# PROJECT NOTES:

1. LOCATION: 159 BEACH ROAD - ROUTE 1A SALISBURY, MA TAX MAP 28 LOT 1

2. PROPERTY REFERENCES: SOUTH ESSEX REGISTRY OF DEEDS BOOK 8710 PAGE 72 (1986)

3. OWNER: EDWARD FOOTE, JR. & JOANNE F. BLAIS 123 CENTRAL AVENUE

4. LAND SURVEYOR: SEC & ASSOCIATES PLAISTOW, NH 03865 TEL: (603) 382-5065

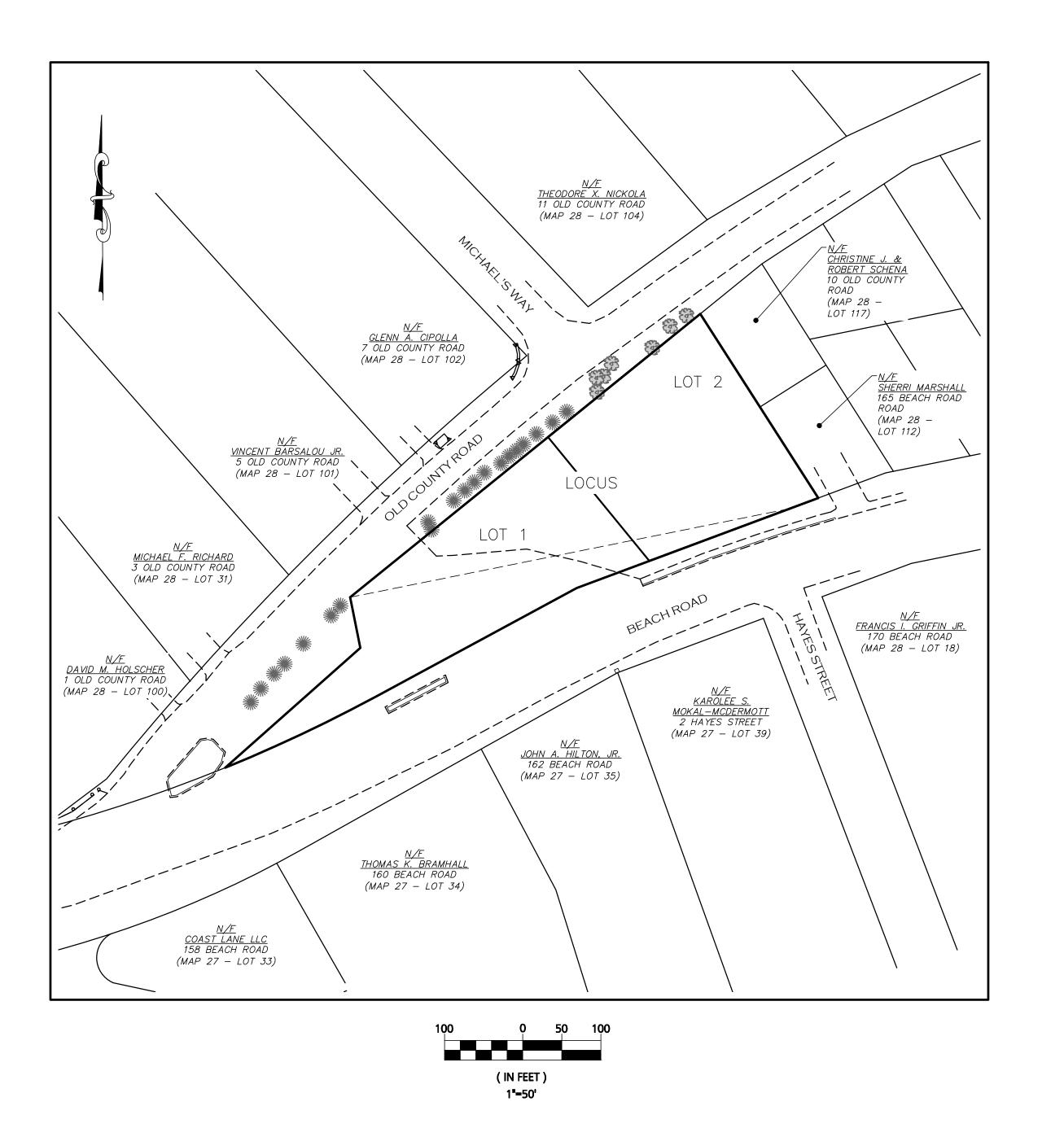
5. ALL INFORMATION AS SHOWN WAS PRODUCED FROM THE TOWN OF SALISBURY INFORMATION, THE SOUTH ESSEX REGISTRY OF DEEDS OF DEEDS AND AN ON GROUND SURVEY BY SEC & ASSOCIATES OF PLAISTOW, NH IN FEBRUARY & MARCH OF 2021.

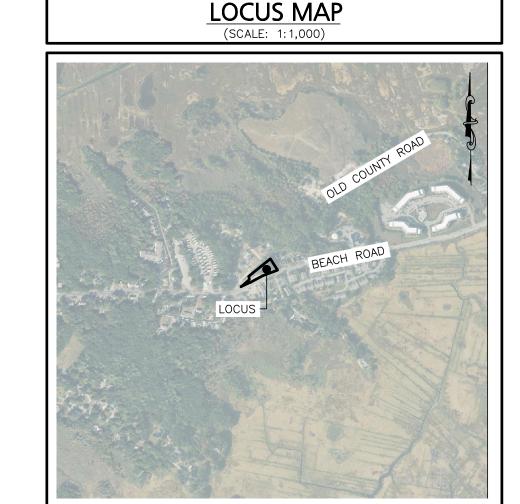
SALISBURY, MA. 01952

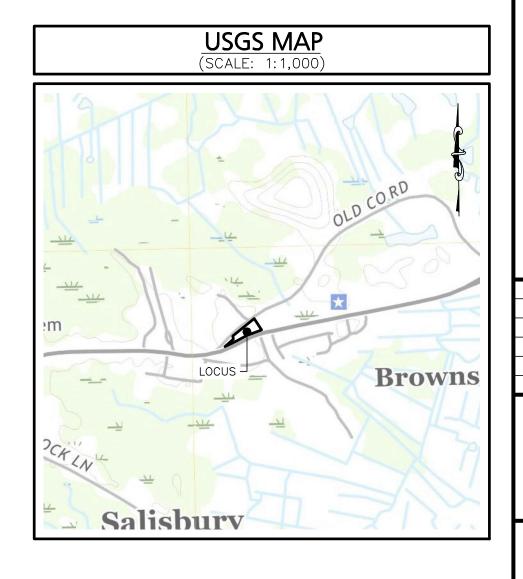
- 6. ANY UTILITY INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE AND BASED ON VISABLE EVIDENCE AND AVAILABLE TOWN RECORDS. RELIABLE LOCATIONS SHOULD BE VERIFIED BY THE TOWN OF SALISBURY AND BY CALLING DIG SAFE AT 811.
- 7. PROPERTY IS NOT LOCATED WITHIN A DESIGNATED FLOOD HAZARD AREA AS SHOWN ON FLOOD INSURANCE RATE MAP NUMBER 25009C0129F PANEL 129 OF 600 EFFECTIVE DATE JULY 3, 2012.
- 8. PLAN BEARINGS ARE BASED UPON THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM (NAD83) MAINLAND ZONE PER GPS OBSERVATIONS.
- 9. ALL ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM (NAVD88), PER GPS OBSERVATIONS.
- 10. THE PORTION OF THIS PARCEL CONTAINING REGISTERED LAND IS IN THE PROCESS OF BEING REMOVED FROM LAND COURT.

# **LEGEND** PROPERTY LINE ABUTTERS PROPERTY LINE EXISTING EDGE OF PAVEMENT EXISTING DRAIN MANHOLE EXISTING SEWER MANHOLE EXISTING CONTOUR EXISTING WATER EXISTING HYDRANT EXISTING GATE VALVE EXISTING SEWER EXISTING DRAIN \_\_\_\_ D \_\_\_\_ D \_\_\_\_ $\bigcirc$ EXISTING TREE LINE A Comment of the Comm EXISTING CONCRETE EXISTING TEST PIT EXISTING DRILL HOLE EXISTING IRON PIN EXISTING BOUND EXISTING SIGN EXISTING SITE LIGHTING BUILDING SETBACK \_ \_ \_ \_ \_ \_ \_ \_ PROPOSED STRUCTURE PROPOSED CURB PROPOSED PAVEMENT \*\*\*\*\* PROPOSED CONCRETE PROPOSED CONTOUR PROPOSED SPOT GRADE X<sub>161.00</sub> PROPOSED SPOT GRADE BW: 155.67 (TW/BW) PROPOSED DRAIN PROPOSED SILT FENCE PROPOSED RETAINING WALL PROPOSED OPEN SPACE PROPOSED LANDSCAPE AREA PROPOSED WATER PROPOSED GATE VALVE/ REDUCER & HYDRANT PROPOSED GAS PROPOSED SEWER \_\_\_\_\_ PROPOSED SEWER MANHOLE —— ETC ——— ETC —— ELECTRIC/TELEPHONE/CABLE PROPOSED MONUMENT $\odot$ PROPOSED IRON PIN PROPOSED EASEMENT PROPOSED SIGN PROPOSED LIMIT OF WORK

# FOR 159 BEACH ROAD (MAP 28 / LOT 1) SALISBURY, MASSACHUSETTS 01952







3/4/24

3/4/24

3/4/24

3/4/24

08/11/23

FOR REGISTRY USE ONLY

THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE RULES AND REGULATIONS FOR RECORDING ADOPTED BY THE REGISTERS OF DEEDS IN 1978 AND AMENDED JANUARY 12, 1988.

NEER DA APPROVED BY THE TOWN OF SALISBURY PLANNING BOARD

DATE OF ENDORSEMENT

3/4/24 REV. PER PEER REVIEW
REVISIONS DESCRIPTION
PREPARED FOR:

LARKIN REAL
ESTATE GROUP INC.
383 MAIN STREET
MEDFIELD, MA 02052

EDWARD FOOTE JR.

& JOANNE F. BLAIS

125 CENTRAL AVENUE

SALISBURY, MA. 01952

159 BEACH ROAD

TAX MAP 28 - LOT 1
SALISBURY, MA. 01952

DATE ISSUED: DECEMBER 5, 2023

PREPARED BY: WILLIAM HALL, P.E.

PROJECT #: 21-10254



PROFESSIONAL ENGINEER FOR CIVIL DESIGN CONSULTANTS, INC.

CIVIL DESIGN Consultants, Inc.

344 North Main Street Tel: (978) 416-0920 Andover, MA 01810 Fax: (978) 416-7865

DRAWING TITLE:

.....

COVER SHEET

DRAWING #:

**C-1** 

ISSUED FOR APPROVAL:MARCH 4, 2024

PLAN INDEX:

C-1 COVER SHEET

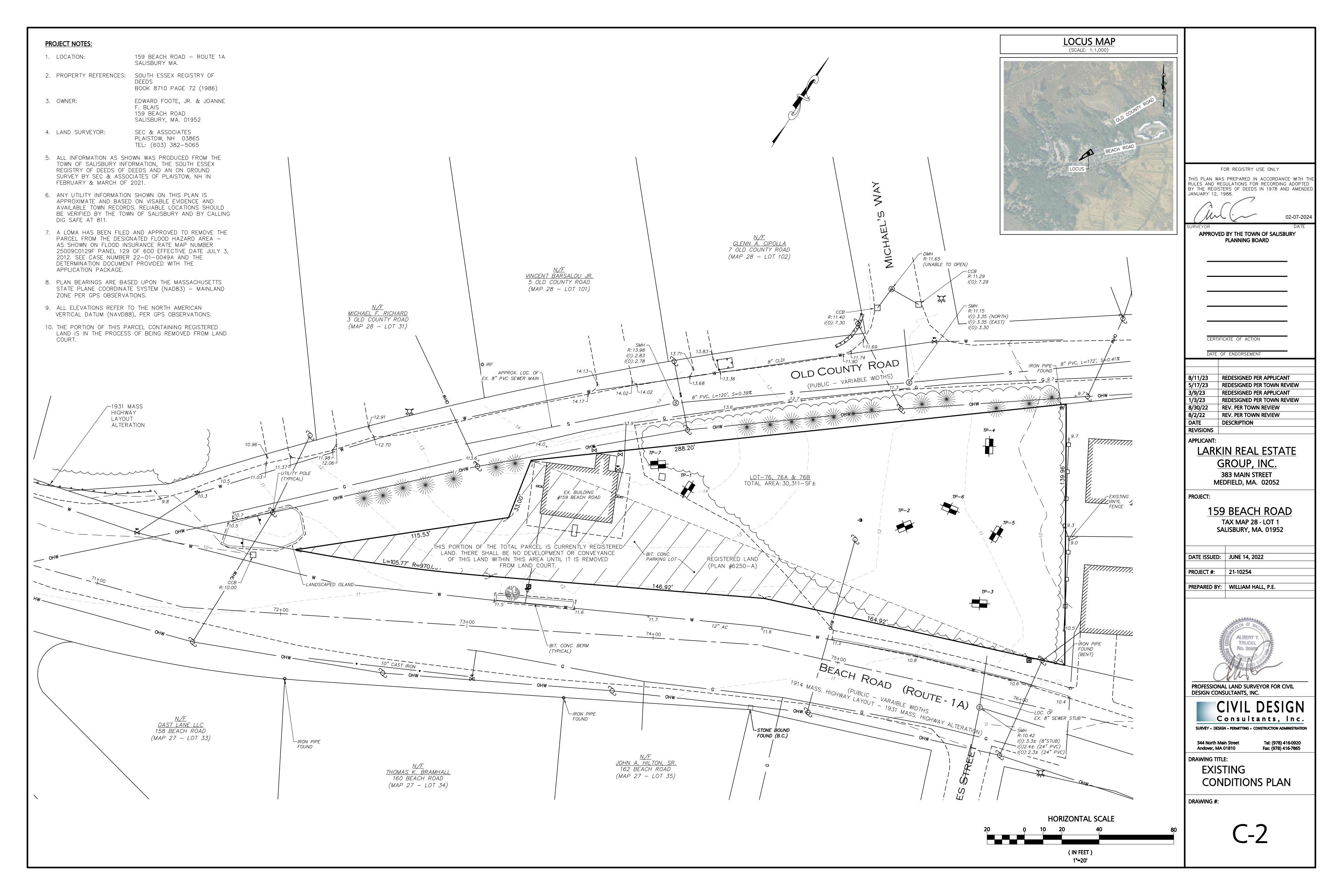
C-2 EXISTING CONDITIONS PLAN

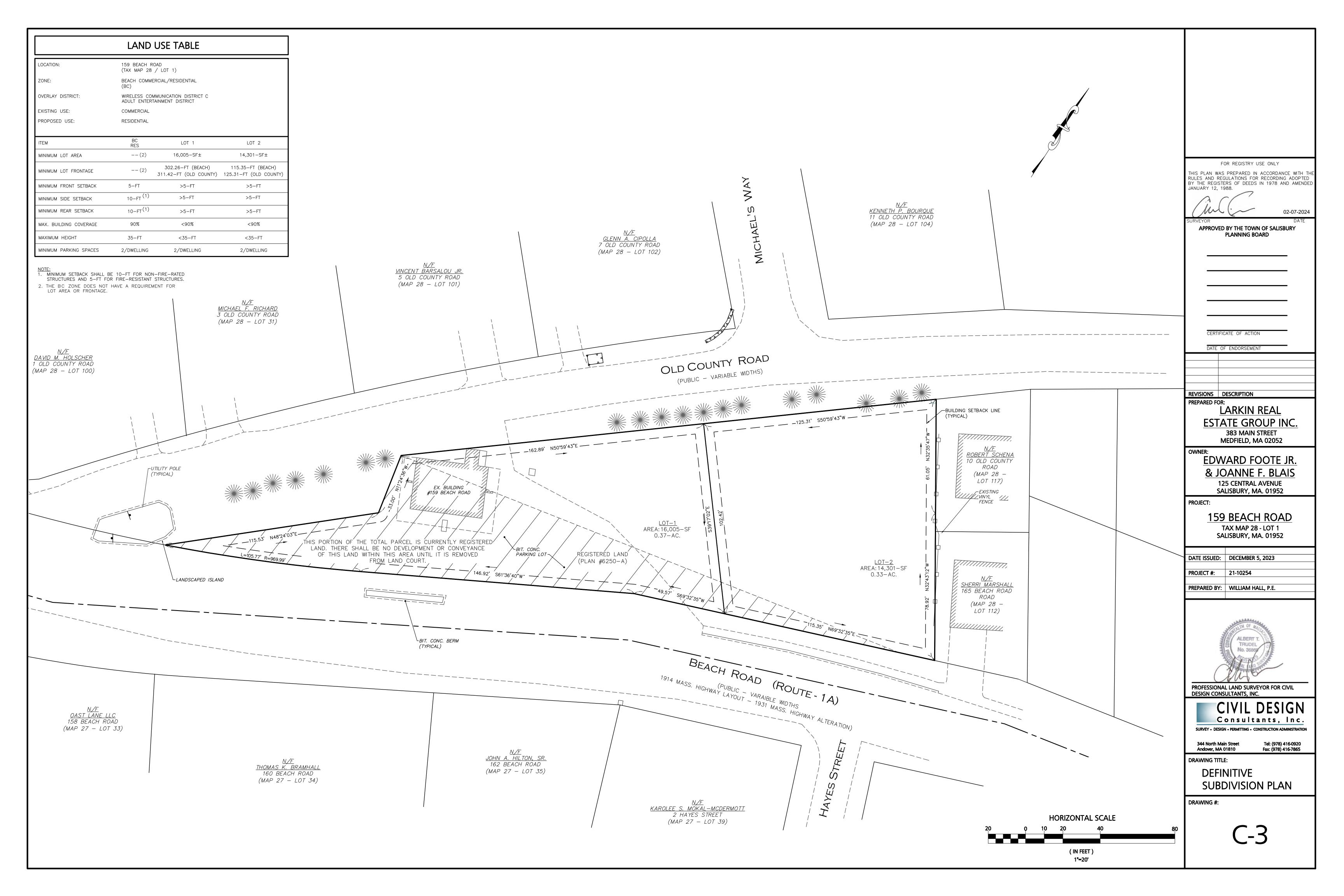
C-5 CONSTRUCTION PLAN

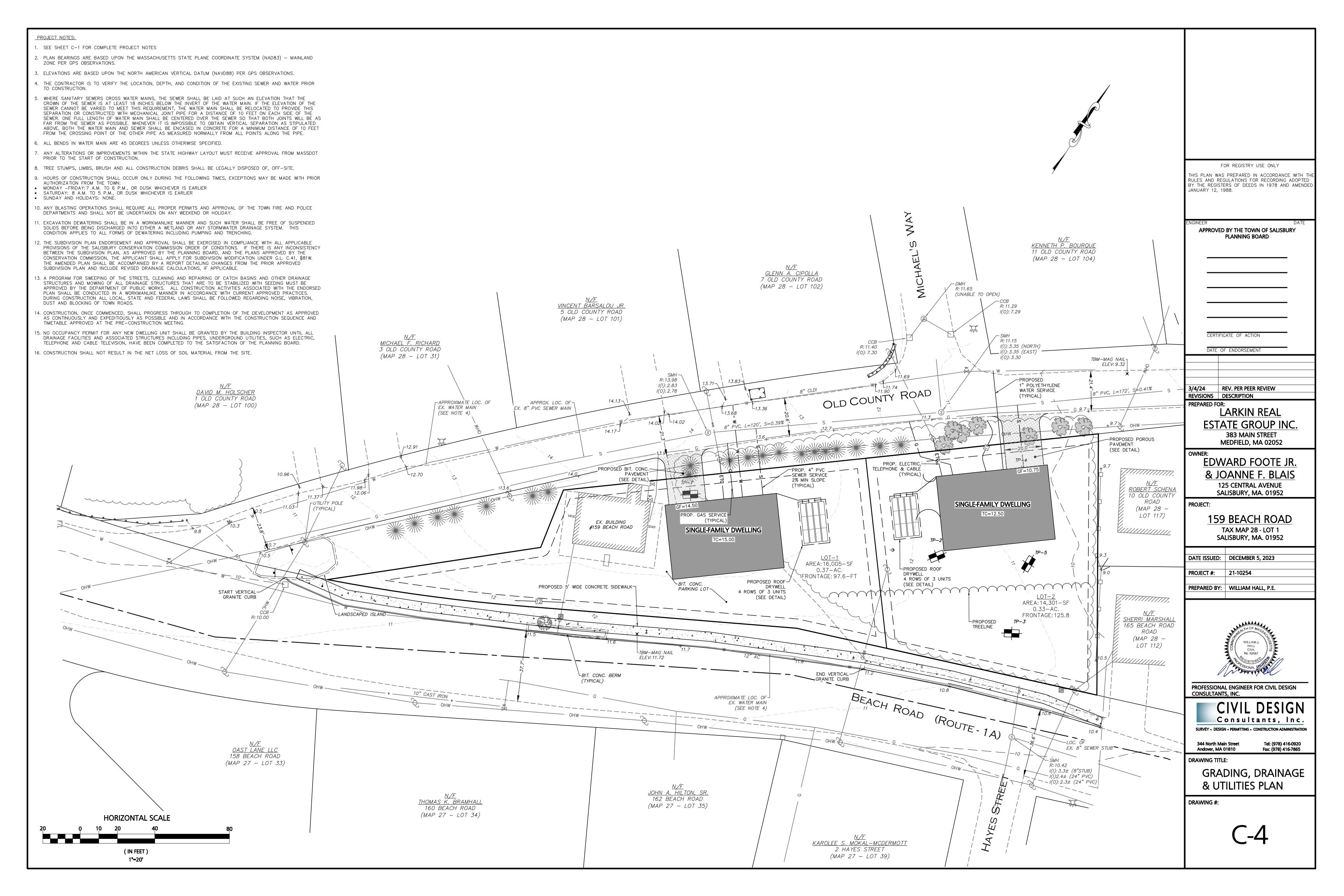
D-1 CONSTRUCTION DETAILS

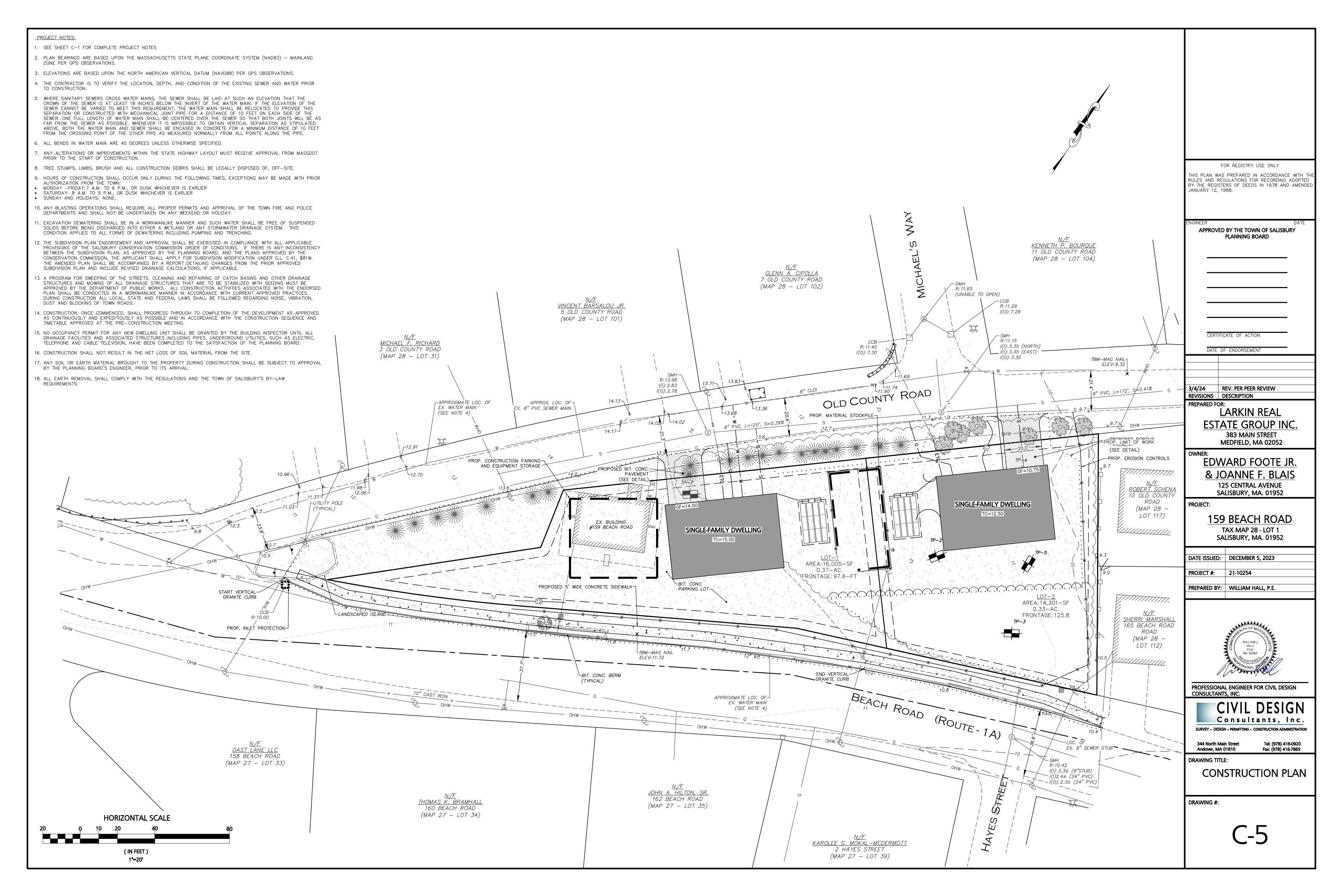
C-3 DEFINITIVE SUBDIVISION PLAN

C-4 GRADING, DRAINAGE & UTILITIES PLAN 3/4/24









# GENERAL UTILITY NOTES:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCHMARKS NECESSARY FOR THE WORK.
- WHERE SANITARY SEWERS CROSS WATER MAINS, THE SEWER SHALL BE LAID AT SUCH AN ELEVATION THAT THE CROWN OF THE SEWER IS AT LEAST 18 INCHES BELOW THE INVERT OF THE WATER MAIN. IF THE ELEVATION OF THE SEWER CANNOT BE VARIED TO MEET THIS REQUIREMENT. THE WATER MAIN SHALL BE RELOCATED TO PROVIDE THIS SEPARATION OR CONSTRUCTED WITH MECHANICAL-JOINT PIPE FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE SEWER. ONE FULL LENGTH OF WATER MAIN SHALL BE CENTERED OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. WHENEVER IT IS IMPOSSIBLE TO OBTAIN VERTICAL SEPARATION AS STIPULATED ABOVE, BOTH THE WATER MAIN AND THE SEWER MAIN SHALL BE ENCASED IN CONCRETE FOR A MINIMUM DISTANCE OF 10 FEET FROM THE CROSSING POINT OF THE OTHER PIPE AS MEASURED NORMALLY FROM ALL POINTS ALONG THE PIPE.
- 3. ALL UTILITY WORK PERFORMED WITHIN RIGHT-OF-WAY SHALL BE PERFORMED BY A CONTRACTOR LICENSED BY THE DPW AND OBTAIN A PERMIT FOR SUCH WORK FROM THE DPW AND MASSDOT, IF NEEDED.
- 4. ALL DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
- 5. A DUST EMISSION CONTROL PLAN SHALL BE DEVELOPED AND IMPLEMENTED BY THE CONTRACTOR IF CONDITIONS
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL UTILITIES AS SHOWN ON THESE PLANS IN ACCORDANCE WITH THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY CONSTRUCTION SHALL CONFORM TO THE APPROPRIATE UTILITY COMPANY STANDARDS FOR CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING SPECIFICATIONS OF MATERIALS AND INSTALLATION PROCEDURES AND INSTALL IN ACCORDANCE WITH APPLICABLE REGULATIONS.
- 7. THE CONTRACTOR IS RESPONSIBLE TO CONTACT AND DETERMINE, COORDINATE AND SCHEDULE ALL NECESSARY INSPECTIONS AND MONITORING WITH ALL APPROPRIATE UTILITY COMPANIES.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ANY PERMITS AND/OR CONNECTION FEES REQUIRED TO PERFORM THE WORK.
- 9. ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE PROJECT BENCHMARK AND MUST BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE RESTORATION AND CLEAN UP UPON COMPLETION OF THE PROJECT.
- 11. WATER AND SEWER TESTING TO CONFORM TO LOCAL DPW REGULATIONS.

- DETECTABLE WARNING PANEL

SIDEWALK

1.5% MAX

CROSS SLOPE

TRANSITION

(SEE NOTE 10)

**ACCESSIBLE CURB RAMP** 

(ACR) TYPE 'C

NOT TO SCALE

LANDSCAPE

AREA (TYP.)

- 12. ALL MECHANICAL JOINTS TO BE MEGALUG SERIES 1100 INSTALLED IN ACCORDING WITH MANUFACTURER RECOMMENDATIONS OR APPROVED EQUAL.
- 13. ALL SEWER SYSTEM MAINS, STRUCTURES AND CONNECTIONS SHALL BE INSTALLED AND INSPECTED IN ACCORDANCE WITH THE STANDARDS OF THE TOWN OF SALISBURY, MA WASTEWATER TREATMENT FACILITY.

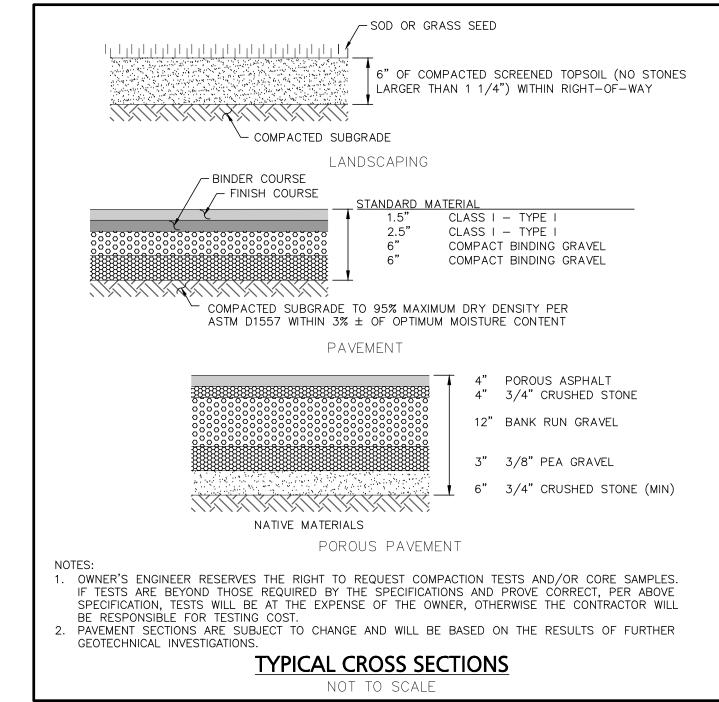
# GENERAL CONSTRUCTION NOTES

- 1. THE CONTRACTOR SHALL VERIFY THE PROPOSED LAYOUT WITH ITS RELATIONSHIP TO THE EXISTING SITE SURVEY. THE CONTRACTOR SHALL ALSO VERIFY ALL DIMENSIONS, SITE CONDITIONS, AND MATERIAL SPECIFICATIONS AND SHALL NOTIFY THE OWNER AND ENGINEER OF ANY ERRORS, OMISSIONS OR DISCREPANCIES BEFORE COMMENCING OR PROCEEDING WITH CONSTRUCTION.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, INSPECTIONS, BONDS, ETC. AND OTHER APPROVAL RELATED ITEMS. NO CONSTRUCTION SHALL COMMENCE UNTIL SUCH PERMITS HAVE BEEN
- 3. METHODS AND MATERIALS USED IN THE CONSTRUCTION OF IMPROVEMENTS FOR THIS PROJECT SHALL CONFORM TO THE CURRENT CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE MASSDOT AND THE LOCAL SUBDIVISION REGULATIONS.
- 4. CONTRACTOR TO CONFIRM AND VERIFY THE VALIDITY, LOCATION, MATERIAL, AND AVAILABILITY TO USE EXISTING UTILITIES ON OR NEAR THE PROJECT SITE PROPERTY. CONTRACTOR TO LOCATE EXISTING UTILITIES AND CONFIRM SAID UTILITIES WITH ALL APPLICABLE MUNICIPALITIES AND UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION. ONCE UTILITIES HAVE BEEN CONFIRMED IN THE FIELD BY CONTRACTOR AND VERIFIED BY APPLICABLE MUNICIPALITY AND UTILITY COMPANY AND CONNECTION HAS BEEN APPROVED BY ENTITY, ONLY THEN SHALL THI CONTRACTOR CONSTRUCT AND UTILIZE THESE UTILITIES. CONTRACTOR TO IMMEDIATELY INFORM THE ENGINEER OF RECORD OF ANY DEVIATIONS TO PLANS.
- 5. THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE ANY EXISTING UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF NECESSARY. THE EXISTENCE AND/OR LOCATION OF UTILITIES SHOWN ON THESE PLANS MAY BE ONLY APPROXIMATELY CORRECT AND THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN HEREON AND ANY OTHER EXISTING UTILITIES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING, AT HIS EXPENSE, ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.
- 6. THE CONTRACTOR SHALL NOTIFY OPERATORS WHO MAINTAIN UNDERGROUND UTILITY LINES IN THE AREA OF PROPOSED EXCAVATION AT LEAST THREE WORKING DAYS, BUT NOT MORE THAN TEN WORKING DAYS, PRIOR TO COMMENCEMENT OF EXCAVATION OR DEMOLITION. ALL WATER, GAS, SEWER AND OTHER UTILITIES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
- 7. RELOCATION OF ANY UTILITIES SHALL BE AT THE OWNERS EXPENSE AND COMPLETED WITH THE UTILITY WORK. THE OWNER SHALL BE NOTIFIED AS TO THE RELOCATIONS REQUIRED PRIOR TO THE START OF CONSTRUCTION.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING, WITH MATCHING MATERIALS, ANY PAVEMENT, WALKS,
- CURBS, ETC. THAT MUST BE CUT OR THAT ARE DAMAGED DURING CONSTRUCTION.
- 10. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE DOCUMENTS AND SUBSEQUENT ISSUED PLAN REVISIONS, ANY DEVIATIONS FROM THESE DOCUMENTS SHALL REQUIRE NOTIFICATION TO THE ENGINEER PRIOR TO

THE COMMENCEMENT OF CONSTRUCTING ANY CHANGE. THE CONTRACTOR WILL BE WORKING AT HIS OR HER OWN

9. AN APPROVED SET OF PLANS AND ALL APPLICABLE PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE.

- 11. ALL WATER AND SEWER CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TOWN OF SALISBURY RULES AND REGULATIONS AND INSPECTED AS REQUIRED.
- 12. WORK HOURS SHALL BE CONSISTENT WITH ALL LOCAL RULES AND REGULATIONS.
- 13. CONSTRUCTION VEHICLES AND PERSONNEL MUST NOT OBSTRUCT THE ROADWAY OR PUBLIC SIDEWALKS, NOR INTERFERE WITH SIGHT DISTANCES FOR TURNING VEHICLES.



FINISHED STREET GRADE - CURB STOP

TYPICAL WATER SERVICE CONNECTION

NOT TO SCALE

WORK AREA

MAINTENANCE:

MADE IMMEDIATELY

THE BARRIER.

1. FILTER SOCK SHALL BE INSPECTED

IMMEDIATELY AFTER EACH RAINFALL AND AT

LEAST DAILY DURING PROLONGED RAINFALL.

2. IF THE FABRIC SHOULD DECOMPOSE OR

ANY REPAIRS THAT ARE REQUIRED SHALL BE

BECOME INEFFECTIVE DURING THE EXPECTED

AFTER EVERY STORM EVENT. THE DEPOSITS

SHOULD BE REMOVED WHEN THEY REACH

WITH FILTER SOCK UPON COMPLETION OF

APPROXIMATELY ONE-HALF THE HEIGHT OF

LIFE OF THE FENCE, REPLACE PROMPTLY.

SEDIMENT DEPOSITS SHOULD BE INSPECTED

4. SEDIMENT DEPOSITS SHALL BE REMOVED

FILTER SOCK INSTALLATION

NOT TO SCALE

CONSTRUCTION ACTIVITIES.

36" (MIN.) FENCE POSTS DRIVEN 16" (MIN) INTO GROUND

- FILTER FABRIC (TERRATEX

-EXTEND FILTER FABRIC 8' (MIN.) INTO EX. GROUND

SC OR EQUAL)

NOTES:

SILT FENCES SHALL BE INSPECTED

MADE IMMEDIATELY.

THE BARRIER

AND VEGETATED.

IMMEDIATELY AFTER EACH RAINFALL AND AT

ANY REPAIRS THAT ARE REQUIRED SHALL BE

DURING THE EXPECTED LIFE OF THE FENCE.

SEDIMENT DEPOSITS SHOULD BE INSPECTED

SHOULD BE REMOVED WHEN THEY REACH

APPROXIMATELY ONE—HALF THE HEIGHT OF

SEDIMENT DEPOSITS THAT ARE REMOVED OR

CONFORM WITH THE EXISTING TOPOGRAPHY

LEFT IN PLACE AFTER THE FABRIC HAS

BEEN REMOVED SHALL BE GRADED TO

FILTER FABRIC SILT FENCE

NOT TO SCALE

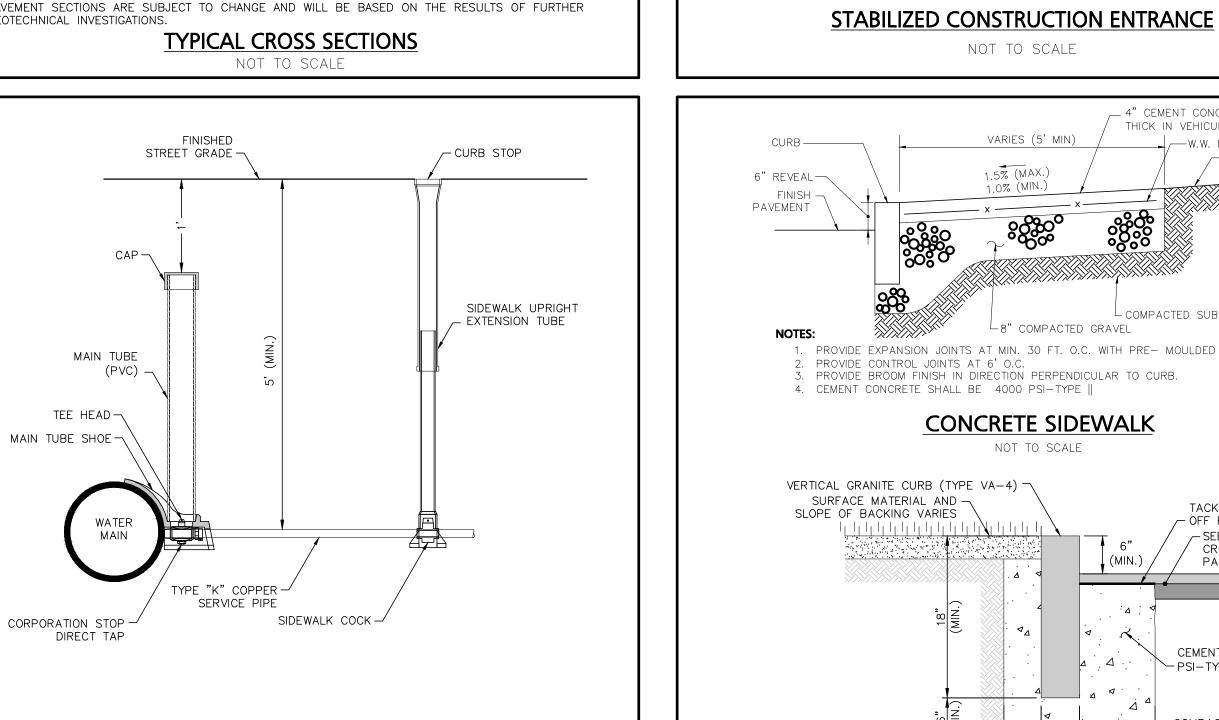
AFTER EVERY STORM EVENT. THE DEPOSITS

THE FABRIC SHALL BE REPLACED PROMPTLY

LEAST DAILY DURING PROLONGED RAINFALL

IF THE FABRIC ON A SILT FENCE SHOULD

DECOMPOSE OR BECOME INEFFECTIVE



2"x2"x36" WOODEN

-STATES @ 10' O.C.

−12" FILTREXX

BIOSOXX (OR

UNDISTURBED AREA

<u>,|,|,|,|,|,|,|,|,</u>|

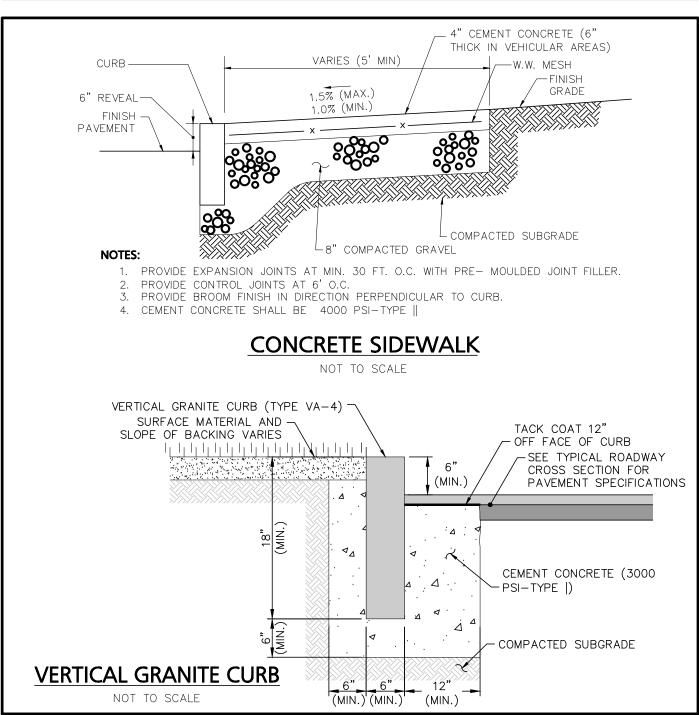
APPROVED EQUAL)

PAVEMENT NOT TO SCALE **EXISTING** /— PAVEMENT 4"−6" STONE¬ FILTER CLOTH-FOR REGISTRY USE ONLY THIS PLAN WAS PREPARED IN ACCORDANCE WITH T NOT TO SCALE RULES AND REGULATIONS FOR RECORDING ADOPTED CONSTRUCTION SPECIFICATIONS: BY THE REGISTERS OF DEEDS IN 1978 AND AMENDED JANUARY 12, 1988. USF 4"-6" STON RECOMMENDED LENGTH GREATER THAN 50 FEET WHERE PRACTICAL. THICKNESS NOT LESS THAN 12 INCHES. 12 FOOT MINIMUM WIDTH, BUT NOT LESS THAN FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WILL BE PERMITTED.

ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED BY THE CONTRACTOR.

ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT

9. REMOVE STABILIZED CONSTRUCTION ENTRANCE PRIOR TO PLACEMENT OF BITUMINOUS CONCRETE PAVEMENT



# APPROVED BY THE TOWN OF SALISBURY PLANNING BOARD ERTIFICATE OF ACTION

DATE OF ENDORSEMENT

REV. PER PEER REVIEW REVISIONS DESCRIPTION PREPARED FOR:

> LARKIN REAL **ESTATE GROUP INC 383 MAIN STREET** MEDFIELD, MA 02052

**EDWARD FOOTE JR** & JOANNE F. BLAIS 125 CENTRAL AVENUE

PROJECT:

159 BEACH ROAD **TAX MAP 28 - LOT 1** SALISBURY, MA. 01952

SALISBURY, MA. 01952

DATE ISSUED: DECEMBER 5, 2023 PROJECT #: 21-10254

PREPARED BY: | WILLIAM HALL, P.E.



PROFESSIONAL ENGINEER FOR CIVIL DESIGN CONSULTANTS, INC.

Consultants, Inc. SURVEY • DESIGN • PERMITTING • CONSTRUCTION ADMINISTRATION

Tel: (978) 416-0920

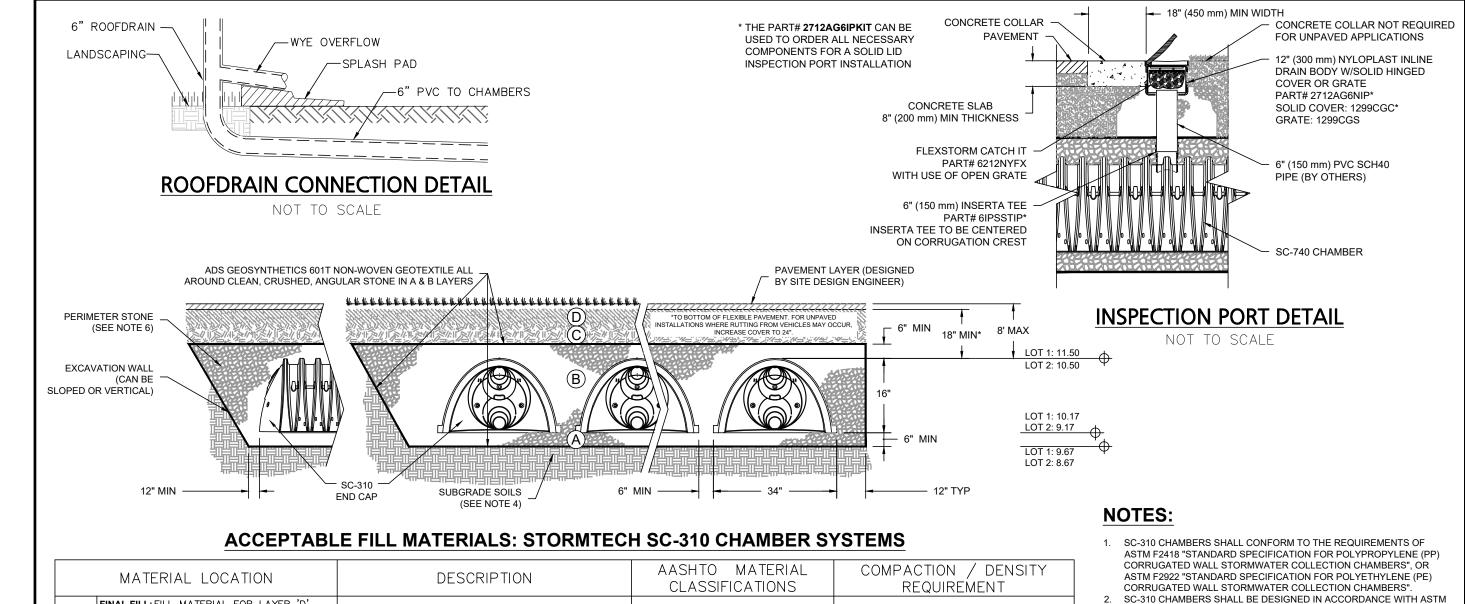
Fax: (978) 416-7865

344 North Main Street Andover, MA 01810

DRAWING TITLE:

CONSTRUCTION **DETAILS** 

DRAWING #:



MATERIAL LOCATION		DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
С	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE.  MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145 <sup>1</sup> A-1, A-2-4, A-3 OR AASHTO M43 <sup>1</sup> 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
В	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43¹ 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
А	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43¹ 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. 2 3
	(BOTTOM) OF THE CHAMBER.			

- PLEASE NOTE: THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED,
- STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.

# STORMTECH SC-310 DETAIL

- 1. THE MAXIMUM ALLOWABLE SIDEWALK AND CURB RAMP CROSS SLOPES SHALL BE 2.0% (1% MIN.)
- (I.E., HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.) 5. CURB TREATMENT VARIES, SEE PLANS FOR CURB TYPE.
- 6. BASE OF RAMP SHALL BE GRADED TO PREVENT PONDING
- 8. WHERE ACCESSIBLE ROUTES ARE LESS THAN 5' IN WIDTH (EXCLUDING CURBING) A 5' x 5' PASSING AREA
- 9. ELIMINATE ALL CURBING AT RAMP (OTHER THAN VERTICAL CURBING, WHICH SHALL BE SET FLUSH) WHERE IT
- 10. DETECTABLE WARNING PANELS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS.

# ADA COMPLIANT ACCESSIBLE CURB RAMP DETAIL

NOT TO SCALE

DETECTABLE WARNING PANEL \_1/4" LIP (MAX.) \_SEE NOTE 9 ACCESSIBLE CURB RAMP NOTES: TRANSITION

**ACCESSIBLE CURB RAMP** 

NOT TO SCALE

2. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMPS SHALL BE 5%.

THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE CURB RAMPS SHALL BE 8.0%. 4. A MINIMUM OF 3 FEET CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE

F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION

3. "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL

LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION

4. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE

SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE 5. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION

6. ONCE LAYER 'C' IS PLACED. ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE

LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

NOT TO SCALE

SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF

REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL

7. SEE TYPICAL SIDEWALK SECTION FOR RAMP CONSTRUCTION

SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 200 FEET.