

MASSACHUSETTS DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION

100% DESIGN PLANS

ROUTE 6 / SALT POND BAY DRAINAGE IMPROVEMENTS

IN THE TOWN OF EASTHAM BARNSTABLE COUNTY

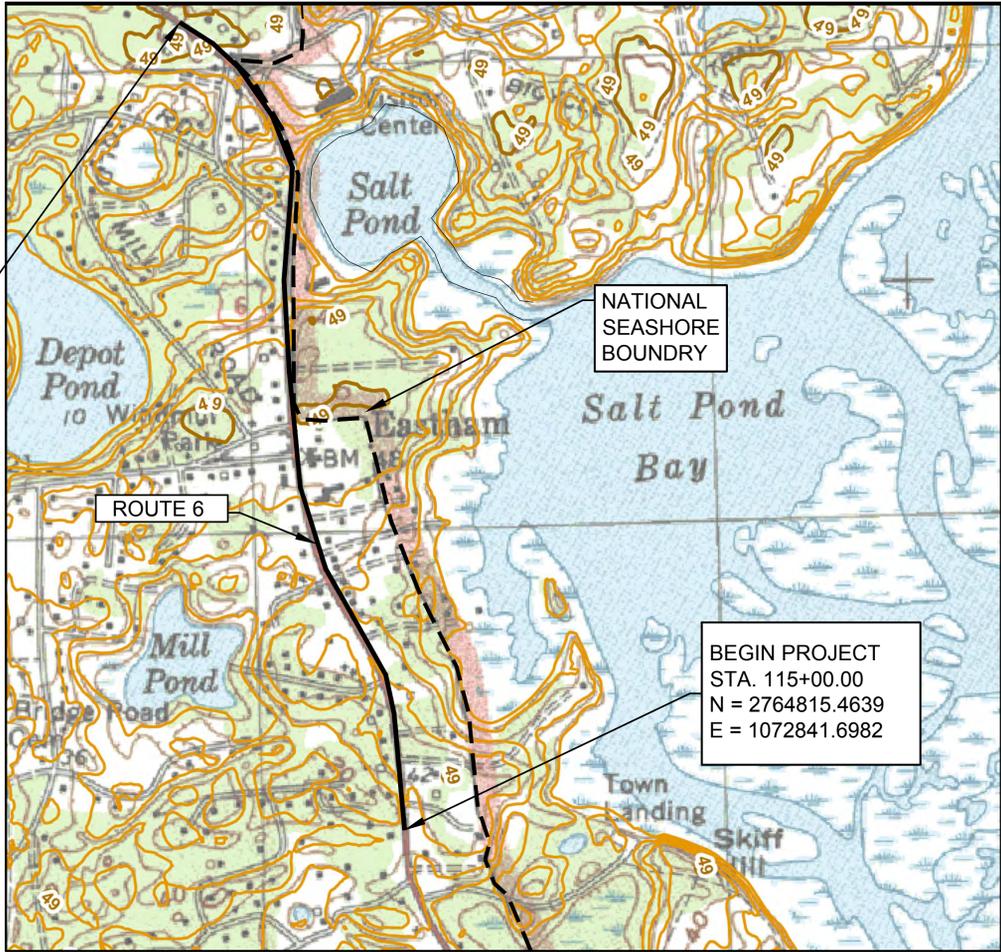
EASTHAM
ROUTE 6/SALT POND

STATE	SHEET NO.	TOTAL SHEETS
MASS.	1	18
PROJECT FILE NO. -		

TITLE AND INDEX SHEET

INDEX

SHEET NO.	DESCRIPTION
1	TITLE AND INDEX SHEET
2	LEGEND AND GENERAL NOTES
3	TYPICAL SECTIONS & PAVEMENT NOTES
4-15	CONSTRUCTION PLANS
16	TRAFFIC MANAGEMENT DETAILS
17-18	CONSTRUCTION DETAILS



THE 2006 MASSACHUSETTS HIGHWAY DEPARTMENT PROJECT DEVELOPMENT AND DESIGN GUIDE, THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES DATED 1988, THE ENGLISH SUPPLEMENTAL SPECIFICATIONS DATED JUNE 2012, THE STANDARD SPECIAL PROVISIONS, THE 2012 CONSTRUCTION STANDARDS DATED SEPTEMBER 2012, THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES WITH THE LATEST MASSACHUSETTS AMENDMENTS, THE 1990 STANDARD DRAWINGS FOR SIGNS AND SUPPORTS, THE 1968 STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, THE PLANS, DETAIL SHEETS, THE SPECIAL PROVISIONS AND ALL AMENDMENTS WILL GOVERN.

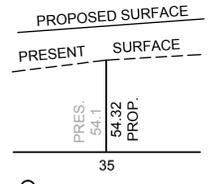
END PROJECT
STA. 169+00.00
N = 2769849.1751
E = 1071427.8692

NATIONAL
SEASHORE
BOUNDRY

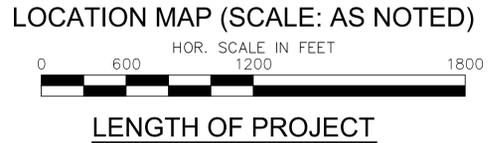
BEGIN PROJECT
STA. 115+00.00
N = 2764815.4639
E = 1072841.6982

CONVENTIONAL SIGNS

COUNTY, CITY, OR TOWN BOUNDARY	-----
COUNTY, CITY, OR TOWN SIDE LINE	-----
FENCE LINE	=====
BASE LINE OR SURVEY LINE	-----
RIGHT OF WAY LINE	-----
CULVERT	=====



ELEVATIONS	-----
POLE	-----



SALT POND ROAD = 5400.00 FT = 1.03 MILES

JUNE 2012

DATE	DESCRIPTION	ACTION	

Weston & Sampson
100 Foxborough Blvd., S.250, Foxborough, MA
(508) 698-3034 (800) SAMPSON
www.westonandsampson.com



RECOMMENDED FOR APPROVAL	
CHIEF ENGINEER	DATE
APPROVED	
HIGHWAY ADMINISTRATOR	DATE

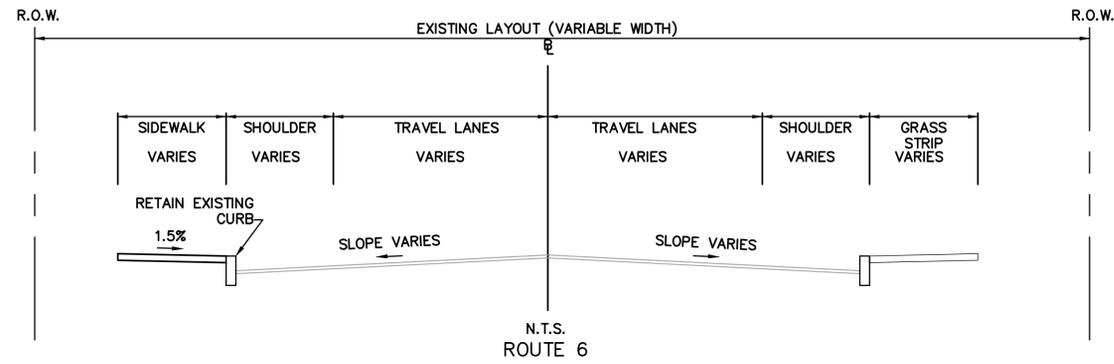
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED:	
DIVISION ADMINISTRATOR	DATE

IN CHARGE: _____ DATE: _____
 DRAWN BY: _____ DATE: _____
 CHECKED BY: _____
 DIVISION: _____

CERTIFICATION STATEMENT
TO THE BEST OF MY KNOWLEDGE, JUDGEMENT, AND BELIEF, THESE PRACTICES ARE INSTALLED IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS AND MEET NRCS STANDARDS.

STATE	SHEET NO.	TOTAL SHEETS
MASS.	3	18
PROJECT FILE NO. -		

TYPICAL SECTIONS & PAVEMENT NOTES



PAVEMENT NOTES:

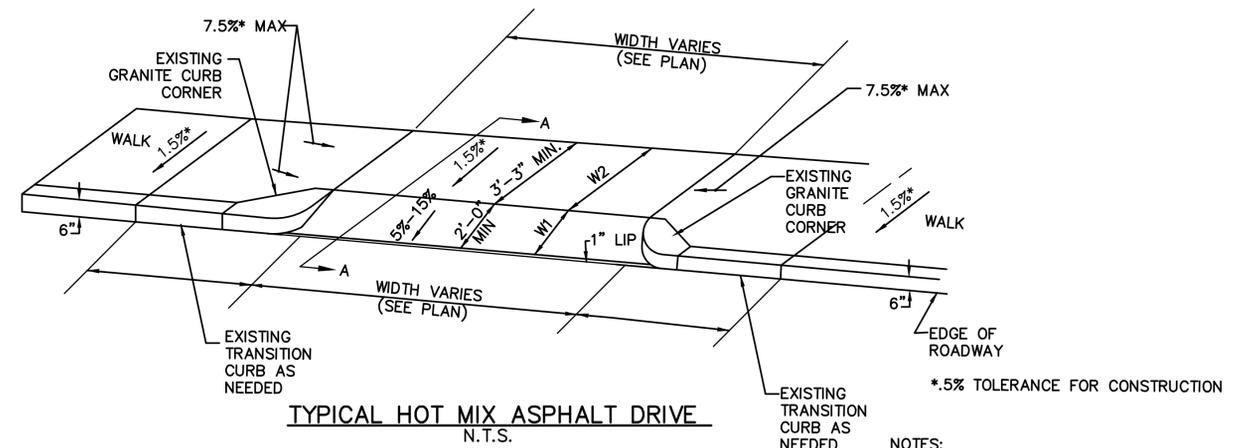
PERMANENT ROADWAY TRENCH PATCH:
2" HOT MIX ASPHALT TOP COURSE MATERIAL, OVER 2½" HOT MIX ASPHALT BINDER COURSE MATERIAL, OVER 2½" HOT MIX ASPHALT BINDER MATERIAL, OVER 4" DENSE GRADED CRUSHED STONE, OVER 8" GRAVEL BASE FOR SUB-BASE OVER SUITABLE BACKFILL MATERIAL.

TEMPORARY AND SIDEWALK TRENCH PATCH:
2" HOT MIX ASPHALT BINDER MATERIAL OVER 2" HOT MIX ASPHALT BINDER MATERIAL OVER SUITABLE BACKFILL MATERIAL.

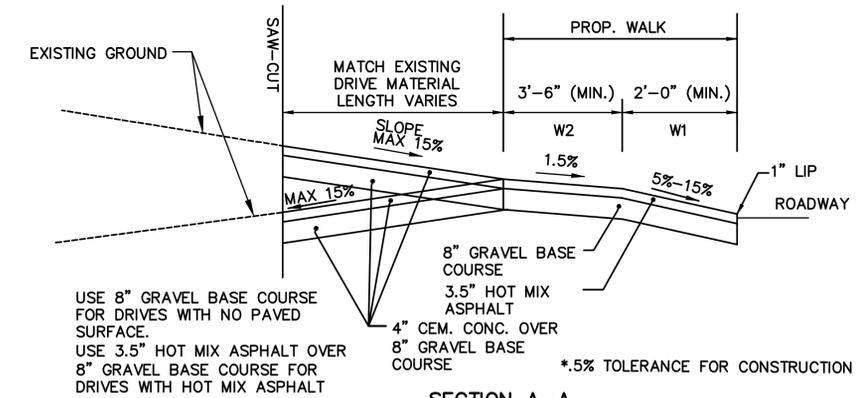
CEMENT CONCRETE SIDEWALK:
4" CEMENT CONCRETE OVER 8" GRAVEL BORROW, TYPE B.

HOT MIX ASPHALT SIDEWALK:
2.5" HOT MIX ASPHALT (1.25" HOT MIX ASPHALT TOP COURSE OVER 1.25" HOT MIX ASPHALT BINDER COURSE) OVER 8" GRAVEL BASE COURSE.

HOT MIX ASPHALT DRIVEWAY:
3.5" HOT MIX ASPHALT (1.5" HOT MIX ASPHALT TOP COURSE OVER 2" HOT MIX ASPHALT BINDER COURSE) OVER 8" GRAVEL BASE COURSE.



NOTES:
1. SOME EXISTING DRIVEWAYS HAVE CURB CORNERS AND SOME HAVE GRANITE TRANSITION CURB. CURB CORNERS AND TRANSITION CURB SHALL BE REMOVED AND RESET IN ORDER TO GRADE THE PROPOSED DRIVEWAY AS SHOWN IN THE DETAIL.



USE 8" GRAVEL BASE COURSE FOR DRIVES WITH NO PAVED SURFACE.
USE 3.5" HOT MIX ASPHALT OVER 8" GRAVEL BASE COURSE FOR DRIVES WITH HOT MIX ASPHALT

8" GRAVEL BASE COURSE
3.5" HOT MIX ASPHALT
4" CEM. CONC. OVER 8" GRAVEL BASE COURSE

*.5% TOLERANCE FOR CONSTRUCTION

SECTION A-A

WESTON & SAMPSON

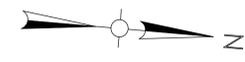
IN CHARGE: _____ DATE: _____
DRAWN BY: _____ DATE: _____
CHECKED BY: _____
DWGNAME: _____

EASTHAM
ROUTE 6/SALT POND

STATE	SHEET NO.	TOTAL SHEETS
MASS.	4	18

PROJECT FILE NO. -

CONSTRUCTION PLAN



MAP 15 LOT 103-0-R
N/F
SACK FAMILY TRUST
BK 20237 PG 276

MAP 15 LOT 146-0-R
N/F
JUSTIN & PATRICIA DUPAUL
BK 16481 PG 129

MAP 15 LOT 152-0-R
N/F
DANA GREEN
BK 13788 PG 206

PROP. 68'-24"
HDPE LEACHING
TRENCH

PROP. 12" HDPE

15" CEDAR 39'
18" OAK 39'

1936 STATE HIGHWAY ALTERATION #3204

PROP. LB +47.5
R=40.5'±
INV.=34.5'

EXISTING CBCI
R=39.16'
I=35.46'
INV.=34.96 (12
TO LB

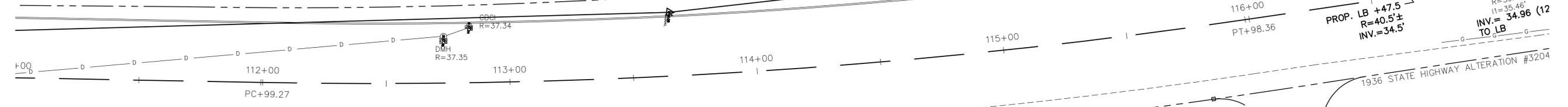
1936 STATE HIGHWAY ALTERATION #3204

MAP 15A LOT 5-0-R
N/F
BRENT P. BAZZANO
BK 14839 PG 179

MAP 15A LOT 1-0-R
N/F
GETANO J. & CYNTHIA P. BAZZANO
BK 10942 PG 123

MAP 15 LOT 105-B-R
N/F
BRENT L. & JOANN D. CARLSON
BK 16525 PG 227

MAP 15 LOT 105-A-R
N/F
MCCULLEY REALTY TRUST
BK 15805 PG 57



(IN FEET)
1 inch = 20 ft.

WESTON & SAMPSON

IN CHARGE: _____ DATE: _____
DRAWN BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____
DWGNAME: _____

EASTHAM
ROUTE 6/SALT POND

STATE	SHEET NO.	TOTAL SHEETS
MASS.	5	18

PROJECT FILE NO. -

CONSTRUCTION PLAN

MAP 15 LOT 103-0-R
N/F
SACK FAMILY TRUST
BK 20237 PG 276

MAP 15 LOT 101-0-R
N/F
JAMES C. & JANE A. RAINEY
BK 8170 PG 105

MAP 15 LOT 97-B-R
N/F
WHISPERING PINES CONDOMINIUMS
BK 6855 PG 283

PROP. 66'-24"
HDPE LEACHING
TRENCH

PROP. 12" HDPE

PROP. LB +27.5
R=39.70'±
INV.=34.5 (24")
INV.=34.5 (24")
INV.=34.76 (12")

PROP. 112'-24"
HDPE LEACHING
TRENCH

PROP. LB +67.8
R=38.30'±
INV.=32.3

PROP. LB +39.1
R=37.80'±
INV.=32.3 (24")
INV.=33.54 (12")

PROP. 112'-24"
HDPE LEACHING
TRENCH

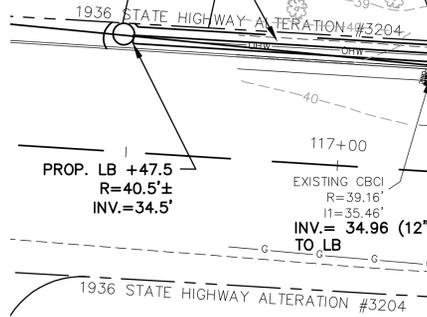
PROP. LB +57
R=36.50'±
INV.=32.3

PROP. LB +98
R=35.90'±
INV.=29.0

PROP. LB +68.8
R=34.90'±
INV.=29.00 (24")
INV.=29.00 (24")
INV.=29.52 (12")

PROP. 112'-24"
HDPE LEACHING
TRENCH

DMH
R=34.28'
I1=29.18'
I2=28.98'
I3=30.08'



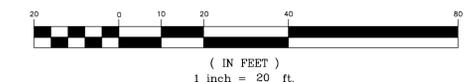
MAP 15A LOT 1-0-R
N/F
GETANO J. & CYNTHIA P. BAZZANO
BK 10942 PG 123

MAP 15 LOT 100-0-R
N/F
THOMAS B. & HEATHER L. MAILLET
BK 22188 PG 101

MAP 15 LOT
98-A-R
N/F
2000 ROUTE
6 LLC
CERT
188922

MAP 15 LOT 96-L-R
N/F
DAVID F. & JUDITH K. BRAINERD
BK 10512 PG 292

NOTE: ALL AREAS DISTURBED BY
PROPOSED WORK SHALL BE
RESTORED TO ORIGINAL CONDITIONS
(E.G. HMA, LOAM AND SEED, ETC.).



IN CHARGE: _____
DRAWN BY: _____
CHECKED BY: _____
DATE: _____
DATE: _____
DWGNAME

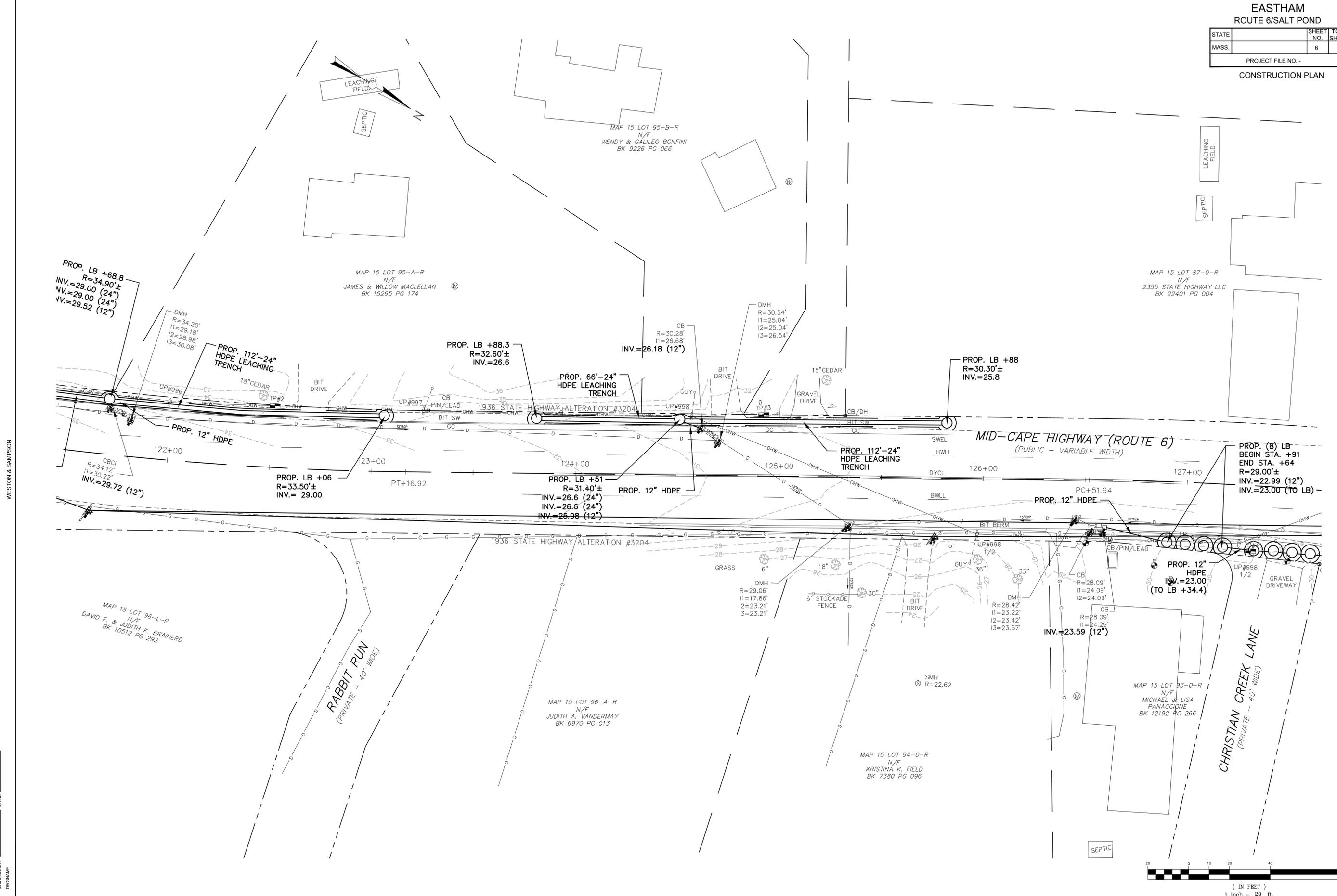
WESTON & SAMPSON

EASTHAM
ROUTE 6/SALT POND

STATE	SHEET NO.	TOTAL SHEETS
MASS.	6	18

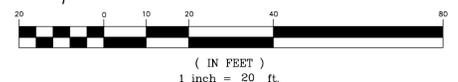
PROJECT FILE NO. -

CONSTRUCTION PLAN



WESTON & SAMPSON

IN CHARGE: _____ DATE: _____
 DRAWN BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 DWG NAME: _____

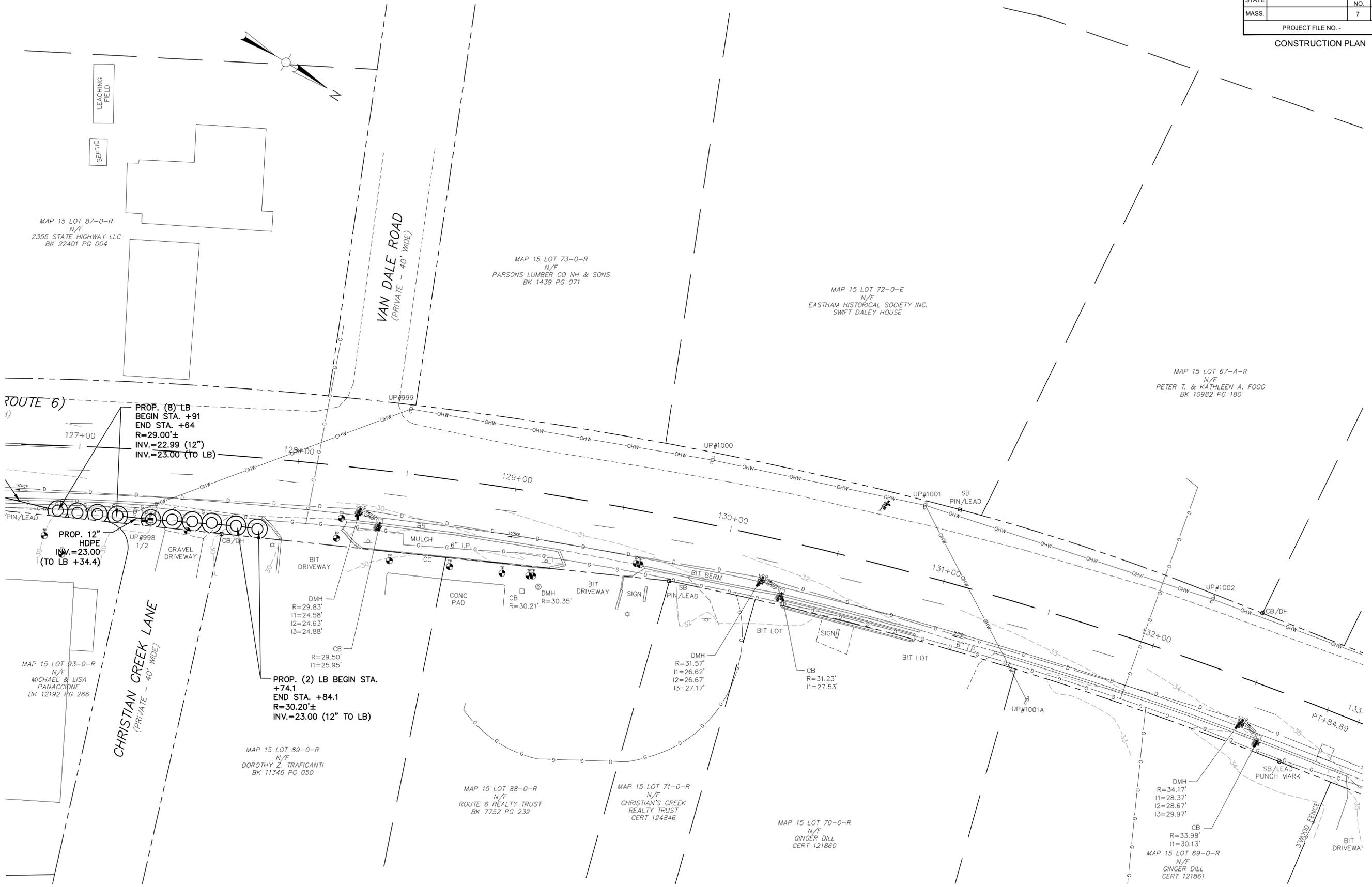
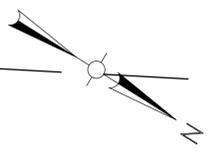


**EASTHAM
ROUTE 6/SALT POND**

STATE	SHEET NO.	TOTAL SHEETS
MASS.	7	18

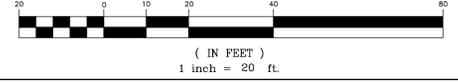
PROJECT FILE NO. -

CONSTRUCTION PLAN



WESTON & SAMPSON

IN CHARGE: _____ DATE: _____
 DRAWN BY: _____ DATE: _____
 CHECKED BY: _____
 DWGNAME: _____

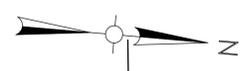


EASTHAM
ROUTE 6/SALT POND

STATE	SHEET NO.	TOTAL SHEETS
MASS.	8	18

PROJECT FILE NO. -

CONSTRUCTION PLAN



MAP 15 LOT 75-H-R
 N/F
 NANCY P. BALDWIN
 BK 17728 PG 179

MAP 15 LOT 59-0-R
 N/F
 DAVID A. BROWN LIVING TRUST
 BK 24630 PG 283

MAP 15 LOT 12-0-E
 N/F
 TOWN OF EASTHAM WINDMILL
 BK 994 PG 314

MAP 15 LOT 66-0-R
 N/F
 ELEANOR P. MILLS
 BK 7213 PG 349

BIT PARKING LOT

PROP. LB+36.4
 R=40.25±
 INV.=35.00 (24")
 INV.=35.06 (12")

PROP. 12" HDPE
 R=39.26'
 I1=FULL OF DIRT
 PROP. 12" HDPE
 INV.=35.26 (SEE NOTE 1)

CB
 R=41.19'
 I1=40.49'
 I2=NOT VISIBLE
 FULL OF DIRT

PROP. LB+57.4
 R=41.90±
 INV.=35.00

PROP. 115'-24"
 HDPE LEACHING TRENCH

PROP. (5) LB
 BEGIN STA. +65.7
 END STA. +01.9
 R=43.90±
 INV.=36.24

PROP. 12" HDPE OUT
 INV.= 36.44

PROP. 12" HDPE
 INV.=38.62
 (TO LB)

PROP. (5) LB
 BEGIN STA. +35.9
 END STA. +72.4
 R=43.10±
 INV.=38.11

PROP. 12" HDPE OUT
 INV.= 38.41

PROP. (2) LB+24.6
 R=38.40±
 INV.=33.9 (24")
 INV.=33.0 (12")

CONNECT TO 24" HDPE
 BEND AND REDUCER

PROP. 12" HDPE

DMH
 R=34.17'
 I1=28.37'
 I2=28.67'
 I3=29.97'

CB
 R=33.98'
 I1=30.13'
 MAP 15 LOT 69-0-R
 N/F
 GINGER DILL
 CERT 121861

MAP 15 LOT 64-0-R
 N/F
 AVELLAR FAMILY
 REAL ESTATE TRUST
 BK 9494 PG 261

MAP 15 LOT 65-P-R
 N/F
 FIRST HORIZON HOME LOANS
 BK 25308 PG 218

MAP 15 LOT 61-0-E
 N/F
 TOWN OF EASTHAM TOWN HALL
 BK 1397 PG 143

NOTE 1: CONTRACTOR SHALL COORDINATE WITH MASSDOT TO REMOVE DEBRIS FROM ALL CB STRUCTURES AND VERIFY INVERTS PRIOR TO CONSTRUCTION. PROPOSED OUTLETS SHALL BE 6" BELOW EXISTING OUTLETS UNLESS OTHERWISE APPROVED BY OWNER.



(IN FEET)
 1 inch = 20 ft.

IN CHARGE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 DATE: _____
 DATE: _____
 DWGNAME: _____

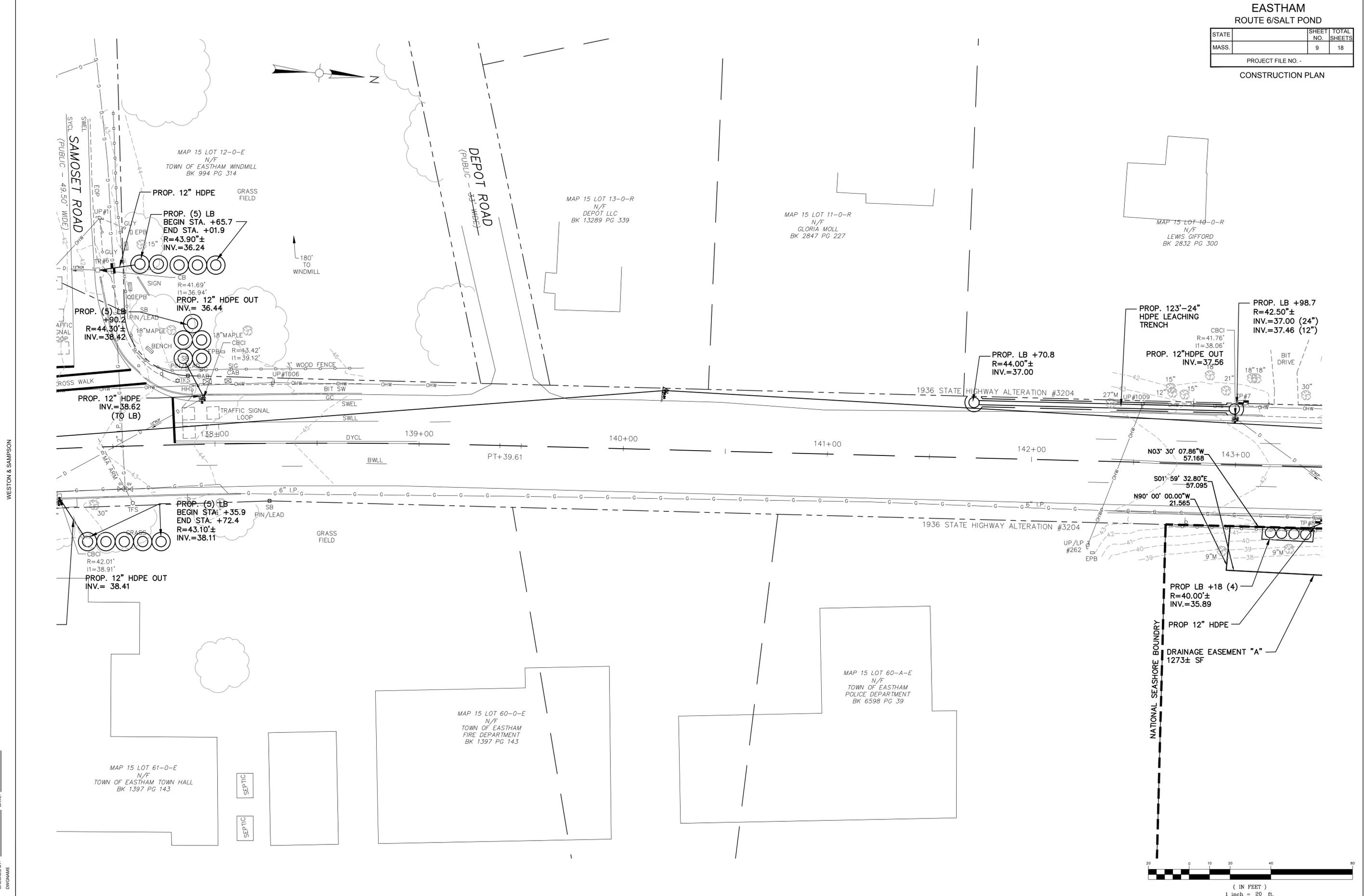
WESTON & SAMPSON

EASTHAM
ROUTE 6/SALT POND

STATE	SHEET NO.	TOTAL SHEETS
MASS.	9	18

PROJECT FILE NO. -

CONSTRUCTION PLAN



IN CHARGE: _____ DATE: _____
 DRAWN BY: _____ DATE: _____
 CHECKED BY: _____
 DIVISION: _____

(IN FEET)
 1 inch = 20 ft.

EASTHAM
ROUTE 6/SALT POND

STATE	SHEET NO.	TOTAL SHEETS
MASS.	10	18

PROJECT FILE NO. -

CONSTRUCTION PLAN

MAP 15 LOT 6-0-R
N/F
PATRICK J. & MARGARET A. BOYLE
BK 3155 PG 162

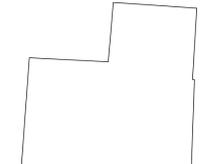
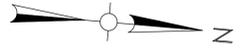
MAP 15 LOT 8-0-R
N/F
SYDNEY A. MILLIKEN TRUSTEE
SYDNEY MILLIKEN 2010 TRUST
BK 24988 PG 282

MAP 15 LOT 7-0-R
N/F
STRAZYK NOMINEE REALTY TRUST
GERALDINE T. & SHAUGHN STRAZYK
BK 19567 PG 342

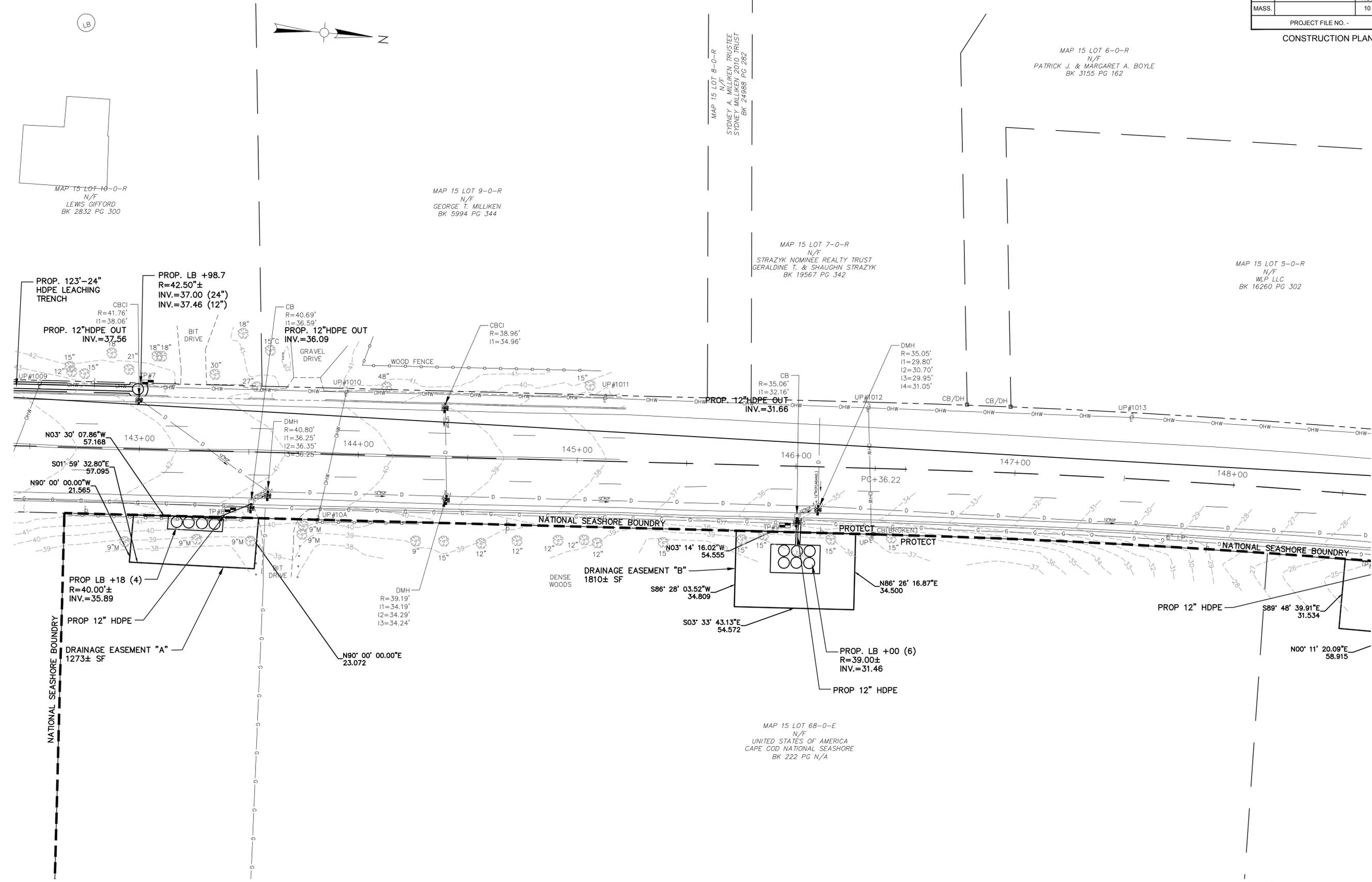
MAP 15 LOT 5-0-R
N/F
WLP, LLC
BK 16260 PG 302

MAP 15 LOT 9-0-R
N/F
GEORGE T. MILLIKEN
BK 5994 PG 344

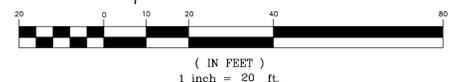
MAP 15 LOT 10-0-R
N/F
LEWIS GIFFORD
BK 2832 PG 300



WESTON & SAMPSON



IN CHARGE: _____ DATE: _____
 DRAWN BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 DWGNAME: _____



EASTHAM
ROUTE 6/SALT POND

STATE	SHEET NO.	TOTAL SHEETS
MASS.	11	18

PROJECT FILE NO. -
CONSTRUCTION PLAN



MAP 15 LOT 5-0-R
 N/F
 WLP LLC
 BK 16260 PG 302

MAP 12 LOT 16-0-R
 N/F
 NORMAND F. & BEVERLY C. PLANTE
 BK 2391 PG 78

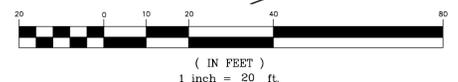
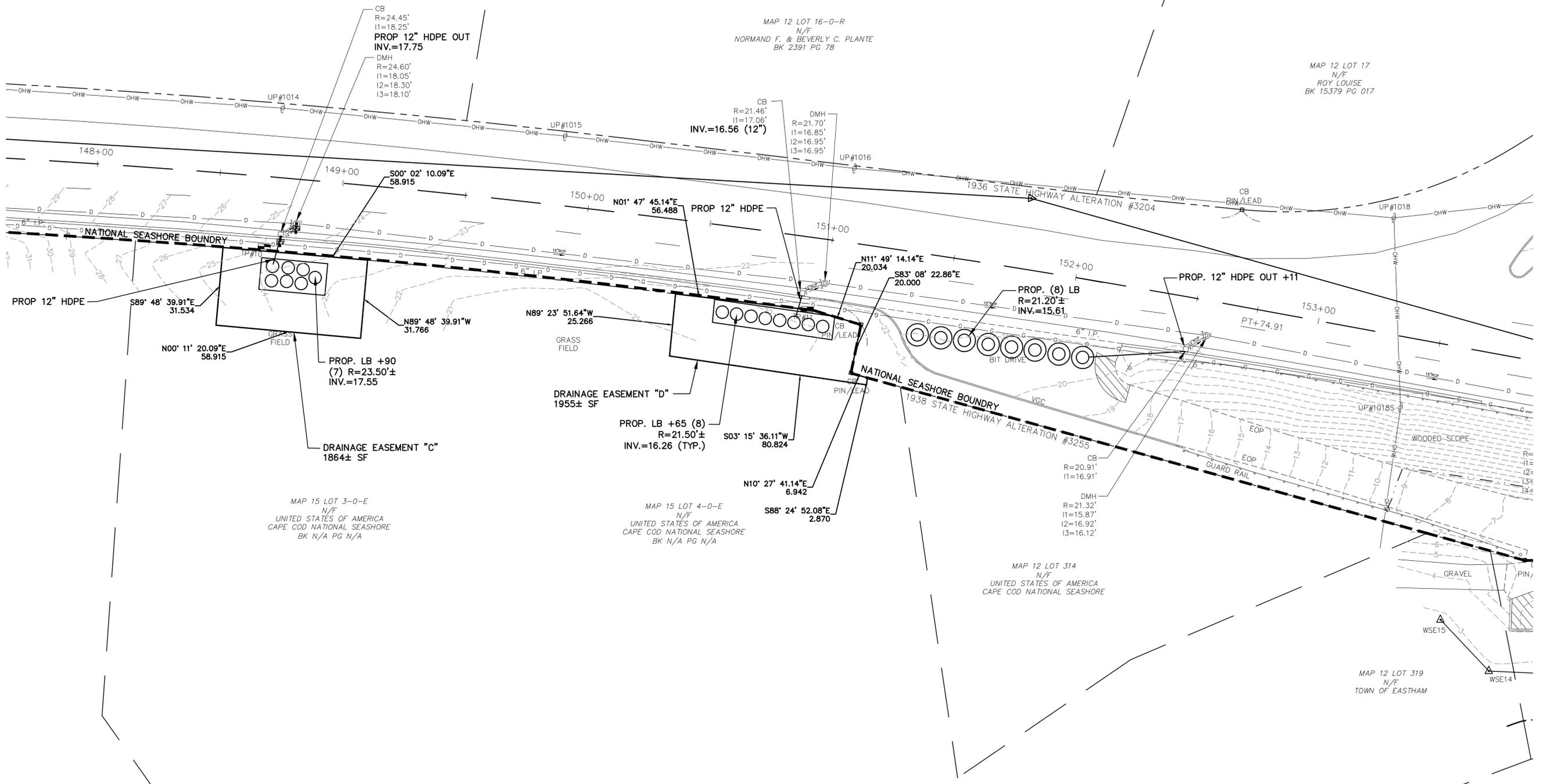
MAP 12 LOT 17
 N/F
 ROY LOUISE
 BK 15379 PG 017

MAP 15 LOT 3-0-E
 N/F
 UNITED STATES OF AMERICA
 CAPE COD NATIONAL SEASHORE
 BK N/A PG N/A

MAP 15 LOT 4-0-E
 N/F
 UNITED STATES OF AMERICA
 CAPE COD NATIONAL SEASHORE
 BK N/A PG N/A

MAP 12 LOT 314
 N/F
 UNITED STATES OF AMERICA
 CAPE COD NATIONAL SEASHORE

MAP 12 LOT 319
 N/F
 TOWN OF EASTHAM



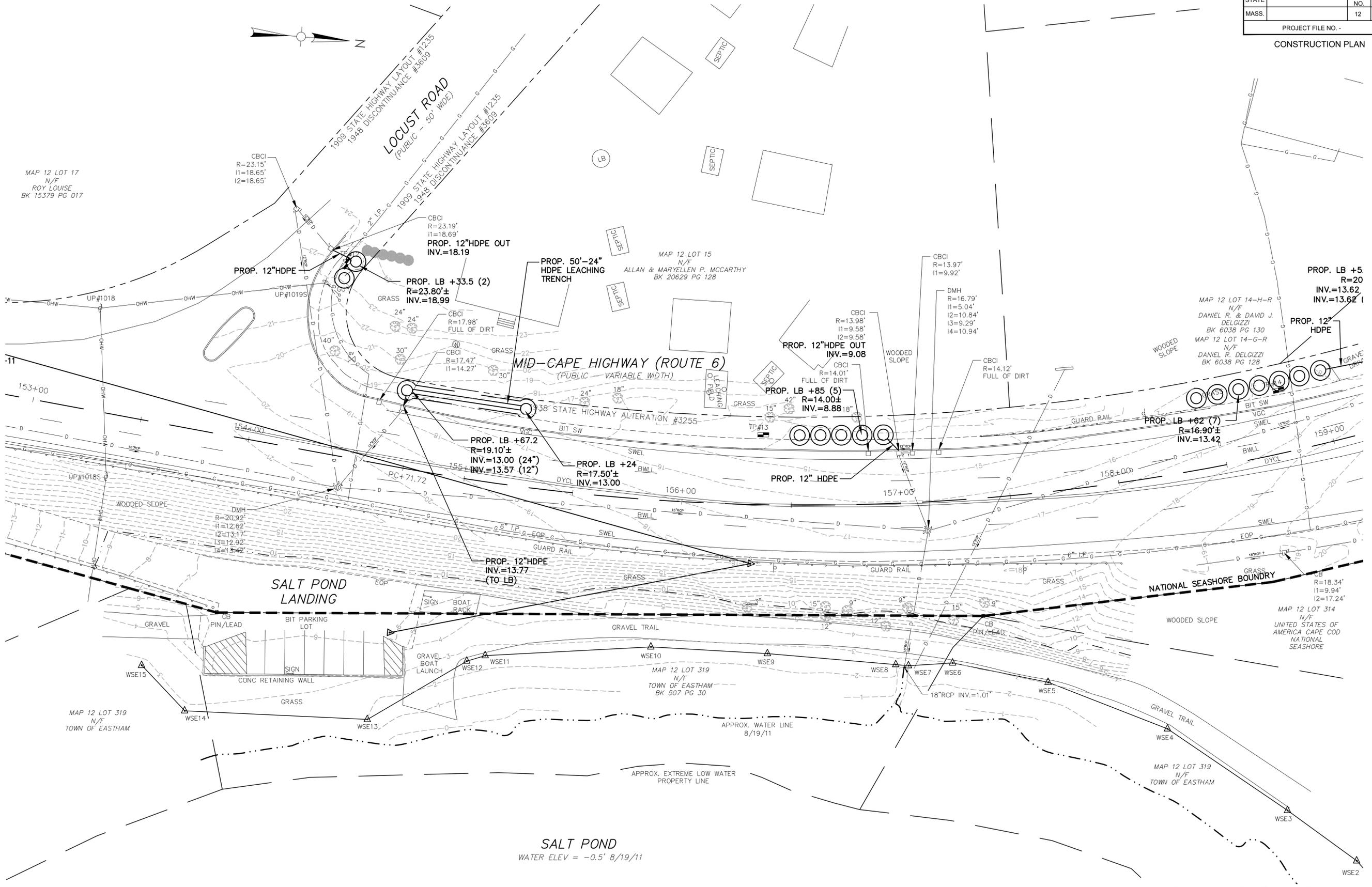
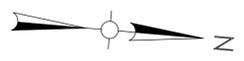
IN CHARGE: _____ DATE: _____
 DRAWN BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 DIVISION: _____

WESTON & SAMPSON

EASTHAM
ROUTE 6/SALT POND

STATE	SHEET NO.	TOTAL SHEETS
MASS.	12	18

PROJECT FILE NO. -
CONSTRUCTION PLAN



MAP 12 LOT 17
 N/F
 ROY LOUISE
 BK 15379 PG 017

MAP 12 LOT 15
 N/F
 ALLAN & MARYELLEN P. MCCARTHY
 BK 20629 PG 128

MAP 12 LOT 14-H-R
 N/F
 DANIEL R. & DAVID J.
 DELGIZZI
 BK 6038 PG 130
 MAP 12 LOT 14-G-R
 N/F
 DANIEL R. DELGIZZI
 BK 6038 PG 128

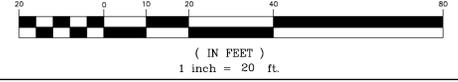
MAP 12 LOT 314
 N/F
 UNITED STATES OF
 AMERICA CAPE COD
 NATIONAL
 SEASHORE

MAP 12 LOT 319
 N/F
 TOWN OF EASTHAM

MAP 12 LOT 319
 N/F
 TOWN OF EASTHAM
 BK 507 PG 30

MAP 12 LOT 319
 N/F
 TOWN OF EASTHAM

SALT POND
 WATER ELEV = -0.5' 8/19/11



IN CHARGE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 DATE: _____
 DATE: _____
 DWGNAME: _____

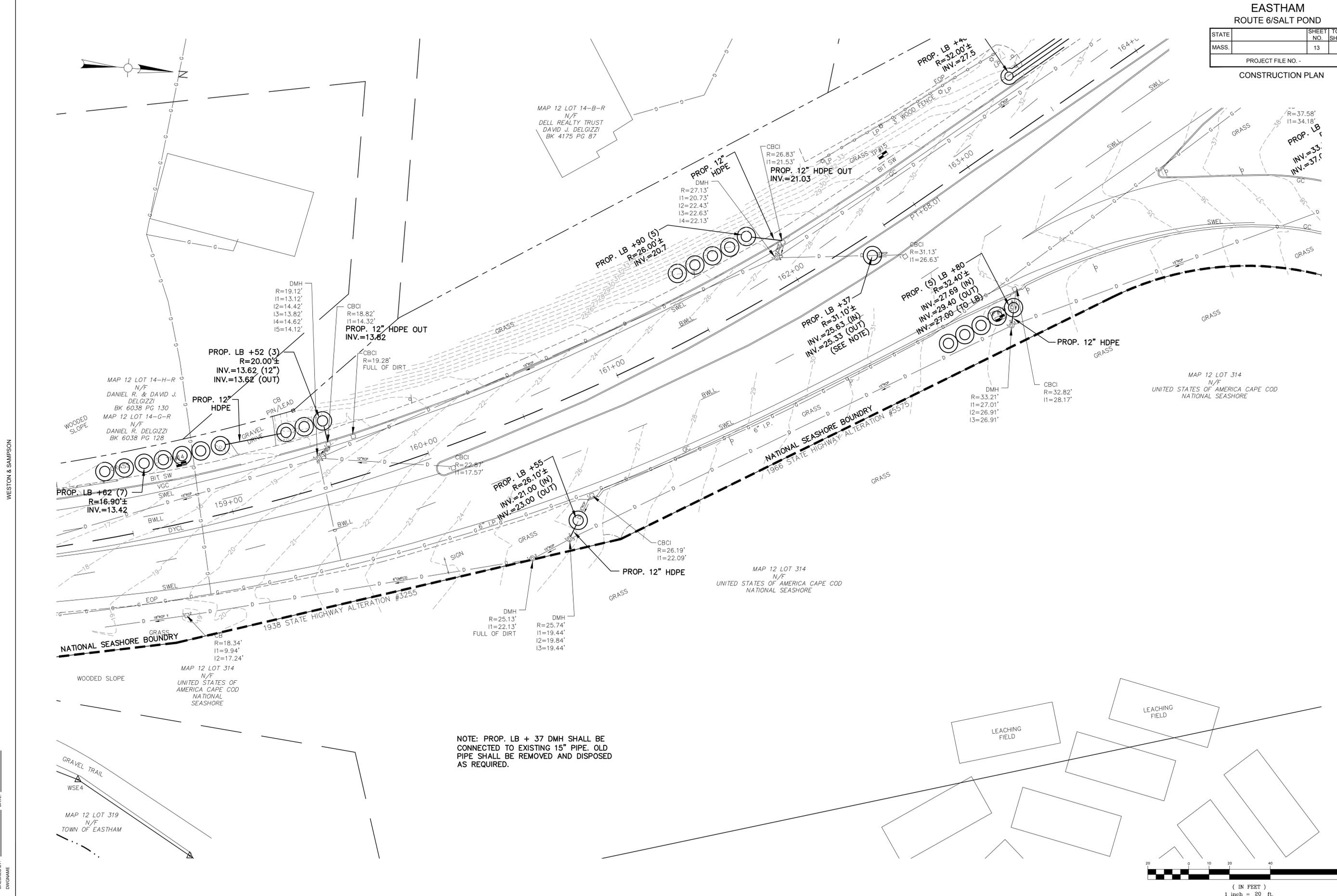
WESTON & SAMPSON

EASTHAM
ROUTE 6/SALT POND

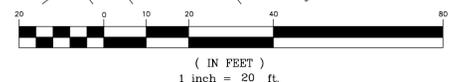
STATE	SHEET NO.	TOTAL SHEETS
MASS.	13	18

PROJECT FILE NO. -

CONSTRUCTION PLAN



NOTE: PROP. LB + 37 DMH SHALL BE CONNECTED TO EXISTING 15" PIPE. OLD PIPE SHALL BE REMOVED AND DISPOSED AS REQUIRED.



IN CHARGE: _____
DRAWN BY: _____
CHECKED BY: _____
DATE: _____
DATE: _____
DWGNAME: _____

WESTON & SAMPSON



MAP 12 LOT 14-H-R
N/F
DANIEL R. & DAVID J.
DELGIZZI
BK 6038 PG 130
MAP 12 LOT 14-G-R
N/F
DANIEL R. DELGIZZI
BK 6038 PG 128

MAP 12 LOT 14-B-R
N/F
DELL REALTY TRUST
DAVID J. DELGIZZI
BK 4175 PG 87

MAP 12 LOT 314
N/F
UNITED STATES OF AMERICA CAPE COD
NATIONAL SEASHORE

MAP 12 LOT 314
N/F
UNITED STATES OF AMERICA CAPE COD
NATIONAL SEASHORE

MAP 12 LOT 314
N/F
UNITED STATES OF AMERICA CAPE COD
NATIONAL SEASHORE

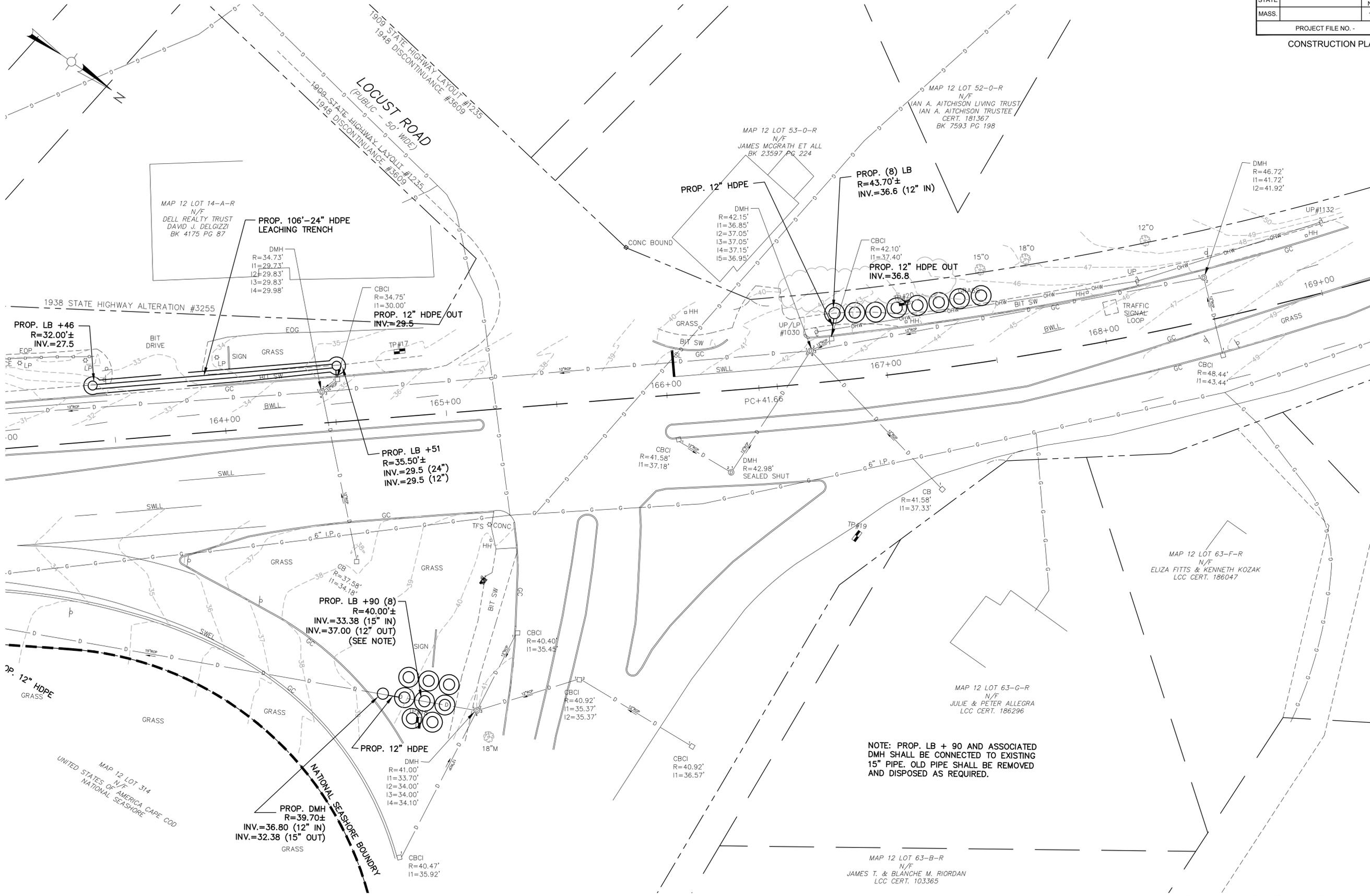
MAP 12 LOT 319
N/F
TOWN OF EASTHAM

EASTHAM
ROUTE 6/SALT POND

STATE	SHEET NO.	TOTAL SHEETS
MASS.	14	18

PROJECT FILE NO. -

CONSTRUCTION PLAN



MAP 12 LOT 14-A-R
 N/F
 DELL REALTY TRUST
 DAVID J. DELGIZZI
 BK 4175 PG 87

PROP. 106'-24" HDPE
 LEACHING TRENCH

DMH
 R=34.73'
 I1=29.23'
 I2=29.83'
 I3=29.83'
 I4=29.98'

CBCI
 R=34.75'
 I1=30.00'
 PROP. 12" HDPE OUT
 INV.=29.5

PROP. LB +46
 R=32.00'±
 INV.=27.5

PROP. LB +51
 R=35.50'±
 INV.=29.5 (24")
 INV.=29.5 (12")

PROP. LB +90 (8)
 R=40.00'±
 INV.=33.38 (15" IN)
 INV.=37.00 (12" OUT)
 (SEE NOTE)

PROP. DMH
 R=39.70±
 INV.=36.80 (12" IN)
 INV.=32.38 (15" OUT)

PROP. 12" HDPE

DMH
 R=42.15'
 I1=36.85'
 I2=37.05'
 I3=37.05'
 I4=37.15'
 I5=36.95'

PROP. (8) LB
 R=43.70'±
 INV.=36.6 (12" IN)

PROP. 12" HDPE OUT
 INV.=36.8

DMH
 R=46.72'
 I1=41.72'
 I2=41.92'

MAP 12 LOT 63-F-R
 N/F
 ELIZA FITTS & KENNETH KOZAK
 LCC CERT. 186047

MAP 12 LOT 63-G-R
 N/F
 JULIE & PETER ALLEGRA
 LCC CERT. 186296

NOTE: PROP. LB + 90 AND ASSOCIATED
 DMH SHALL BE CONNECTED TO EXISTING
 15" PIPE. OLD PIPE SHALL BE REMOVED
 AND DISPOSED AS REQUIRED.

MAP 12 LOT 63-B-R
 N/F
 JAMES T. & BLANCHE M. RIORDAN
 LCC CERT. 103365



(IN FEET)
 1 inch = 20 ft.

WESTON & SAMPSON

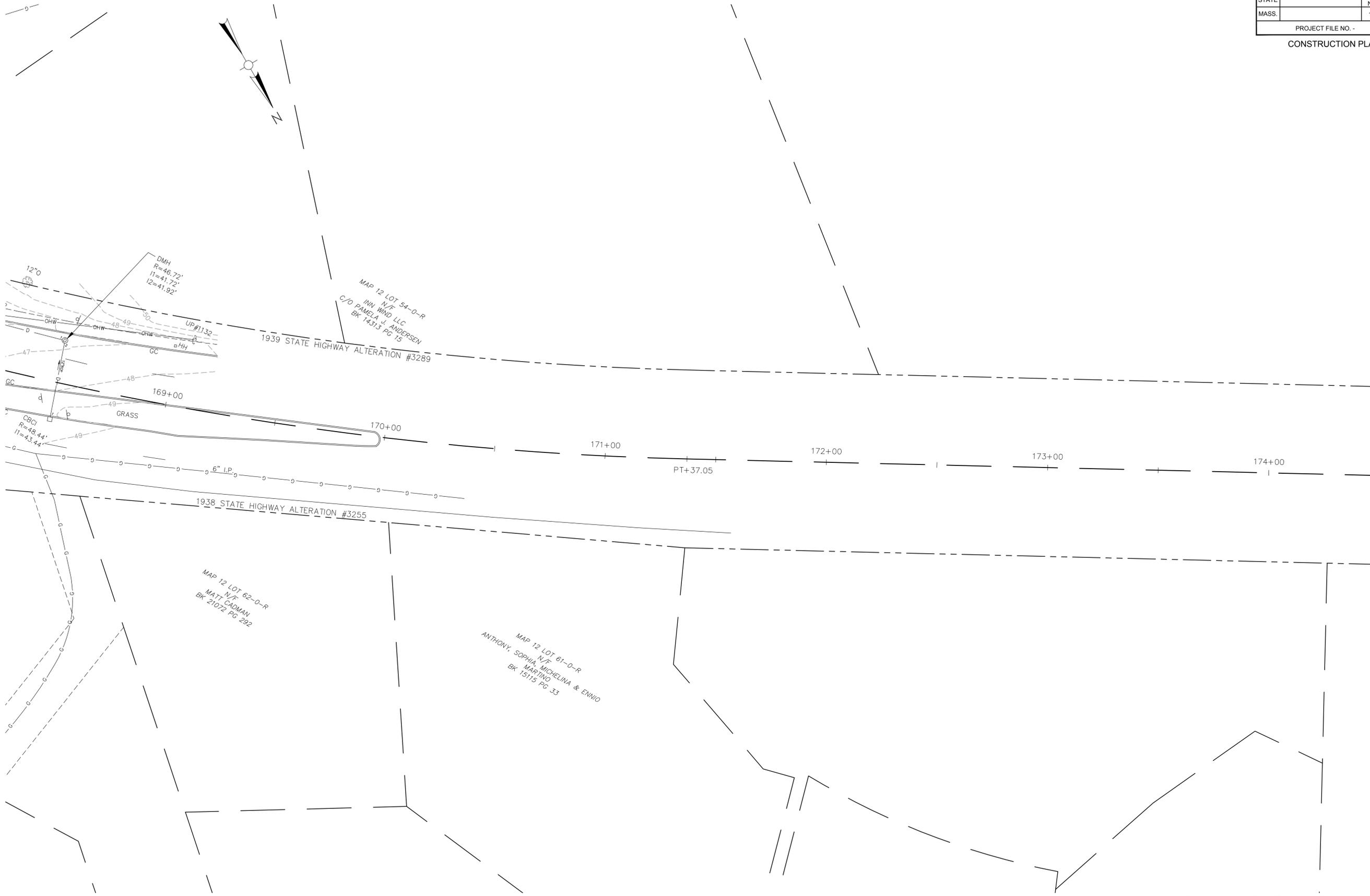
IN CHARGE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 DIVISION: _____

EASTHAM
ROUTE 6/SALT POND

STATE	SHEET NO.	TOTAL SHEETS
MASS.	15	18

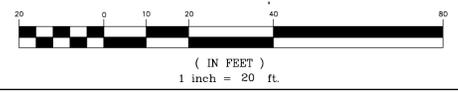
PROJECT FILE NO. -

CONSTRUCTION PLAN



WESTON & SAMPSON

IN CHARGE: _____ DATE: _____
 DRAWN BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 DWGNAME: _____

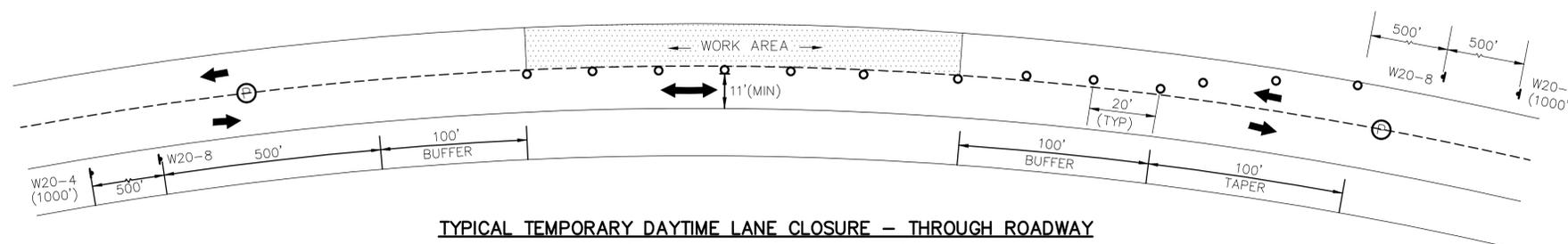


STATE	SHEET NO.	TOTAL SHEETS
MASS.	16	18
PROJECT FILE NO. -		

TRAFFIC MANAGEMENT DETAILS

NOTES:

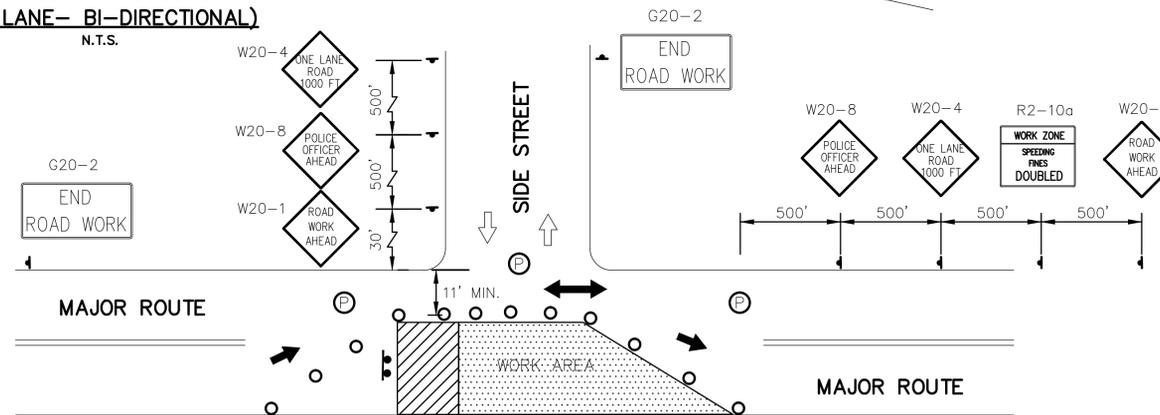
1. PLACEMENT OF ALL CONSTRUCTION SIGNS, DRUMS, BARRICADES, TRAFFIC DEVICES AND THE SHAPE, SIZE & COLOR OF ALL TEMPORARY TRAFFIC SIGNS SHALL CONFORM WITH THE 2003 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), ITS MASSACHUSETTS AMENDMENTS AND ALL ITS REVISIONS.
2. ADVANCE WARNING SIGN PLACEMENT AND TAPER LENGTH SHALL BE ADJUSTED ACCORDING TO STREET CONDITIONS AND DRIVEWAY OPENINGS.
3. ALL DRUMS SHALL BE APPROXIMATELY PLACED AND RELOCATED AS NECESSARY TO MAINTAIN ADEQUATE ABUTTER ACCESS AT ALL TIMES.
4. THE CONTRACTOR SHALL NOTIFY EACH ABUTTER AT LEAST 24 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS, SUCH AS EXISTING PAVEMENT EXCAVATION, TEMPORARY DRIVEWAY PAVEMENT PLACEMENT AND SIMILAR OPERATIONS.
5. NONESSENTIAL TRAFFIC CONTROL DEVICES SHALL BE COVERED OR REMOVED DURING NON-WORKING HOURS.
6. PEDESTRIANS SHALL BE PROVIDED WITH ACCESS AND SAFE PASSAGE THROUGH THE TEMPORARY TRAFFIC CONTROL ZONE AT ALL TIMES.
7. ADVISORY SPEED PLATES (W13-1) AND W5-1 SIGN SHALL BE USED IF APPLICABLE AND AS DIRECTED BY THE ENGINEER.
8. MAINTAIN ONE LANE (MIN. 11' WIDTH) AT ALL TIMES DURING CONSTRUCTION.



TYPICAL TEMPORARY DAYTIME LANE CLOSURE - THROUGH ROADWAY
(ONE LANE- BI-DIRECTIONAL)

LEGEND

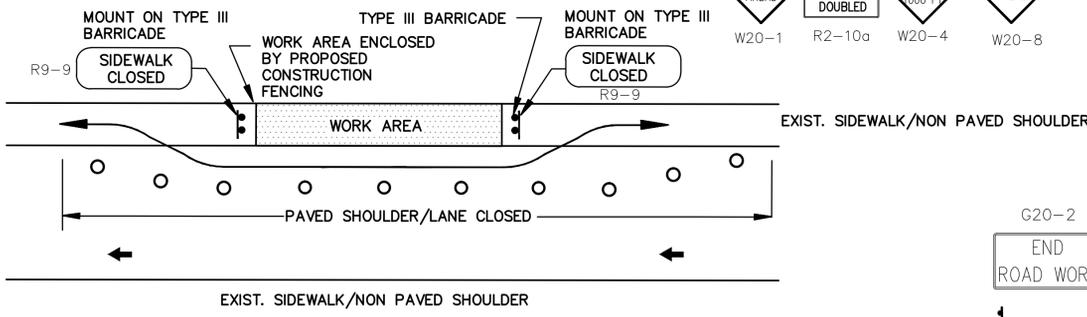
□	REFLECTORIZED CHANNELIZING DEVICE	↑	CONSTRUCTION SIGN
○	REFLECTORIZED DRUM WITH LIGHT	▨	WORK AREA
←	TRAFFIC FLOW DURING CONSTRUCTION	N.T.S.	NOT TO SCALE
↔	NORMAL TRAFFIC FLOW	→	ARROW BOARD
⊙	POLICE DETAIL OFFICER OR ROADWAY FLAGGER	▬	TEMPORARY PRECAST PORTABLE CONCRETE BARRIER W/WARNING LIGHTS
⊙	PORTABLE BREAKAWAY BARRICADE TYPE III		
⊙	TEMPORARY IMPACT ATTENUATOR		



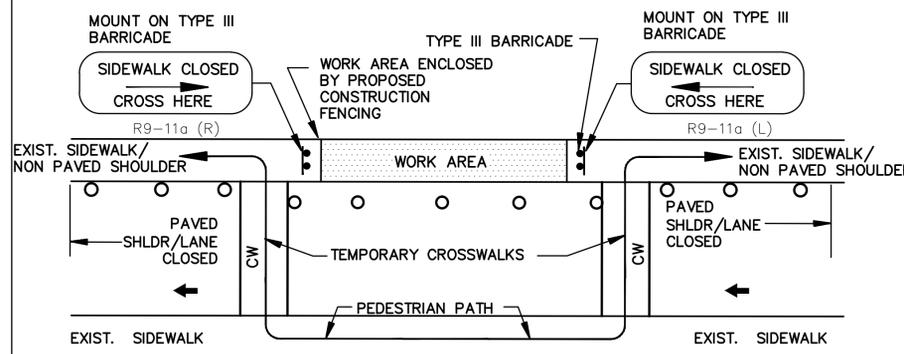
"T" INTERSECTION LANE CLOSURE-TYPE I

TEMPORARY TRAFFIC SIGN SUMMARY

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	AREA (SF)	NO. OF SIGNS REQUIRED	TOTAL AREA (SF)
	WIDTH	HEIGHT				
G20-2	36"	18"	END ROAD WORK	4.5		
R2-10a	48"	36"	WORK ZONE SPEEDING FINES DOUBLED	12		
R9-9	48"	24"	SIDEWALK CLOSED	8		
R9-11a (L and R)	48"	24"	SIDEWALK CLOSED CROSS HERE	8		
W5-1	48"	48"	ROAD NARROWS	16		
W13-1	18"	18"	M.P.H.	2.25		
W20-1	48"	48"	ROAD WORK AHEAD	16		
W20-4	48"	48"	ONE LANE ROAD 1000 FT	16		
W20-8/W20-7A	48"	48"	POLICE OFFICER AHEAD	16		



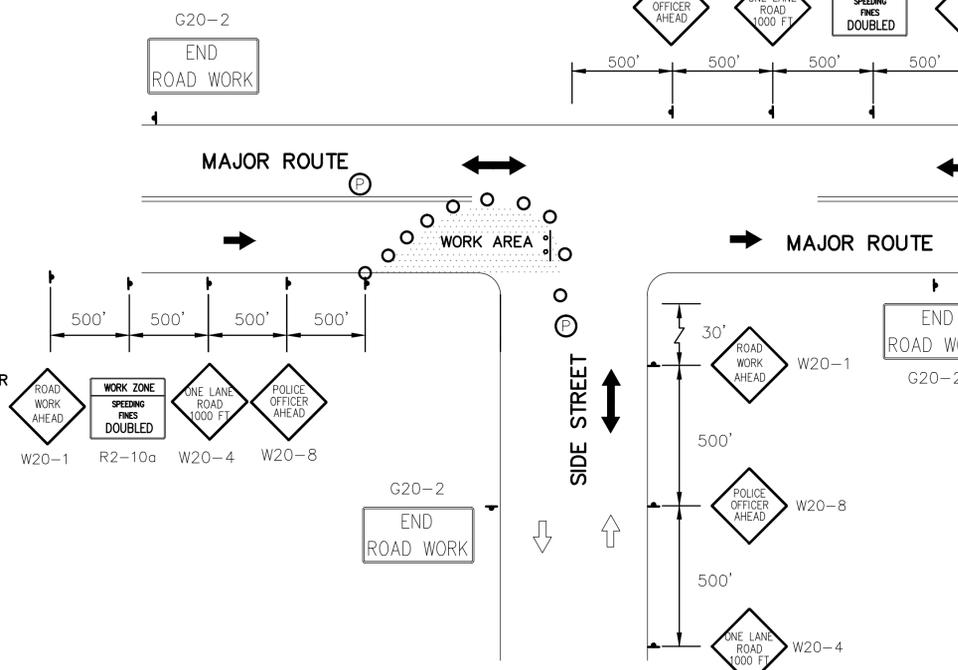
TYPE I



TYPE II

TO BE USED IN CONJUNCTION WITH THE PROPOSED LANE CLOSURE DETAILS AND DURING CONSTRUCTION STAGING AND AS DIRECTED BY THE ENGINEER.

PEDESTRIAN BYPASS/NON PAVED SHOULDER CLOSED
N.T.S.



"T" INTERSECTION LANE CLOSURE-TYPE II

N.T.S.

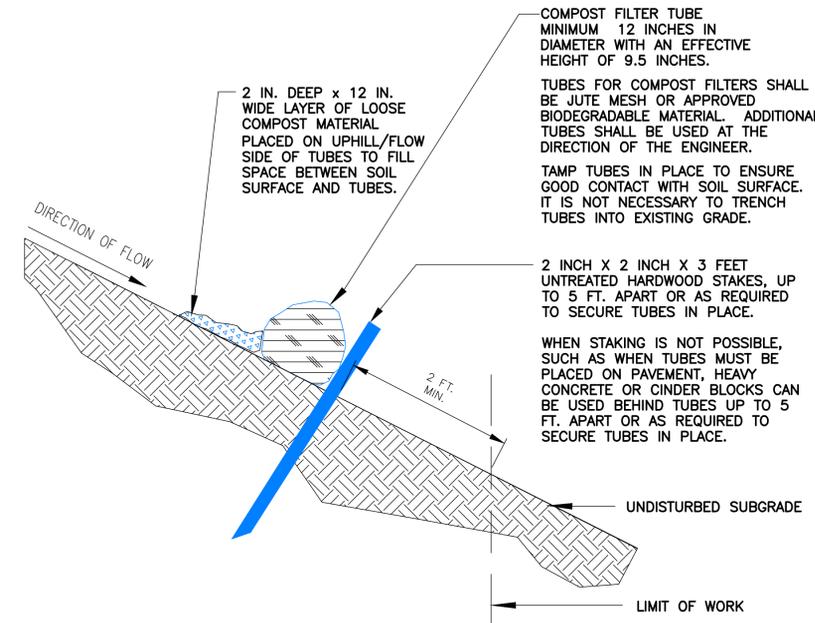
WESTON & SAMPSON

IN CHARGE: _____ DATE: _____
DRAWN BY: _____ DATE: _____
CHECKED BY: _____
DWGNAME: _____

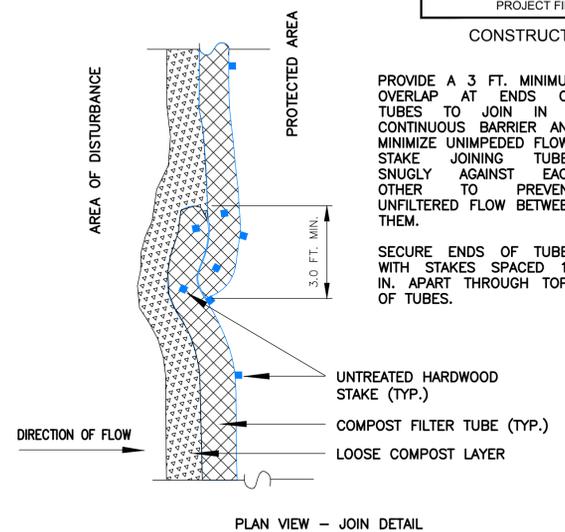
EROSION CONTROL NOTES:

IT IS THE INTENT OF THE CONTRACT PLANS AND DETAILS TO CONTROL EROSION AND SEDIMENTATION IN ALL PORTIONS OF THE SITE. THE CONTRACTOR IS ALERTED THAT CONTROL OF EROSION AND SEDIMENTATION IS CONSIDERED TO BE ESPECIALLY IMPORTANT IN AND AROUND THE AREAS SHOWN ON THE PLANS AND DELINEATED AS WETLANDS AND WATERCOURSES. THE CONTRACTOR IS TO IMPLEMENT THE EROSION AND SEDIMENTATION CONTROLS INDICATED ON THE PLANS IN ACCORDANCE WITH THE FOLLOWING NOTES, BUT IS ALERTED TO THE FACT THAT ADDITIONAL MEASURES MAY BE REQUIRED TO COMPLY WITH THIS INTENT, AS FIELD CONDITIONS MAY WARRANT. SHOULD SUCH MEASURES BE DETERMINED TO BE REQUIRED OR ORDERED BY THE ENGINEER, THEY ARE TO BE IMPLEMENTED IMMEDIATELY.

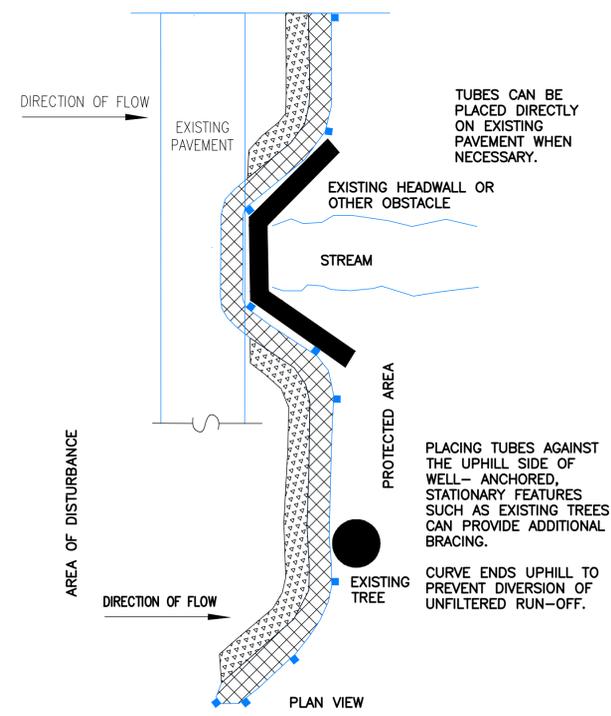
- ALL WORK SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE PROVISIONS OF ALL APPLICABLE PERMITS AND APPROVALS ISSUED BY LOCAL AND STATE REGULATION FOR ACTIVITIES INVOLVING WETLANDS INCLUDING THE TOWN OF EASTHAM CONSERVATION COMMISSION ORDER OF CONDITIONS, WATERCOURSES AND/OR EROSION CONTROLS, AND AS DIRECTED BY THE ENGINEER. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MASS DEP'S EROSION AND SEDIMENTATION CONTROL GUIDELINES, AUGUST, 1983 AND THE U.S.D.A. SCS'S EROSION AND SEDIMENT CONTROL IN SITE DEVELOPMENT, MASSACHUSETTS CONSERVATION GUIDE, SEPTEMBER 1983.
- TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITEWORK, SHALL BE MAINTAINED DURING CONSTRUCTION, AND SHALL REMAIN IN PLACE UNTIL ALL SITEWORK IS COMPLETED AND GROUND COVER IS ESTABLISHED (AT LEAST 75% UNIFORM COVERAGE BY NEW SEEDLINGS).
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL INSPECT THE EROSION CONTROLS DAILY AND CLEAN ACCUMULATED MATERIALS FROM BEHIND THEM, AS NECESSARY. ALL EROSION AND SEDIMENTATION CONTROL MEASURES FOUND TO BE IN NEED OF REPAIR OR REPLACEMENT SHALL BE IMMEDIATELY CORRECTED, SO AS TO MAINTAIN THE INTEGRITY OF THE EROSION AND SEDIMENTATION CONTROL SYSTEM.
- SEDIMENT REMOVED FROM CONTROL STRUCTURES SHALL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THESE PLANS. NO EQUIPMENT OR MATERIAL OF ANY KIND SHALL BE STOCKPILED OR DEPOSITED IN ANY REGULATED AREA UNLESS SPECIFICALLY SHOWN ON THE CONTRACT PLANS OR AUTHORIZED BY PROJECT PERMITS/APPROVALS.
- STOCKPILED SOIL SHALL BE SURROUNDED WITH STAKED MULCH FILTER TUBES TO PREVENT AND CONTROL SILTATION AND EROSION. STOCKPILES THAT WILL REMAIN EXPOSED FOR MORE THAN 30 DAYS SHALL BE STABILIZED WITH MULCH OR SEEDED FOR TEMPORARY VEGETATIVE COVER.
- ALL DISTURBED AREAS THAT WILL REMAIN EXPOSED OR UNDISTURBED FOR A PERIOD OF FOURTEEN (14) DAYS OR LONGER, SHALL BE STABILIZED WITH MULCH OR SEEDED FOR TEMPORARY VEGETATIVE COVER.
- MULCH FILTER TUBE BARRIERS, OR EQUIVALENT BARRIER APPROVED BY THE ENGINEER, SHALL BE PLACED AROUND CATCH BASIN INLETS DURING CONSTRUCTION AND SHALL BE MAINTAINED UNTIL CONTRIBUTING AREAS ARE PAVED.
- THE CONTRACTOR SHALL INSPECT ALL PORTIONS OF THE SITE IN ANTICIPATION OF RAINFALL EVENTS TO DETERMINE IF SITE GRADING IS SUFFICIENT TO PREVENT EROSION OF SLOPES OR WATERCOURSES WITHIN THE PROJECT LIMITS. SHOULD ADDITIONAL MEASURES BE REQUIRED, THEY ARE TO BE IMPLEMENTED IMMEDIATELY. IN NO CASE SHALL THE INSTALLATION OF ADDITIONAL MEASURES NECESSARY TO PROTECT SLOPES WITHIN THE PROJECT LIMITS BE DELAYED BEYOND THE COMMENCEMENT OF PRECIPITATION.
- ALL DISTURBED EARTH SLOPES SHALL BE STABILIZED WITH PERMANENT VEGETATIVE COVER AS SOON AS POSSIBLE. DISTURBED AREAS THAT ARE NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL RECEIVE A PERMANENT OR TEMPORARY VEGETATIVE COVER AS SOON AS FINAL CONTOURS ARE ESTABLISHED. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A VEGETATIVE COVER, DISTURBED AREAS SHALL BE THOROUGHLY MULCHED. MULCHED AREAS SHALL BE SEEDDED AS SOON AS WEATHER CONDITIONS ALLOW.
- A STOCKPILE OF ADDITIONAL MULCH FILTER TUBES AND CRUSHED STONE SHALL BE KEPT ON SITE THROUGHOUT THE CONSTRUCTION WORK. THIS MATERIAL SHALL BE INSTALLED AT THE DIRECTION OF THE ENGINEER TO MITIGATE ANY EROSION/SEDIMENTATION CONDITIONS WHICH MAY ARISE.
- FOR DESCRIPTION, MATERIALS, AND CONSTRUCTION METHOD, SEE SPECIAL PROVISIONS. FOR LOCATION OF PROPOSED EROSION CONTROL MEASURES, SEE PLANS. AREAS DISTURBED BY EROSION BARRIERS SHALL BE LOAMED AND SEEDDED, OR OTHERWISE RESTORED TO ORIGINAL CONDITION.
- THE CONTRACTOR SHALL REMOVE ALL SEDIMENTATION CONTROL SYSTEMS, REMOVE ALL ACCUMULATED SEDIMENTS, AND SEED THE DISTURBED AREAS WHEN THE CONTROL SYSTEMS ARE NO LONGER REQUIRED. THE CONTRACTOR SHALL REQUEST AND RECEIVE PERMISSION FROM THE ENGINEER PRIOR TO REMOVING ANY CONTROL SYSTEM.
- THE CONTRACTOR SHALL FILE A STORMWATER POLLUTION PREVENTION PLAN, NOTIFY THE EPA, DEP PER ITEM #756. OF THE SPECIAL PROVISIONS.



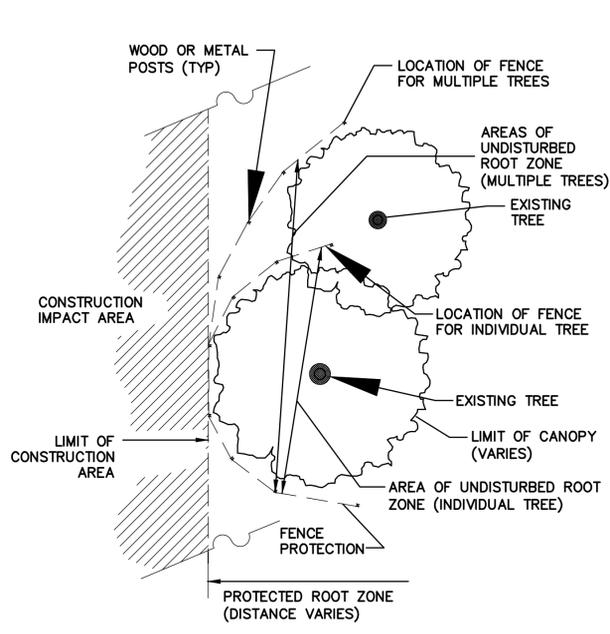
SINGLE MULCH FILTER TUBE DETAIL
N.T.S.



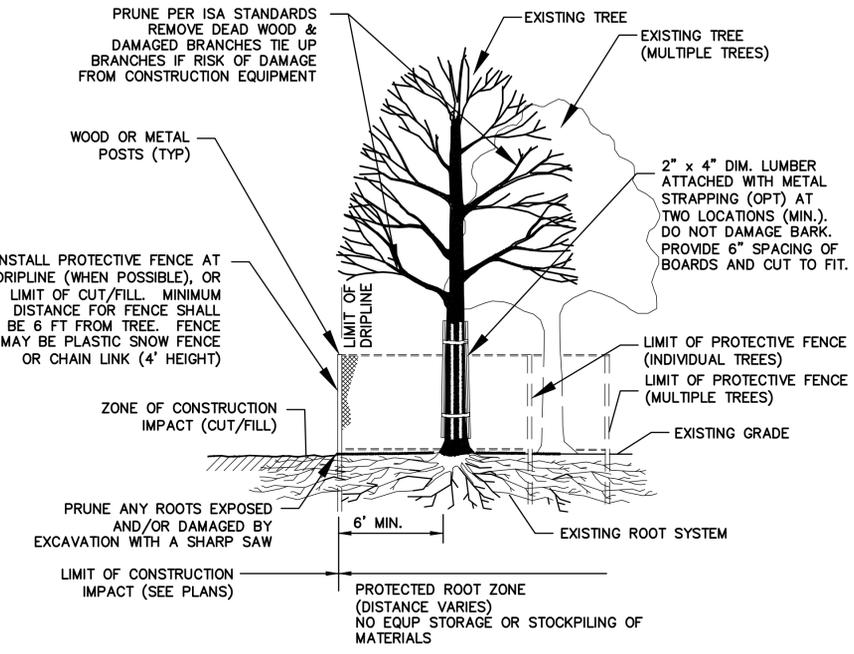
PLAN VIEW - JOIN DETAIL



PLAN VIEW



PLAN VIEW



SIDE VIEW

EXISTING TREE PROTECTION
N.T.S.

EASTHAM
ROUTE 6/SALT POND

STATE	SHEET NO.	TOTAL SHEETS
MASS.	17	18

PROJECT FILE NO. -

CONSTRUCTION DETAILS

PROVIDE A 3 FT. MINIMUM OVERLAP AT ENDS OF TUBES TO JOIN IN A CONTINUOUS BARRIER AND MINIMIZE UNIMPEDED FLOW. STAKE JOINING TUBES SNUGLY AGAINST EACH OTHER TO PREVENT UNFILTERED FLOW BETWEEN THEM.

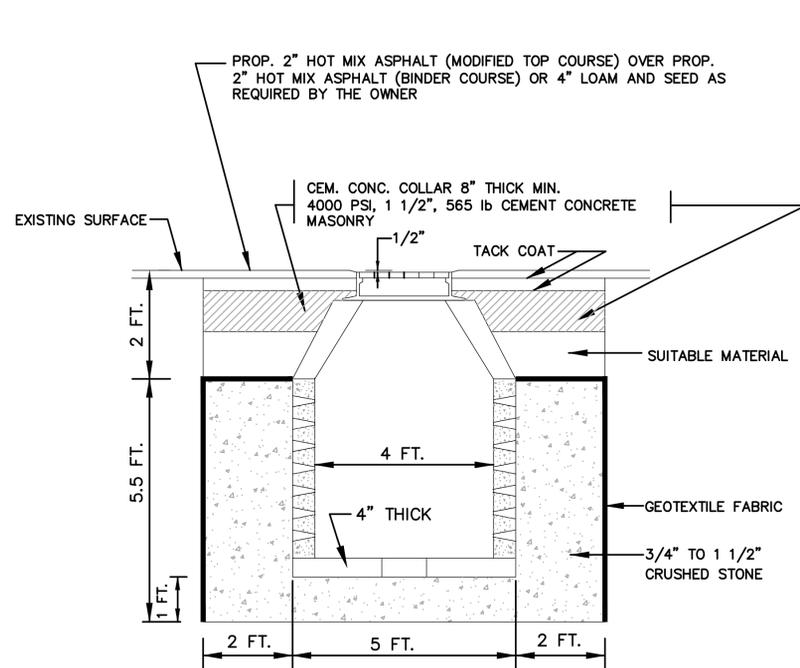
SECURE ENDS OF TUBES WITH STAKES SPACED 18 IN. APART THROUGH TOPS OF TUBES.

- GENERAL NOTES:**
- PROVIDE A MINIMUM TUBE DIAMETER OF 12 INCHES FOR SLOPES UP TO 50 FEET IN LENGTH WITH A SLOPE RATIO OF 3H:1V OR STEEPER. LONGER SLOPES OF 3H:1V MAY REQUIRE LARGER TUBE DIAMETER OR ADDITIONAL COURSING OF FILTER TUBES TO CREATE A FILTER BERM. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR SITUATIONS WITH LONGER OR STEEPER SLOPES.
 - INSTALL TUBES ALONG CONTOURS AND PERPENDICULAR TO SHEET OR CONCENTRATED FLOW.
 - DO NOT INSTALL IN PERENNIAL, EPHEMERAL OR INTERMITTENT STREAMS.
 - CONFIGURE TUBES AROUND EXISTING SITE FEATURES TO MINIMIZE SITE DISTURBANCE AND MAXIMIZE CAPTURE AREA OF STORMWATER RUN-OFF.

IN CHARGE: _____ DATE: _____
 DRAWN BY: _____ DATE: _____
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 DIVISION: _____

STATE	SHEET NO.	TOTAL SHEETS
MASS.	18	18

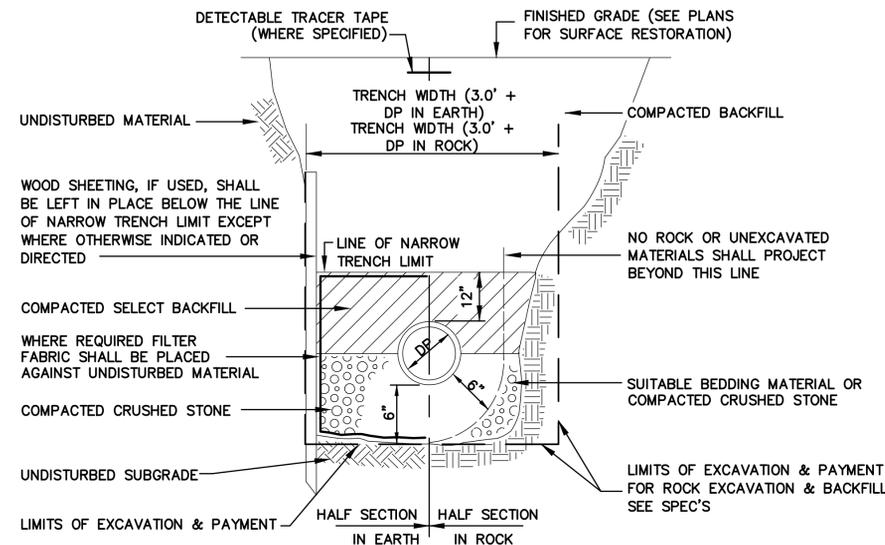
PROJECT FILE NO. -
CONSTRUCTION DETAILS



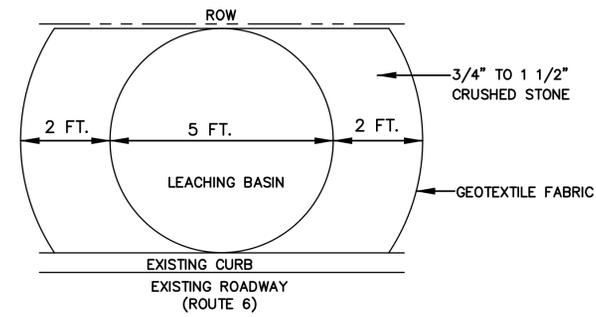
SECTION VIEW

- NOTES:
- 1.) CEMENT CONCRETE FOR LEACHING BASIN SHALL BE 4000 PSI, 1 1/2", 565 lb.
 - 2.) IF CONCRETE BLOCK, WALL THICKNESS = 6"
 - 3.) IF REINFORCED/PRECAST, WALL THICKNESS = 5" MIN.

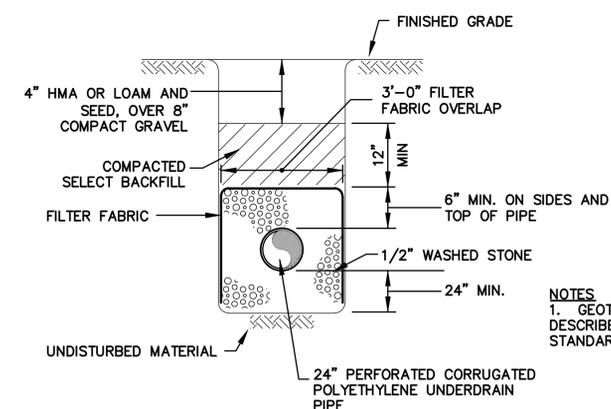
LEACHING BASIN DETAIL
N.T.S.



TRENCH DETAIL
N.T.S.

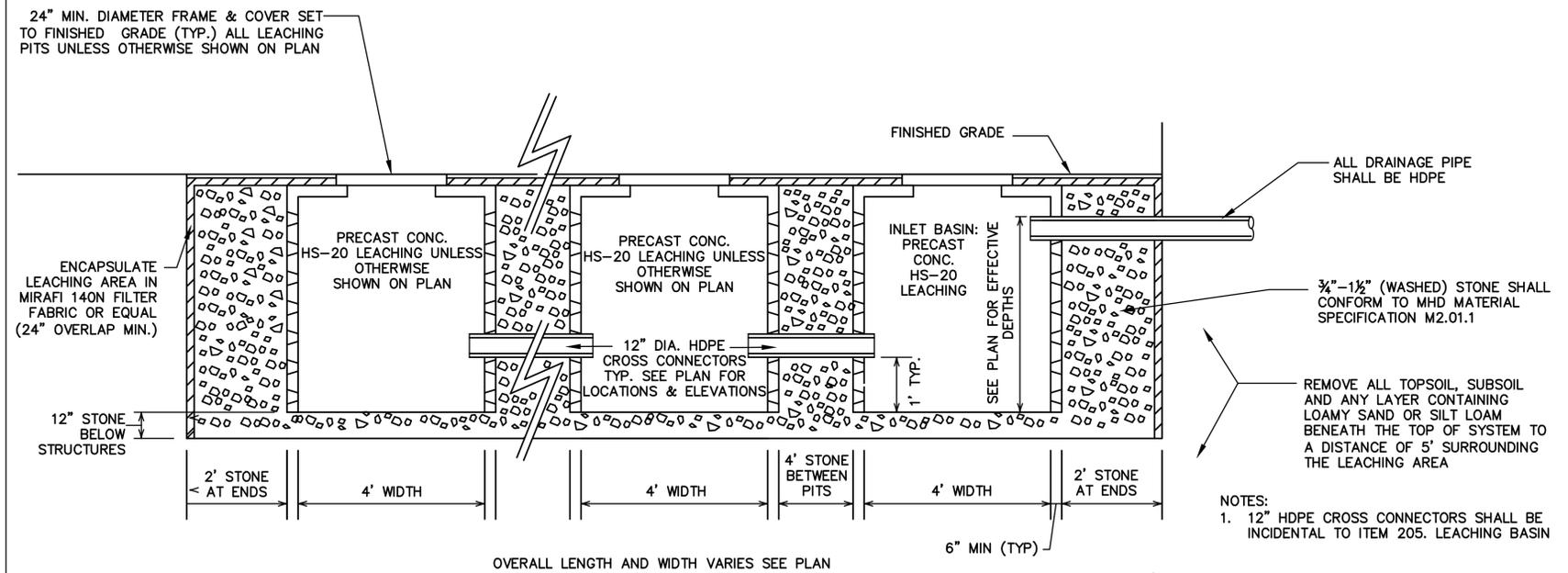


PLAN VIEW



LEACHING TRENCH DETAIL
N.T.S.

- NOTES:
1. GEOTEXTILE FABRIC SHALL BE AS DESCRIBED IN SECTION M9.50 OF THE MASSDOT STANDARD SPECIFICATIONS.



MULTIPLE PRECAST LEACHING STRUCTURE
N.T.S.

- NOTES:
1. 12" HDPE CROSS CONNECTORS SHALL BE INCIDENTAL TO ITEM 205. LEACHING BASIN

IN CHARGE: _____ DATE: _____
 DRAWN BY: _____ DATE: _____
 CHECKED BY: _____
 DIVISION: _____

WESTON & SAMPSON