

MASSACHUSETTS DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION

FAIRHAVEN
SCONTICUT NECK ROAD

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRSS(001)X	01	48
PROJECT FILE NO.		609518	

TITLE SHEET & INDEX

PLAN AND PROFILE OF LEROY WOOD ELEMENTARY SCHOOL IMPROVEMENTS (SRTS)

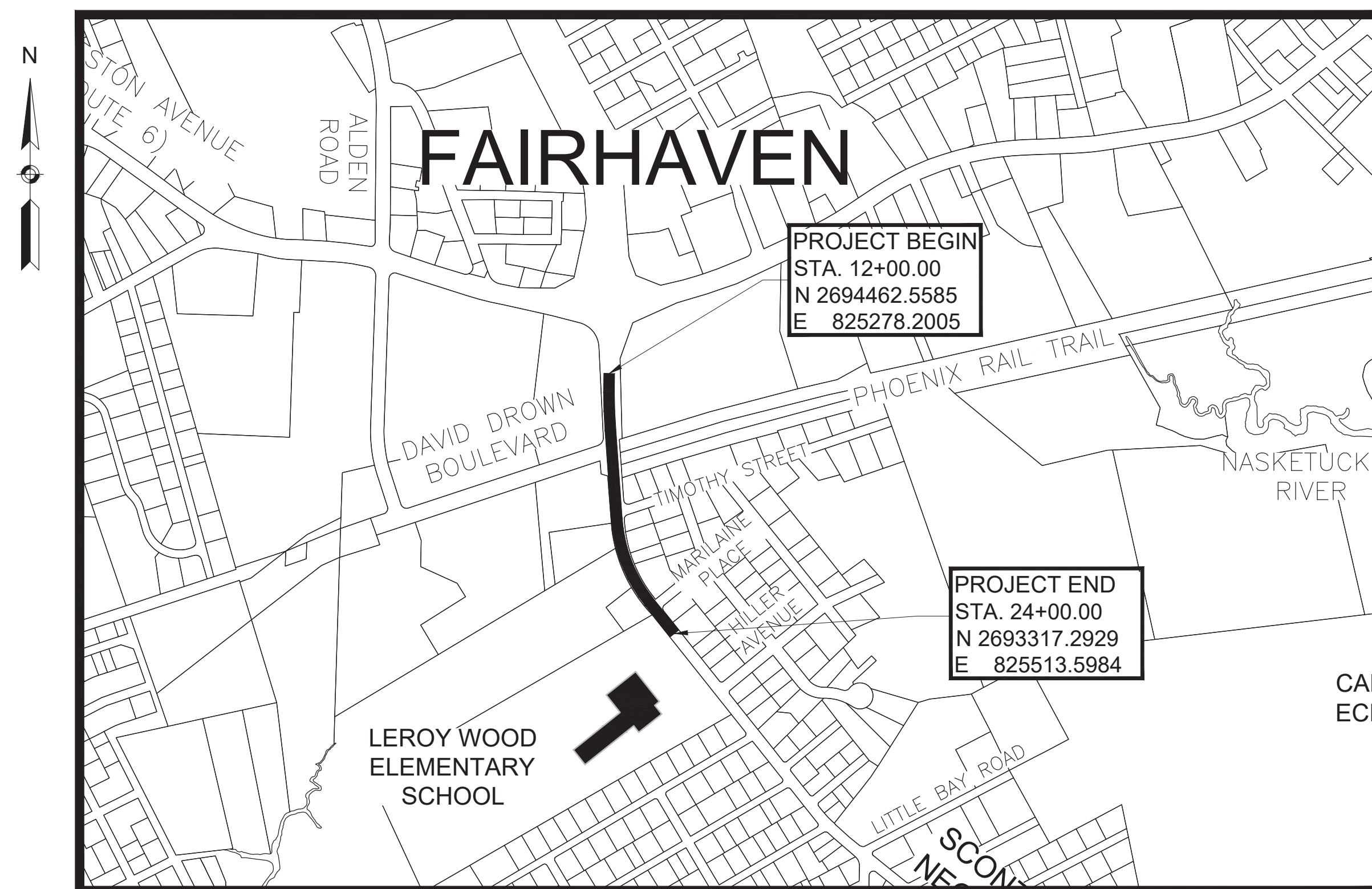
IN THE TOWN OF
FAIRHAVEN
BRISTOL COUNTY

FEDERAL AID PROJECT NO. TAP-SRS5(001)X

THESE PLANS ARE SUPPLEMENTED BY THE OCTOBER 2017 CONSTRUCTION STANDARD DETAILS, THE 2015 OVERHEAD SIGNAL STRUCTURE AND FOUNDATION STANDARD DRAWINGS, MASSDOT TRAFFIC MANAGEMENT PLANS AND DETAIL DRAWINGS, THE 1990 STANDARD DRAWINGS FOR SIGNS AND SUPPORTS, THE 1968 STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, AND THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK.

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35-37	PEDESTRIAN CURB RAMP & DRIVEWAY DETAILS
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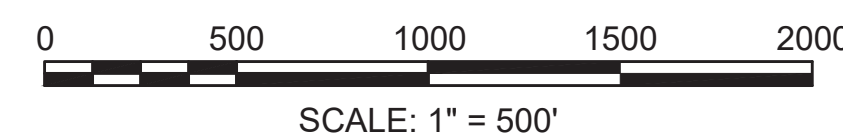


PROJECT BEGIN
STA. 12+00.00
N 2694462.5585
E 825278.2005

PROJECT END
STA. 24+00.00
N 2693317.2929
E 825513.5984

DESIGN DESIGNATION (SCONTICUT NECK ROAD)

DESIGN SPEED	30 MPH
ADT (2019)	3,929
ADT (2039)	4,794
K	10%
D	54%
T (PEAK HOUR)	7.9%
T (AVERAGE DAY)	8.4%
DHV	473
DDHV	255
FUNCTIONAL CLASSIFICATION	URBAN MINOR ARTERIAL



LENGTH OF PROJECT = 1,200.00 FEET = .227 MILES



Keith V. Lincoln Digitally signed by Keith V. Lincoln
Date: 2024.03.21 16:11:38 -0400



R.K. EXECUTIVE CENTRE
201 BOSTON POST ROAD WEST
SUITE 101
MARLBOROUGH, MA 01752

DATE	DESCRIPTION	REV #



APPROVED

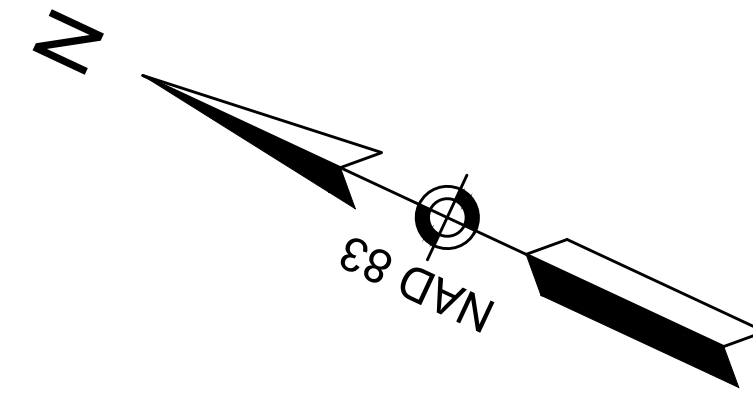
Carrie Lavallee, Digitally signed by Carrie Lavallee, P.E.
Date: 2024.03.21 20:34:03 -0400

CHIEF ENGINEER DATE

**FAIRHAVEN
SCONTICUT NECK ROAD**

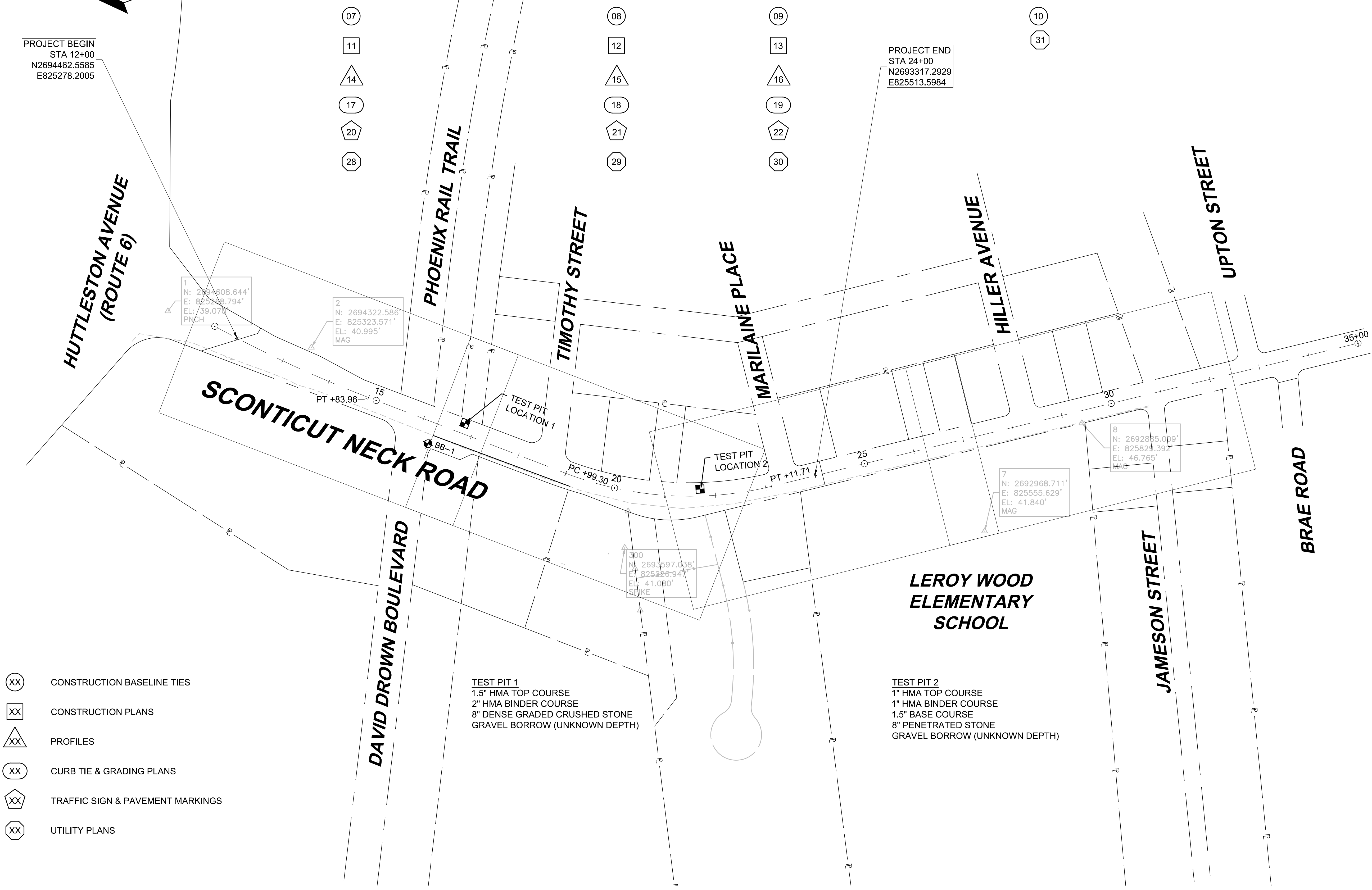
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	03	48
PROJECT FILE NO.		609518	

KEY PLAN



PROJECT BEGIN
STA 12+00
N2694462.5585
E825278.2005

PROJECT END
STA 24+00
N2693317.2929
E825513.5984



1
N: 2694608.644'
E: 825278.794'
EL: 39.07'
PNCH

2
N: 2694322.586
E: 825323.571'
EL: 40.995'
MAG

7
N: 2692968.711'
E: 825555.629'
EL: 41.840'
MAG

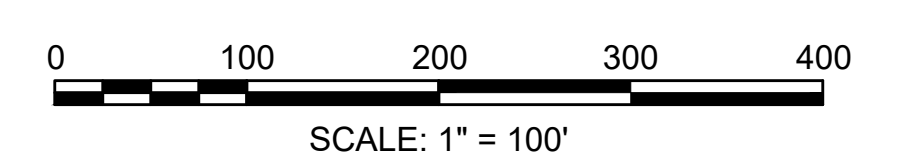
8
N: 2692885.009'
E: 825824.392'
EL: 46.765'
MAG

300
N: 2693597.038'
E: 825226.944'
EL: 41.050'
SPIKE

- (XX) CONSTRUCTION BASELINE TIES
- (XX) CONSTRUCTION PLANS
- (XX) PROFILES
- (XX) CURB TIE & GRADING PLANS
- (XX) TRAFFIC SIGN & PAVEMENT MARKINGS
- (XX) UTILITY PLANS

TEST PIT 1
1.5" HMA TOP COURSE
2" HMA BINDER COURSE
8" DENSE GRADED CRUSHED STONE
GRAVEL BORROW (UNKNOWN DEPTH)

TEST PIT 2
1" HMA TOP COURSE
1" HMA BINDER COURSE
1.5" BASE COURSE
8" PENETRATED STONE
GRAVEL BORROW (UNKNOWN DEPTH)



**FAIRHAVEN
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KEY PLAN - BORING LOG

(603) 437-1610		New England Boring Contractors			Fax: (603) 437-0034		
		P.O. Box 165					
		Derry, NH 03038					
		E-Mail: nebc@neboring.com					
Boring # B-1		Project: Mast Arm Boring			Project # 51831		
Project Address: David Drown Blvd. and Sconticut Neck		City: Fairhaven		State: MA Zip: 02719			
Date Start: 09/14/2023		Date End: 09/14/2023		Location: See Plan			
Casing Type & size: HW 4"ID		Sampler: SS 1 3/8		Core Barrel: NQ			
Hammer wt.: 300lb.		Hammer wt.: 140lb.		Size: 1 7/8 dia			
Hammer fall: 30".		Hammer fall: 30".					
GROUND WATER OBSERVATION							
Date: 9/14/23	Depth: 15'		Casing: 14"6"		Stabilization Period 15 min.		
DP	S#	DEPTH	PEN	REC	BLOWS/6"	S/C	SAMPLE DESCRIPTION
-	S-1	2' - 4'	24"	12"	1-3-10-12		Dry, medium dense, brown, fine to coarse SAND and fine to Medium GRAVEL, trace inorganic Silt.
-	S-2	4' - 6'	24"	16"	10-17-28-12		Dry, dense, brown, fine to coarse SAND and fine to medium GRAVEL, trace inorganic Silt.
5'0"							
-	S-3	9' - 10'4"	16"	12"	17-27-50/4"		Dry, very dense, light brown / gray, fine to coarse SAND and Fine to medium GRAVEL, trace inorganic Silt.
10'0"							
-	S-4	14' - 14'8"	8"	1"	7-50/2"		Moist, very dense, gray, fine GRAVEL, trace fine to coarse Sand, (possible weathered bedrock).
15'0"					MIN/FT		
-	C-1	15' - 20'	60"	48"	3-3-6-3-3		BEDROCK
20'0"							B.O.E. at 20'
-							
-							
25'0"							
-							
-							
30'0"							
-							
Driller: Ken Smith		Helpers: Rick Lahrette		Inspector:			
Remarks: Versa Drill GT8 Truck mounted Drill with 140# Auto Hammer and Cat Head.							
S/#: Sample		PEN: Penetration		REC: Recovery		S/C: Strata Change	

BORING NOTES:

- LOCATIONS OF BORING SHOWN ON THE PLAN THUS: BB-1
- BORINGS ARE TAKEN FOR PURPOSE OF DESIGN AND SHOWN CONDITIONS AT BORING POINTS ONLY, BUT DO NOT NECESSARILY SHOW THE NATURE OF THE MATERIALS TO BE ENCOUNTERED DURING CONSTRUCTION.
- WATER LEVELS SHOWN ON THE BORING LOGS WERE OBSERVED AT THE TIME OF TAKING BORINGS AND DO NOT NECESSARILY SHOWN THE TRUE GROUND WATER LEVEL.
- FIGURES IN COLUMNS INDICATE NUMBER OF BLOWS REQUIRED TO DRIVE A 1" I.D. SPLIT SPOON SAMPLER 6" USING A 140 POUND WEIGHT FALLING 30".
- BORING SAMPLES ARE STORED AT A STORAGE FACILITY LOCATED ON ROUTE 114 (219 WINTHROP AVE.) IN LAWRENCE, MA. THE CONTRACTOR MAY EXAMINE THE SOIL AND ROCK SAMPLES BY CONTACTING THE MASSDOT GEOTECHNICAL SECTION AT 10 PARK PLAZA, BOSTON, MA.
- ALL BORINGS WERE MADE IN 09/2023.
- BORINGS WERE MADE BY NEW ENGLAND BORING CONTRACTORS, OF DERRY, NH.
- THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988 IS USED THROUGHOUT.



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**TYPICAL SECTIONS
SHEET 01 OF 02**

PAVEMENT NOTES

PROPOSED PAVEMENT MILLING & PAVEMENT OVERLAY

SURFACE: 1.75" SUPERPAVE SURFACE COURSE 12.5 POLYMER (SSC-12.5-P) OVER

ASPHALT EMULSION FOR TACK COAT (RS-1h) OVER

MILLING: 1.75" PAVEMENT FINE MILLING

PROPOSED FULL DEPTH PAVEMENT LESS THAN 4 FEET WIDE

SURFACE: 1.75" SUPERPAVE SURFACE COURSE 12.5 POLYMER (SSC-12.5-P) OVER
ASPHALT EMULSION FOR TACK COAT (RS-1h) OVER

INTERMEDIATE: 2.25" SUPERPAVE INTERMEDIATE COURSE 19.0 (SIC - 19.0) OVER
ASPHALT EMULSION FOR TACK COAT (RS-1h) OVER

BASE: 6" HES CEMENT CONCRETE BASE COURSE OVER
SUBBASE: 8" GRAVEL BORROW, TYPE b

PROPOSED FULL DEPTH PAVEMENT - WIDENING 4 FEET OR MORE

SURFACE: 1.75" SUPERPAVE SURFACE COURSE 12.5 POLYMER (SSC - 12.5P) OVER
ASPHALT EMULSION FOR TACK COAT (RS-1h) OVER

INTERMEDIATE: 2.25" SUPERPAVE INTERMEDIATE COURSE 19.0 (SIC - 19.0) OVER
ASPHALT EMULSION FOR TACK COAT (RS-1h) OVER

BASE: 4" SUPERPAVE BASE COURSE 37.5 (SBC - 37.5) OVER

SUBBASE: 4" DENSE GRADED CRUSHED STONE OVER
8" GRAVEL, TYPE b

PROPOSED CEMENT CONCRETE SIDEWALK / PEDESTRIAN CURB RAMP

SURFACE: 4" CEMENT CONCRETE WALK SURFACE 4000 PSI, 3/4", 610 LB OVER

FOUNDATION: 8" GRAVEL BORROW, TYPE b

PROPOSED HOT MIX ASPHALT SIDEWALK AND SHARED USE PATH

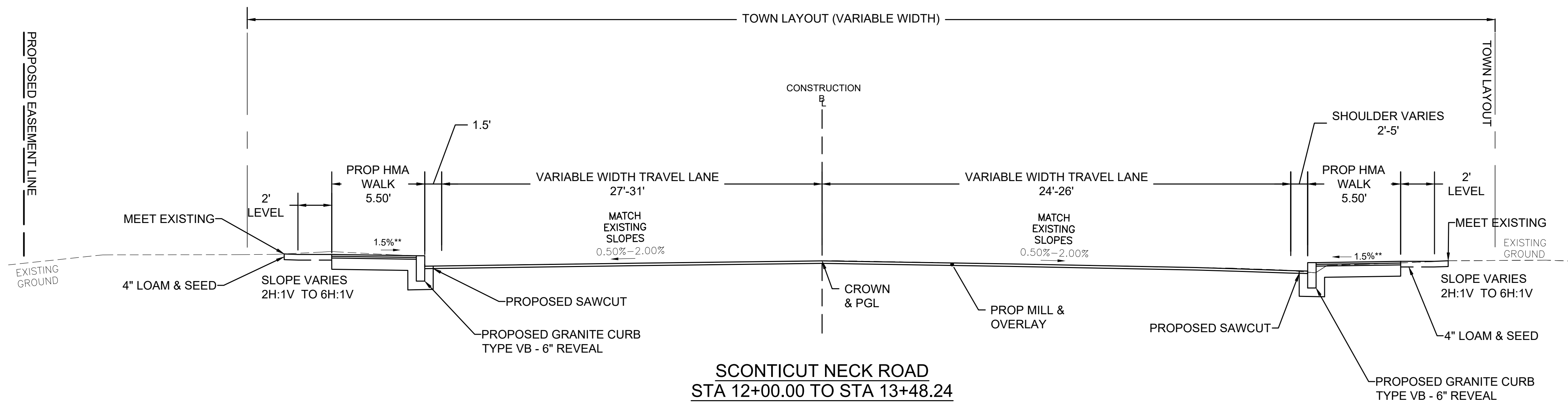
SURFACE: 1.25" SUPERPAVE SURFACE COURSE 9.5 (SSC - 9.5) OVER
1.75" SUPERPAVE SURFACE COURSE 12.5 (SSC - 12.5)

FOUNDATION: 8" GRAVEL BORROW, TYPE b

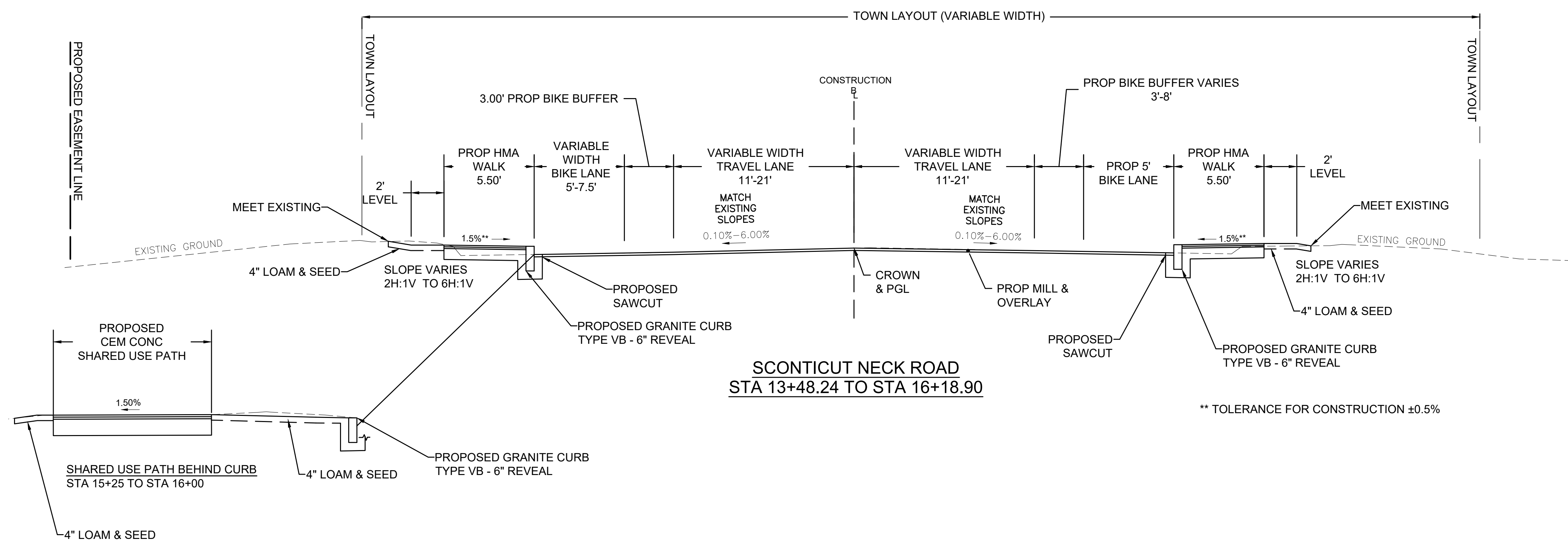
PROPOSED HOT MIX ASPHALT DRIVEWAY AND SIDEWALK AT DRIVEWAY

SURFACE: 1.50" SUPERPAVE SURFACE COURSE 9.5 (SSC - 9.5) OVER
2.50" SUPERPAVE SURFACE COURSE 12.5 (SSC - 12.5)

FOUNDATION: 8" GRAVEL BORROW, TYPE b

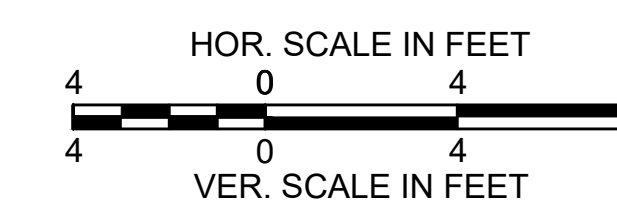


**SCONTICUT NECK ROAD
STA 12+00.00 TO STA 13+48.24**



**SCONTICUT NECK ROAD
STA 13+48.24 TO STA 16+18.90**

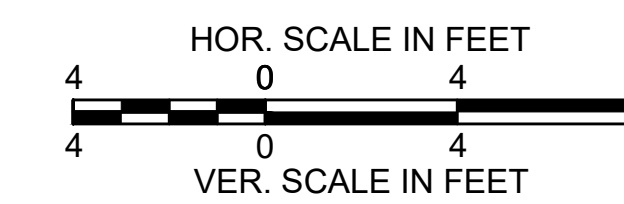
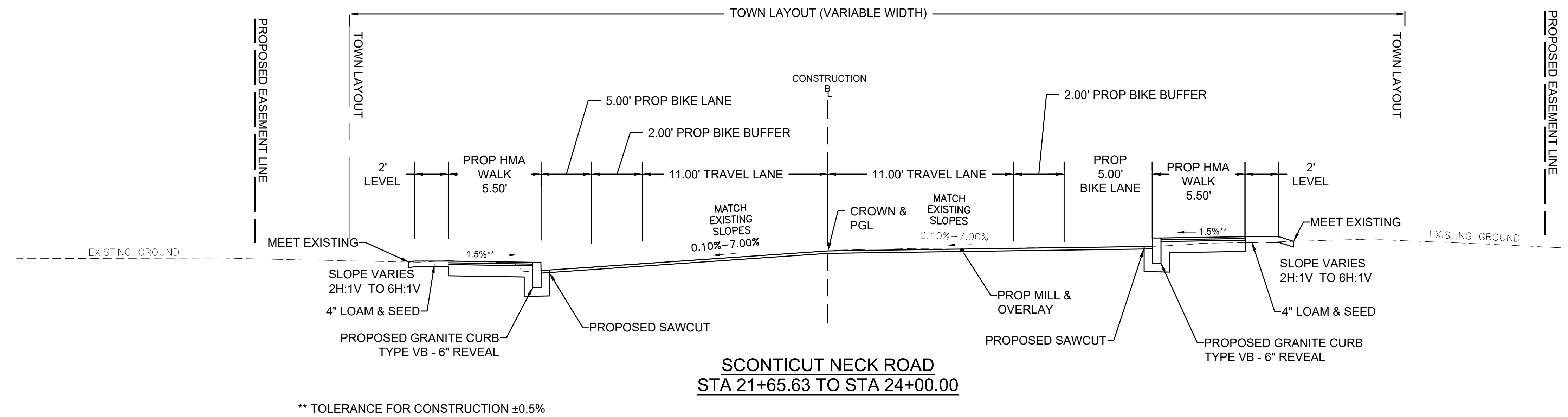
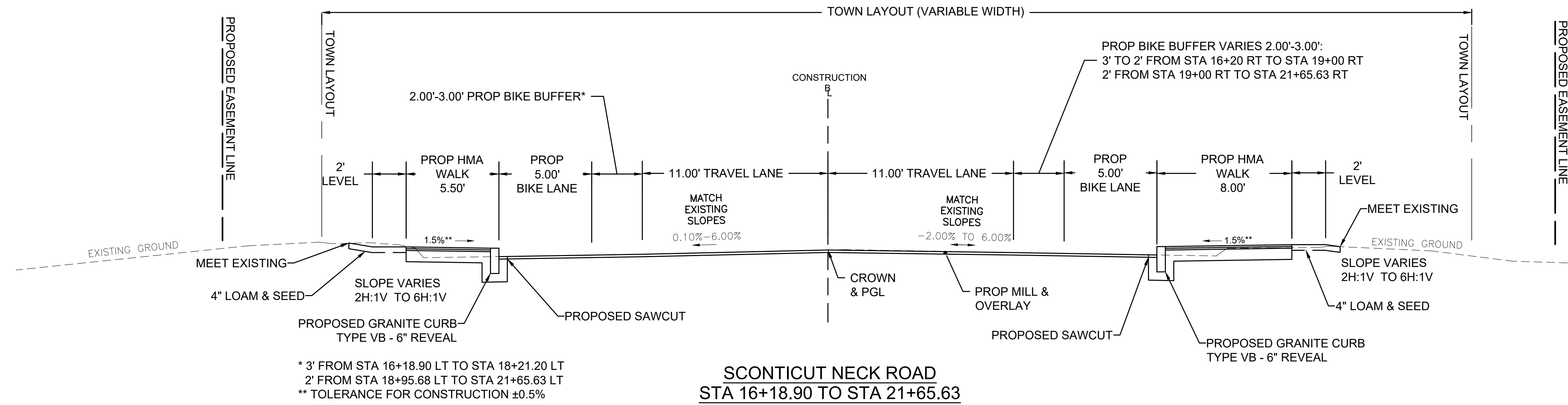
** TOLERANCE FOR CONSTRUCTION ±0.5%

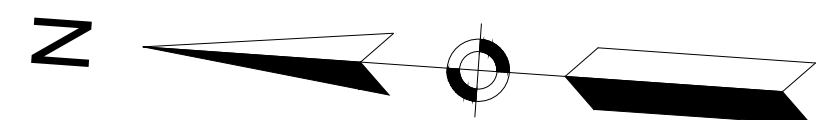


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SCONTICUT NECK ROAD**

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MA	TAP-SRS5(001)X	06	48
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**TYPICAL SECTIONS
SHEET 02 OF 02**





**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	07	48

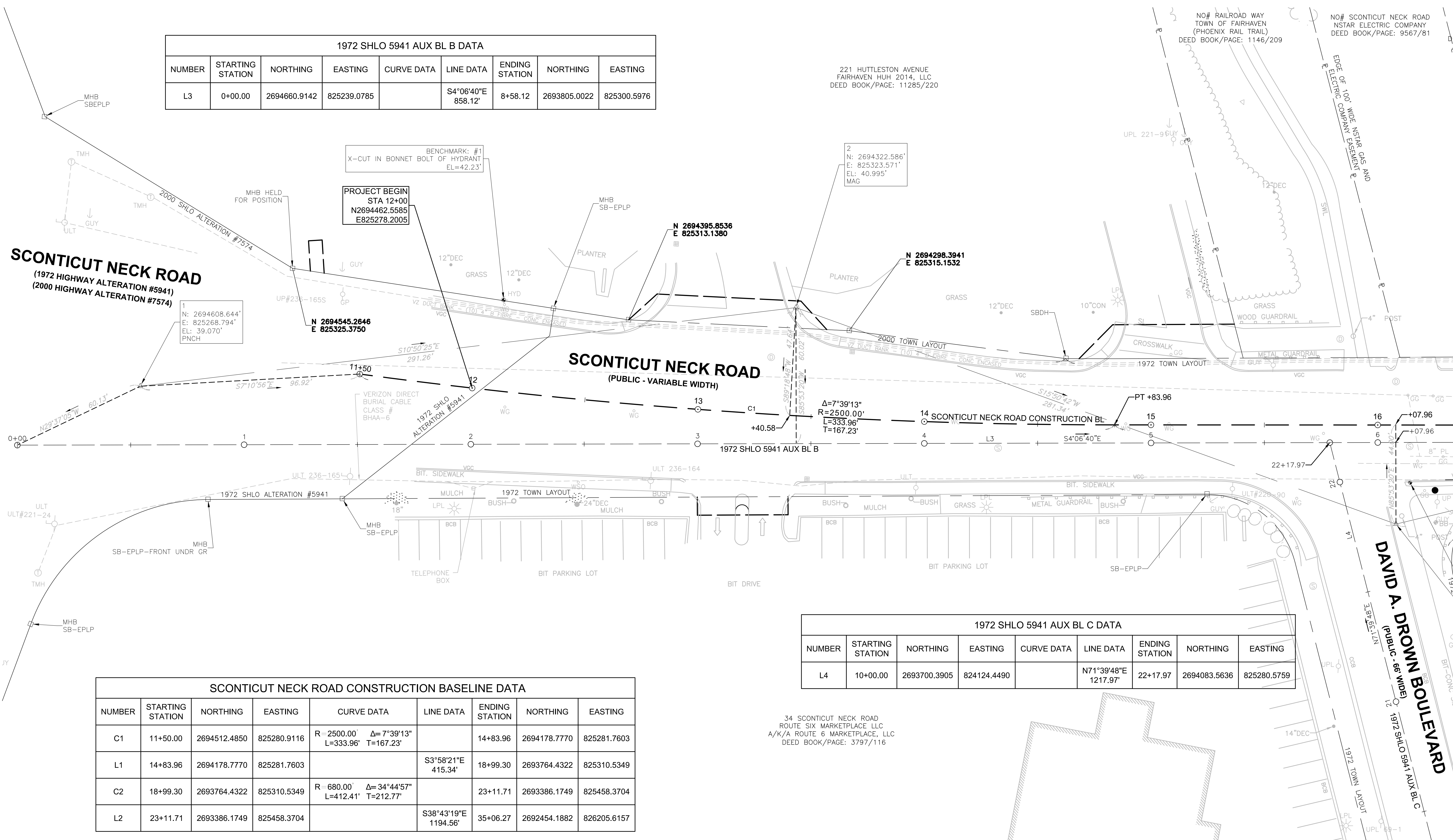
PROJECT FILE NO. 609518
**CONSTRUCTION BASELINE TIES
SHEET 01 OF 04**

1972 SHLO 5941 AUX BL B DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L3	0+00.00	2694660.9142	825239.0785		S4°06'40"E 858.12'	8+58.12	2693805.0022	825300.5976

221 HUTTLESTON AVENUE
FAIRHAVEN HUH 2014, LLC
DEED BOOK/PAGE: 11285/220

NO# RAILROAD WAY
TOWN OF FAIRHAVEN
(PHOENIX RAIL TRAIL)
DEED BOOK/PAGE: 1146/209

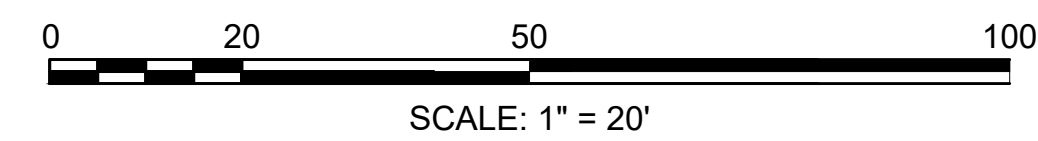
NO# SCONTICUT NECK ROAD
NSTAR ELECTRIC COMPANY
DEED BOOK/PAGE: 9567/B1



1972 SHLO 5941 AUX BL C DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L4	10+00.00	2693700.3905	824124.4490		N71°39'48"E 1217.97'	22+17.97	2694083.5636	825280.5759

SCONTICUT NECK ROAD CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C1	11+50.00	2694512.4850	825280.9116	R=2500.00' Δ=7°39'13" L=333.96' T=167.23'		14+83.96	2694178.7770	825281.7603
L1	14+83.96	2694178.7770	825281.7603		S3°58'21"E 415.34'	18+99.30	2693764.4322	825310.5349
C2	18+99.30	2693764.4322	825310.5349	R=680.00' Δ=34°44'57" L=412.41' T=212.77'		23+11.71	2693386.1749	825458.3704
L2	23+11.71	2693386.1749	825458.3704		S38°43'19"E 1194.56'	35+06.27	2692454.1882	826205.6157

34 SCONTICUT NECK ROAD
ROUTE SIX MARKETPLACE LLC
A/K/A ROUTE 6 MARKETPLACE, LLC
DEED BOOK/PAGE: 3797/116



CONTINUED ON
SHEET NO. 08

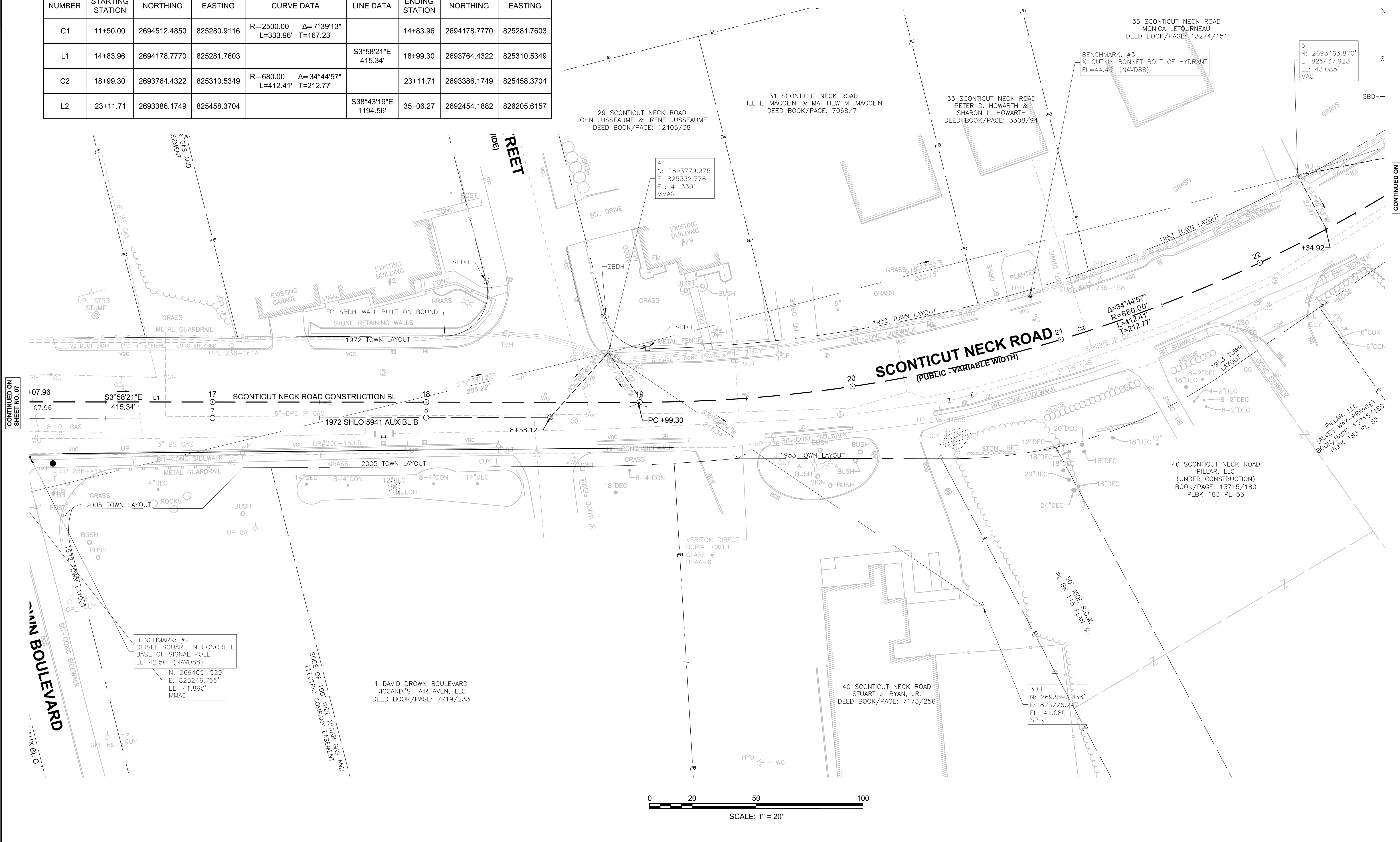
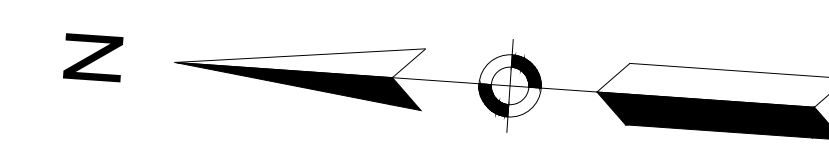
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**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	08	48
PROJECT FILE NO. 609518			

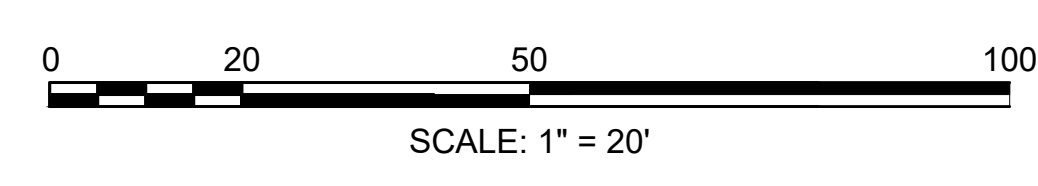
**CONSTRUCTION BASELINE TIES
SHEET 02 OF 04**

SCONTICUT NECK ROAD CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C1	11+50.00	2694512.4850	825280.9116	R=2500.00' Δ=7°39'13" L=333.96' T=167.23'		14+83.96	2694178.7770	825281.7603
L1	14+83.96	2694178.7770	825281.7603		S3°58'21"E 415.34'	18+99.30	2693764.4322	825310.5349
C2	18+99.30	2693764.4322	825310.5349	R=680.00' Δ=34°44'57" L=412.41' T=212.77'		23+11.71	2693386.1749	825458.3704
L2	23+11.71	2693386.1749	825458.3704		S38°43'19"E 1194.56'	35+06.27	2692454.1882	826205.6157



CONTINUED ON
SHEET NO. 07

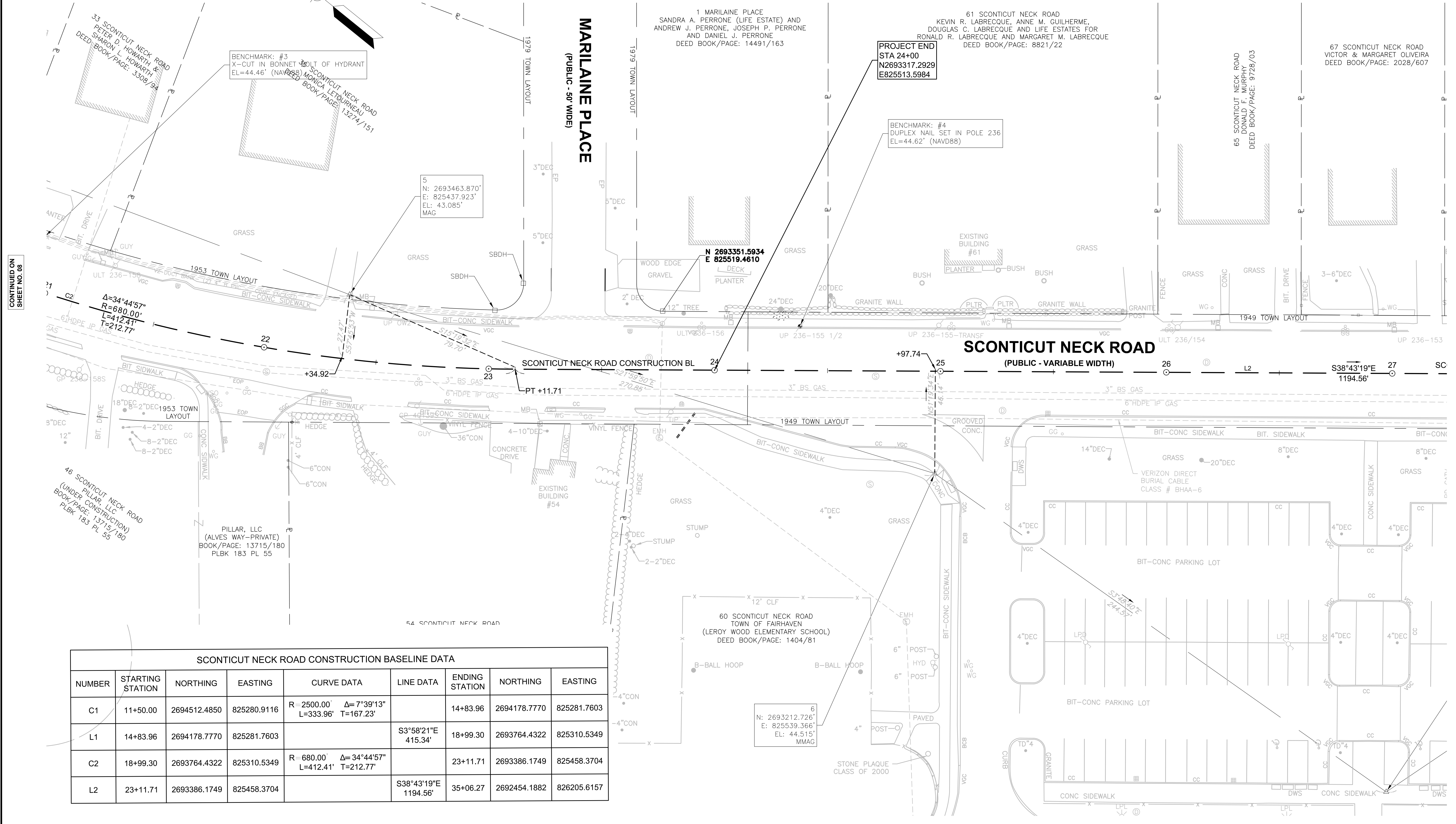
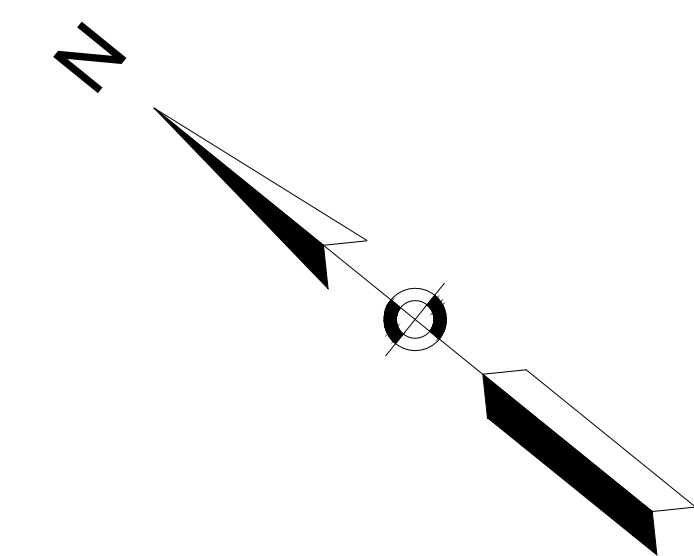
CONTINUED ON
SHEET NO. 09



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SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	09	48
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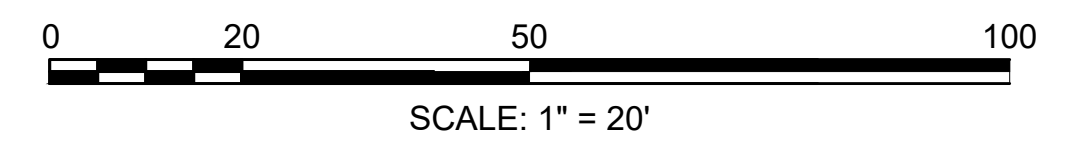
**CONSTRUCTION BASELINE TIES
SHEET 03 OF 04**



CONTINUED ON
SHEET NO. 08

CONTINUED ON
SHEET NO. 10

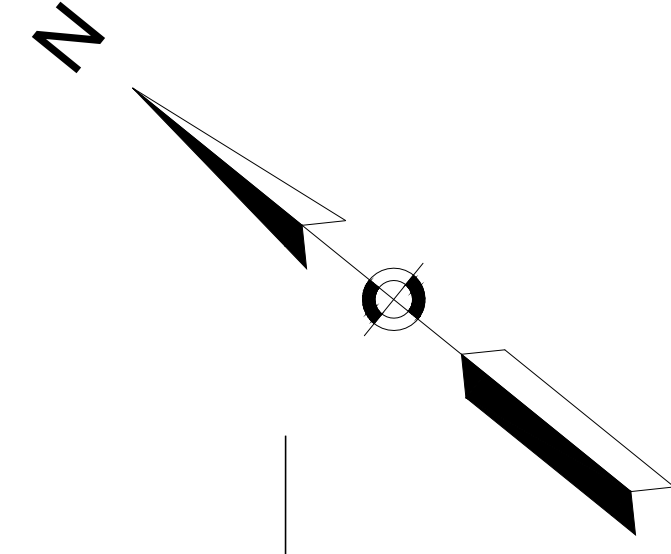
SCONTICUT NECK ROAD CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C1	11+50.00	2694512.4850	825280.9116	R=2500.00' Δ=7°39'13" L=333.96' T=167.23'		14+83.96	2694178.7770	825281.7603
L1	14+83.96	2694178.7770	825281.7603		S3°58'21"E 415.34'	18+99.30	2693764.4322	825310.5349
C2	18+99.30	2693764.4322	825310.5349	R=680.00' Δ=34°44'57" L=412.41' T=212.77'		23+11.71	2693386.1749	825458.3704
L2	23+11.71	2693386.1749	825458.3704		S38°43'19"E 1194.56'	35+06.27	2692454.1882	826205.6157



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**CONSTRUCTION BASELINE TIES
SHEET 04 OF 04**



67 SCONTICUT NECK ROAD
VICTOR & MARGARET OLIVEIRA
DEED BOOK/PAGE: 2028/607

69 SCONTICUT NECK ROAD
IAN M. & JOELYN L. MONIZ
DEED BOOK/PAGE: 13279/215

71 SCONTICUT NECK ROAD
N/F
NANCY NEVITT
DEED BOOK/PAGE: 3367/16

73 SCONTICUT NECK ROAD
N/F
PETER S. & SUSANE C. NUNES
DEED BOOK/PAGE: 11243/77

75 SCONTICUT NECK ROAD
N/F
MARKAL, LLC
DEED BOOK/PAGE: 12255/228

83 SCONTICUT NECK ROAD
N/F
ELEANOR M. & CHRISTOPHER C. CONIGO
DEED BOOK/PAGE: 3233/97

N 2693026.4189
E 825795.1494

N 2692970.3886
E 825824.5147

N 2692810.0199
E 825952.6965

N 2692666.1402
E 826067.6233

N 2692747.3916
E 825922.0929

8
N: 2692885.009'
E: 825829.392'
EL: 46.765'
MAG

84 SCONTICUT NECK ROAD
N/F
DEREK M. SOUSA
DEED BOOK/PAGE: 11674/249

7
N: 2692968.711
E: 825555.629'
EL: 41.840'
MAG

60 SCONTICUT NECK ROAD
TOWN OF FAIRHAVEN
(LEROY WOOD ELEMENTARY SCHOOL)
DEED BOOK/PAGE: 1404/81

86 SCONTICUT NECK ROAD
N/F
ROBERT J. & BARBARA A. FREITAS
DEED BOOK/PAGE: 1956/58

HILLER AVE.
(PUBLIC - 50' WIDE)

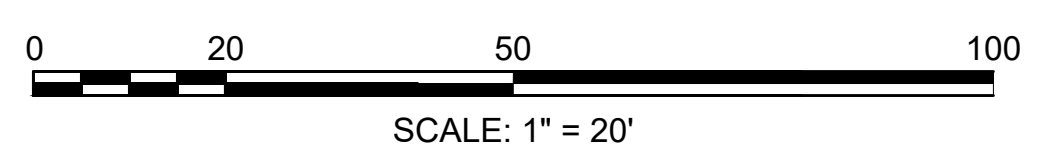
UPTON STREET
(PUBLIC - 40' WIDE)

N STREET
(VATE)

SCONTICUT NECK ROAD
(PUBLIC - VARIABLE WIDTH)

SCONTICUT NECK ROAD CONSTRUCTION BASELINE DATA

NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C1	11+50.00	2694512.4850	825280.9116	R=2500.00' Δ=7°39'13" L=333.96' T=167.23'		14+83.96	2694178.7770	825281.7603
L1	14+83.96	2694178.7770	825281.7603		S3°58'21"E 415.34'	18+99.30	2693764.4322	825310.5349
C2	18+99.30	2693764.4322	825310.5349	R=680.00' Δ=34°44'57" L=412.41' T=212.77'		23+11.71	2693386.1749	825458.3704
L2	23+11.71	2693386.1749	825458.3704		S38°43'19"E 1194.56'	35+06.27	2692454.1882	826205.6157



CONTINUED ON
SHEET NO. 09

HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

NONE

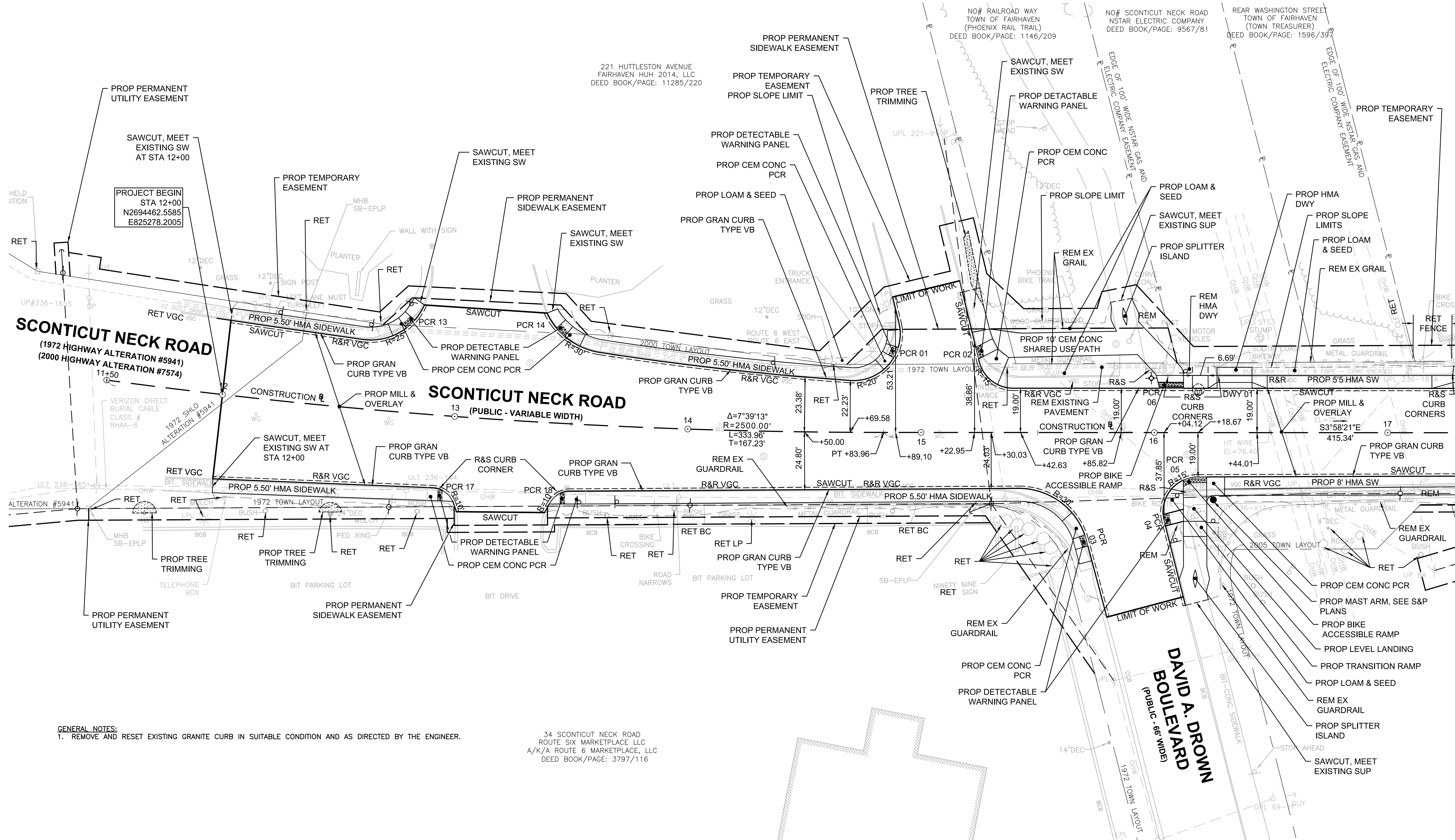
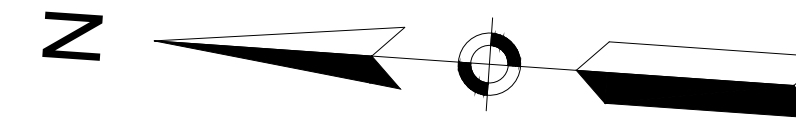
DRAINAGE DETAILS

SEE UTILITY PLANS

FAIRHAVEN
SCONTICUT NECK ROAD

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	11	48
PROJECT FILE NO.		609518	

CONSTRUCTION PLANS
SHEET 01 OF 03



GENERAL NOTES:
1. REMOVE AND RESET EXISTING GRANITE CURB IN SUITABLE CONDITION AND AS DIRECTED BY THE ENGINEER.

34 SCONTICUT NECK ROAD
ROUTE SIX MARKETPLACE, LLC
A/K/A ROUTE 6 MARKETPLACE, LLC
DEED BOOK/PAGE: 3797/116



SEE PROFILE SHEET NO. 14

CONTINUED ON
SHEET NO. 12

609518_HR(CONST)PLANS.DWG
Plotted on: 20-Mar-2024 9:40 AM

HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

NONE

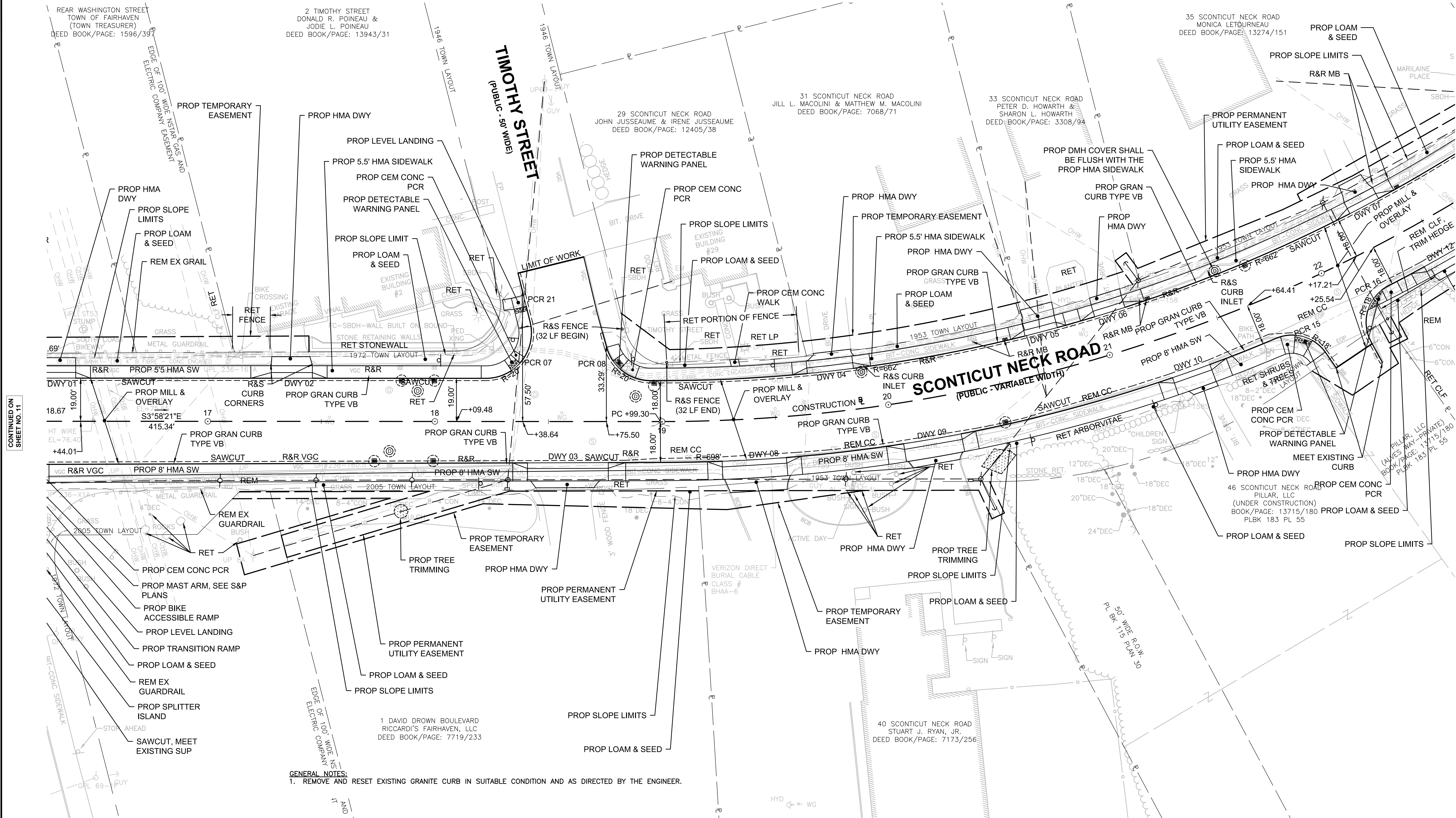
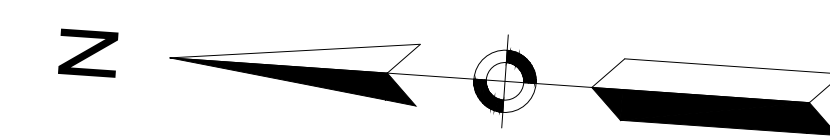
DRAINAGE DETAILS

SEE UTILITY PLANS

FAIRHAVEN
SCONTICUT NECK ROAD

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	12	48

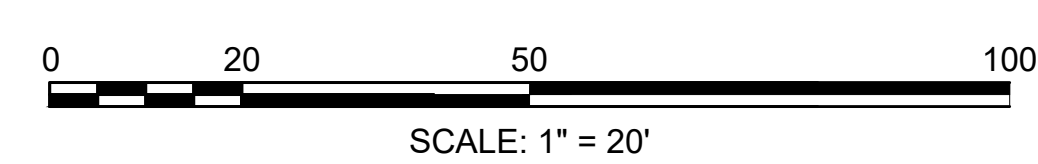
PROJECT FILE NO. 609518
CONSTRUCTION PLANS
SHEET 02 OF 03



CONTINUED ON
SHEET NO. 11

CONTINUED ON
SHEET NO. 13

GENERAL NOTES:
1. REMOVE AND RESET EXISTING GRANITE CURB IN SUITABLE CONDITION AND AS DIRECTED BY THE ENGINEER.



SEE PROFILE SHEET NO. 15

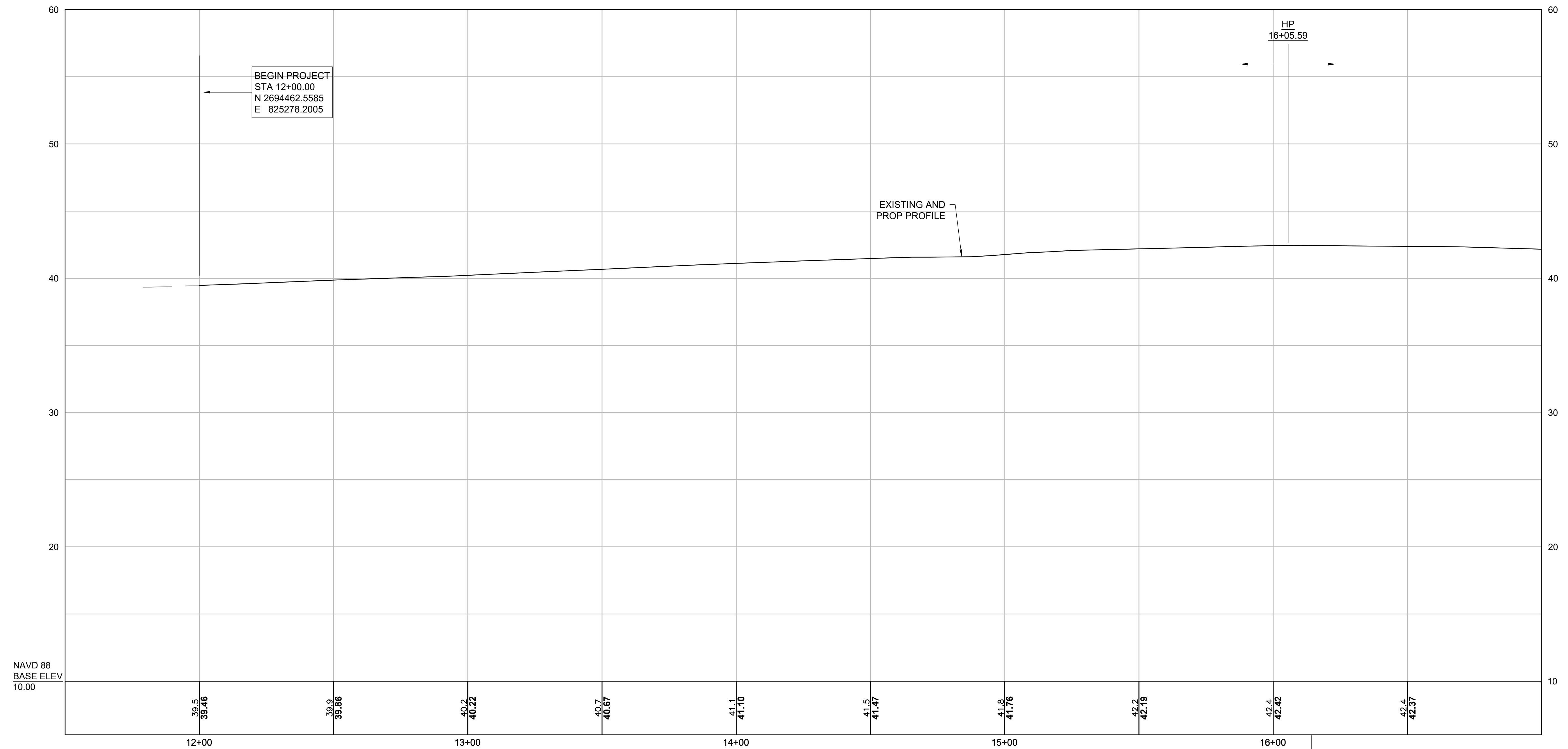
609518_HD(CONST)PLANS.DWG Plotted on 20-Mar-2024 9:40 AM

**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	14	48
PROJECT FILE NO.		609518	

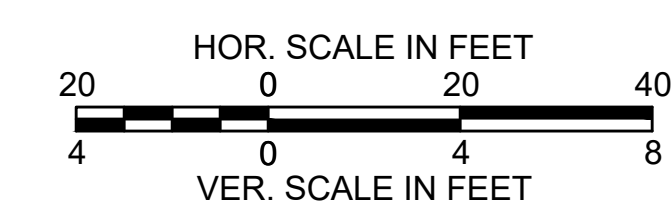
**PROFILE - SCONTICUT NECK ROAD
SHEET 01 OF 03**

SCONTICUT NECK ROAD PROFILE VIEW



NAVD 88
BASE ELEV
10.00

Temp. Benchmark #2
Chiseled Square in Concrete
Base of Signal Pole
Elevation = 42.507
Sta. 16+14.22, 25.69 FT



FOR CONSTRUCTION PLAN
SEE SHEET NO. 11

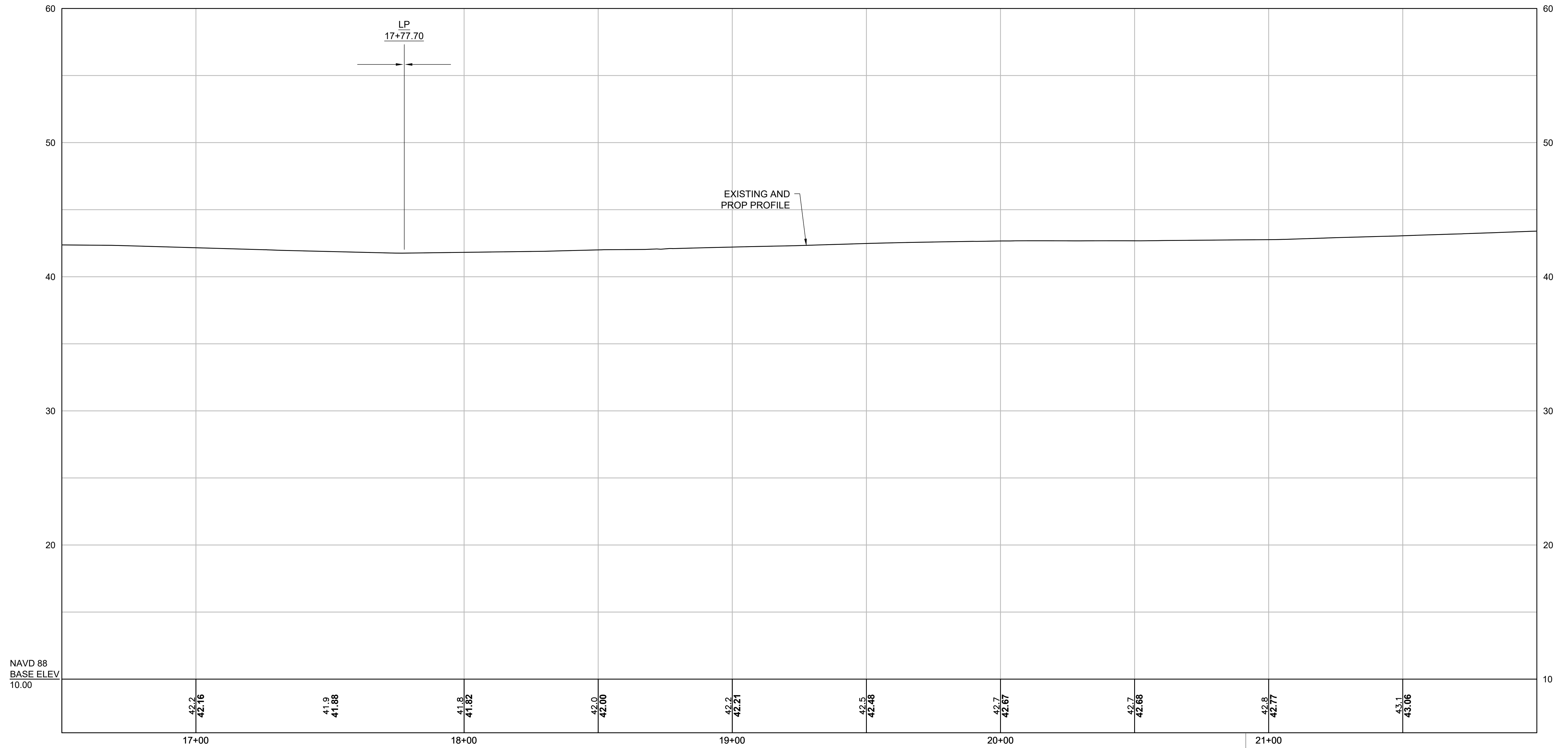
CONTINUED ON
SHEET NO. 15

**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	15	48
PROJECT FILE NO.		609518	

**PROFILE - SCONTICUT NECK ROAD
SHEET 02 OF 03**

SCONTICUT NECK ROAD PROFILE VIEW

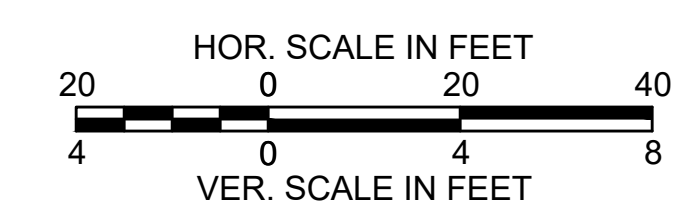


CONTINUED ON
SHEET NO. 14

CONTINUED ON
SHEET NO. 16

NAVD 88
BASE ELEV
10.00

Temp. Benchmark #3
X-CUT in Bonnet Bolt
of Hydrant
Elevation = 44.46'
Sta. 20+91.49, 22.43' LT



FOR CONSTRUCTION PLAN
SEE SHEET NO. 12

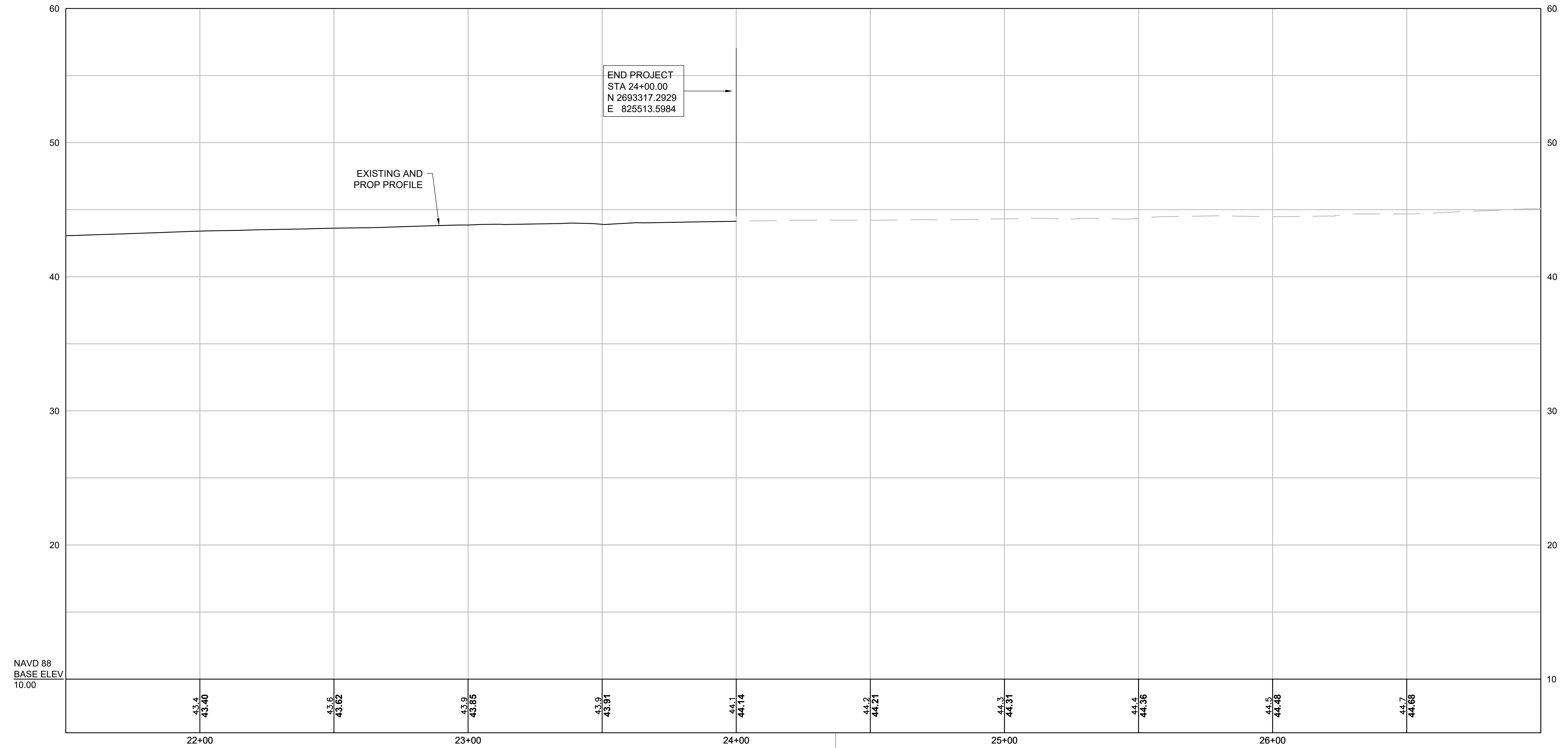
FAIRHAVEN
SCONTICUT NECK ROAD

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	16	48
PROJECT FILE NO.		609518	

PROFILE - SCONTICUT NECK ROAD
SHEET 03 OF 03

SCONTICUT NECK ROAD PROFILE VIEW

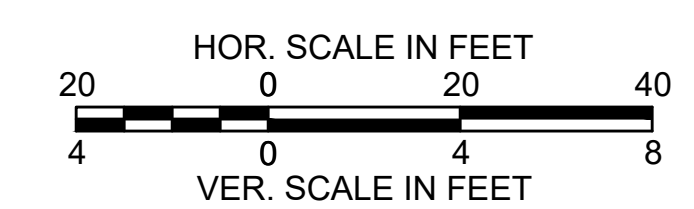
CONTINUED ON
SHEET NO. 15



END PROJECT
STA 24+00.00
N 2693317.2929
E 825513.5984

EXISTING AND
PROP PROFILE

Temp. Benchmark #4
Nail Set in Pole 236
Elevation = 44.62'
Sta. 24+37.04, 18.66' LT



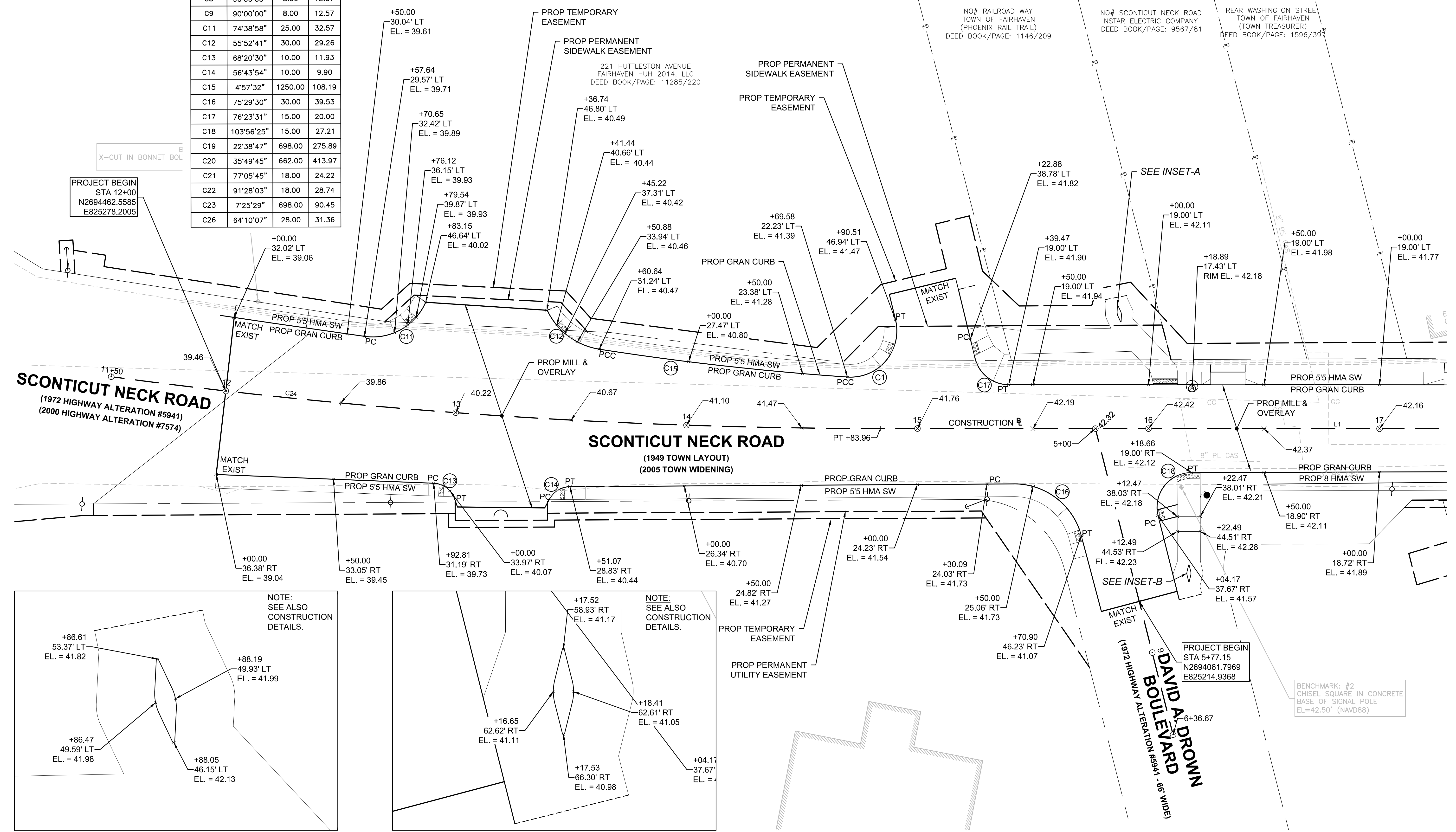
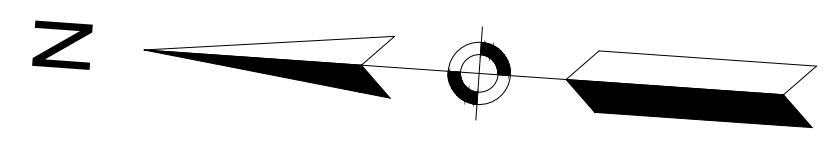
FOR CONSTRUCTION PLAN
SEE SHEET NO. 13

**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	17	48

PROJECT FILE NO. 609518
**CURB TIE & GRADING PLANS
SHEET 01 OF 03**

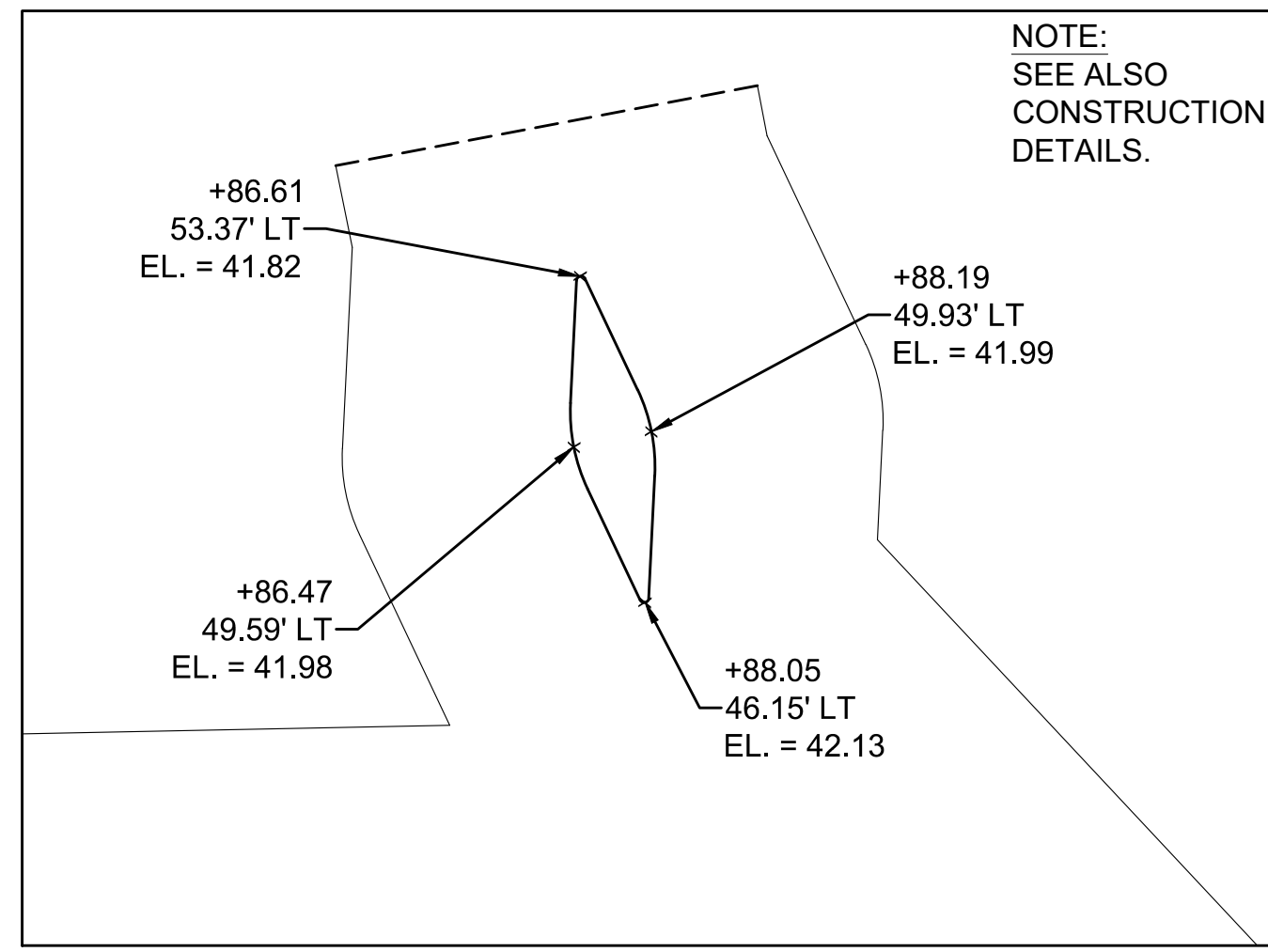
Curve #	Delta	Radius	Length
C1	107°29'44"	20.00	37.52
C5	103°59'20"	20.00	36.30
C6	74°05'33"	20.00	25.86
C8	90°00'00"	8.00	12.57
C9	90°00'00"	8.00	12.57
C11	74°38'58"	25.00	32.57
C12	55°52'41"	30.00	29.26
C13	68°20'30"	10.00	11.93
C14	56°43'54"	10.00	9.90
C15	4°57'32"	1250.00	108.19
C16	75°29'30"	30.00	39.53
C17	76°23'31"	15.00	20.00
C18	103°56'25"	15.00	27.21
C19	22°38'47"	698.00	275.89
C20	35°49'45"	662.00	413.97
C21	77°05'45"	18.00	24.22
C22	91°28'03"	18.00	28.74
C23	7°25'29"	698.00	90.45
C26	64°10'07"	28.00	31.36



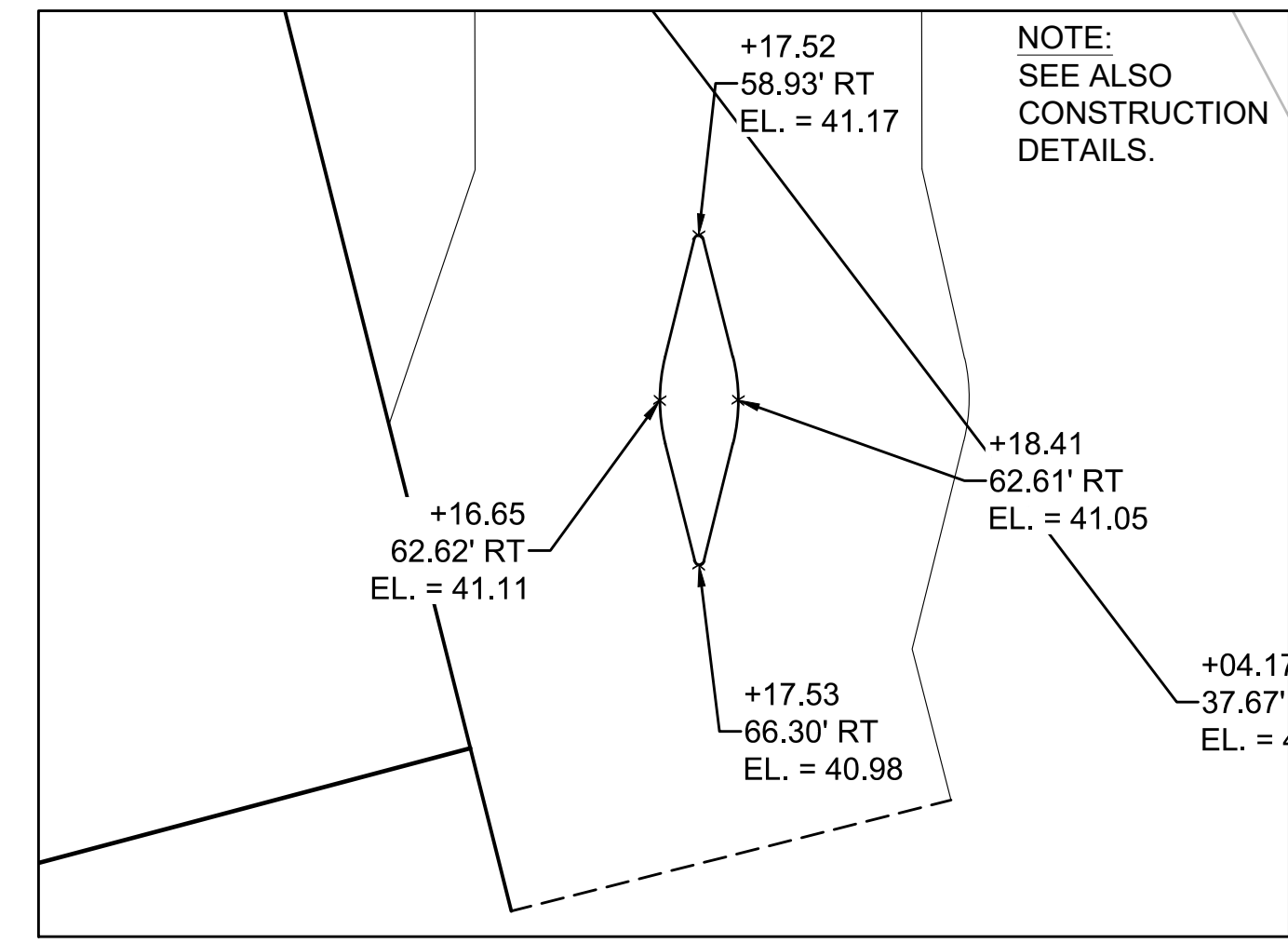
PROJECT BEGIN
STA 12+00
N2694462.5585
E825278.2005

PROJECT BEGIN
STA 5+77.15
N2694061.7969
E825214.9368

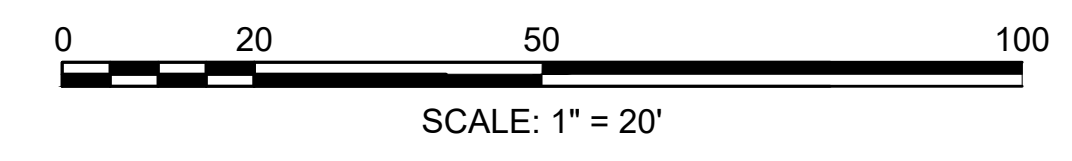
BENCHMARK: #2
CHISEL SQUARE IN CONCRETE
BASE OF SIGNAL POLE
EL.=42.50' (NAVD88)



INSET-A
**STAMPED CEMENT CONCRETE
SPLITTER ISLAND - EAST SIDE**
SCALE: 1" = 4'



INSET-B
**STAMPED CEMENT CONCRETE
SPLITTER ISLAND - WEST SIDE**
SCALE: 1" = 4'

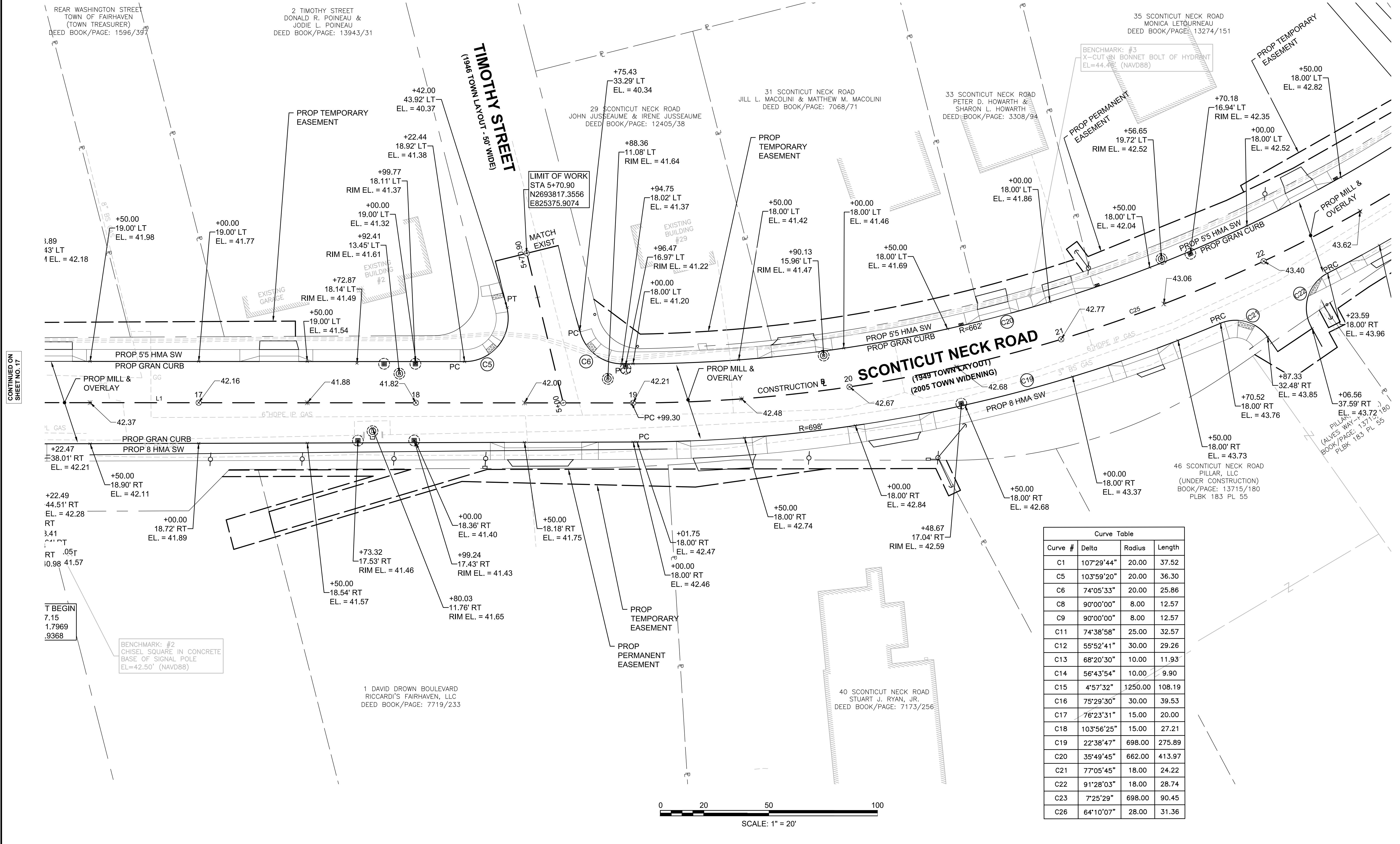
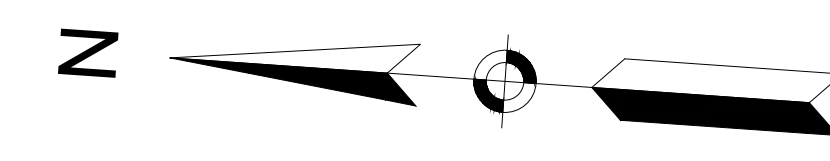


609518_HDCURB TIE & GRADING.DWG Plotted on: 20-Mar-2024 9:41 AM
CONTINUED ON SHEET NO. 18

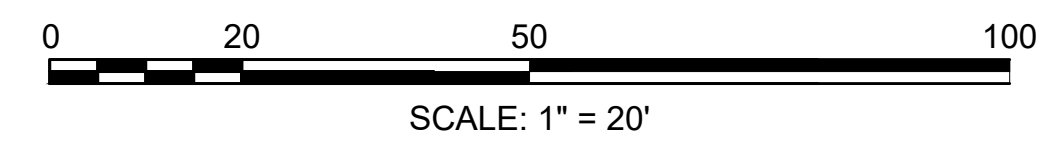
**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	18	48
PROJECT FILE NO.		609518	

**CURB TIE & GRADING PLANS
SHEET 02 OF 03**



Curve #	Delta	Radius	Length
C1	107°29'44"	20.00	37.52
C5	103°59'20"	20.00	36.30
C6	74°05'33"	20.00	25.86
C8	90°00'00"	8.00	12.57
C9	90°00'00"	8.00	12.57
C11	74°38'58"	25.00	32.57
C12	55°52'41"	30.00	29.26
C13	68°20'30"	10.00	11.93
C14	56°43'54"	10.00	9.90
C15	4°57'32"	1250.00	108.19
C16	75°29'30"	30.00	39.53
C17	76°23'31"	15.00	20.00
C18	103°56'25"	15.00	27.21
C19	22°38'47"	698.00	275.89
C20	35°49'45"	662.00	413.97
C21	77°05'45"	18.00	24.22
C22	91°28'03"	18.00	28.74
C23	7°25'29"	698.00	90.45
C26	64°10'07"	28.00	31.36



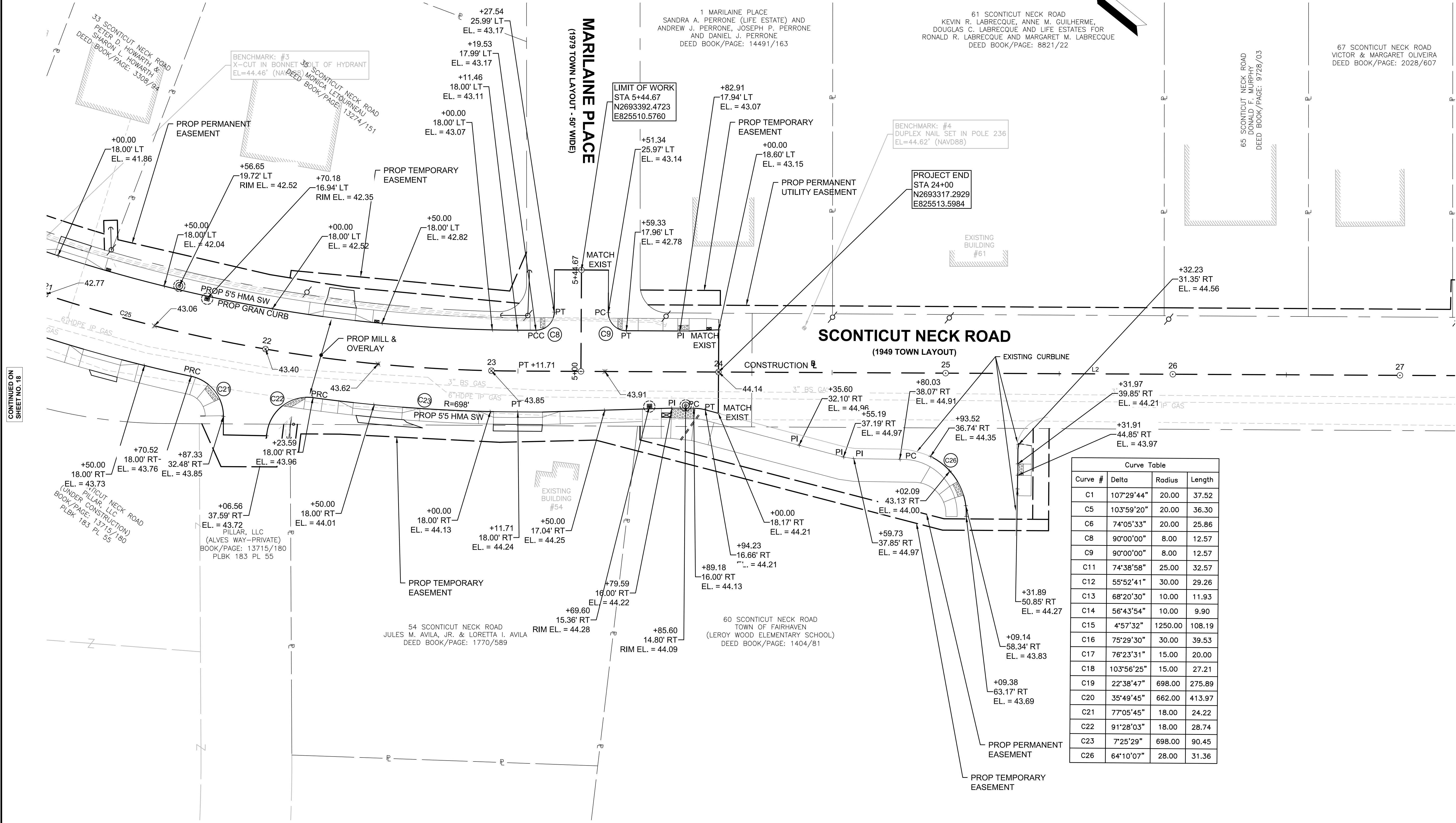
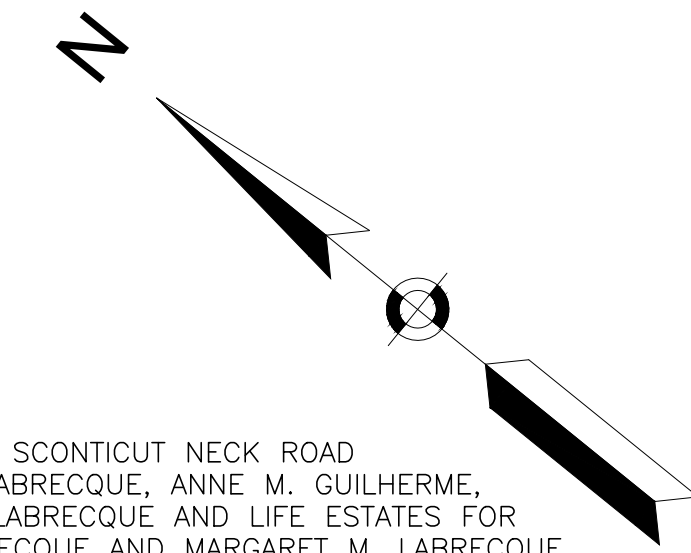
CONTINUED ON
SHEET NO. 17

CONTINUED ON
SHEET NO. 19

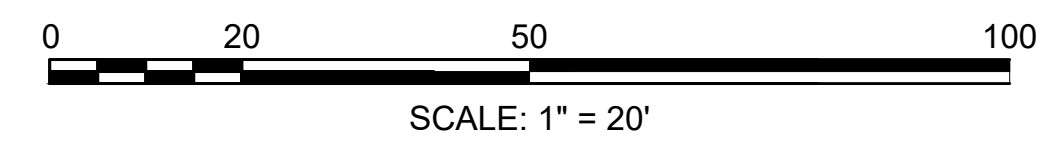
**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	19	48
PROJECT FILE NO. 609518			

**CURB TIE & GRADING PLANS
SHEET 03 OF 03**



Curve Table			
Curve #	Delta	Radius	Length
C1	107°29'44"	20.00	37.52
C5	103°59'20"	20.00	36.30
C6	74°05'33"	20.00	25.86
C8	90°00'00"	8.00	12.57
C9	90°00'00"	8.00	12.57
C11	74°38'58"	25.00	32.57
C12	55°52'41"	30.00	29.26
C13	68°20'30"	10.00	11.93
C14	56°43'54"	10.00	9.90
C15	4°57'32"	1250.00	108.19
C16	75°29'30"	30.00	39.53
C17	76°23'31"	15.00	20.00
C18	103°56'25"	15.00	27.21
C19	22°38'47"	698.00	275.89
C20	35°49'45"	662.00	413.97
C21	77°05'45"	18.00	24.22
C22	91°28'03"	18.00	28.74
C23	7°25'29"	698.00	90.45
C26	64°10'07"	28.00	31.36

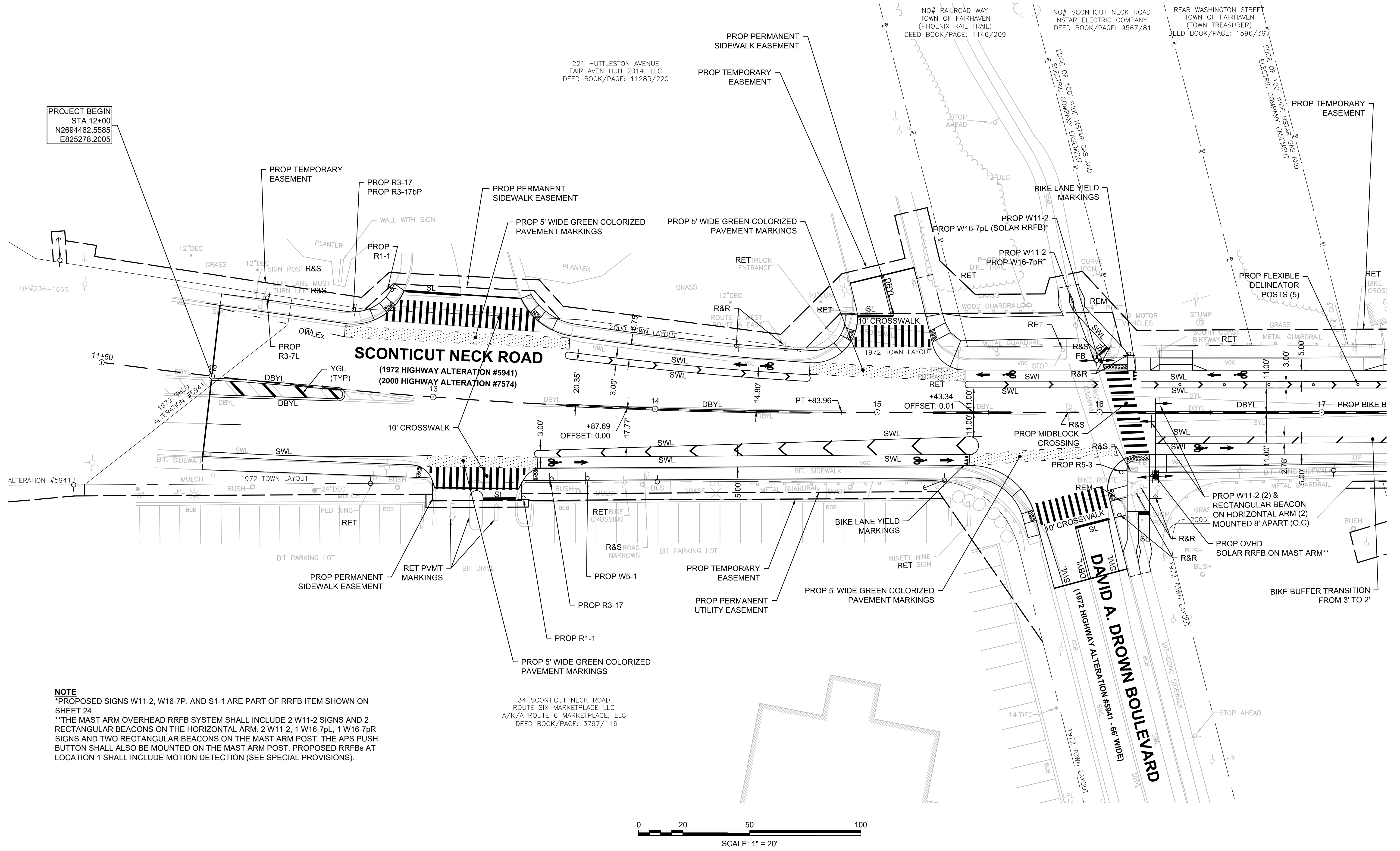
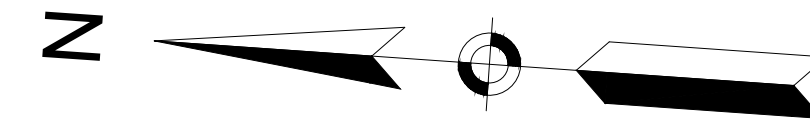


CONTINUED ON
SHEET NO. 18

**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	20	48

PROJECT FILE NO. 609518
**TRAFFIC SIGN & PAVEMENT MARKINGS
SHEET 01 OF 03**



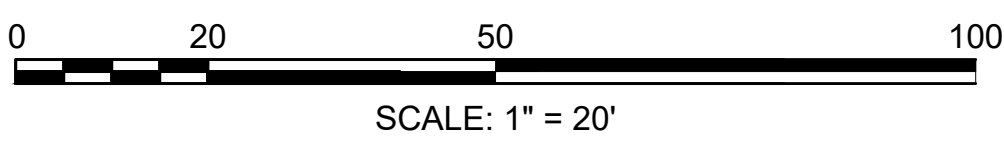
PROJECT BEGIN
STA 12+00
N2694462.5585
E825278.2005

SCONTICUT NECK ROAD
(1972 HIGHWAY ALTERATION #5941)
(2000 HIGHWAY ALTERATION #7574)

DAVID A. DROWN BOULEVARD
(1972 HIGHWAY ALTERATION #5941 - 66' WIDE)

NOTE
*PROPOSED SIGNS W11-2, W16-7P, AND S1-1 ARE PART OF RRFB ITEM SHOWN ON SHEET 24.
**THE MAST ARM OVERHEAD RRFB SYSTEM SHALL INCLUDE 2 W11-2 SIGNS AND 2 RECTANGULAR BEACONS ON THE HORIZONTAL ARM. 2 W11-2, 1 W16-7pL, 1 W16-7pR SIGNS AND TWO RECTANGULAR BEACONS ON THE MAST ARM POST. THE APS BUTTON SHALL ALSO BE MOUNTED ON THE MAST ARM POST. PROPOSED RRFBS AT LOCATION 1 SHALL INCLUDE MOTION DETECTION (SEE SPECIAL PROVISIONS).

34 SCONTICUT NECK ROAD
ROUTE SIX MARKETPLACE, LLC
A/K/A ROUTE 6 MARKETPLACE, LLC
DEED BOOK/PAGE: 3797/116



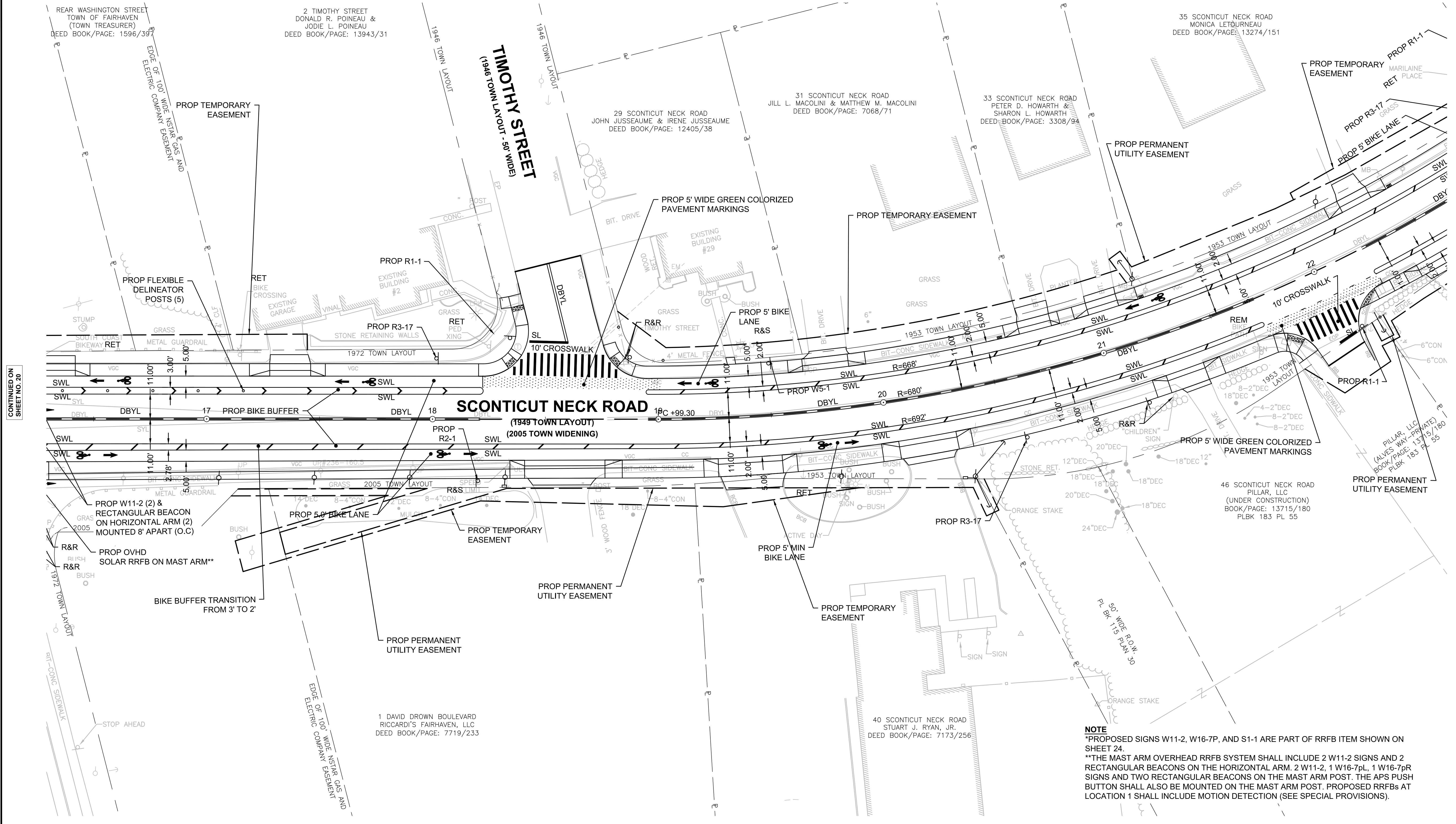
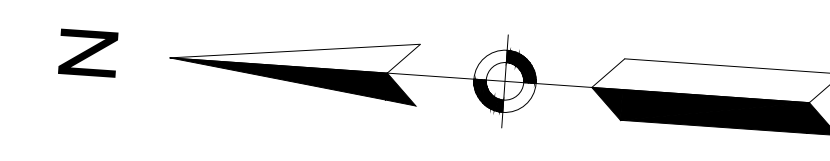
CONTINUED ON
SHEET NO. 21

609518_HDSIGN & PAVEMENT.DWG
Plotted on: 20-Mar-2024 9:42 AM

**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	21	48

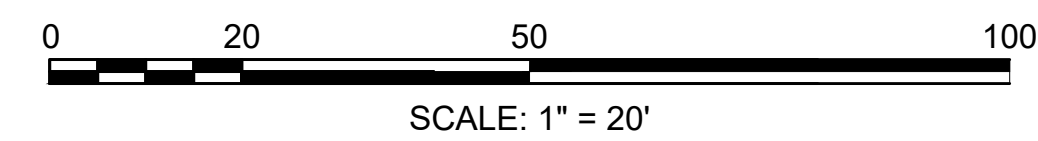
PROJECT FILE NO. 609518
**TRAFFIC SIGN & PAVEMENT MARKINGS
SHEET 02 OF 03**



CONTINUED ON SHEET NO. 20

CONTINUED ON SHEET NO. 22

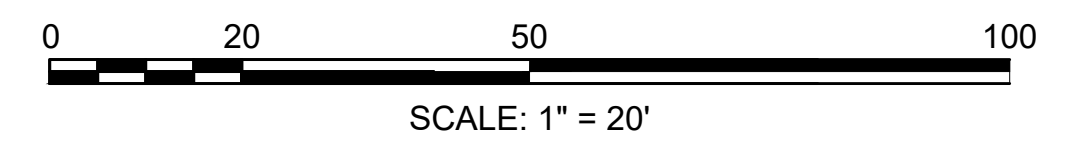
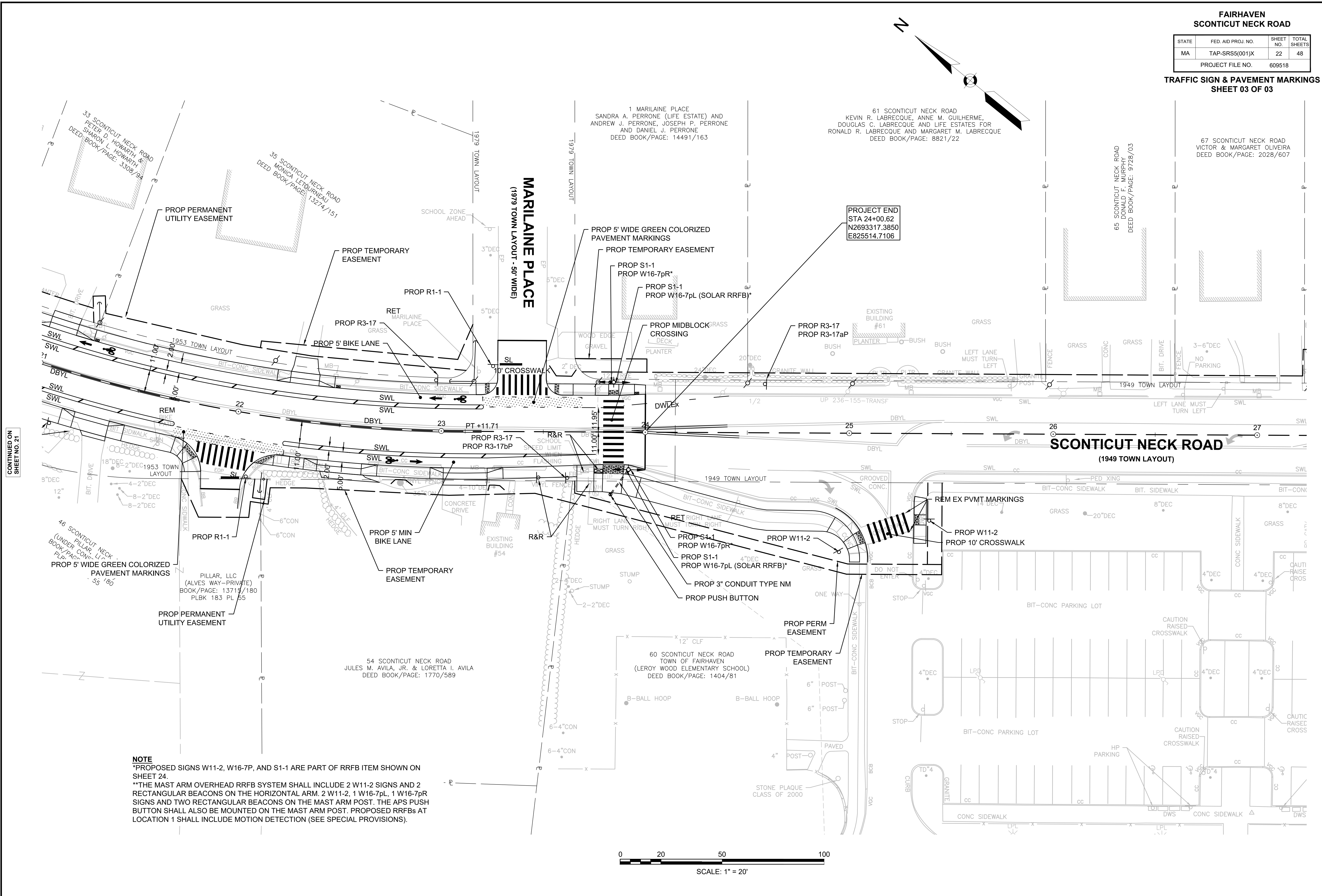
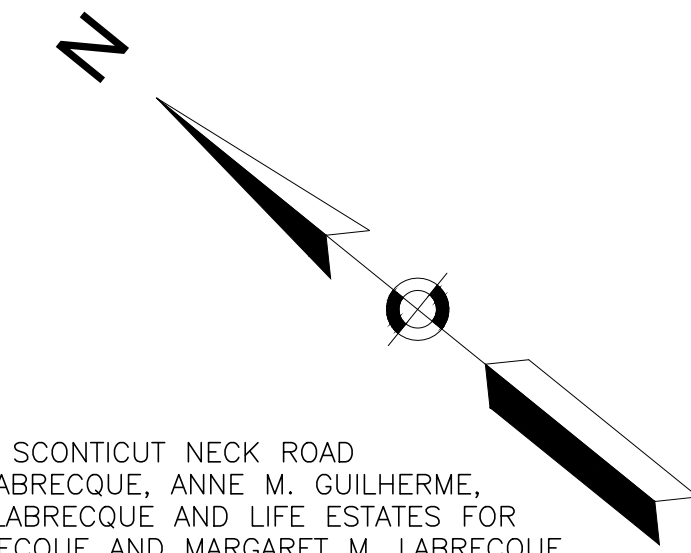
NOTE
*PROPOSED SIGNS W11-2, W16-7P, AND S1-1 ARE PART OF RRFB ITEM SHOWN ON SHEET 24.
**THE MAST ARM OVERHEAD RRFB SYSTEM SHALL INCLUDE 2 W11-2 SIGNS AND 2 RECTANGULAR BEACONS ON THE HORIZONTAL ARM. 2 W11-2, 1 W16-7pL, 1 W16-7pR SIGNS AND TWO RECTANGULAR BEACONS ON THE MAST ARM POST. THE APS PUSH BUTTON SHALL ALSO BE MOUNTED ON THE MAST ARM POST. PROPOSED RRFBS AT LOCATION 1 SHALL INCLUDE MOTION DETECTION (SEE SPECIAL PROVISIONS).



**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	22	48
PROJECT FILE NO.		609518	

**TRAFFIC SIGN & PAVEMENT MARKINGS
SHEET 03 OF 03**



CONTINUED ON SHEET NO. 21

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	23	48
PROJECT FILE NO.		609518	

TRAFFIC SIGN SUMMARY

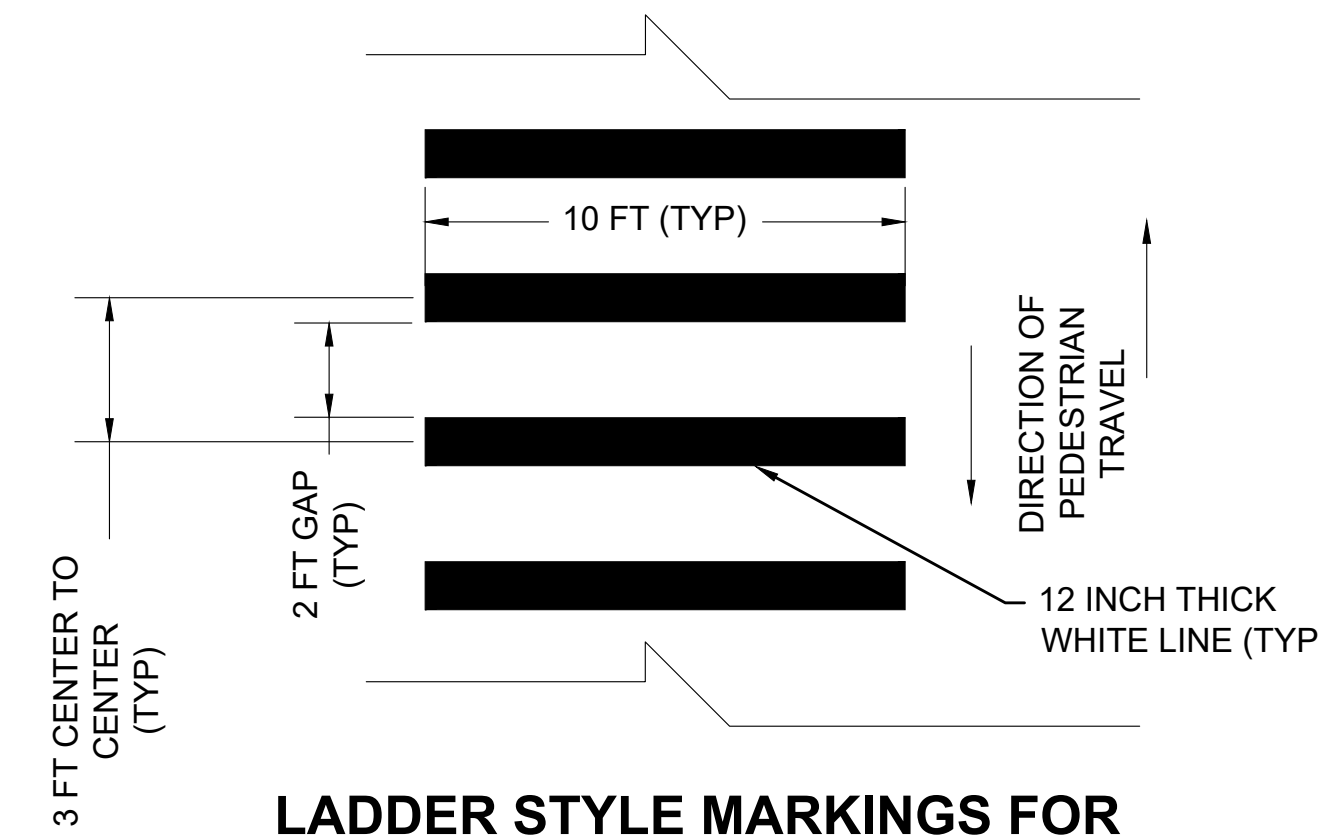
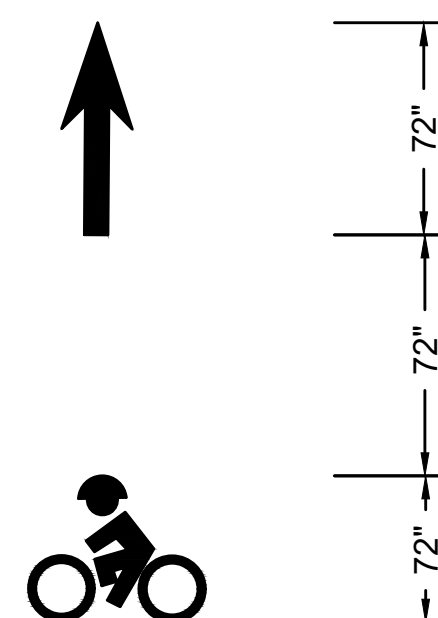
IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR			POST SIZE AND NUMBER REQUIRED	UNIT AREA (S.F.)	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND	BORDER			
R1-1	30	30		MUTCD STND	MUTCD STND	MUTCD STND	5	RED	WHITE	WHITE	P5 (5)	6.25	31.25
R3-7L	30	30					1	WHITE	BLACK	BLACK	P5 (1)	6.25	6.25
R3-17	30	24					11	WHITE	BLACK	BLACK	P5 (11)	5.00	55.00
R3-17aP	30	12					1	WHITE	BLACK	BLACK	MOUNT W/ R3-17	2.50	2.50
R3-17bP	30	12					2	WHITE	BLACK	BLACK	MOUNT W/ R3-17	2.50	5.00
S1-1* (RRFB)	36	36					4	FLUORES -CENT YELLOW GREEN	BLACK	BLACK	MOUNT ON RRFB ASSEMBLY	9.00	36.00
W16-7pL* (RRFB)	24	12					4	FLUORES -CENT YELLOW GREEN	BLACK	BLACK	MOUNT W/ S1-1 ON RRFB	2.00	8.00
W16-7pR* (RRFB)	24	12					4	FLUORES -CENT YELLOW GREEN	BLACK	BLACK	MOUNT W/ S1-1 ON RRFB	2.00	8.00
R5-3	24	24					1	WHITE	BLACK	BLACK	P5 (1)	4.00	4.00
W5-1	36	36					2	FLUORES -CENT YELLOW	BLACK	BLACK	P5 (2)	9.00	18.00
R2-1 (35)	24	30					1	WHITE	BLACK	BLACK	P5 (1)	5.00	5.00
W11-2* (RRFB)	30	30					6	FLUORES -CENT YELLOW GREEN	BLACK	BLACK	MOUNT ON HORIZONTAL MAST ARM & RRFB ASSEMBLY	5.00	30.00
W11-2	30	30					2	FLUORES -CENT YELLOW GREEN	BLACK	BLACK	P5 (2)	5.00	10.00

*PAYMENT FOR THESE SIGNS TO BE INCLUDED WITH ITEM 824.221 & 824.222

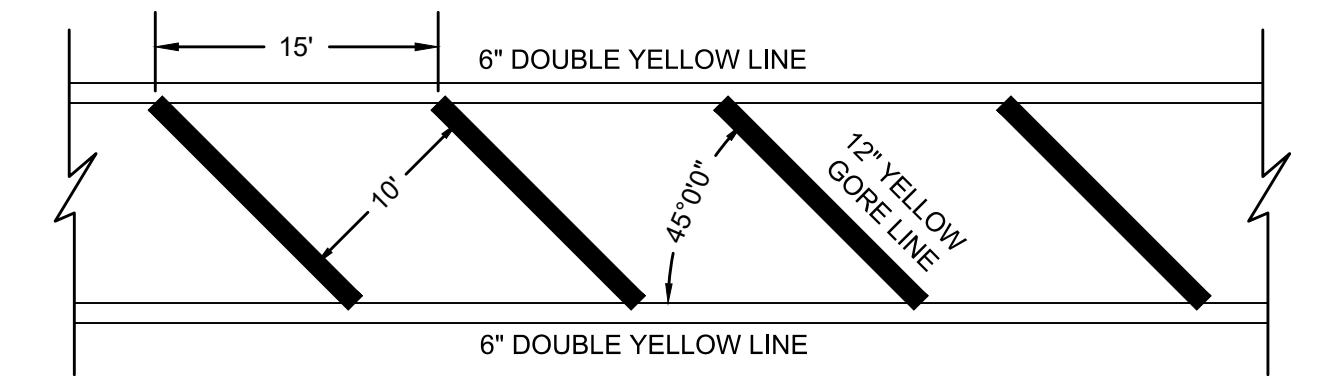
TOTAL THIS SHEET
(LESS RRFB SIGNAGE)
= 137.00 SF

SIGN NOTES:

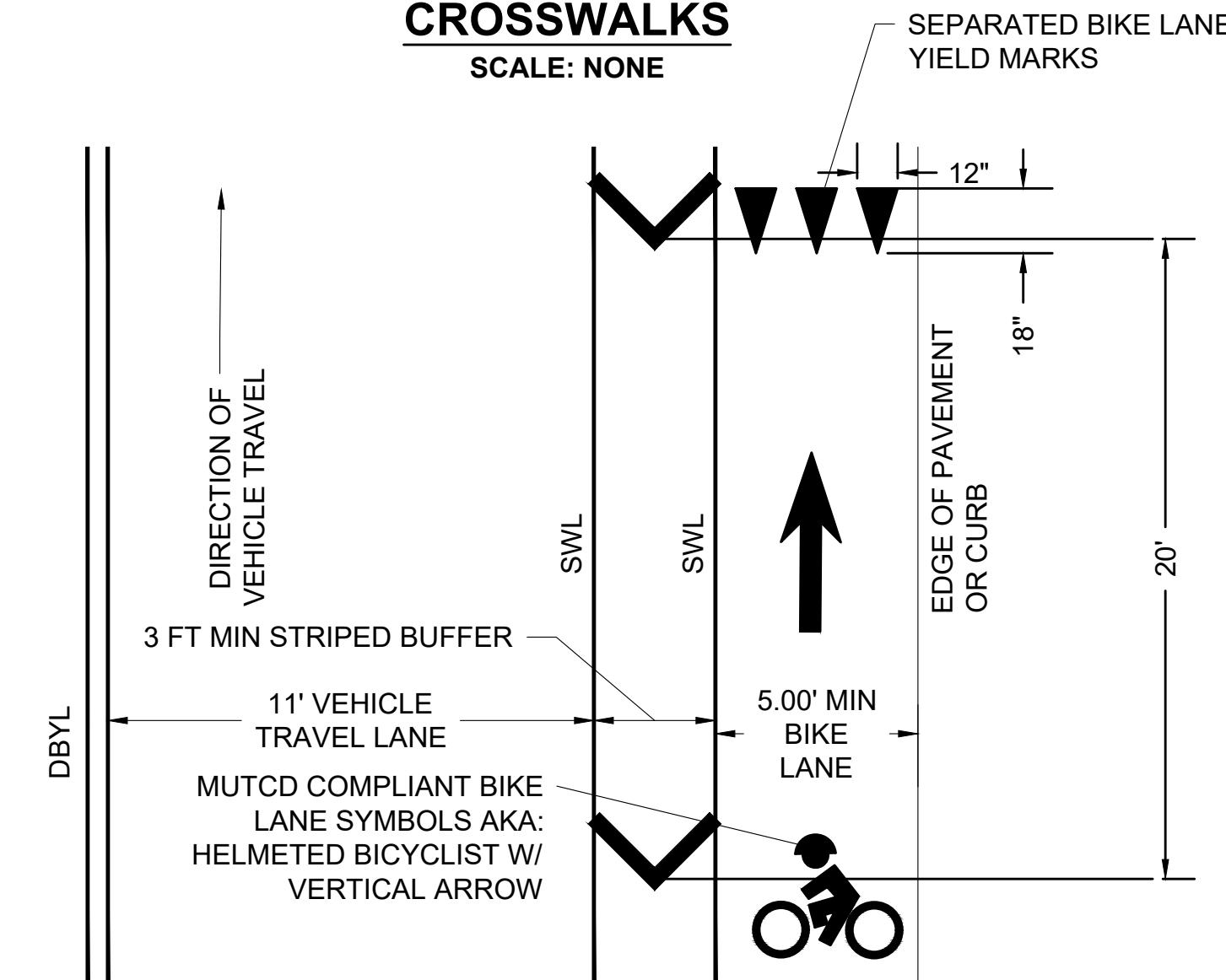
- ALL WARNING, REGULATORY AND ROUTE MARKERS SHALL BE FABRICATED WITH HIGH INTENSITY ENCAPSULATED LENS REFLECTIVE SHEETING (SEE SECTION M9.30.0) TYPE III OR IV.
- ALL SIGNS NOTED AS "(R&R)" SHALL BE MOUNTED ON NEW P5 POSTS OR AS OTHERWISE INDICATED.
- ALL P5 POSTS SHALL BE TELESCOPIC BREAKAWAY RECTANGULAR TYPE POSTS.
- QUANTITIES OF SIGNS SHOWN ON THIS SHEET MAY DIFFER FROM THE PAVEMENT MARKING AND SIGNING PLANS. WHERE DIFFERENCES OCCUR, THE PAVEMENT MARKINGS AND SIGNING PLANS SHALL PREVAIL.



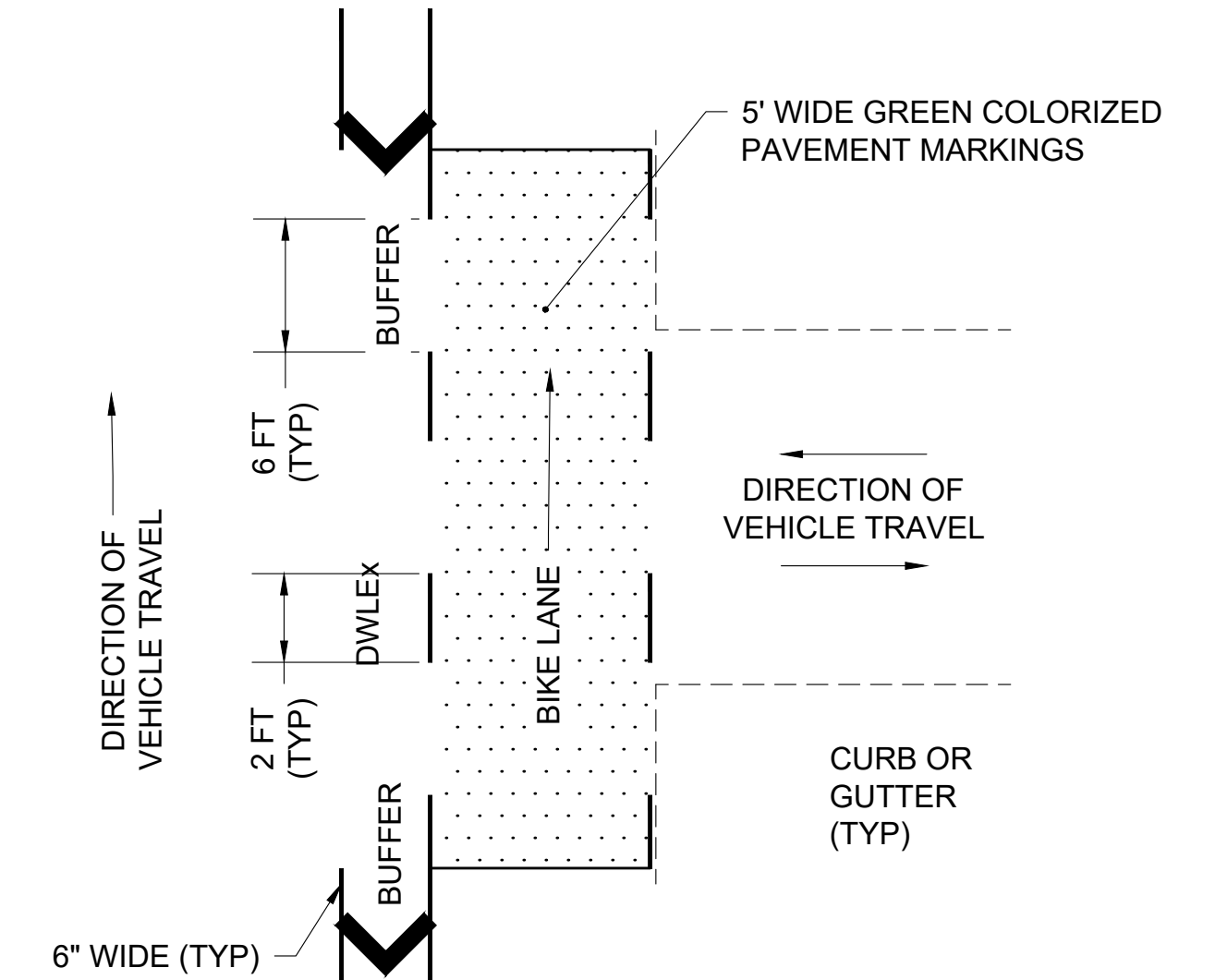
LADDER STYLE MARKINGS FOR CROSSWALKS
SCALE: NONE



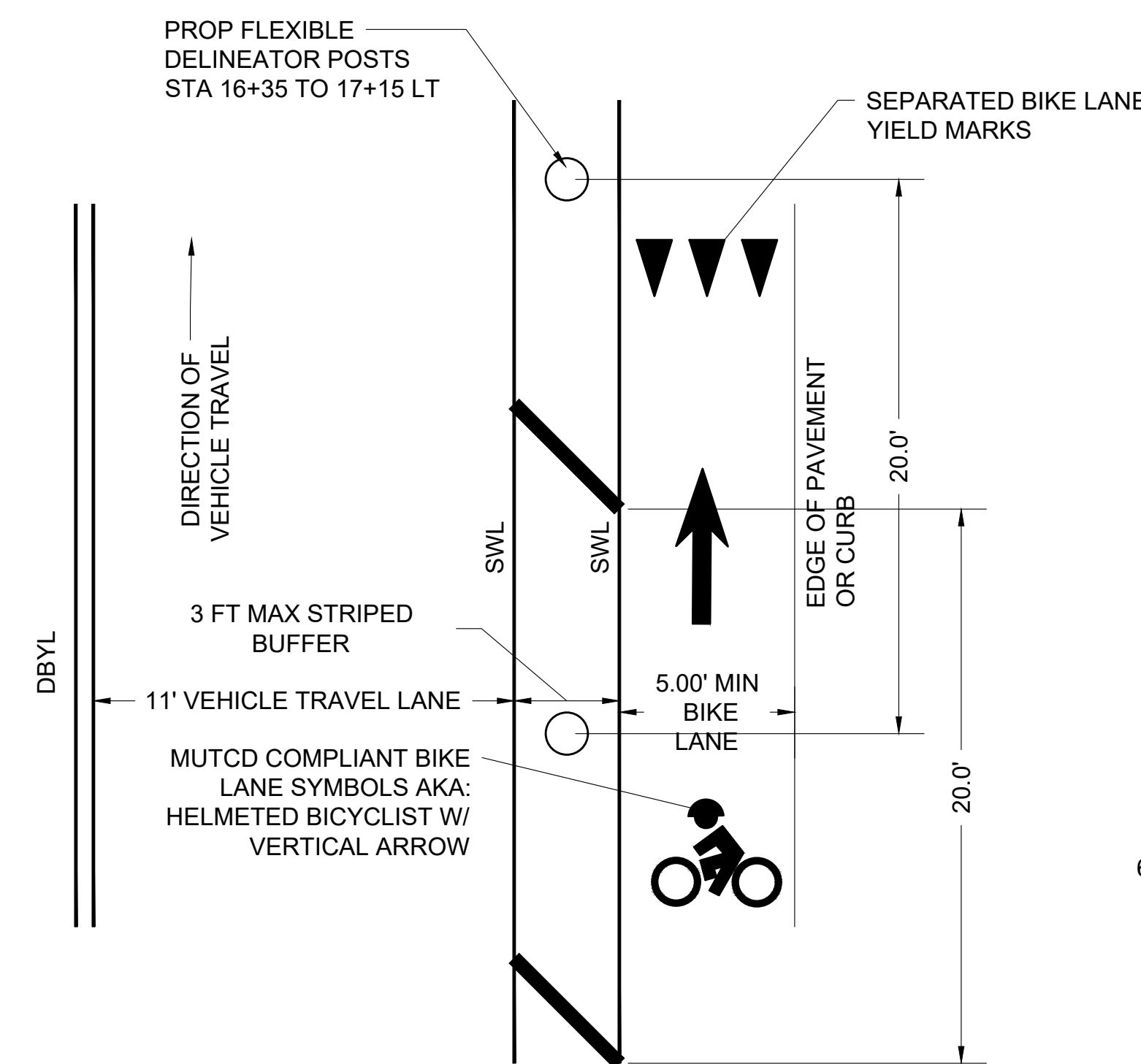
PAVEMENT MARKING TRAFFIC GORE DETAIL
SCALE: NONE



BIKE LANE MARKINGS ADJACENT TO TRAVEL WAY



BIKE LANE MARKINGS THRU INTERSECTION



BIKE LANE PAVEMENT MARKINGS

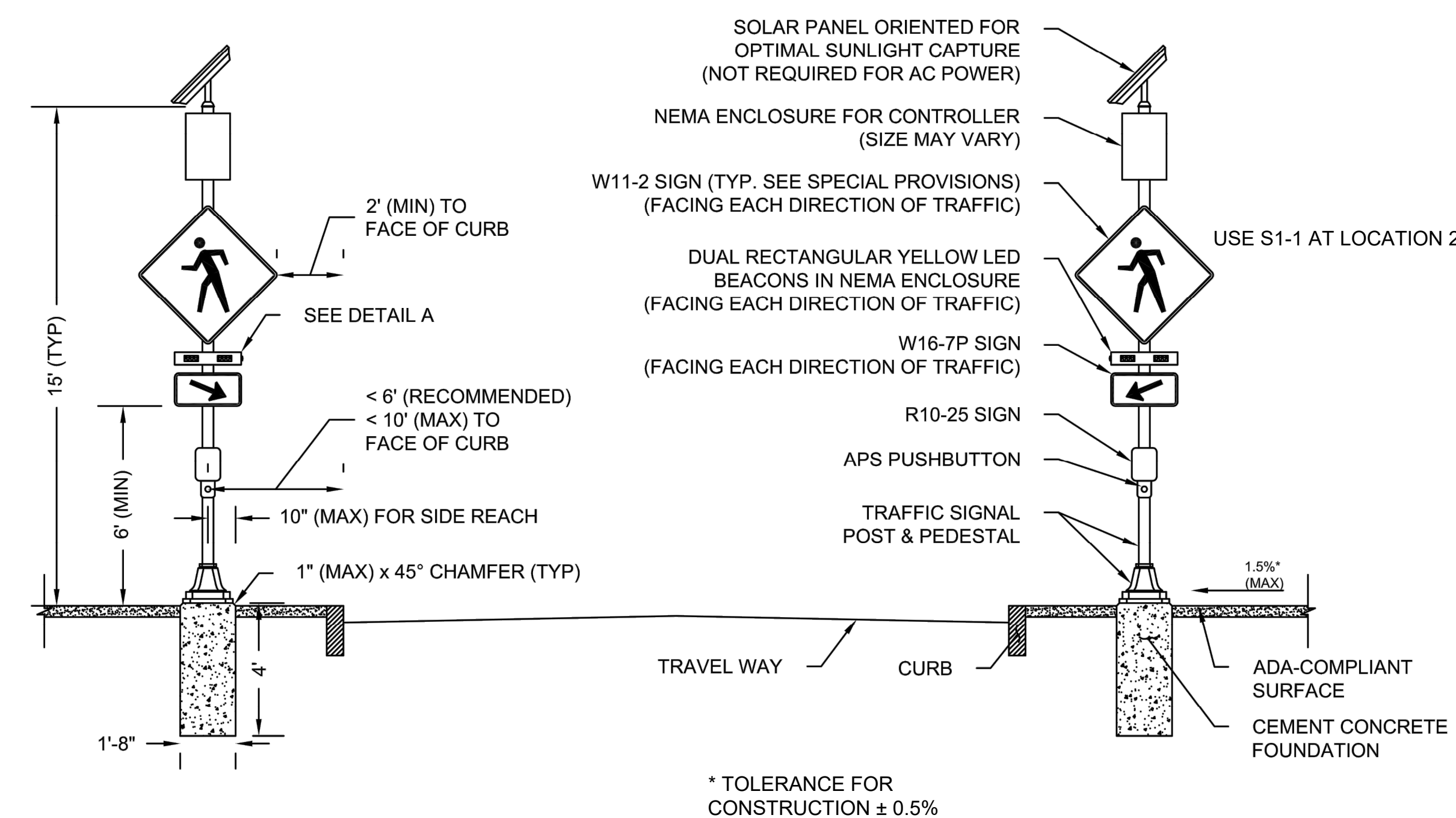
SCALE: NONE

BIKE LANE PAVEMENT MARKINGS NOTES:

- SEE TYPICAL SECTIONS AND SIGN AND PAVEMENT MARKINGS PLANS FOR TRAVEL LANE, STRIPED BUFFER AND BIKE LANE WIDTHS.
- MARK LEFT SIDE OF THE BIKE LANE THROUGH INTERSECTIONS WITH DOTTED WHITE LANE LINE EXTENSION PAVEMENT MARKINGS, 2 FT DASH, 6 FT GAP.
- INSTALL BIKE LANE SYMBOL AND ARROW AT INTERSECTION APPROACHES, AT THE BEGINNING OF THE BIKE LANE, AND AT 1000 FT INTERVALS (MAX).

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	24	48
PROJECT FILE NO.		609518	

TRAFFIC SIGN SUMMARY SHEET



NOTES:

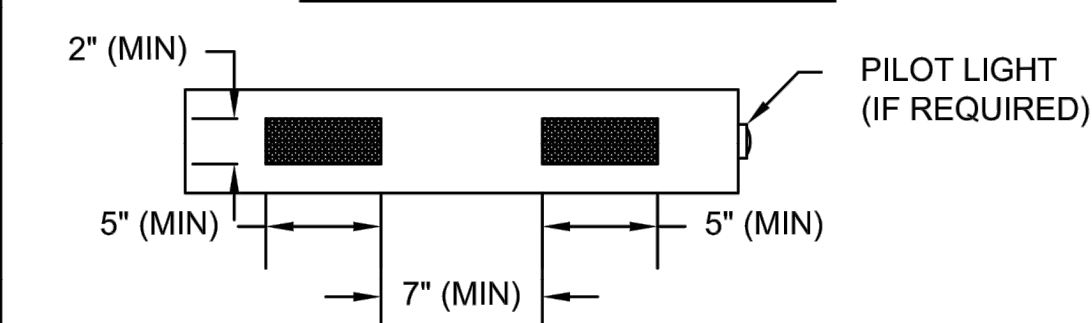
- CROSSWALK AND ADA-COMPLIANT RAMPS NOT SHOWN. SEE PLANS FOR LOCATIONS.
- REFER TO THE SPECIAL PROVISIONS FOR SIGN DIMENSIONS.
- ALL CONDUIT, PULL BOXES, SERVICE CONNECTIONS, AND EQUIPMENT GROUNDING REQUIRED FOR AC POWER IS NOT SHOWN IN THIS DETAIL AND SHALL BE PAID FOR SEPARATELY UNDER THEIR RESPECTIVE PAY ITEMS.
- ACCESS TO ALL PEDESTRIAN ACTUATED CONTROLS SHALL BE ADA/AAB COMPLIANT.
- *0.5% CONSTRUCTION TOLERANCE FOR CROSS-SLOPE.

MAJOR ITEMS LIST **

- 2 CEMENT CONCRETE FOUNDATIONS PER 812.30.1- 4000 PSI, 1.5 INCH, 565 CEM CONC
- 2 15' TRAFFIC SIGNAL POSTS & PEDESTALS
- 2 APS PUSHBUTTON SYSTEMS
- 4 DUAL RECTANGULAR YELLOW LED BEACONS IN NEMA ENCLOSURES
- 2 R10-25 SIGNS
- 4 W11-2 SIGNS & 4 S1-1 SIGNS
- 2 W16-7PR SIGNS
- 2 W16-7PL SIGNS
- 2 SOLAR PANEL SYSTEMS (NOT REQUIRED FOR AC POWER)
- 2 NEMA ENCLOSURES FOR ALL COMPONENTS NEEDED TO MEET FUNCTIONAL REQUIREMENTS PER SPECIAL PROVISIONS
- 2 BATTERY SYSTEMS (NOT REQUIRED FOR AC POWER)

PLUS ALL MOUNTING AND SUPPORTING HARDWARE AND WIRING NECESSARY TO COMPLETE A WORKING SYSTEM.

DETAIL A: DUAL YELLOW BEACON



**SEE SPECIAL PROVISIONS FOR ITEMS 824.221 AND 824.222 FOR UPDATED MAJOR ITEMS LIST.



TRAFFIC & SAFETY STANDARDS
SECTION 824

RECTANGULAR RAPID FLASHING BEACON
(RRFB)

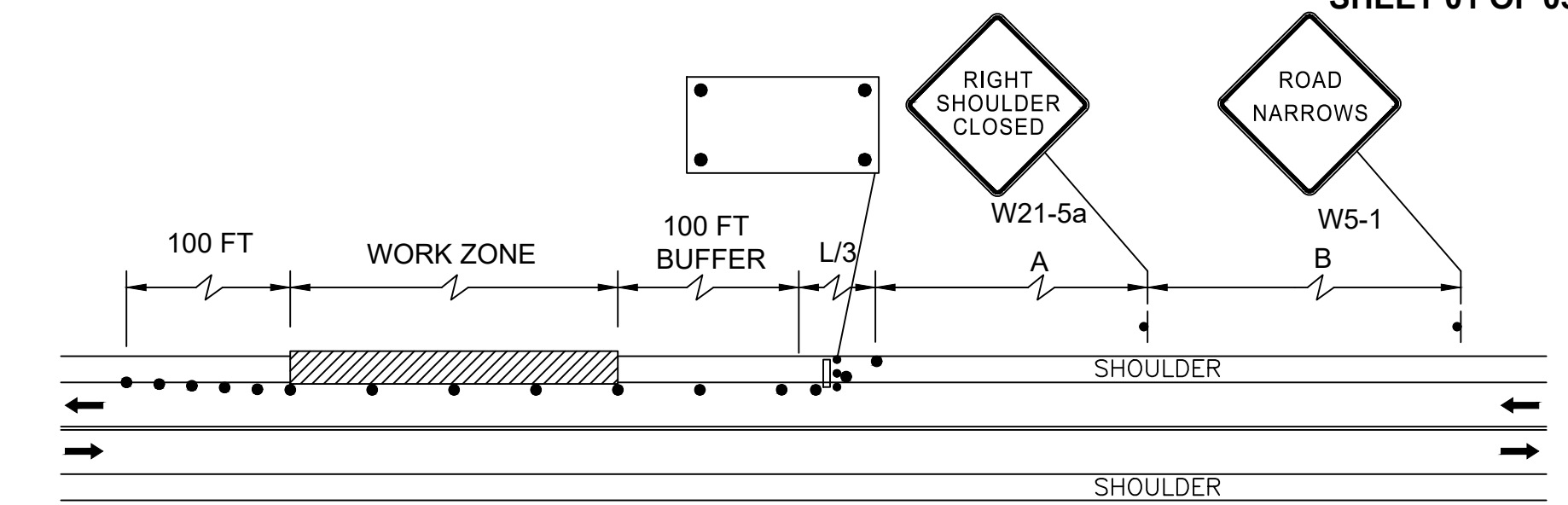
DATE OF ISSUE
APRIL 2018

DRAWING NUMBER
824.21.1

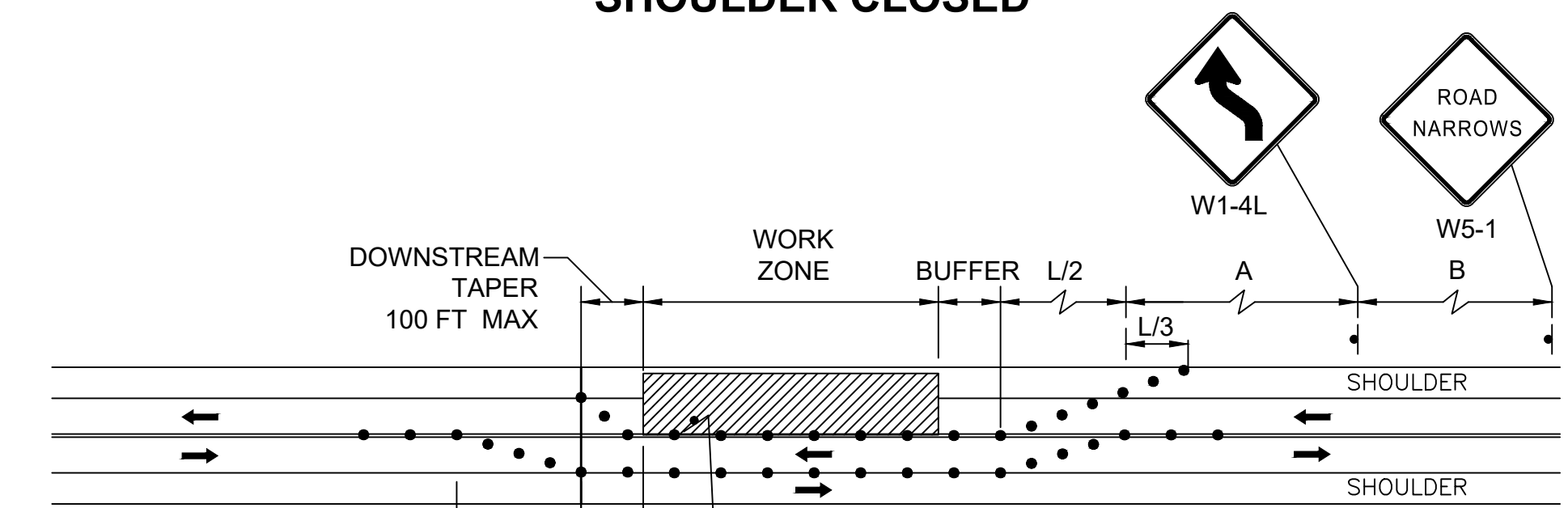
LOCATION: SCONTICUT NECK ROAD				
STATION	MOVEMENT	DISTANCE BETWEEN PUSHBUTTON AND FURTHEST CURB	RRFB WALK TIME (SECS)	PROPOSED RRFB WALK TIME (SECS)
16+12	RRFB	51	14.6	15.0
23+84	RRFB	49	14.0	15.0

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRSS(001)X	25	48
PROJECT FILE NO.		609518	

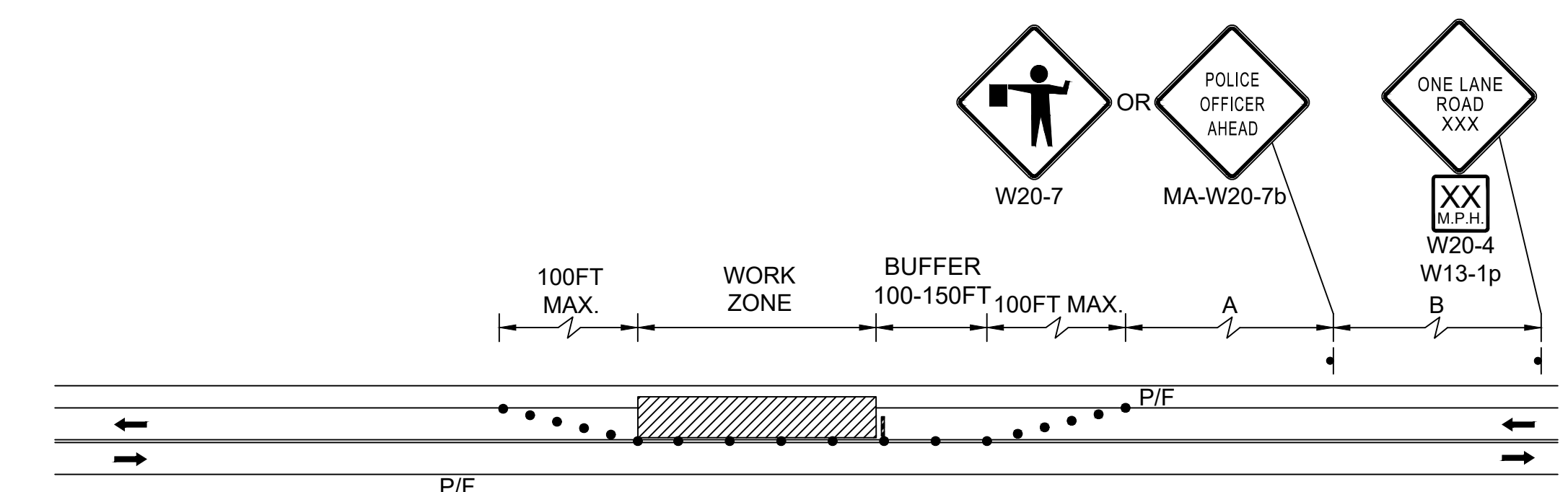
TEMPORARY TRAFFIC CONTROL PLANS
SHEET 01 OF 03



TWO LANE ROAD
SHOULDER CLOSED



TWO LANE ROAD
SHOULDER & TRAVEL
LANE CLOSED



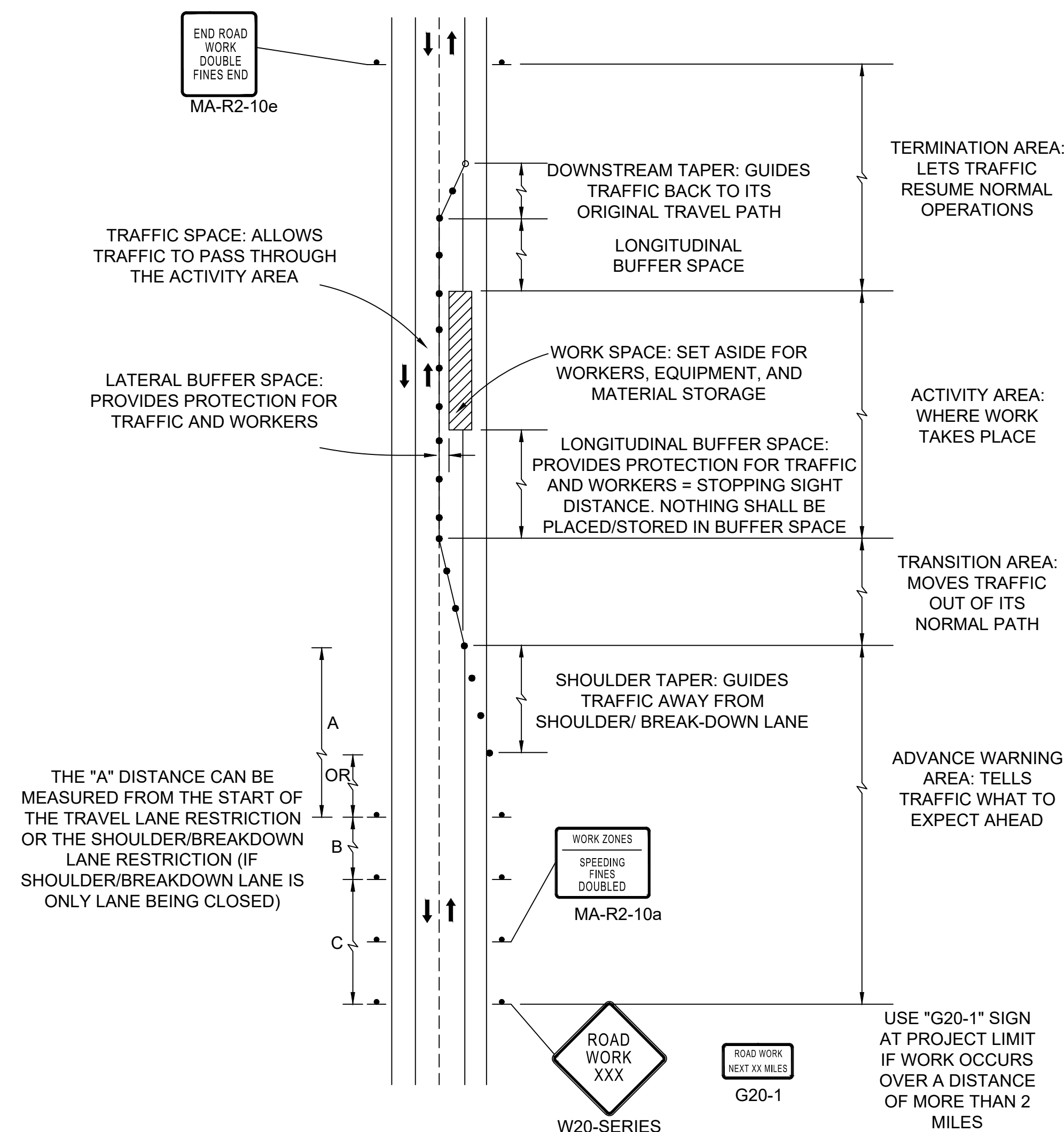
TWO LANE ROAD ONE LANE
ALTERNATING TRAFFIC
(POLICE DETAIL OR FLAGGER)

NOTES:

- ALL TEMPORARY TRAFFIC CONTROL WORK SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND ALL REVISIONS, UNLESS SUPERCEDED BY THESE PLANS.
- ALL SIGN LEGENDS, BORDERS, AND MOUNTING SHALL BE IN ACCORDANCE WITH THE MUTCD.
- TEMPORARY CONSTRUCTION SIGNING AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF ANY WORK.
- 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.
- SIGNS AND SIGN SUPPORTS LOCATED ON OR NEAR THE TRAVELED WAY, CHANNELIZING DEVICES, BARRIERS, AND CRASH ATTENUATORS MUST PASS THE CRITERIA SET FORTH IN NCHRP REPORT 350, "RECOMMENDED PROCEDURES FOR THE SAFETY PERFORMANCE EVALUATION OF HIGHWAY FEATURES" AND/OR "MANUAL FOR ASSESSING SAFETY HARDWARE" (MASH).
- CONTRACTORS SHALL NOTIFY EACH ADBUTTER 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.
- THE FIRST TEN PLASTIC DRUMS OF A TAPER SHALL BE MOUNTED WITH SEQUENTIAL FLASHING LIGHTS.
- THE ADVISORY SPEED LIMIT, IF REQUIRED, SHALL BE DETERMINED BY THE ENGINEER.
- DISTANCES ARE A GUIDE AND MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.
- MAXIMUM SPACING OF TRAFFIC DEVICES IN A TAPER (DRUMS OR CONES) IS EQUAL IN FEET TO THE SPEED LIMIT IN MPH.
- MINIMUM LANE WIDTH IS TO BE 11 FEET UNLESS OTHERWISE SHOWN. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF DRUMS OR MEDIAN BARRIER.
- ALL SIGNS SHALL BE MOUNTED ON THEIR OWN STANDARD SIGN SUPPORTS.

LEGEND:

- REFLECTORIZED PLASTIC DRUM OR 36" CONE
- WORK ZONE
- WORK VEHICLE
- TRUCK MOUNTED ATTENUATOR
- P/F POLICE/FLAGGER DETAIL
- TYPE III BARRICADE
- CHANGEABLE MESSAGE SIGN
- ARROW BOARD
- DIRECTION OF TRAFFIC
- TRAFFIC OR PEDESTRIAN SIGNAL
- SIGN



COMPONENT PARTS OF A TEMPORARY
TRAFFIC CONTROL (TTC) ZONE

SUGGESTED WORK ZONE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS **		
	A	B	C
LOCAL OR LOW VOLUME ROADWAYS	350	350	350
MOST OTHER ROADWAYS	500	500	500
FREEWAYS AND EXPRESSWAYS	1,000	1,500	2,640

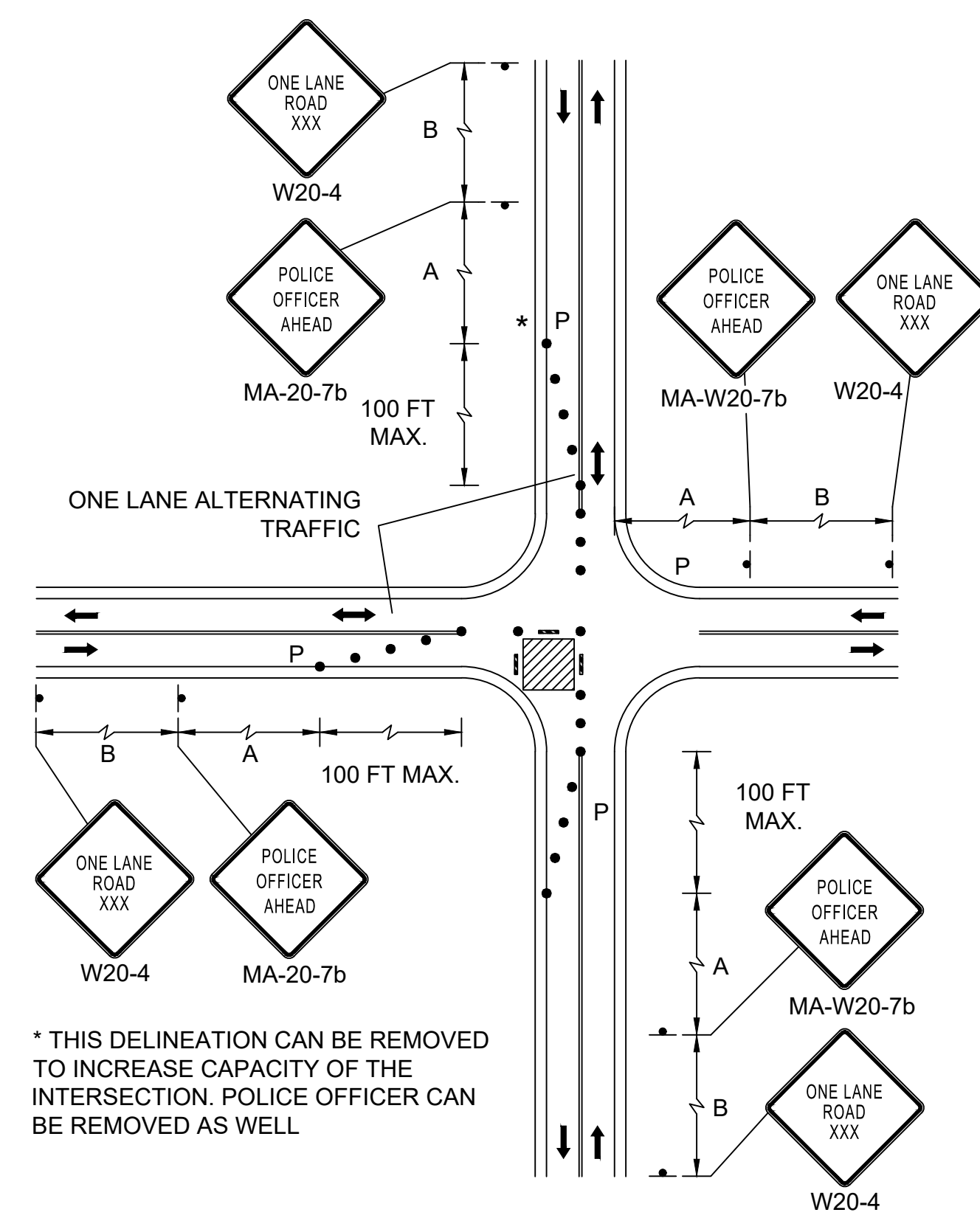
DISTANCES ARE SHOWN IN FEET. THE COLUMN HEADINGS A, B, AND C ARE THE DIMENSIONS SHOWN IN THE DETAIL/TYPICAL SETUP FIGURES. THE A DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN. THE B DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS. THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. (THE "THIRD" SIGN IS THE FIRST ONE TYPICALLY ENCOUNTERED BY A DRIVER APPROACHING A TEMPORARY TRAFFIC CONTROL (TTC) ZONE.)

THE "THIRD" SIGN ABOVE IS TYPICALLY REFERRED TO AS AN "ADVANCE WARNING" SIGN ON THE TTCP SETUPS. THESE ADVANCE WARNING SIGNS ARE LOCATED PRIOR TO THE PROJECT LIMITS ON ALL APPROACHES (I.E. THE W20-1 SERIES (ROAD WORK XX FT) SIGNS), AND USUALLY REMAIN FOR THE DURATION OF THE PROJECT. ADDITIONAL SIGNS (I.E. "RIGHT LANE CLOSED 1 MILE" AND "LEFT LANE CLOSED 1 MILE") HAVE BEEN SHOWN IN SOME FIGURES AS EXAMPLES OF REINFORCEMENT SIGN PLACEMENT BUT ARE USED IN RARE OCCASIONS.

THE FIRST AND SECOND WARNING SIGNS ABOVE ARE REFERRED TO AS THE OPERATIONAL (DAY-TO-DAY) WORK ZONE SIGNS AND MAY BE MOVED DEPENDING ON WHERE THE SPECIFIC ROADWAY WORK FOR THAT DAY IS LOCATED.

MA-R2-10a SIGNS SHALL BE PLACED BETWEEN THE SECOND AND THIRD SIGNS AS DESCRIBED ABOVE.

MA-R2-10a, MA-R2-10e, AND W20-1 SERIES SIGNS ARE TO BE INCLUDED ON ALL DETAILS/TYPICAL SETUPS.



SINGLE LANE APPROACH ONE
QUADRANT CLOSURE
(POLICE DETAIL AT INTERSECTION)

* THIS DELINEATION CAN BE REMOVED TO INCREASE CAPACITY OF THE INTERSECTION. POLICE OFFICER CAN BE REMOVED AS WELL

**FAIRHAVEN
SCONTICUT NECK ROAD**

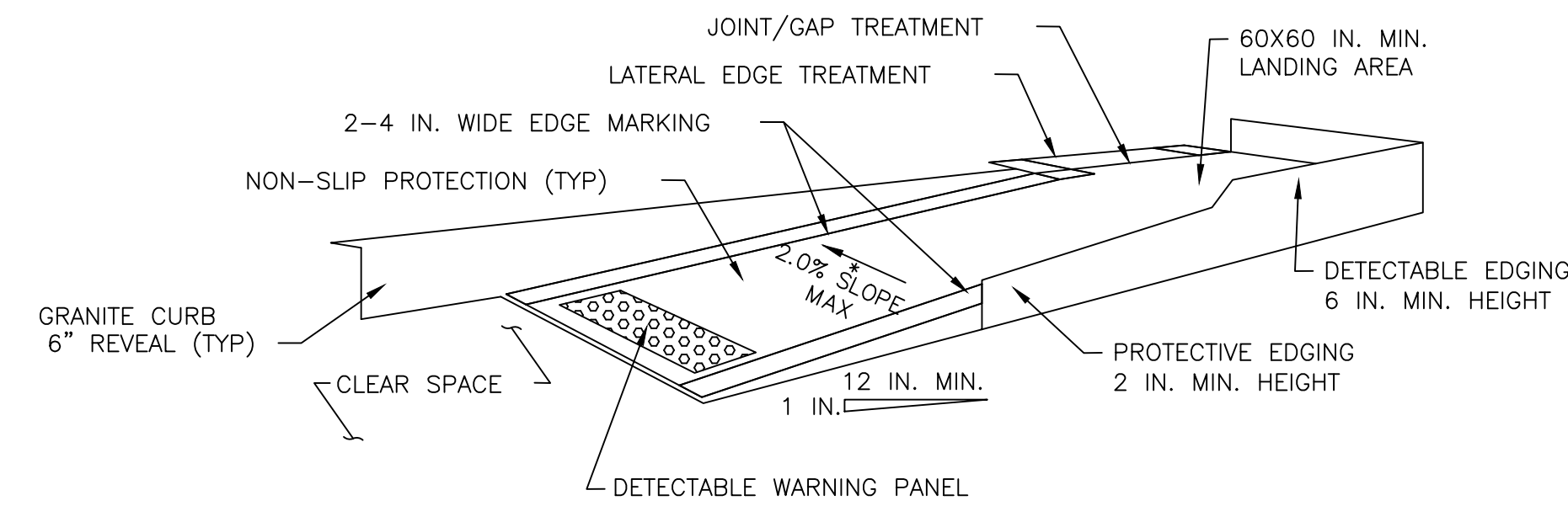
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRSS(001)X	26	48
PROJECT FILE NO.		609518	

**TEMPORARY TRAFFIC CONTROL PLANS
SHEET 02 OF 03**

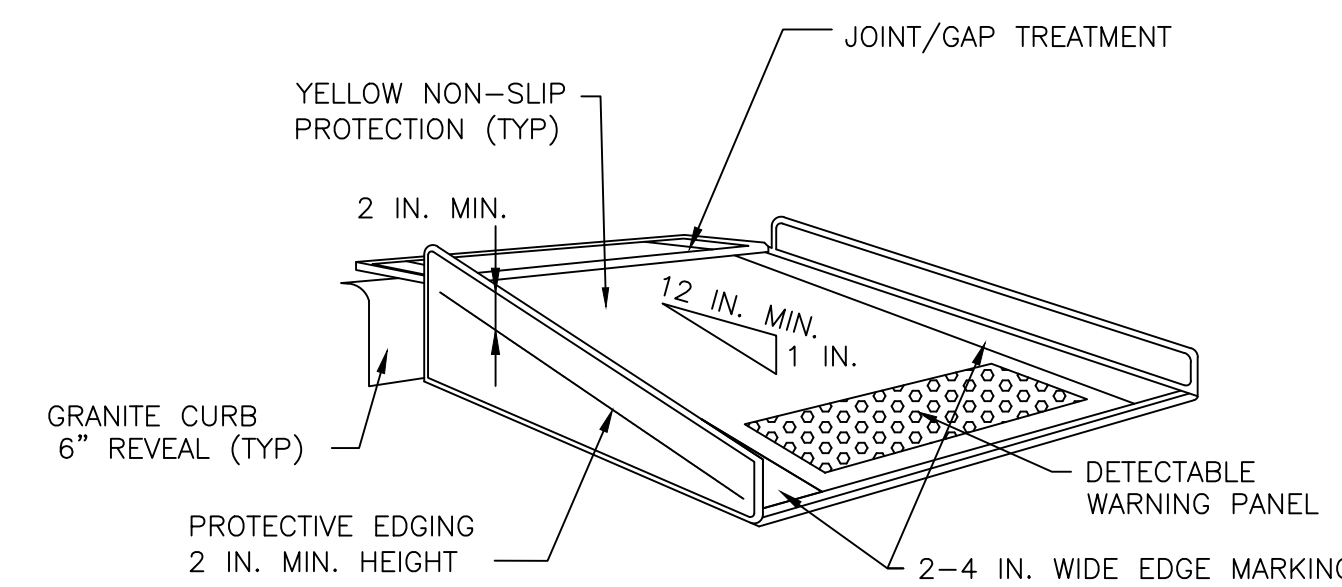
DETAIL IS TO BE USED IN CONJUNCTION WITH THE PROPOSED LANE CLOSURE DETAILS AND DURING CONSTRUCTION STAGING, AS DIRECTED BY THE ENGINEER. ADJUSTMENTS TO SIGNING AND DELINEATION MAY BE REQUIRED.

NOTES:

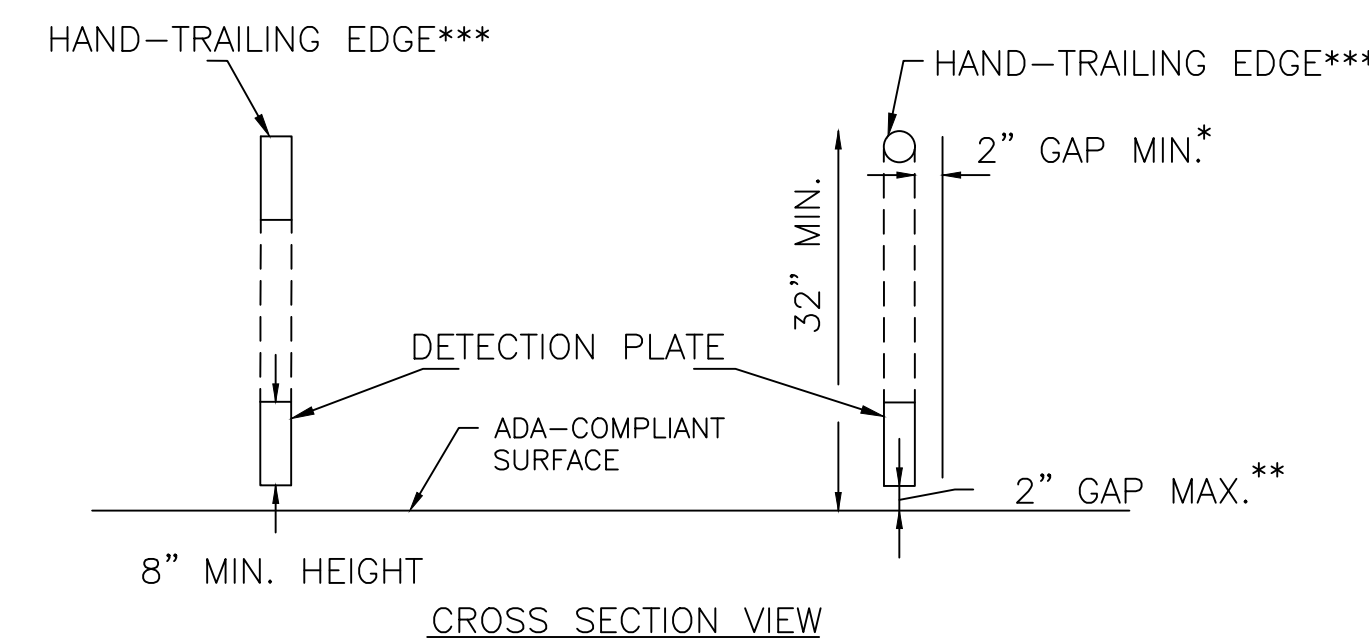
- CURB RAMP SHALL BE 60 IN. MINIMUM WIDTH WITH A FIRM, STABLE AND NON-SLIP SURFACE.
- PROTECTIVE EDGING WITH A 2 IN. MINIMUM HEIGHT SHALL BE INSTALLED WHEN THE CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6 IN. OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN THE CURB RAMP OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3 IN. OR MORE.
- DETECTABLE EDGING WITH 6 IN. MINIMUM HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
- THE CURB RAMP WALKWAY AND LANDING AREA SURFACE SHALL BE OF A SOLID CONTINUOUS CONTRASTING COLOR ABUTTING UP TO THE EXISTING SIDEWALK.
- CURB RAMP AND LANDINGS SHOULD HAVE A 1:50 (2%) MAX CROSS SLOPE.
- CLEAR SPACE OF 48x48 IN. MINIMUM SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
- WATER FLOW IN THE GUTTER SYSTEM SHALL HAVE MINIMAL RESTRICTION.
- LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 0.5 IN. WIDTH.
- CHANGES BETWEEN SURFACE HEIGHTS SHOULD NOT EXCEED 0.5 IN. LATERAL EDGES SHOULD BE VERTICAL UP TO 0.25 IN. HIGH, AND BEVELED AT 1:2 BETWEEN 0.25 IN. AND 0.5 IN. HEIGHT.
- IF A TEMPORARY PEDESTRIAN RAMP LEADS TO A CROSSWALK, THEN A DETECTABLE WARNING PAD MUST BE ADHERED TO THE BASE OF THE RAMP. IF IT LEADS TO A PROTECTED PEDESTRIAN BYPASS THAT DOES NOT CONFLICT WITH VEHICULAR TRAFFIC, THEN A PAD SHALL NOT BE INSTALLED ON THE RAMP.



**TEMPORARY PEDESTRIAN CURB RAMP
PARALLEL TO CURB**



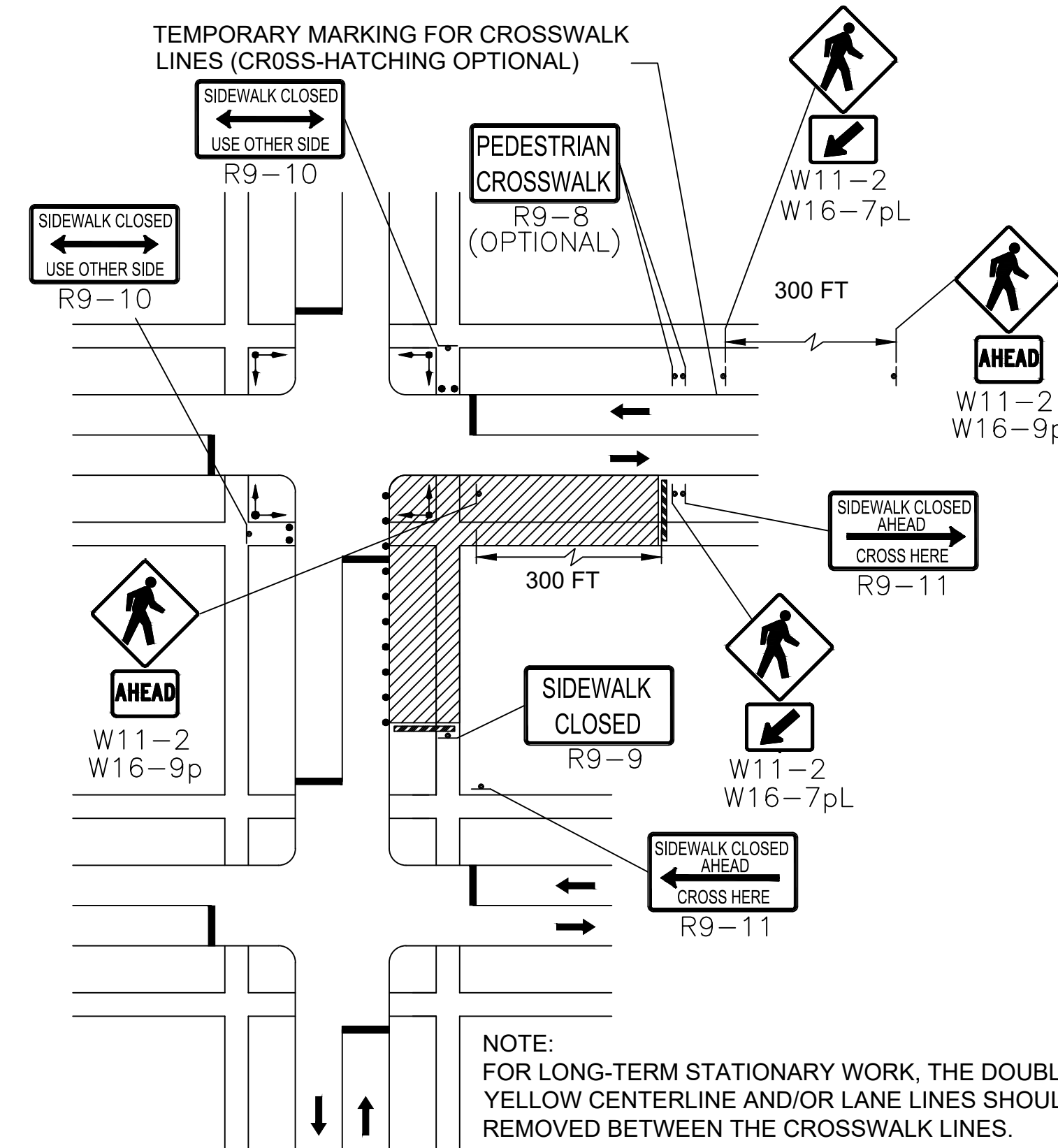
**TEMPORARY PEDESTRIAN CURB RAMP
PERPENDICULAR TO CURB**



TEMPORARY PEDESTRIAN BARRICADE

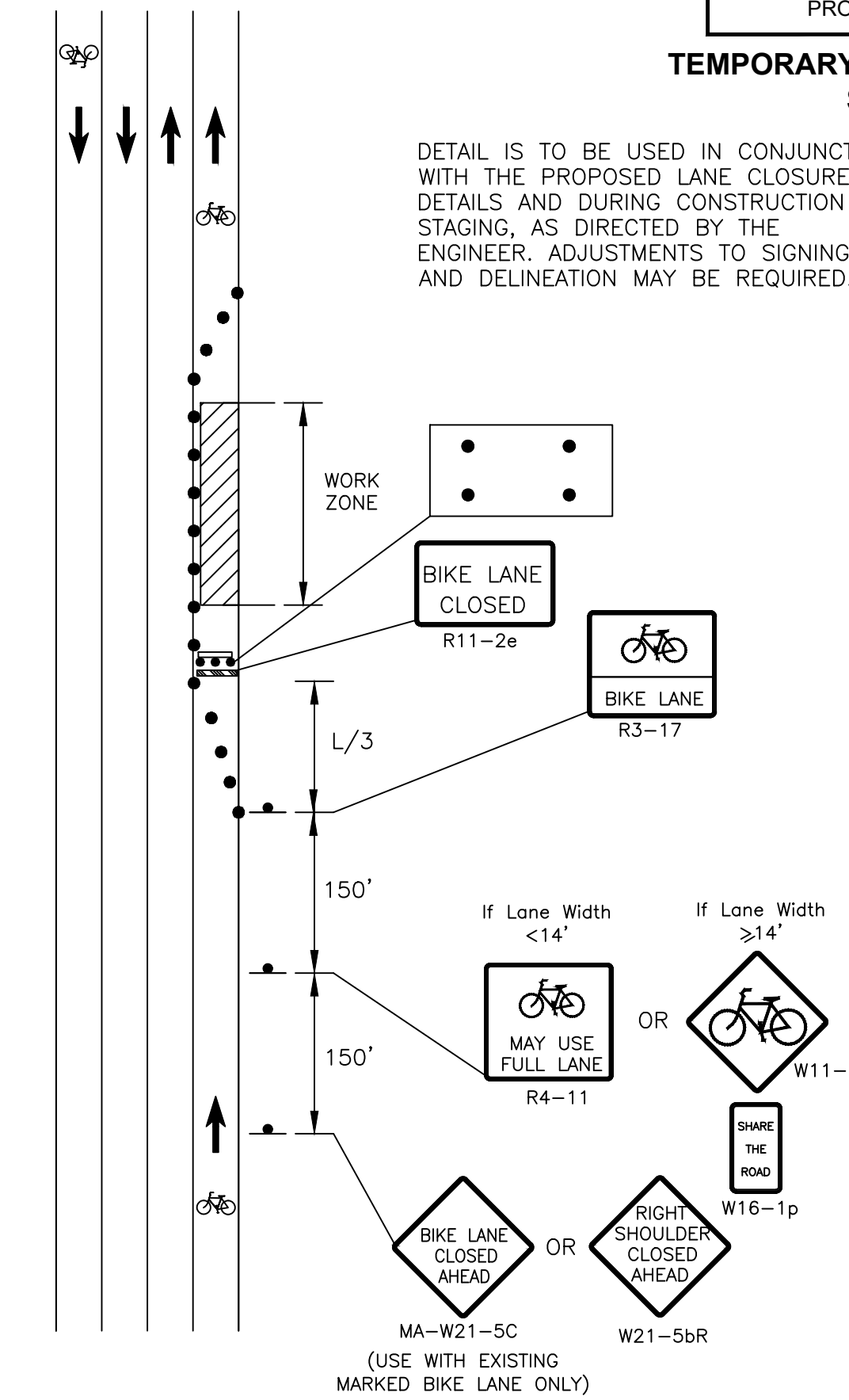
NOTES:

- * THERE SHALL BE A 2 INCH GAP BETWEEN THE HAND-TRAILING EDGE AND ITS SUPPORT.
- ** A MAXIMUM 2 INCH GAP BETWEEN THE BOTTOM OF THE BOTTOM RAIL AND THE SURFACE MAY BE USED TO PROVIDE DRAINAGE.
- *** THE HAND-TRAILING EDGE AND DETECTION PLATE SHALL BE CONTINUOUS THROUGHOUT THE LENGTH OF THE PATH SUCH THAT A PEDESTRIAN USER WITH A LONG CANE CAN FOLLOW IT.

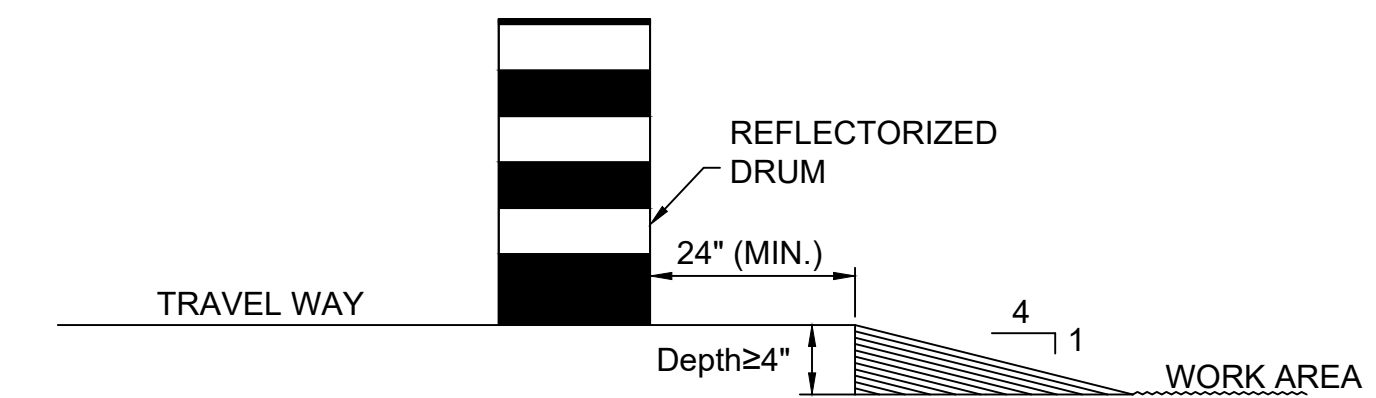


PEDESTRIAN DETOUR

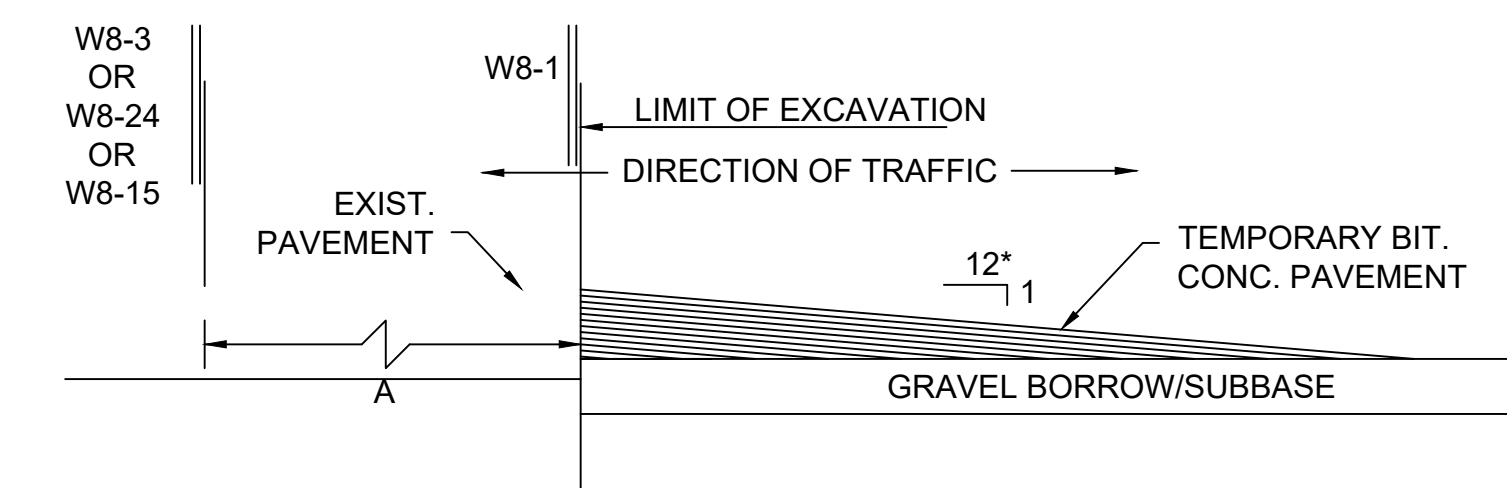
NOTE:
FOR LONG-TERM STATIONARY WORK, THE DOUBLE YELLOW CENTERLINE AND/OR LANE LINES SHOULD BE REMOVED BETWEEN THE CROSSWALK LINES.



**BICYCLE LANE CLOSURE
WITHOUT DETOUR**



**LATERAL DROP-OFF DETAIL
NOT TO SCALE**



**LONGITUDINAL DROP-OFF DETAIL
NOT TO SCALE**

* - INCREASE SLOPE RATIO FOR HIGHER SPEEDS

**LATERAL AND LONGITUDINAL
DROP-OFF DETAILS
SCALE: NONE**

TEMPORARY TRAFFIC CONTROL SIGN SUMMARY

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSION (in)			NUMBER OF SIGNS REQ'D	COLOR			UNIT AREA (sq. ft)	TOTAL AREA (sq. ft)
	WIDTH (IN)	HEIGHT (IN)		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE MKR		BACK-GROUND	LEGEND	BORDER		
R9-8 (OPTIONAL)	36	18	PEDESTRIAN CROSSWALK	MUTCD STD	MUTCD STD	MUTCD STD	5	WHITE	BLACK	BLACK	4.50	22.50
R9-9	24	12	SIDEWALK CLOSED				5	WHITE	BLACK	BLACK	2.00	10.00
R9-10	24	12	SIDEWALK CLOSED USE OTHER SIDE				5	WHITE	BLACK	BLACK	2.00	10.00
R9-11aL	24	12	SIDEWALK CLOSED CROSS HERE				5	WHITE	BLACK	BLACK	2.00	10.00
R9-11aR	24	12	SIDEWALK CLOSED CROSS HERE				5	WHITE	BLACK	BLACK	2.00	10.00
W1-4R	36	36					2	FLUO-RESCENT ORANGE	BLACK	BLACK	9.00	18.00
W1-4L	36	36					2	FLUO-RESCENT ORANGE	BLACK	BLACK	9.00	18.00
W5-1	36	36	ROAD NARROWS				2	FLUO-RESCENT ORANGE	BLACK	BLACK	9.00	18.00
W8-1	36	36	BUMP				5	FLUO-RESCENT ORANGE	BLACK	BLACK	9.00	45.00
W8-3	36	36	PAVEMENT ENDS				5	FLUO-RESCENT ORANGE	BLACK	BLACK	9.00	45.00
W8-8	36	36	ROUGH ROAD				5	FLUO-RESCENT ORANGE	BLACK	BLACK	9.00	45.00
W11-2	36	36					5	FLUO-RESCENT YELLOW GREEN	BLACK	BLACK	9.00	45.00
W16-9p	24	12	AHEAD				5	FLUO-RESCENT YELLOW GREEN	BLACK	BLACK	2.00	10.00
W16-7pL	24	12					5	FLUO-RESCENT YELLOW GREEN	BLACK	BLACK	2.00	10.00

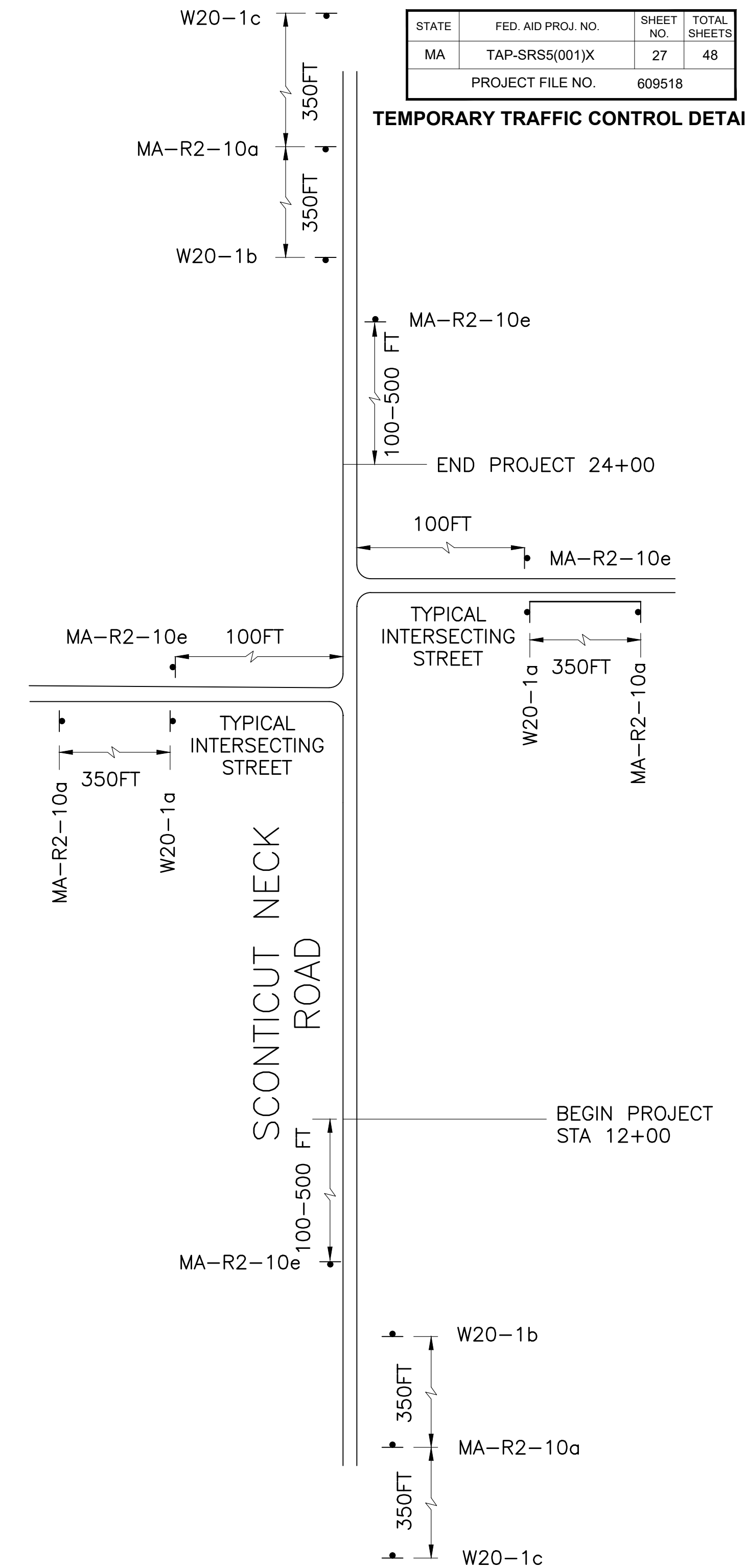
IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSION (in)			NUMBER OF SIGNS REQ'D	COLOR			UNIT AREA (sq. ft)	TOTAL AREA (sq. ft)
	WIDTH (IN)	HEIGHT (IN)		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE MKR		BACK-GROUND	LEGEND	BORDER		
MA-W20-7b OR W20-7	36	36		MUTCD STD	MUTCD STD	MUTCD STD	5	FLUO-RESCENT ORANGE	BLACK	BLACK	9.00	45.00
	36	36					5	FLUO-RESCENT ORANGE	BLACK	BLACK	9.00	45.00
W20-4	36	36	ONE LANE ROAD 1000 FT	MASS DOT STD	MASS DOT STD	MASS DOT STD	5	FLUO-RESCENT ORANGE	BLACK	BLACK	9.00	45.00
W21-5a	36	36	RIGHT SHOULDER CLOSED	MUTCD STD	MUTCD STD	MUTCD STD	2	FLUO-RESCENT ORANGE	BLACK	BLACK	9.00	18.00
MA-R2-10a	48	36	WORK ZONE SPEEDING FINES DOUBLED	MASS DOT STD	MASS DOT STD	MASS DOT STD	5	FLUO-RESCENT ORANGE & WHITE	BLACK	BLACK	12.00	60.00
MA-R2-10e	36	48	END ROAD WORK DOUBLE FINES END	MASS DOT STD	MASS DOT STD	MASS DOT STD	5	FLUO-RESCENT ORANGE & WHITE	BLACK	BLACK	12.00	60.00
W20-1a	36	36	ROAD WORK AHEAD	MUTCD STD	MUTCD STD	MUTCD STD	3	FLUO-RESCENT ORANGE	BLACK	BLACK	9.00	27.00
W20-1b	36	36	ROAD WORK BBB FT				5 WITH "500"	FLUO-RESCENT ORANGE	BLACK	BLACK	9.00	45.00
W20-1c	36	36	ROAD WORK CCC FT				5 WITH "1000"	FLUO-RESCENT ORANGE	BLACK	BLACK	9.00	45.00
R3-17	30	24					2	WHITE	BLACK	BLACK	5.00	10.00
R4-11	30	30					2	WHITE	BLACK	BLACK	6.25	12.50
W21-5bR	36	36	RIGHT SHOULDER CLOSED AHEAD				2	FLUO-RESCENT ORANGE	BLACK	BLACK	9.00	18.00
R11-2e	48	30	BIKE LANE CLOSED				2	WHITE	BLACK	BLACK	10.00	20.00
W13-1P	24	24	XX MPH				2	FLUO-RESCENT ORANGE	BLACK	BLACK	2.25	4.50

TOTAL AREA = 771.50 SQ. FT.

FAIRHAVEN
SCONTICUT NECK ROAD

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRSS(001)X	27	48
PROJECT FILE NO.		609518	

TEMPORARY TRAFFIC CONTROL DETAILS



PERMANENT PROJECT
CONSTRUCTION SIGNING
NOT TO SCALE

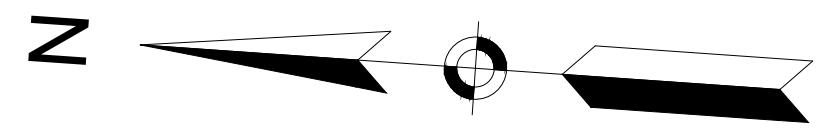
- NOTES:
1. ALL WARNING, REGULATORY AND ROUTE MARKERS SHALL BE FABRICATED WITH HIGH INTENSITY ENCAPSULATED LENS REFLECTIVE SHEETING (SEE SECTION M9.30.0) TYPE III OR IV.
 2. ALL SIGNS NOTED AS "(R&R)" SHALL BE MOUNTED ON NEW POSTS OR AS OTHERWISE INDICATED.
 3. QUANTITIES OF SIGNS SHOWN ON THIS SHEET MAY DIFFER FROM THE PAVEMENT MARKING AND SIGNING PLANS. WHERE DIFFERENCES OCCUR, THE PAVEMENT MARKINGS AND SIGNING PLANS SHALL PREVAIL.
 4. SEE 2012 SUPPLEMENT TO THE 2004 EDITION OF "STANDARD HIGHWAY SIGNS", MASSDOT STANDARD SIGNS BOOK LATEST REVISIONS FOR TEXT DIMENSIONS, AS AMENDED.

**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	28	48

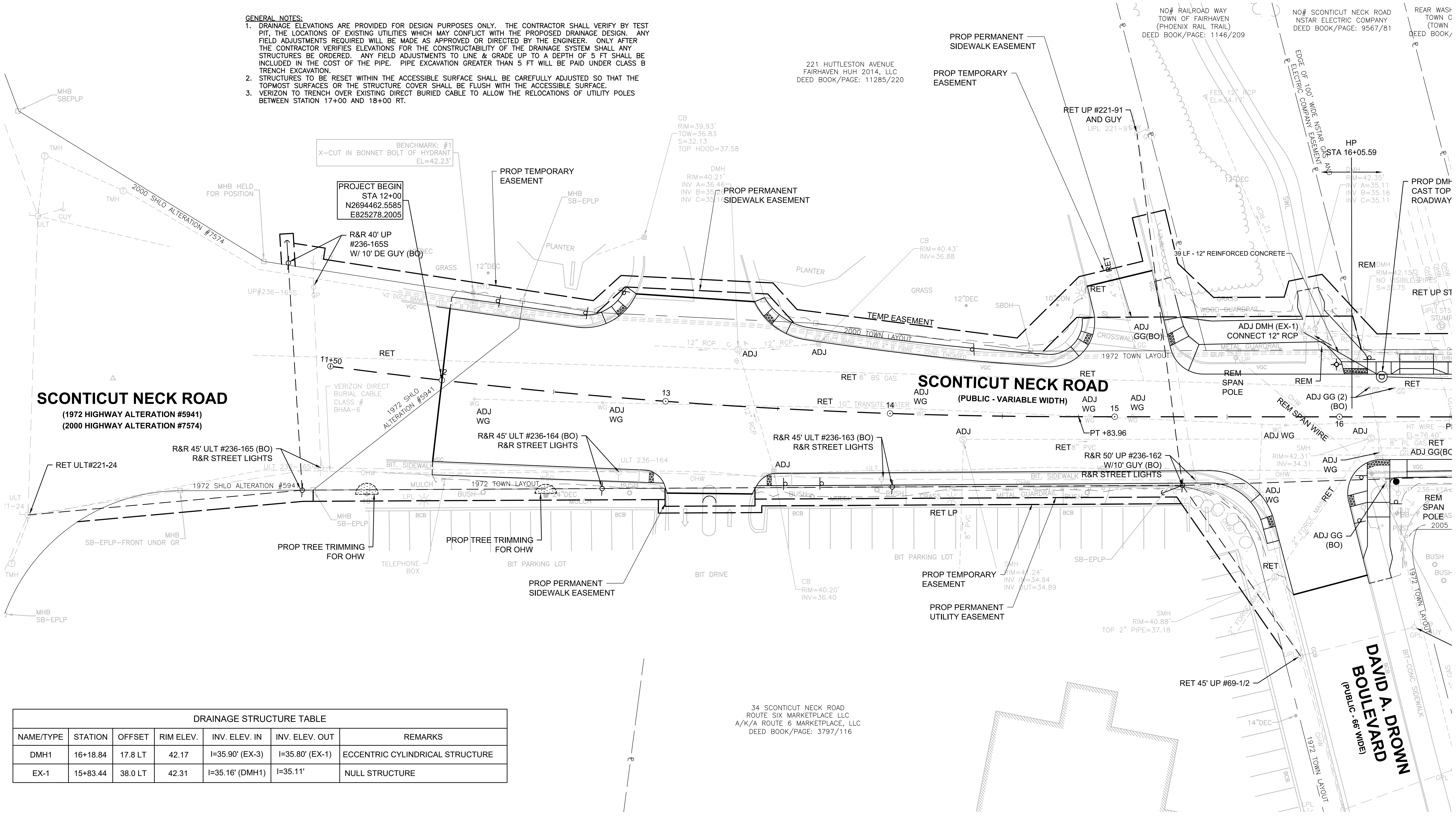
**UTILITY PLANS
SHEET 01 OF 04**

NO# RAILROAD WAY TOWN OF FAIRHAVEN (PHOENIX RAIL TRAIL) DEED BOOK/PAGE: 1146/209
 NO# SCONTICUT NECK ROAD NSTAR ELECTRIC COMPANY DEED BOOK/PAGE: 9567/81
 REAR WASH TOWN C (TOWN DEED BOOK/



- GENERAL NOTES:**
- DRAINAGE ELEVATIONS ARE PROVIDED FOR DESIGN PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY BY TEST PIT, THE LOCATIONS OF EXISTING UTILITIES WHICH MAY CONFLICT WITH THE PROPOSED DRAINAGE DESIGN. ANY FIELD ADJUSTMENTS REQUIRED WILL BE MADE AS APPROVED OR DIRECTED BY THE ENGINEER. ONLY AFTER THE CONTRACTOR VERIFIES ELEVATIONS FOR THE CONSTRUCTABILITY OF THE DRAINAGE SYSTEM SHALL ANY STRUCTURES BE ORDERED. ANY FIELD ADJUSTMENTS TO LINE & GRADE UP TO A DEPTH OF 5 FT SHALL BE INCLUDED IN THE COST OF THE PIPE. PIPE EXCAVATION GREATER THAN 5 FT WILL BE PAID UNDER CLASS B TRENCH EXCAVATION.
 - STRUCTURES TO BE RESET WITHIN THE ACCESSIBLE SURFACE SHALL BE CAREFULLY ADJUSTED SO THAT THE TOPMOST SURFACES OR THE STRUCTURE COVER SHALL BE FLUSH WITH THE ACCESSIBLE SURFACE.
 - VERTIZON TO TRENCH OVER EXISTING DIRECT BURIED CABLE TO ALLOW THE RELOCATIONS OF UTILITY POLES BETWEEN STATION 17+00 AND 18+00 RT.

221 HUTTLESTON AVENUE
 FAIRHAVEN HUH 2014, LLC
 DEED BOOK/PAGE: 11285/220



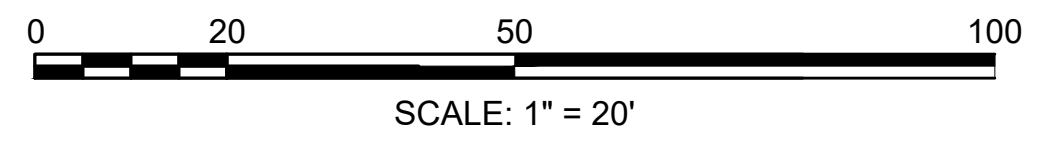
SCONTICUT NECK ROAD
 (1972 HIGHWAY ALTERATION #5941)
 (2000 HIGHWAY ALTERATION #7574)

SCONTICUT NECK ROAD
 (PUBLIC - VARIABLE WIDTH)

**DAVID A. DROWN
 BOULEVARD**
 (PUBLIC - 66' WIDE)

NAME/TYPE	STATION	OFFSET	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
DMH1	16+18.84	17.8 LT	42.17	I=35.90' (EX-3)	I=35.80' (EX-1)	ECCENTRIC CYLINDRICAL STRUCTURE
EX-1	15+83.44	38.0 LT	42.31	I=35.16' (DMH1)	I=35.11'	NULL STRUCTURE

34 SCONTICUT NECK ROAD
 ROUTE SIX MARKETPLACE LLC
 A/K/A ROUTE 6 MARKETPLACE, LLC
 DEED BOOK/PAGE: 3797/116

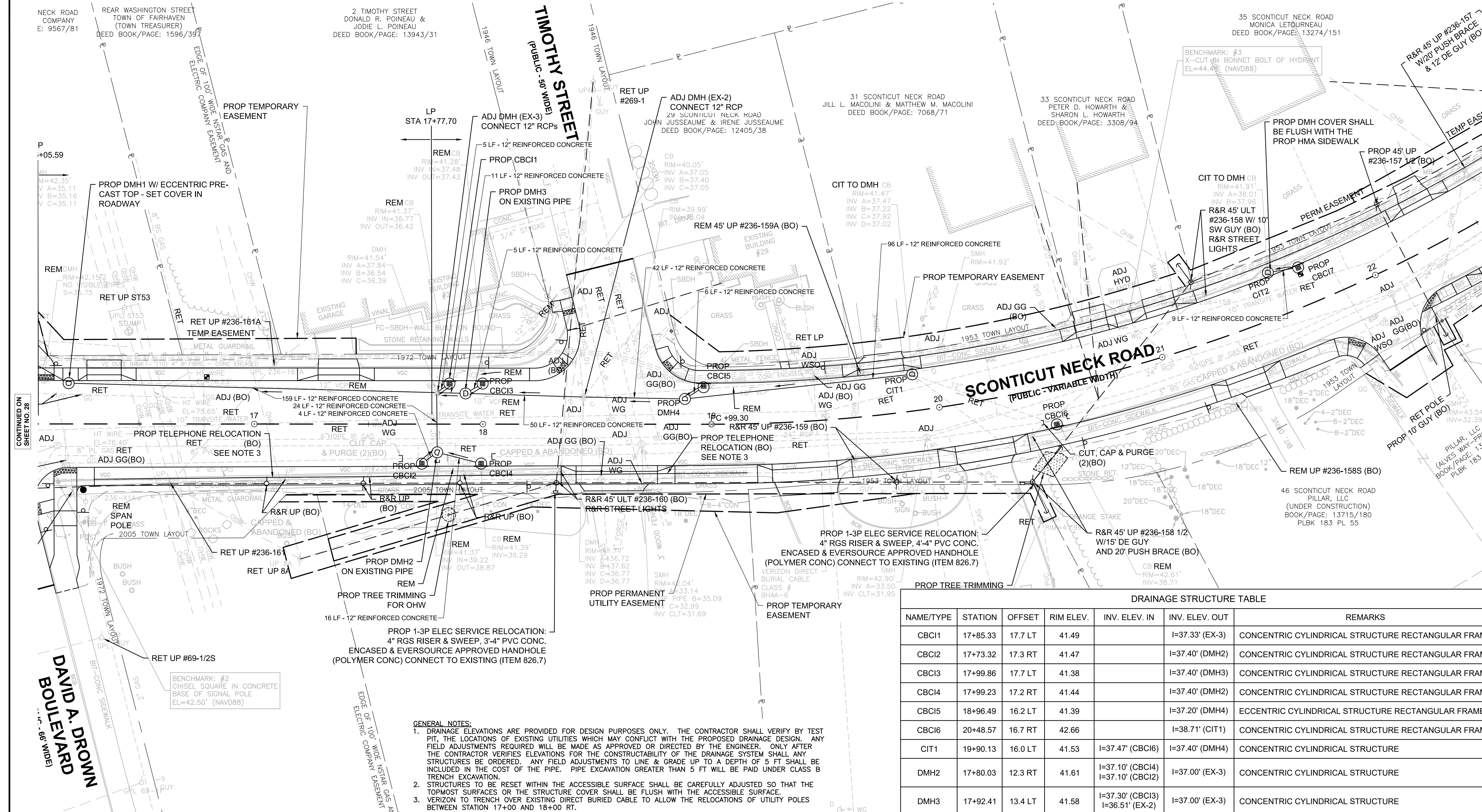
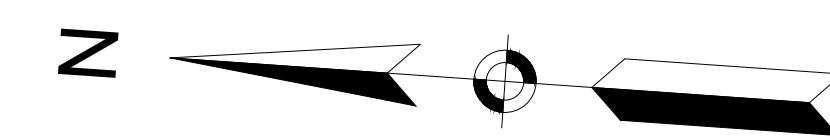


CONTINUED ON SHEET NO. 28

**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	29	48
PROJECT FILE NO.		609518	

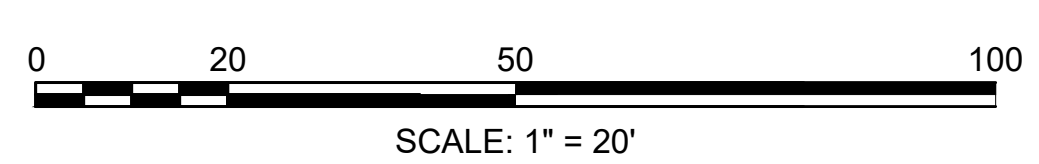
**UTILITY PLANS
SHEET 02 OF 04**



CONTINUED ON SHEET NO. 28

CONTINUED ON SHEET NO. 30

- GENERAL NOTES:**
- DRAINAGE ELEVATIONS ARE PROVIDED FOR DESIGN PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY BY TEST PIT. THE LOCATIONS OF EXISTING UTILITIES WHICH MAY CONFLICT WITH THE PROPOSED DRAINAGE DESIGN, ANY FIELD ADJUSTMENTS REQUIRED WILL BE MADE AS APPROVED OR DIRECTED BY THE ENGINEER. ONLY AFTER THE CONTRACTOR VERIFIES ELEVATIONS FOR THE CONSTRUCTABILITY OF THE DRAINAGE SYSTEM SHALL ANY STRUCTURES BE ORDERED. ANY FIELD ADJUSTMENTS TO LINE & GRADE UP TO A DEPTH OF 5 FT SHALL BE INCLUDED IN THE COST OF THE PIPE. PIPE EXCAVATION GREATER THAN 5 FT WILL BE PAID UNDER CLASS B TRENCH EXCAVATION.
 - STRUCTURES TO BE RESET WITHIN THE ACCESSIBLE SURFACE SHALL BE CAREFULLY ADJUSTED SO THAT THE TOPMOST SURFACES OR THE STRUCTURE COVER SHALL BE FLUSH WITH THE ACCESSIBLE SURFACE.
 - VERTIZON TO TRENCH OVER EXISTING DIRECT BURIED CABLE TO ALLOW THE RELOCATIONS OF UTILITY POLES BETWEEN STATION 17+00 AND 18+00 RT.

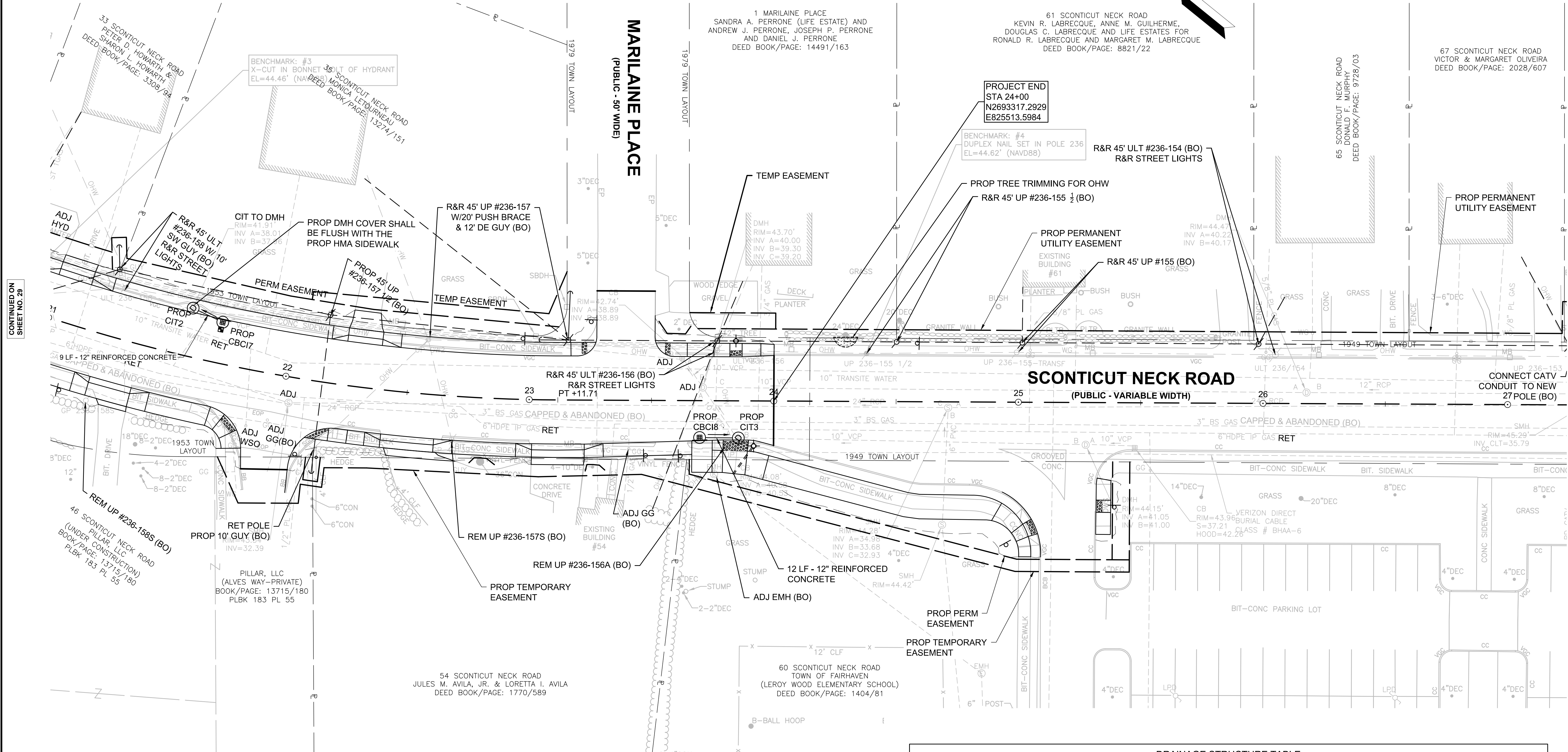
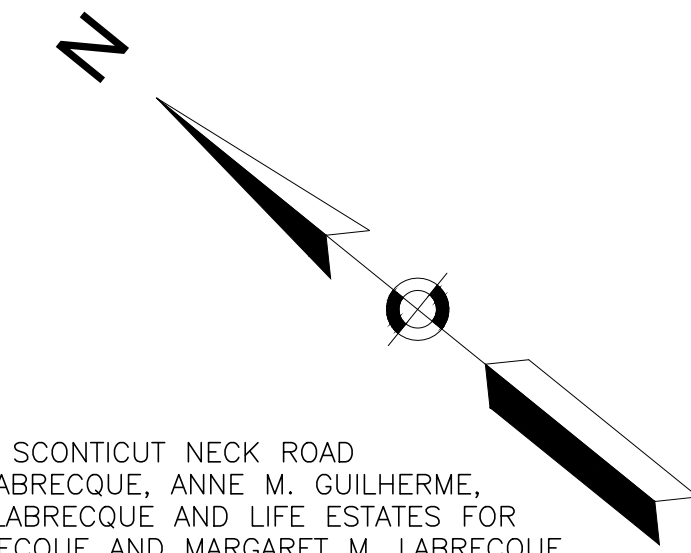


DRAINAGE STRUCTURE TABLE						
NAME/TYPE	STATION	OFFSET	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
CBC1	17+85.33	17.7 LT	41.49		I=37.33' (EX-3)	CONCENTRIC CYLINDRICAL STRUCTURE RECTANGULAR FRAME
CBC2	17+73.32	17.3 RT	41.47		I=37.40' (DMH2)	CONCENTRIC CYLINDRICAL STRUCTURE RECTANGULAR FRAME
CBC3	17+99.86	17.7 LT	41.38		I=37.40' (DMH3)	CONCENTRIC CYLINDRICAL STRUCTURE RECTANGULAR FRAME
CBC4	17+99.23	17.2 RT	41.44		I=37.40' (DMH2)	CONCENTRIC CYLINDRICAL STRUCTURE RECTANGULAR FRAME
CBC5	18+96.49	16.2 LT	41.39		I=37.20' (DMH4)	ECCENTRIC CYLINDRICAL STRUCTURE RECTANGULAR FRAME
CBC6	20+48.57	16.7 RT	42.66		I=38.71' (CIT1)	CONCENTRIC CYLINDRICAL STRUCTURE RECTANGULAR FRAME
CIT1	19+90.13	16.0 LT	41.53	I=37.47' (CBC6)	I=37.40' (DMH4)	CONCENTRIC CYLINDRICAL STRUCTURE
DMH2	17+80.03	12.3 RT	41.61	I=37.10' (CBC4) I=37.10' (CBC2)	I=37.00' (EX-3)	CONCENTRIC CYLINDRICAL STRUCTURE
DMH3	17+92.41	13.4 LT	41.58	I=37.30' (CBC3) I=36.51' (EX-2)	I=37.00' (EX-3)	CONCENTRIC CYLINDRICAL STRUCTURE
DMH4	18+88.36	11.1 LT	41.59	I=37.00' (CIT1) I=37.05' (CBC5)	I=36.95' (EX-2)	CONCENTRIC CYLINDRICAL STRUCTURE
EX-2	18+43.98	11.9 LT	41.77	38.00	I=36.77' (DMH4)	NULL STRUCTURE
EX-3	17+79.79	13.8 LT	41.55	38.50	I=37.23' (CBC1) I=36.80' (DMH3) I=36.64' (DMH2)	NULL STRUCTURE

**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	30	48
PROJECT FILE NO.			609518

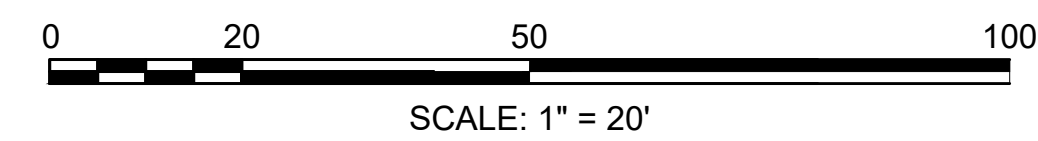
**UTILITY PLANS
SHEET 03 OF 04**



GENERAL NOTES:

- DRAINAGE ELEVATIONS ARE PROVIDED FOR DESIGN PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY BY TEST PIT, THE LOCATIONS OF EXISTING UTILITIES WHICH MAY CONFLICT WITH THE PROPOSED DRAINAGE DESIGN. ANY FIELD ADJUSTMENTS REQUIRED WILL BE MADE AS APPROVED OR DIRECTED BY THE ENGINEER. ONLY AFTER THE CONTRACTOR VERIFIES ELEVATIONS FOR THE CONSTRUCTABILITY OF THE DRAINAGE SYSTEM SHALL ANY STRUCTURES BE ORDERED. ANY FIELD ADJUSTMENTS TO LINE & GRADE UP TO A DEPTH OF 5 FT SHALL BE INCLUDED IN THE COST OF THE PIPE. PIPE EXCAVATION GREATER THAN 5 FT WILL BE PAID UNDER CLASS B TRENCH EXCAVATION.
- STRUCTURES TO BE RESET WITHIN THE ACCESSIBLE SURFACE SHALL BE CAREFULLY ADJUSTED SO THAT THE TOPMOST SURFACES OR THE STRUCTURE COVER SHALL BE FLUSH WITH THE ACCESSIBLE SURFACE.
- VERIZON TO TRENCH OVER EXISTING DIRECT BURIED CABLE TO ALLOW THE RELOCATIONS OF UTILITY POLES BETWEEN STATION 17+00 AND 18+00 RT.

NAME/TYPE	STATION	OFFSET	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
CBCI7	21+70.10	16.8 LT	42.35		I=38.23' (CIT2)	CONCENTRIC CYLINDRICAL STRUCTURE RECTANGULAR FRAME
CBCI8	23+69.73	15.1 RT	44.27		I=40.80' (CIT3)	CONCENTRIC CYLINDRICAL STRUCTURE RECTANGULAR FRAME
CIT2	21+56.65	19.7 LT	42.52	I=38.11' (CBCI7)	I=38.01' (CIT1)	CONCENTRIC CYLINDRICAL STRUCTURE
CIT3	23+85.58	15.2 RT	44.10	I=40.68' (CBCI8)	I=40.58' (EXDMH)	CONCENTRIC CYLINDRICAL STRUCTURE



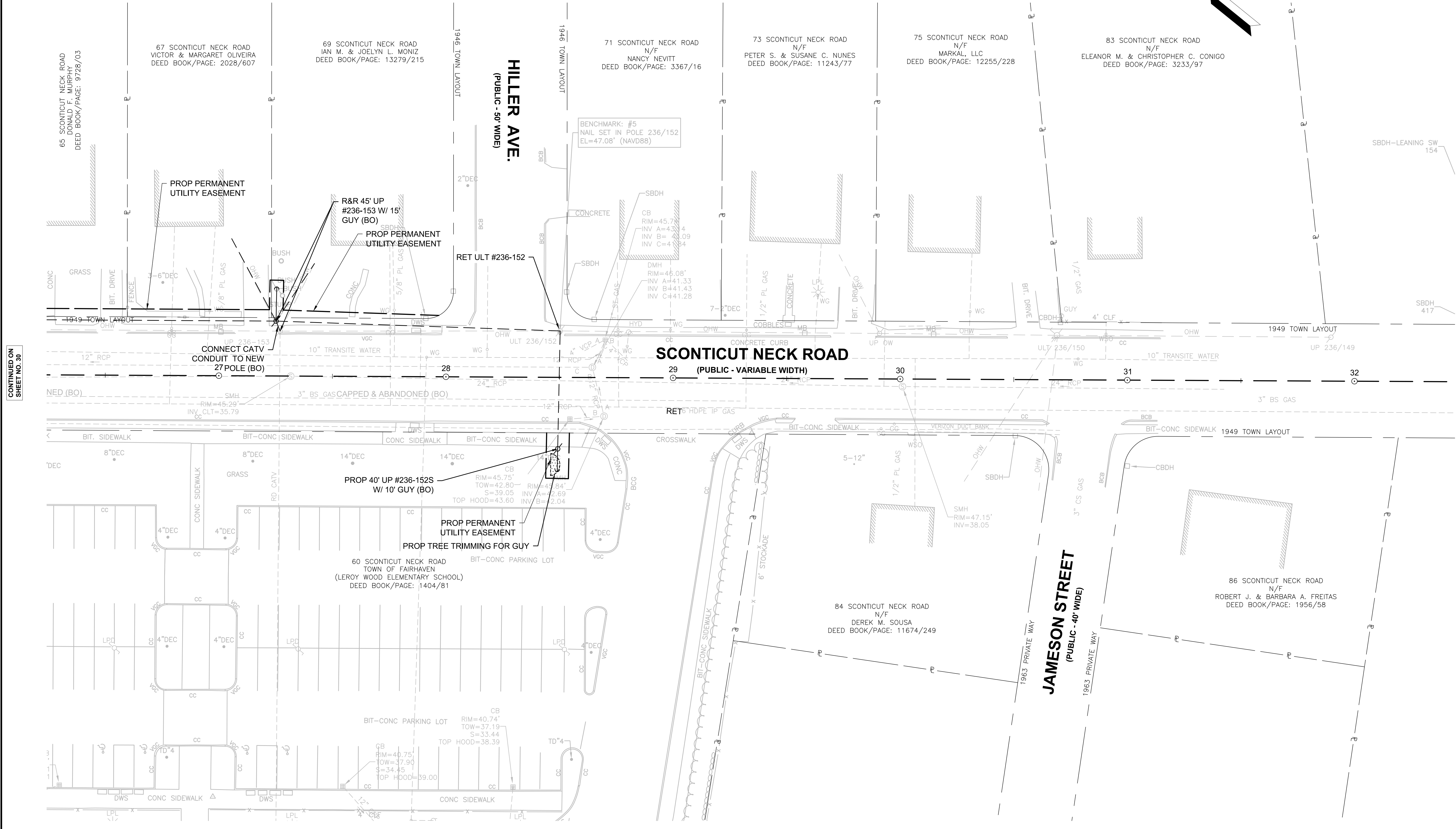
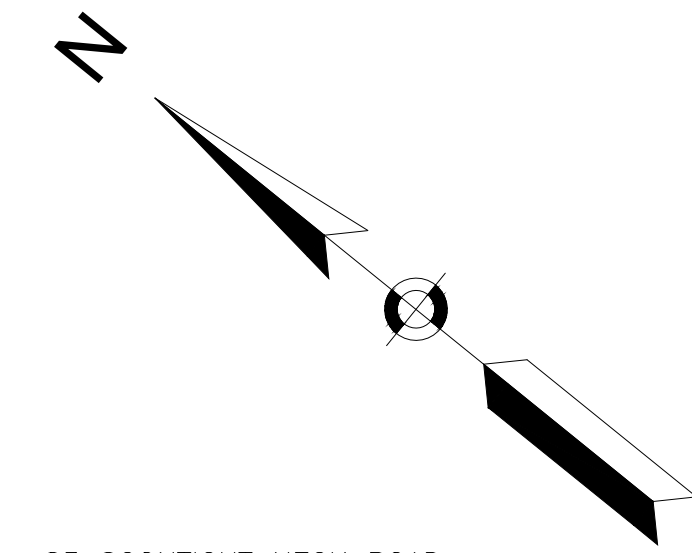
CONTINUED ON SHEET NO. 29

CONTINUED ON SHEET NO. 31

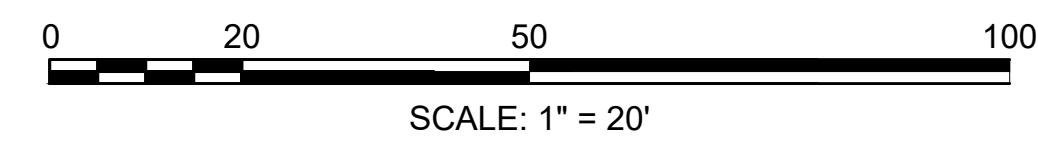
**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	31	48
PROJECT FILE NO.		609518	

**UTILITY PLANS
SHEET 04 OF 04**



CONTINUED ON
SHEET NO. 30



**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	32	48
PROJECT FILE NO.		609518	

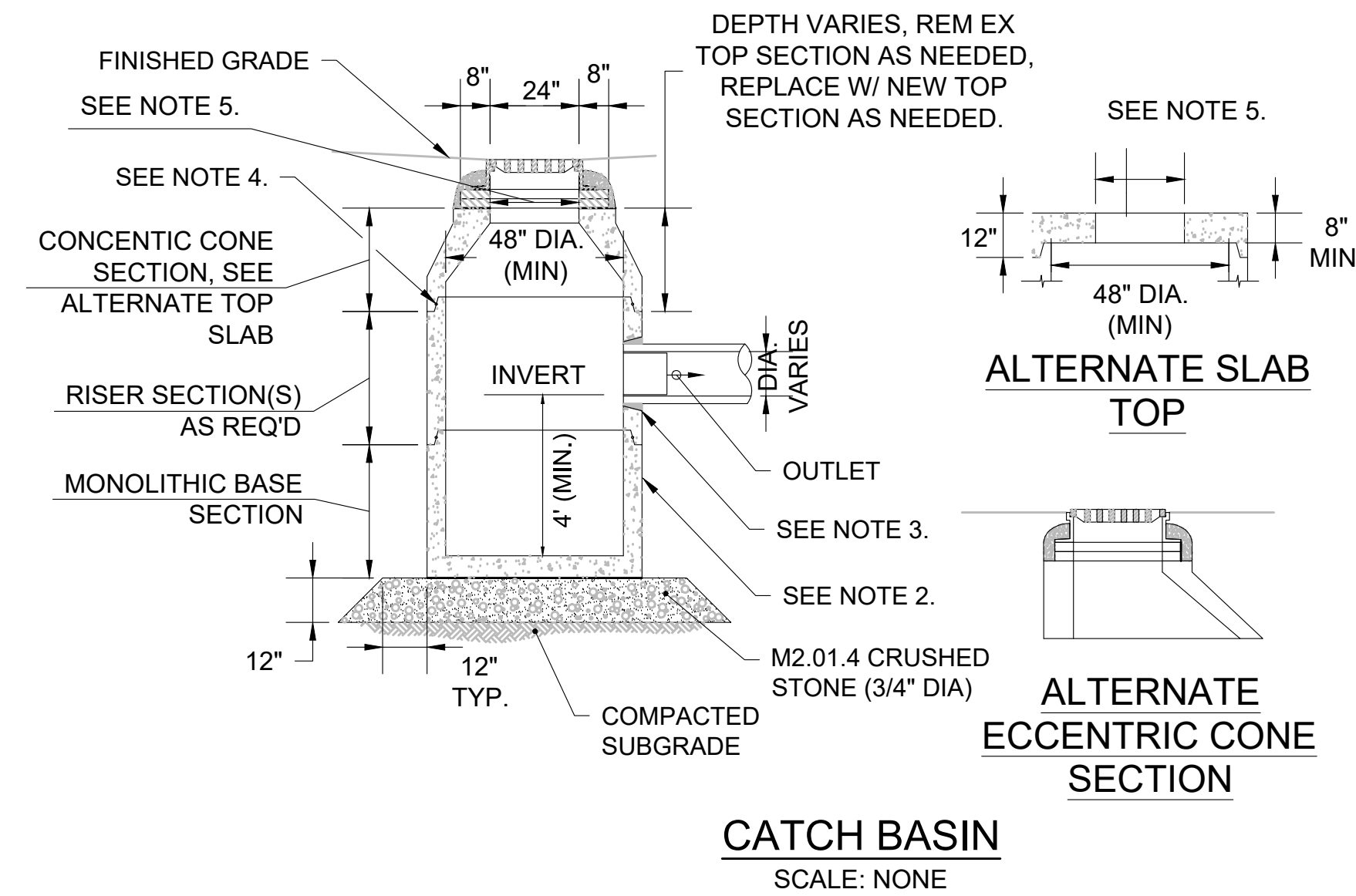
**UTILITY PLANS
STRUCTURE TABLE**

DRAINAGE STRUCTURE TABLE						
NAME/TYPE	STATION	OFFSET	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
CBCI1	17+85.33	17.7 LT	41.49		I=37.33' (EX-3)	CONCENTRIC CYLINDRICAL STRUCTURE RECTANGULAR FRAME (INV INTO EX DMH (EX-3) = 37.23')
CBCI2	17+73.32	17.3 RT	41.47		I=37.40' (DMH2)	CONCENTRIC CYLINDRICAL STRUCTURE RECTANGULAR FRAME
CBCI3	17+99.86	17.7 LT	41.38		I=37.40' (DMH3)	CONCENTRIC CYLINDRICAL STRUCTURE RECTANGULAR FRAME
CBCI4	17+99.23	17.2 RT	41.44		I=37.40' (DMH2)	CONCENTRIC CYLINDRICAL STRUCTURE RECTANGULAR FRAME
CBCI5	18+96.49	16.2 LT	41.39		I=37.20' (DMH4)	ECCENTRIC CYLINDRICAL STRUCTURE RECTANGULAR FRAME
CBCI6	20+48.57	16.7 RT	42.66		I=38.71' (CIT1)	CONCENTRIC CYLINDRICAL STRUCTURE RECTANGULAR FRAME
CBCI7	21+70.10	16.8 LT	42.35		I=38.23' (CIT2)	CONCENTRIC CYLINDRICAL STRUCTURE RECTANGULAR FRAME
CBCI8	23+69.73	15.1 RT	44.27		I=40.80' (CIT3)	CONCENTRIC CYLINDRICAL STRUCTURE RECTANGULAR FRAME
CIT1	19+90.13	16.0 LT	41.53	I=37.47' (CBCI6)	I=37.40' (DMH4)	CONCENTRIC CYLINDRICAL STRUCTURE
CIT2	21+56.65	19.7 LT	42.52	I=38.11' (CBCI7)	I=38.01' (CIT1)	CONCENTRIC CYLINDRICAL STRUCTURE
CIT3	23+85.58	15.2 RT	44.10	I=40.68' (CBCI8)	I=40.58' (EXDMH)	CONCENTRIC CYLINDRICAL STRUCTURE
DMH1	16+18.84	17.8 LT	42.17	I=35.90' (EX-3)	I=35.80' (EX-1)	ECCENTRIC CYLINDRICAL STRUCTURE
DMH2	17+80.03	12.3 RT	41.61	I=37.10' (CBCI4) I=37.10' (CBCI2)	I=37.00' (EX-3)	CONCENTRIC CYLINDRICAL STRUCTURE
DMH3	17+92.41	13.4 LT	41.58	I=37.30' (CBCI3) I=36.51' (EX-2)	I=37.00' (EX-3)	CONCENTRIC CYLINDRICAL STRUCTURE
DMH4	18+88.36	11.1 LT	41.59	I=37.00' (CIT1) I=37.05' (CBCI5)	I=36.95' (EX-2) I=35.11'	CONCENTRIC CYLINDRICAL STRUCTURE
EX-1	15+83.44	38.0 LT	42.31 36.39	I=35.16' (DMH1)		NULL STRUCTURE
EX-2	18+43.98	11.9 LT	41.77 36.00	I=36.77' (DMH4)	I=36.77' (DMH3)	NULL STRUCTURE
EX-3	17+79.79	13.8 LT	41.55 38.50	I=37.23' (CBCI1) I=36.80' (DMH3) I=36.64' (DMH2)	I=36.54' (DMH1)	NULL STRUCTURE

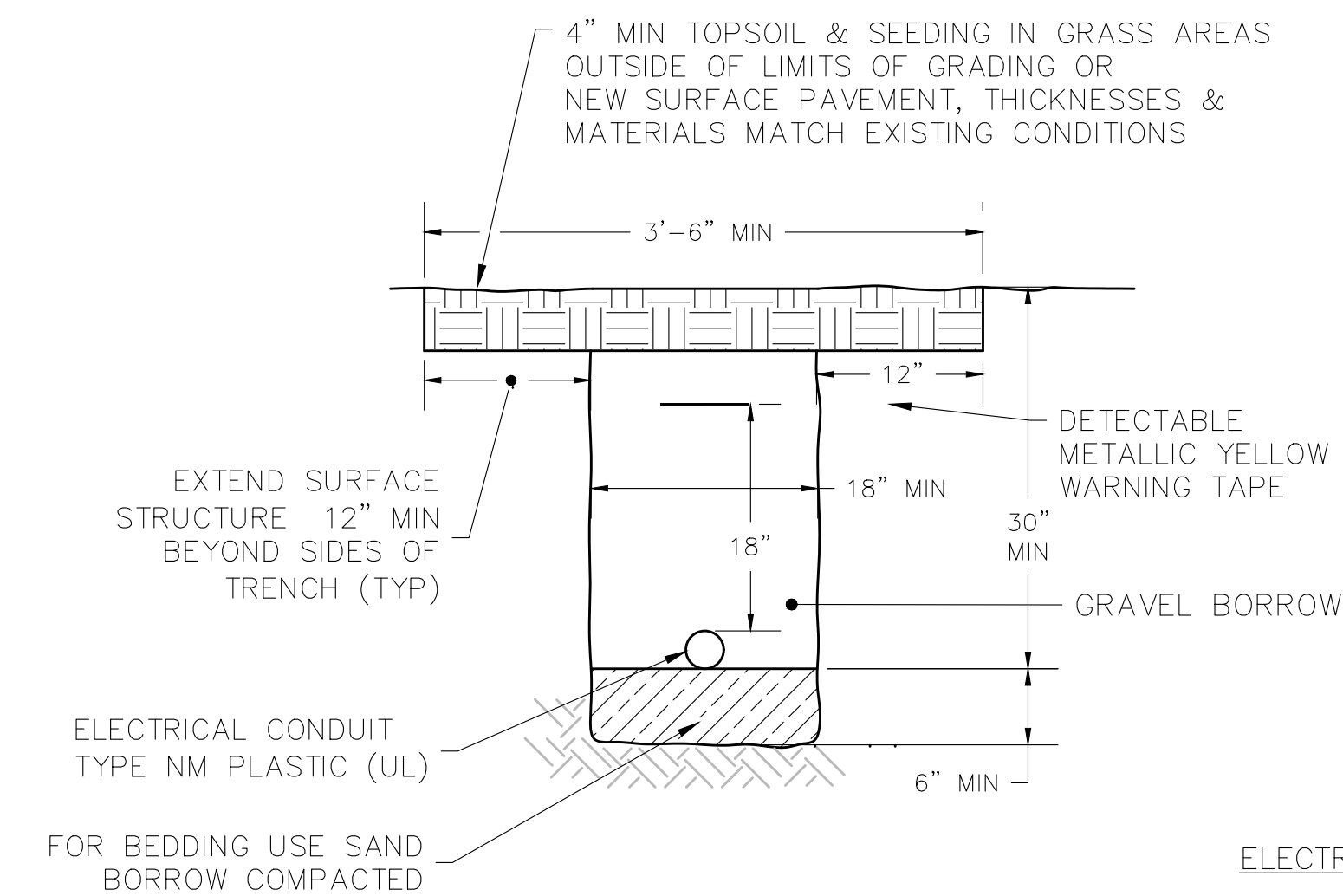
NOTE:

- FOR CHANGE IN TYPE (CIT) STRUCTURES, THE EXISTING STRUCTURE'S INVERTS ARE TO BE RETAINED. THE INVERTS SHOWN ON THIS SHEET ARE TO BE ADDED TO THE CORRESPONDING STRUCTURE.
- NULL STRUCTURES ARE FOR DESIGN PURPOSES ONLY. WHERE NULL STRUCTURES ARE SHOWN, NO ACTUAL STRUCTURE IS PROPOSED. NULL STRUCTURES ARE LABELED AS 'EX'.
- ALL PROPOSED CBs SHALL BE DEEP SUMP.

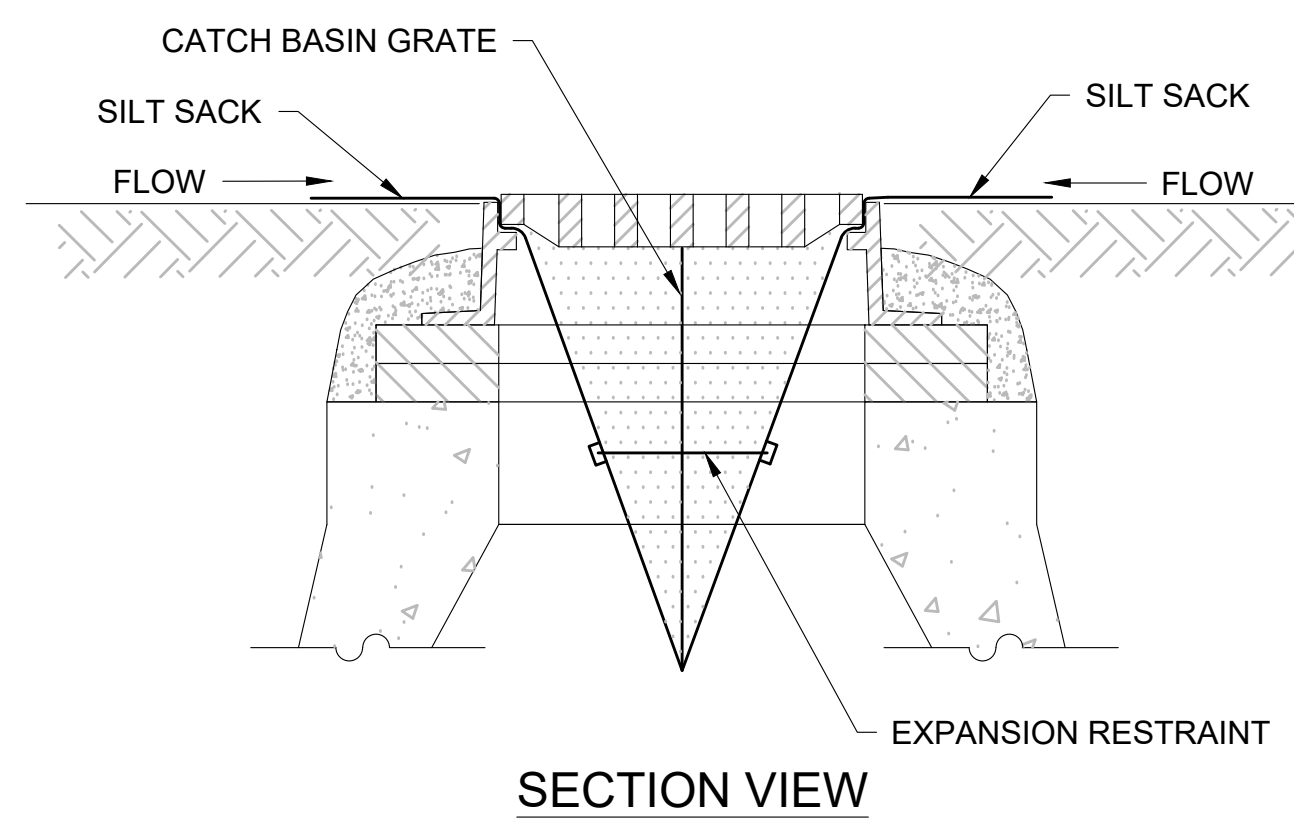
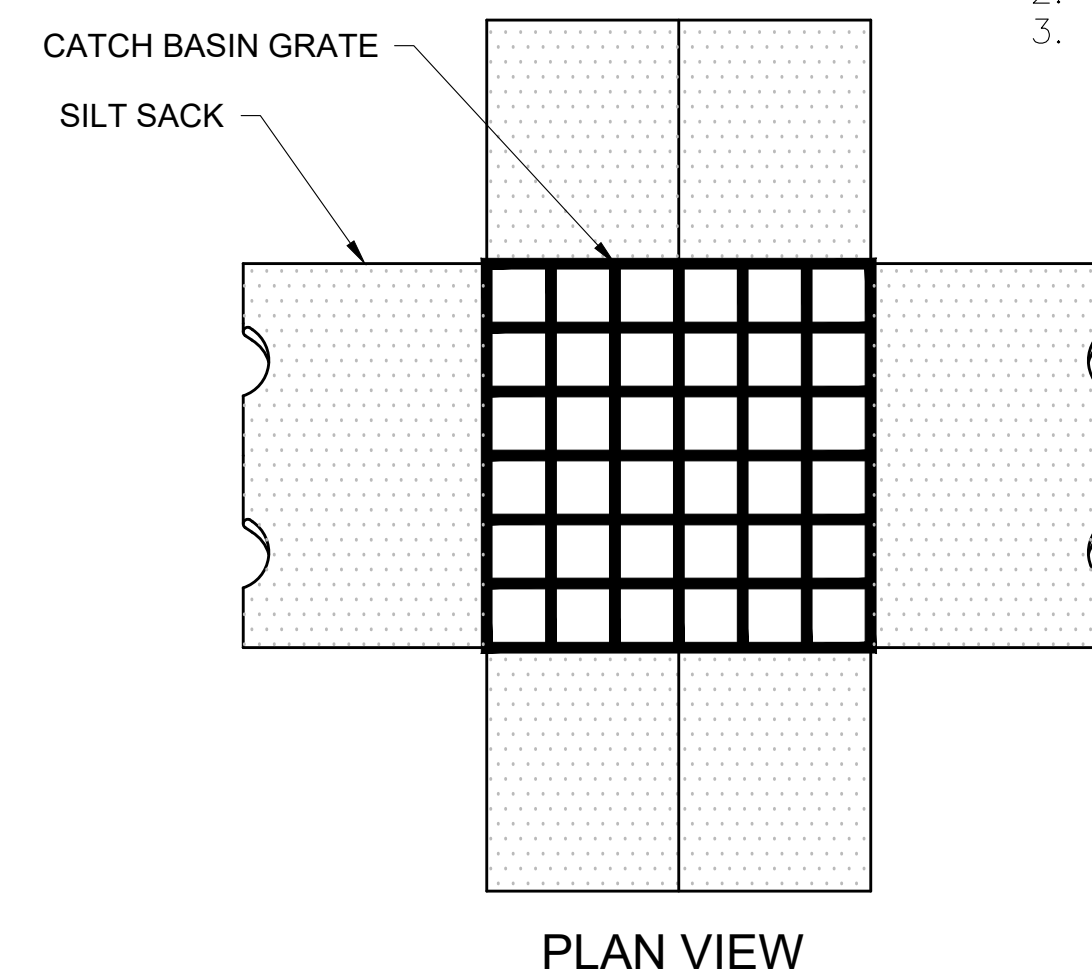
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	33	48
PROJECT FILE NO.		609518	



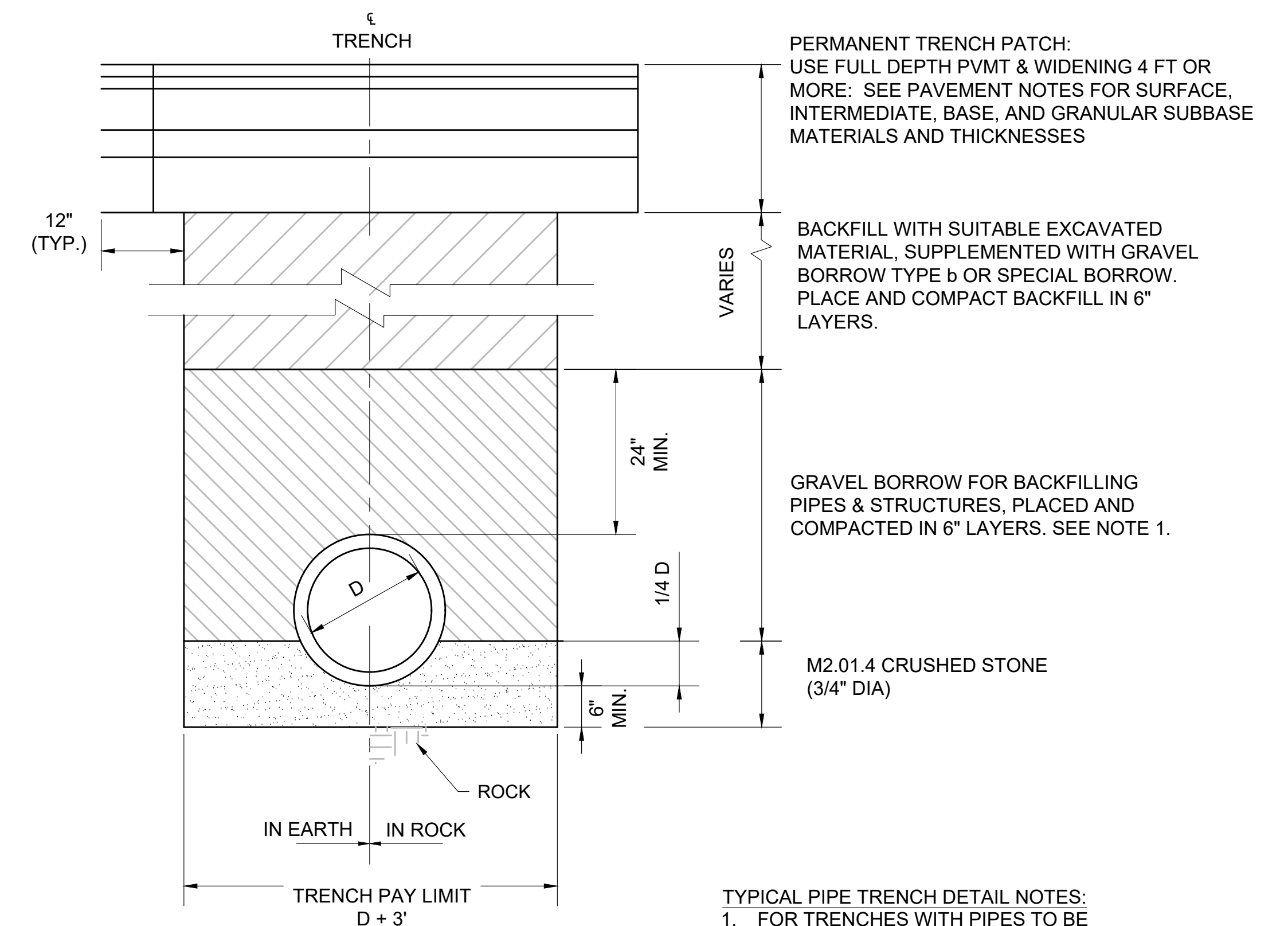
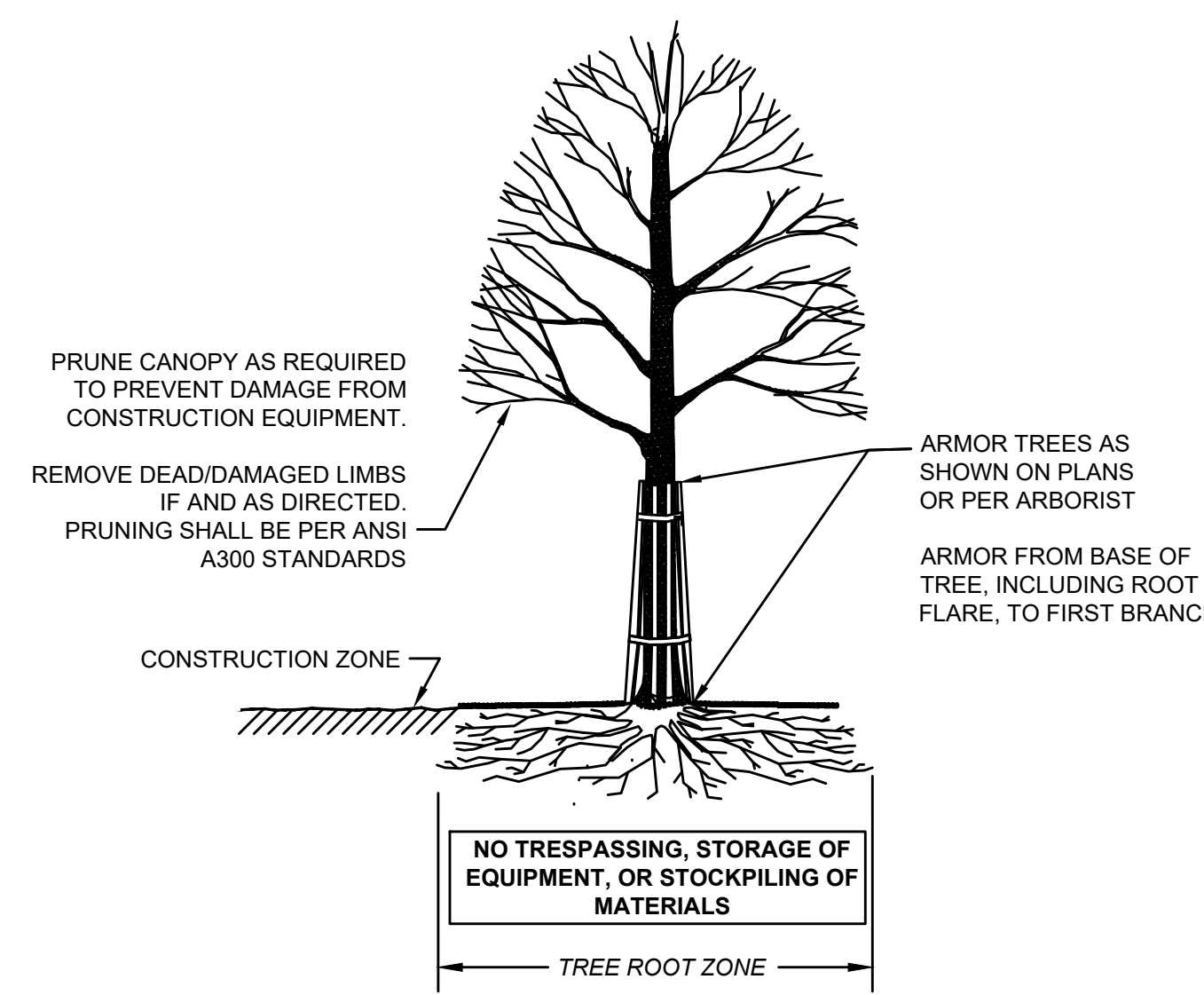
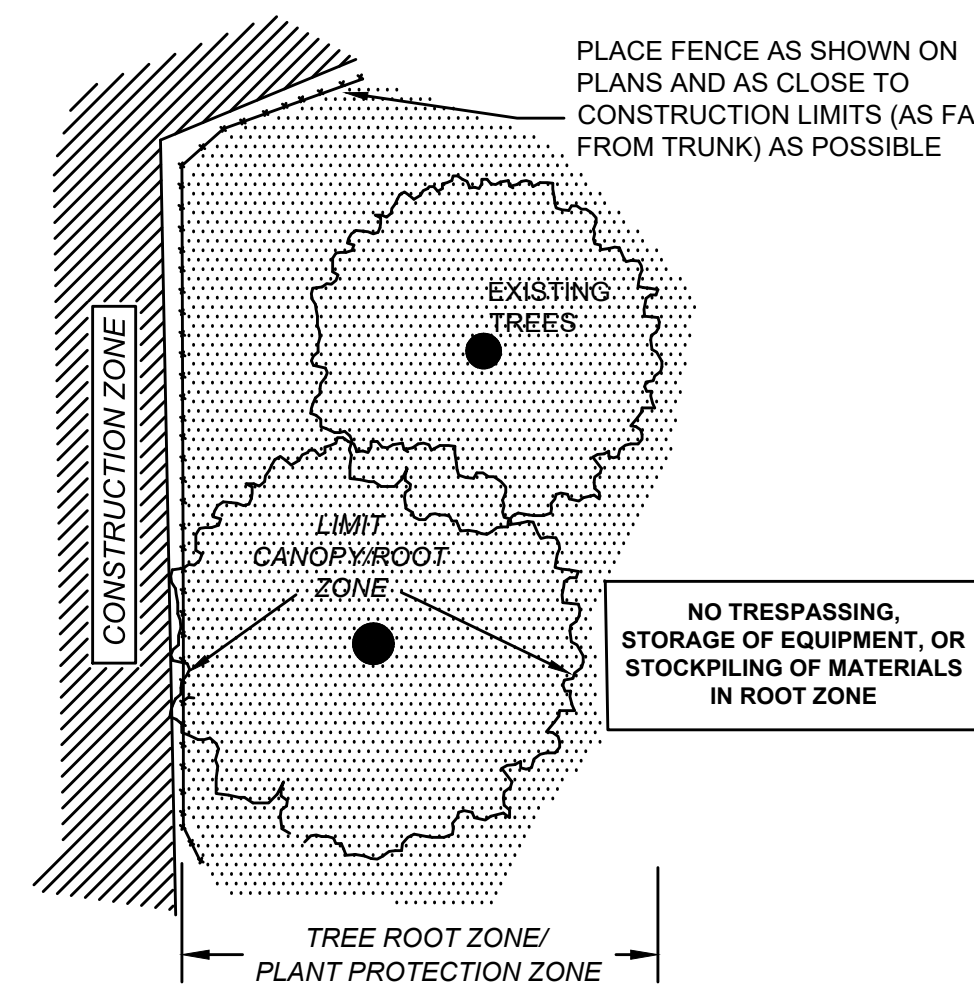
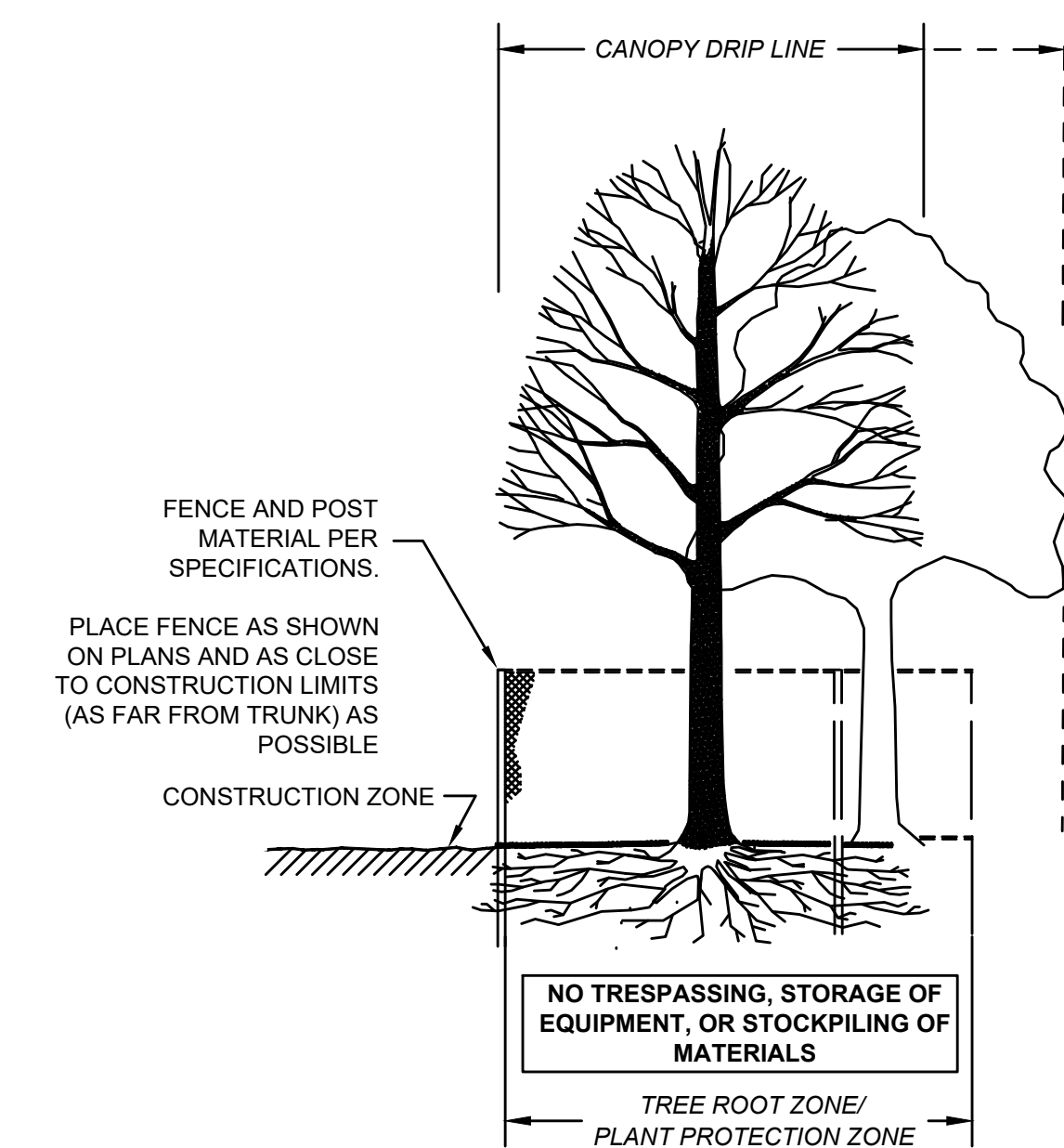
- CATCH BASIN NOTES:**
1. ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
 2. PROVIDE "V" KNOCKOUTS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
 3. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
 4. CATCH BASIN FRAME AND GRATE SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM).
 5. OPENING IN TOP SLAB SHALL BE 24"x27" FOR CATCH BASINS WITH CURB INLETS. OPENING SHALL BE 24"x24" AT ALL OTHER LOCATIONS.



- ELECTRICAL CONDUIT TRENCH NOTES:**
1. METALLIC WARNING TAPE SHALL MEET ALL CURRENT APWA STANDARDS.
 2. IN ROADWAY AREAS TO BE RESURFACED, MILL & OVERLAY PERMANENT TRENCH PATCH WITH ABUTTING ROADWAY.
 3. IN ROADWAY AREAS TO REMAIN AS-IS, PERMANENT TRENCH PATCH SHALL BE FLUSH WITH THE ABUTTING EXISTING ROADWAY SURFACE AND MATCH THE SLOPE OF THE EXISTING ROADWAY SURFACE.



SILT SACK SEDIMENT TRAP
SCALE: NONE



- TYPICAL PIPE TRENCH DETAIL NOTES:**
1. FOR TRENCHES WITH PIPES TO BE REMOVED, USE GRAVEL BORROW FOR BACKFILL, PLACED AND COMPACTED IN 6" LAYERS.

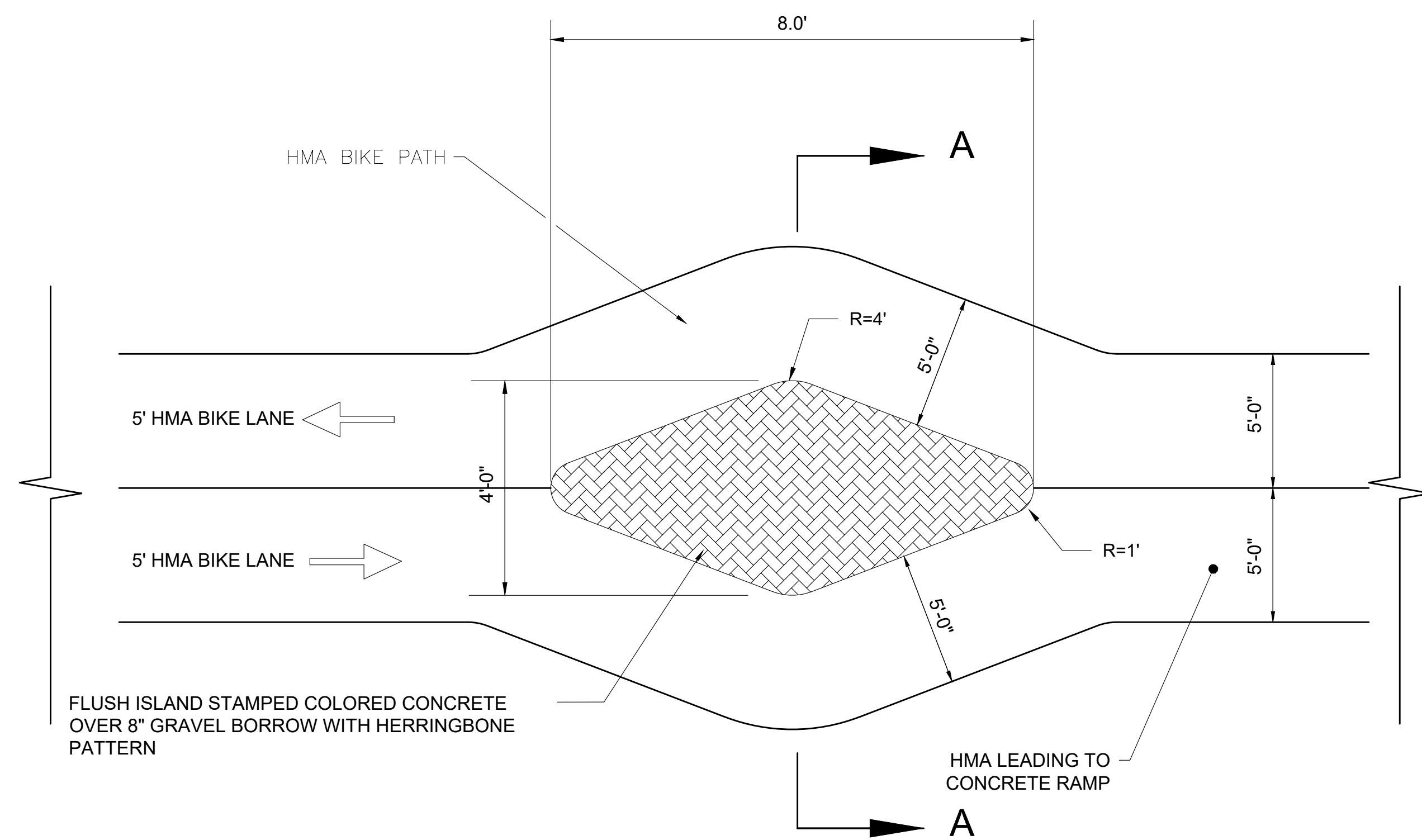
TREE PROTECTION DETAILS
NOT TO SCALE

TYPICAL PIPE TRENCH DETAIL
SCALE: NONE

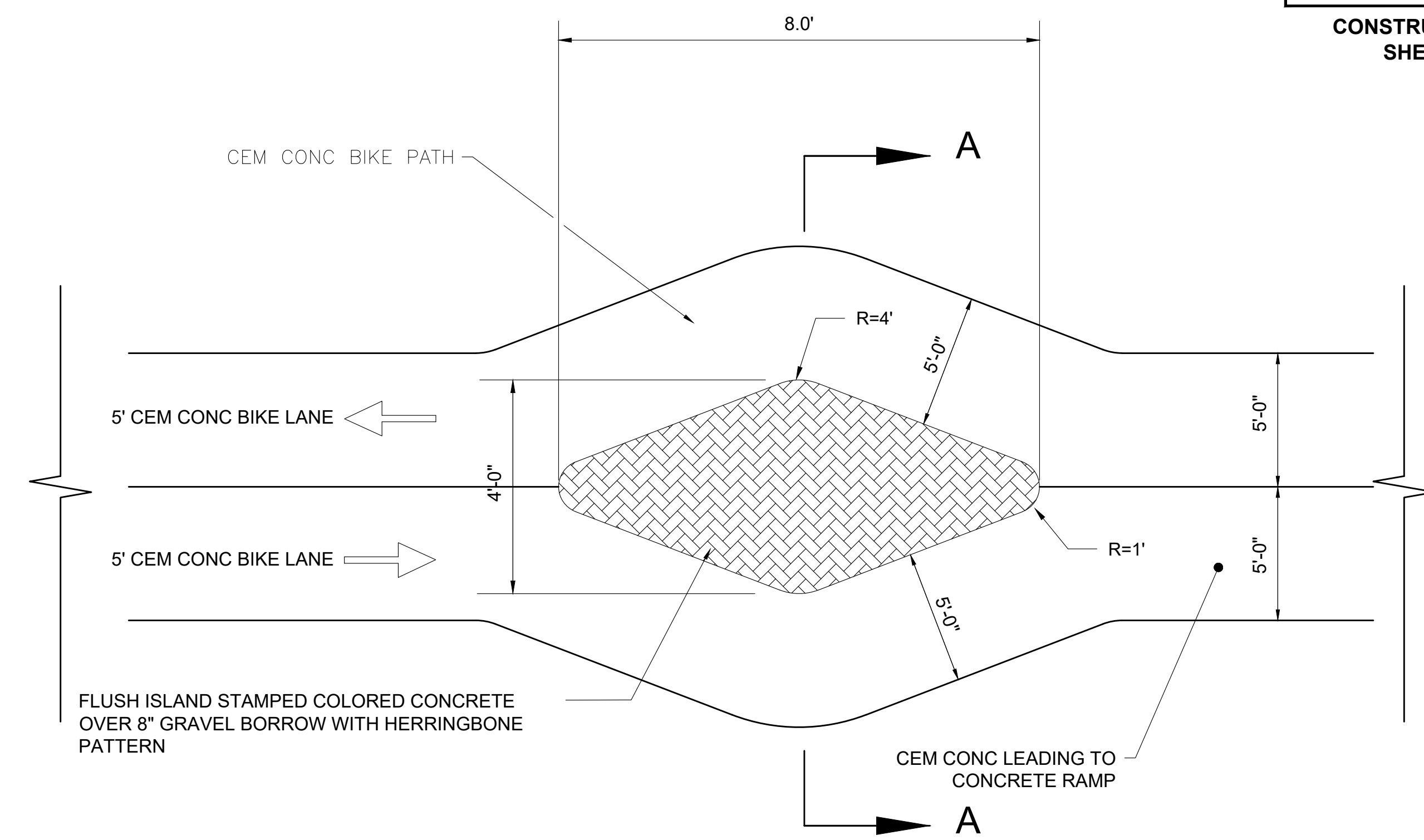
FAIRHAVEN
SCONTICUT NECK ROAD

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRS5(001)X	34	48
PROJECT FILE NO.		609518	

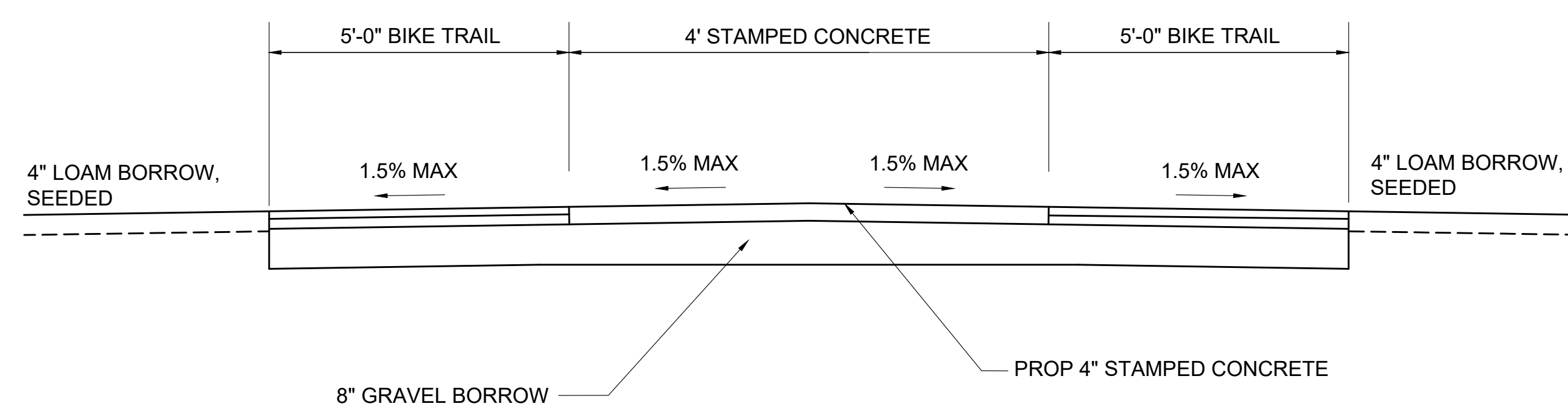
CONSTRUCTION DETAILS
SHEET 02 OF 02



PLAN - WEST SIDE RAMP
N.T.S

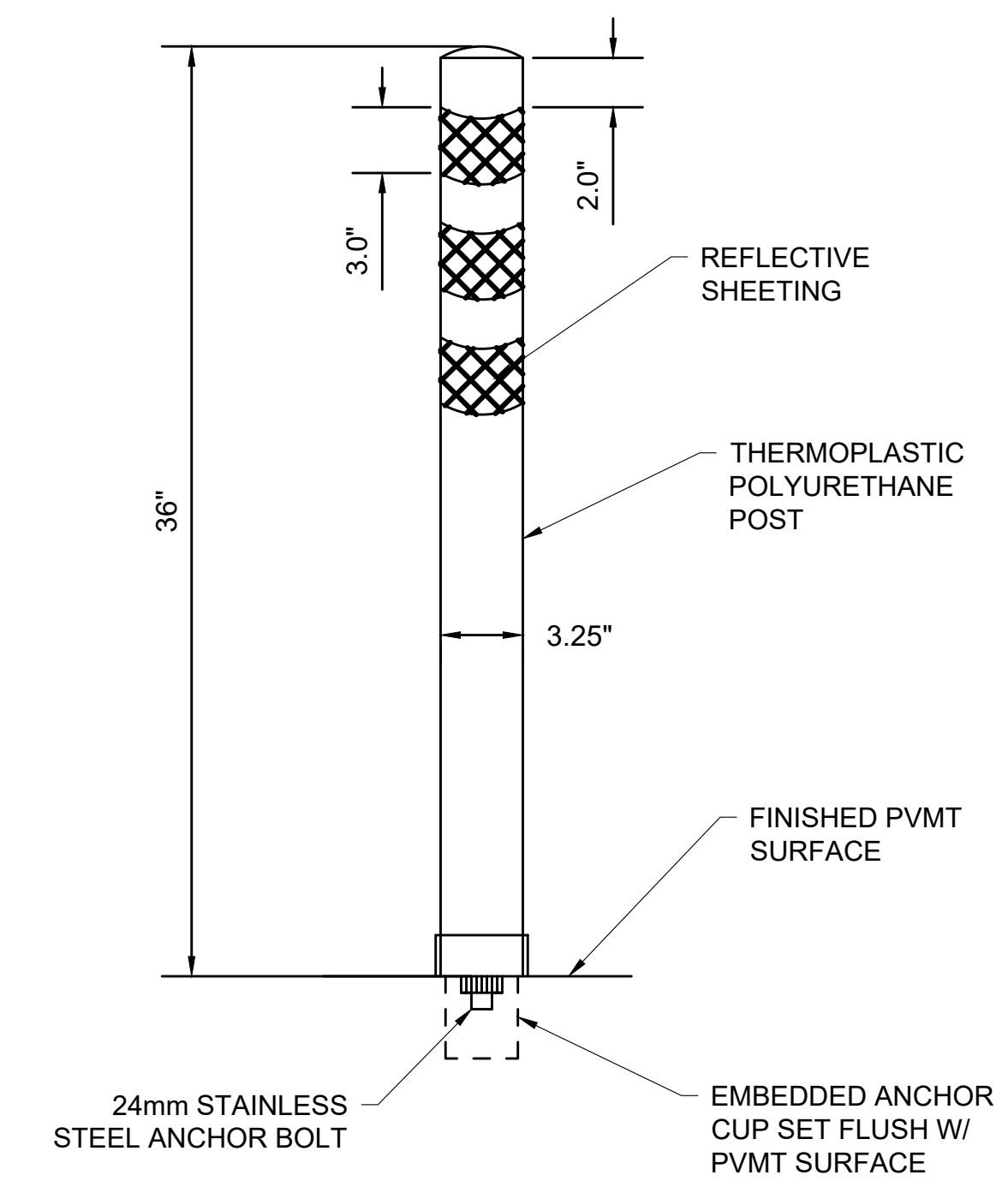


PLAN - EAST SIDE RAMP
N.T.S



SECTION A-A
N.T.S
SPLITTER ISLAND DETAIL

NOTE
SEE CURB TIE AND GRADING PLAN SHEET 16
FOR ADDITIONAL INFORMATION.



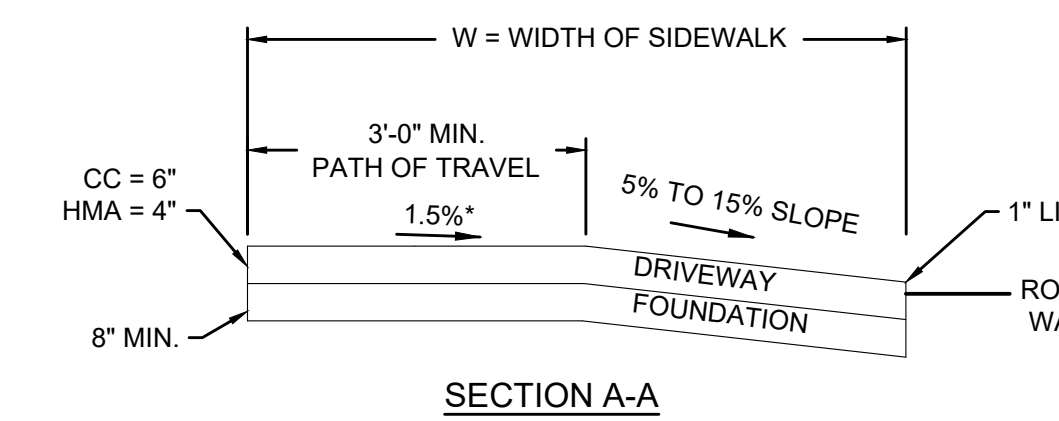
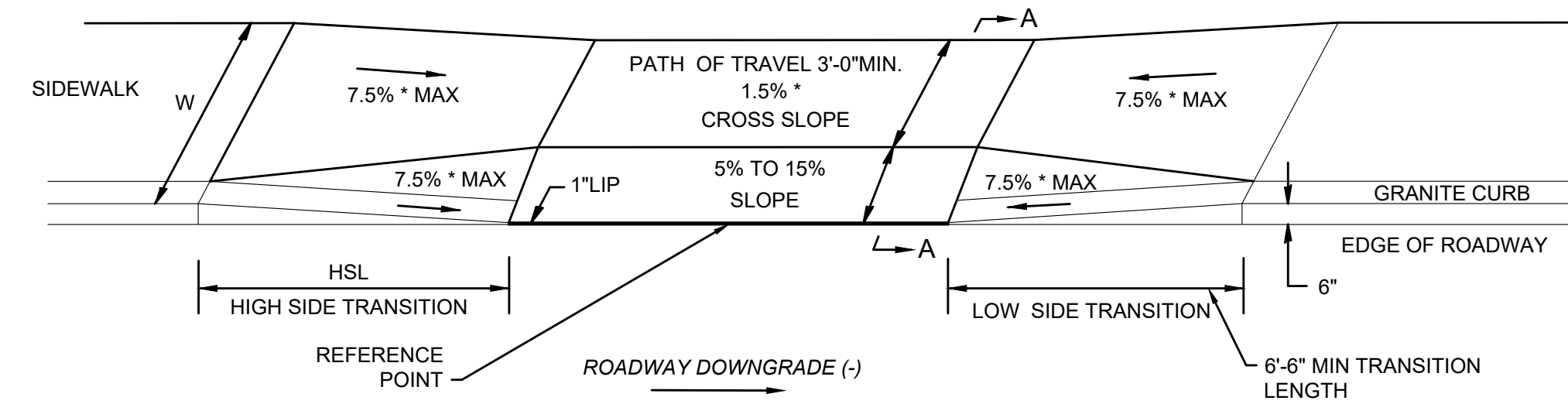
FLEXIBLE DELINEATOR
POST DETAIL
N.T.S

**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SR55(001)X	35	48
PROJECT FILE NO.		609518	

**PEDESTRIAN CURB RAMP
& DRIVEWAY DETAILS**

LEGEND	
HSL	HIGH SIDE TRANSITION LENGTH
W	SIDEWALK WIDTH = DEPTH FROM GUTTER TO BACK OF WALK
CC	CEMENT CONCRETE
HMA	HOT MIX ASPHALT



* ± 0.5% FOR CONSTRUCTION TOLERANCE

SIDEWALK THROUGH DRIVEWAYS WITHOUT CURB RETURNS

DWY NO	BASELINE	STA AT CENTER OF OPENING	OFFSET	OPENING WIDTH (FT)	GUTTER PROFILE SLOPE (%) AT REF. PT	HIGH TRANS LENGTH (FT)	LOW TRANS LENGTH (FT)	DEPTH FROM GUTTER TO BACK OF WALK (FT)	WIDTH OF PATH OF TRAVEL (FT)	COMMENT
01	SCONTICUT NECK RD	16+40.40	19.31 LT	15.00	-0.46	3.84 LT	6.50 RT	5.50	3.00	3" REVEAL AT HIGH SIDE
02	SCONTICUT NECK RD	17+43.03	19.19 LT	18.11	-1.02	9.00 LT	6.50 RT	5.50	3.00	
03	SCONTICUT NECK RD	18+58.52	19.00 RT	35.56	-0.91	7.67 LT	6.50 RT	8.00	5.50	
08	SCONTICUT NECK RD	19+39.50	19.00 RT	28.31	-0.64	7.67 LT	6.50 RT	8.00	5.50	
04	SCONTICUT NECK RD	19+76.21	17.00 LT	20.40	+0.32	7.67 RT	6.50 LT	5.50	3.00	
09	SCONTICUT NECK RD	20+16.37	19.00 RT	25.70	+0.06	7.67 RT	6.50 LT	8.00	5.50	
05	SCONTICUT NECK RD	20+73.13	17.00 LT	14.69	+0.38	3.84 RT	6.50 LT	5.50	3.00	3" REVEAL AT HIGH SIDE
06	SCONTICUT NECK RD	21+05.36	17.00 LT	13.96	+1.00	7.67 RT	6.50 LT	5.50	3.00	
10	SCONTICUT NECK RD	21+31.10	19.00 RT	17.40	-0.12	7.67 LT	6.50 RT	8.00	5.50	
07	SCONTICUT NECK RD	22+29.95	17.00 LT	14.23	+0.42	7.67 RT	6.50 LT	5.50	3.00	
12	SCONTICUT NECK RD	22+51.15	19.00 RT	21.77	-0.35	7.67 LT	6.50 RT	5.50	3.00	
13	SCONTICUT NECK RD	23+11.22	19.00 RT	21.50	-0.23	7.67 LT	6.50 RT	5.50	3.00	

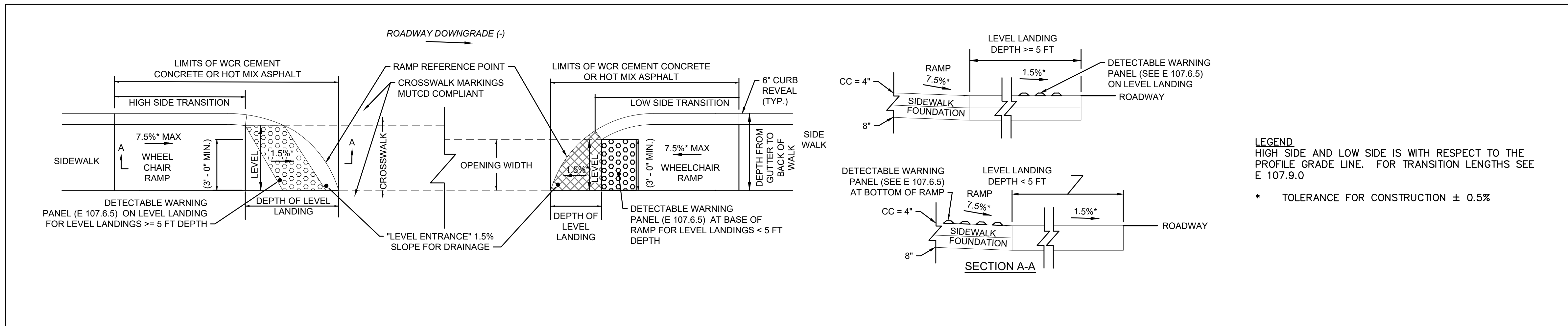
PCR AND DRIVEWAY NOTES:

- CONSTRUCTION DETAILS SHALL BE IN ACCORDANCE WITH MASSDOT CONSTRUCTION STANDARDS.
- ALL TRANSITIONS ARE 6 INCH MAXIMUM REVEAL AT THE TOP OF THE TRANSITION UNLESS OTHERWISE NOTED ON THE SCHEDULES OR THE CONSTRUCTION PLANS.
- CONCRETE RAMPS ARE TO BE TEXTURED BY BROOMING IN A DIRECTION PARALLEL TO THE LENGTH OF THE RAMP.
- SEE CONSTRUCTION PLANS FOR LOCATION OF WHEELCHAIR RAMP, AND DRIVEWAYS.
- DETECTABLE WARNING PANELS ARE REQUIRED ON ALL PROPOSED PEDESTRIAN CURB RAMPS AND SHALL BE INSTALLED IN ACCORDANCE WITH MASSDOT CONSTRUCTION STANDARDS.
- DETECTABLE WARNING PANEL SHALL BE LOCATED NOT LESS THAN 6" OR MORE THAN 24" FROM ROADWAY EDGE (GUTTER LINE). TRUNCATED DOMES TO BE ALIGNED WITH DIRECTION OF TRAVEL.
- FOR DETAILS OF TRUNCATED DOMES SEE DRAWING E 107.6.5.
- ROADWAY, GUTTER, AND FIRST 6" OF SIDEWALK TO BE ADJUSTED FOR FIELD CONDITIONS.

**FAIRHAVEN
SCONTICUT NECK ROAD**

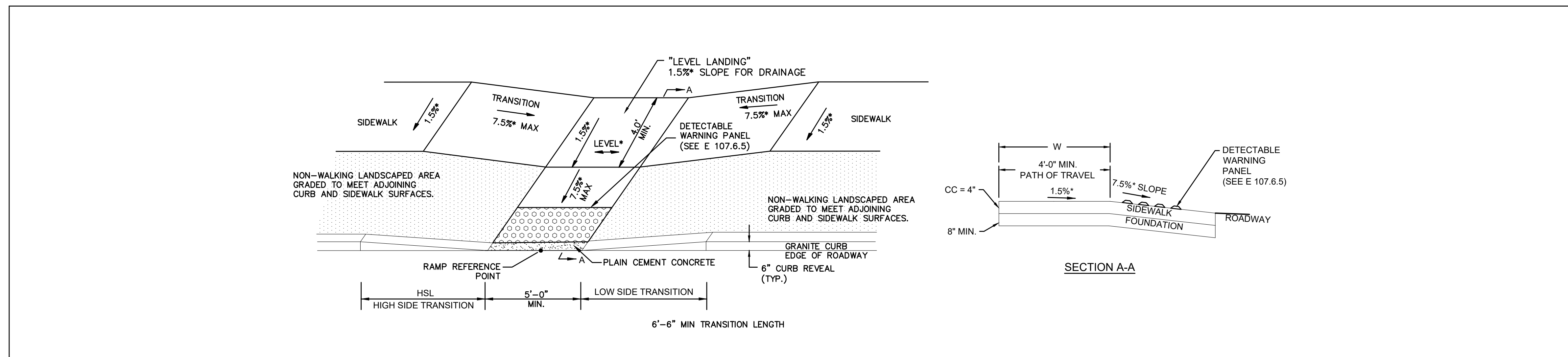
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRSS(001)X	36	48
PROJECT FILE NO.		609518	

PEDESTRIAN CURB RAMP & DRIVEWAY DETAILS



PEDESTRIAN CURB RAMP WITH CONTINUOUS TRAVEL

PCR NO	BASELINE	STA AT CENTER OF OPENING	OFFSET	OPENING WIDTH (FT)	GUTTER PROFILE SLOPE (%) AT REF. PT	HIGH TRANS LENGTH (FT)	LOW TRANS LENGTH (FT)	DEPTH FROM GUTTER TO BACK OF WALK (FT)	WIDTH OF LEVEL LANDING FROM GUTTER (FT)	COMMENT
17	SCONTICUT NECK RD	12+99.93	33.81 RT	4.50	-0.69	--	6.50 RT	5.50	4.60	
18	SCONTICUT NECK RD	13+44.73	31.70 RT	4.50	-2.31	11.00 LT	--	5.50	4.60	
16	SCONTICUT NECK RD	22+14.28	20.84 RT	4.50	-1.09	9.00 LT	--	5.50	9.45	
09	SCONTICUT NECK RD	23+25.06	21.05 LT	4.50	+1.02	--	6.50 LT	5.50	3.75	
10	SCONTICUT NECK RD	23+52.53	20.87 LT	4.50	+1.58	9.00 RT	--	5.50	3.80	



PEDESTRIAN CURB RAMP WITH LANDSCAPING STRIP

PCR NO	BASELINE	STA AT CENTER OF OPENING	OFFSET	OPENING WIDTH (FT)	GUTTER PROFILE SLOPE (%) AT REF. PT	HIGH TRANS LENGTH (FT)	LOW TRANS LENGTH (FT)	DEPTH FROM GUTTER TO BACK OF WALK (FT)	LENGTH OF TRANSITION RAMP (FT)	USABLE WIDTH OF SIDEWALK (FT)	COMMENT
04	SCONTICUT NECK RD	16+04.15	37.61 RT	5.00	-2.98	11.00 LT (TRANSITION CURB)	6.50 RT	18.60	8.60	10.00	LEVEL LANDING BETWEEN PCR 4 & 5.
12	SCONTICUT NECK RD	23+83.80	17.00 RT	10.35	-1.06	9.00 LT	4.50 RT (HSL)	13.69	4.43	9.34	HIGH SIDE TRANSITION ON BOTH SIDES. 3" REVEAL RIGHT SIDE
19	SCONTICUT NECK RD	25+06.76	50.52 RT	6.46	+1.82	9.00 RT	4.00 LT	5.53	4.05	9.58	3" REVEAL.

PCR AND DRIVEWAY NOTES:

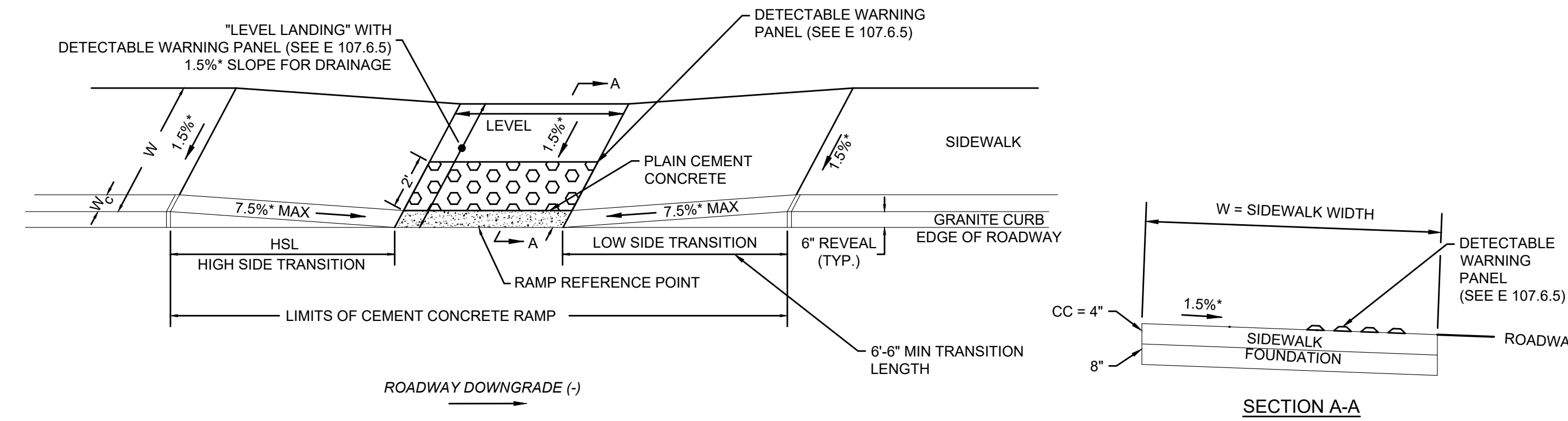
- CONSTRUCTION DETAILS SHALL BE IN ACCORDANCE WITH MASSDOT CONSTRUCTION STANDARDS.
- ALL TRANSITIONS ARE 6 INCH MAXIMUM REVEAL AT THE TOP OF THE TRANSITION UNLESS OTHERWISE NOTED ON THE SCHEDULES OR THE CONSTRUCTION PLANS.
- CONCRETE RAMPS ARE TO BE TEXTURED BY BROOMING IN A DIRECTION PARALLEL TO THE LENGTH OF THE RAMP.
- SEE CONSTRUCTION PLANS FOR LOCATION OF WHEELCHAIR RAMP, AND DRIVEWAYS.
- DETECTABLE WARNING PANELS ARE REQUIRED ON ALL PROPOSED PEDESTRIAN CURB RAMPS AND SHALL BE INSTALLED IN ACCORDANCE WITH MASSDOT CONSTRUCTION STANDARDS.
- DETECTABLE WARNING PANEL SHALL BE LOCATED NOT LESS THAN 6" OR MORE THAN 24" FROM ROADWAY EDGE (GUTTER LINE). TRUNCATED DOMES TO BE ALIGNED WITH DIRECTION OF TRAVEL.
- FOR DETAILS OF TRUNCATED DOMES SEE DRAWING E 107.6.5.
- ROADWAY, GUTTER, AND FIRST 6" OF SIDEWALK TO BE ADJUSTED FOR FIELD CONDITIONS.

FAIRHAVEN
SCONTICUT NECK ROAD

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRSS(001)X	37	48
PROJECT FILE NO.		609518	

PEDESTRIAN CURB RAMP
& DRIVEWAY DETAILS

LEGEND	
HSL	HIGH SIDE TRANSITION LENGTH (SEE E107.9.0)
W	SIDEWALK WIDTH = DEPTH FROM GUTTER TO BACK OF WALK
Wc	WIDTH OF CURB
CC	CEMENT CONCRETE
HMA	HOT MIX ASPHALT



* ± 0.5% FOR CONSTRUCTION TOLERANCE

PEDESTRIAN CURB RAMP ON NARROW SIDEWALK

PCR NO	BASELINE	STA AT CENTER OF OPENING	OFFSET	OPENING WIDTH (FT)	GUTTER PROFILE SLOPE (%) AT REF. PT	HIGH TRANS LENGTH (FT)	LOW TRANS LENGTH (FT)	DEPTH FROM GUTTER TO BACK OF WALK (FT)	TOTAL WIDTH OF SIDEWALK (FT)	COMMENT
13	SCONTICUT NECK RD	12+78.91	39.07 LT	5.00	+0.32	7.67 RT	6.50 LT	5.50	5.50	
14	SCONTICUT NECK RD	13+42.17	39.83 LT	5.00	-0.15	7.67 LT	7.67 RT (HSL)	5.50	5.50	HIGH SIDE TRANSITION ON BOTH SIDES.
01	SCONTICUT NECK RD	14+89.37	34.17 LT	5.00	+0.38	7.67 RT	6.50 LT	5.50	5.50	
02	SCONTICUT NECK RD	15+24.13	33.92 LT	5.10	+1.15	9.00 RT	6.50 LT	8.70	11.00	
03	SCONTICUT NECK RD	15+70.79	46.45 RT	5.00	+2.27	11.00 RT	6.50 LT	5.50	5.50	
05	SCONTICUT NECK RD	16+18.66	19.01 RT	10.19	-0.45	7.67 LT	--	5.50	5.50	NO TRANSITION ON LOW SIDE.
06	SCONTICUT NECK RD	16+07.36	19.05 LT	10.33	+0.03	3.84 RT	--	5.50	5.50	3" REVEAL.
07	SCONTICUT NECK RD	18+35.81	23.30 LT	5.00	-3.21	14.00 LT	3.25 RT	5.50	5.50	3" REVEAL.
08	SCONTICUT NECK RD	18+79.86	24.81 LT	5.00	+0.84	7.67 RT	6.50 LT	5.50	5.50	
15	SCONTICUT NECK RD	21+81.91	22.30 RT	8.00	-0.73	7.67 LT	6.50 RT	8.00	8.00	
11	SCONTICUT NECK RD	23+83.81	17.06 LT	5.00	+0.68	7.67 RT	6.50 LT	5.50	4.8-5.50	PROP. SIDEWALK MEETING EX. SIDEWALK.
20	SCONTICUT NECK RD	25+31.94	42.41 RT	5.00	-1.86	9.00 LT	9.00 RT (HSL)	6.00	6.00	HIGH SIDE TRANSITION ON BOTH SIDES.
21	TIMOTHY ST	5+58.28	14.77 LT	5.00	-2.00	9.00 LT	--	5.50	5.50	ONE SIDED PCR.

PCR AND DRIVEWAY NOTES:

- CONSTRUCTION DETAILS SHALL BE IN ACCORDANCE WITH MASSDOT CONSTRUCTION STANDARDS.
- ALL TRANSITIONS ARE 6 INCH MAXIMUM REVEAL AT THE TOP OF THE TRANSITION UNLESS OTHERWISE NOTED ON THE SCHEDULES OR THE CONSTRUCTION PLANS.
- CONCRETE RAMPS ARE TO BE TEXTURED BY BROOMING IN A DIRECTION PARALLEL TO THE LENGTH OF THE RAMP.
- SEE CONSTRUCTION PLANS FOR LOCATION OF WHEELCHAIR RAMP, AND DRIVEWAYS.
- DETECTABLE WARNING PANELS ARE REQUIRED ON ALL PROPOSED PEDESTRIAN CURB RAMPS AND SHALL BE INSTALLED IN ACCORDANCE WITH MASSDOT CONSTRUCTION STANDARDS.
- DETECTABLE WARNING PANEL SHALL BE LOCATED NOT LESS THAN 6" OR MORE THAN 24" FROM ROADWAY EDGE (GUTTER LINE). TRUNCATED DOMES TO BE ALIGNED WITH DIRECTION OF TRAVEL.
- FOR DETAILS OF TRUNCATED DOMES SEE DRAWING E 107.6.5.
- ROADWAY, GUTTER, AND FIRST 6" OF SIDEWALK TO BE ADJUSTED FOR FIELD CONDITIONS.

**FAIRHAVEN
SCONTICUT NECK ROAD**

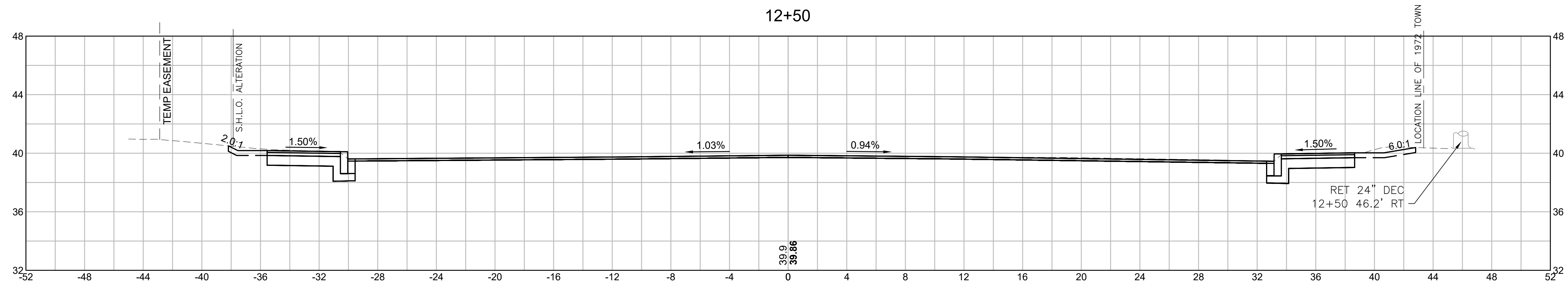
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRSS(001)X	38	48
PROJECT FILE NO.		609518	

CROSS SECTIONS

REM UPL#236-164 (BO)
12+82 33' RT

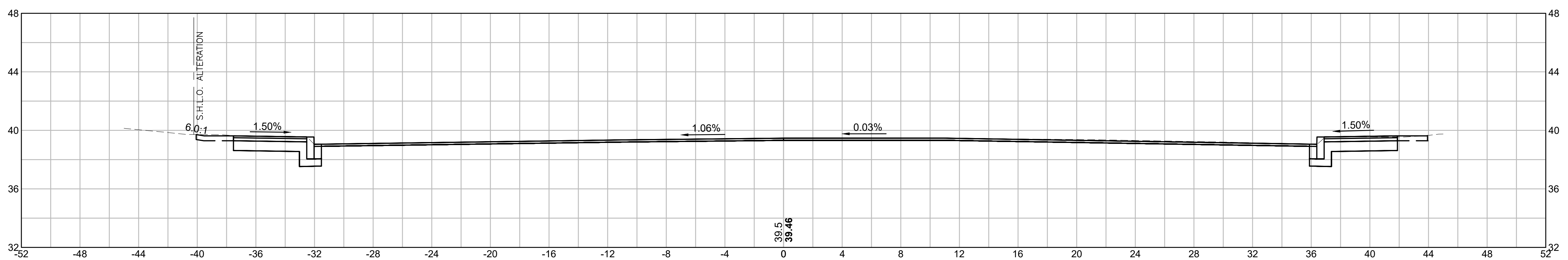
RESET UPL#236-164 (BO)
12+75 41' RT

LOCATION LINE OF 1972 TOWN L. O.



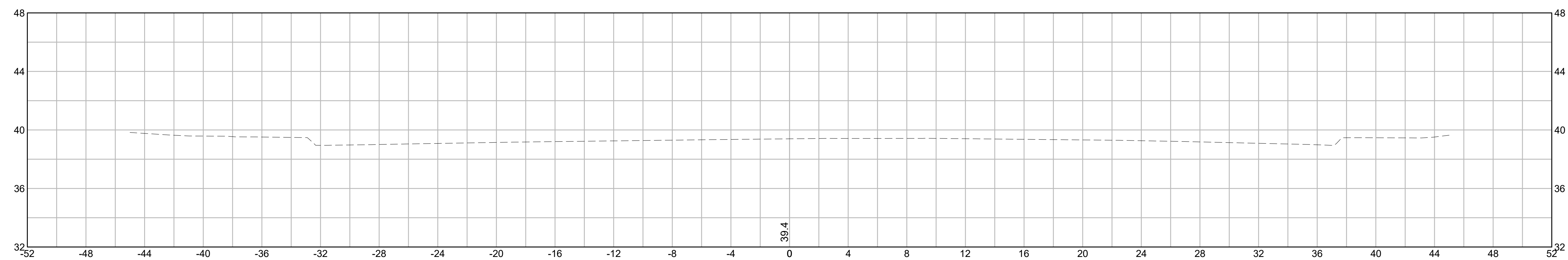
CUT: 27.18 SF
FILL: 0.00 SF

12+00

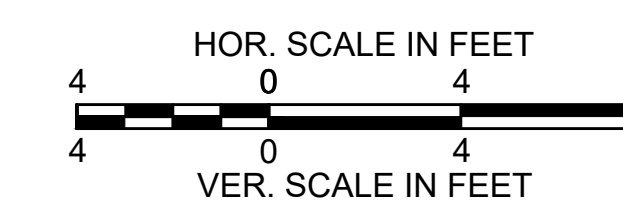


CUT: 26.80 SF
FILL: 0.00 SF

11+90



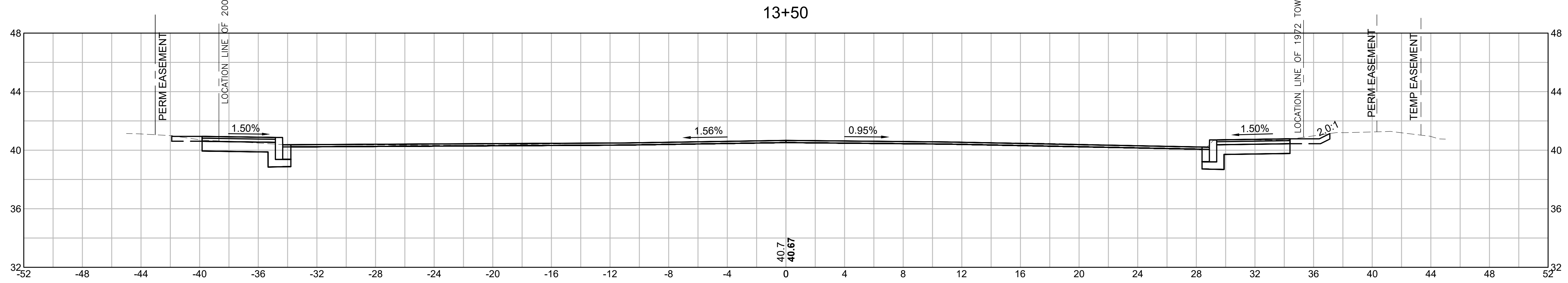
CUT: 0.00 SF
FILL: 0.00 SF



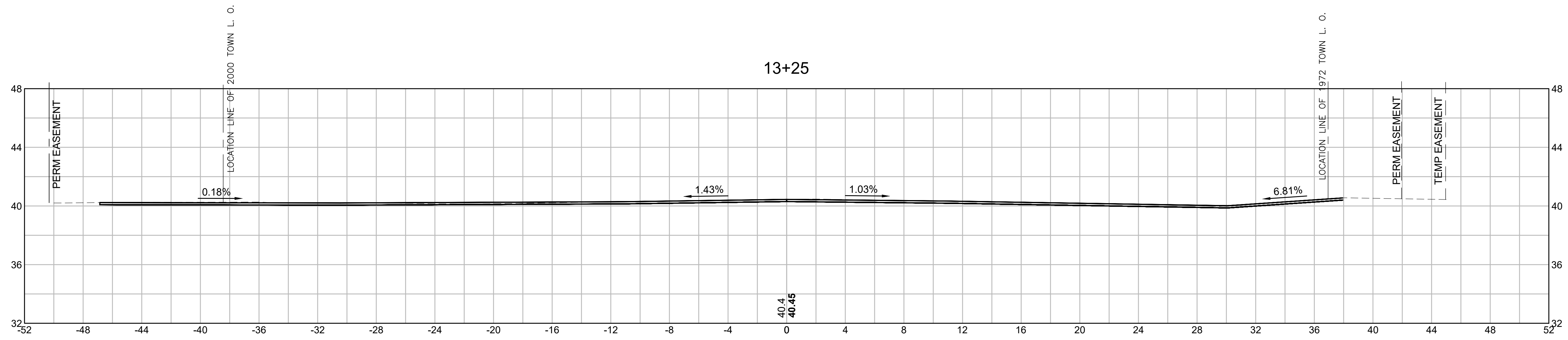
**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRSS(001)X	39	48
PROJECT FILE NO. 609518			

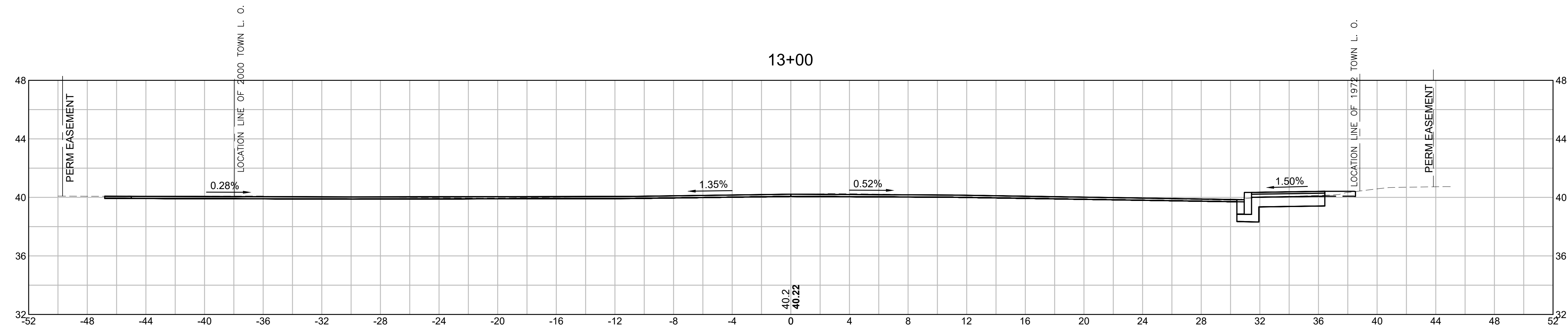
CROSS SECTIONS



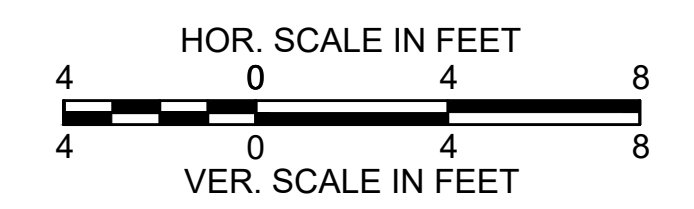
CUT: 22.51 SF
FILL: 0.00 SF



CUT: 1.56 SF
FILL: 0.00 SF



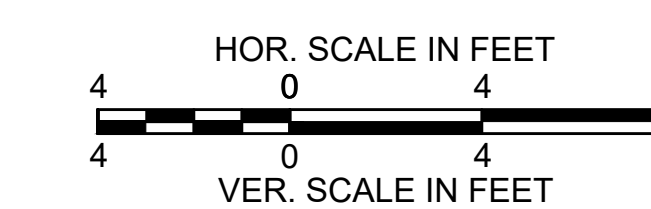
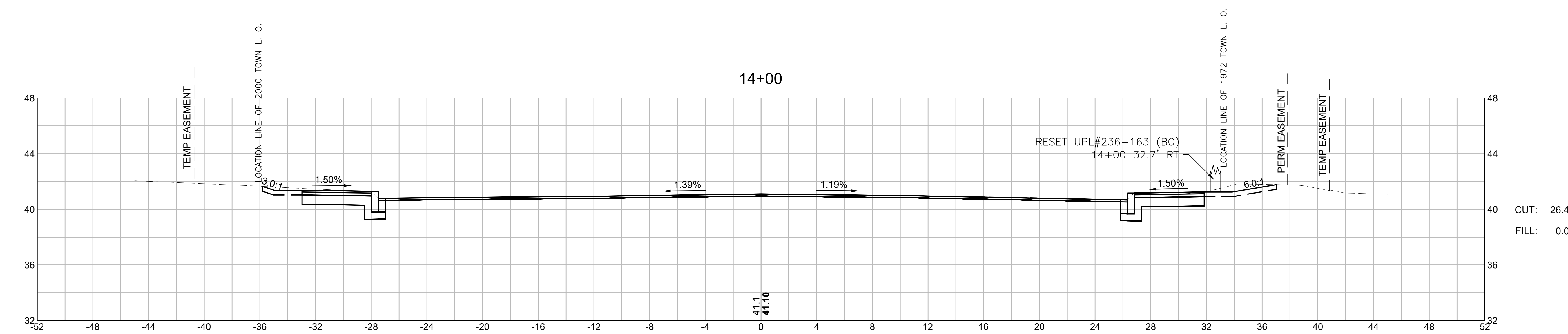
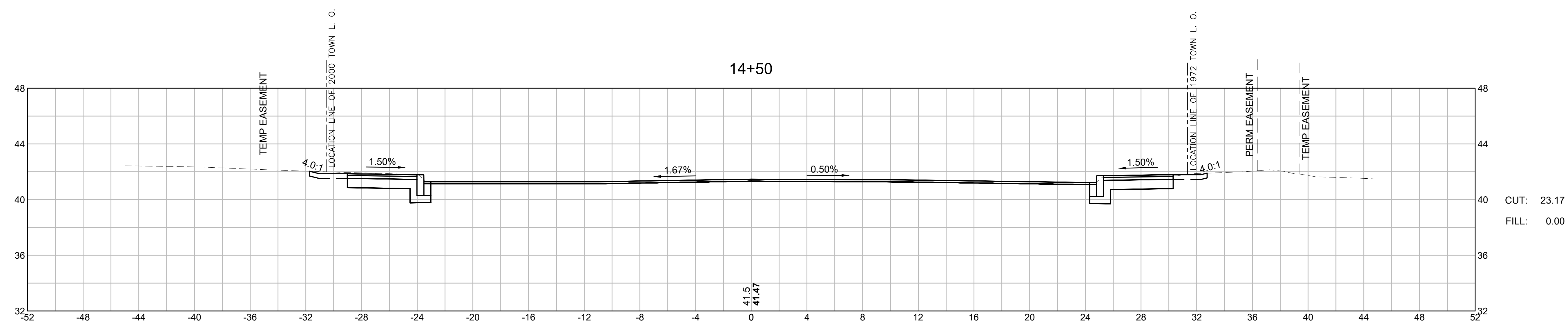
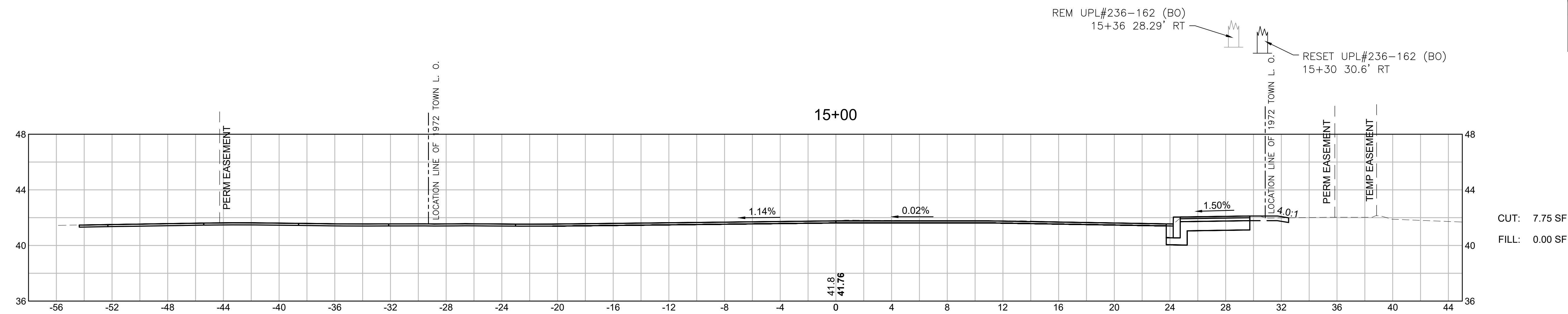
CUT: 16.86 SF
FILL: 0.00 SF



**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRSS(001)X	40	48
PROJECT FILE NO.		609518	

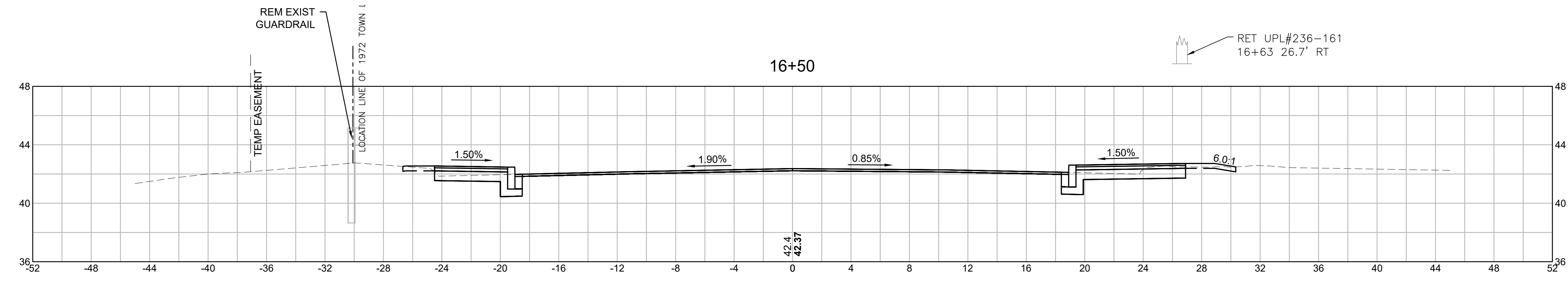
CROSS SECTIONS



**FAIRHAVEN
SCONTICUT NECK ROAD**

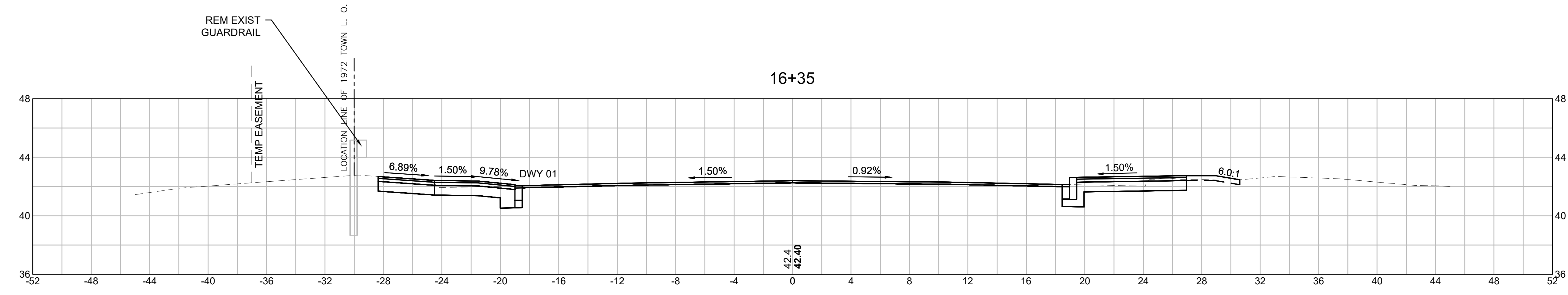
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SR55(001)X	41	48
PROJECT FILE NO.		609518	

CROSS SECTIONS

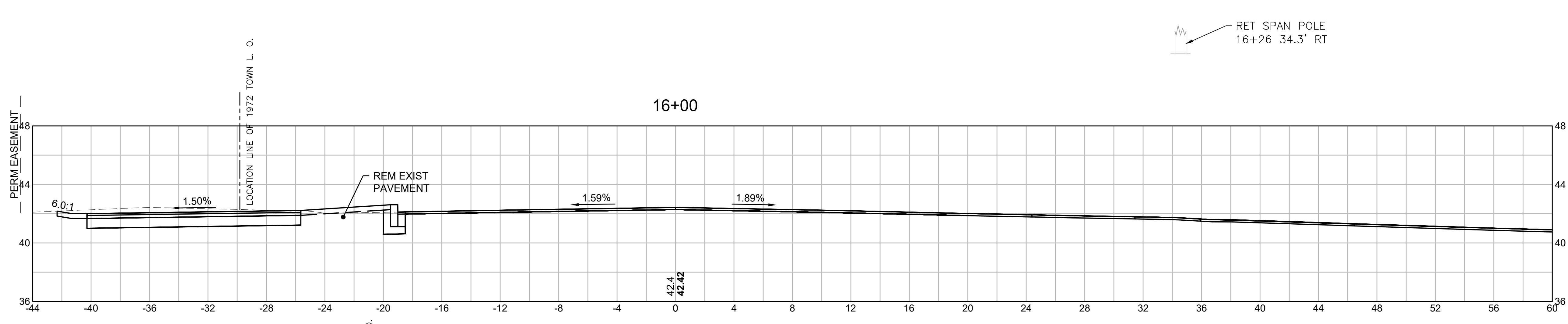


CUT: 16.82 SF
FILL: 0.00 SF

RET UPL#236-161
16+63 26.7' RT

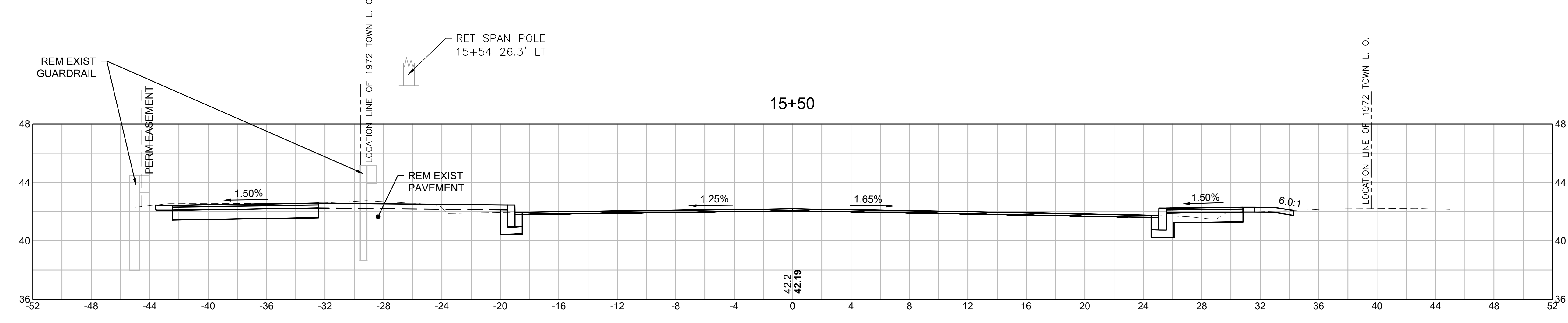


CUT: 20.96 SF
FILL: 0.00 SF



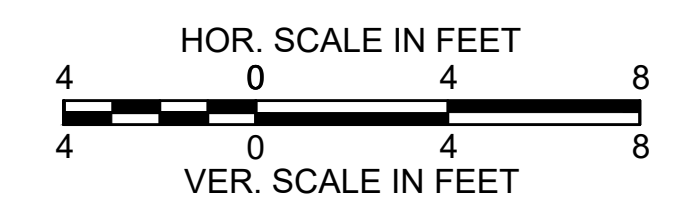
CUT: 26.96 SF
FILL: 0.24 SF

RET SPAN POLE
16+26 34.3' RT



CUT: 33.83 SF
FILL: 0.90 SF

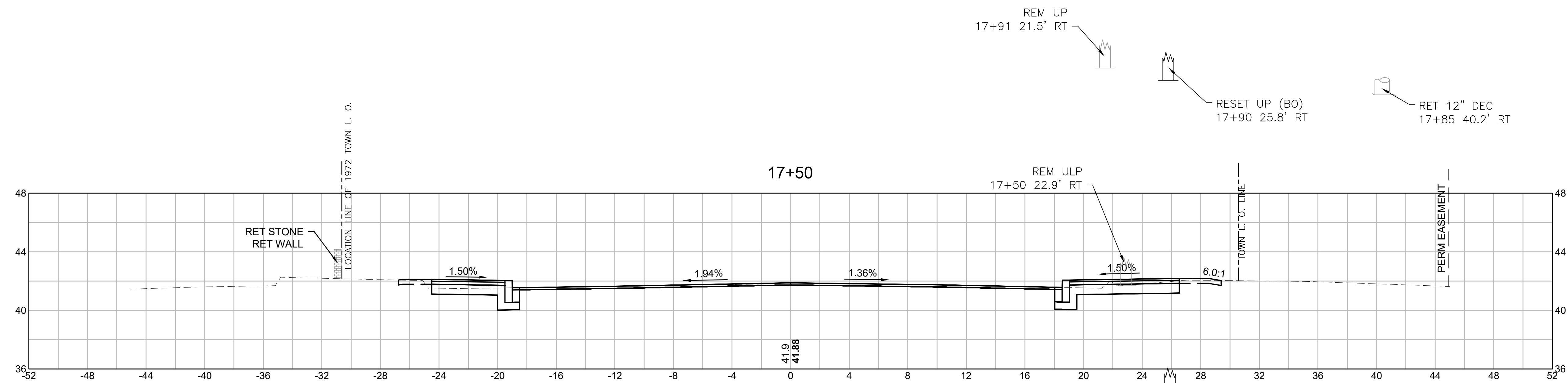
RET SPAN POLE
15+54 26.3' LT



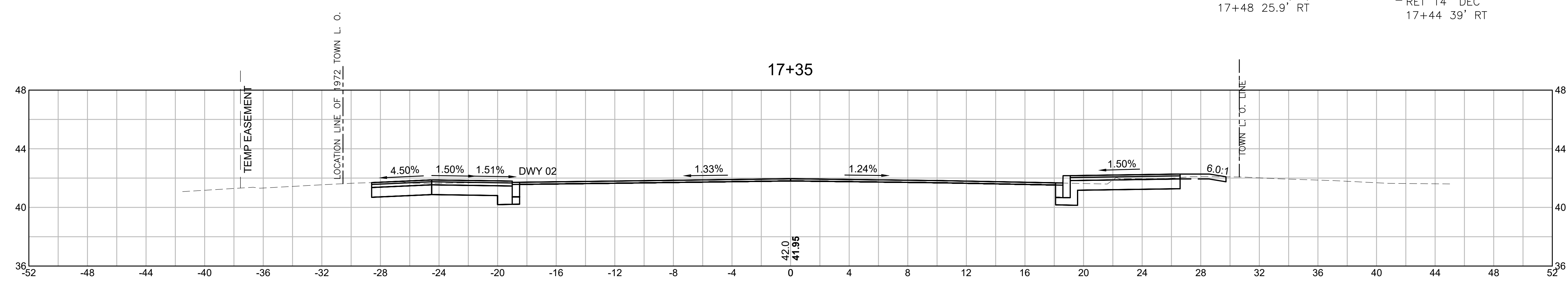
**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRSS(001)X	42	48
PROJECT FILE NO.		609518	

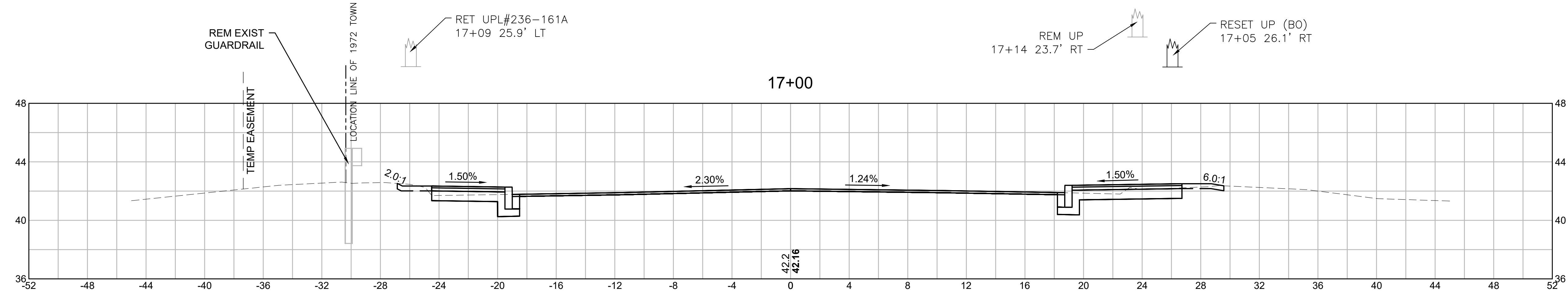
CROSS SECTIONS



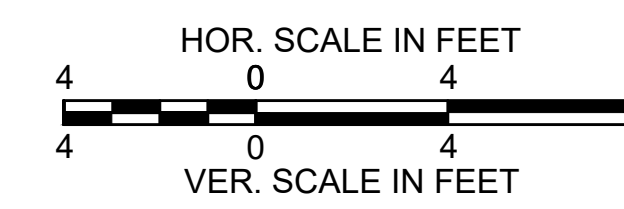
CUT: 16.87 SF
FILL: 0.10 SF



CUT: 22.09 SF
FILL: 0.00 SF



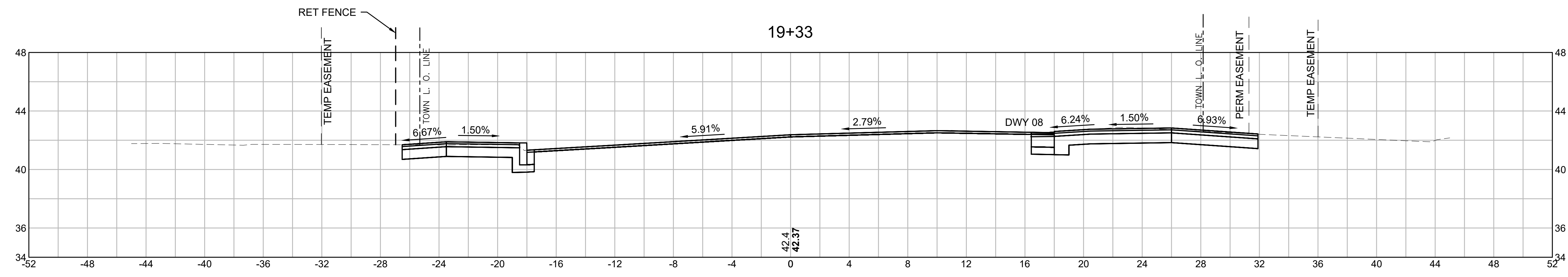
CUT: 16.84 SF
FILL: 0.04 SF



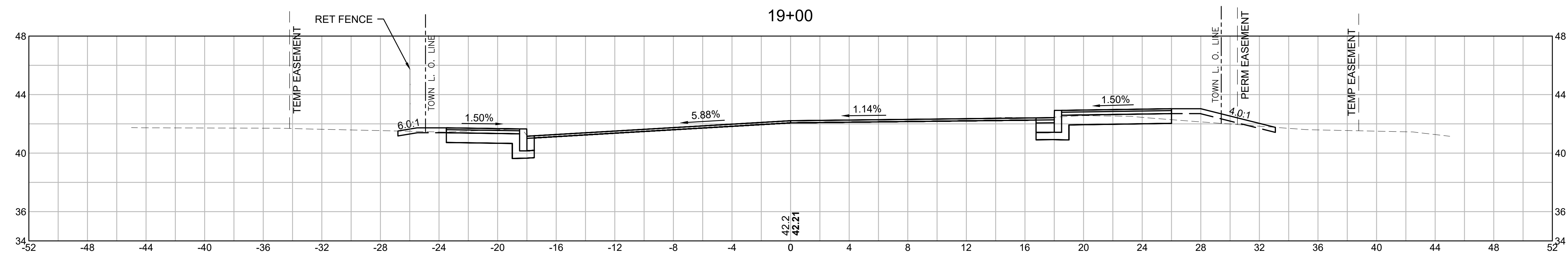
**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRSS(001)X	43	48
PROJECT FILE NO.		609518	

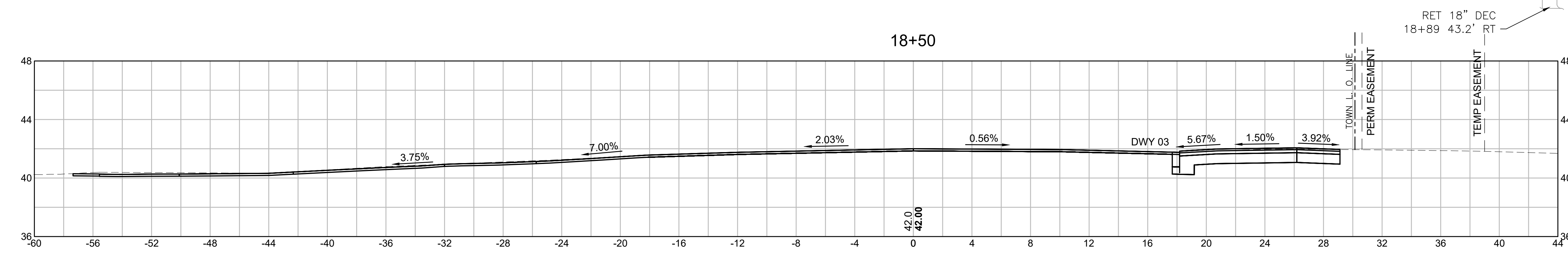
CROSS SECTIONS



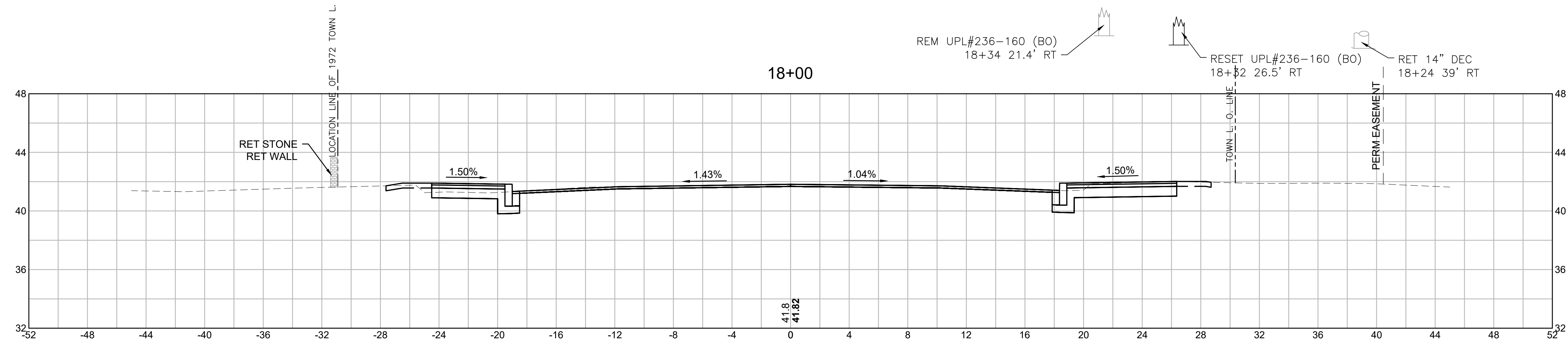
CUT: 29.06 SF
FILL: 0.00 SF



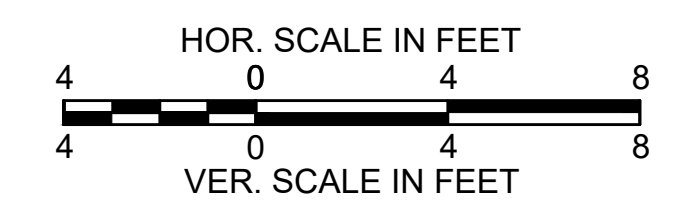
CUT: 19.79 SF
FILL: 1.85 SF



CUT: 11.35 SF
FILL: 0.00 SF



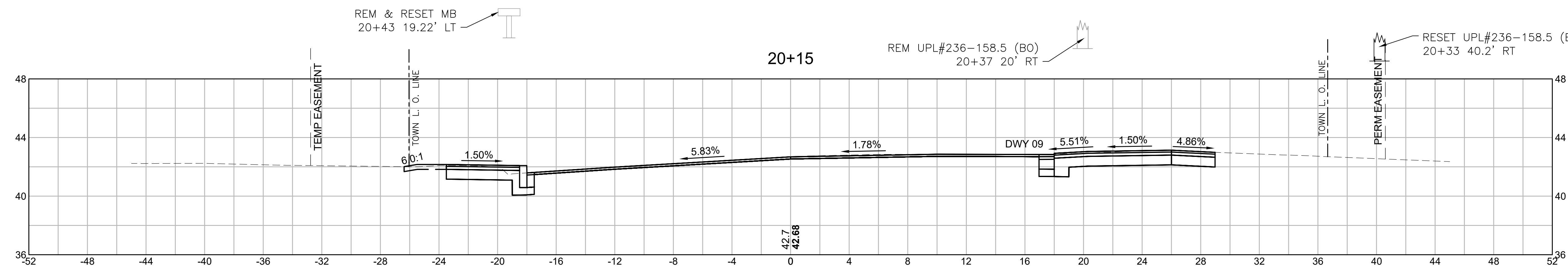
CUT: 19.61 SF
FILL: 0.21 SF



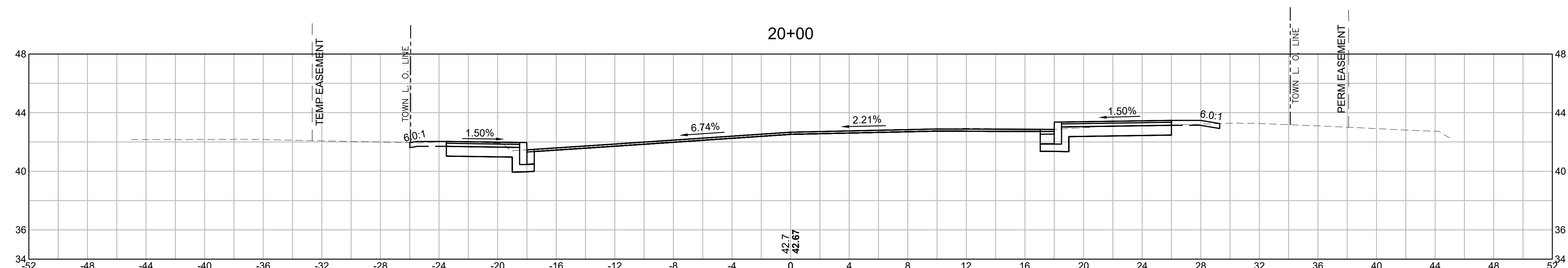
**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SR55(001)X	44	48
PROJECT FILE NO.		609518	

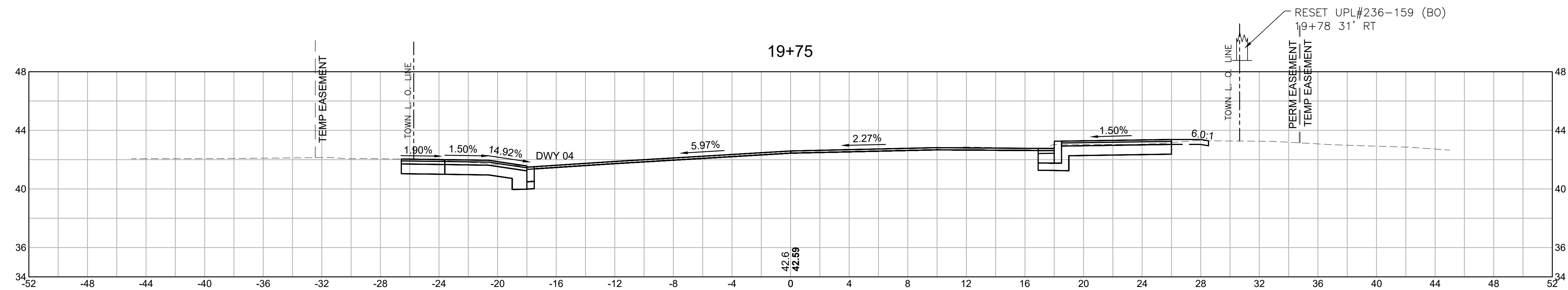
CROSS SECTIONS



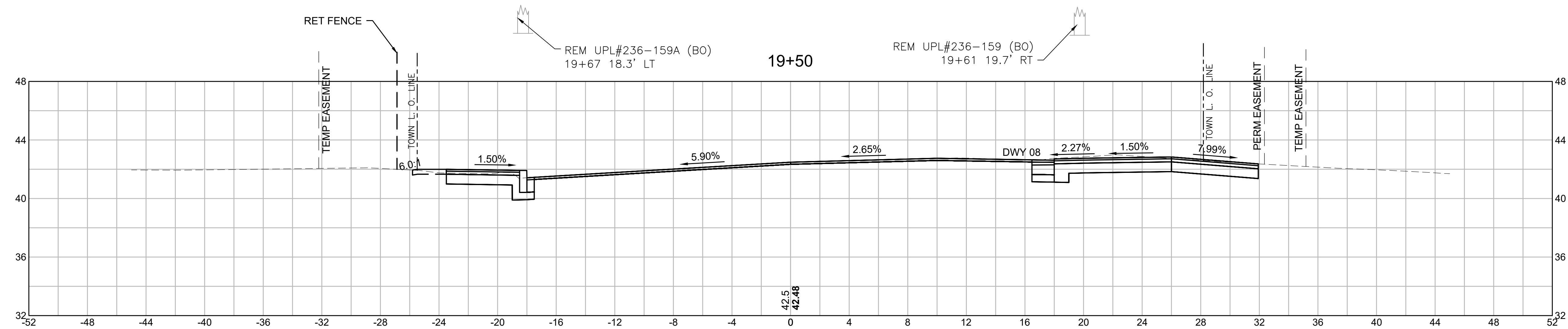
CUT: 25.39 SF
FILL: 0.00 SF



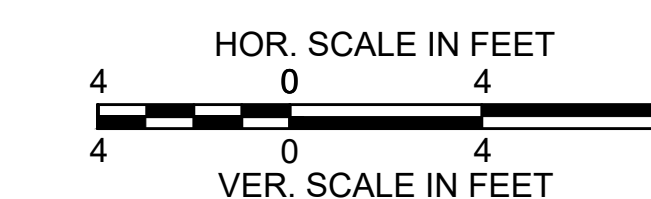
CUT: 20.86 SF
FILL: 0.00 SF



CUT: 23.87 SF
FILL: 0.00 SF



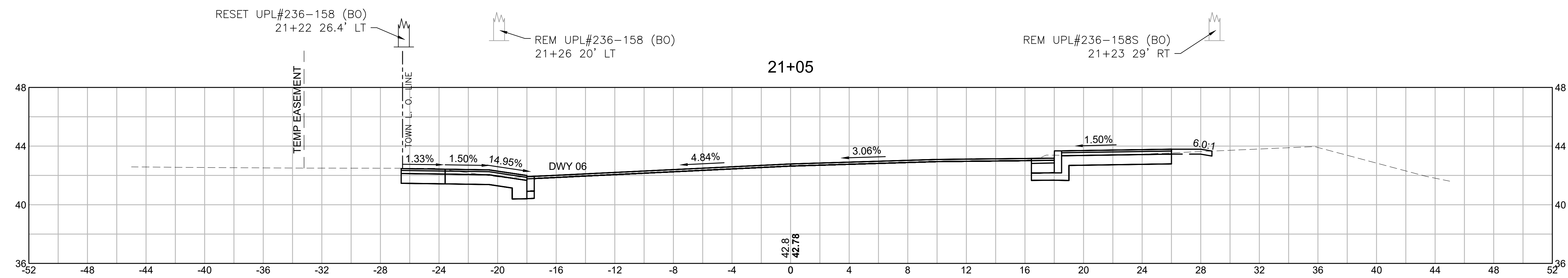
CUT: 26.17 SF
FILL: 0.00 SF



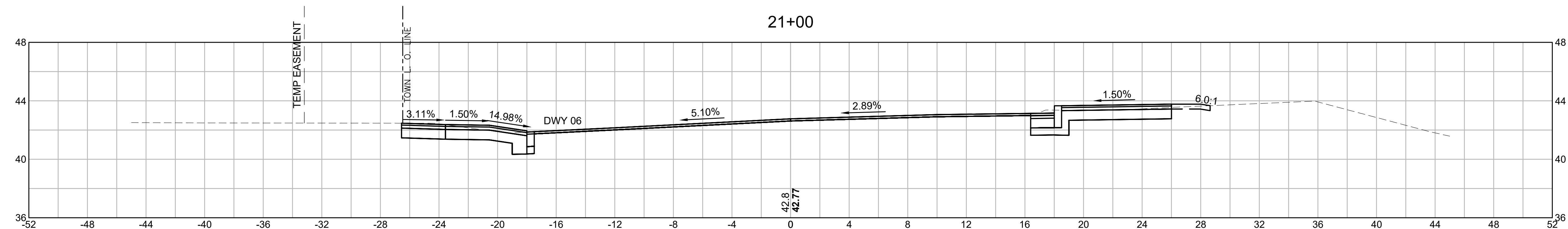
**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRSS(001)X	45	48
PROJECT FILE NO.		609518	

CROSS SECTIONS

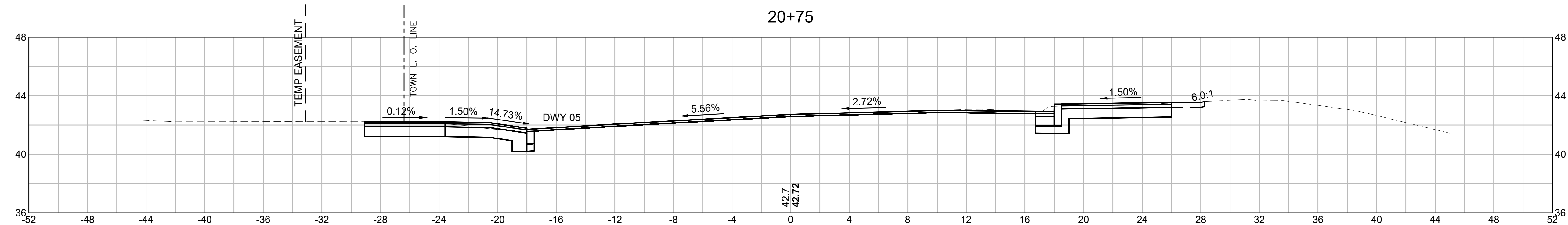


CUT: 23.26 SF
FILL: 0.00 SF

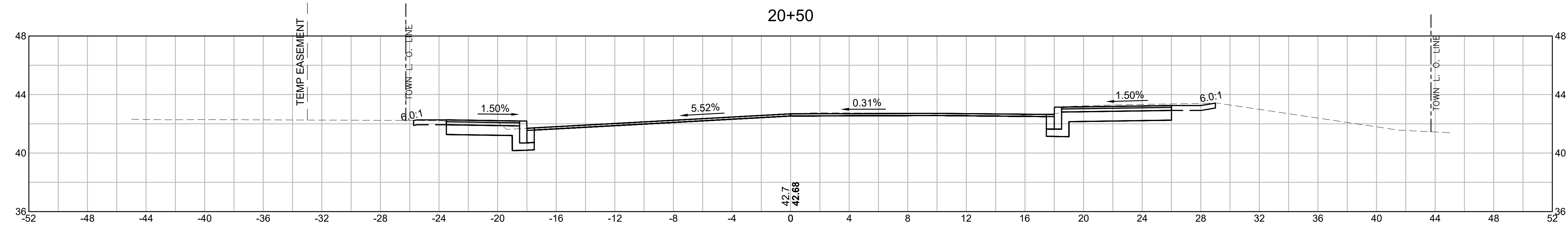


CUT: 23.45 SF
FILL: 0.00 SF

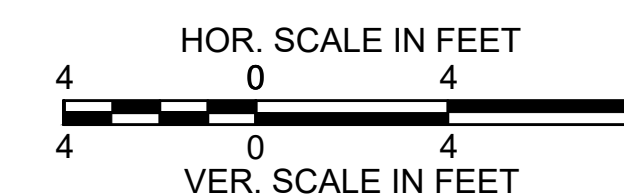
ADJ HYD
20+92 22.84' LT



CUT: 27.11 SF
FILL: 0.00 SF



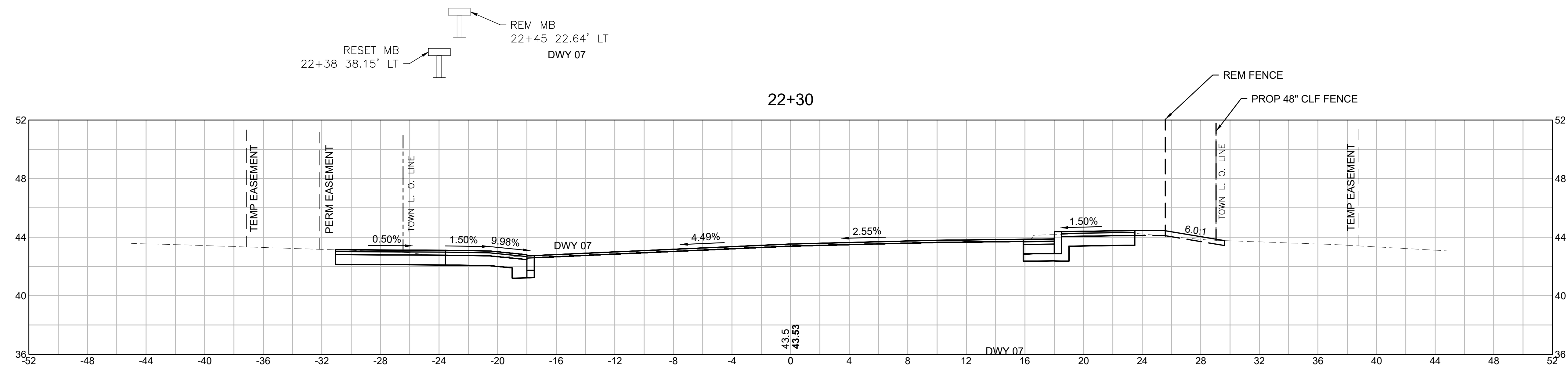
CUT: 24.12 SF
FILL: 0.00 SF



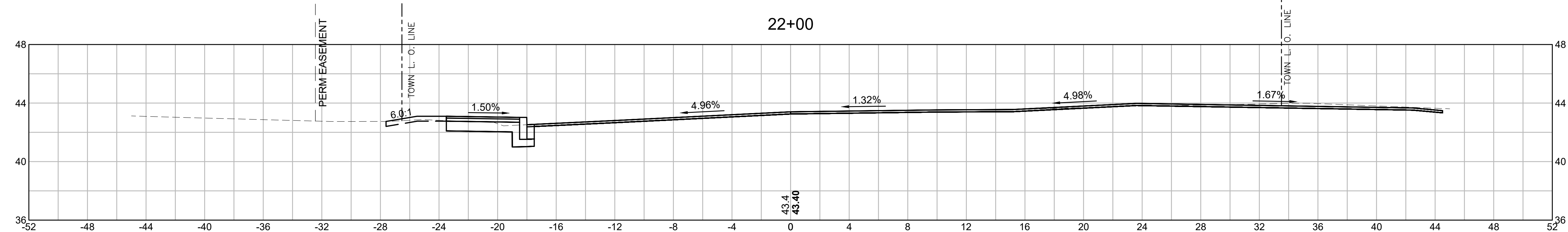
**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SR55(001)X	46	48
PROJECT FILE NO. 609518			

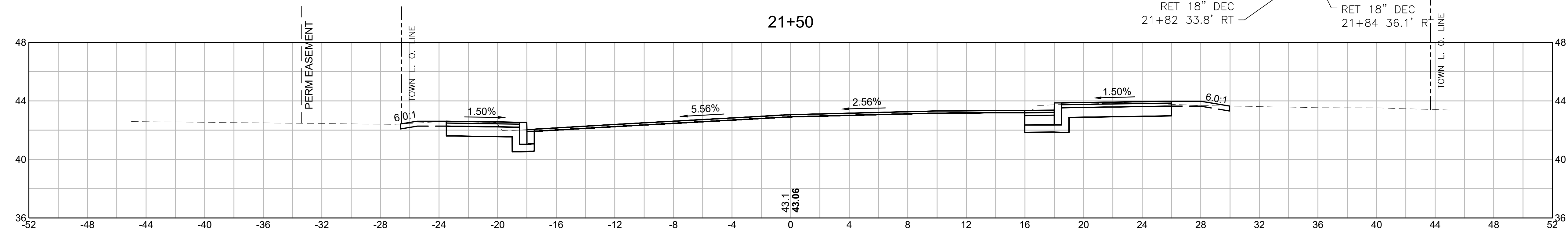
CROSS SECTIONS



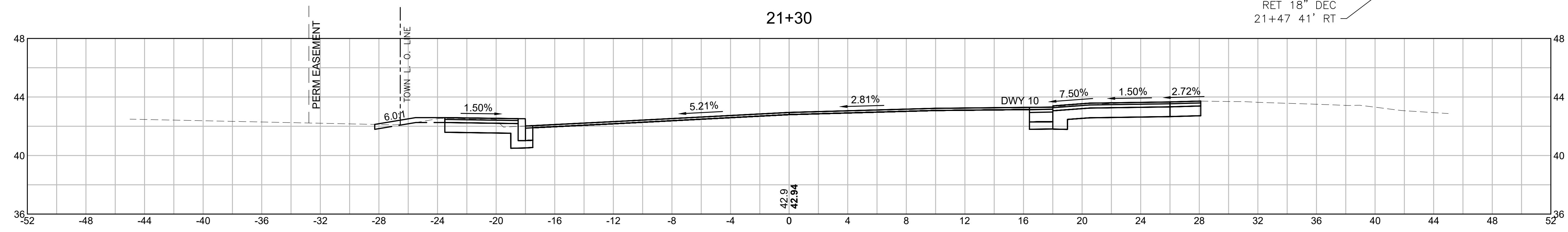
CUT: 26.67 SF
FILL: 0.02 SF



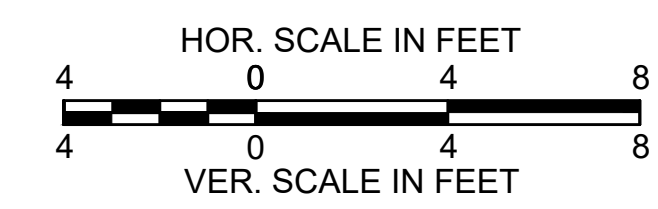
CUT: 5.63 SF
FILL: 0.00 SF



CUT: 24.85 SF
FILL: 0.00 SF



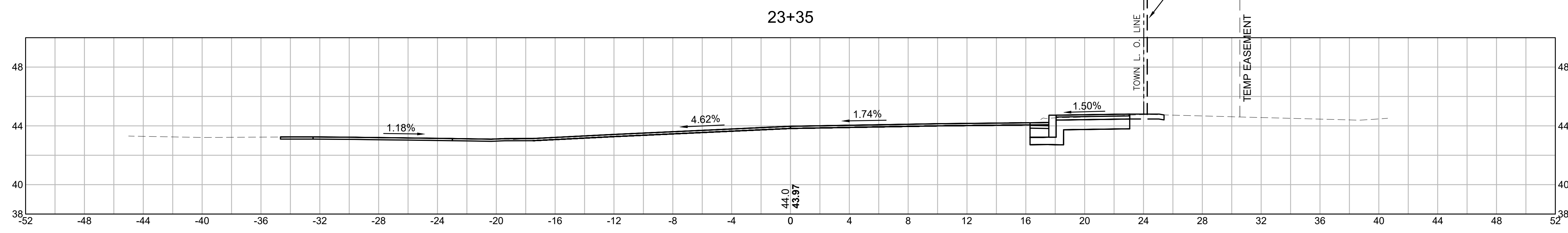
CUT: 24.83 SF
FILL: 0.00 SF



**FAIRHAVEN
SCONTICUT NECK ROAD**

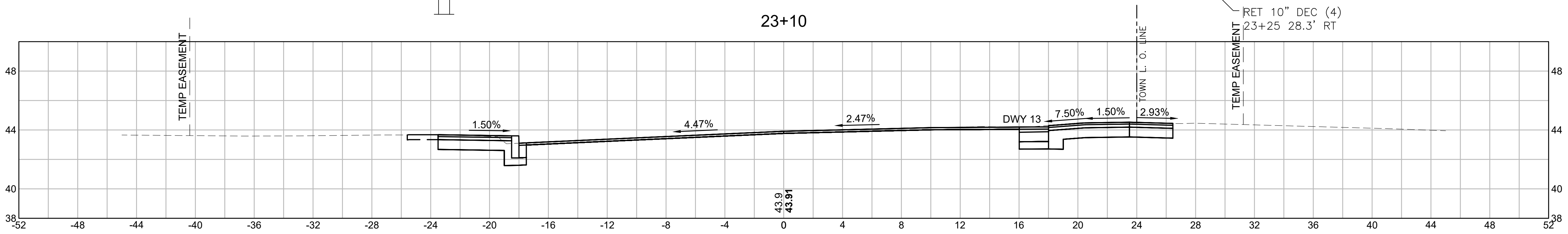
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRSS(001)X	47	48
PROJECT FILE NO.		609518	

CROSS SECTIONS



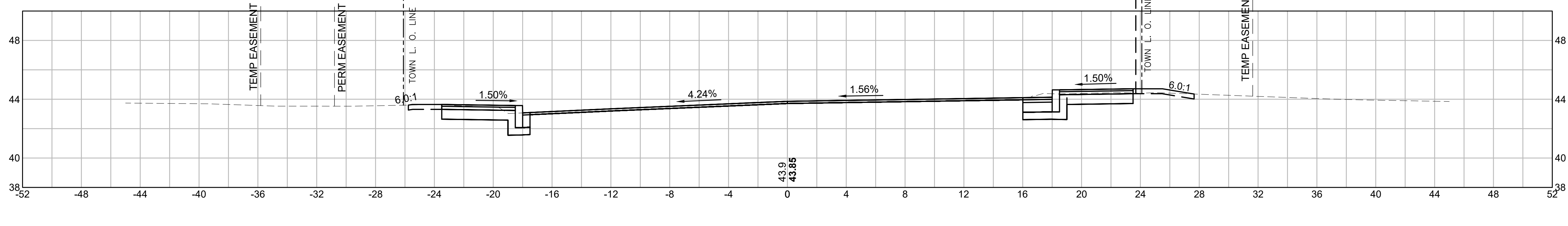
CUT: 8.44 SF
FILL: 0.00 SF

REM UPL#236-157 (BO)
23+10 23.5' LT



CUT: 24.52 SF
FILL: 0.00 SF

23+00



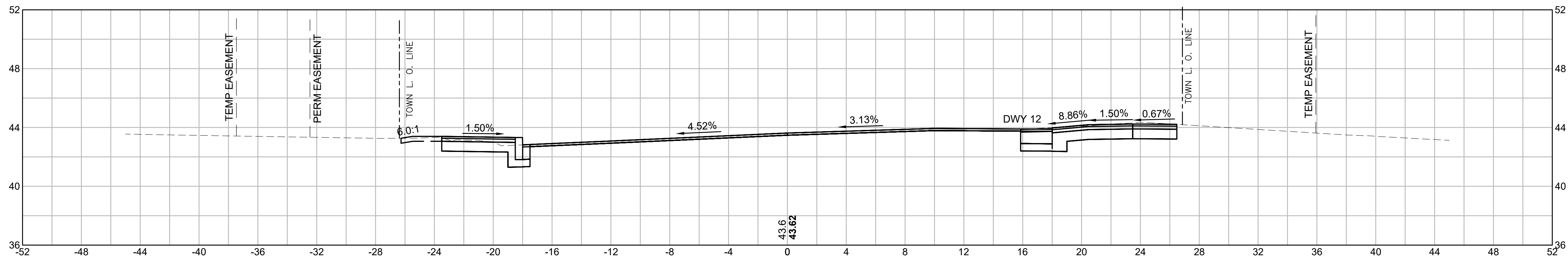
CUT: 20.93 SF
FILL: 0.00 SF

REM UPL#236-157 (BO)
22+56 21.2' LT

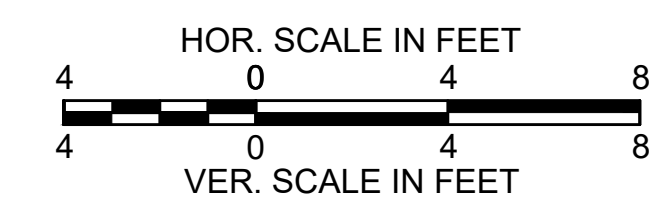
REM UP#236-157S (BO)
22+69 18.9' RT

RET 36" CON
22+81 27.1' RT

22+50



CUT: 23.63 SF
FILL: 0.00 SF



**FAIRHAVEN
SCONTICUT NECK ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	TAP-SRSS(001)X	48	48
PROJECT FILE NO.		609518	

CROSS SECTIONS

