDITION SHALL HAVE ONE SIDE FLANGED AND ONE SIDE MECHANICAL JOINT, AS MANUFACTURED BY JCM INDUSTRIES JCM 432 OR EQUAL.
- HYDRANTS SHALL CONFORM TO AWWA C-502, OPEN LEFT, AND SHALL BE FROM ONE OF THE FOLLOWING ACCEPTABLE MANUFACTURERS:
 - DARLING B-84-85
 - MUELLER SUPER CENTURION 250
- HYDRANTS SHALL BE DRY BARREL CONSTRUCTION, WITH A HYDRANT VALVE OPENING OF 7-INCHES. HYDRANT INLET CONNECTIONS SHALL HAVE 5-1/2 FOOT DEPTH OF BURY WITH MECHANICAL JOINTS FOR 6-INCH CAST IRON PIPE. THE HYDRANTS SHALL BE DESIGNED SO THAT ANY INCREASE IN DEPTH OF BURY CAN BE ACCOMPLISHED BY INSERTING THE NECESSARY EXTENSION ACCESSORIES AT THE GROUND LINE FLANGE. NOZZLE THREADS SHALL BE NATIONAL STANDARD.
- UNLESS OTHERWISE SPECIFIED THE MINIMUM SERVICE PIPE DIAMETER SHALL BE 1-INCH.
- TYPE K COPPER SERVICE PIPE SHALL BE RATED FOR 200 PSI AND ANSI/NSF 61 CERTIFIED.
- COPPER SERVICE PIPE SHALL BE INSTALLED BETWEEN THE METER AND THE CORPORATION STOP.
- THE WATER SERVICE MUST BE INSPECTED BY THE TOWN OF WESTPORT WATER DEPARTMENT PRIOR TO BACKFILLING.
- CURB STOPS SHALL BE MUELLER 300 SERIES WITH 110 COMPRESSION CONNECTIONS, OPEN LEFT.
- EACH CURB STOP SHALL BE ACCOMPANIED BY A CURB BOX, ERIE STYLE WITH 36-INCH ROD, ADJUSTABLE TYPE, 2 PCE, HEAVY PATTERN CONSTRUCTED OF CAST IRON AND PROVIDED WITH A CAST IRON COVER. THE CURB BOX COVER SHALL HAVE 2 HOLES, AND HAVE THE CAST IRON COVER FASTENED IN TOP. CURB BOXES SHALL BE MANUFACTURED BY FORD METER BOX OR BIEBT-STE-CROIX, OR APPROVED EQUAL.
- CORPORATION STOPS SHALL OPEN RIGHT AND SHALL BE MUELLER 300 SERIES, FORD BRASS FB 1000.
- RESTRAINED JOINTS MAY BE USED FOR THRUST RESTRAINT. RETAINER GLANDS SHALL BE MEG-A-LUG TYPE AS MANUFACTURED BY EBAA IRON, SERIES 2100.
- RESILIENT SEAT GATE VALVES SHALL BE MECHANICAL JOINT, O-RING STEM SEALS, OPEN RIGHT, AND SHALL MEET LATEST REVISIONS AWWA STANDARD C508.

SEWER CONSTRUCTION NOTES

- ALL SEWER WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE TOWN OF WESTPORT BOARD OF HEALTH SPECIFICATIONS AND REQUIREMENTS FOR SEWER SYSTEM WORK. IN THE EVENT OF A CONFLICT BETWEEN THESE PLANS AND THE TOWN SPECIFICATIONS, THE TOWN SPECIFICATIONS SHALL GOVERN.
- THE CONTRACTOR IS RESPONSIBLE FOR PROPER NOTIFICATIONS TO THE LOCAL BOARD OF HEALTH FOR ALL REQUIRED INSPECTIONS OF THE WORK.
- GRAVITY SEWER PIPE AND FITTINGS SHALL BE SDR-35 PVC CONFORMING TO ASTM D3034 WITH PUSH-ON JOINTS UNLESS OTHERWISE NOTED ON THE DRAWINGS. GRAVITY SEWER PIPE WITH LESS THAN 3.0 FEET OF COVER SHALL BE SCH 80 PVC CONFORMING TO ASTM D1785 WITH SOLVENT WELD JOINTS.
- GRAVITY SEWER LINES AND SEWER MANHOLES SHALL BE TESTED FOR INFILTRATION/EXFILTRATION IN THE PRESENCE OF THE PROJECT ENGINEER AND THE LOCAL BOARD OF HEALTH PRIOR TO ACCEPTANCE BY THE OWNER. REFER TO BOARD OF HEALTH TESTING SPECIFICATIONS FOR GRAVITY SEWER AND MANHOLES FOR SPECIFIC TEST PARAMETERS.
- AT THE CONCLUSION OF THE WORK, THE CONTRACTOR SHALL THOROUGHLY CLEAN THE SEWERS BY FLUSHING WITH WATER OR OTHER MEANS TO REMOVE DIRT, STONES, AND OTHER MATERIAL. PRIOR TO ACCEPTANCE, ALL PIPE LINES SHALL BE INSPECTED FOR CLEANLINESS AND TO BE SURE NO SAND BAGS, BROKEN PIPE, OR OTHER OBSTRUCTIONS EXIST.
- NO FLOW WILL BE ACCEPTED UNTIL ALL FIELD TESTING AND CLEANING IS COMPLETED TO THE SATISFACTION OF THE PROJECT ENGINEER AND THE LOCAL BOARD OF HEALTH.

STORM DRAIN NOTES

- UNLESS OTHERWISE NOTED, ALL STORM DRAIN PIPING SHALL BE ADS-N-12 SMOOTH WALL INTERIOR HOPE PIPE AS MANUFACTURED BY ADS, INC.
- ROOF DRAIN PIPING WITHIN 10 FEET OF BUILDING FOUNDATIONS AND SLABS SHALL BE CAST IRON PIPE (C.I.P.). THE CONTRACTOR SHALL COORDINATE THE WORK WITH THE PLUMBING CONTRACTOR AND PROVIDE ALL NECESSARY COUPLINGS, ADAPTER, ETC. TO CONNECT THE C.I.P. TO HDPE PIPE SECTIONS.
- TEMPORARY SEDIMENT FOREBAYS MAY BE USED FOR CONTROL OF WATER DURING CONSTRUCTION WITH PROPER SILTATION CONTROLS TO ENSURE NO UNTREATED STORMWATER IS RELEASED INTO ANY WETLAND RESOURCE AREA OR WITHIN THE STORMWATER BASINS.
- PRIOR TO FINAL ACCEPTANCE OF THE WORK BY THE OWNER, ALL DRAINAGE STRUCTURES SHALL BE CLEARED OF ALL SEDIMENTS AND DEBRIS.

GENERAL ABBREVIATIONS

ABAN.	ABANDON
ADJ.	ADJUST
APPROX.	APPROXIMATE
BT.	BOTTOM OF CURB
BT.	BOTTOM
BT. CONC.	BITUMINOUS CONCRETE
BO	BY OTHERS
BM	BENCH MARK
BW	BOTTOM OF WALL
CEM. CONC.	CEMENT CONCRETE
COR	CORNER
CT	CHANGE IN TYPE
CLF	CHAIN LINK FENCE
CLD	CEMENT LINED DUCTILE IRON
CMP	CORRUGATED METAL PIPE
CONDUIT	CONDUIT
DIP	DUCTILE IRON PIPE
DIP	DRIVEWAY
ELEV.	ELEVATION
EDG.	EDGE OF PAVEMENT
EXT.	EXISTING
FE	FLARED END
F & C	FRAME AND COVER
F & G	FRAME AND GRATE
FDN	FOUNDATION
FND	FILL
FRD	FILLED WITH DEBRIS
G	GRANITE
H	HANDICAP
HH	HAND HOLE
HSA	HOT MIX ASPHALT
HSR	HORIZONTAL
INV.	INVERT
LB	LOAN BORROW
LAYOUT	LAYOUT
LO	LOAN
MAX.	MAXIMUM
MIN.	MINIMUM
MON.	MONUMENT
NC	NOT IN CONTRACT
NGVD	NATIONAL GEODETIC VERTICAL DATUM
N/F	NOW OR FORMERLY
ON	ON CENTER
OVERHEAD	OVERHEAD WIRE
PG	PROFILE GRADE LINE
PROPOSED	PROPOSED
PVC	POLYVINYLCHLORIDE PIPE
PWNT	PAVED WATERWAY
RELOC.	RELOCATED
R & D	REMOVE AND DISPOSE
R & R	REMOVE AND RESET
REMO.	REMOVE AND STACK
REMO.	REMOVE
RCP	REINFORCED CONCRETE PIPE
RET.	RETAIN
RR	RIGHT OF WAY
RR	RAILROAD
SB	STONE BOUND
SHD.	SHOULDER
SHD.	SLOPED GRANITE CURB
STA.	STATION
STEEL	STEEL
TM	TEMPORARY BENCH MARK
TOP	TOP OF CURB
TOS	TOP OF SLOPE
TSV & B	TAPPING SLEEVE, VALVE AND BOX
TYP.	TYPICAL
UC	UNDER CONSTRUCTION
USGS	U.S. GEOLOGICAL SURVEY
VERT.	VERTICAL CONCRETE CURB
VERT.	VERTICAL CLAY PIPE
VGC	VERTICAL GRANITE CURB
WOR	WHEELCHAIR RAMP

EXISTING LEGEND

PL	PROPERTY LINE
-145-	EXISTING CONTOUR
UP #	UTILITY POLE
OWG	GATE VALVE
CB	CATCH BASIN
TMH	TELEPHONE MANHOLE
DMH	DRAIN MANHOLE
TH	TREE (TYP.)
TH	ENTRANCE THRESHOLD
OHU	OVERHEAD UTILITIES
WL	WATERLINE
DWL	DASHED WHITE LINE
SWL	SOLID WHITE LINE
SYL	SOLID YELLOW LINE
Δ	EDGE OF BORDERING VEGETATED WETLAND

PROPOSED LEGEND

100	PROPOSED INDEX CONTOUR
98	PROPOSED INTERMEDIATE CONTOUR
98.8	PROPOSED SPOT GRADE
	PROPOSED PROPERTY LINE
	PROPOSED MONUMENT
	PROPOSED BUILDING
	PROPOSED EDGE OF PAVEMENT
	PROPOSED CURB
	PROPOSED SIDEWALK
	PROPOSED EDGE GRAVEL DRIVES
	PROPOSED LIMIT OF CLEARING
	PROPOSED FENCE LINE
	PROPOSED WALL
	PROPOSED SETBACK LINE
	PROPOSED EASEMENT LINE
	PROPOSED ZONING BOUNDARY
	PROPOSED RIP RAP
	PROPOSED SIGN POST
	PROPOSED LIGHT POLE
	PROPOSED UTILITY POLE
	PROPOSED GUY POLE
	PROPOSED CATCH BASIN
	PROPOSED DRAIN MANHOLE
	PROPOSED FLEARED END
	PROPOSED SEWER MANHOLE
	PROPOSED WATER MANHOLE
	PROPOSED HYDRANT
	PROPOSED WATER GATE VALVE
	PROPOSED CURB STOP
	PROPOSED WELL LOCATION
	PROPOSED ELECTRIC MANHOLE
	PROPOSED HAND HOLE
	PROPOSED TRANSFORMER PAD
	PROPOSED TELEPHONE MANHOLE
	PROPOSED CONTROLLER CABINET
	PROPOSED GAS GATE
	PROPOSED DRAIN LINE
	PROPOSED SEWER LINE
	PROPOSED WATER LINE
	PROPOSED GAS LINE
	PROPOSED ELECTRIC LINE
	PROPOSED CABLE T.V. & TELEPHONE
	PROPOSED SEPTIC SYSTEM LOCATION
	PROPOSED WETLAND REPLICATION AREA
	PROPOSED SILTATION CONTROL
	PROPOSED LIMIT OF CLEARING
	EXISTING STRUCTURE TO BE DEMOLISHED
	REMOVE & DISPOSE
	REMOVE & RESET
	ADJUST TO GRADE
	ABANDON
	ABANDON IN PLACE
	DOMESTIC WATER SERVICE
	FIRE SERVICE
	TAPPING SLEEVE

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PLANNING BOARD

FIELD
ENGINEERING
CO., INC.
CONSULTING ENGINEERS

11D INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPOSETT, MA 02739
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Revisions			
No.	Description	Date	App'd
6	NO CHANGES THIS SHEET	8/19/20	KJM
5	NO CHANGES THIS SHEET	7/13/20	KJM
4	REVISE PER TOWN REVIEW	12/30/19	KJM
3	NO CHANGES THIS SHEET	12/19/19	KJM
2	NO CHANGES THIS SHEET	12/19/19	KJM
1	NO CHANGES THIS SHEET	11/12/19	KJM

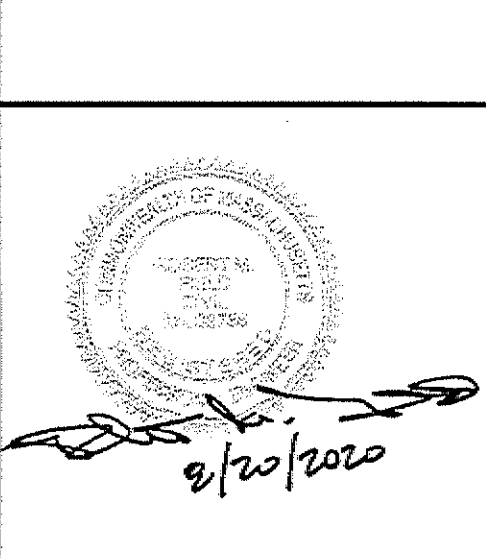
Date 10/25/19

Scale 1"=30'

Drawn By RMS
Designed By KJM
Checked By RMF

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PROPOSED SITE DEVELOPMENT
COASTAL HEALING LLC

248 STATE ROAD
WESTPORT, MASSACHUSETTS

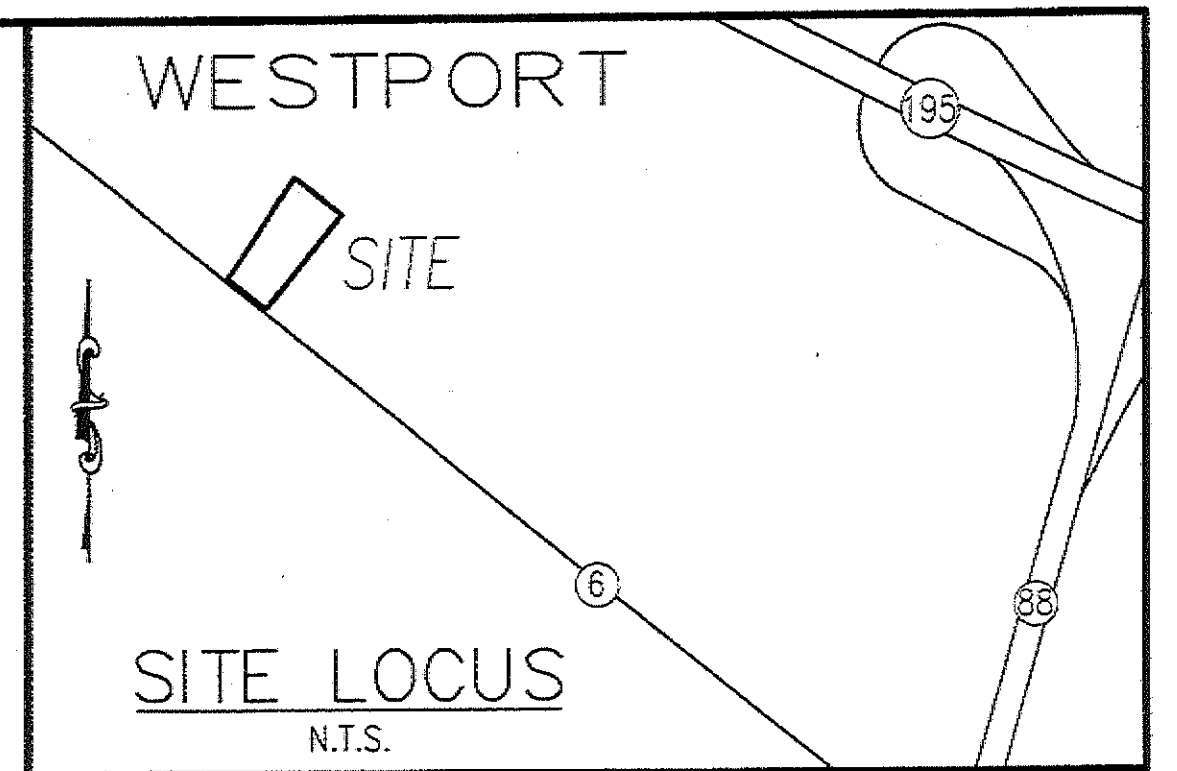
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NOTES & LEGEND

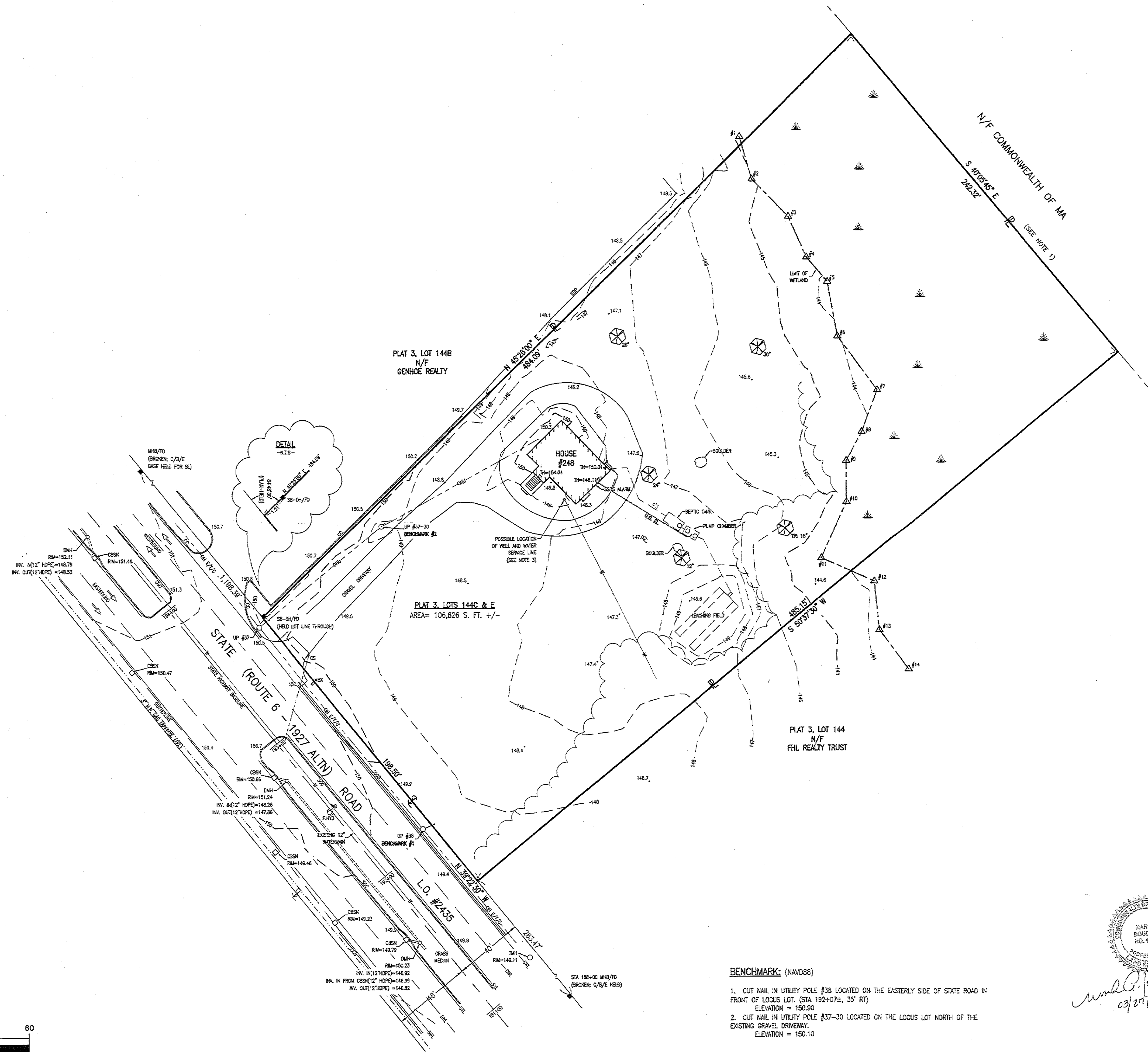
Project No. 2272
Sheet 2 OF 11

N-1

L.O. NO. 2435 (1927 ALTIN)



LEGEND	
	PROPERTY LINE
	EXISTING CONTOUR
	UTILITY POLE
	GATE VALVE
	HYDRANT
	CATCH BASIN
	TELEPHONE MANHOLE
	DRAIN MANHOLE
	TREE (TYP.)
	ENTRANCE THRESHOLD
	OVERHEAD UTILITIES
	WATERLINE
	DASHED WHITE LINE
	SOLID WHITE LINE
	SOLID YELLOW LINE
	EDGE OF BORDERING VEGETATED WETLAND



PLAN REFS.

1. 1927 MDT L.O. #2435
2. L.C. CASE NO. 24625
3. PLAN BK. 55, PG. 49
4. PLAN BK. 131, PG. 68
5. PLAN BK. 173, PG. 103

NOTE:

1. THIS LOT LINE HELD PER RECORD INFORMATION OBTAINED FROM L.C. NO. 24625.
2. LIMIT OF WETLAND WAS DELINEATED BY DAVID PICHETTE, WETLAND SCIENTIST, ON 03/16/2019, AND FIELD LOCATED BY BOUCHER & ASSOCIATES, INC.
3. THE SSSS AS-BUILT INFORMATION SHOWN IS TAKEN FROM A PLAN ENTITLED "SUBSURFACE SEWAGE DISPOSAL SYSTEM - AS-BUILT, APPLICANT: RTE 6 ENTERPRISES C/O DONNA VIVEIROS, PREPARED BY GORODETSKY ENGINEERING, LLC, DATED NOVEMBER 11, 2015"
4. THE LOCATION OF UNDERGROUND UTILITIES HAS BEEN OBTAINED FROM RECORD PLANS AND IS TO BE CONSIDERED APPROXIMATE.

EXISTING CONDITIONS PLAN

248 STATE ROAD
(PLAT 3, LOTS 144C & E)
WESTPORT, MASSACHUSETTS
SCALE: 1"=30' DATE: MARCH 27, 2019
SURVEYED FOR
FIELD ENGINEERING CO., INC.
PREPARED BY
BOUCHER & ASSOCIATES, INC.
LAND SURVEYORS AND CONSULTANTS

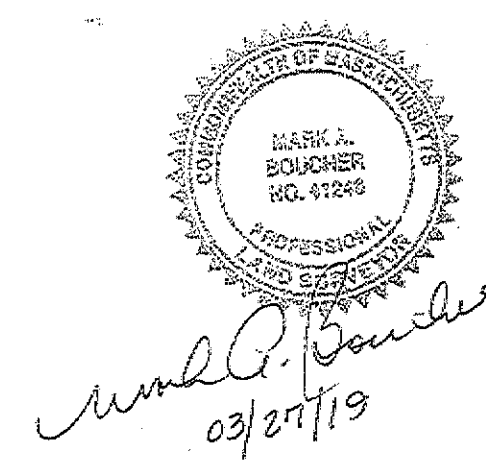
648 AMERICAN LEGION HIGHWAY, WESTPORT, MASSACHUSETTS 02790
508-636-5905

FILE: 3414-01_EC.dwg

30 0 15 30 60
SCALE IN FEET

BENCHMARK: (NAVD88)

1. CUT NAIL IN UTILITY POLE #38 LOCATED ON THE EASTERLY SIDE OF STATE ROAD IN FRONT OF LOCUS LOT. (STA 192+07±, 35' RT)
ELEVATION = 150.90
2. CUT NAIL IN UTILITY POLE #37-30 LOCATED ON THE LOCUS LOT NORTH OF THE EXISTING GRAVEL DRIVEWAY.
ELEVATION = 150.10



Revisions				
7	REVISED LAYOUT EXHIBIT	11/13/20	KJM	
6	REVISE FOR S.P. CONDITION	8/19/20	KJM	
5	REVISE LAYOUT	7/13/20	KJM	
4	REVISE PER TOWN REVIEW	12/30/19	KJM	
3	REVISE LAYOUT	12/19/19	KJM	
2	REVISE ENTRANCE LOCATION	12/16/19	KJM	
1	NO CHANGES THIS SHEET	11/12/19	KJM	
No.	Description	Date	Apprv	

Scale 1"=30'

Drawn By RMS	Designed By KJM	Checked By RMF
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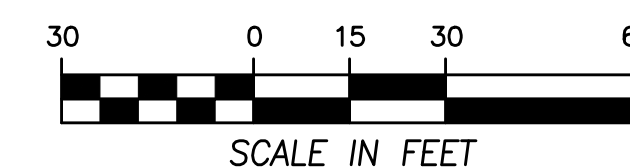
PROPOSED SITE DEVELOPMENT
COASTAL HEALING LLC

248 STATE ROAD
WESTPORT, MASSACHUSETTS

SITE LAYOUT

Project No.	Sheet
2272	4 OF 12

SL-1



1. PROPERTY LINE AND TOPOGRAPHIC INFORMATION OBTAINED FROM AN ON-THE-GROUND SURVEY BY BOUCHER & ASSOCIATES, INC. SPRING, 2019;
2. WETLAND BOUNDARY HAS BEEN APPROVED BY THE WESTPORT CONSERVATION COMMISSION UNDER AN ORDER OF RESOURCE AREA DELINEATION FILE NO. SE-80-2435 DATED 5/17/19;
3. PARKING STRIPING SHALL BE PAINTED SINGLE WHITE LINE (SWL) OR SINGLE YELLOW LINE (SYL) AS SPECIFIED, CONFORMING TO MASSDOT STANDARD SPECIFICATIONS SECTION 860.

THE SUBJECT PARCEL IS LOCATED WITHIN A BUSINESS DISTRICT (B)

<u>(B) DISTRICT REQUIREMENTS</u>		<u>REQUIRED</u>	<u>PROVIDED</u>
LOT AREA		60,000 S.F.	106,626 S.F.
FRONT YARD		25 FT.	74.0 FT.
SIDE YARD		25 FT.	25.0 FT.
REAR YARD		6 FT.	329.2 FT.
MAX. BLDG. HEIGHT		40 FT.	40 FT.
MIN. UPLAND AREA		30,000 S.F.	76,295 S.F.
LOT FRONTAGE		150 FT.	198.50 FT.
<u>ART 25.3.5</u>			
FRONT YARD		50 FT.	75 FT.
SIDE YARD		25 FT.	25 FT.
REAR YARD		25 FT.	328.2 FT.

<u>LANDSCAPE BUFFERS</u>	<u>REQUIRED</u>	<u>PROVIDED</u>
FRONT LOT LINE	20 FT.	26 FT.
REAR LOT LINE	10 FT.	222 FT.
SIDE LOT LINE	10 FT.	10 FT.

FIELD
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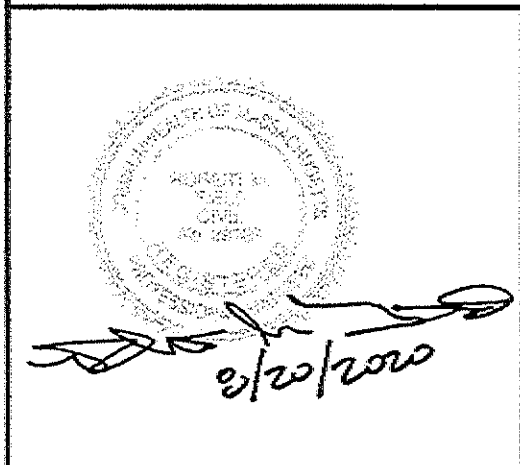
Revisions			
6	REVISE LAYOUT	8/19/20	KJM
5	REVISE LAYOUT	7/13/20	KJM
4	REVISE PER TOWN REVIEW	12/30/19	KJM
3	REVISE LAYOUT	12/19/19	KJM
2	REVISE ENTRANCE LOCATION	12/16/19	KJM
1	NO CHANGES THIS SHEET	11/12/19	KJM
No.	Description	Date	Appr'd.

Date 10/25/19

Scale 1"=30'

Drawn By RMS Designed By KJM Checked By RMF

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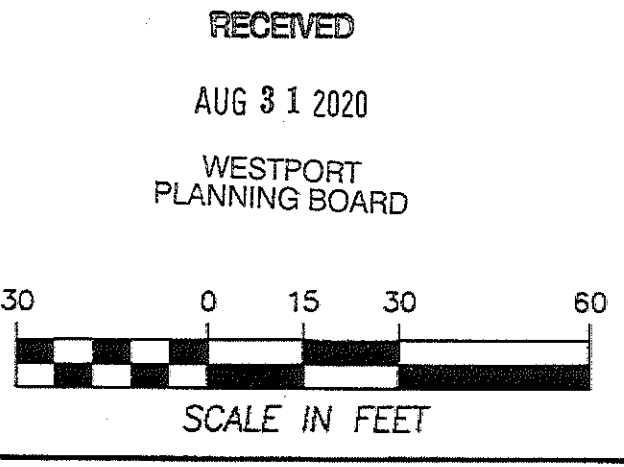
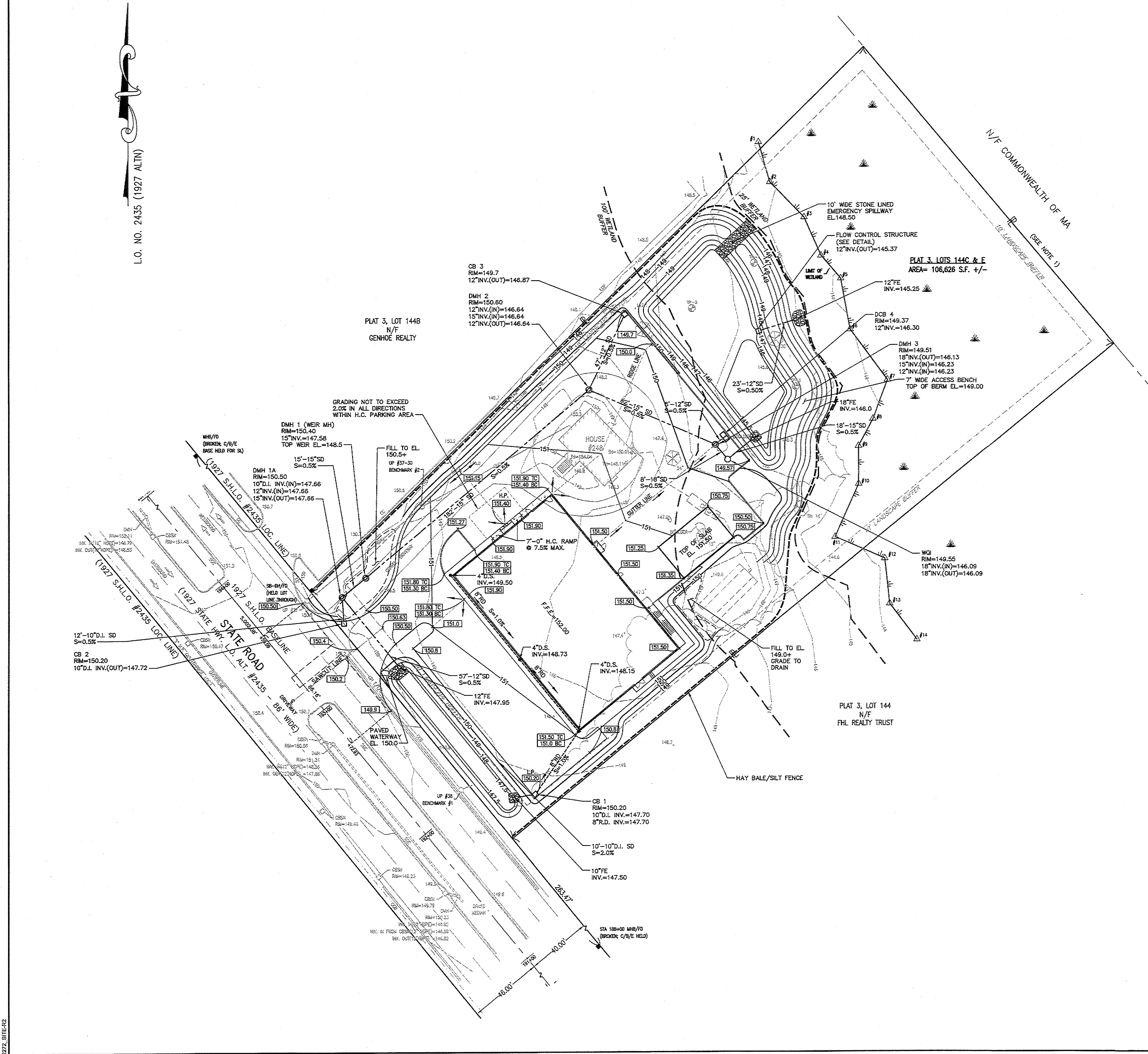
PROPOSED SITE DEVELOPMENT
COASTAL HEALING LLC

248 STATE ROAD
WESTPORT, MASSACHUSETTS

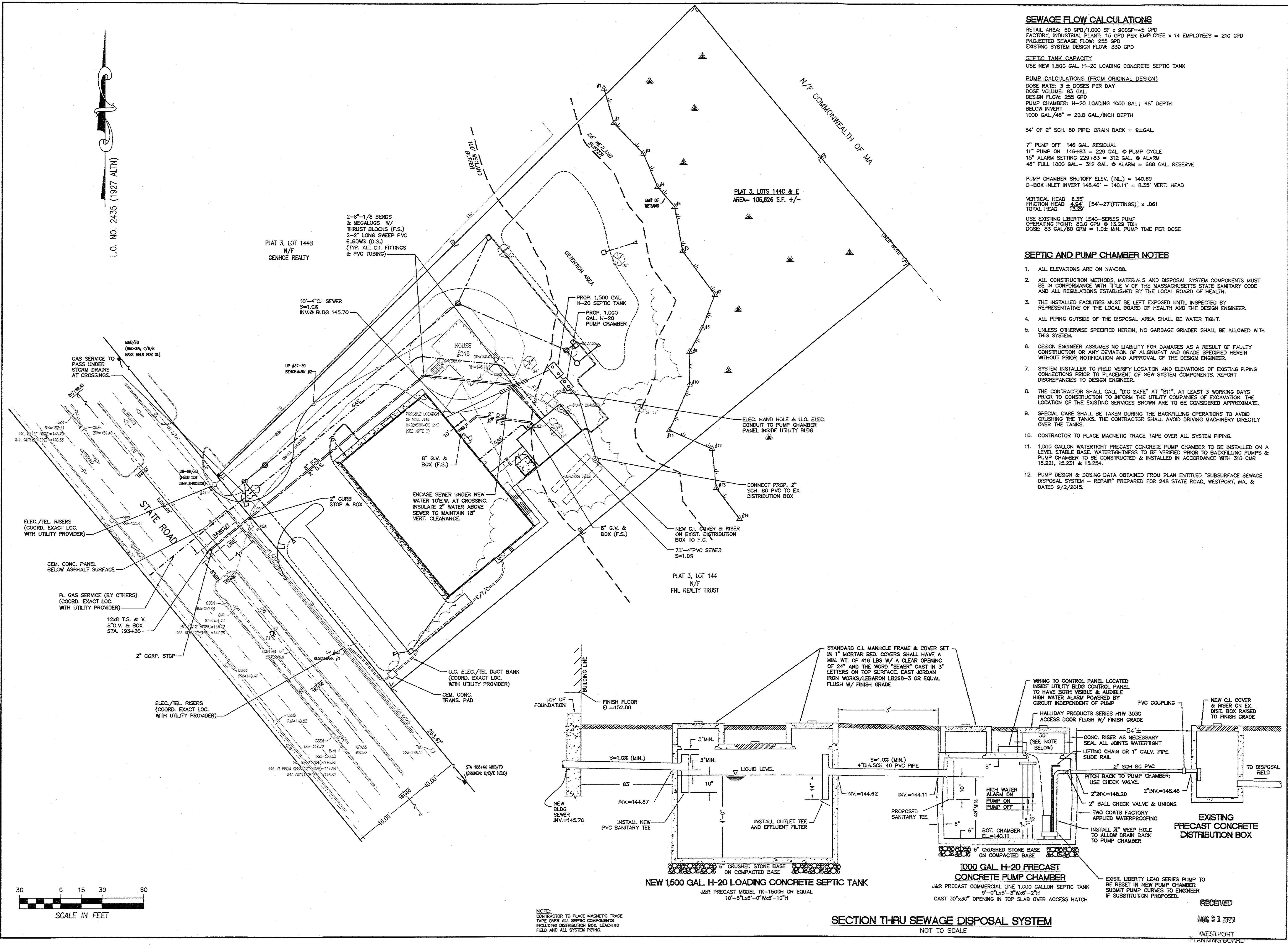
Drawing Title
SITE GRADING
& DRAINAGE

Project No. 2272 Sheet 5 OF 11

SGD-1



2272 SITE-2



SEWAGE FLOW CALCULATIONS

RETAIL AREA: 50 GPD/1,000 SF x 900SF=45 GPD
FACTORY, INDUSTRIAL PLANT: 15 GPD PER EMPLOYEE x 14 EMPLOYEES = 210 GPD
PROJECTED SEWAGE FLOW: 255 GPD
EXISTING SYSTEM DESIGN FLOW: 330 GPD

SEPTIC TANK CAPACITY

USE NEW 1,500 GAL. H-20 LOADING CONCRETE SEPTIC TANK

PUMP CALCULATIONS (FROM ORIGINAL DESIGN)

DOSE RATE: 3 x DOSES PER DAY
DOSE VOLUME: 83 GAL
DESIGN FLOW: 255 GPD
PUMP CHAMBER: H-20 LOADING 1000 GAL.; 48" DEPTH
BELOW INVERT
1000 GAL./48" = 20.8 GAL./INCH DEPTH

54" OF 2" SCH. 80 PIPE: DRAIN BACK = 9± GAL.

7" PUMP OFF 146 GAL. RESIDUAL
11" PUMP ON 146+83 = 229 GAL. @ PUMP CYCLE
15" ALARM SETTING 229+83 = 312 GAL. @ ALARM
48" FULL 1000 GAL. - 312 GAL. @ ALARM = 688 GAL. RESERVE

PUMP CHAMBER SHUTOFF ELEV. (INL.) = 140.69
D-BOX INLET INVERT 148.46' - 140.11' = 8.35' VERT. HEAD

VERTICAL HEAD 8.35'
FRICTION HEAD 4.94' [54'x27'(FITTINGS)] x .061
TOTAL HEAD 13.29'

USE EXISTING LIBERTY LE40-SERIES PUMP
OPERATING POINT: 80.0 GPM @ 13.29' TDH
DOSE: 83 GAL/80 GPM = 1.0± MIN. PUMP TIME PER DOSE

SEPTIC AND PUMP CHAMBER NOTES

1. ALL ELEVATIONS ARE ON NAVD88.
2. ALL CONSTRUCTION METHODS, MATERIALS AND DISPOSAL SYSTEM COMPONENTS MUST BE IN CONFORMANCE WITH TITLE V OF THE MASSACHUSETTS STATE SANITARY CODE AND ALL REGULATIONS ESTABLISHED BY THE LOCAL BOARD OF HEALTH.
3. THE INSTALLED FACILITIES MUST BE LEFT EXPOSED UNTIL INSPECTED BY REPRESENTATIVE OF THE LOCAL BOARD OF HEALTH AND THE DESIGN ENGINEER.
4. ALL PIPING OUTSIDE OF THE DISPOSAL AREA SHALL BE WATER TIGHT.
5. UNLESS OTHERWISE SPECIFIED HEREIN, NO GARBAGE GRINDER SHALL BE ALLOWED WITH THIS SYSTEM.
6. DESIGN ENGINEER ASSUMES NO LIABILITY FOR DAMAGES AS A RESULT OF FAULTY CONSTRUCTION OR ANY DEVIATION OF ALIGNMENT AND GRADE SPECIFIED HEREIN WITHOUT PRIOR NOTIFICATION AND APPROVAL OF THE DESIGN ENGINEER.
7. SYSTEM INSTALLER TO FIELD VERIFY LOCATION AND ELEVATIONS OF EXISTING PIPING CONNECTIONS PRIOR TO PLACEMENT OF NEW SYSTEM COMPONENTS. REPORT DISCREPANCIES TO DESIGN ENGINEER.
8. THE CONTRACTOR SHALL CALL "DIG SAFE" AT "811", AT LEAST 3 WORKING DAYS PRIOR TO CONSTRUCTION TO INFORM THE UTILITY COMPANIES OF EXCAVATION. THE LOCATION OF THE EXISTING SERVICES SHOWN ARE TO BE CONSIDERED APPROXIMATE.
9. SPECIAL CARE SHALL BE TAKEN DURING THE BACKFILLING OPERATIONS TO AVOID CRUSHING THE TANKS. THE CONTRACTOR SHALL AVOID DRIVING MACHINERY DIRECTLY OVER THE TANKS.
10. CONTRACTOR TO PLACE MAGNETIC TRACE TAPE OVER ALL SYSTEM PIPING.
11. 1,000 GALLON WATERTIGHT PRECAST CONCRETE PUMP CHAMBER TO BE INSTALLED ON A LEVEL STABLE BASE. WATERTIGHTNESS TO BE VERIFIED PRIOR TO BACKFILLING PUMPS & PUMP CHAMBER TO BE CONSTRUCTED & INSTALLED IN ACCORDANCE WITH 310 CMR 15.221, 15.231 & 15.254.
12. PUMP DESIGN & DOSING DATA OBTAINED FROM PLAN ENTITLED "SUBSURFACE SEWAGE DISPOSAL SYSTEM - REPAIR" PREPARED FOR 248 STATE ROAD, WESTPORT, MA, & DATED 9/2/2015.

FIELD ENGINEERING CO., INC.
CONSULTING ENGINEERS

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FAX: (508) 758-2849

Revisions			
No.	Description	Date	App'd.
6	ADD ISOS TANKS	8/9/20	KJM
5	REVISE LAYOUT & SEPTIC	7/13/20	KJM
4	REVISE PER TOWN REVIEW	12/20/19	KJM
3	REVISE LAYOUT	12/19/19	KJM
2	REVISE ENTRANCE LOCATION	12/16/19	KJM
1	NO CHANGES THIS SHEET	11/12/19	KJM

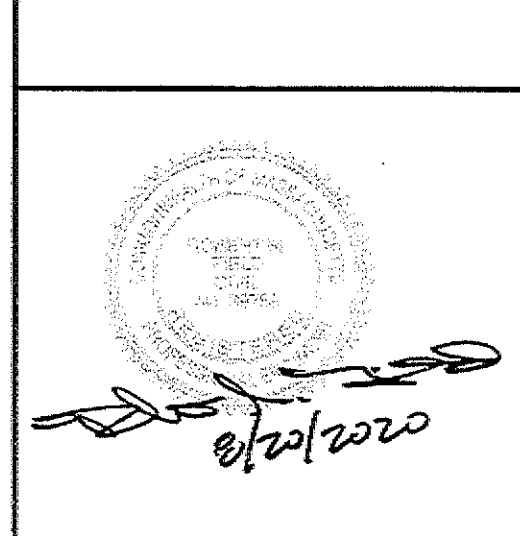
Date 10/25/19

Scale 1"=30'

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RMS	KJM	RMF

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PROPOSED SITE DEVELOPMENT
COASTAL HEALING LLC

248 STATE ROAD
WESTPORT, MASSACHUSETTS

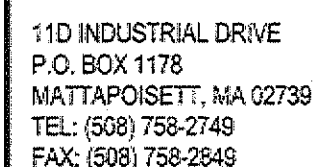
Drawing Title

SITE UTILITIES

Project No.	Sheet
2272	6 OF 11

SU-1

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Date 10/25/19

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248 STATE ROAD
WESTPORT, MASSACHUSETTS

SITE PREPARATION

SP-1



Revisions				
7	REVISED LANDSCAPING EXHIBIT	11/12/20	KJM	
6	REVISE LAYOUT	8/19/20	KJM	
5	REVISE LAYOUT	7/3/20	KJM	
4	REVISE PER TOWN REVIEW	12/30/19	KJM	
3	REVISE LAYOUT	12/19/19	KJM	
2	REVISE ENTRANCE LOCATION	12/18/19	KJM	
1	NO CHANGES THIS SHEET	11/12/19	KJM	
No.	Description	Date	Appvd	
Date 10/25/19				

Scale		
1"=30'		
Drawn By	Designed By	Checked By
RMS	KJM	RMF

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PROPOSED SITE DEVELOPMENT
COASTAL HEALING LLC

248 STATE ROAD
WESTPORT, MASSACHUSETTS

Drawing Title	
LANDSCAPING PLAN	
Project No.	Sheet
2272	8 OF 12

LSP-1

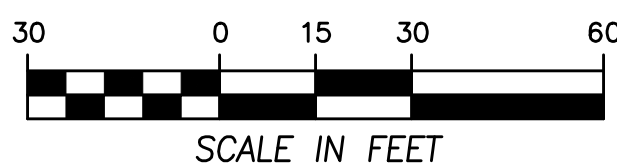
PLANTING NOTES

1. PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS INDICATED; INCLUDING ALL LABOR, MATERIALS, PLANTS, EQUIPMENT, INCIDENTALS, AND CLEAN-UP.
2. PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY; HAVE NORMAL GROWTH HABITS; WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE FROM DEFECTS AND INJURIES.
3. ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN VIGOROUS GROWING CONDITION. PROVISIONS SHALL BE MADE FOR A GROWTH GUARANTEE OF AT LEAST ONE YEAR FROM THE DATE OF ACCEPTANCE FOR TREES AND SHRUBS. REPLACEMENTS SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.
4. INSOFAR AS IT IS PRACTICABLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE DAY PERIOD AFTER DELIVERY. ANY PLANTS NOT INSTALLED DURING THIS PERIOD WILL BE REJECTED.
5. QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH ANSI Z60 (REV. 1980) "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.
6. ALL PLANTS SHALL BE PLANTED IN TRANSPORTED TOP SOIL THAT IS THOROUGHLY WATERED AND TAMPED AS BACK FILLING PROGRESSES. PLANTING MIX TO BE AS SHOWN ON PLANTING DETAILS. RAISE AND REPLANT ANY PLANT WHICH SETTLES MORE THAN 2" AFTER PLANTING AND WATERING.
7. FERTILIZER FOR WOODY PLANTS SHALL BE SLOW RELEASE, PELLUTIZED AND SUITABLE FOR RELEASE UNDER SATURATED SOIL CONDITIONS. FERTILIZER SHALL BE OSMOCOTE 18-5-11, 12-14 MONTH RELEASE OR EQUAL.
8. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES. PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE BALL ONLY.
9. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MUDDY OR FROZEN CONDITION. ALL PLANT MATERIAL SHALL BE SPRAYED WITH "WILT-PRUF" OR EQUAL AS PER MANUFACTURER'S INSTRUCTIONS.
10. NO PLANT, EXCEPT GROUND COVERS, SHALL BE PLANTED LESS THAN TWO FEET FROM EXISTING STRUCTURES AND SIDEWALKS.
11. SET ALL PLANTS PLUMB AND STRAIGHT. LOCATE PLANT IN THE CENTER OF THE PIT.
12. ALL DEADWOOD, SUCKERS, OR BROKEN OR BADLY BRUISED BRANCHES SHALL BE REMOVED. CONTAINER GROWN PLANTS SHALL NOT BE THINNED.
13. TREES SHALL BE SUPPORTED IMMEDIATELY AFTER PLANTING. TREES SHALL BE STAKED AS SHOWN ON THE DETAIL. THE LANDSCAPE CONTRACTOR SHALL REMOVE STAKING AND GUYING AT THE END OF THE ONE YEAR MAINTENANCE AND GUARANTEE PERIOD.
14. NEW PLANTING AREAS SHALL BE ADEQUATELY IRRIGATED OR WATERED TO ESTABLISH THE PROPOSED PLANTS AND SEED AREAS.
15. PRIOR TO THE ACCEPTANCE BY THE OWNER, THE PROPOSED LANDSCAPE AS SHOWN ON THE APPROVED LANDSCAPE PLAN MUST BE INSTALLED, INSPECTED AND APPROVED BY THE OWNERS REPRESENTATIVE. ALTERNATE SPECIES MAY BE ALLOWED SUBJECT TO WRITTEN APPROVAL BY THE OWNER AND MASS DEVELOPMENT. FAILURE TO COMPLY WITH THESE REQUIREMENTS WILL REQUIRE THE REMOVAL OF ANY PLANTINGS IN QUESTION. THIS REQUIREMENT DOES NOT APPLY TO SEEDING OR SODDING OR PLANTINGS SPECIFICALLY FOR SOIL STABILIZATION.
16. THE CONTRACTOR SHALL SUBMIT A MATERIALS LIST INCLUDING THE SPECIES, SIZE, AND NUMBER OF PLANTS TO THE OWNER AND THE MASS DEVELOPMENT FOR APPROVAL PRIOR TO ORDERING OF MATERIALS. EXACT LOCATIONS OF ALL PLANTINGS SHALL BE STAKED OUT FOR REVIEW AND APPROVAL BY THE OWNER PRIOR TO PLANT INSTALLATION.

LEGEND

- RED OAK
- SUGAR MAPLE
- BLUEWAVE HYDRANGEA
- DWARF FOTHERGILLA/
GREEN WAVE SPREADING YEW
- LEYLAND CYPRESS
- RED MAPLE
- ARROW-WOOD
- COMMON JUNIPER

ORNAMENTAL PLANT LIST				
QTY.	KEY	BOTANICAL NAME	COMMON NAME	SIZE
28	FO	FOTHERGILLA GARDENII	DWARF FOTHERGILLA	18"-24" HT.
3	TC	TAXUS CUSPIDATA "GREENWAVE"	GREEN WAVE SPREADING YEW	2.5'-3' HT.
3	AS	ACER SACCHARUM	SUGAR MAPLE	3" CAL.
9	CL	CUPRESSUS LEYLANDII	LEYLAND CYPRESS	5'-6' HT.
9	HM	HYDRANGEA MACROPHYLLA	BLUEWAVE HYDRANGEA	#3
5	QR	QUERCUS RUBRA	RED OAK	3" CAL.
5	AR	ACER RUBRUM	RED MAPLE	3" CAL.
8	VD	VIBURNUM DENTATUM	ARROW-WOOD	18"-24" HT.
8	JC	JUNIPERUS COMMUNIS	COMMON JUNIPER	18"-24" HT.



SECTION 20.6.1.d INTERIOR LANDSCAPE REQUIREMENTS

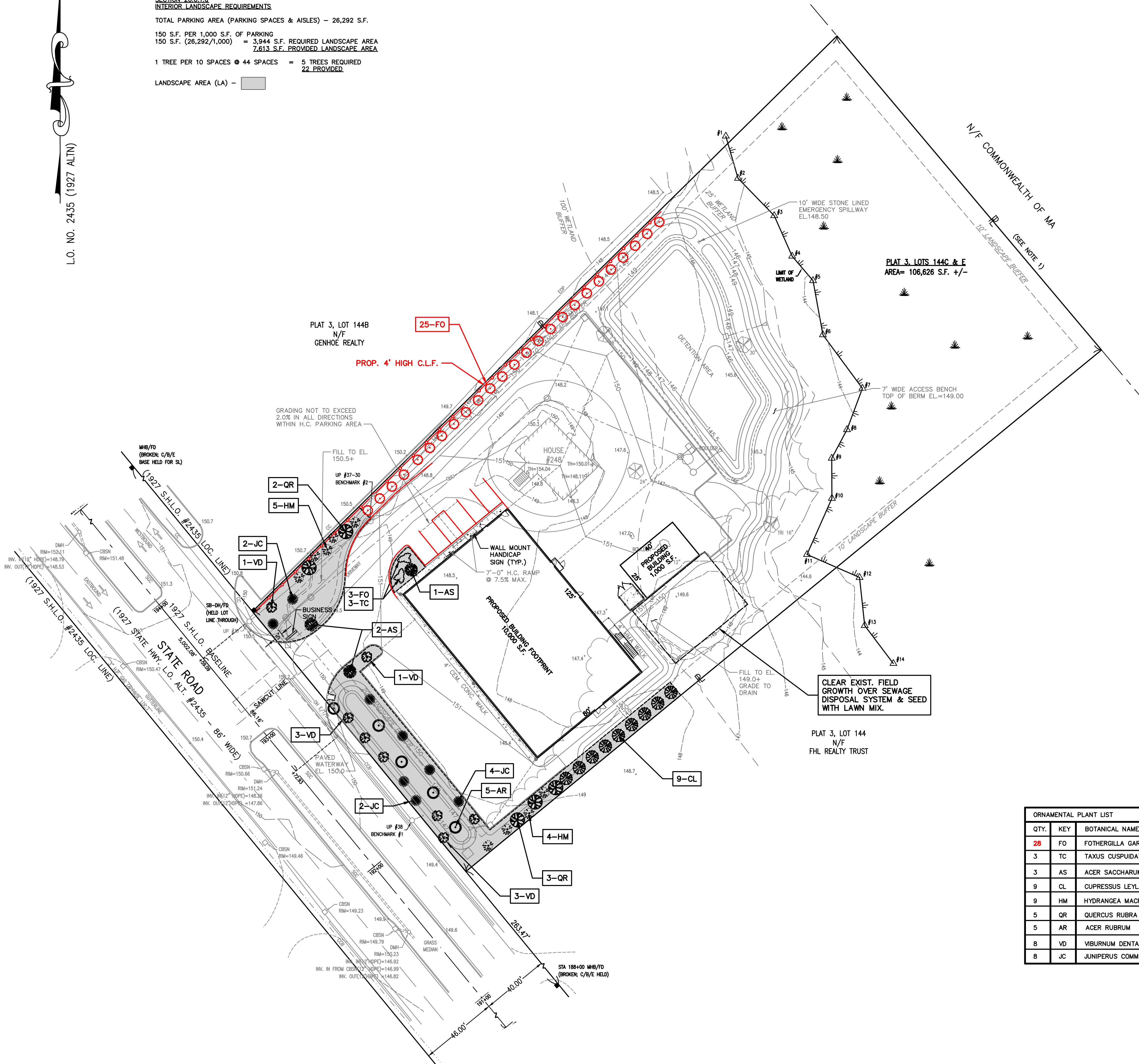
TOTAL PARKING AREA (PARKING SPACES & AISLES) - 26,292 S.F.

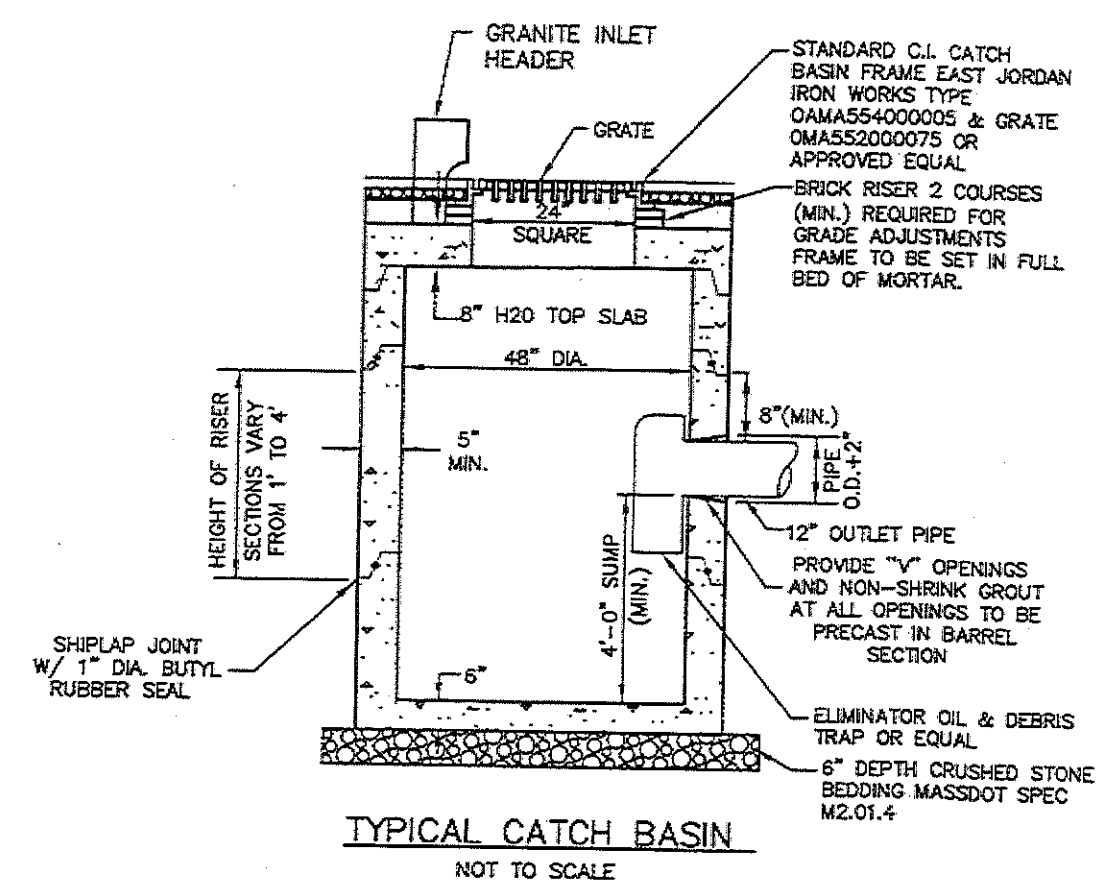
150 S.F. PER 1,000 S.F. OF PARKING
150 S.F. (26,292/1,000) = 3,944 S.F. REQUIRED LANDSCAPE AREA
7,613 S.F. PROVIDED LANDSCAPE AREA

1 TREE PER 10 SPACES @ 44 SPACES = 5 TREES REQUIRED
22 PROVIDED

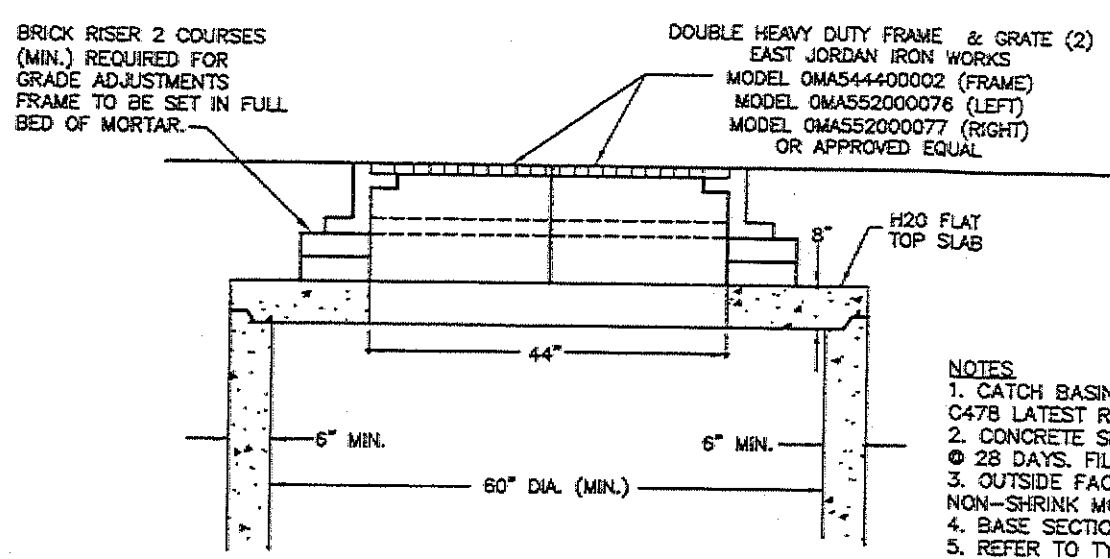
LANDSCAPE AREA (LA) -

L.O. NO. 2435 (1927 ALTN)

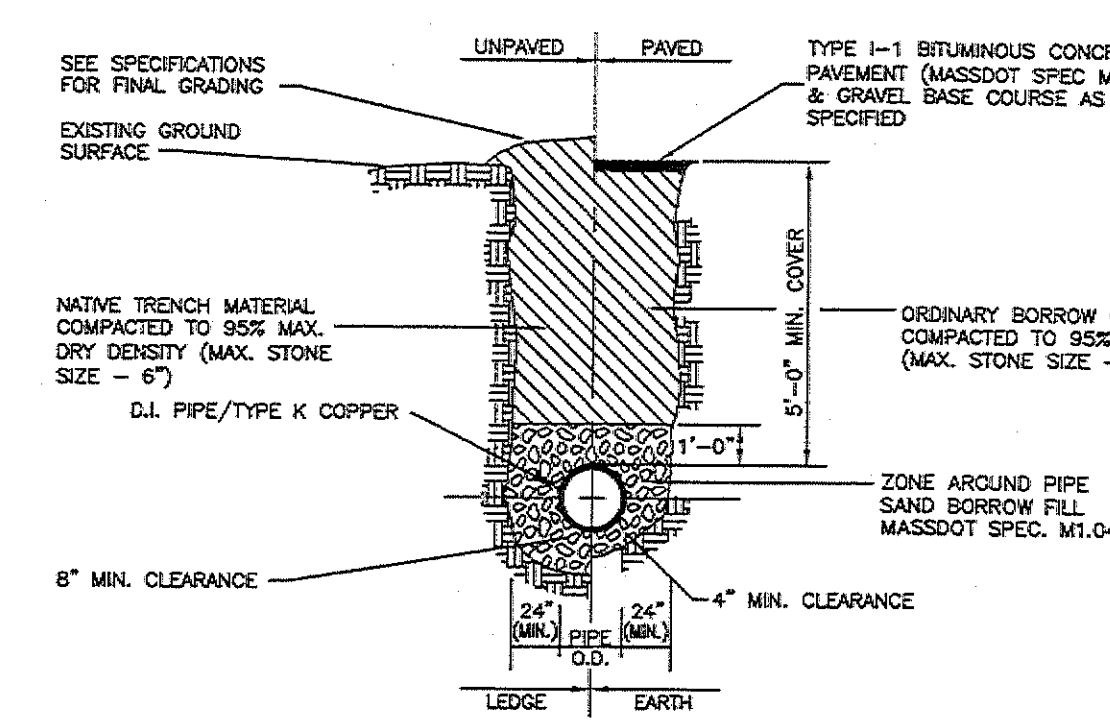




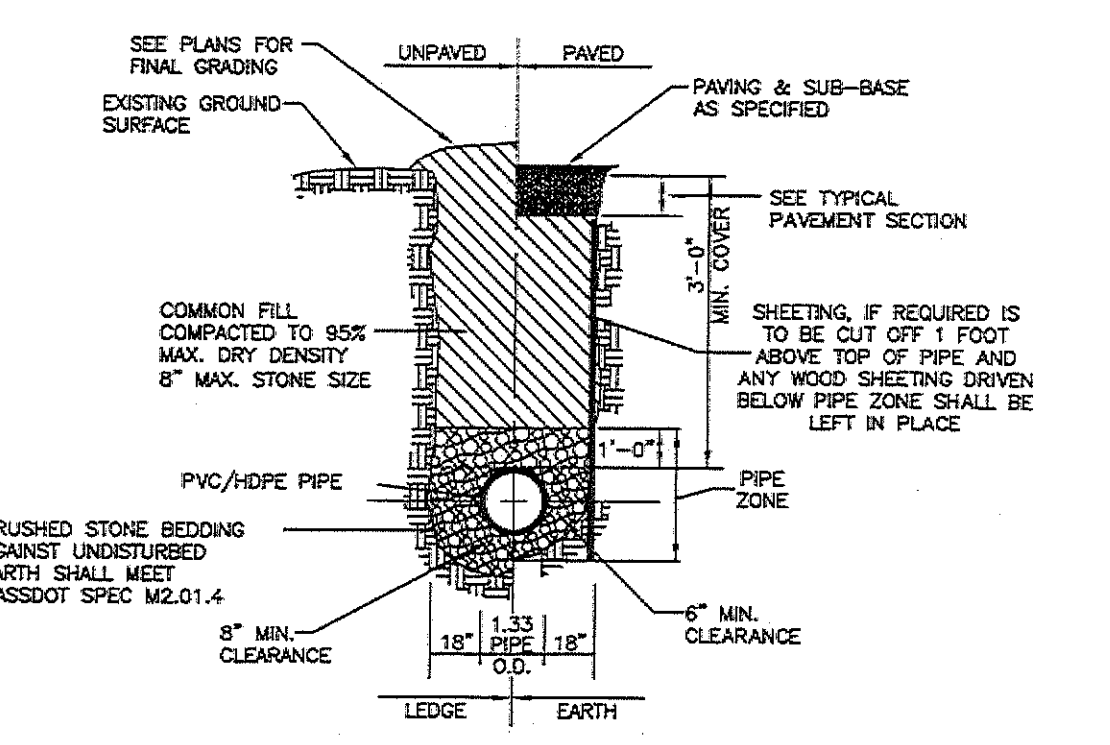
NOTES:
 1. CATCH BASIN DESIGN TO CONFORM TO ASTM C478 LATEST REVISION.
 2. CONCRETE SHALL BE WET CAST 4000 P.S.I. @ 28 DAYS.
 3. FILL OUTSIDE FACE OF ALL MANHOLE JOINTS WITH NON-SHRINK MORTAR.
 4. BASE SECTION TO BE MONOLITHIC.
 5. WHERE CATCH BASIN OF GREATER DIAMETER ARE SPECIFIED ON THE PLANS, THEIR CONSTRUCTION SHALL MEET THE TYPICAL CATCH BASIN SPECIFICATIONS.
 6. DOUBLE CATCH BASIN GRATES REQUIRE A 5" INSIDE DIAMETER STRUCTURE.
 7. USE 4" FRAMES AS REQUIRED TO ENSURE FINISHED GRADES ARE MET AND BRICK COURSES FOR ADJUSTABILITY ARE PROVIDED.



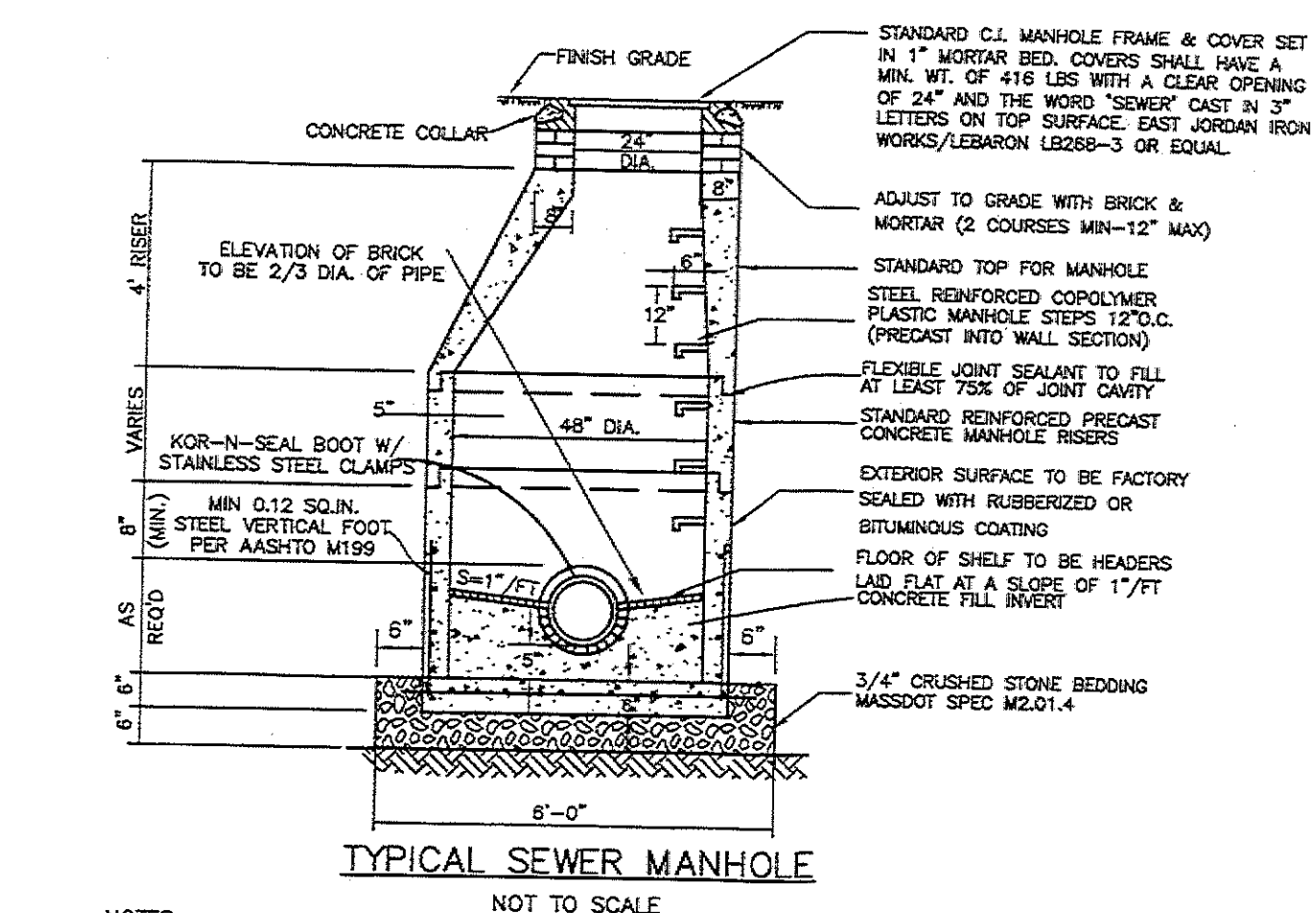
NOTES:
 1. CATCH BASIN DESIGN TO CONFORM TO ASTM C478 LATEST REVISION.
 2. CONCRETE SHALL BE WET CAST 4000 P.S.I. @ 28 DAYS.
 3. FILL OUTSIDE FACE OF ALL MANHOLE JOINTS WITH NON-SHRINK MORTAR.
 4. BASE SECTION TO BE MONOLITHIC.
 5. REFER TO TYPICAL CATCH BASIN DETAIL ON THIS SHEET FOR ADDITIONAL INFORMATION.



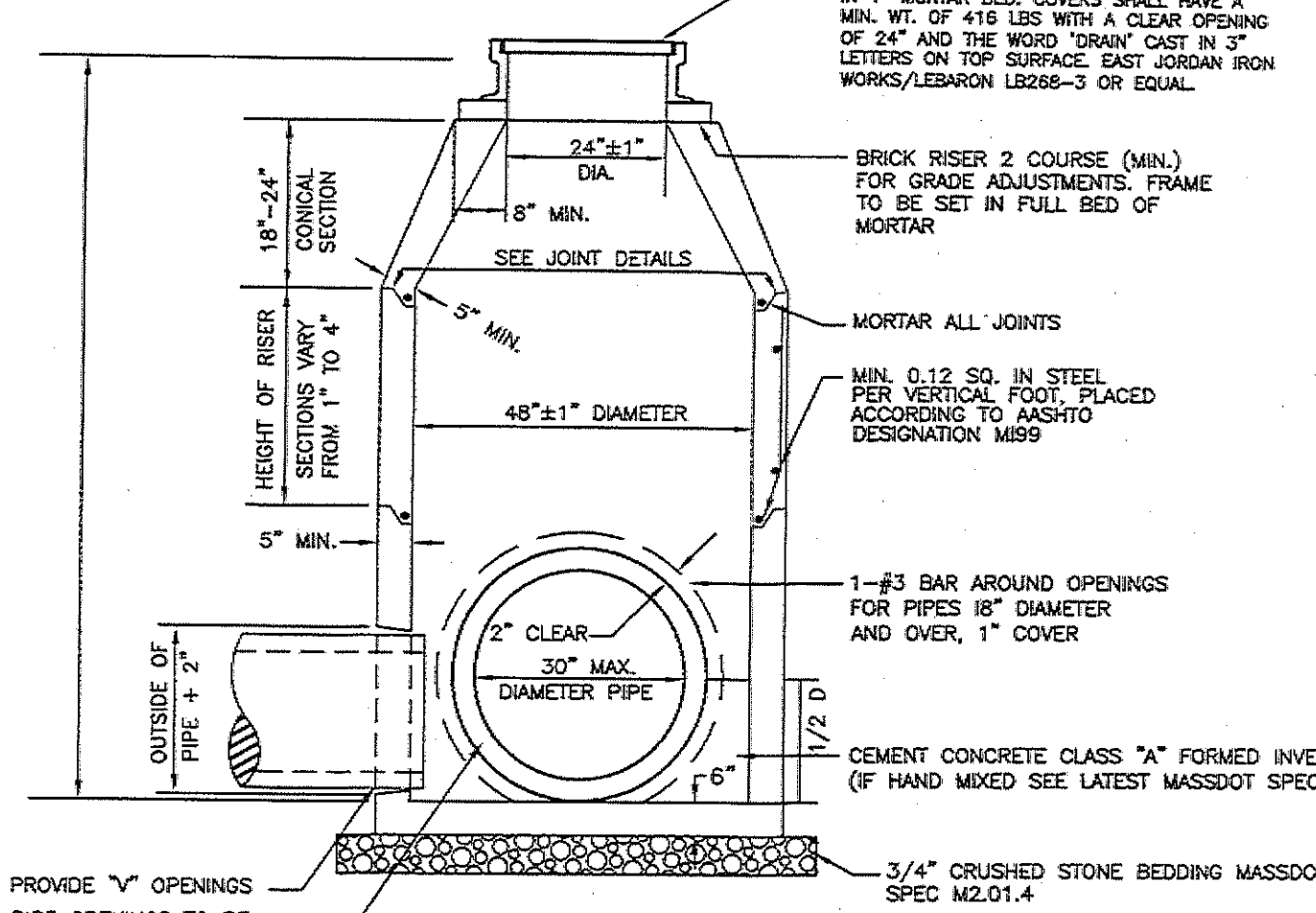
1. ALL FITTINGS, GATE VALVES & END CAPS TO BE CONNECTED WITH MEGALUG RESTRAINED JOINTS.
 2. TRENCH WIDTH SHALL BE AS REQUIRED TO PROVIDE ADEQUATE SHORING DURING CONSTRUCTION IN ACCORDANCE WITH ALL APPLICABLE TRENCHING AND SHORING REGULATIONS.



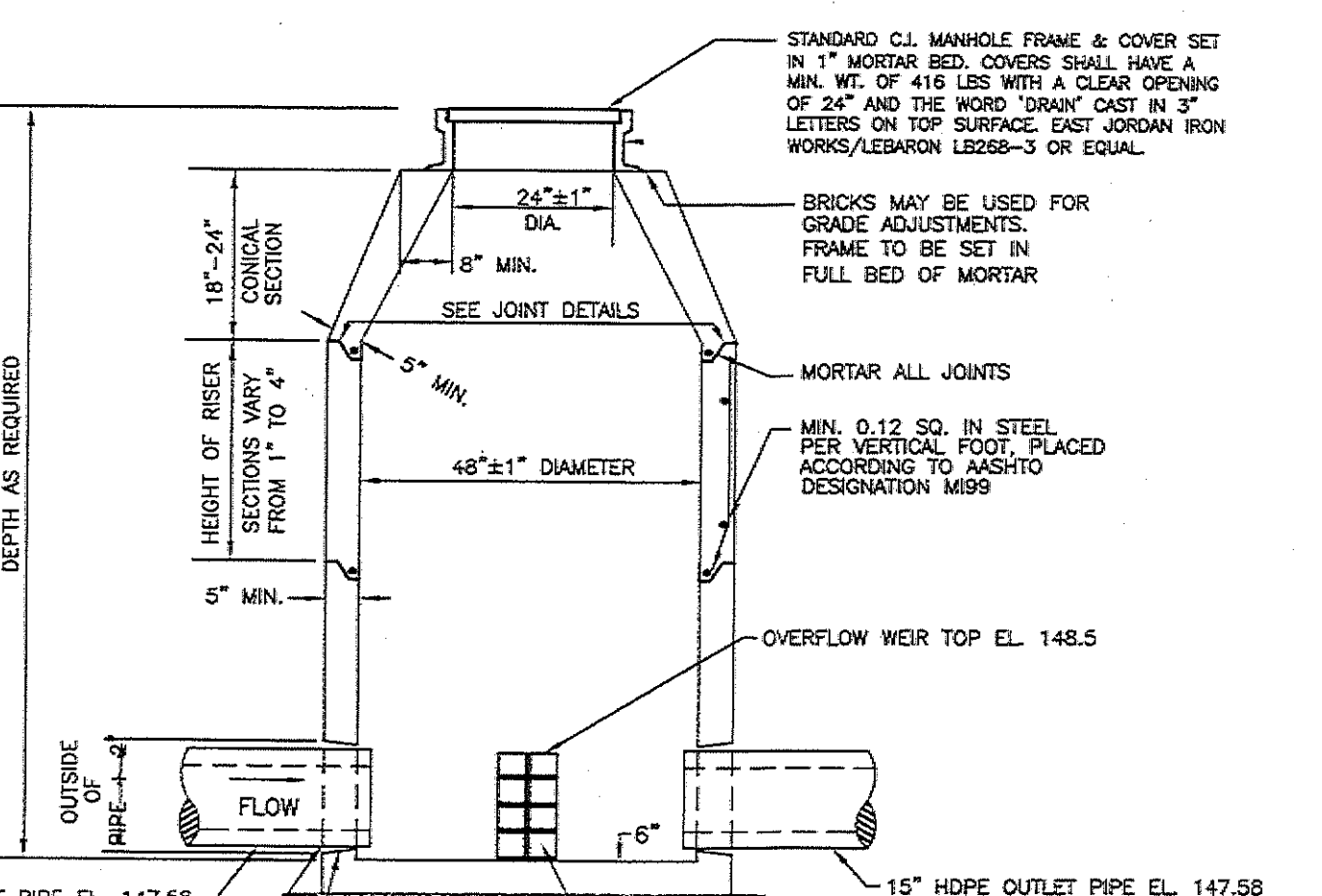
NOTES:
 1. MANHOLE DESIGN TO CONFORM TO ASTM C478 LATEST REVISION.
 2. CONCRETE SHALL BE WET CAST 4000 P.S.I. @ 28 DAYS.
 3. USE FLAT TOP SLAB WHEN HEIGHT OF CONE SECTION IS LESS THAN 3'-0".
 4. FILL OUTSIDE FACE OF ALL MANHOLE JOINTS WITH NON-SHRINK MORTAR.



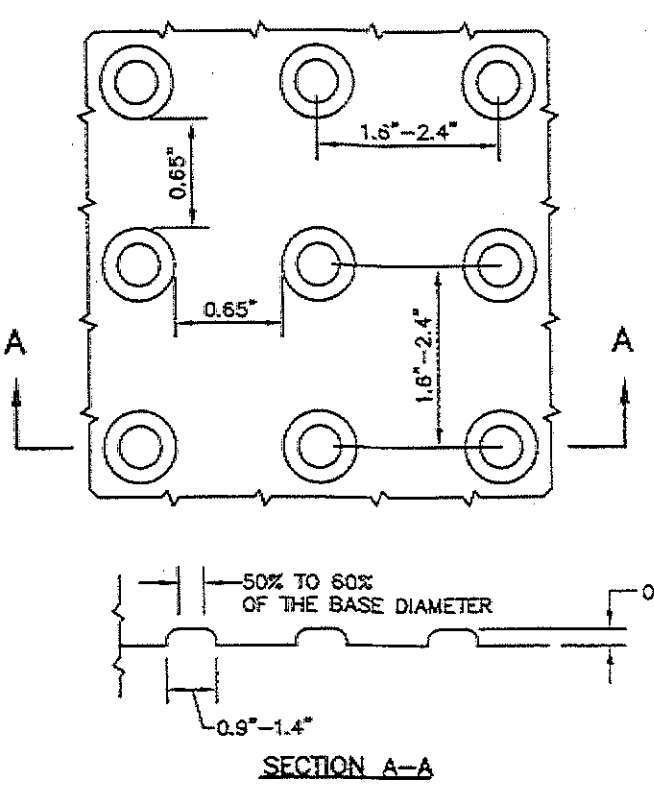
NOTES:
 1. MANHOLE DESIGN TO CONFORM TO "PRECAST CONCRETE MANHOLE SECTIONS-ASTM C478 LATEST REVISION.
 2. FILL OUTSIDE FACE OF ALL MANHOLE JOINTS WITH NON-SHRINK MORTAR.
 3. USE FLAT TOP SLAB WHEN HEIGHT OF CONE SECTION IS LESS THAN 3'-0".
 4. PROVIDE PIPE JOINTS NO MORE THAN 3'-0" FROM OUTSIDE FACE OF MANHOLE.
 5. PLUG LIFT HOLES SOLID W/ MASTIC.
 6. PROVIDE FLEXIBLE SLEEVE & STAINLESS STEEL STRAP AT ALL PIPE TO MANHOLE JOINTS.
 7. COAT OUTSIDE SURFACE WITH BITUMINOUS WATERPROOFING.



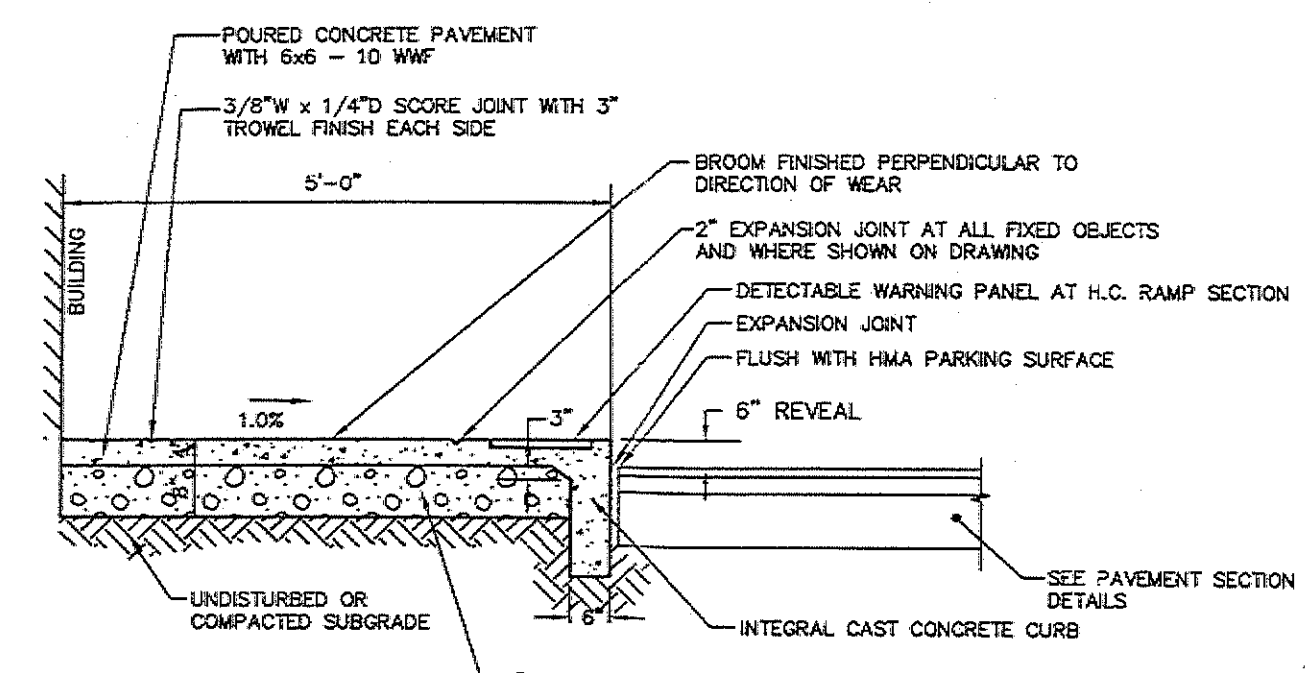
NOTES:
 1. MANHOLE DESIGN TO CONFORM TO ASTM C478 LATEST REVISION.
 2. CONCRETE SHALL BE WET CAST 4000 P.S.I. @ 28 DAYS.
 3. USE FLAT TOP SLAB WHEN FINISHED GRADE ELEVATIONS PROHIBIT THE USE OF A CONE SECTION.
 4. FILL OUTSIDE FACE OF ALL MANHOLE JOINTS WITH NON-SHRINK MORTAR.
 5. WHERE DRAIN MANHOLES OF GREATER DIAMETER ARE SPECIFIED ON THE PLANS, THEIR CONSTRUCTION SHALL MEET THE TYPICAL DRAIN MANHOLE SPECIFICATIONS.



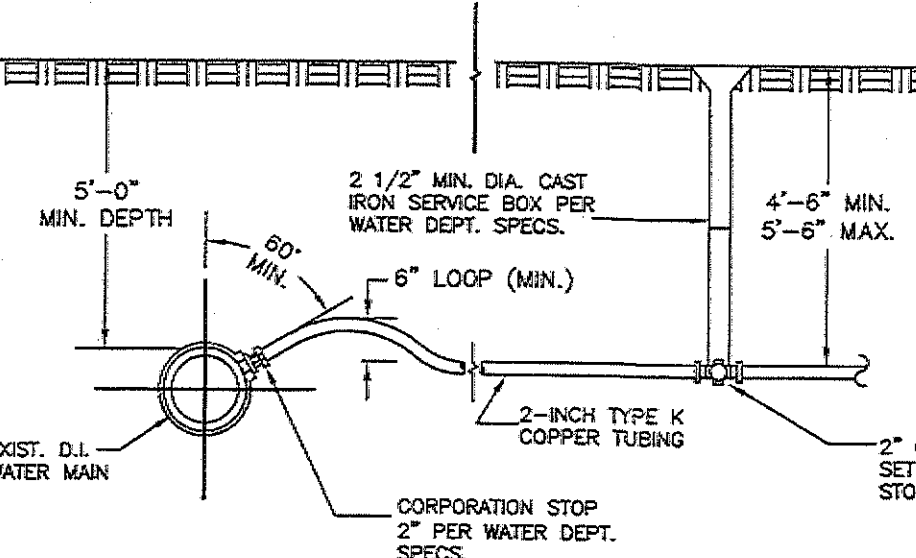
NOTES:
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 3. USE FLAT TOP SLAB WHEN HEIGHT OF CONE SECTION IS LESS THAN 3'-0".
 4. FILL OUTSIDE FACE OF ALL MANHOLE JOINTS WITH NON-SHRINK MORTAR.



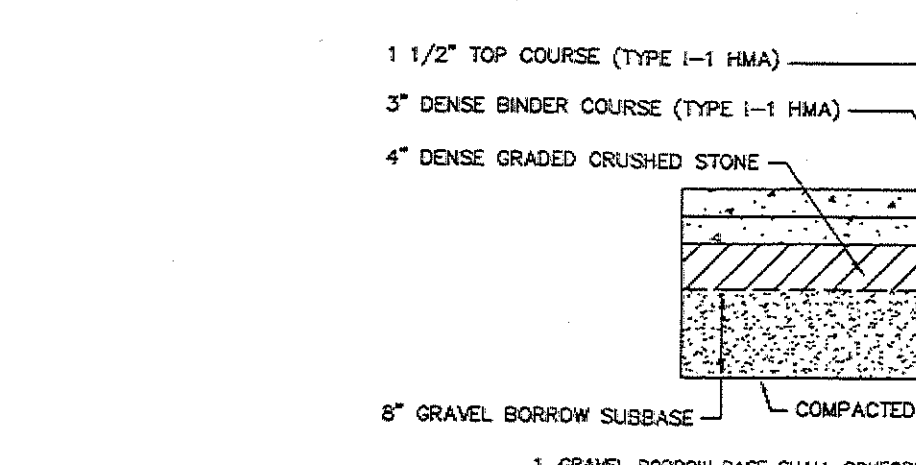
NOTES:
 1. PANELS SHALL BE 24480P4V1 AS MANUFACTURED BY ADA SOLUTIONS, INC.
 2. PANELS SHALL BE YELLOW IN COLOR UNLESS OTHERWISE SPECIFIED.



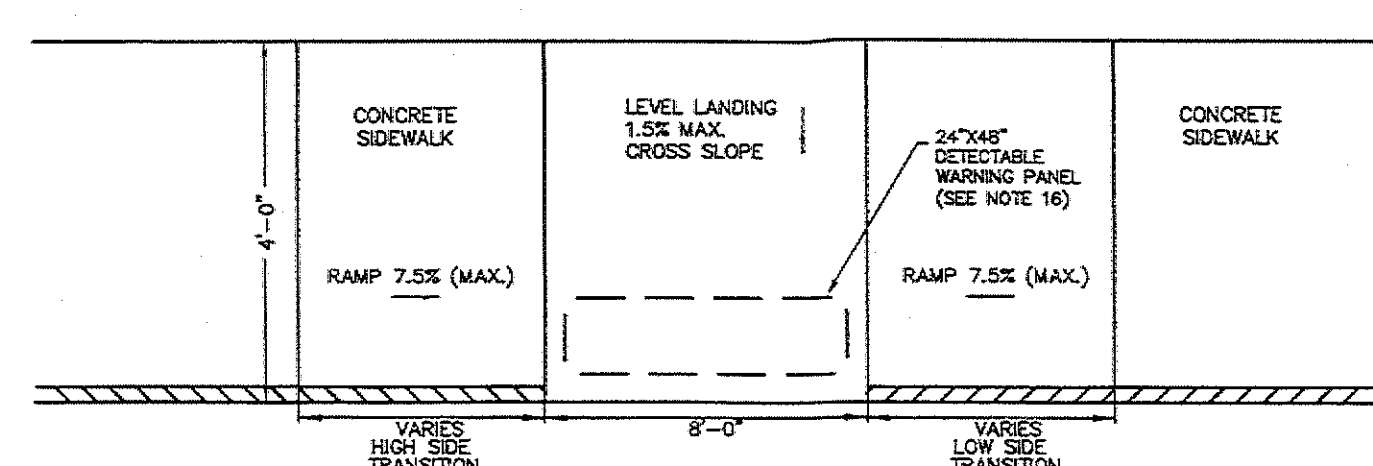
NOTES:
 1. SCORE JOINT SPACING: MIN. - 4'-0" MAX. - 6'-0", UNLESS OTHERWISE SHOWN ON PLAN.
 2. EQUAL SPACING BETWEEN EXPANSION JOINTS, 32'-0" MAX., UNLESS OTHERWISE SHOWN ON PLAN.
 3. CEMENT CONCRETE SHALL CONFORM TO MASSDOT SPEC M4.02.00 AND SHALL HAVE 4,000 P.S.I. COMPRESSIVE STRENGTH @ 28 DAYS WITH A CEMENT CONTENT OF 600#/CY; MAX. AGGREGATE SIZE 3/8"



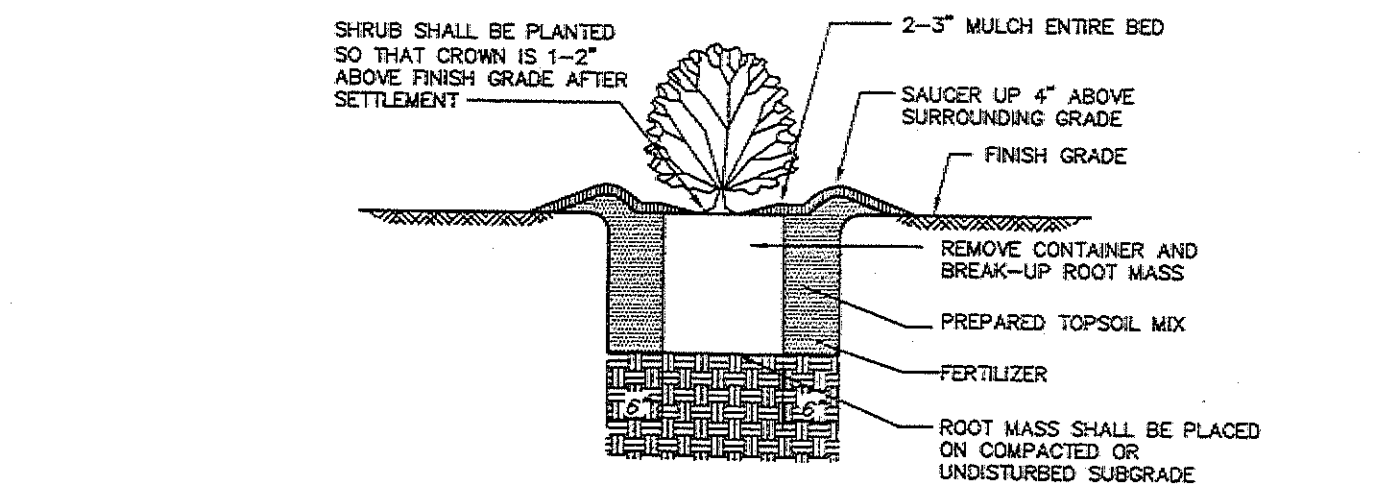
NOTES:
 1. GRAVEL BORROW BASE SHALL CONFORM TO MASSDOT STANDARD SPECIFICATIONS FOR GRAVEL BORROW SEC. M1.03.00 TYPE B COMPACTED TO 95% MAX. DRY DENSITY IN 6" MAX. LIFTS.
 2. BITUMINOUS PAVEMENT SHALL CONFORM TO MASSDOT STANDARD SPECIFICATIONS FOR CLASS 1 TYPE I-1 BITUMINOUS CONCRETE PAVEMENT SEC. 400.2. SUBMIT JOB-MAX FORMULA TO THE OWNERS REPRESENTATIVE FOR APPROVAL.
 3. DENSE CRUSHED STONE SHALL CONFORM TO MASSDOT STANDARD SPECIFICATIONS FOR GRAVEL BORROW SEC. M2.01.7 COMPACTED TO 95% MAX. DRY DENSITY IN 6" MAX. LIFTS.



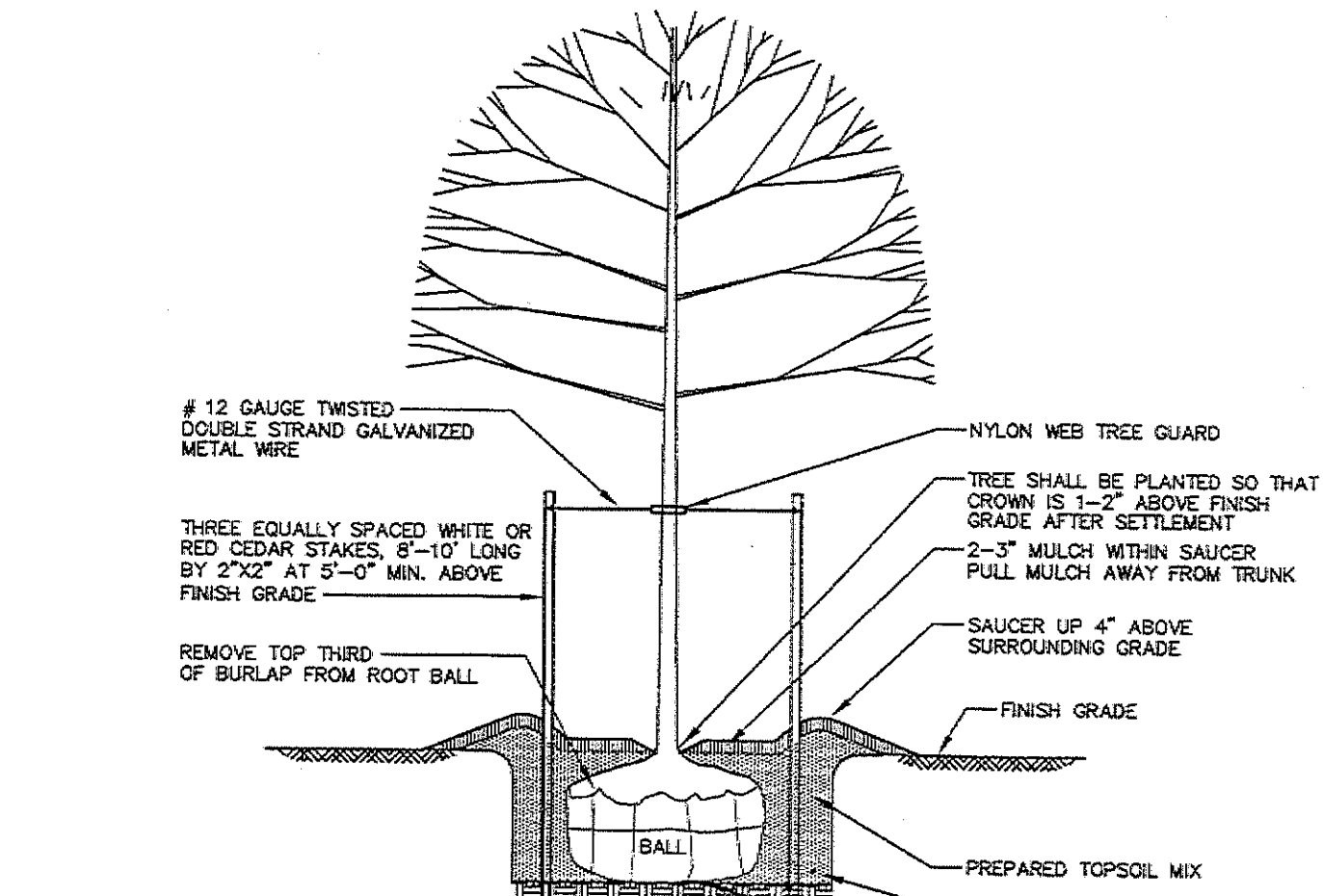
NOTES:
 1. MANHOLE DESIGN TO CONFORM TO ASTM C478 LATEST REVISION.
 2. CONCRETE SHALL BE WET CAST 4000 P.S.I. @ 28 DAYS.
 3. USE FLAT TOP SLAB WHEN HEIGHT OF CONE SECTION IS LESS THAN 3'-0".
 4. FILL OUTSIDE FACE OF ALL MANHOLE JOINTS WITH NON-SHRINK MORTAR.



NOTES:
 1. THE SIDEWALK CROSS SLOPE MUST NOT EXCEED 1.5% FOR CEMENT CONCRETE (REFER TO STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, SECTION 700.6).
 2. AN UNOBSTRUCTED PATH OF TRAVEL WITH A MINIMUM WIDTH OF 36" SHALL BE MAINTAINED.
 3. THE WHEELCHAIR RAMP SLOPE AND SIDE OF SLOPES (TRANSITIONS), MUST NOT EXCEED 1:12. HOWEVER THESE SLOPES MAY BE FLATTER THAN 1:12 WHEN WARRANTED BY SURROUNDING CONDITIONS.
 4. WHERE THE ROAD PROFILE EXCEEDS 5% THE HIGH SIDE FRONT TRANSITION LENGTH SHALL BE 20'-0".
 5. IN NO CASE, WHERE A STOP LINE IS WARRANTED, SHALL A RAMP BE PLACED BEHIND THE STOP LINE.
 6. FIXED OBJECTS-UTILITY POLES, HYDRANTS ETC.-MUST NOT ENCRUMBER WHEELCHAIR RAMP.
 7. AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP TO BE LOCATED OUTSIDE OF THE CROSSWALK AND IT IS TO BE CENTERED WHENEVER POSSIBLE.
 8. CATCH BASINS WHICH ARE TO BE LOCATED IN THE VICINITY OF A WHEELCHAIR RAMP SHOULD BE LOCATED UP-GRAD ELEVATION WHENEVER POSSIBLE.
 9. THE ENTRANCE OF THE WHEELCHAIR RAMP SHALL BE FLUSH WITH PARKING AREA.
 10. TESTING SURFACE - WHEN TESTING A STRAIGHT EDGE PLACED PARALLEL TO THE LINE OF SLOPE, THERE SHALL BE NO DEVIATION FROM A TRUE SURFACE IN EXCESS OF 1/4" OF AN INCH.
 11. WHEN IT IS TECHNOLOGICALLY UNFEASIBLE TO CONSTRUCT WHEELCHAIR RAMP IN COMPLIANCE WITH THE ARCHITECTURAL ACCESS BOARD'S REGULATIONS, A VARIANCE WILL NEED TO BE SUBMITTED. THE DEPARTMENT'S HANDICAPPED ACCESSIBILITY SECTION SHOULD BE CONTACTED UNDER THESE CIRCUMSTANCES.
 12. THE CENTERLINE OF THE WHEELCHAIR RAMP MUST BE CONSTRUCTED PERPENDICULAR TO THE CURB. IN CASES WHERE THE CROSSWALK IS SLOPED WITH THE RAMP, A TURNING RADIUS OF 8.0 FT. ENTIRELY CONTAINED WITHIN THE CROSSWALK MUST BE PROVIDED AT THE BASE OF THE WHEELCHAIR RAMP.
 13. THE CONTRACTOR SHALL OBTAIN GRADES AT ALL W.C. RAMP LOCATIONS AND SHALL SET TRANSITION LENGTHS ACCORDING TO THE APPROPRIATE TABLES AND DETAILS SHOWN.
 14. THE ENTIRE WHEELCHAIR RAMP SHALL BE CONSTRUCTED OF CEMENT CONCRETE.
 15. ALL RAMP JOINTS AND TRANSITION SECTIONS WHICH DEFINE GRADE CHANGES SHALL BE FORMED AND STAMPED PER APPROVAL BY THE PROJECT ENGINEER PRIOR TO PLACING BITUMINOUS CONCRETE.
 16. DETECTABLE WARNING PANELS SHALL BE CAST-IN-PLACE COMPOSITE PAVEMENT UNIT MODEL NO. 24480P4V2 AS MANUFACTURED BY ADA SOLUTIONS, INC. OR APPROVED EQUAL UNIT SHALL BE FEDERAL YELLOW IN COLOR UNLESS OTHERWISE SPECIFIED BY THE OWNER.



NOTES:
 1. PREPARED TOPSOIL MIX SHALL CONSIST OF HIGH ORGANIC SOIL WITH NO LESS THAN 10% ORGANIC MATTER.
 2. ALL PLANTS SHALL BE FLOODED WITH WATER TWICE WITHIN THE FIRST TWENTY-FOUR HOUR PERIOD AFTER PLANTING.



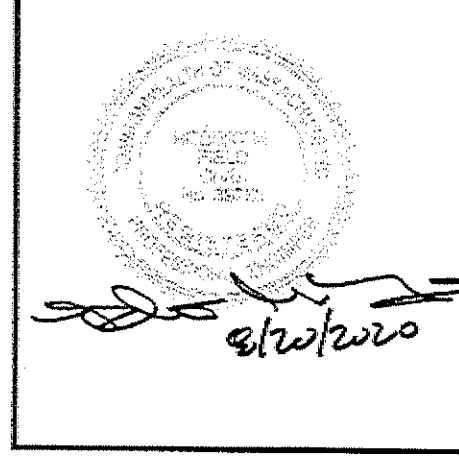
NOTES:
 1. PREPARED TOPSOIL MIX SHALL CONSIST OF HIGH ORGANIC SOIL WITH NO LESS THAN 10% ORGANIC MATTER.
 2. ALL PLANTS SHALL BE FLOODED WITH WATER TWICE WITHIN THE FIRST TWENTY-FOUR HOUR PERIOD AFTER PLANTING.

Revisions			
No.	Description	Date	Appr.
6	REVISE CATCH BASIN DETAIL	8/19/20	KJM
5	NO CHANGES THIS SHEET	7/13/20	KJM
4	REVISE PER TOWN REVIEW	12/30/19	KJM
3	NO CHANGES THIS SHEET	12/15/19	KJM
2	NO CHANGES THIS SHEET	12/16/19	KJM
1	REVISE SIDEWALK WIDTH	11/12/19	KJM
No.		Description	Date
Date		10/25/19	

Scale: **AS NOTED**

Drawn By: **RMS** Designed By: **KJM** Checked By: **RMF**

Issued For: **PERMITTING**



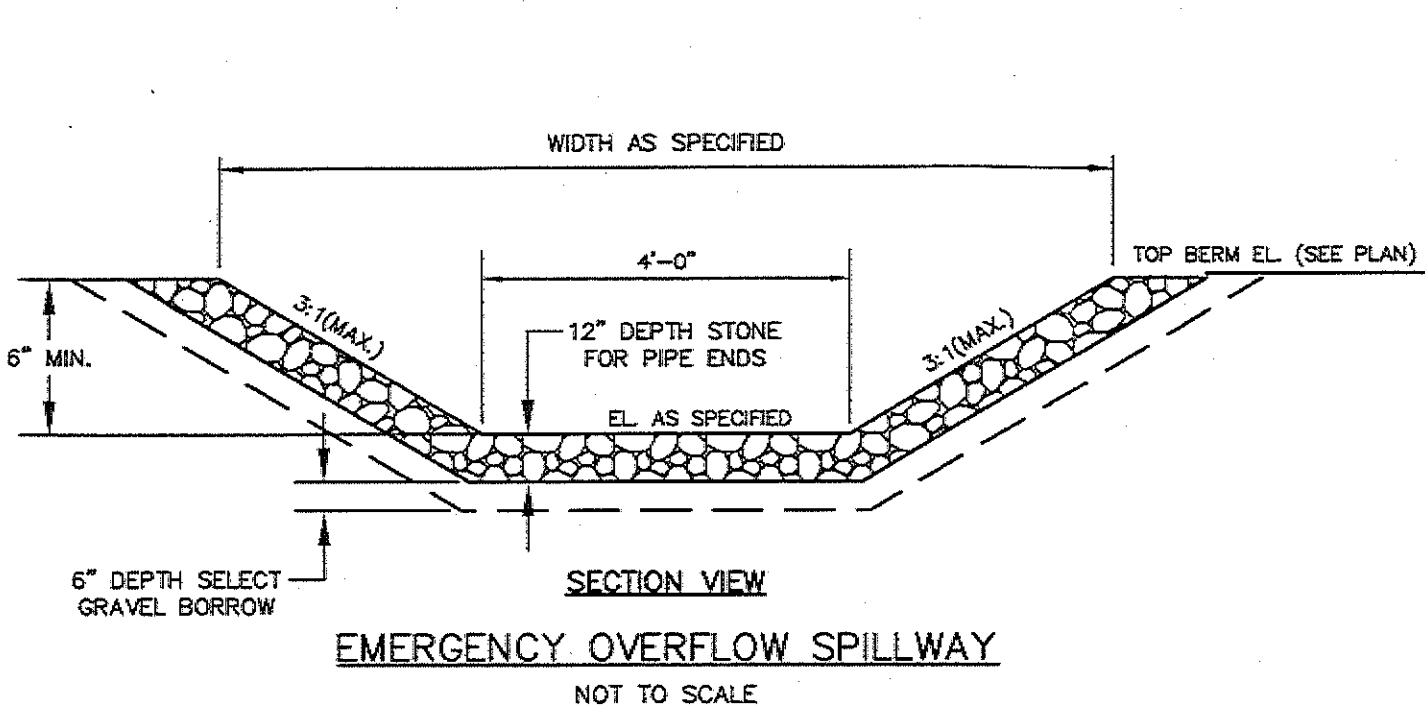
PROPOSED SITE DEVELOPMENT
COASTAL HEALING LLC
 248 STATE ROAD
 WESTPORT, MASSACHUSETTS

Drawing Title: **SITE DETAILS**

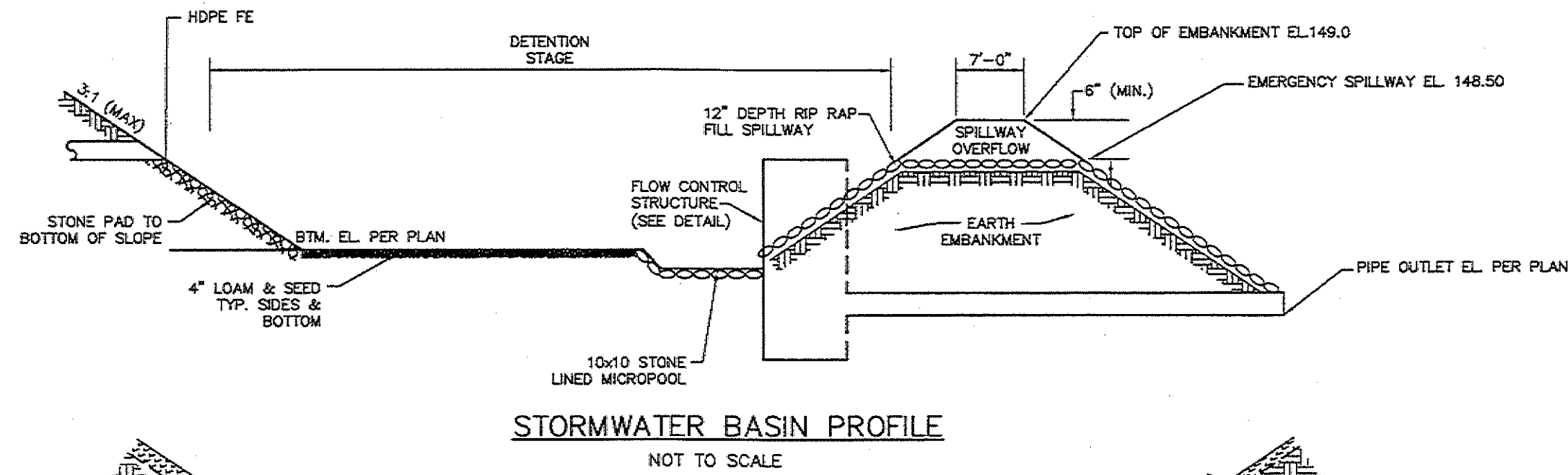
Project No.: **2272** Sheet: **9 OF 11**

D-1

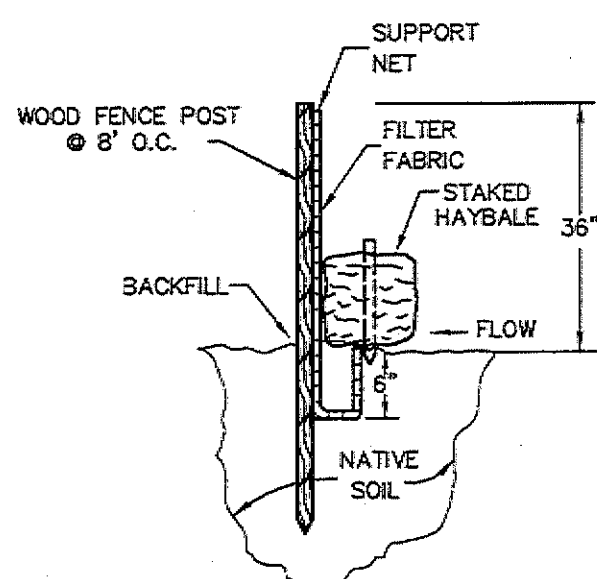
RECEIVED
 AUG 31 2020
 WESTPORT
 PLANNING BOARD



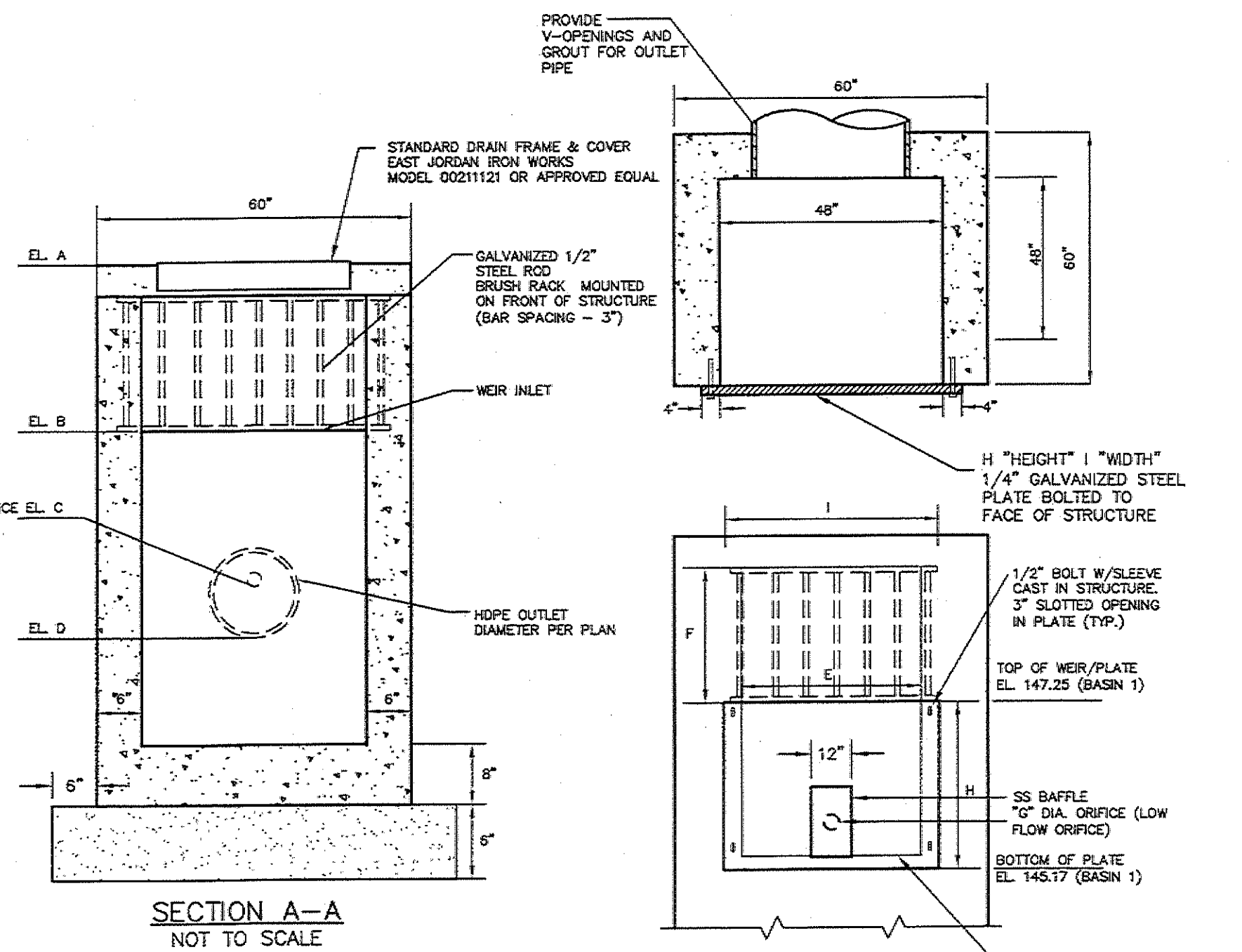
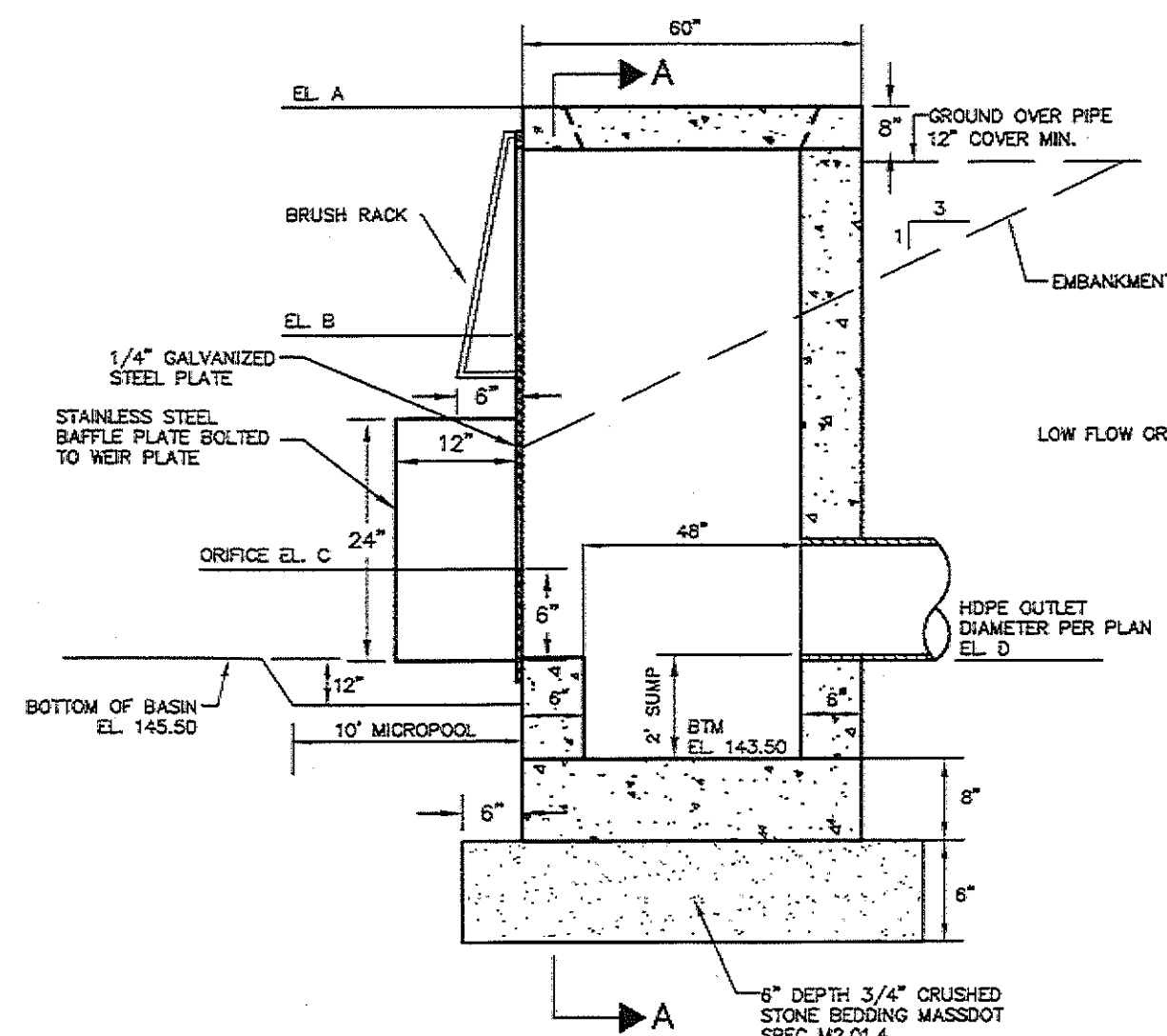
1.) STONE FILL SHALL CONFORM TO MASSDOT SPECIFICATIONS M2.02.3 STONE FOR PIPE ENDS



1.) STORMWATER BASIN BOTTOM AREA AND SIDE SLOPES TO BE SEED WITH NEW ENGLAND CONSERVATION/MIDLIFE MAX AS SUPPLIED BY NEW ENGLAND WETLAND PLANTS, INC. (OR APPROVED EQUAL)

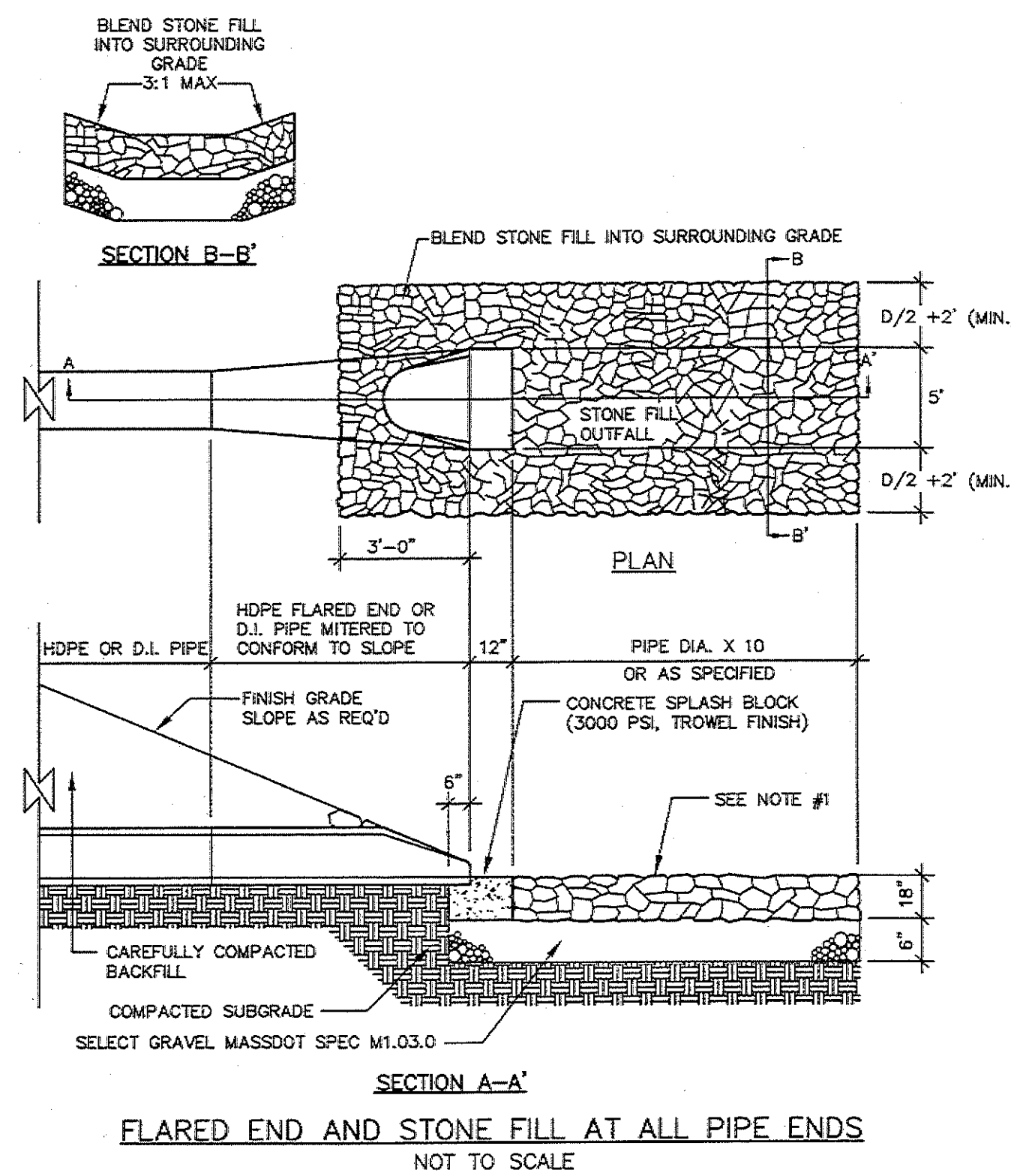


TYPICAL SILT FENCE DETAIL
NOT TO SCALE

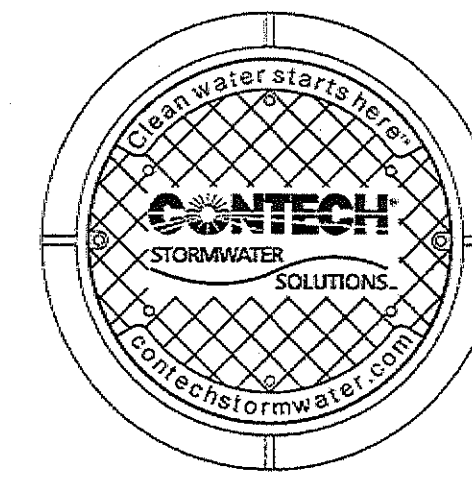
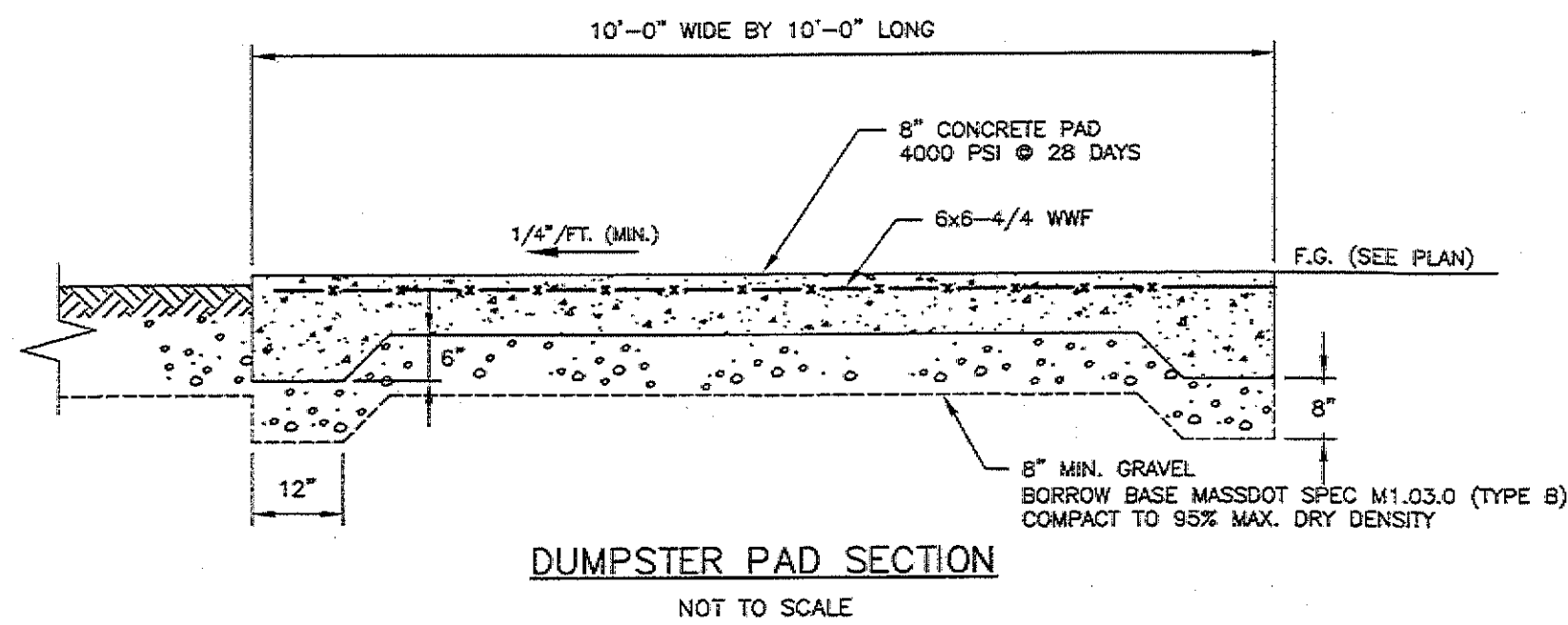


ELEVATION/DIMENSION TABLE

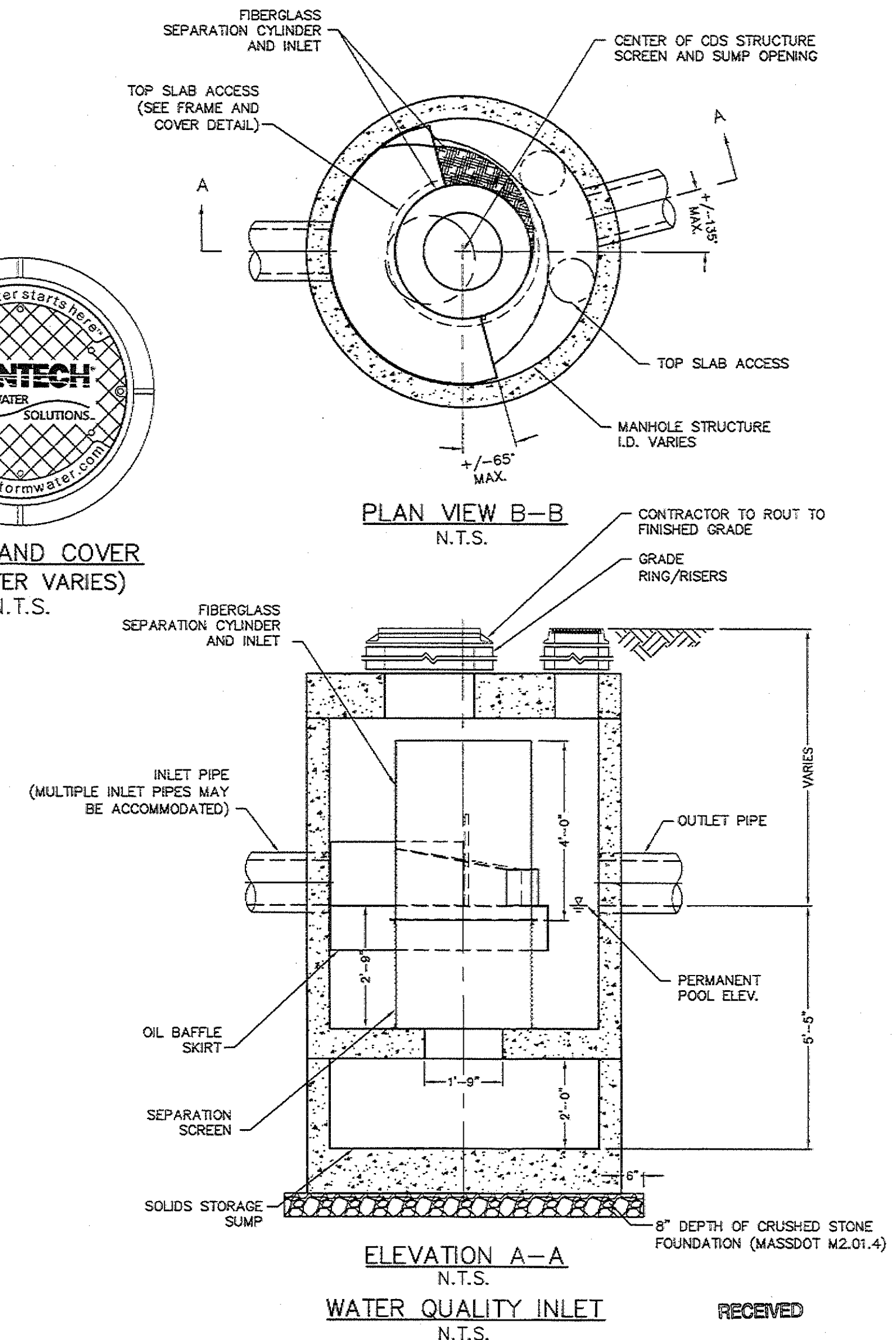
STRUCTURE:	A	B	C	D	E	F	G	H	I
BASIN #1	149.00	147.25	146.00	145.50	48"	13"	4"	25"	56"



1.) STONE FILL SHALL CONFORM TO MASSDOT SPECIFICATIONS M2.02.3 STONE FOR PIPE ENDS



FRAME AND COVER
(DIAMETER VARIES)
N.T.S.

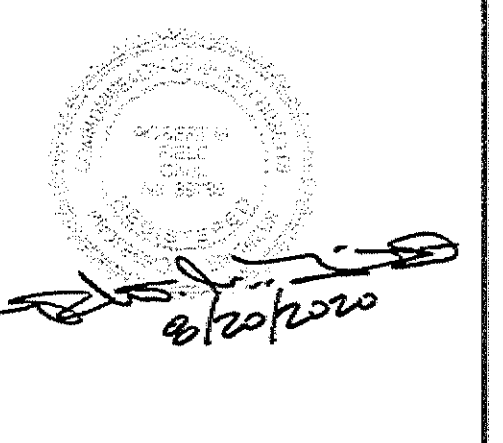


CDS2015-4-C DESIGN NOTES	
CDS 2015-4-C RATED TREATMENT CAPACITY IS 0.7 CFS (19.8 L/S) OR PER LOCAL REGULATIONS. MAXIMUM HYDRAULIC INTERNAL BYPASS CAPACITY IS 10.0 CFS (283 L/S). IF THE SITE CONDITIONS EXCEED 10.0 [283 L/S] CFS, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.	
THE STANDARD CDS2015-4-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.	
CONFIGURATION DESCRIPTION	
GRATED INLET ONLY (NO INLET PIPE)	
GRATED INLET WITH INLET PIPE OR PIPES	
CURB INLET ONLY (NO INLET PIPE)	
CURB INLET WITH INLET PIPE OR PIPES	
SEPARATE OIL BAFFLE (SINGLE INLET PIPE REQUIRED FOR THIS CONFIGURATION)	
SEDIMENT WEIR FOR NUDEP / NJCAT CONFORMING UNITS	

GENERAL NOTES:
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH () ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND HEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.conteches.com
4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
5. STRUCTURE SHALL MEET AASHTO H220 AND CASTINGS SHALL MEET H220 (AASHTO M 306) LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
6. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.
INSTALLATION NOTES:
A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
C. CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
D. CONTRACTOR TO PROVIDE, INSTALL AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.
F. THE WATER QUALITY INLETS SHOWN PROVIDE THE TREATMENT LEVEL AND REMOVAL EFFICIENCY RATES LISTED IN THE STORMWATER REPORT.
2. THE UNIT MODEL, SIZE, LOCATION, CONFIGURATION, AND MANUFACTURER MAY VARY BUT WILL, IN ALL CASES, PROVIDE THE REMOVAL EFFICIENCIES ESTIMATED IN THE STORMWATER REPORT.

FIELD ENGINEERING CO., INC.
CONSULTING ENGINEERS
110 INDUSTRIAL DRIVE
P.O. BOX 1178
WATTAPOSETT, MA 02739
TEL: (508) 758-2748
FAX: (508) 758-2849

Revisions			
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5	NO CHANGES THIS SHEET	7/13/20	KJM
4	REVISE PER TOWN REVIEW	12/30/19	KJM
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2	NO CHANGES THIS SHEET	12/19/19	KJM
1	NO CHANGES THIS SHEET	11/12/19	KJM
No.	Description	Date	Appr.
10/25/19			
Scale			
AS NOTED			
Drawn By	Designed By	Checked By	
RMS	KJM	RMF	
Issued For			
PERMITTING			



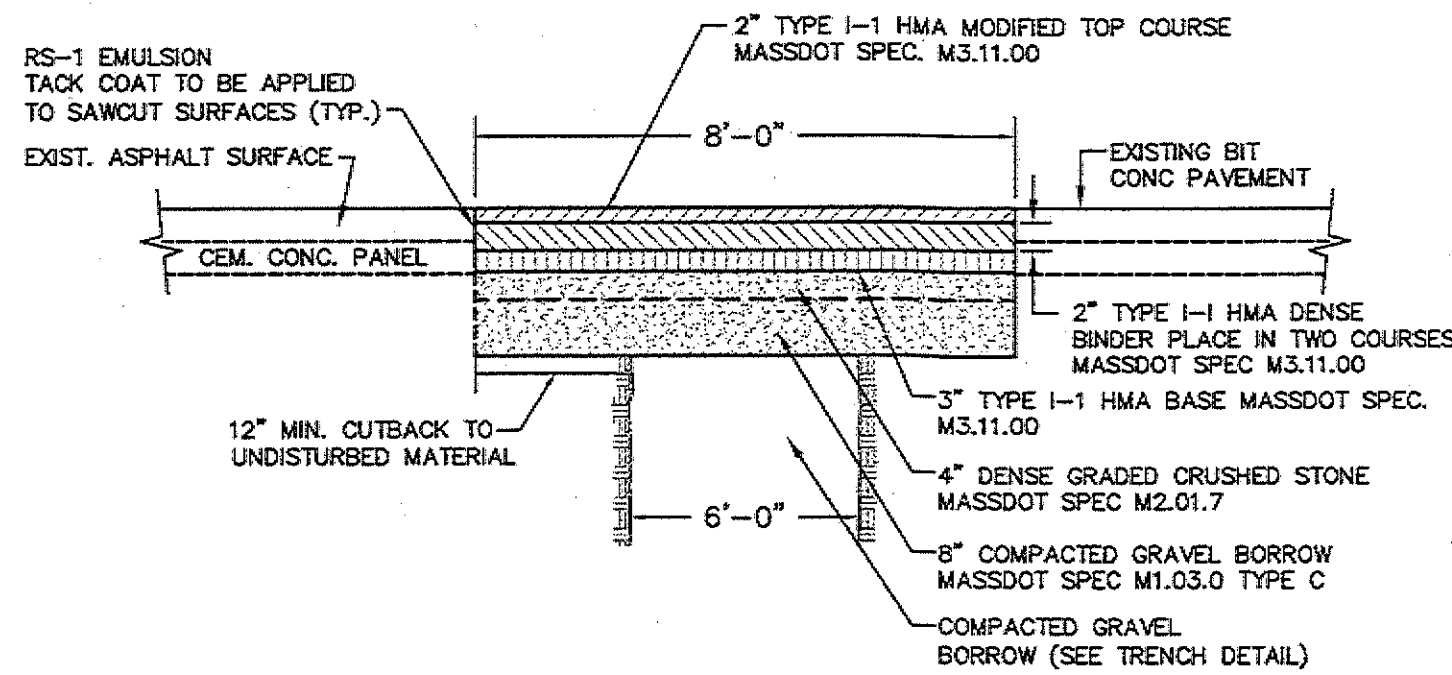
PROPOSED SITE DEVELOPMENT
COASTAL HEALING LLC

248 STATE ROAD
WESTPORT, MASSACHUSETTS

Drawing Title
SITE DETAILS

Project No. 2272
Sheet 10 OF 11

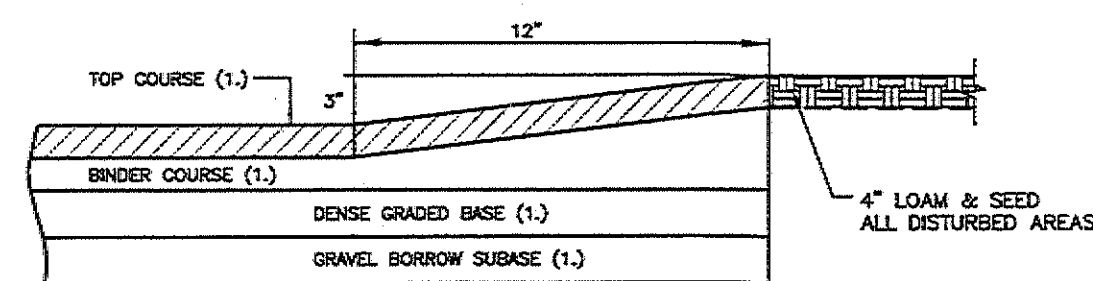
D-2



HEAVY DUTY HOT MIX ASPHALT TRENCH CAP MASSDOT JURISDICTION ROADS

NOT TO SCALE

- 1.) ALL DAMAGED PAVEMENT MARKINGS SHALL BE RESTRIPTED.
- 2.) REFER TO SHEET SU-1 FOR HORIZONTAL LIMITS OVER UTILITY PIPING

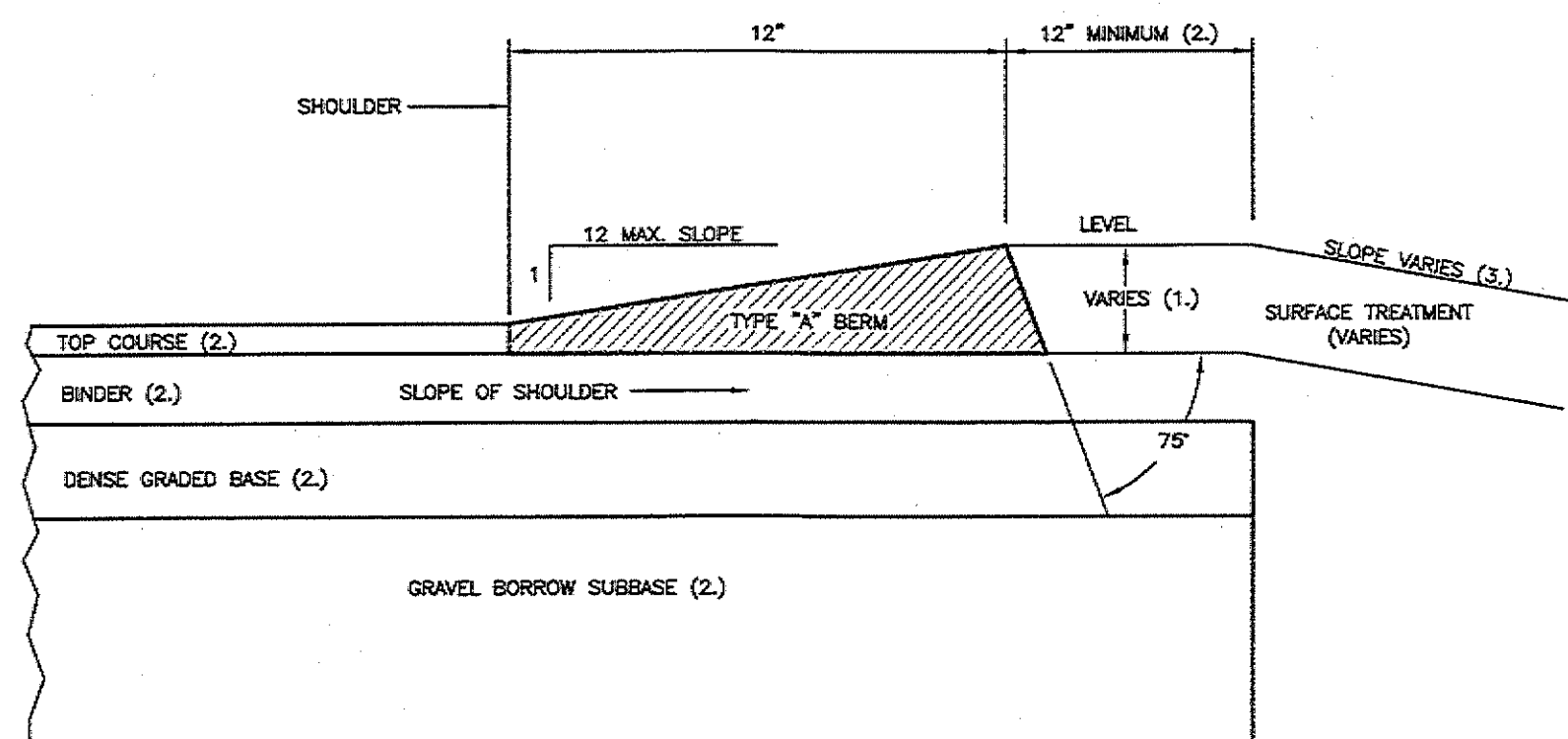


MONOLITHIC TYPE "A" CAPE COD BERM (ON-SITE ONLY)

NOT TO SCALE

NOTE:

- 1.) SEE PAVEMENT SECTION DETAILS FOR MATERIAL SPECIFICATION REFERENCES.
- 2.) THIS BERM IS TO BE USED FOR ON-SITE PAVING WORK ONLY. REFER TO DETAIL THIS SHEET FOR BERM DETAILS WITHIN THE MASSDOT STATE HIGHWAY LAYOUT

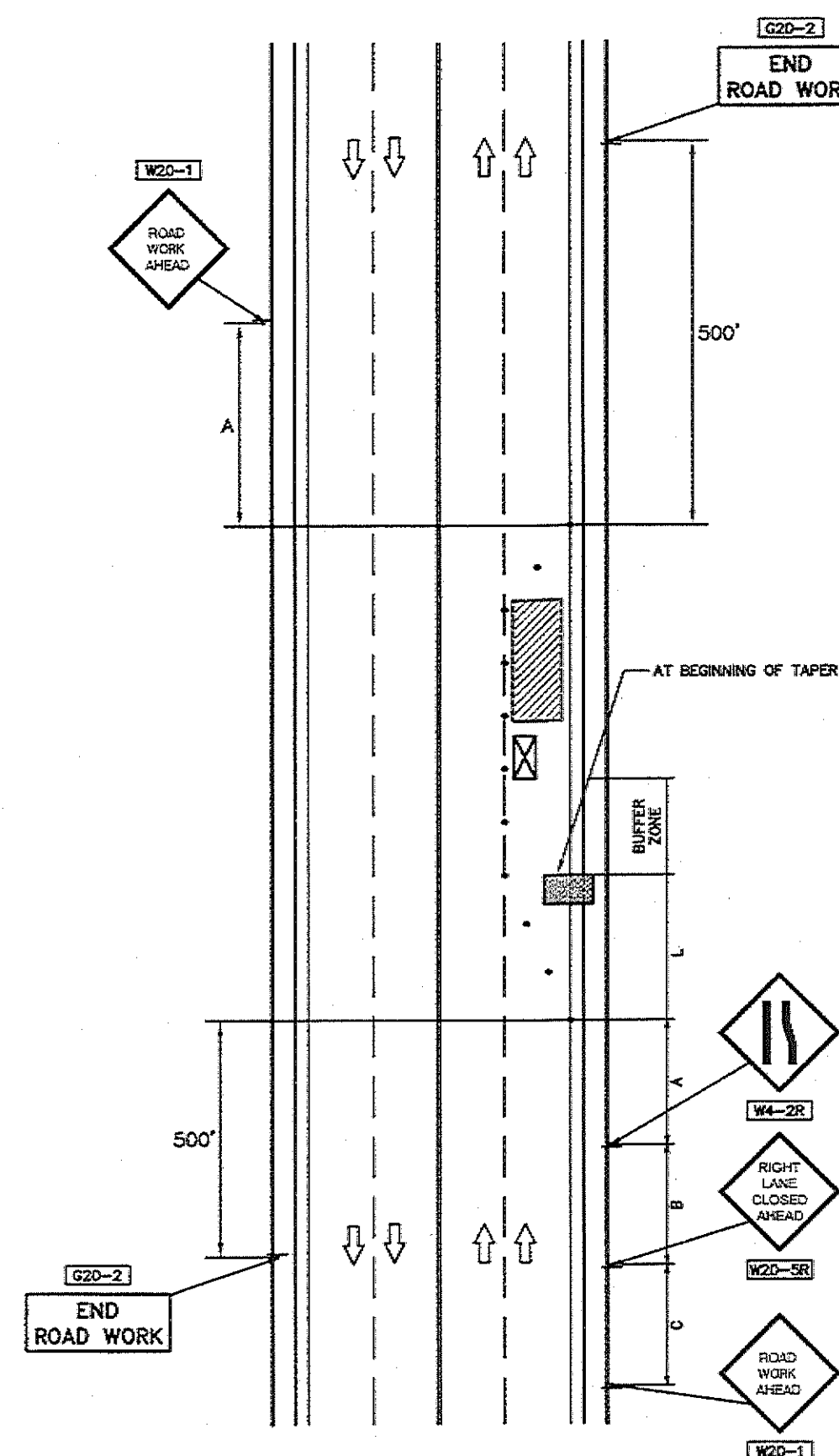


MODIFIED HOT MIX ASPHALT BERM MASSDOT JURISDICTION ROADS

NOT TO SCALE

NOTE:

- FOR MODIFIED BERM THE SLOPE REMAINS CONSTANT AT 1 (V) TO 12 (H)
- 1.) THIS DIMENSION VARIES WITH THE THICKNESS OF THE TOP COURSE AND SLOPE OF BINDER.
 - 2.) SEE TYPICAL PAVEMENT SECTION DETAILS FOR MATERIAL SPECIFICATION REFERENCES.
 - 3.) THIS BERM IS TO BE USED FOR PAVING WORK WITHIN THE MASSDOT S.H.L.O. ONLY.

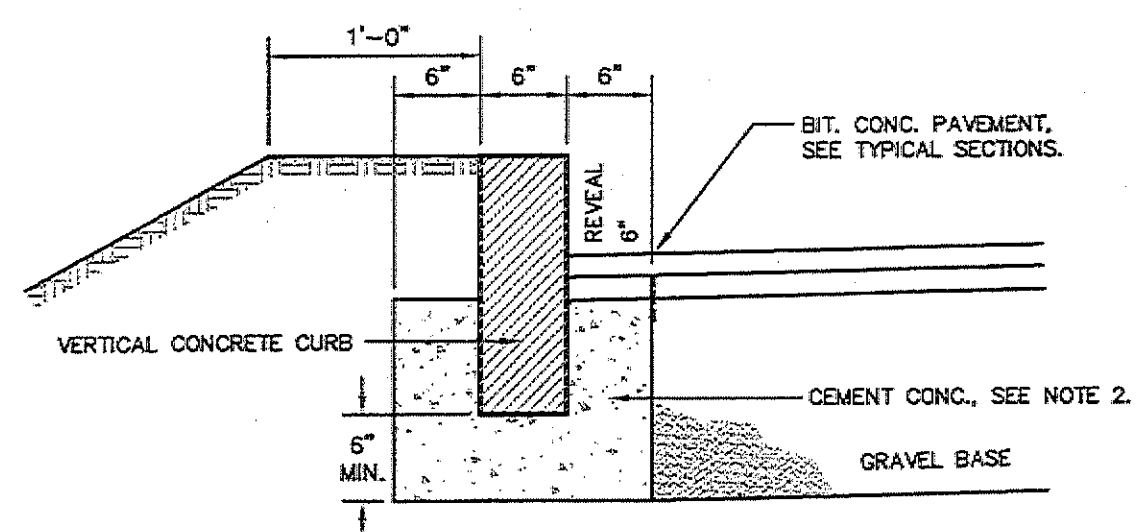


STATIONARY OPERATIONS RIGHT LANE CLOSED

NOT TO SCALE

SPEED LIMIT (MPH)	SPACING FOR ADVANCE WARNING SIGNS (FT) (A/B/C)	CHANNELIZING DEVICES			
		TRANSITION LENGTH (L)	BUFFER LENGTH	DEVICE SPACING	MIN. #
25-40	500/500/500	320	205	20	40
45-55	500/1000/1000	660	495	40	40
60-65	1000/1600/2600	780	645	40	45

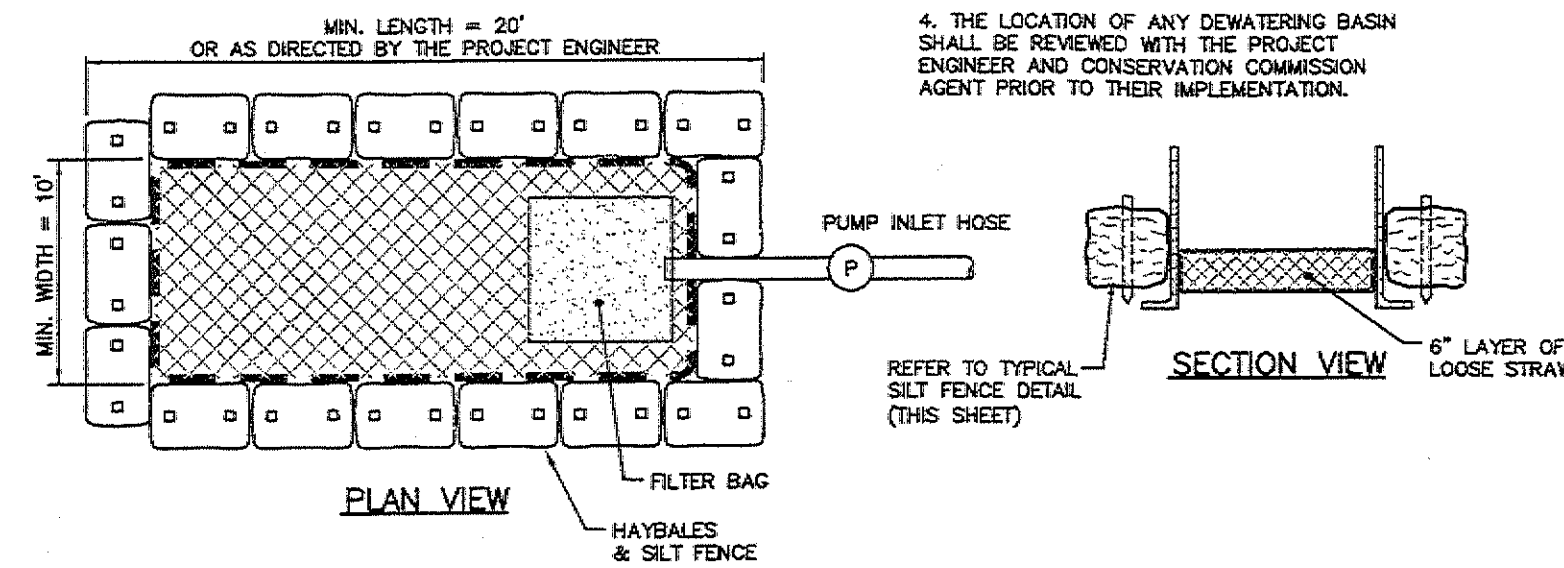
- TRUCK MOUNTED ATTENUATOR
- ARROW BOARD
- 34" (44") CONE OR PLASTIC DRUM (REF.)
- WORK ZONE
- P/F POLICE/FLAGGER SEE PAGE 4 (PLANNING GUIDELINE)



- 1.) IF INSTALLING ON EXISTING ROAD, SAWCUT LINE 6" FROM PROPOSED CURB LINE AND REMOVE BINDER, BASE AND STONE, REPLACE WITH CEMENT CONCRETE.
- 2.) CEMENT CONCRETE SHALL CONFORM TO SECTION M4- OF THE LATEST REVISION OF MASSDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES. BIT. CONC. NOT ACCEPTABLE.
- 3.) SAWCUT MAY NOT BE REQUIRED DEPENDING ON THE SCOPE OF WORK.

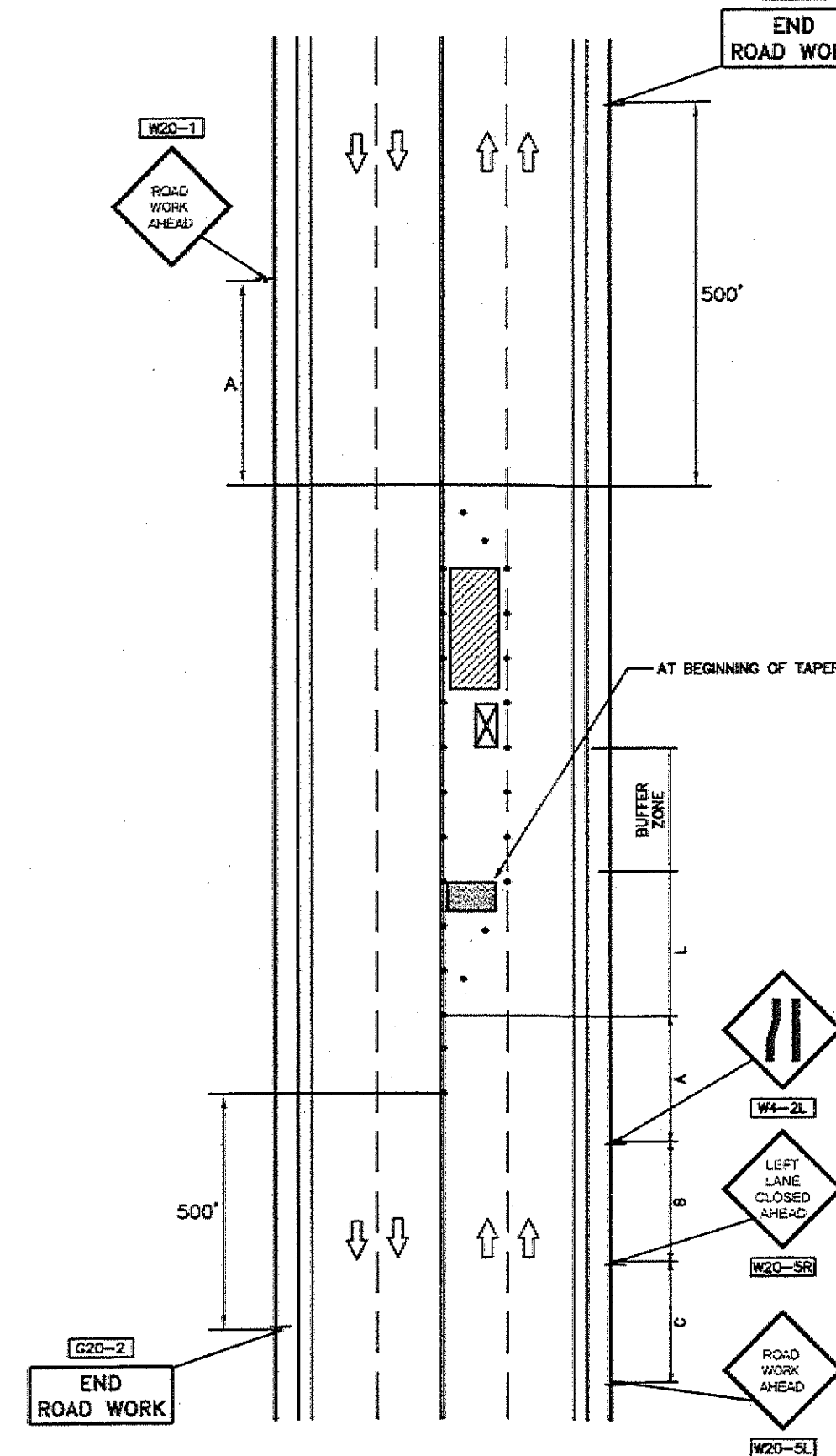
METHOD OF SETTING VERTICAL CURB

NOT TO SCALE



DEWATERING BASIN

NOT TO SCALE

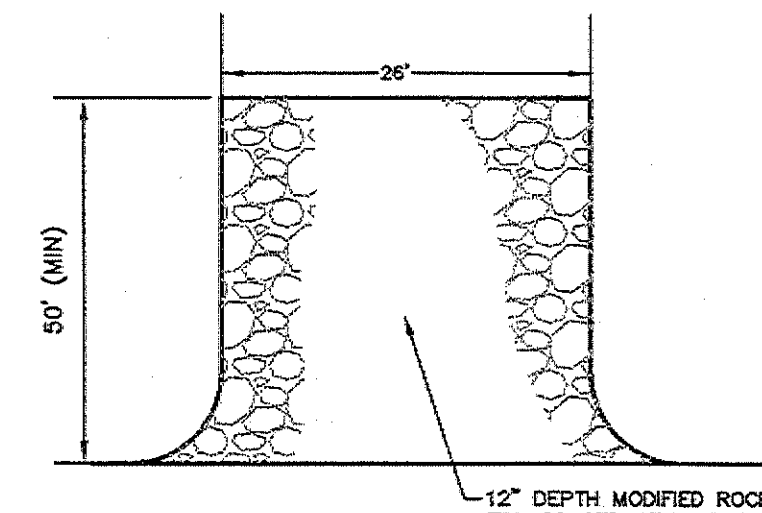


STATIONARY OPERATIONS LEFT LANE CLOSED

NOT TO SCALE

SPEED LIMIT (MPH)	SPACING FOR ADVANCE WARNING SIGNS (FT) (A/B/C)	CHANNELIZING DEVICES			
		TRANSITION LENGTH (L)	BUFFER LENGTH	DEVICE SPACING	MIN. #
25-40	500/500/500	320	205	20	40
45-55	500/1000/1000	660	495	40	40
60-65	1000/1600/2600	780	645	40	45

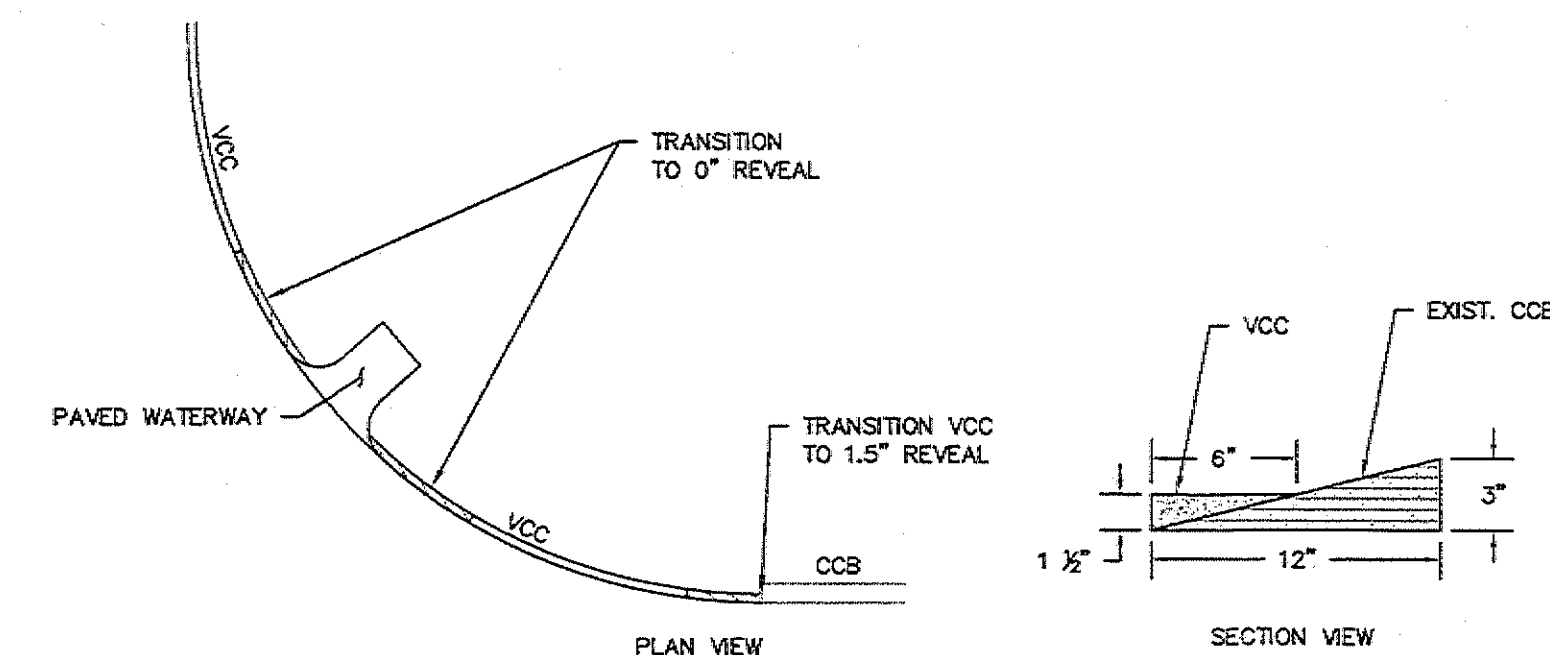
1. WARNING LIGHTS SHOULD BE USED TO MARK CHANNELIZING DEVICES AT NIGHT AS NEEDED.
2. CHANNELIZING DEVICES ARE TO BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.
3. ALL DISTANCES MAY BE ADJUSTED SLIGHTLY TO MEET WITH FIELD CONDITIONS.
4. ADVISORY SPEED (W13-1) AT SITE TO BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE APPROPRIATE AUTHORITY WITH JURISDICTION OVER ROADWAY PRIOR TO COMMENCING WORK.
5. ALL TEMPORARY TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND ALL REVISIONS.
6. ALL SIGN LEGENDS, BORDERS AND MOUNTING SHALL BE IN ACCORDANCE WITH THE MUTCD.
7. TEMPORARY CONSTRUCTION SIGNING AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF ANY WORK.
8. TEMPORARY CONSTRUCTION SIGNING, BARRICADES AND ALL OTHER NECESSARY WORK ZONE TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM THE HIGHWAY OR COVERED WHEN THEY ARE NOT REQUIRED FOR CONTROL OF TRAFFIC.
9. SIGNS AND SIGN SUPPORTS LOCATED ON OR NEAR THE TRAVELED WAY, AND REFLECTORIZED PLASTIC DRUMS WITH LIGHTING DEVICES MOUNTED ON THEM, MUST PASS THE CRITERIA SET FORTH IN NHPRP REPORT 350, "RECOMMENDED PROCEDURES FOR THE SAFETY PERFORMANCE EVALUATION OF HIGHWAY FEATURES".
10. CONTRACTORS SHALL NOTIFY EACH ADJUTANT AT LEAST 24 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS SUCH AS CONDUIT INSTALLATION, EXISTING PAVEMENT EXCAVATION, TEMPORARY DRIVEWAY PAVEMENT PLACEMENT AND SIMILAR OPERATIONS.
11. THE FIRST THREE PLASTIC DRUMS OF A TAPER MAY BE MOUNTED WITH TYPE A LIGHTS.
12. MINIMUM LANE WIDTH IS TO BE 11 FEET (3.3m) UNLESS OTHERWISE SHOWN. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF DRUMS OR MEDIAN BARRIER.
13. ALL SIGNS SHALL BE MOUNTED ON THEIR OWN STANDARD SIGN SUPPORT.



TEMPORARY CONSTRUCTION PAD

NOT TO SCALE

NOTE: TEMPORARY CONSTRUCTION PADS TO BE PLACED AT ALL CONSTRUCTION ENTRANCES OFF CURRENT ROAD TO MINIMIZE TRACKING ONTO THE ROADWAY SURFACE. REFER TO SITE PREPARATION PLAN FOR EXACT LIMITS.



TRANSITION CURB

NOT TO SCALE

DEWATERING SPECIFICATIONS

1. DEWATERING BASINS SHALL BE CONSTRUCTED BEFORE ANY DEWATERING OPERATION COMMENCE. DISCHARGE FROM THE DEWATERING BASINS SHALL BE DIRECTED TO THE NEAREST WETLAND DISCHARGE AREA.
2. HAY BALES/SILT DEWATERING BASINS SHALL BE CONSTRUCTED BEFORE DEWATERING BEGINS.
3. ALL SEDIMENT SHALL BE REMOVED AND FINISHED GRADES RESTORED UPON COMPLETION OF DEWATERING OPERATIONS.
4. THE LOCATION OF ANY DEWATERING BASIN SHALL BE REVIEWED WITH THE PROJECT ENGINEER AND CONSERVATION COMMISSION AGENT PRIOR TO THEIR IMPLEMENTATION.

Revisions			
No.	Description	Date	Appvd.
6	ADD CURB DETAILS	8/9/20	KJM
5	NO CHANGES THIS SHEET	7/15/20	KJM
4	REVISE PER TOWN REVIEW	12/30/19	KJM
3	NO CHANGES THIS SHEET	12/19/19	KJM
2	NO CHANGES THIS SHEET	12/19/19	KJM
1	NO CHANGES THIS SHEET	11/12/19	KJM

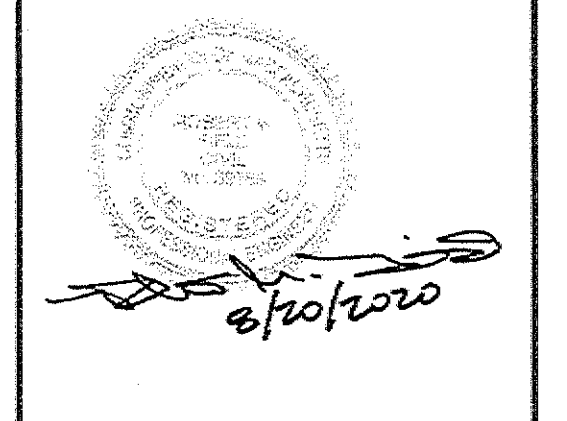
Date 10/25/19

Scale AS NOTED

Drawn By RMS Designed By KJM Checked By RMF

Issued For

PERMITTING



PROPOSED SITE DEVELOPMENT
COASTAL HEALING LLC

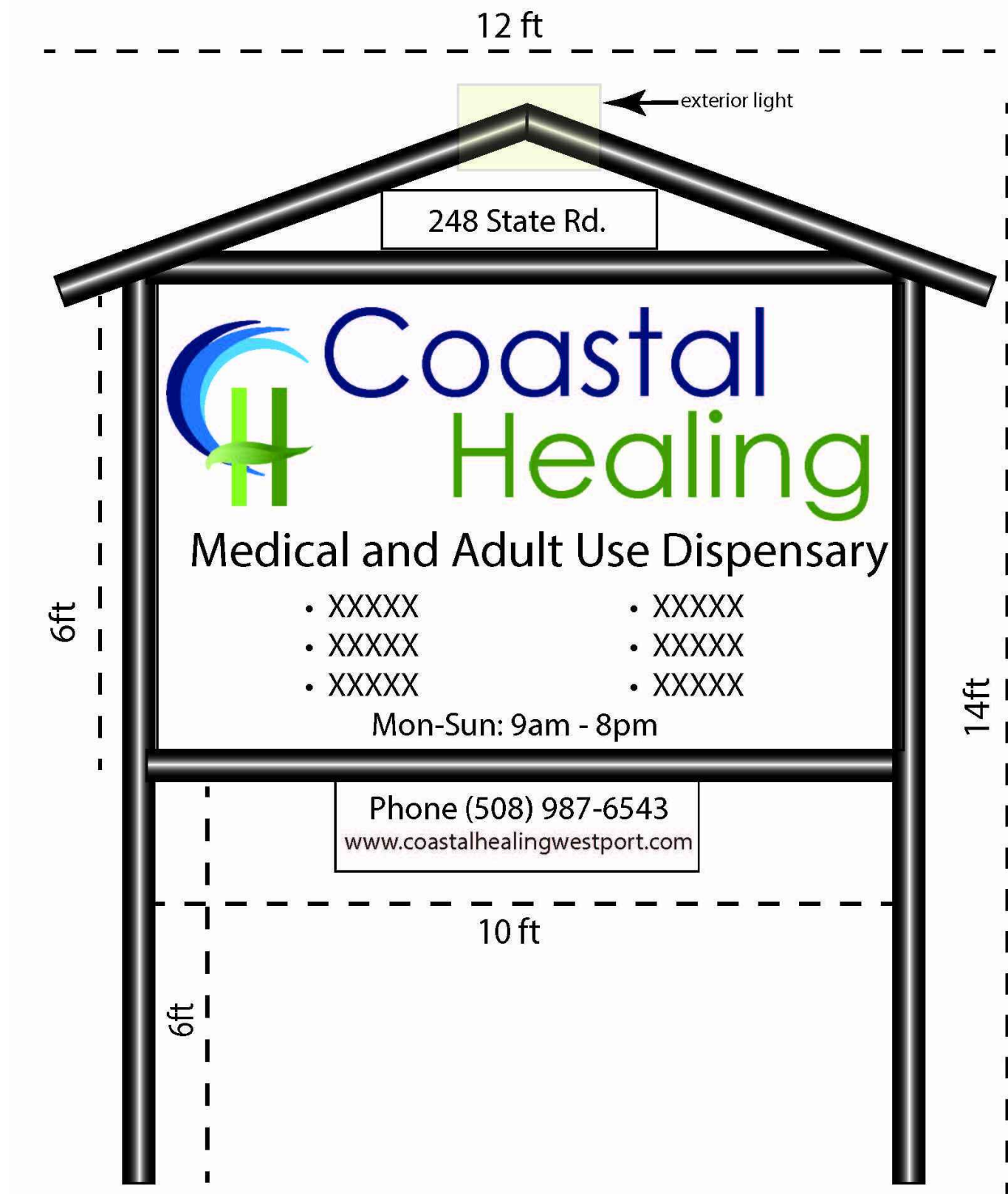
248 STATE ROAD
WESTPORT, MASSACHUSETTS

Drawing Title SITE DETAILS

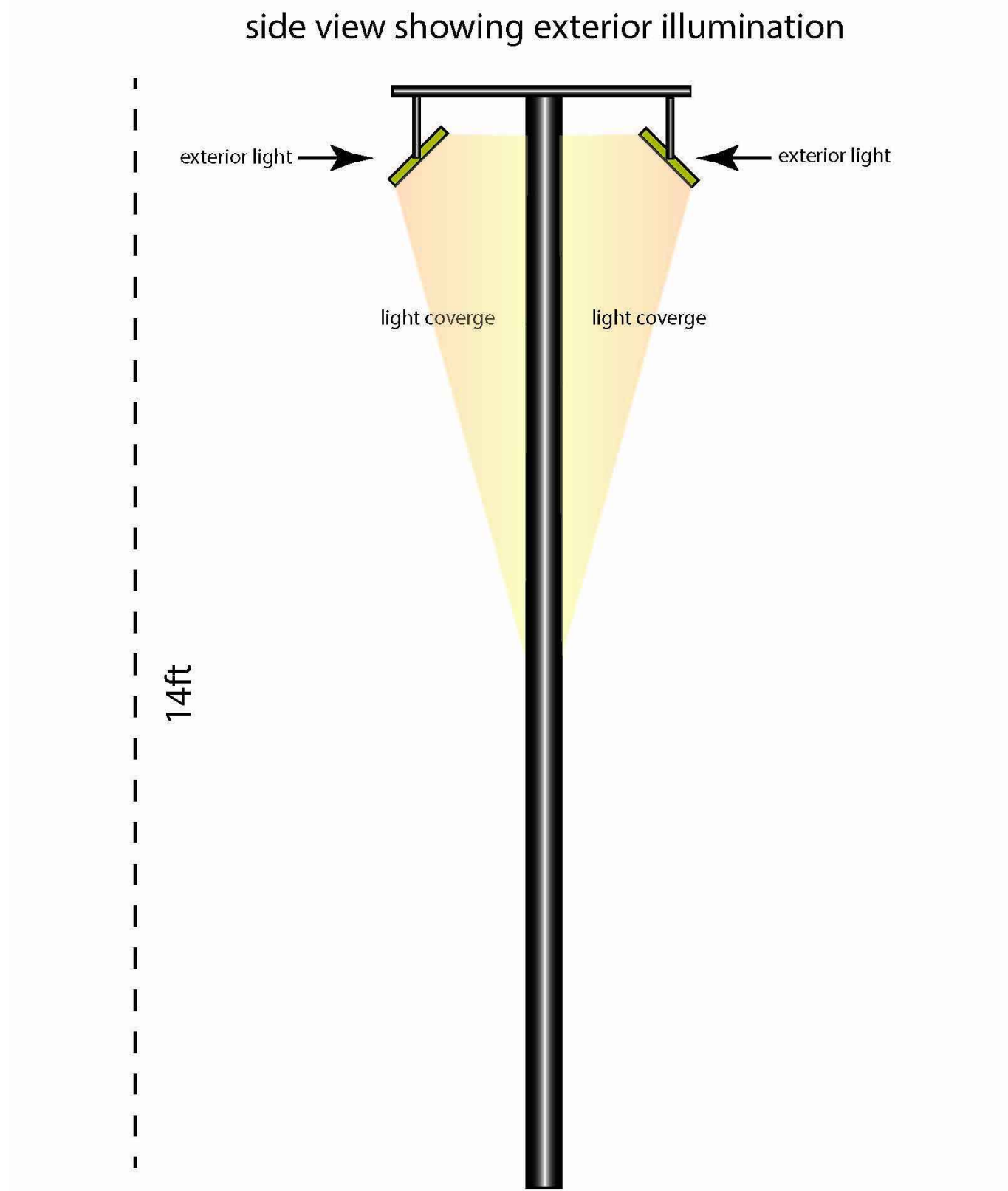
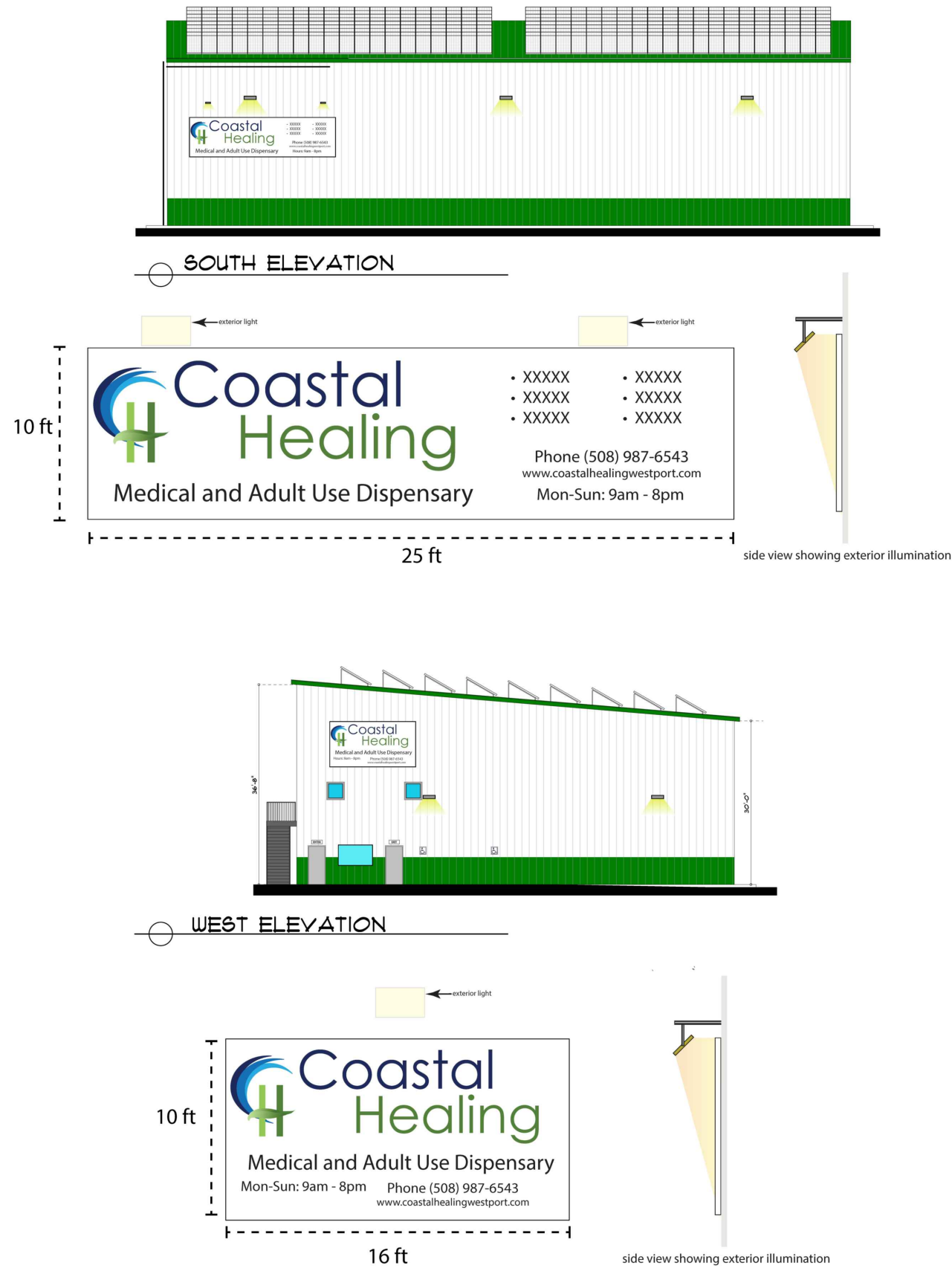
Project No. 2272 Sheet 11 OF 11

D-3

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State Rd. Signage



State Rd. Signage

Revisions				
7	ADD SIGNAGE & LIGHTING DETAILS	11/13/20	KJM	
6	ADD CURB DETAILS	8/19/20	KJM	
5	NO CHANGES THIS SHEET	7/13/20	KJM	
4	REVISE PER TOWN REVIEW	12/30/19	KJM	
3	NO CHANGES THIS SHEET	12/19/19	KJM	
2	NO CHANGES THIS SHEET	12/18/19	KJM	
1	NO CHANGES THIS SHEET	11/12/19	KJM	
No.	Description	Date	Appvd.	
Date 10/25/19				

Scale		
AS NOTED		
Drawn By	Designed By	Checked By
RMS	KJM	RMF

Issued For		
PERMITTING		

PROPOSED SITE DEVELOPMENT
COASTAL HEALING LLC

248 STATE ROAD
WESTPORT, MASSACHUSETTS

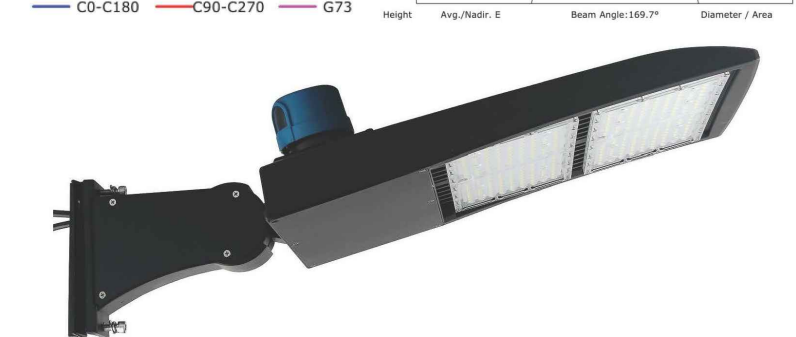
Drawing Title	
SITE SIGNAGE & LIGHTING DETAILS	
Project No.	Sheet
2272	12 OF 12

NEXTGEN II TECHNICAL DATA SHEET	
SPECIFICATIONS	
OPTICAL	Input Power 300W
	Lumen 37500-42000LM
	Lumen Efficacy 125-140 LM/W
	Color Temperature 4000K, 4500K, 5000K, 5700K
ELECTRICAL	CRI >90
	Viewing Angle 150°/85 Degree (Type B)
	Input Voltage 100-277VAC 50/60Hz (480Vac available to order)
	PF >0.9
MATERIALS	THD <25%
	Driver Model Meanwell HLG-320H-48B (1-10Vdc Dimmer)
	Optional Accessory PhotoCell / Surge protector Motion sensor
	LED Brand SMD3030
OTHERS	LED Qty 360 PCS
	Housing Aluminum Alloy
	Housing Color Black / Brown / White /
	Waterproof Rating IP67 (IP65)
OTHERS	Operating Temperature -30°C TO 40°C
	Operating Humidity 20%-95% RH
	Storage Temperature -30°C TO 80°C
	Storage Humidity 10%-95% RH
OTHERS	Warranty Time 5 Years



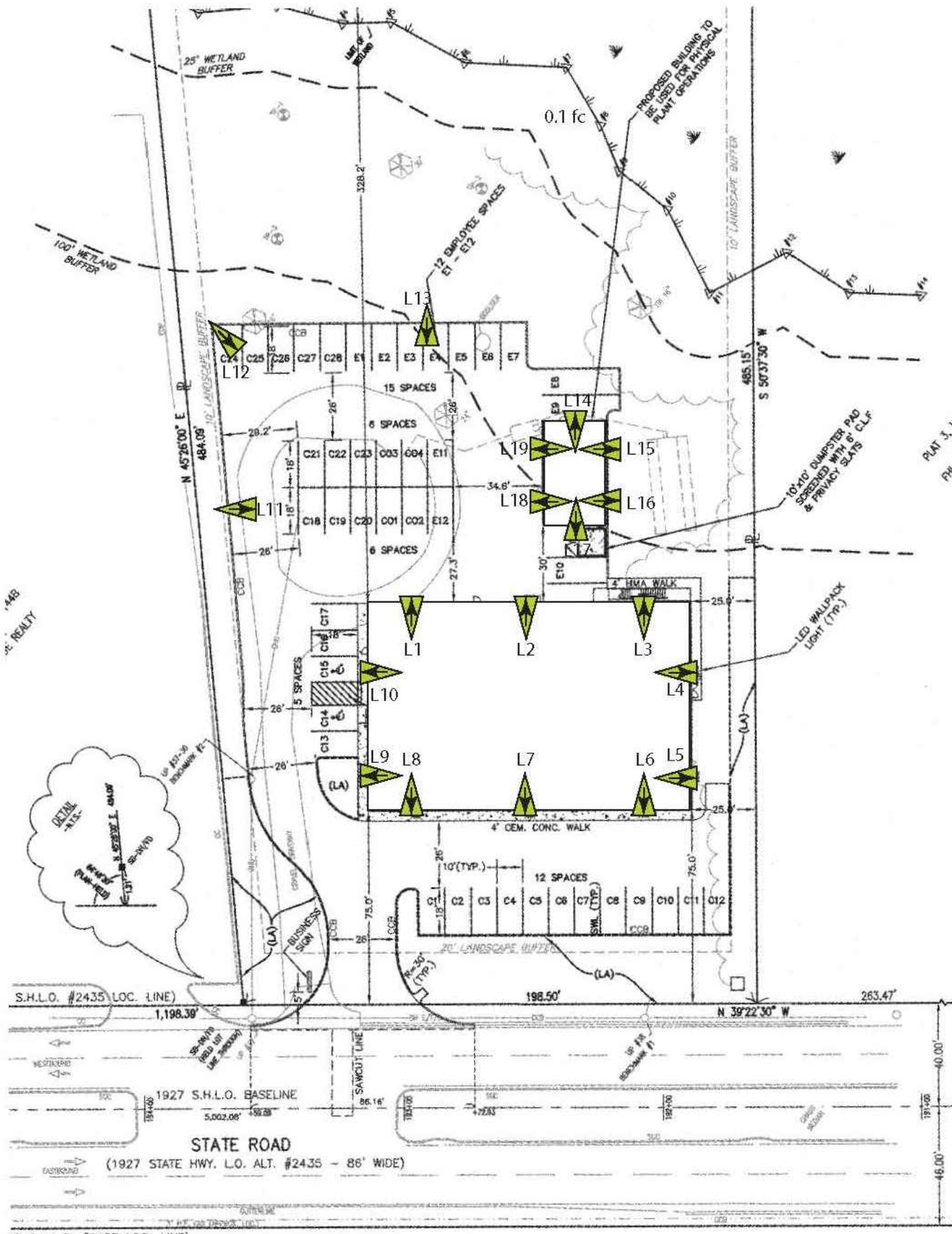
Rugged Grade Lighting Company
California, USA www.RuggedGrade.com

NEXTGEN II TECHNICAL DATA SHEET	
LIGHT DISTRIBUTION TESTING PARAMETERS	
Luminaire Property	
Photometric Results	
Luminous Intensity Distribution Curve	
The Average Illuminance Effective Figure	

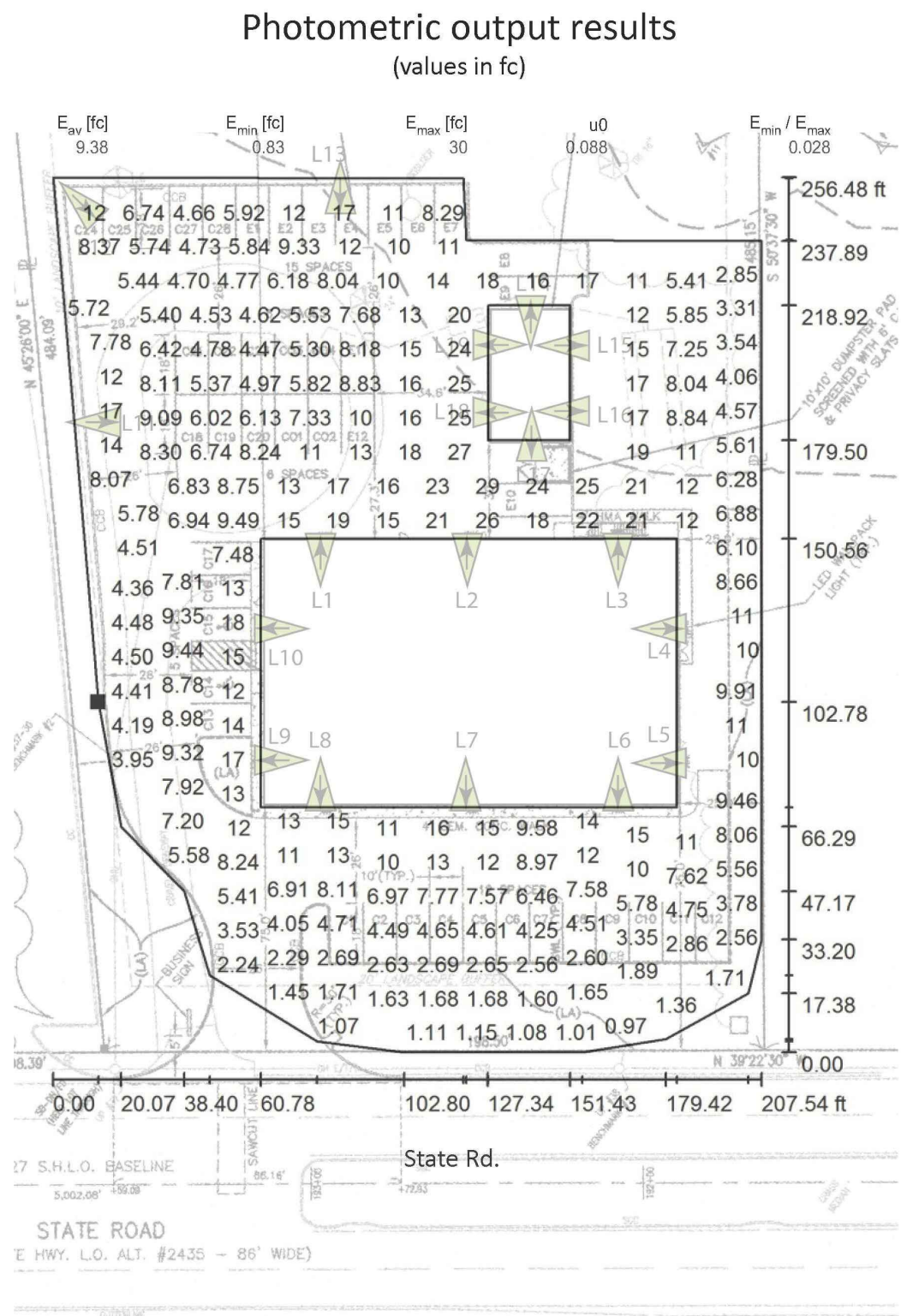


Rugged Grade Lighting Company
California, USA www.RuggedGrade.com

ID	Elevation (ft)	Rotation (degrees)
L1	20	0
L2	20	0
L3	20	0
L4	20	0
L5	20	0
L6	20	0
L7	20	0
L8	20	0
L9	20	0
L10	20	0
L11	20	0
L12	20	0
L13	20	0
L14	20	0
L15	20	0
L16	20	0
L17	20	0
L18	20	0
L19	20	0



LIGHTING OPTION A



Exterior Lighting Map for Coastal Healing

Location: 248 State Rd, Westport, MA

Objective: Provide perimeter security lighting for structures and allow for the illumination of parking areas.

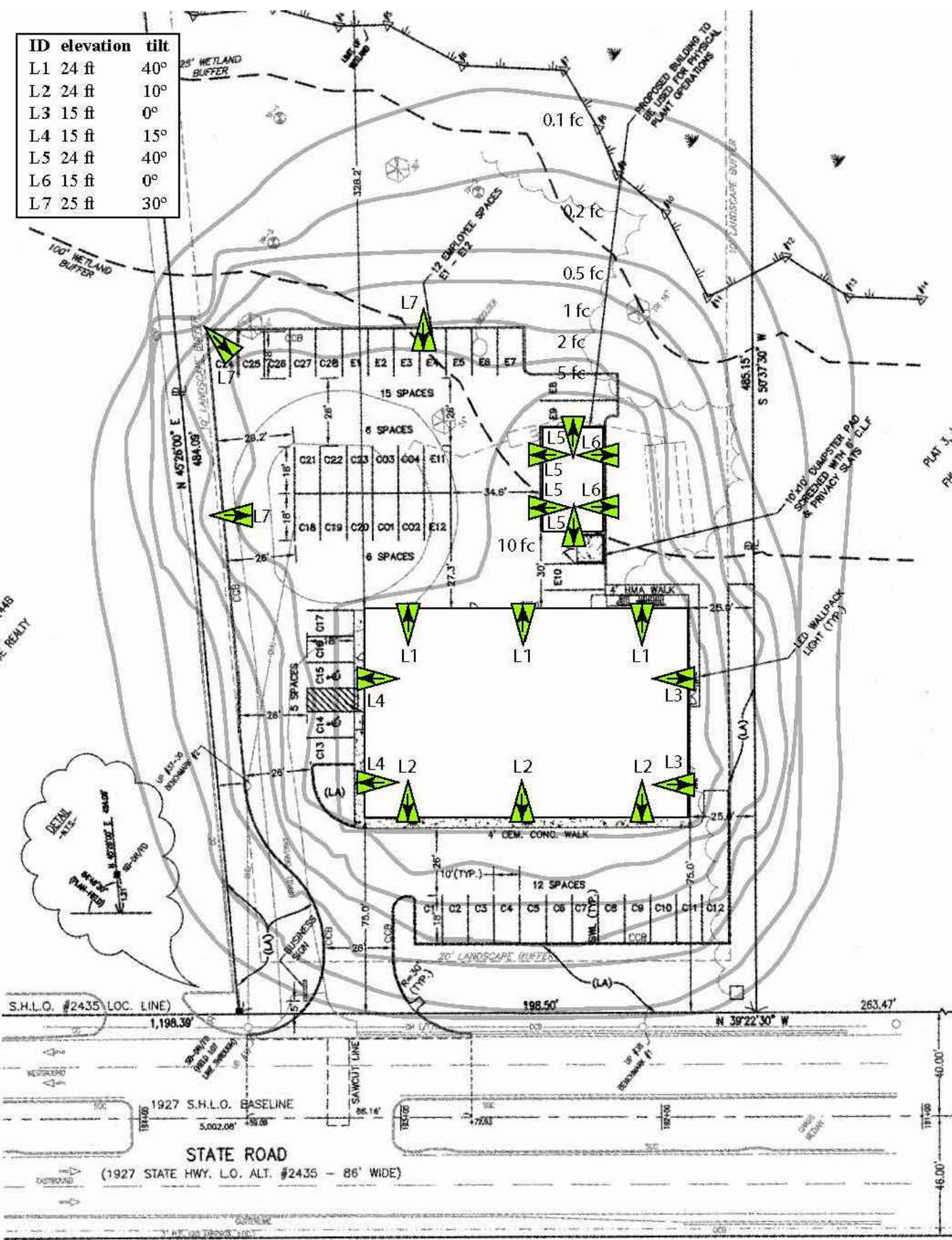
Notes: Reduce significant light bleed-over to neighboring properties and state highway.

Target: Security Illumination: at least 10 foot candles
Parking: 2-5 foot candles
Bleed-over: less than 0.1 foot candles

LED Fixture: E-FFC19B-TW50Z
(Four Cree LED array)
Black metal housing w/ integrated heat sink and rotatable mounting arm (0-45°)
Light Loss Factor: 1.0
Lamp lumens: ~1 lms
Watts: 138



Summary: Total number of Luminaire, 19				
Qty	ID	Type	Elevation (ft)	Fixture tilt angle
3	L1	E-FFA26A-TW40Z	24	40°
3	L2	E-FFA26A-TW40Z	24	10°
2	L3	E-FFA26A-TW40Z	15	0°
2	L4	E-FFA26A-TW40Z	15	15°
4	L5	E-FFA26A-TW40Z	24	40°
2	L6	E-FFA26A-TW40Z	15	0°
3	L7	E-FFA26A-TW40Z	25	30°



LIGHTING OPTION B

FIELDENGINEERING
CO., INC.
CONSULTING ENGINEERS

11D INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPAN, MA 02739
TEL: (508) 758-2749
FAX: (508) 758-2849

Revisions			
No.	Description	Date	Apprvd.
Date 11/19/20			
Scale			
AS NOTED			
Drawn By	Designed By	Checked By	
RMS	KJM	RMF	
Issued For			
PERMITTING			

PROPOSED SITE DEVELOPMENT
COASTAL HEALING LLC

248 STATE ROAD
WESTPORT, MASSACHUSETTS

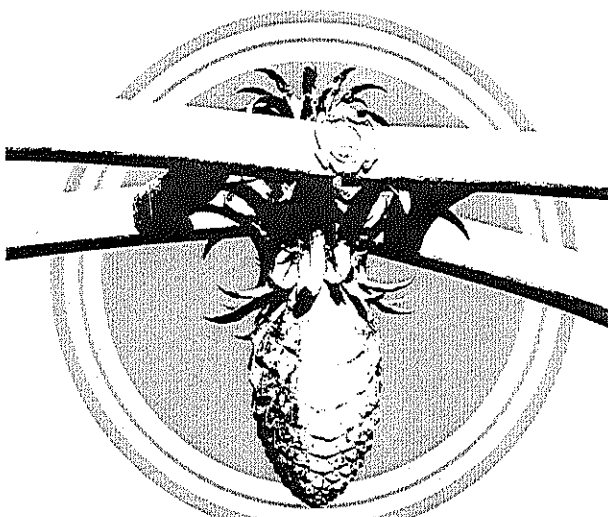
Drawing Title
LIGHTING
EXHIBIT

Project No. 2272

Sheet 1 OF 1

EXH-1

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PROVIDENCE, RI 02903

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No.	Description	Date

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NON-COMFORMED
- ☐ ISSUED FOR CONSTRUCTION
CONFORMED
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LOCUS PLAN

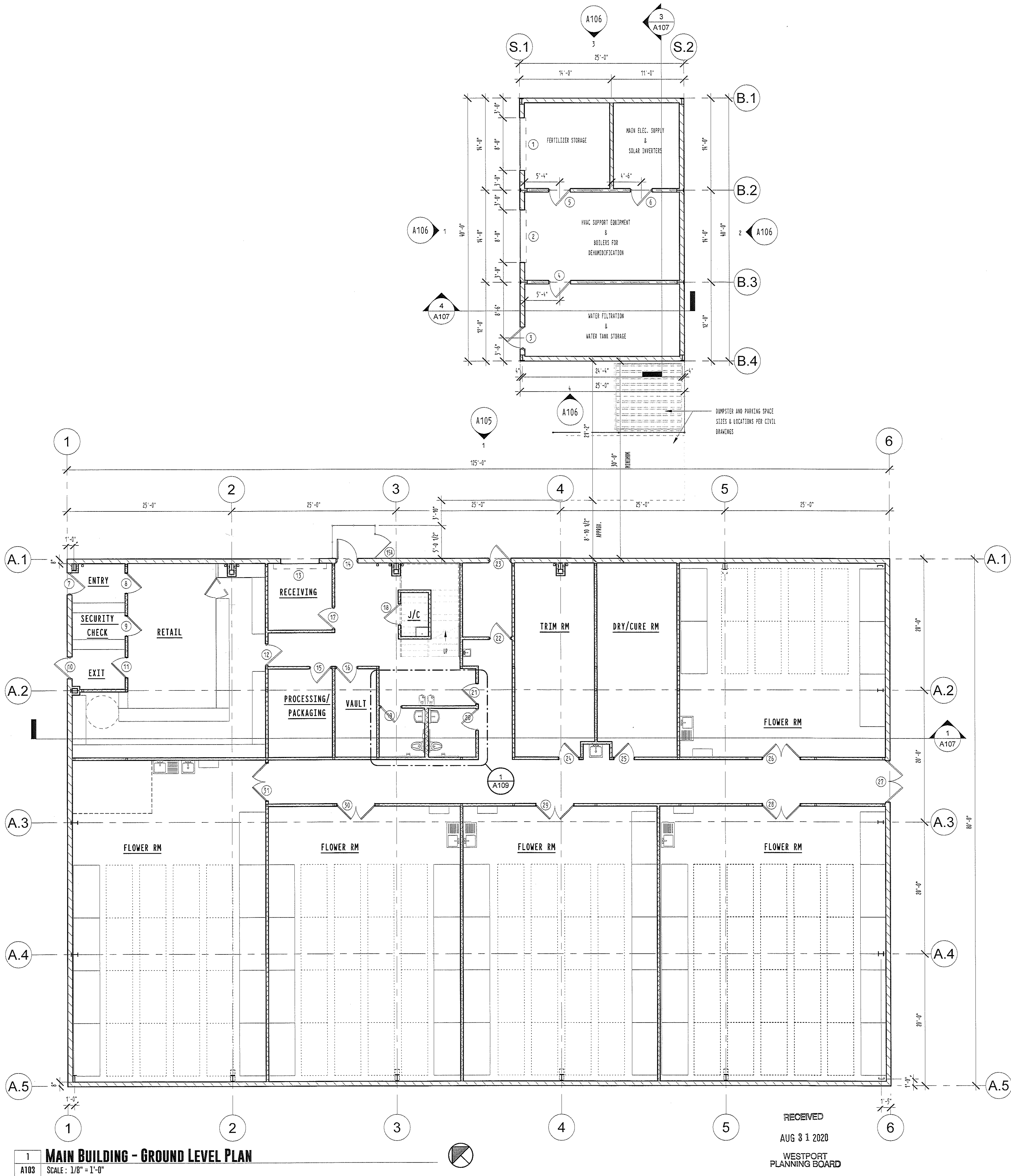
PROPOSED TENANT FIT-OUT
FOR
COASTAL HEALING
LOCATED AT:
248 STATE RD.
WESTPORT, MASSACHUSETTS

DATE: 08/27/20 DRAWN BY: CJP

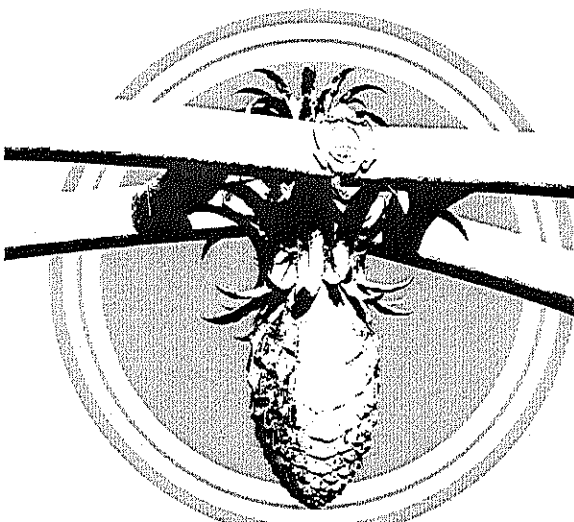
GROUND LEVEL PLANS

(A1) **A103**

20-007SP-RM-SPA



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LOCUS PLAN

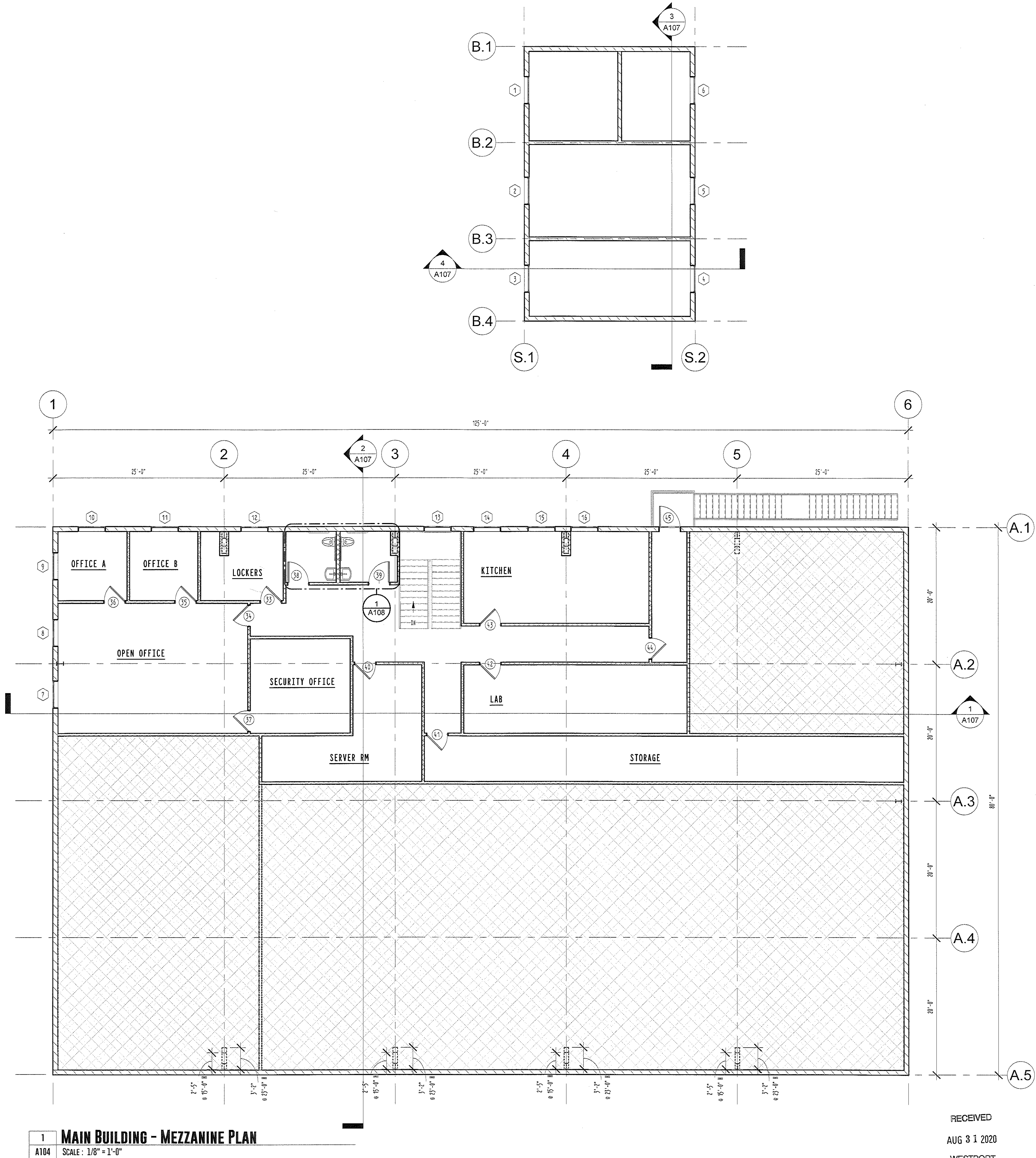
PROPOSED TENANT FIT-OUT
FOR
COASTAL HEALING
LOCATED AT:
248 STATE RD.
WESTPORT, MASSACHUSETTS

DATE: 07/08/20 DRAWN BY: CJP

MEZZANINE PLANS

(A2) **A104**

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