

MASSACHUSETTS DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION

WELLFLEET ROUTE 6 / MAIN STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	1	178
PROJECT FILE NO.		607397	

TITLE SHEET & INDEX

PLAN AND PROFILE OF ROUTE 6 / MAIN STREET INTERSECTION AND CORRIDOR IMPROVEMENTS

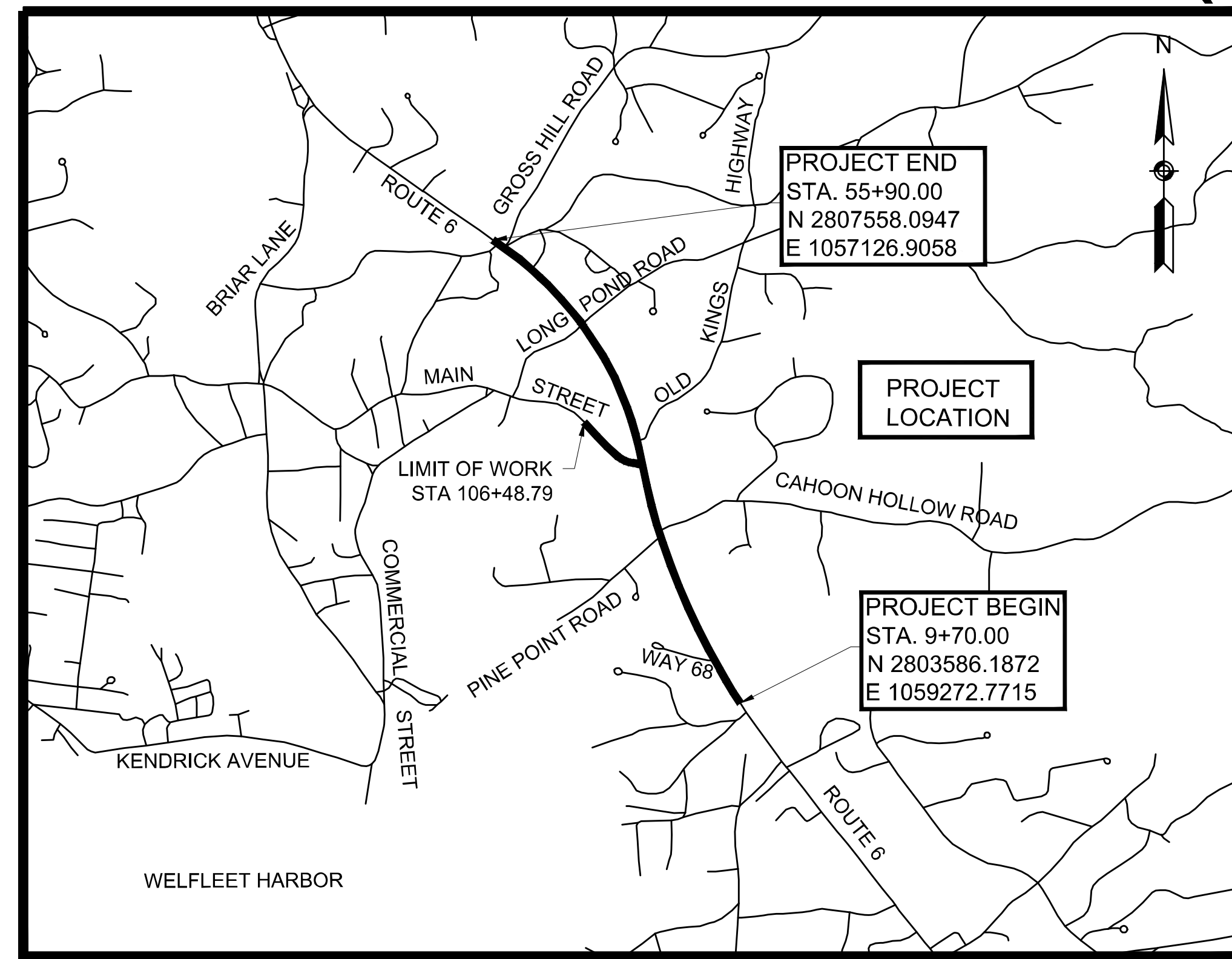
IN THE TOWN OF
WELLFLEET
BARNSTABLE COUNTY

FEDERAL AID PROJECT NO.

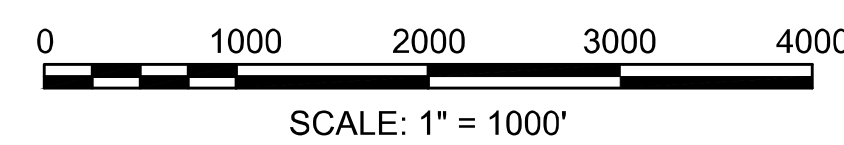
CMQ/HSI/STP/TAP-0035(052)X

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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DESIGN SPEED	DESIGN DESIGNATION	
	ROUTE 6	MAIN STREET
ADT (2019)	50 MPH	30 MPH
ADT (2029)	19,300	7,000
K	21,000	7,600
D	7.5%	7.7%
T (PEAK HOUR)	54% SB	51% EB
T (AVERAGE DAY)	2.0%	0.6%
DHV	2.0%	0.9%
DDHV	1,575	586
FUNCTIONAL CLASSIFICATION	850	299
	URBAN PRINCIPAL ARTERIAL	URBAN MINOR ARTERIAL



LENGTH OF PROJECT = 4,620.00 FEET = 0.875 MILES

HIGHWAY DESIGN BY STANTEC SHEETS:
1-4, 6-7, 9, 11-17, 21-26, 30-31, 33-39, 44-50, 55-61, 65-73, 77-83, 87-95, 97-98, 100-120, 123-159, 172-178

HIGHWAY DESIGN BY MBI SHEETS:
5, 8, 10, 18-20, 27-29, 32, 40-43, 51-54, 62-64, 76, 84-86, 92, 96, 99, 121-122, 160-171

HIGHWAY DESIGN BY VHB SHEETS:
74-75

DATE	DESCRIPTION	REV #



APPROVED



45 BLUE SKY DRIVE, 3RD FLOOR | BURLINGTON, MA 01803



125 CAMBRIDGE PARK DR, CAMBRIDGE, MA 02140



101 WALNUT STREET WATERTOWN, MA 02471

CHIEF ENGINEER

DATE

GENERAL SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
JB	JB	JERSEY BARRIER
CB	CB	CATCH BASIN
		CATCH BASIN CURB INLET
		GUTTER INLET
FP	FP	FLAG POLE
GP	GP	GAS PUMP
MB	MB	MAIL BOX
		POST SQUARE
		POST CIRCULAR
WELL	WELL	WELL
EHH	EHH	ELECTRIC HANDHOLE
		FENCE GATE POST
GG	GG	GAS GATE
BHL #	BHL #	BORING HOLE
MW #	MW #	MONITORING WELL
TP #	TP #	TEST PIT
		HYDRANT
		LIGHT POLE
CO.BD.		COUNTY BOUND
		GPS POINT
		CABLE MANHOLE
		DRAINAGE MANHOLE
		ELECTRIC MANHOLE
		GAS MANHOLE
		MISC MANHOLE
		SEWER MANHOLE
		TELEPHONE MANHOLE
		WATER MANHOLE
	ADJ	ADJUST MANHOLE
	ADJ	ADJUST HANDHOLE OR PULLBOX
	ADJ	ADJUST POST
	MHB	MASSACHUSETTS HIGHWAY BOUND
	MON	MONUMENT
	SB	STONE BOUND
	TB	TOWN OR CITY BOUND
		TRAVERSE OR TRIANGULATION STATION
TPL or GUY	TPL or GUY	TROLLEY POLE OR GUY POLE
HTP		TRANSMISSION POLE
UFB	UFB	UTILITY POLE W/ FIREBOX
UPDL	UPDL	UTILITY POLE WITH DOUBLE LIGHT
ULT	ULT	UTILITY POLE W/ 1 LIGHT
UPL	UPL	UTILITY POLE
		BUSH
		DECIDUOUS TREE
		ORNAMENTAL TREE
		TREE
		TREE AND PLANT PROTECTION FENCE
		TREE ARMORING AND PRUNING
		STUMP
		SWAMP / MARSH
WG	WG	WATER GATE
	ADJ	ADJUST WATER GATE OR GAS GATE
	PM	PARKING METER
		OVERHEAD CABLE/WIRE
		CURBING
		CONTOURS (ON-THE-GROUND SURVEY DATA)
		CONTOURS (PHOTOGRAMMETRIC DATA)
		UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND WATER MAIN (DOUBLE LINE 24 INCH AND OVER)
		BALANCED STONE WALL
		GUARD RAIL - STEEL POSTS
		GUARD RAIL - WOOD POSTS
		GUARD RAIL - DOUBLE FACE - STEEL POSTS
		GUARD RAIL - DOUBLE FACE - WOOD POSTS
		CHAIN LINK OR METAL FENCE
		WOOD FENCE
		SEDIMENT CONTROL BARRIER
		TREE LINE
		SAWCUT LINE
		TOP OR BOTTOM OF SLOPE
		LIMIT OF EDGE OF PAVEMENT OR COLD PLANE AND OVERLAY
		BANK OF RIVER OR STREAM
		BORDER OF WETLAND
		100 FT WETLAND BUFFER
		200 FT RIVERFRONT BUFFER
		STATE HIGHWAY LAYOUT
		TOWN OR CITY LAYOUT
		COUNTY LAYOUT
		RAILROAD SIDELINE
		TOWN OR CITY BOUNDARY LINE
		PROPERTY LINE OR APPROXIMATE PROPERTY LINE
		EASEMENT

GENERAL SYMBOLS CONT.

EXISTING	PROPOSED	DESCRIPTION
		WETLAND RESTORATION AREA
	MA-X	BORING LOCATION

TRAFFIC SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		CONTROLLER PHASE ACTUATED
		TRAFFIC SIGNAL HEAD (SIZE AS NOTED)
		WIRE LOOP DETECTOR (6' x 6' TYP UNLESS OTHERWISE SPECIFIED)
		VIDEO DETECTION CAMERA
		MICROWAVE DETECTOR
		PEDESTRIAN PUSH BUTTON, SIGN (DIRECTIONAL ARROW AS SHOWN) AND SADDLE
	*	EMERGENCY PREEMPTION CONFIRMATION STROBE LIGHT
		VEHICULAR SIGNAL HEAD
		VEHICULAR SIGNAL HEAD, OPTICALLY PROGRAMMED
		FLASHING BEACON
		PEDESTRIAN SIGNAL HEAD, (TYPE AS NOTED OR AS SPECIFIED)
		RAILROAD SIGNAL
		SIGNAL POST AND BASE (ALPHA-NUMERIC DESIGNATION NOTED)
		MAST ARM, SHAFT AND BASE (ARM LENGTH AS NOTED)
		HIGH MAST POLE OR TOWER
		SIGN AND POST
		SIGN AND POST (2 POSTS)
		MAST ARM WITH LUMINAIRE
		OPTICAL PRE-EMPTION DETECTOR
		CONTROL CABINET, GROUND MOUNTED
		CONTROL CABINET, POLE MOUNTED
		FLASHING BEACON CONTROL AND METER PEDESTAL
		LOAD CENTER ASSEMBLY
		PULL BOX 12"x12" (OR AS NOTED)
		ELECTRIC HANDHOLE 12"x24" (OR AS NOTED)
		TRAFFIC SIGNAL CONDUIT
		CONCRETE ENCASED TRAFFIC SIGNAL CONDUIT
		ONE-WAY WHITE SLOTTED PAVEMENT MARKER (20' SPACING)

PAVEMENT MARKINGS SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		PAVEMENT ARROW - WHITE
		LEGEND "ONLY" - WHITE
	SL	STOP LINE - 12" WIDTH - WHITE
	CW	CROSSWALK - 12" WIDTH - WHITE
	SWL	SOLID WHITE LINE - 6" WIDTH
	SYL	SOLID YELLOW LINE - 6" WIDTH
	BWL	BROKEN WHITE LINE - 10' LINE, 30' GAP - 6" WIDTH
	BYL	BROKEN YELLOW LINE - 10' LINE, 30' GAP - 6" WIDTH
	DWL	DOTTED WHITE LINE - 3' LINE, 9' GAP - 6" WIDTH
	DYL	DOTTED YELLOW LINE - 3' LINE, 9' GAP - 6" WIDTH
	DWLEx	DOTTED WHITE LINE EXTENSION - 2' LINE, 6' GAP - 6" WIDTH
	DYLEx	DOTTED YELLOW LINE EXTENSION - 2' LINE, 6' GAP - 6" WIDTH
	DBWL	DOUBLE WHITE LINE - 2-6" WIDTH LINES - 10" O.C.
	DBYL	DOUBLE YELLOW LINE - 2-6" WIDTH LINES - 10" O.C.
	WTL	WHITE TRANSVERSE LINE - 15' SPACE, 3:1 SLOPE - 12" WIDTH
	YTL	YELLOW TRANSVERSE LINE - 15' SPACE, 3:1 SLOPE - 12" WIDTH

ABBREVIATIONS

GENERAL	DESCRIPTION
AADT	ANNUAL AVERAGE DAILY TRAFFIC
ABAN	ABANDON
ADJ	ADJUST
APPROX.	APPROXIMATE
A.C.	ASPHALT CONCRETE
ACCM PIPE	ASPHALT COATED CORRUGATED METAL PIPE
BIT.	BITUMINOUS
BC	BOTTOM OF CURB
BD.	BOUND
BL	BASELINE
BLDG	BUILDING
BM	BENCHMARK
BO	BY OTHERS
BOS	BOTTOM OF SLOPE
BR.	BRIDGE
CB	CATCH BASIN
CBCI	CATCH BASIN WITH CURB INLET
CC	CEMENT CONCRETE
CCB	CAPE COD BERM
CCM	CEMENT CONCRETE MASONRY
CEM	CEMENT
CEV	CONTROLLED ENVIRONMENT VAULT
CI	CURB INLET
CIP	CAST IRON PIPE
CLF	CHAIN LINK FENCE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CSP	CORRUGATED STEEL PIPE
CO.	COUNTY
CONC	CONCRETE
CONT	CONTINUOUS
CONST	CONSTRUCTION
CR GR	CROWN GRADE
DHV	DESIGN HOURLY VOLUME
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DS	DRAIN MANHOLE WITH SUMP
DW	STEADY DON'T WALK - PORTLAND ORANGE
DWY	DRIVEWAY
ELEV (or EL.)	ELEVATION
EMB	EMBANKMENT
EOP	EDGE OF PAVEMENT
EXIST (or EX)	EXISTING
EXC	EXCAVATION
F&C	FRAME AND COVER
F&G	FRAME AND GRATE
FDN.	FOUNDATION
FLDSTN	FIELDSTONE
GAR	GARAGE
GD	GROUND
GG	GAS GATE
GI	GUTTER INLET
GIP	GALVANIZED IRON PIPE
GRAN	GRANITE
GRAV	GRAVEL
GRD	GUARD
HDW	HEADWALL
HMA	HOT MIX ASPHALT
HOR	HORIZONTAL
HYD	HYDRANT
ICV	IRRIGATION CONTROL VALVE
INV	INVERT
JCT	JUNCTION
L	LENGTH OF CURVE
LB	LEACH BASIN
LG	LEACHING GALLEY
LP	LIGHT POLE
LST	LOW SEATED TIMBER
LT	LEFT
MAX	MAXIMUM
MB	MAILBOX
MH	MANHOLE
MHB	MASSACHUSETTS HIGHWAY BOUND
MIN	MINIMUM
NIC	NOT IN CONTRACT
NO.	NUMBER
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCR	PEDESTRIAN CURB RAMP
P.G.L.	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
POC	POINT ON CURVE
POT	POINT ON TANGENT
PRC	POINT OF REVERSE CURVATURE
PRF	POST AND RAIL FENCE
PROJ	PROJECT

WELLFLEET
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LEGEND & ABBREVIATIONS

ABBREVIATIONS (cont.)

GENERAL	DESCRIPTION
PROP	PROPOSED
PSB	PLANTABLE SOIL BORROW
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
PVMT	PAVEMENT
PWW	PAVED WATER WAY
R	RADIUS OF CURVATURE
R&D	REMOVE AND DISPOSE
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RDWY	ROADWAY
REM	REMOVE
RET	RETAIN
RET WALL	RETAINING WALL
ROW	RIGHT OF WAY
RR	RAILROAD
R&R	REMOVE AND RESET
R&S	REMOVE AND STACK
RT	RIGHT
SB	STONE BOUND
SHLD	SHOULDER
SL	SOLAR LIGHT
SMH	SEWER MANHOLE
ST	STREET
STA	STATION
SSD	STOPPING SIGHT DISTANCE
SHLO	STATE HIGHWAY LAYOUT LINE
SW	SIDEWALK
T	TANGENT DISTANCE OF CURVE/TRUCK %
TAN	TANGENT
TEMP	TEMPORARY
TC	TOP OF CURB
TOS	TOP OF SLOPE
TYP	TYPICAL
UP	UTILITY POLE
VAR	VARIES
VERT	VERTICAL
VC	VERTICAL CURVE
WG	WATER GATE
WIP	WROUGHT IRON PIPE
WM	WATER METER/WATER MAIN
X-SECT	CROSS SECTION

TRAFFIC SIGNAL ABBREVIATIONS

CAB	CABINET
CCVE	CLOSED CIRCUIT VIDEO EQUIPMENT
DW	STEADY UPRAISED HAND
FDW	FLASHING UPRAISED HAND
FR	FLASHING CIRCULAR RED
FRL	FLASHING RED LEFT ARROW
FRR	FLASHING RED RIGHT ARROW
FY	FLASHING CIRCULAR YELLOW
FYL	FLASHING YELLOW LEFT ARROW
FYR	FLASHING YELLOW RIGHT ARROW
G	STEADY CIRCULAR GREEN
GL	STEADY GREEN LEFT ARROW
GR	STEADY GREEN RIGHT ARROW
GSL	STEADY GREEN SLASH LEFT ARROW
GSR	STEADY GREEN SLASH RIGHT ARROW
GV	STEADY GREEN VERTICAL ARROW
OL	OVERLAP
PED	PEDESTRIAN
PTZ	PAN, TILT, ZOOM
R	STEADY CIRCULAR RED
RL	STEADY RED LEFT ARROW
RR	STEADY RED RIGHT ARROW
TR SIG	TRAFFIC SIGNAL
TSC	TRAFFIC SIGNAL CONDUIT
W	STEADY WALKING PERSON
Y	STEADY CIRCULAR YELLOW
YL	STEADY YELLOW LEFT ARROW

**WELLFLEET
ROUTE 6 / MAIN STREET**

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MA	CMQ/HS/STP/TAP-0035(052)X	3	178
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GENERAL NOTES

GENERAL NOTES:

1. THE CONTRACTOR IS HEARBY ALERTED THAT THESE PLANS WERE GENERATED WITH THE USE OF TWO SURVEYS. SURVEY 1 RANGES FROM STA 9+70.00 -12+85.00 & STA 39+26.04 TO 55+90.00. SURVEY 2 RANGES FROM STA 12+85.00 TO 39+26.04.
2. WETLAND RESOURCE AREAS WERE DELINEATED BY LEC ENVIRONMENTAL CONSULTANTS, INC. ON OCTOBER 31, 2014 AND WERE FIELD LOCATED BY SURVEY AND MAPPING CONSULTANTS (A DAWOOD COMPANY).
3. THE CONTRACTOR SHALL REMOVE ALL PAVEMENT, GRASSED AREAS, AND OTHER EXISTING FEATURES NOT DESIGNATED TO REMAIN WITHIN THE PROPOSED RECONSTRUCTION AREA.
4. REMOVAL OF EXISTING ITEMS NOT PAID FOR UNDER A SEPARATE PAY ITEM SHALL BE PAID FOR UNDER ITEM 120.1 UNCLASSIFIED EXCAVATION. THESE ITEMS INCLUDE BUT ARE NOT LIMITED TO CURB, IRRIGATION CONTROL VALVES, CEMENT POSTS, AND REFLECTOR POSTS.
5. WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT, THE JOINT SHALL BE SAWCUT TO A NEAT VERTICAL LINE.
6. THE CONTRACTOR SHALL MAINTAIN AREAS IN AND AROUND THE WORK ZONE FREE AND CLEAR OF DEBRIS AT ALL TIMES. NO STOCKPILING OF EQUIPMENT OR MATERIAL SHALL BE PERMITTED OUTSIDE OF FIXED WORK ZONES.
7. UTILITY POLES, MAILBOXES AND HYDRANTS THAT ARE TO BE RETAINED OR ADJUSTED SHALL BE REMOVED AND RESET IF FIELD CONDITIONS INDICATE THE CLEAR PATH OF TRAVEL ON THE SIDEWALK IS LESS THAN 3 FEET.
8. ITEM 156. CRUSHED STONE SHALL BE USED UNDER DRAINAGE STRUCTURES AND PIPES IF UNSUITABLE MATERIALS ARE FOUND.
9. DURING CONSTRUCTION, SILT SACKS (ITEM 697.1) SHALL BE USED ON ALL EXISTING AND PROPOSED CATCH BASINS WITHIN THE PROJECT LIMITS.
10. TEMPORARY SUPPORT OF EXCAVATION SHOWN ON THESE PLANS ARE FOR REFERENCE ONLY. CONTRACTOR SHALL DETERMINE ACTUAL LOCATIONS IN THE FIELD GIVEN THE LOCATIONS OF EXISTING UTILITIES OR RELATED STRUCTURES THAT ARE TO REMAIN IN SERVICE DURING EXCAVATION OPERATIONS.
11. R&D ITEMS SHALL BE PAID FOR UNDER ITEM 120.1 UNCLASSIFIED EXCAVATION UNLESS ANOTHER ITEM IS PROVIDED FOR REMOVAL. THIS INCLUDES BUT IS NOT LIMITED TO TREE, WOOD PLANTER, AND LOW SEATED TIMBER REMOVAL.
12. R&D TREE SHALL BE PAID FOR UNDER THE APPROPRIATE TREE REMOVAL ITEMS OR CLEARING AND GRUBBING.
13. THE CONTRACTOR IS HEREBY ALERTED TO THE PRESENCE OF A "SENSITIVE RESOURCE AREA" - DUCK CREEK CEMETERY - LOCATED ADJACENT TO THE STATE HIGHWAY LAYOUT IMMEDIATELY NORTHEAST OF THE ROUTE 6 AND CAHOON HOLLOW ROAD INTERSECTION (STA 25+50 RT TO STA 29+00 RT). PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PLACE TEMPORARY TREE AND PLANT PROTECTION FENCE ALONG THE LIMITS OF THE ROUTE 6 AND CAHOON HOLLOW ROAD PROJECT WORK ADJACENT TO THE CEMETERY PROPERTY. NO EXCAVATION, GRADING OR FILLING ACTIVITIES, OR STORAGE OF EQUIPMENT, VEHICLES OR MATERIALS SHALL TAKE PLACE BEYOND THE TEMPORARY PROTECTIVE FENCING WITHIN THE SENSITIVE RESOURCE AREA..
14. THE PROPERTIES LOCATED AT 2619 AND 2665 ROUTE 6 HAVE BEEN IDENTIFIED AS HAVING FOUR RELEASES OF OIL AND/OR HAZARDOUS MATERIALS (OHM). IF OHM IMPACTED SOIL OR GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION OPERATIONS, CONTAMINANTS SHALL BE HANDLED IN ACCORDANCE WITH THE ENVIRONMENTAL HEALTH AND SAFETY PLAN (EHASP) AND PAID FOR UNDER THE RESPECTIVE 180 ITEM. WHERE FEASIBLE AND AS REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL REUSE EXISTING SOILS IN ACCORDANCE WITH MASSDEP'S SIMILAR SOILS PROVISION GUIDANCE.
15. MAILBOXES TO BE REMOVED AND RESET SHALL REUSE EXISTING POSTS THAT ARE IN GOOD CONDITION, AS DIRECTED BY THE ENGINEER. REMOVING AND RESETTING OF EXISTING POSTS SHALL BE INCIDENTAL TO THE MAILBOX REMOVED AND RESET ITEM.
16. LIMITS OF CLEARING AND GRUBBING SHALL EXTEND FIVE FEET BEYOND THE SLOPE LIMIT IN WOODED AREAS EXCEPT WITHIN WETLAND AREAS. CLEARING AND GRUBBING SHALL NOT EXTEND INTO EXISTING WETLANDS INCLUDING THE EXISTING SALT MARSH.
17. THERE ARE FOUR RELEASE SITES WITHIN THE PROJECT LIMITS RELATING TO TWO PROPERTIES: 2619 AND 2665 ROUTE 6. THE CONTRACTOR SHALL REUSE SOILS IN PLACE IN ACCORDANCE WITH MASSDEP'S SIMILAR SOILS PROVISION GUIDANCE, WSC# - 13-500. EXCESS SOILS THAT CANNOT BE REUSED IN PLACE SHALL BE DISPOSED OF PER REGULATIONS.

UTILITY NOTES:

1. INFORMATION REGARDING SUBSURFACE TELECOMMUNICATIONS LINES WHICH HAVE BEEN PROVIDED BY VERIZON-NEW ENGLAND IS TO BE USED ONLY FOR CURRENT DESIGN RELATED TO THE DEPICTED SITE; USERS OF THESE DRAWINGS WHO WISH TO SHOW SAID TELECOMMUNICATIONS INFORMATION IN THEIR OWN PRODUCTS MUST OBTAIN PERMISSION TO DO SO DIRECTLY FROM VERIZON-NEW ENGLAND.
2. ALL UNDERGROUND UTILITIES SHOWN ON THESE PLANS WERE COMPILED UTILIZING FIELD SURVEY INFORMATION AND AVAILABLE RECORD INFORMATION. RECORD INFORMATION PROVIDED BY THE VARIOUS UTILITY COMPANIES AND PUBLIC AGENCIES ARE APPROXIMATE ONLY AND ACTUAL LOCATIONS SHALL BE DETERMINED IN THE FIELD.
3. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, SHALL BE NOTIFIED, INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THESE PLANS, (SEE CHAPTER 370, ACTS OF 1963, MASSACHUSETTS) PRIOR TO DESIGNING, EXCAVATING, BLASTING, INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORING, OR REPAVING.
4. THE CONTRACTOR SHALL NOTIFY ALL AGENCIES REQUIRED AND VERIFY THE LOCATION OF ALL EXISTING SUBSURFACE UTILITIES PRIOR TO PERFORMING ANY WORK. THE LOCATION OF EXISTING PIPES OR OTHER UNDERGROUND STRUCTURES OR PROPERTY LINES ARE NOT WARRANTED TO BE EXACT, NOR IS IT WARRANTED THAT ALL UNDERGROUND PIPES OR STRUCTURES ARE SHOWN. THE CONTRACTOR SHALL CALL "DIG SAFE" (1-888-344-7233) A MINIMUM OF 72 HOURS (EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS) PRIOR TO ANY EXCAVATION TO OBTAIN ACCURATE UTILITY LOCATIONS.
5. PRIOR TO THE INSTALLATION OF PROPOSED UTILITIES, THE CONTRACTOR SHALL EXCAVATE TEST PITS AT LOCATIONS OF UTILITY CROSSINGS TO VERIFY DEPTHS OF EXISTING PIPES, CONDUITS OR OTHER FACILITIES AS REQUIRED BY THE ENGINEER.
6. UTILITY STRUCTURES (I.E. MANHOLE COVER, WATER GATE BOX, ETC.) WITHIN A PEDESTRIAN ACCESS PATH OR PEDESTRIAN CURB RAMP SHALL BE CAREFULLY ADJUSTED SUCH THAT THE TOPMOST COVER IS SET FLUSH WITH THE PROPOSED SURFACE.
7. DRAINAGE MANHOLES ON ROUTE 6 SHALL INCLUDE BOLT-DOWN COVERS IN ACCORDANCE WITH MASSDOT ENGINEERING DIRECTIVE E-16-003.
8. THE REMOVAL OF EXISTING TELEPHONE, AS SHOWN ON THE PLANS, SHALL BE PAID FOR UNDER ITEM 120.1 UNCLASSIFIED EXCAVATION.
9. ADDITIONAL CLEARING REQUIRED FOR UTILITY POLE INSTALLATIONS NOT SHOWN ON THE PLANS SHALL BE PAID FOR UNDER CLEARING AND GRUBBING.
10. UNDERGROUND TELEPHONE WILL BE CONSTRUCTED PARTIALLY BY VERIZON AND PARTIALLY BY CONTRACTOR. CONTRACTOR TO COORDINATE WITH VERIZON PRIOR TO THE START OF DUCT WORK
11. 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 REQUIRED BY THE ENGINEER. ONLY AFTER THE CONTRACTOR VERIFIES THE ELEVATIONS FOR THE CONSTRUCTABILITY OF THE DRAINAGE SYSTEM SHALL ANY STRUCTURES BE ORDERED. ANY FIELD ADJUSTMENTS TO LINE AND GRADE UP TO A DEPTH OF 5' SHALL BE INCLUDED IN THE COST OF THE PIPE. EXCAVATION GREATER THAN 5' WILL BE PAID FOR UNDER CLASS B TRENCH EXCAVATION.

SURVEY NOTES:

STA 9+70.00 TO 12+85 & STA 39+26.04 TO 55+90.00:

1. THIS PLAN IS THE RESULT OF AN ON-THE-GROUND INSTRUMENT SURVEY BY BSC GROUP INC. BETWEEN SEPTEMBER 2019 AND OCTOBER 2022.
2. HORIZONTAL DATUM SHOWN HEREON REFERENCES THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM, MAINLAND ZONE, US SURVEY FEET, NAD83 (2011-EPOCH 2010.00) AND IS BASED ON GROUND CONTROL POINTS 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376 & 2377 PROVIDED BY MASSDOT.
3. THE VERTICAL DATUM SHOWN HEREON REFERENCES NAVD 88 (12B) AND IS BASED ON GROUND CONTROL POINTS 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376 & 2377 PROVIDED BY MASSDOT.
4. AVERAGE COMBINED SCALE FACTOR = 0.999979609689203.
5. ABUTTING PROPERTY LINES ARE BASED ON GIS AND ARE APPROXIMATE.
6. WETLANDS DELIMITED BY BSC GROUP, INC., 7/5/2022.

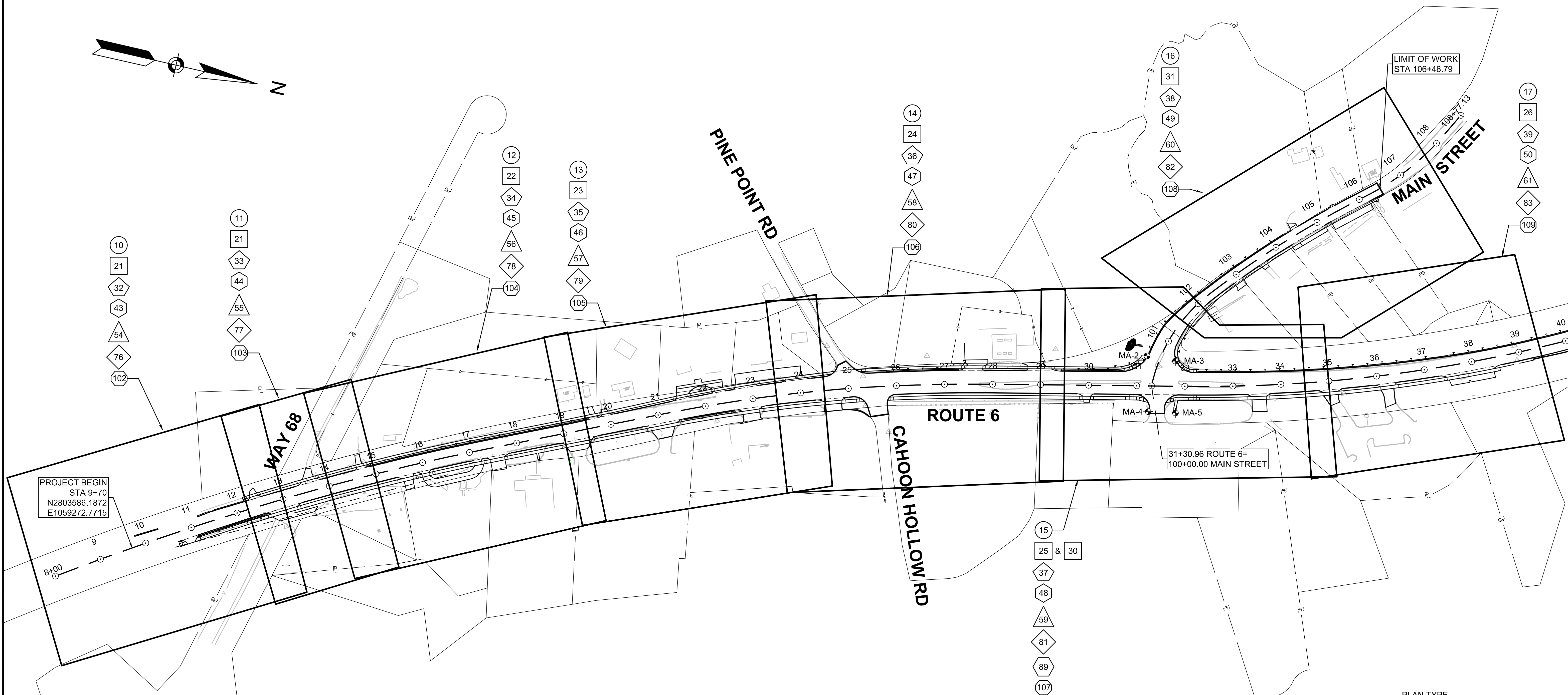
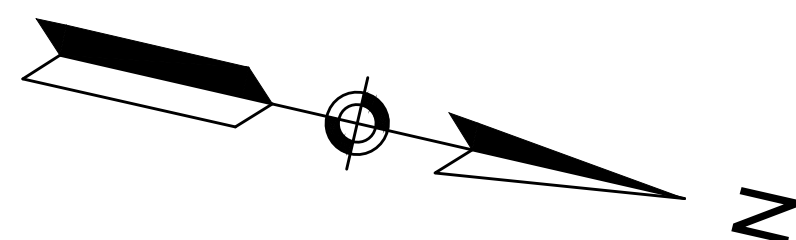
STA 12+85 TO 39+26.04:

1. BASE MAP IS COMPILED FROM MOBILE LIDAR SUPPLEMENTED WITH ON THE GROUND SURVEY FROM FEBRUARY 2015 THROUGH DECEMBER 2022 AND IS PROVIDED BY DAWOOD ENGINEERING.
2. HORIZONTAL DATUM SHOWN HEREON REFERENCES THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM, MAINLAND ZONE, US SURVEY FEET, NAD83 (2011-EPOCH 2010.00) AND IS BASED ON THE KEYNET GPS VIRTUAL REFERENCE SYSTEM (VRS).
3. ELEVATIONS, IN U.S. SURVEY FEET, ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) BASED ON THE KEYNET GPS VIRTUAL REFERENCE SYSTEM (VRS).

**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	4	178
PROJECT FILE NO.		607397	

**KEY PLAN
PART 1 OF 2**

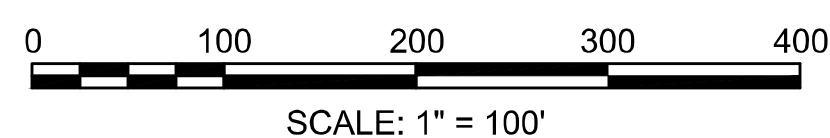


PROJECT BEGIN
STA 9+70
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E1059272.7715

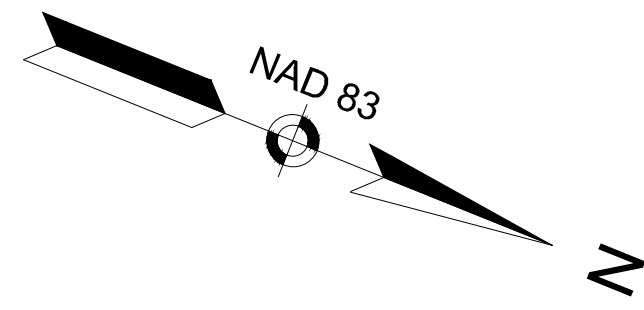
31+30.96 ROUTE 6 =
100+00.00 MAIN STREET

LIMIT OF WORK
STA 106+48.79

CONTINUED ON
SHEET NO. 5



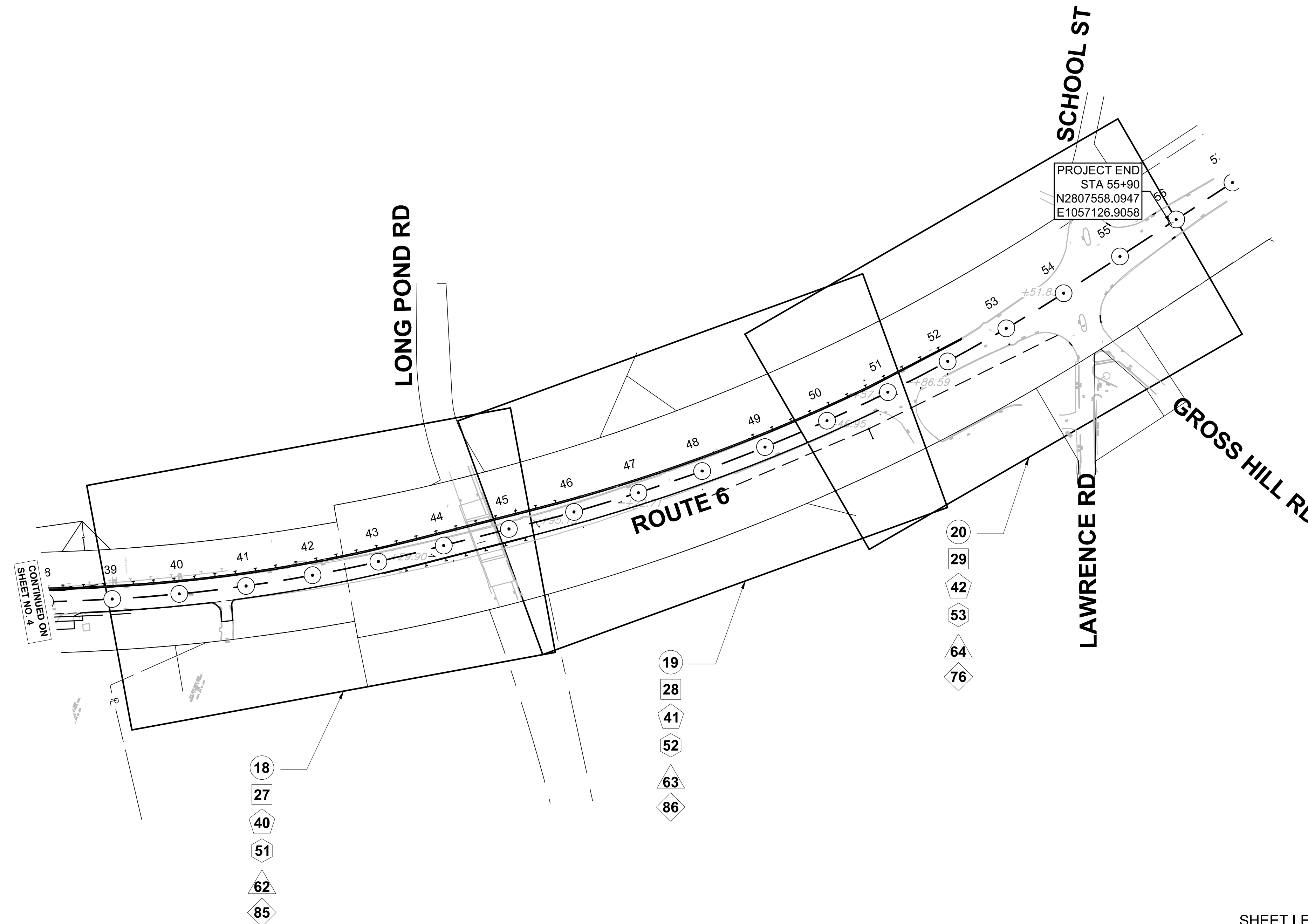
- PLAN TYPE**
- SHEET NO — CONSTRUCTION PLAN
 - PROFILE
 - CURB TIE PLAN
 - GRADING PLAN
 - DRAINAGE AND UTILITY PLAN
 - SIGN AND PAVEMENT MARKING PLAN
 - TRAFFIC SIGNAL PLAN
 - LANDSCAPE PLAN
 - BORING LOCATION MA-X



WELLFLEET
ROUTE 6 / MAIN STREET

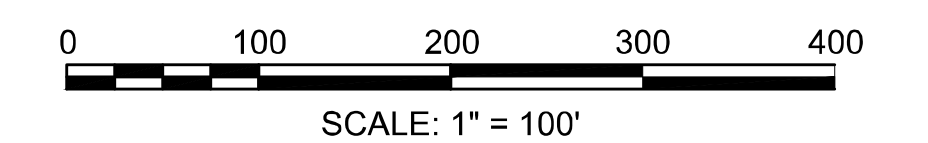
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	5	178
PROJECT FILE NO.		607397	

KEY PLAN
PART 2 OF 2



SHEET LEGEND

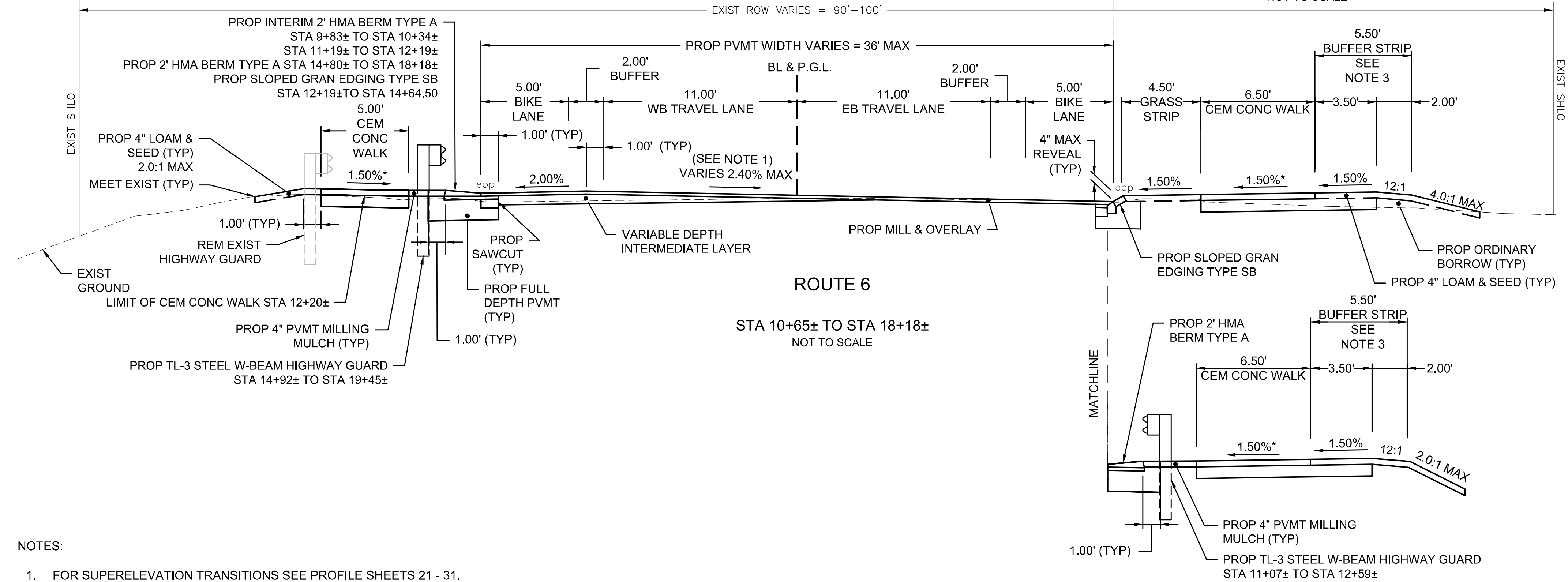
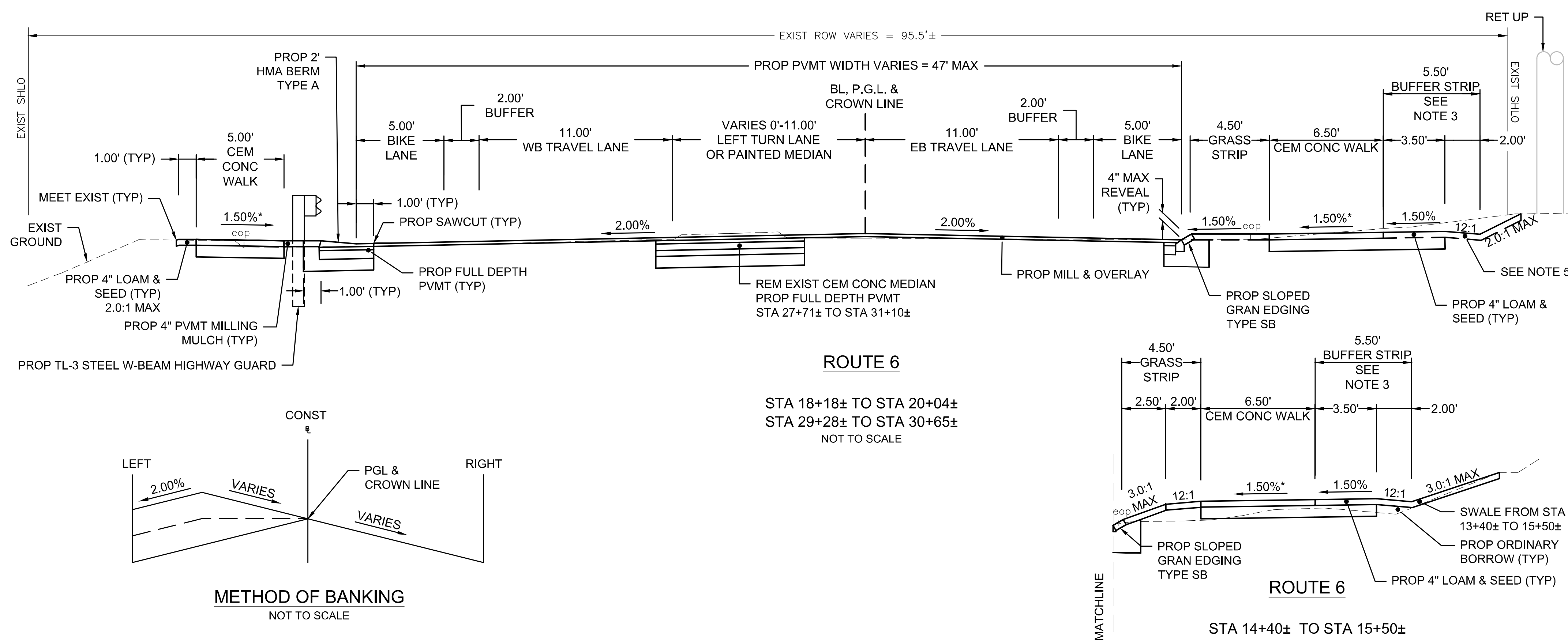
- SHEET NO
- # CONSTRUCTION PLANS
 - # PROFILE
 - ◇# CURB TIE PLAN
 - ◇# GRADING PLAN
 - △# DRAINAGE AND UTILITY PLAN
 - ◇# SIGN AND PAVEMENT MARKING PLAN
 - ◇# TRAFFIC SIGNAL PLAN
 - ◇# LANDSCAPE PLAN



**WELLFLEET
ROUTE 6 / MAIN STREET**

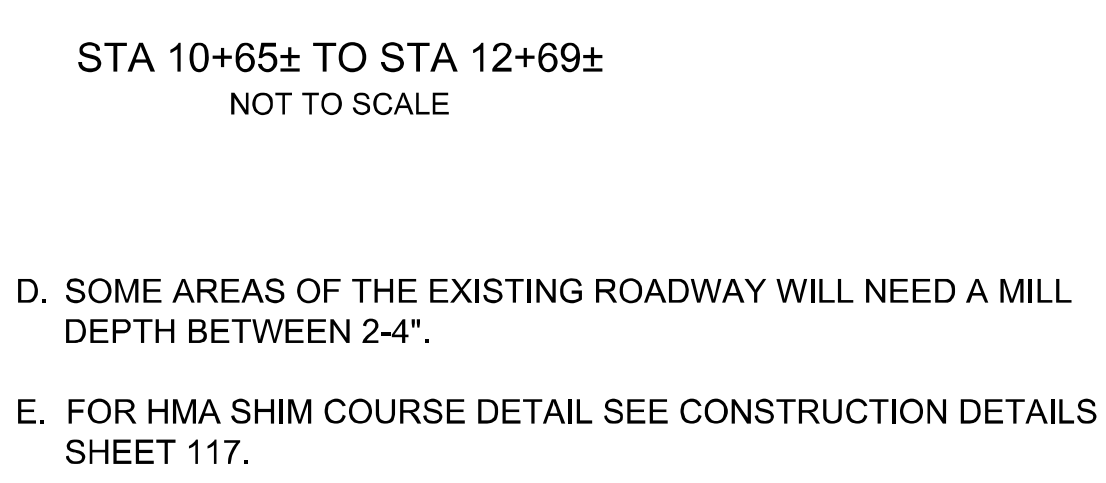
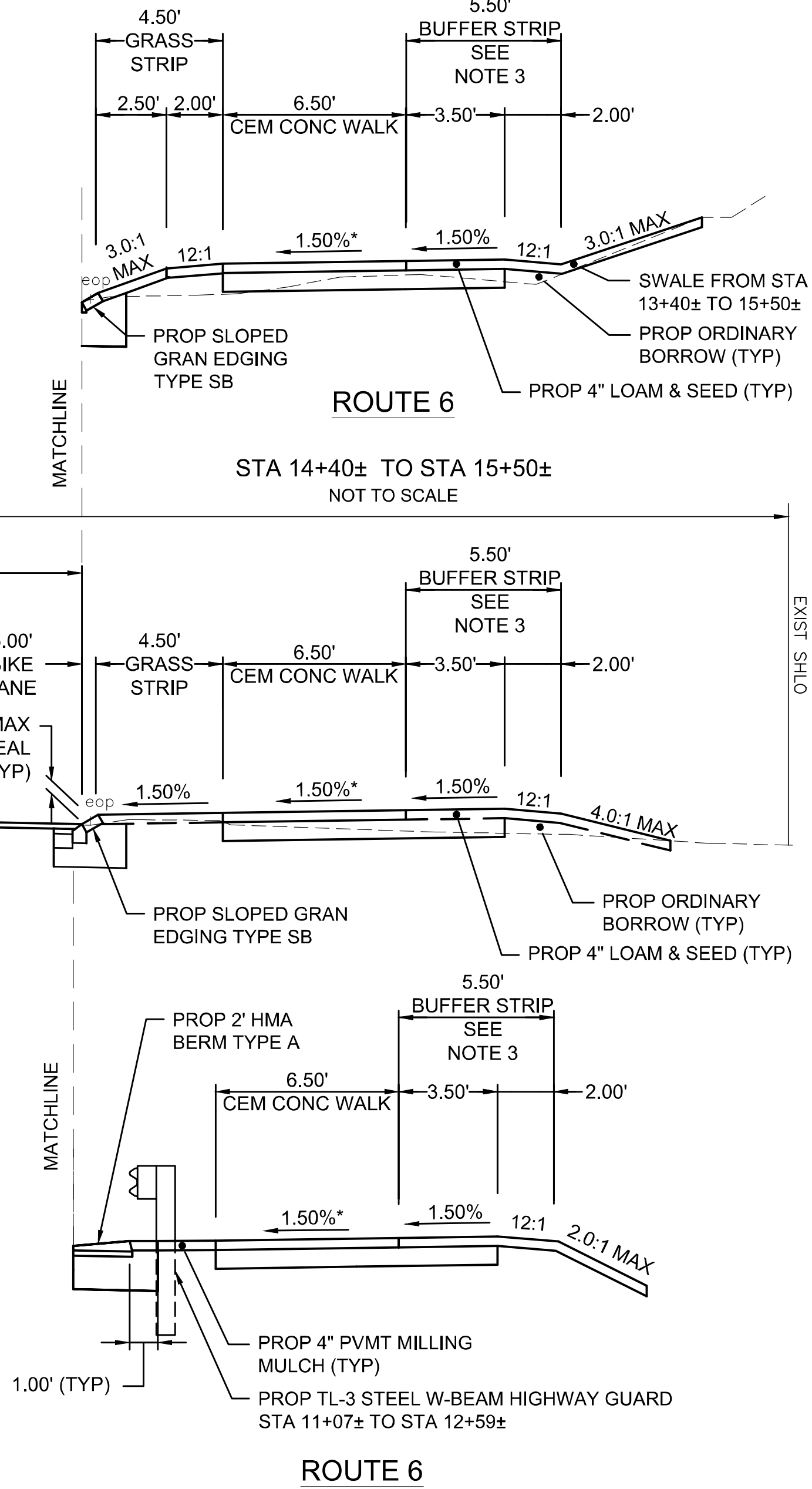
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	6	178
PROJECT FILE NO. 607397			

**TYPICAL SECTIONS
PART 1 OF 4**



- NOTES:**
- FOR SUPERELEVATION TRANSITIONS SEE PROFILE SHEETS 21 - 31.
 - REFER TO MASSDOT STANDARD DETAILS FOR PAVEMENT MILLING MULCH, EXCEPT TWO AREAS ON ROUTE 6 (STA 25+82 TO STA 27+30 LT AND STA 29+44 TO STA 30+74 LT). PAVEMENT MILLING MULCH AT THESE AREAS SHALL BE SET 6" OFF THE BACK OF HIGHWAY GUARD POSTS.
 - THE 8" GRAVEL SUBBASE SHALL BE CONSTRUCTED AN ADDITIONAL 3.5' FROM THE BACK OF SIDEWALK. THE 5.50' BUFFER SHALL BE KEPT CLEAR OF OBSTRUCTIONS.
 - REFER TO SHEET 7 FOR TYPICAL CEMENT CONCRETE WALK AT DRIVEWAY DETAIL FOR DRIVEWAYS ON THE EAST SIDE OF ROUTE 6. THE GRAVEL BASE AT DRIVEWAYS ON THE EAST SIDE OF ROUTE 6 SHALL BE CONSTRUCTED TO A 10" DEPTH FOR A 3.5' WIDTH FROM THE BACK OF SIDEWALK.
 - PROPOSED 12:1 SLOPE WIDTH TO BE REDUCED TO 1' WHERE APPLICABLE TO AVOID CEMETERY IMPACTS. (STA 29+00 TO 29+50 RT+/-).
 - SEE LANDSCAPE PLANS FOR SPECIFIC TYPES OF LOAM AND SEED MIXES.

- PAVEMENT NOTES:**
- EXCESS RECLAIM BASE MATERIAL SHALL BE USED IN PLACE OF DENSE GRADED CRUSHED STONE FOR ROADWAY CONSTRUCTION OR IN PLACE OF GRAVEL BORROW FOR SIDEWALK CONSTRUCTION, WHEN AVAILABLE, AND AS DIRECTED BY THE ENGINEER.
 - CONTRACTOR SHALL PROVIDE CALCIUM CHLORIDE OR WATER FOR DUST CONTROL.
 - FOR MILL AND OVERLAY AREAS AND WHEN REQUIRED, INTERMEDIATE COURSE SHALL BE USED AS LEVELING COURSE.



PAVEMENT NOTES

ROUTE 6

MILL: 2.0" STANDARD MILL (SEE NOTE D)
OVERLAY: 2.0" SUPERPAVE SURFACE COURSE - 12.5 POLYMER (SSC-12.5-P) OVER ASPHALT EMULSION FOR TACK COAT (RS-1H) OVER VARIABLE DEPTH SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC-19.0) (MIN THICKNESS 1.75", MAX LIFT 3.50") OVER ASPHALT EMULSION FOR TACK COAT (RS-1H)

FULL DEPTH BOX WIDENING - WIDTH GREATER THAN 4 FT

SURFACE: 2.0" SUPERPAVE SURFACE COURSE - 12.5 POLYMER (SSC-12.5-P) OVER ASPHALT EMULSION FOR TACK COAT (RS-1H) OVER 2.25" SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC-19.0) OVER ASPHALT EMULSION FOR TACK COAT (RS-1H) OVER
BASE: 4.5" SUPERPAVE BASE COURSE - 37.5 (SBC-37.5) OVER 4.0" DENSE GRADED CRUSHED STONE OVER
SUBBASE: 8.0" GRAVEL BORROW, TYPE b

FULL DEPTH BOX WIDENING - WIDTH LESS THAN 4 FT

SURFACE: 2.0" SUPERPAVE SURFACE COURSE - 12.5 POLYMER (SSC-12.5-P) OVER ASPHALT EMULSION FOR TACK COAT (RS-1H) OVER 2.25" SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC-19.0) OVER ASPHALT EMULSION FOR TACK COAT (RS-1H) OVER
BASE: 6.0" CEMENT CONCRETE BASE COURSE (3,000 PSI MIN) OVER
SUBBASE: 8.0" GRAVEL BORROW, TYPE b

MAIN STREET

FULL DEPTH PAVEMENT RECLAMATION

RECLAIM TO 12" DEPTH
SURFACE: 2.0" SUPERPAVE SURFACE COURSE - 12.5 POLYMER (SSC-12.5-P) OVER ASPHALT EMULSION FOR TACK COAT (RS-1H) OVER 5.0" SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC-19.0) (PLACED IN 2 - 2.5" LIFTS) OVER ASPHALT EMULSION FOR TACK COAT (RS-1H) OVER
BASE: 5.0" RECLAIMED PAVEMENT BORROW (STABILIZED)

FULL DEPTH BOX WIDENING - WIDTH GREATER THAN 4 FT

SURFACE: 2.0" SUPERPAVE SURFACE COURSE - 12.5 POLYMER (SSC-12.5-P) OVER ASPHALT EMULSION FOR TACK COAT (RS-1H) OVER 5.0" SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC-19.0) (PLACED IN 2 - 2.5" LIFTS) OVER ASPHALT EMULSION FOR TACK COAT (RS-1H) OVER
BASE: 4.0" DENSE GRADED CRUSH STONE OVER
SUBBASE: 8.0" GRAVEL BORROW, TYPE b

FULL DEPTH BOX WIDENING - WIDTH LESS THAN 4 FT

SURFACE: 2.0" SUPERPAVE SURFACE COURSE - 12.5 POLYMER (SSC-12.5-P) OVER ASPHALT EMULSION FOR TACK COAT (RS-1H) OVER 2.5" SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC-19.0) OVER ASPHALT EMULSION FOR TACK COAT (RS-1H) OVER
BASE: 6.0" CEMENT CONCRETE BASE COURSE (3,000 PSI MIN) OVER
SUBBASE: 8.0" GRAVEL BORROW, TYPE b

CEMENT CONCRETE WALKS AND PEDESTRIAN CURB RAMPS

SURFACE: 4.0" CEMENT CONCRETE
BASE: 8.0" GRAVEL BORROW, TYPE b

CEMENT CONCRETE WALKS AT DRIVEWAY

SURFACE: 6.0" CEMENT CONCRETE OVER (4000 PSI 3/4", 610 LBS)
BASE: 8.0" GRAVEL BORROW, TYPE b

HOT MIX ASPHALT DRIVEWAYS

SURFACE: 1.5" SUPERPAVE SURFACE COURSE - 9.5 (SSC-9.5) OVER ASPHALT EMULSION FOR TACK COAT (RS-1H) OVER 2.5" SUPERPAVE SURFACE COURSE - 12.5 (SIC-12.5) OVER
BASE: 8.0" OR 10.0" GRAVEL BORROW, TYPE b (SEE NOTE 4)

CRUSHED SHELL DRIVEWAYS

SURFACE: 2.0" CRUSHED SHELL
BASE: 8.0" GRAVEL BORROW, TYPE b

STONE DRIVEWAYS

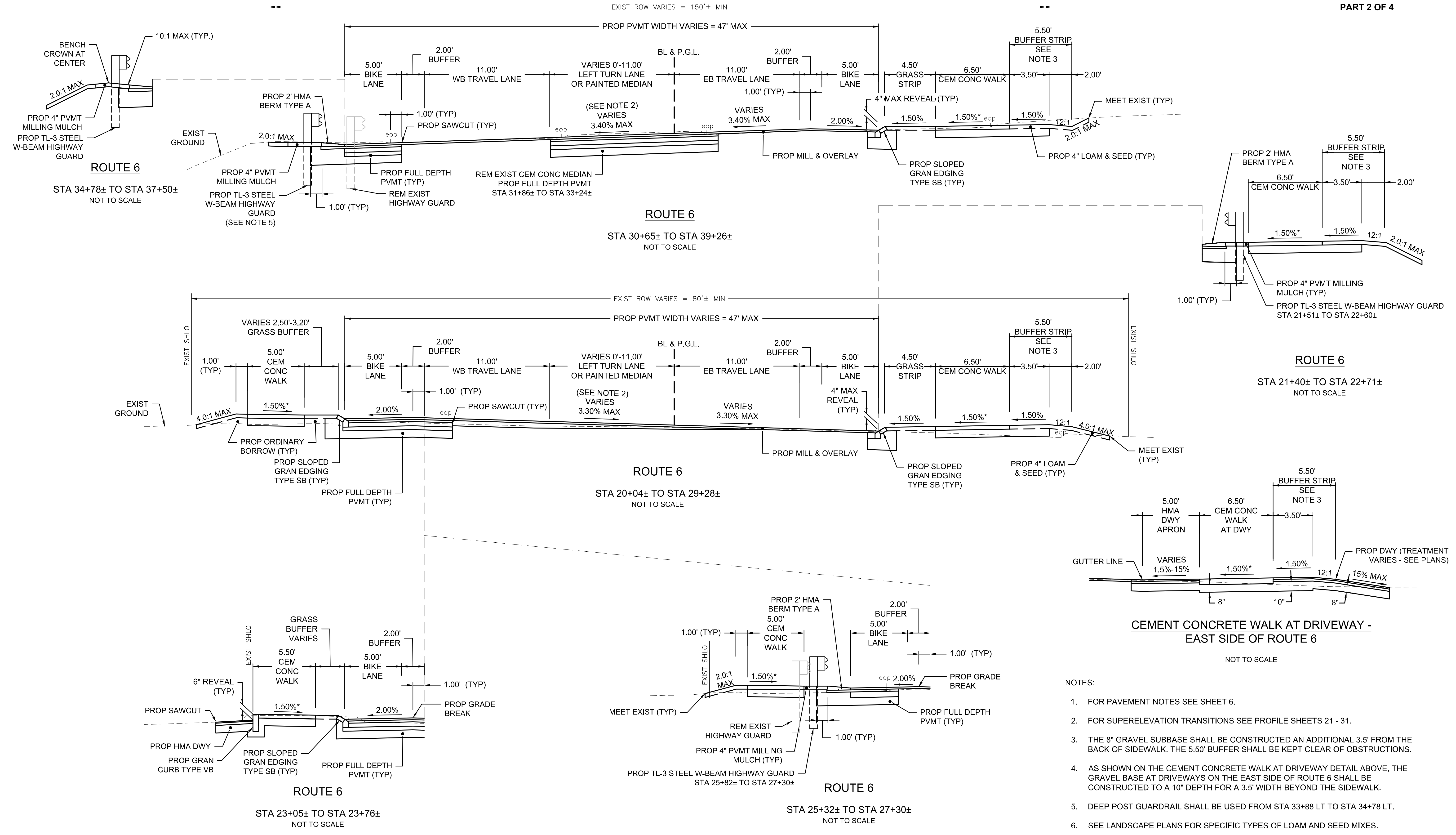
SURFACE: 2.0" CRUSHED STONE
BASE: 8.0" GRAVEL BORROW, TYPE b

* TOLERANCE FOR CONSTRUCTION ±0.5%

**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	7	178
PROJECT FILE NO.		607397	

**TYPICAL SECTIONS
PART 2 OF 4**



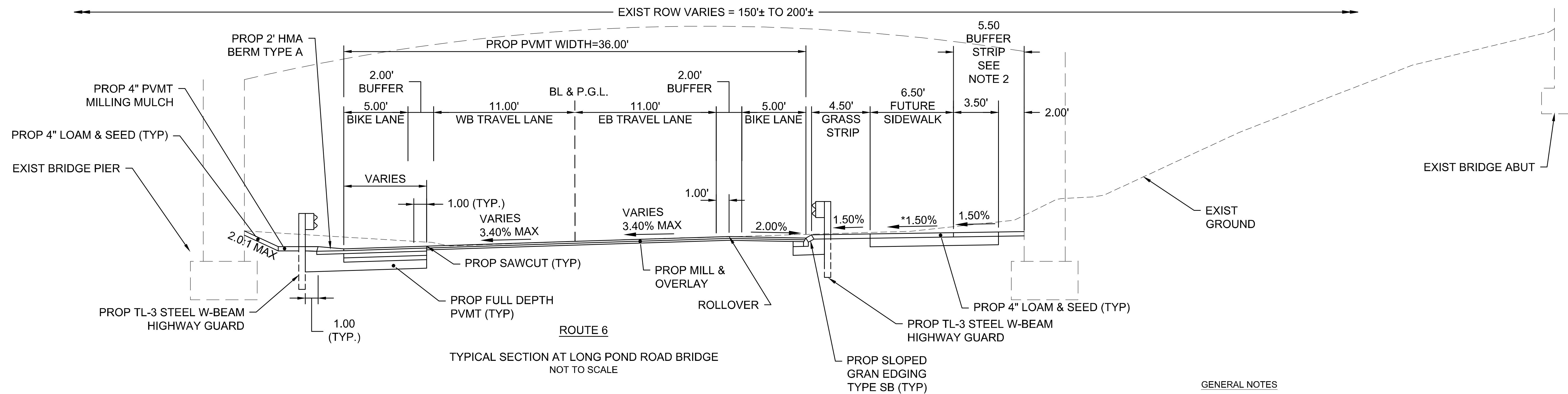
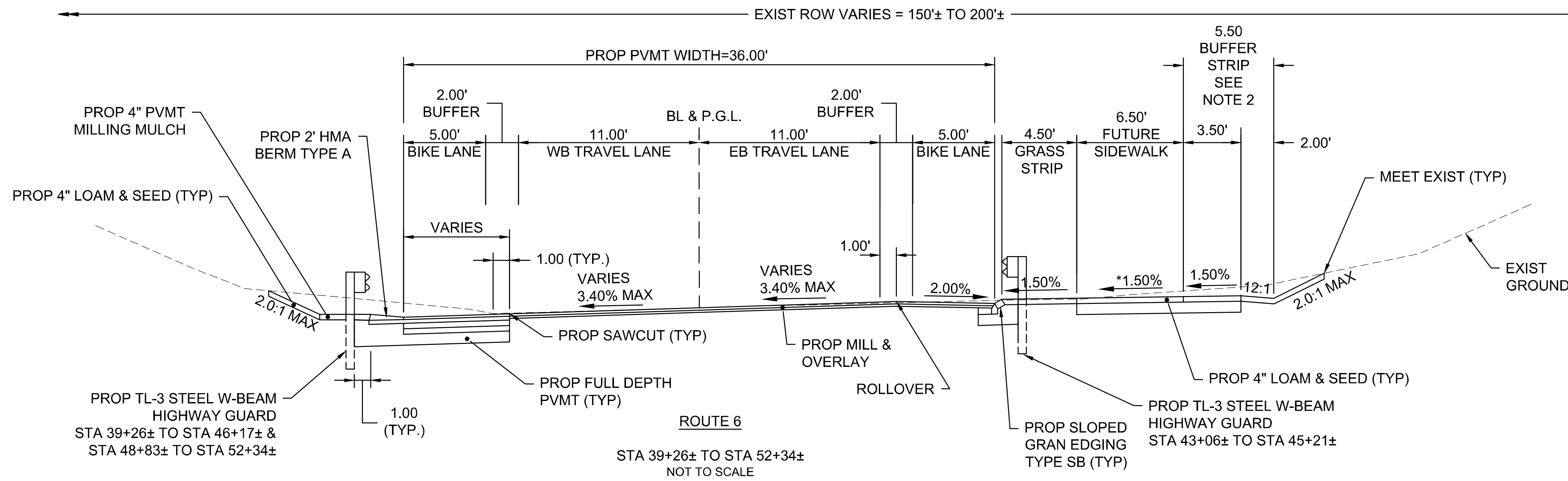
- NOTES:
- FOR PAVEMENT NOTES SEE SHEET 6.
 - FOR SUPERELEVATION TRANSITIONS SEE PROFILE SHEETS 21 - 31.
 - THE 8" GRAVEL SUBBASE SHALL BE CONSTRUCTED AN ADDITIONAL 3.5' FROM THE BACK OF SIDEWALK. THE 5.50' BUFFER SHALL BE KEPT CLEAR OF OBSTRUCTIONS.
 - AS SHOWN ON THE CEMENT CONCRETE WALK AT DRIVEWAY DETAIL ABOVE, THE GRAVEL BASE AT DRIVEWAYS ON THE EAST SIDE OF ROUTE 6 SHALL BE CONSTRUCTED TO A 10" DEPTH FOR A 3.5' WIDTH BEYOND THE SIDEWALK.
 - DEEP POST GUARDRAIL SHALL BE USED FROM STA 33+88 LT TO STA 34+78 LT.
 - SEE LANDSCAPE PLANS FOR SPECIFIC TYPES OF LOAM AND SEED MIXES.

* TOLERANCE FOR CONSTRUCTION ±0.5%

WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQHSI/STP/TAP-0035(052)X	8	178
PROJECT FILE NO.		607397	

TYPICAL SECTIONS
PART 3 OF 4



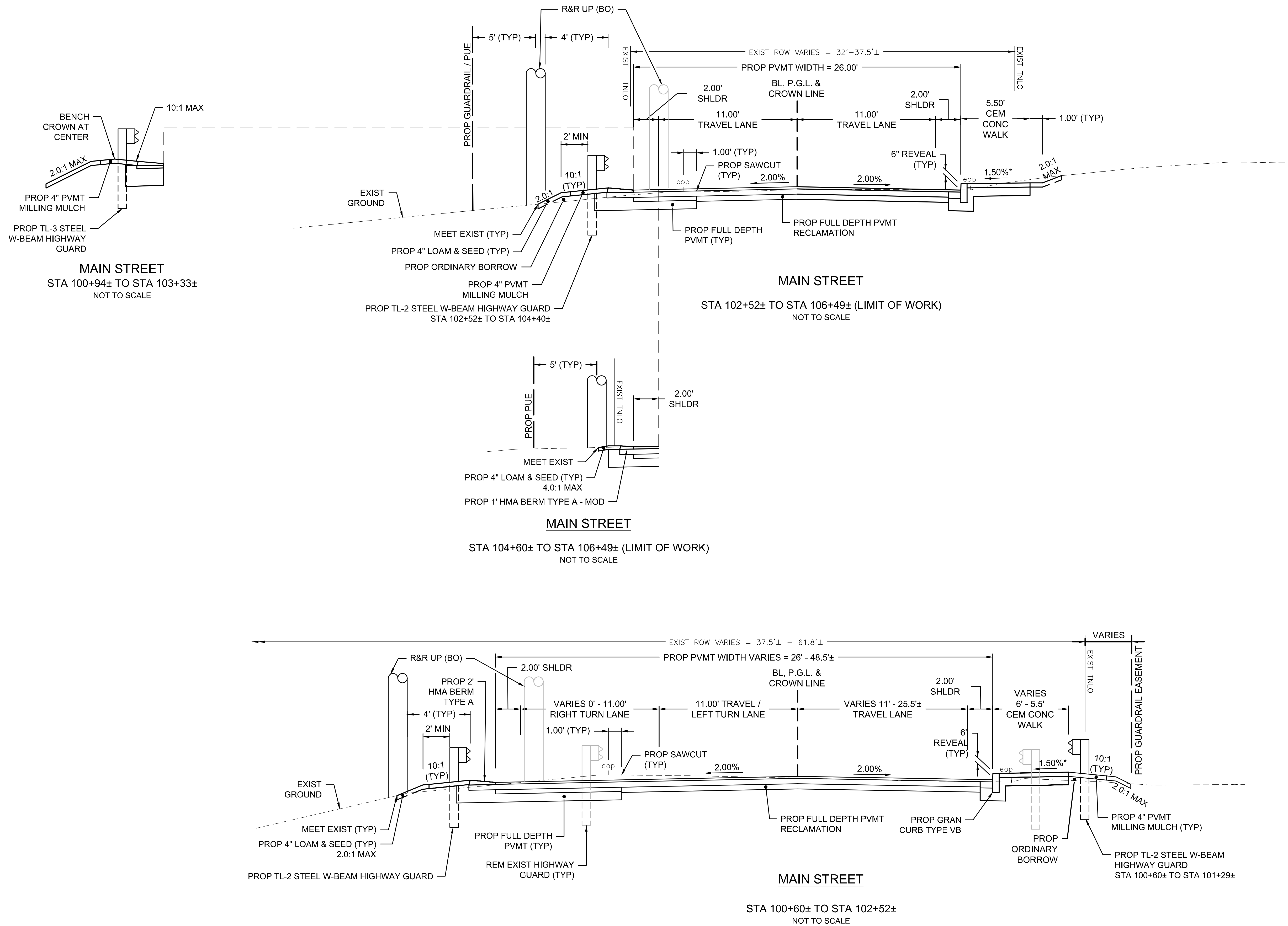
GENERAL NOTES

- FOR PAVEMENT NOTES SEE SHEET 6
- THE 8" GRAVEL SUBBASE SHALL BE CONSTRUCTED AN ADDITIONAL 3.5' FROM THE BACK OF SIDEWALK . THE 5.50' BUFFER SHALL BE KEPT CLEAR OF OBSTRUCTIONS.

WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	9	178
PROJECT FILE NO.		607397	

TYPICAL SECTIONS
PART 4 OF 4



- NOTES:
- FOR PAVEMENT NOTES SEE SHEET 6.
 - SEE LANDSCAPE PLANS FOR SPECIFIC TYPES OF LOAM AND SEED MIXES.

* TOLERANCE FOR CONSTRUCTION ±0.5%

HIGHWAY GUARD DETAILS

STA 11+02 - 12+48 RT, GUARDRAIL, TL-3 (ITEM 620.13)
STA 12+58 RT, TRAILING ANCHORAGE, (ITEM 627.1)

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

NONE

DRAINAGE DETAILS

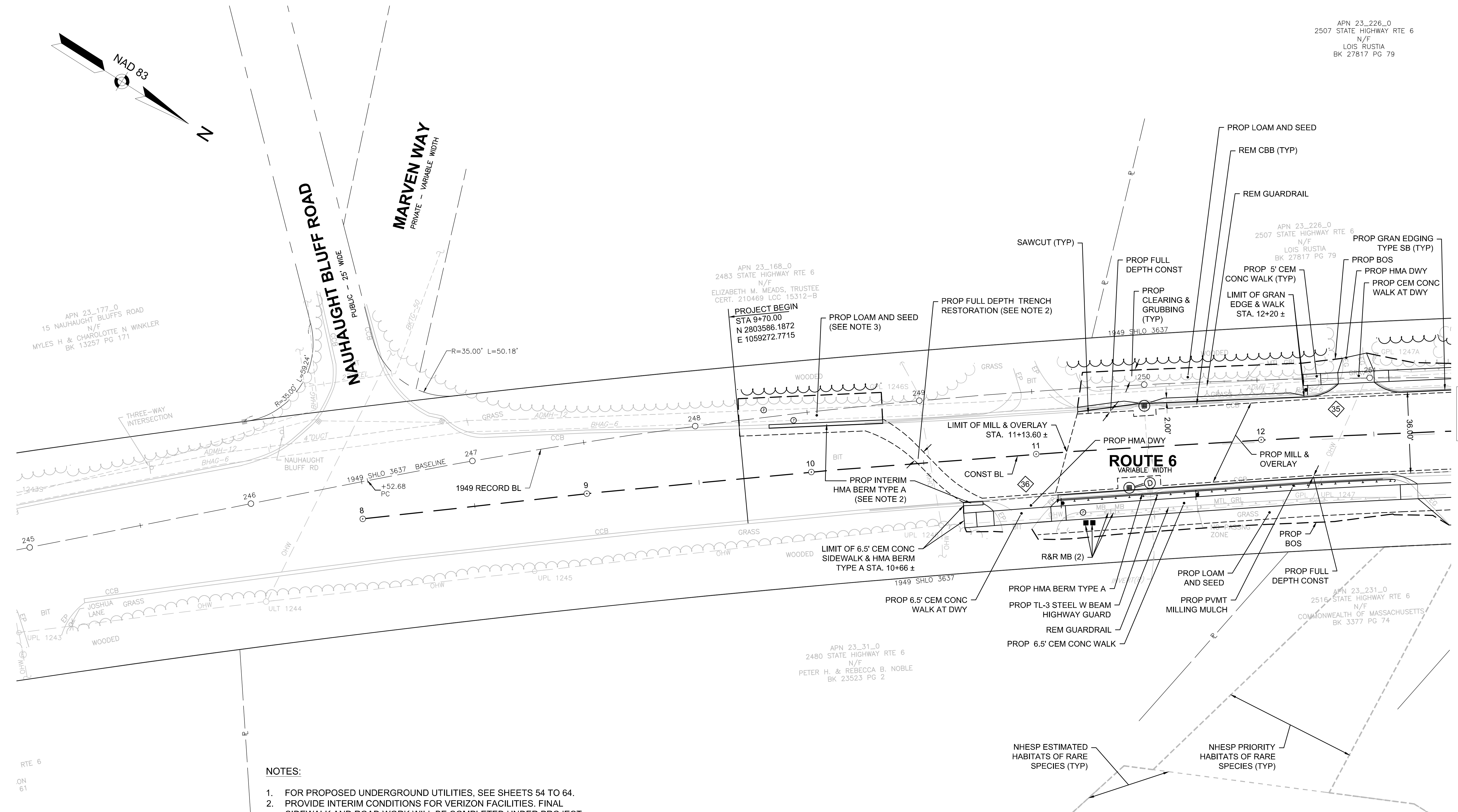
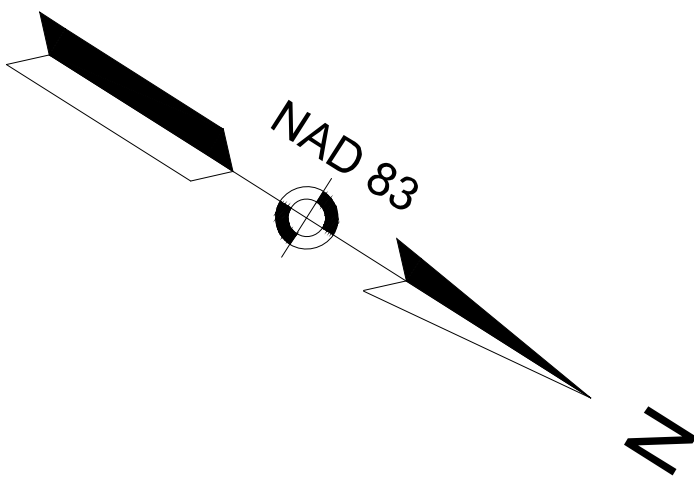
SEE SHEET 56

WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	10	178
PROJECT FILE NO.		607397	

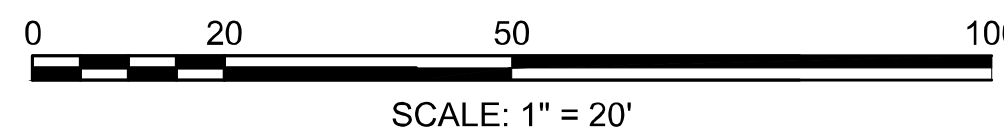
CONSTRUCTION PLANS
PART 1 OF 11

APN 23_226_0
2507 STATE HIGHWAY RTE 6
N/F
LOIS RUSTIA
BK 27817 PG 79



NOTES:

1. FOR PROPOSED UNDERGROUND UTILITIES, SEE SHEETS 54 TO 64.
2. PROVIDE INTERIM CONDITIONS FOR VERIZON FACILITIES. FINAL SIDEWALK AND ROAD WORK WILL BE COMPLETED UNDER PROJECT NO. 609098
3. SEE LANDSCAPE PLANS FOR SPECIFIC TYPES OF LOAM AND SEED MIXES.



FOR PROFILE PLANS:
SEE SHEET NOS. 21

CONTINUED ON
SHEET NO. 11

607397_HD/CONST-PLAN/DWG Plotted on 6-Jun-2023 5:01 PM

**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	11	178
PROJECT FILE NO.		607397	

**CONSTRUCTION PLAN
PART 2 OF 11**

HIGHWAY GUARD DETAILS

STA 14+92 LT, TANGENT END, TL-3 (ITEM 627.83)

TRAFFIC SIGNAL CONDUIT

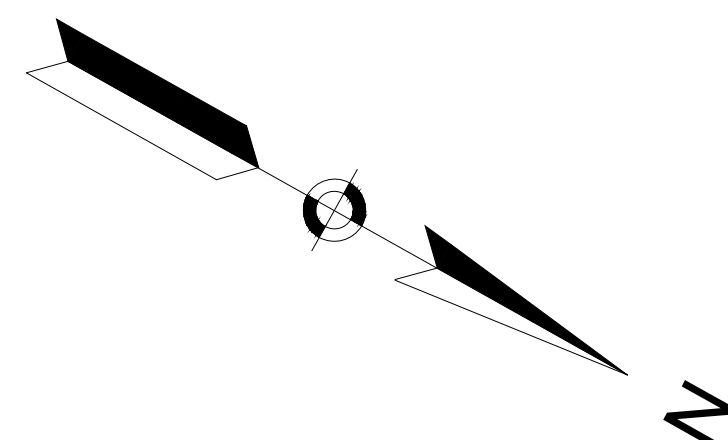
NONE

WATER SUPPLY ALTERATIONS

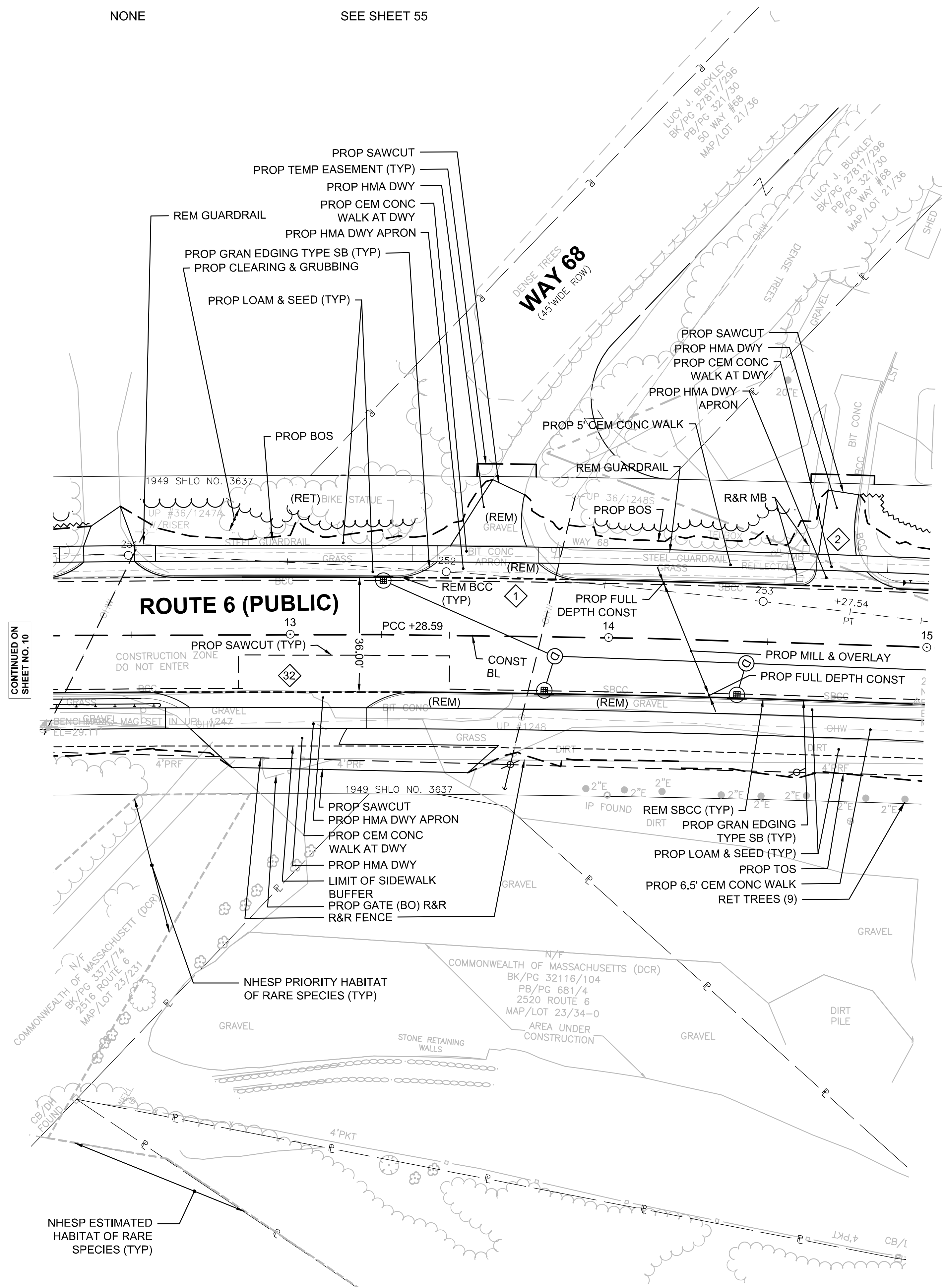
NONE

DRAINAGE DETAILS

SEE SHEET 55



N/F
LOIS RUSTIA
BK/PG 20187/79
PB/PG 300/44
2507 ROUTE 6
MAP/LOT 23/226



CONTINUED ON
SHEET NO. 10

CONTINUED ON
SHEET NO. 12

NOTES:

- FOR PROPOSED UNDERGROUND UTILITIES, SEE SHEETS 54 TO 64.
- R&R CURB AND EDGING TO BE USED WITHIN THE PROJECT LIMITS. EXCESS OR UNUSED CURB AND EDGING SHALL BE REMOVED FROM THE PROJECT SITE.
- SEE LANDSCAPE PLANS FOR SPECIFIC TYPES OF LOAM AND SEED MIXES.



FOR PROFILE SEE SHEET NO. 12

HIGHWAY GUARD DETAILS

STA 14+92 LT, TANGENT END, TL-3 (ITEM 627.83)
 STA 15+05 - 19+39 LT, GUARDRAIL, TL-3 (STEEL POSTS) (ITEM 620.13)
 STA 19+52 LT, TANGENT END, TL-3 (ITEM 627.83)

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

NONE

DRAINAGE DETAILS

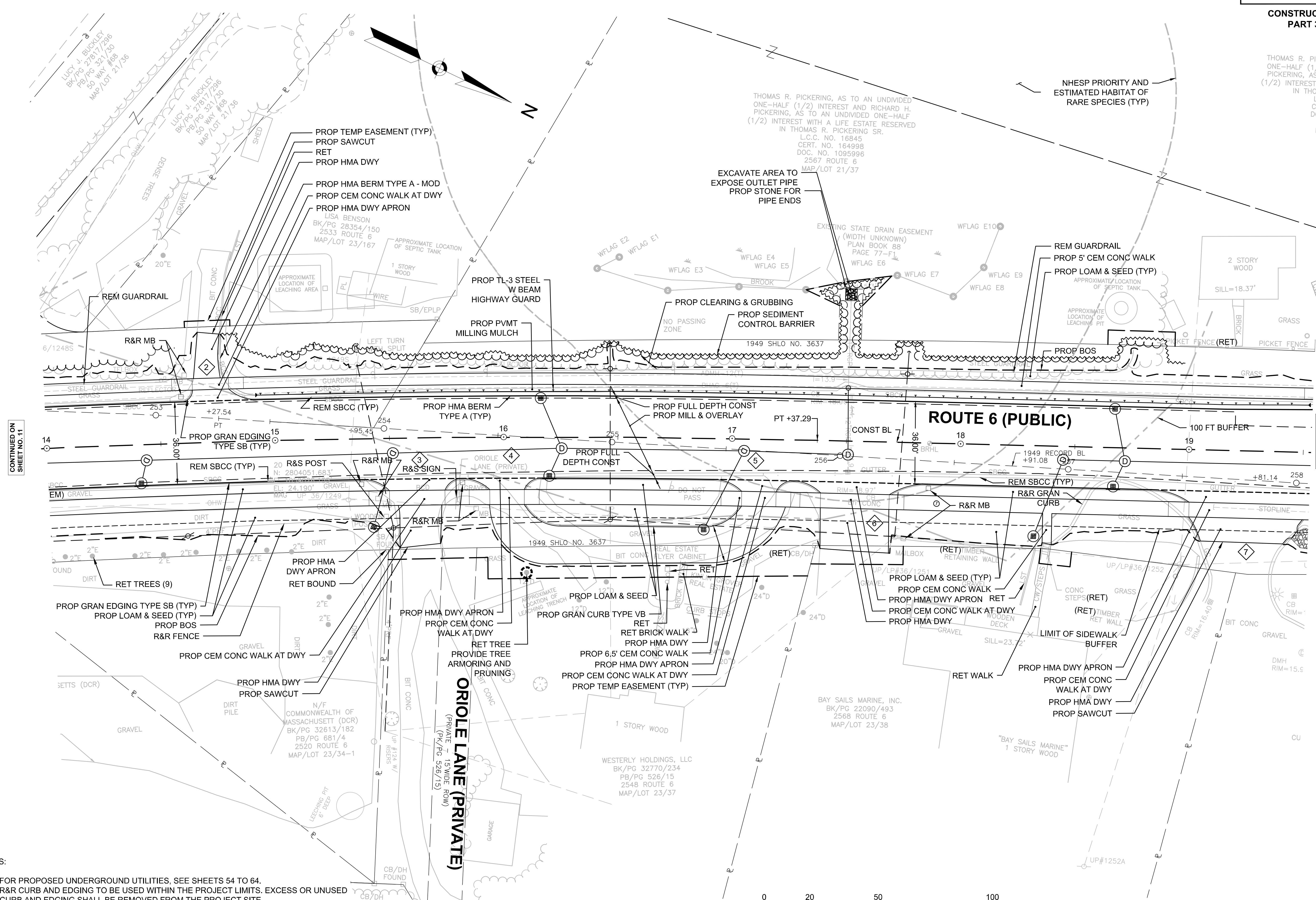
SEE SHEET 56

WELLFLEET
 ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/ST/PAP-0035(052)X	12	178
PROJECT FILE NO.		607397	

CONSTRUCTION PLAN
 PART 3 OF 11

THOMAS R. PICKERING, AS TO AN UNDIVIDED ONE-HALF (1/2) INTEREST AND RICHARD H. PICKERING, AS TO AN UNDIVIDED ONE-HALF (1/2) INTEREST WITH A LIFE ESTATE RESERVED IN THOMAS R. PICKERING SR.
 L.C.C. NO. 16845
 CERT. NO. 164998
 DOC. NO. 1095996
 2567 ROUTE 6
 MAP/LOT 21/37

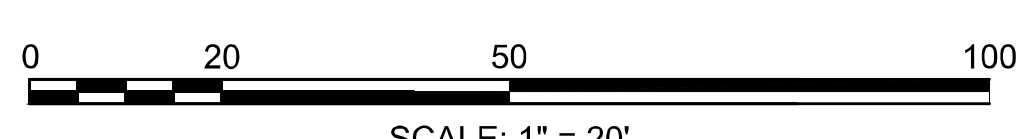


CONTINUED ON
 SHEET NO. 11

CONTINUED ON
 SHEET NO. 13

NOTES:

- FOR PROPOSED UNDERGROUND UTILITIES, SEE SHEETS 54 TO 64.
- R&R CURB AND EDGING TO BE USED WITHIN THE PROJECT LIMITS. EXCESS OR UNUSED CURB AND EDGING SHALL BE REMOVED FROM THE PROJECT SITE.
- SEE LANDSCAPE PLANS FOR SPECIFIC TYPES OF LOAM AND SEED MIXES.



FOR PROFILE SEE SHEET NO. 22

HIGHWAY GUARD DETAILS

STA 15+05 - 19+39 LT, GUARDRAIL, TL-3 (STEEL POSTS) (ITEM 620.13)
 STA 19+52 LT, TANGENT END, TL-3 (ITEM 627.83)

STA 21+51 RT, TANGENT END, TL-3 (ITEM 627.83)
 STA 21+64 - 22+50 RT, GUARDRAIL, TL-3 (STEEL POSTS) (ITEM 620.13)
 STA 22+60 RT, TRAILING ANCHORAGE (ITEM 627.1)

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

NONE

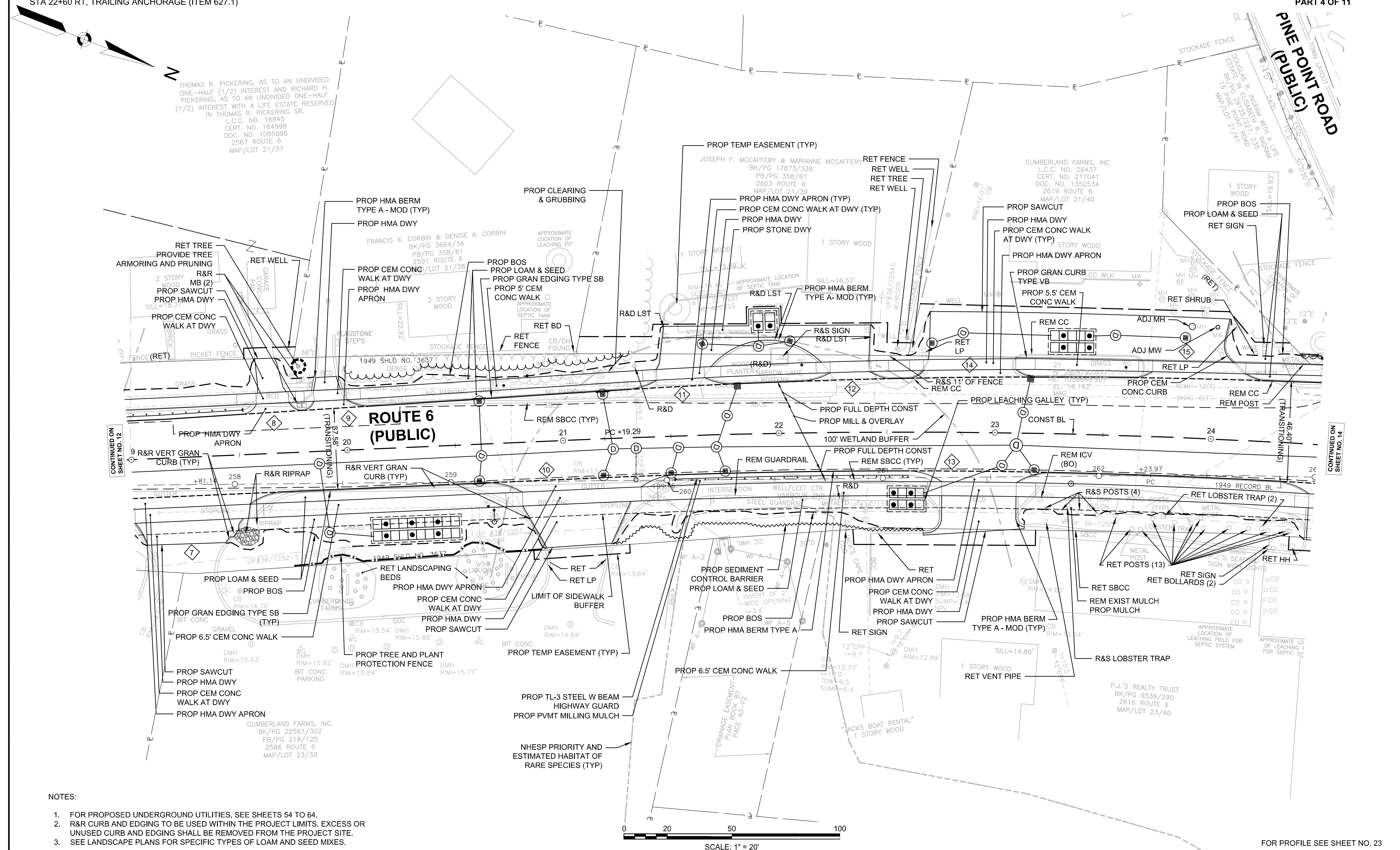
DRAINAGE DETAILS

SEE SHEET 57

WELLFLEET
 ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	13	178
PROJECT FILE NO.		607397	

CONSTRUCTION PLAN
 PART 4 OF 11

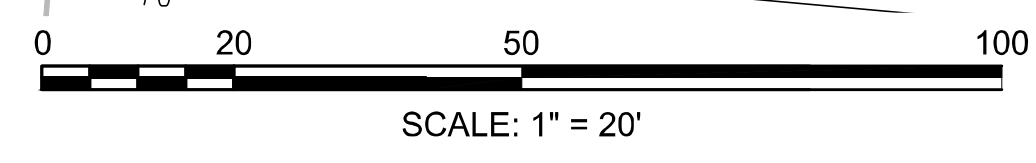


CONTINUED ON SHEET NO. 12

CONTINUED ON SHEET NO. 14

NOTES:

- FOR PROPOSED UNDERGROUND UTILITIES, SEE SHEETS 54 TO 64.
- R&R CURB AND EDGING TO BE USED WITHIN THE PROJECT LIMITS. EXCESS OR UNUSED CURB AND EDGING SHALL BE REMOVED FROM THE PROJECT SITE.
- SEE LANDSCAPE PLANS FOR SPECIFIC TYPES OF LOAM AND SEED MIXES.



FOR PROFILE SEE SHEET NO. 23

HIGHWAY GUARD DETAILS

STA 25+82 LT, TRAILING ANCHORAGE (ITEM 627.1)
 STA 25+92 - 27+17 LT, GUARDRAIL, TL-3 (STEEL POSTS) (ITEM 620.13)
 STA 27+30 LT, TANGENT END, TL-3 (ITEM 627.83)

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

NONE

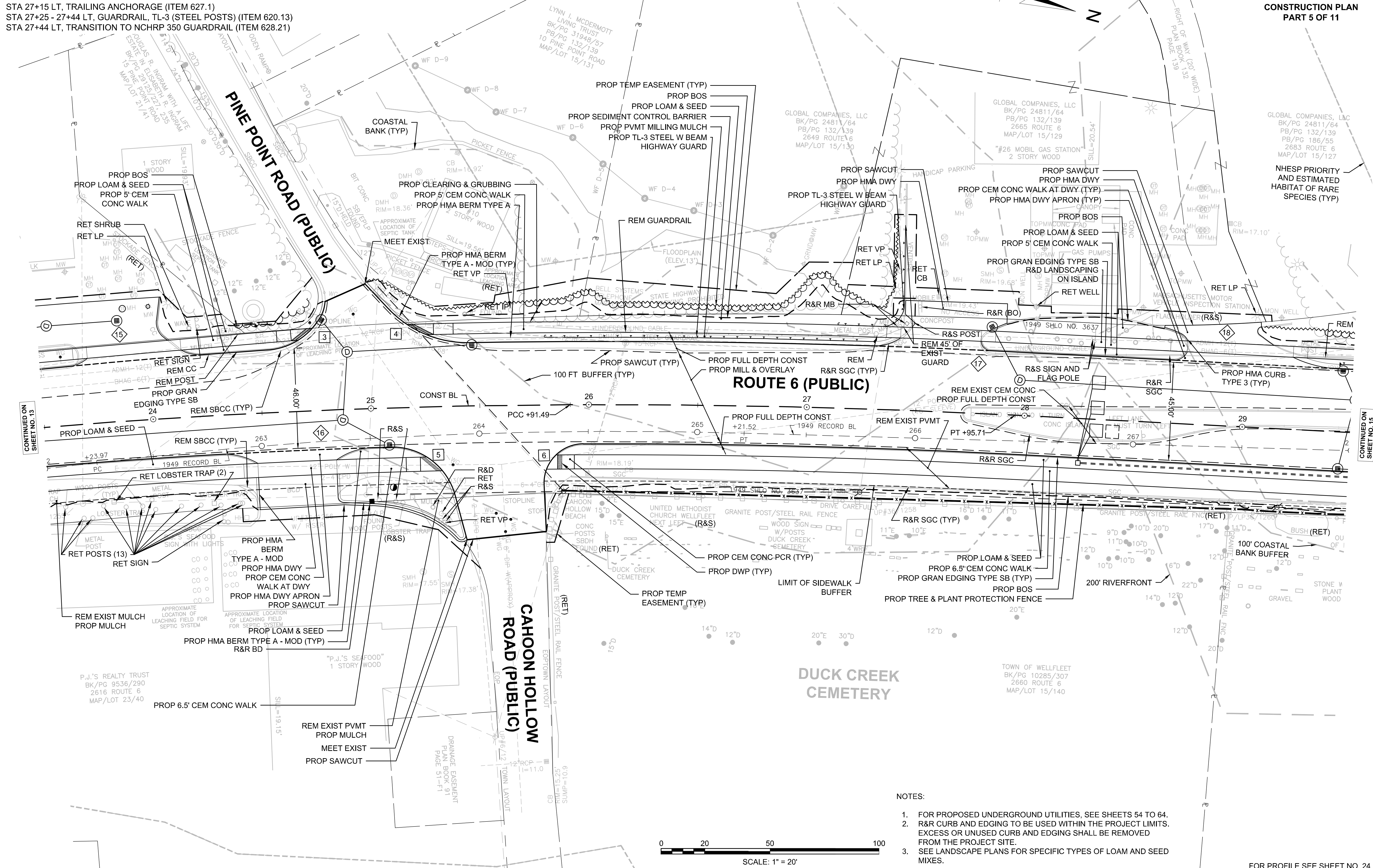
DRAINAGE DETAILS

SEE SHEET 58

WELLFLEET
 ROUTE 6 / MAIN STREET

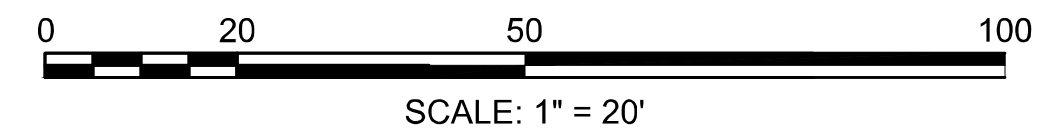
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HST/PTAP-0035(052)X	14	178
PROJECT FILE NO.		607397	

CONSTRUCTION PLAN
 PART 5 OF 11



NOTES:

- FOR PROPOSED UNDERGROUND UTILITIES, SEE SHEETS 54 TO 64. R&R CURB AND EDGING TO BE USED WITHIN THE PROJECT LIMITS. EXCESS OR UNUSED CURB AND EDGING SHALL BE REMOVED FROM THE PROJECT SITE.
- SEE LANDSCAPE PLANS FOR SPECIFIC TYPES OF LOAM AND SEED MIXES.



FOR PROFILE SEE SHEET NO. 24

CONTINUED ON SHEET NO. 13

CONTINUED ON SHEET NO. 15

HIGHWAY GUARD DETAILS

STA 29+44 LT, TANGENT END, TL-3 (ITEM 627.83)
 STA 29+57 - 30+61 LT, GUARDRAIL, TL-3 (STEEL POSTS) (ITEM 620.13)
 STA 30+74 LT, TANGENT END, TL-3 (ITEM 627.83)

STA 30+54 LT, TRAILING ANCHORAGE (ITEM 627.1)
 STA 30+64 - 31+09 LT, GUARDRAIL, TL-3 (STEEL POSTS) (ITEM 620.13)
 STA 31+19 LT, TRAILING ANCHORAGE (ITEM 627.1)

STA 100+45 LT, TRAILING ANCHORAGE (ITEM 627.1)
 STA 100+55 LT, TO STA 104+17 LT, GUARDRAIL, TL-2 (STEEL POSTS) (ITEM 620.12)

STA 32+30 LT, TRAILING ANCHORAGE (ITEM 627.1)
 STA 32+40 - 33+88 LT, GUARDRAIL, TL-3 (STEEL POSTS) (ITEM 620.13)
 STA 33+88 - 34+78 LT DEEP POST GUARDRAIL (ITEM 620.131)
 STA 34+78 - 33+88 LT, GUARDRAIL, TL-3 (STEEL POSTS) (ITEM 620.13)

STA 32+28 LT, TRAILING ANCHORAGE (ITEM 627.1)
 STA 32+18 LT - 101+19 RT, GUARDRAIL, TL-2 (STEEL POSTS) (ITEM 620.12)
 STA 101+29 RT, TRAILING ANCHORAGE (ITEM 627.1)

TRAFFIC SIGNAL CONDUIT

SEE SHEET 89

WATER SUPPLY ALTERATIONS

SEE SHEET 115

DRAINAGE DETAILS

SEE SHEET 59

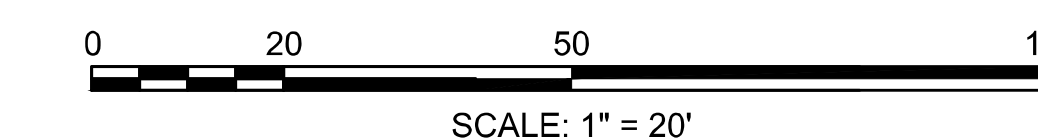
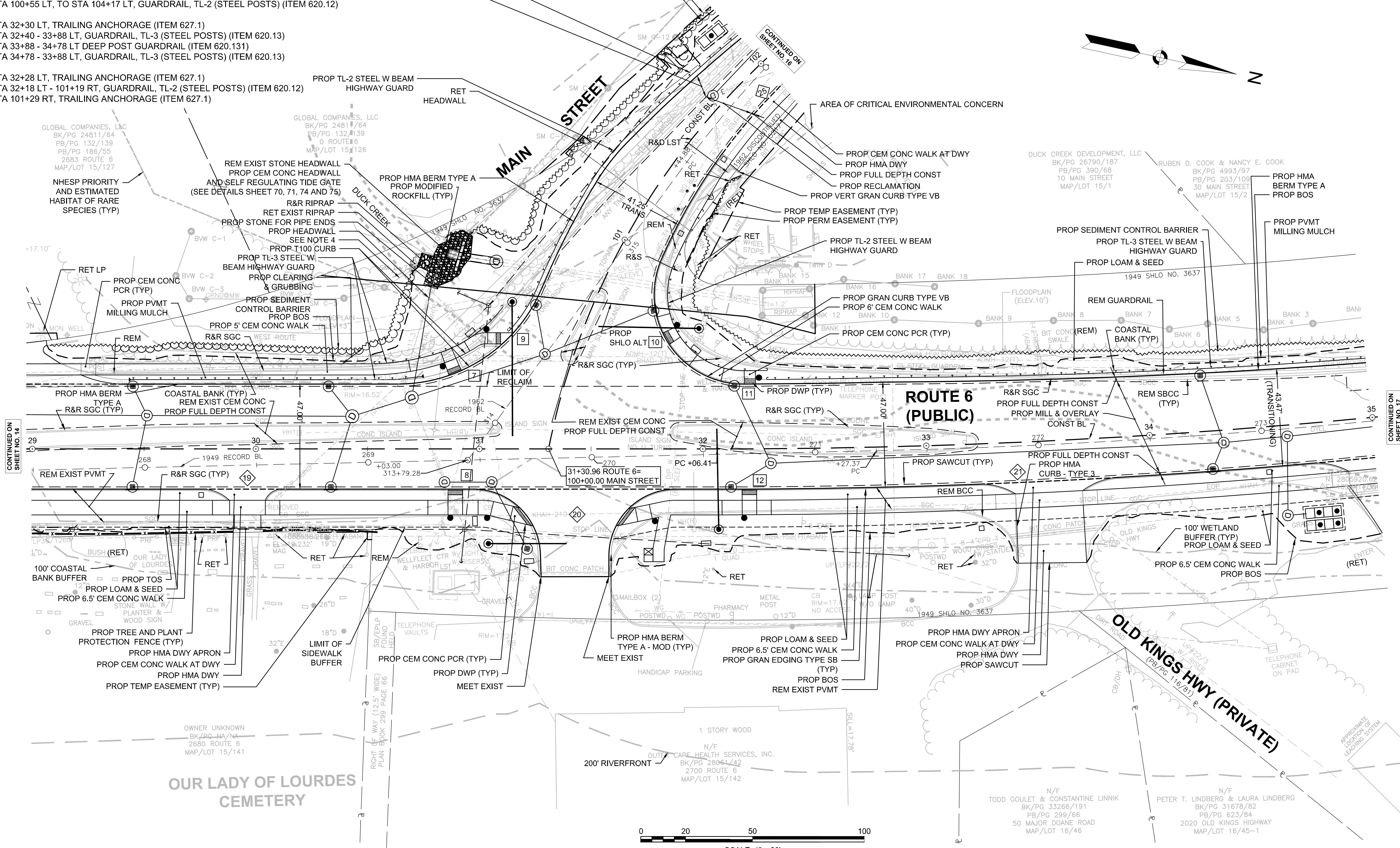
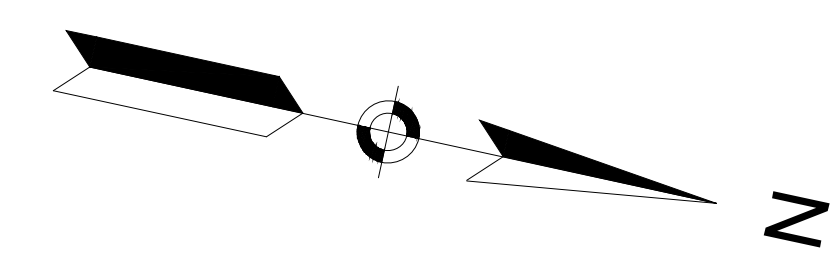
NOTES:

- FOR PROPOSED UNDERGROUND UTILITIES, SEE SHEETS 54 TO 64.
- R&R CURB AND EDGING TO BE USED WITHIN THE PROJECT LIMITS. EXCESS OR UNUSED CURB AND EDGING SHALL BE REMOVED FROM THE PROJECT SITE.
- SEE LANDSCAPE PLANS FOR SPECIFIC TYPES OF LOAM AND SEED MIXES.
- CONSTRUCTION ACTIVITIES SHALL NOT IMPACT THE EXISTING SALT MARSH INCLUDING CLEARING AND GRUBBING AND SETTING EROSION CONTROLS.
- DIAMONDBACK TERRAPIN PROTECTION PLAN REQUIRED FOR WORK NEAR DUCK CREEK FROM ROUTE 6 STA 29+00 LT TO MAIN STREET STA 104+50 LT.

WELLFLEET
 ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	15	178
PROJECT FILE NO.		607397	

CONSTRUCTION PLAN
 PART 6 OF 11



FOR PROFILE SEE SHEET NO. 25 & 30

CONTINUED ON
 SHEET NO. 14

CONTINUED ON
 SHEET NO. 17

607397_HD/CONST/PLANS/DWG Plotted on 30-May-2023 3:36 PM

**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	17	178
PROJECT FILE NO.		607397	

**CONSTRUCTION PLAN
PART 8 OF 11**

HIGHWAY GUARD DETAILS
 STA 32+40 - 33+88 LT, GUARDRAIL, TL-3 (STEEL POSTS) (ITEM 620.13)
 STA 33+88 - 34+78 LT DEEP POST GUARDRAIL (ITEM 620.131)
 STA 34+78 - 37+39 LT, GUARDRAIL, TL-3 (STEEL POSTS) (ITEM 620.13)

 STA 37+52 LT, TANGENT END, TL-3 (ITEM 627.83)

 STA 37+57 LT, TRAILING ANCHORAGE (ITEM 627.1)
 STA 37+67 - 39+26 LT, GUARDRAIL, TL-3 (STEEL POSTS) (ITEM 620.13)

TRAFFIC SIGNAL CONDUIT

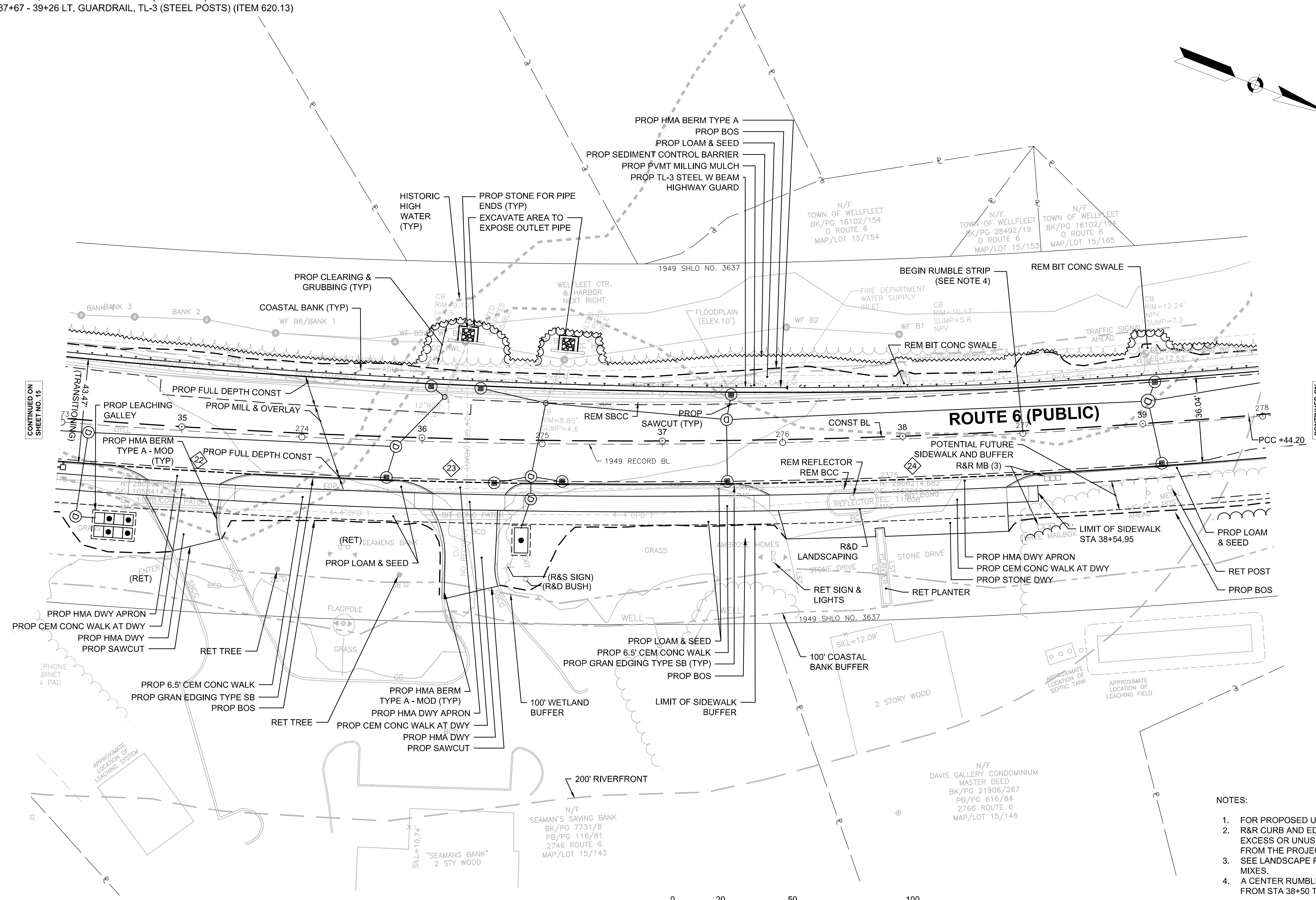
NONE

WATER SUPPLY ALTERATIONS

NONE

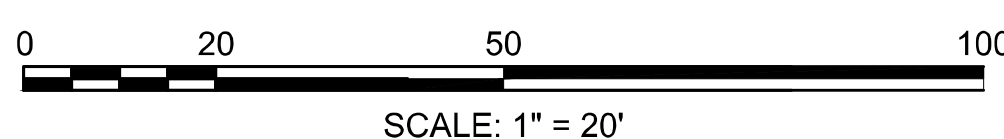
DRAINAGE DETAILS

SEE SHEET 61



NOTES:

1. FOR PROPOSED UNDERGROUND UTILITIES. SEE SHEETS 54 TO 64.
2. R&R CURB AND EDGING TO BE USED WITHIN THE PROJECT LIMITS. EXCESS OR UNUSED CURB AND EDGING SHALL BE REMOVED FROM THE PROJECT SITE.
3. SEE LANDSCAPE PLANS FOR SPECIFIC TYPES OF LOAM AND SEED MIXES.
4. A CENTER RUMBLE STRIP - TYPE C - SHALL BE CONSTRUCTED FROM STA 38+50 TO 50+76±.



FOR PROFILE SEE SHEET NO. 26

CONTINUED ON
SHEET NO. 15

CONTINUED ON
SHEET NO. 18

**WELFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	18	178
PROJECT FILE NO.		607397	

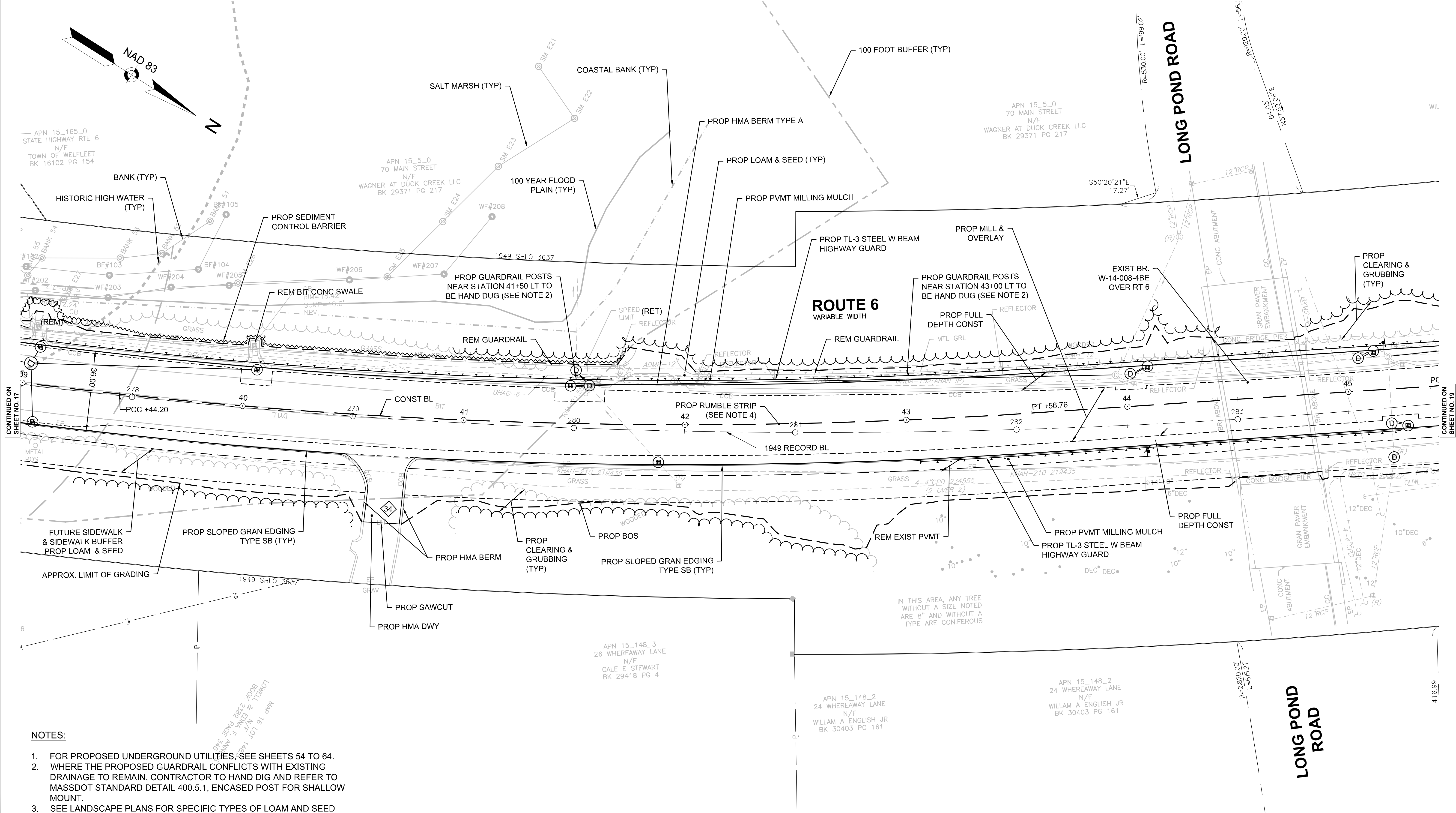
**CONSTRUCTION PLANS
PART 9 OF 11**

HIGHWAY GUARD DETAILS
 STA 39+26 - 46+04 LT, GUARDRAIL, TL-3 (ITEM 620.13)
 STA 46+17 LT, TANGENT END, TL-3 (ITEM 627.83)
 STA 43+19 - 45+11 RT, GUARDRAIL, TL-3 (ITEM 620.13)
 STA 43+06 RT, TANGENT END, TL-3 (ITEM 627.83)
 STA 45+21 RT, TRAILING ANCHORAGE, (ITEM 627.1)

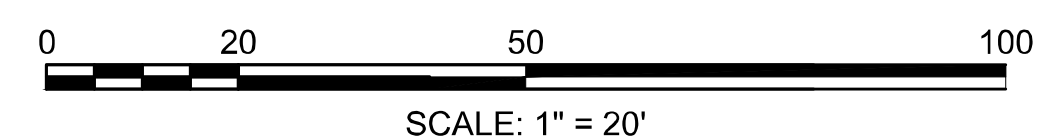
TRAFFIC SIGNAL CONDUIT
 NONE

WATER SUPPLY ALTERATIONS
 NONE

DRAINAGE DETAILS
 SEE SHEET 64



- NOTES:**
- FOR PROPOSED UNDERGROUND UTILITIES, SEE SHEETS 54 TO 64.
 - WHERE THE PROPOSED GUARDRAIL CONFLICTS WITH EXISTING DRAINAGE TO REMAIN, CONTRACTOR TO HAND DIG AND REFER TO MASSDOT STANDARD DETAIL 400.5.1, ENCASED POST FOR SHALLOW MOUNT.
 - SEE LANDSCAPE PLANS FOR SPECIFIC TYPES OF LOAM AND SEED MIXES.
 - A CENTER RUMBLE STRIP - TYPE C - SHALL BE CONSTRUCTED AT DOUBLE YELLOW PAVEMENT MARKING LOCATIONS FROM STATION 38+50 TO 50+76±



FOR PROFILE PLANS:
 SEE SHEET NO. 27

HIGHWAY GUARD DETAILS

STA 39+26 - 46+04 LT, GUARDRAIL, TL-3 (ITEM 620.13)
STA 46+17 LT, TANGENT END, TL-3 (ITEM 627.83)

STA 48+83 LT, TRAILING ANCHORAGE, TL-3 (ITEM 627.1)
STA 48+93 - 52+21 LT, GUARDRAIL, TL-3 (ITEM 620.13)
STA 52+34 LT, TANGENT END, TL-3 (ITEM 627.83)

STA 43+19 - 45+11 RT, GUARDRAIL, TL-3 (ITEM 620.13)
STA 43+06 RT, TANGENT END, TL-3 (ITEM 627.83)
STA 45+21 RT, TRAILING ANCHORAGE, TL-3 (ITEM 627.1)

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

NONE

DRAINAGE DETAILS

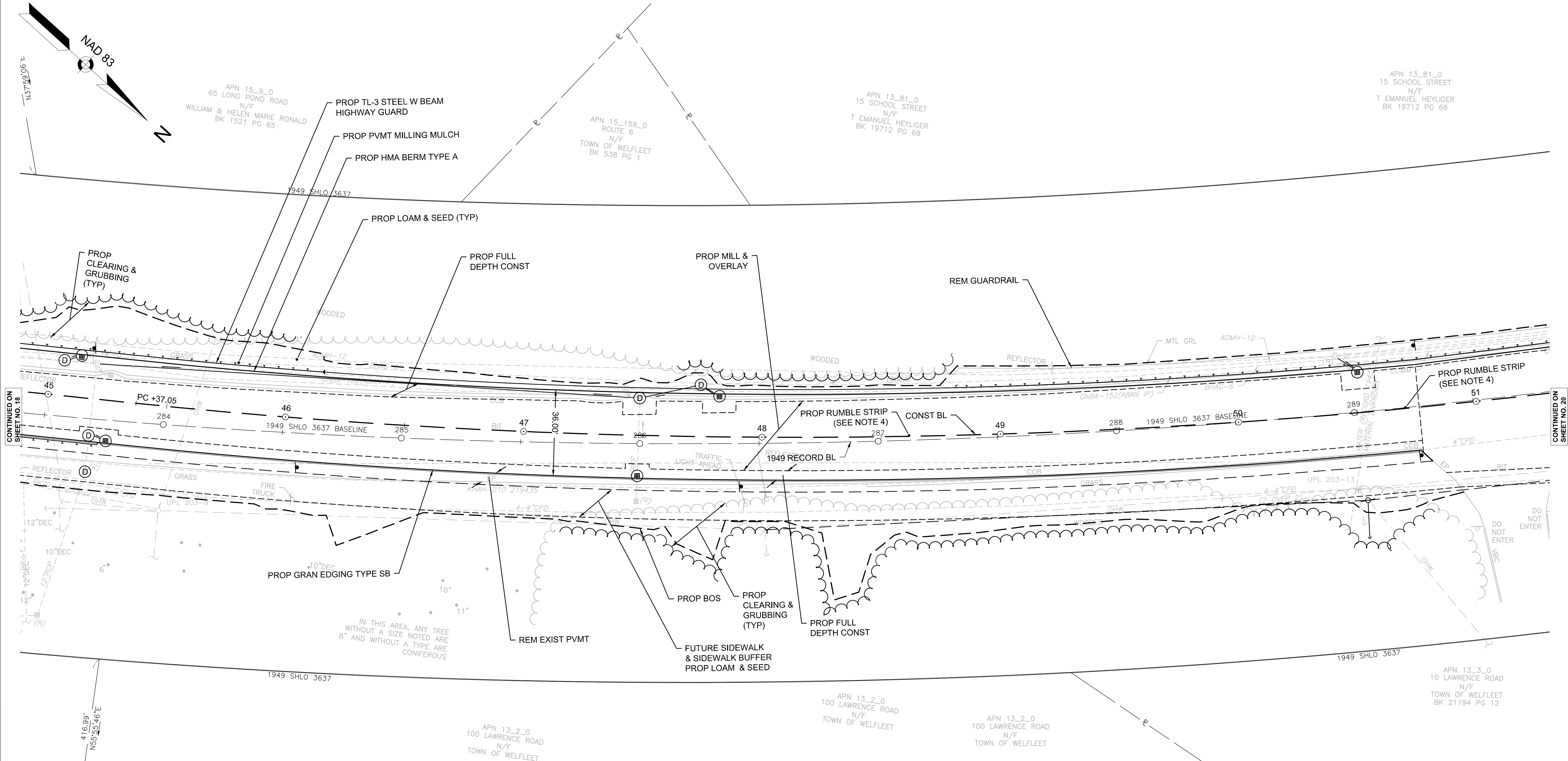
SEE SHEET 65

WELFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQHSI/STP/TAP-0035(052)X	19	178
PROJECT FILE NO.		607397	

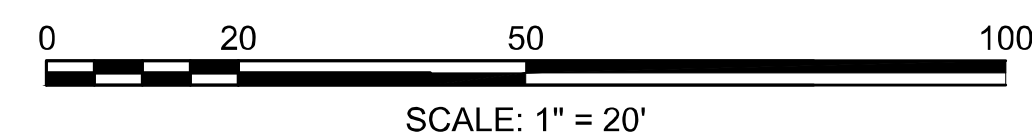
CONSTRUCTION PLANS
PART 10 OF 11

APN 13_81_0
15 SCHOOL STREET
N/F
T EMANUEL HEYLIGER
BK 19712 PG 68



NOTES:

1. FOR PROPOSED UNDERGROUND UTILITIES, SEE SHEETS 54 TO 64
2. WHERE THE PROPOSED GUARDRAIL CONFLICTS WITH EXISTING DRAINAGE TO REMAIN, CONTRACTOR TO HAND DIG AND REFER TO MASSDOT STANDARD DETAIL 400.5.1, ENCASED POST FOR SHALLOW MOUNT.
3. SEE LANDSCAPE PLANS FOR SPECIFIC TYPES OF LOAM AND SEED MIXES.
4. A CENTER RUMBLE STRIP - TYPE C - SHALL BE CONSTRUCTED AT DOUBLE YELLOW PAVEMENT MARKING LOCATIONS FROM STATION 38+50 TO 50+76±.



FOR PROFILE PLANS:
SEE SHEET NO. 28

HIGHWAY GUARD DETAILS

STA 39+26 - 46+04 LT, GUARDRAIL, TL-3 (ITEM 620.13)
STA 46+17 LT, TANGENT END, TL-3 (ITEM 627.83)

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

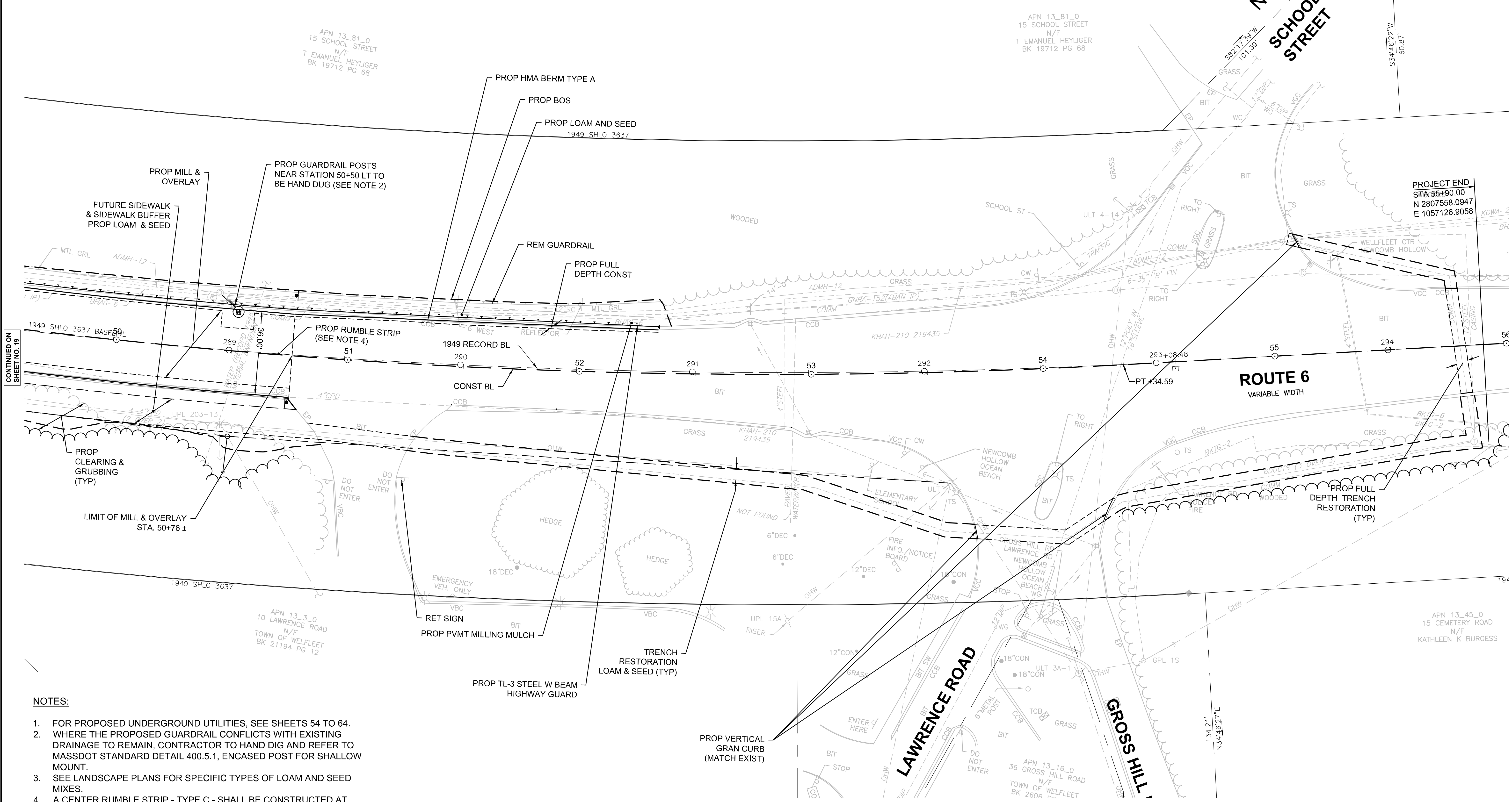
NONE

DRAINAGE DETAILS

SEE SHEET 66

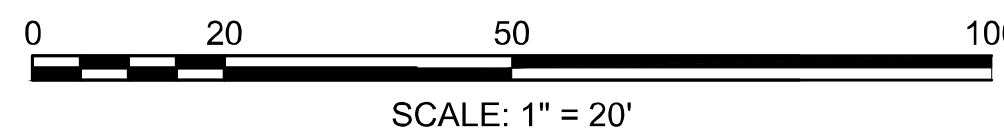
STA 48+83 LT, TRAILING ANCHORAGE, TL-3 (ITEM 627.1)
STA 48+93 - 52+21 LT, GUARDRAIL, TL-3 (ITEM 620.13)
STA 52+34 LT, TANGENT END, TL-3 (ITEM 627.83)

WELLFLEET ROUTE 6 / MAIN STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQHSI/STP/TAP-0035(052)X	20	178
PROJECT FILE NO.		607397	
CONSTRUCTION PLANS PART 11 OF 11			



CONTINUED ON SHEET NO. 19

- NOTES:
- FOR PROPOSED UNDERGROUND UTILITIES, SEE SHEETS 54 TO 64.
 - WHERE THE PROPOSED GUARDRAIL CONFLICTS WITH EXISTING DRAINAGE TO REMAIN, CONTRACTOR TO HAND DIG AND REFER TO MASSDOT STANDARD DETAIL 400.5.1, ENCASED POST FOR SHALLOW MOUNT.
 - SEE LANDSCAPE PLANS FOR SPECIFIC TYPES OF LOAM AND SEED MIXES.
 - A CENTER RUMBLE STRIP - TYPE C - SHALL BE CONSTRUCTED AT DOUBLE YELLOW PAVEMENT MARKING LOCATIONS FROM STATION 38+50 TO 50+76±.



FOR PROFILE PLANS:
SEE SHEET NO. 29

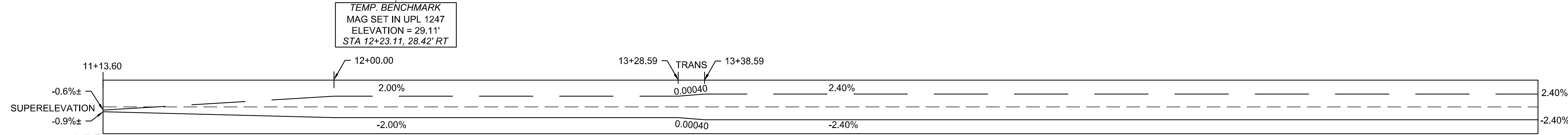
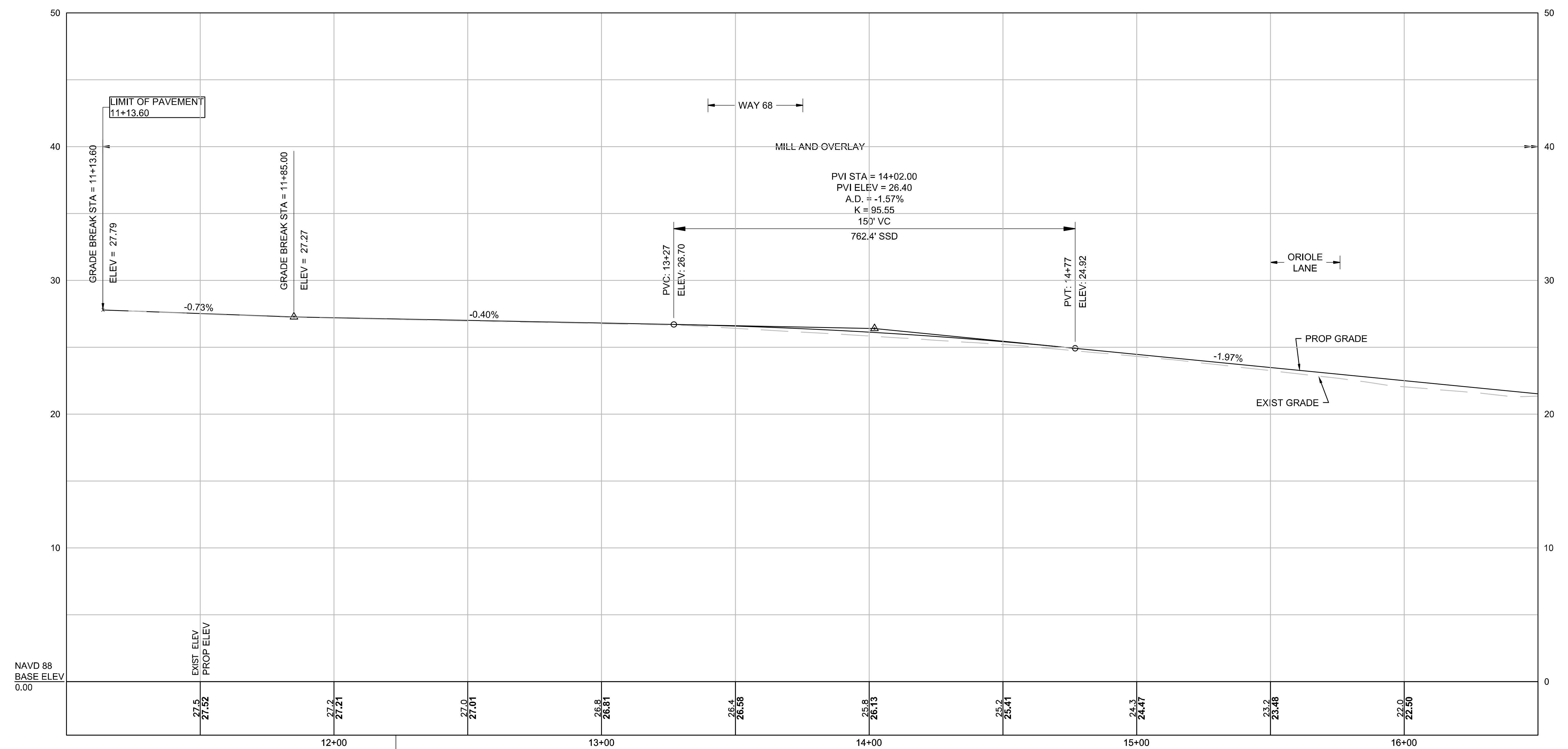
Printed on 6-Jun-2023 5:03 PM
607397_HD/CONST-PLAN/DWG

WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	21	178
PROJECT FILE NO.		607397	

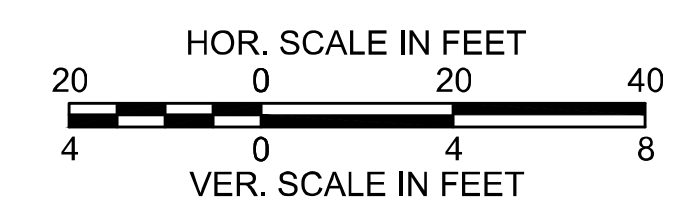
PROFILE - ROUTE 6
PART 1 OF 9

ROUTE 6



TEMP. BENCHMARK
MAG SET IN UPL 1247
ELEVATION = 29.11'
STA 12+23.11, 28.42' RT

SUPERELEVATION LEGEND
 ——— LEFT SIDE CROSS SLOPE
 ——— RIGHT SIDE CROSS SLOPE



FOR CONSTRUCTION PLANS:
SEE SHEET NO. 11

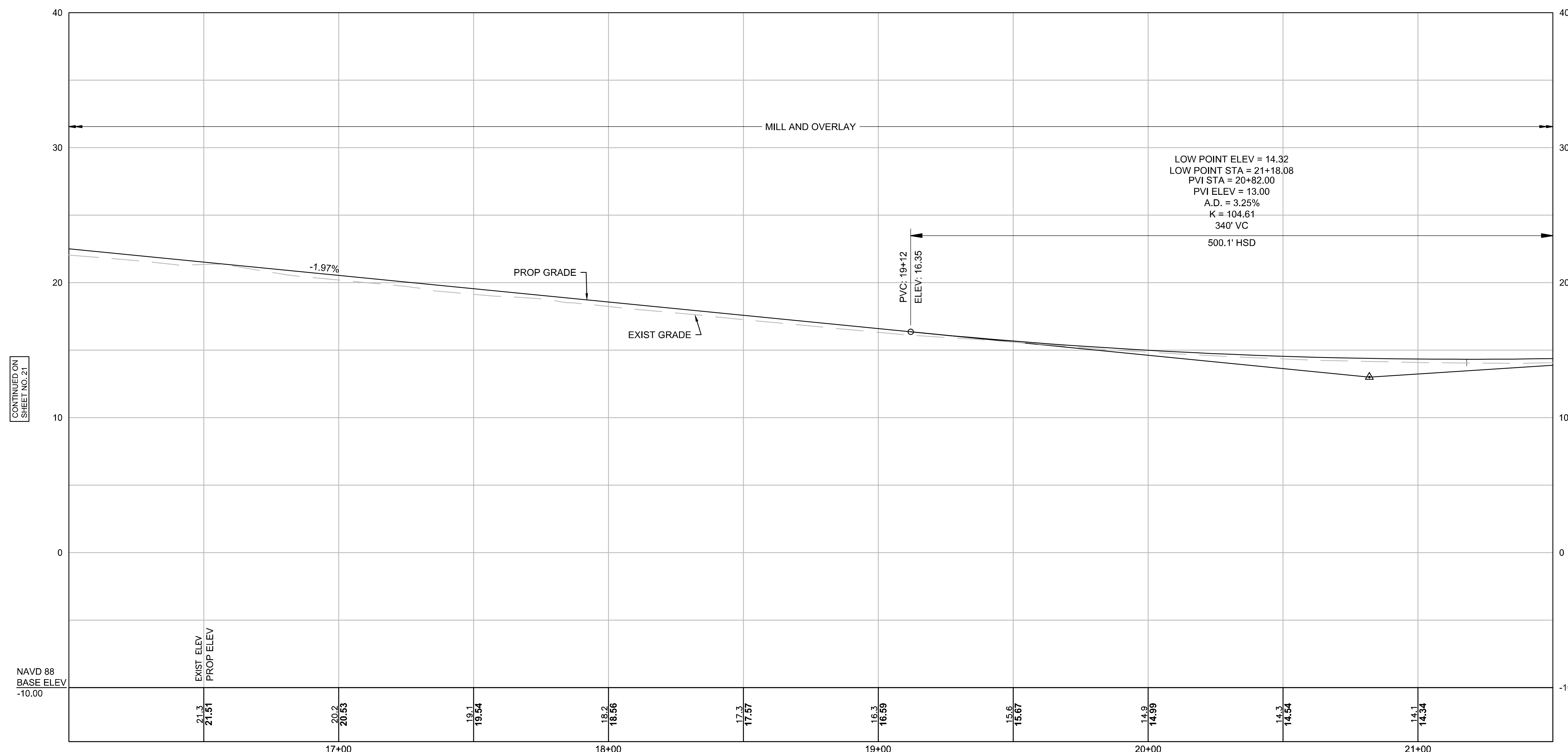
CONTINUED ON
SHEET NO. 22

WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/ST/P/TAP-0035(052)X	22	178
PROJECT FILE NO.		607397	

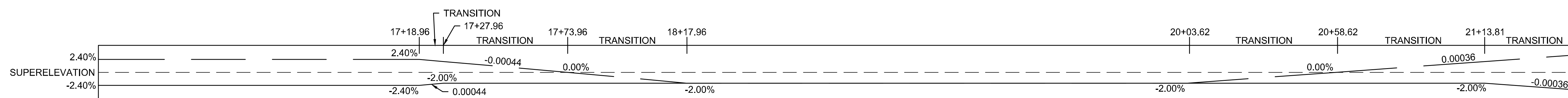
PROFILE - ROUTE 6
PART 2 OF 9

ROUTE 6

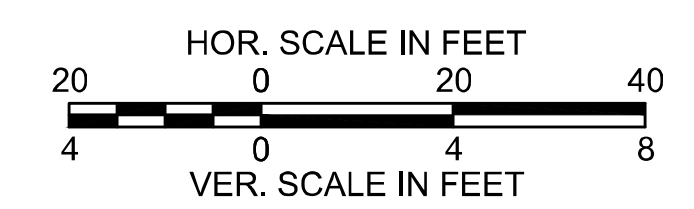


CONTINUED ON
SHEET NO. 21

CONTINUED ON
SHEET NO. 23



SUPERELEVATION LEGEND
 ——— LEFT SIDE CROSS SLOPE
 ——— RIGHT SIDE CROSS SLOPE



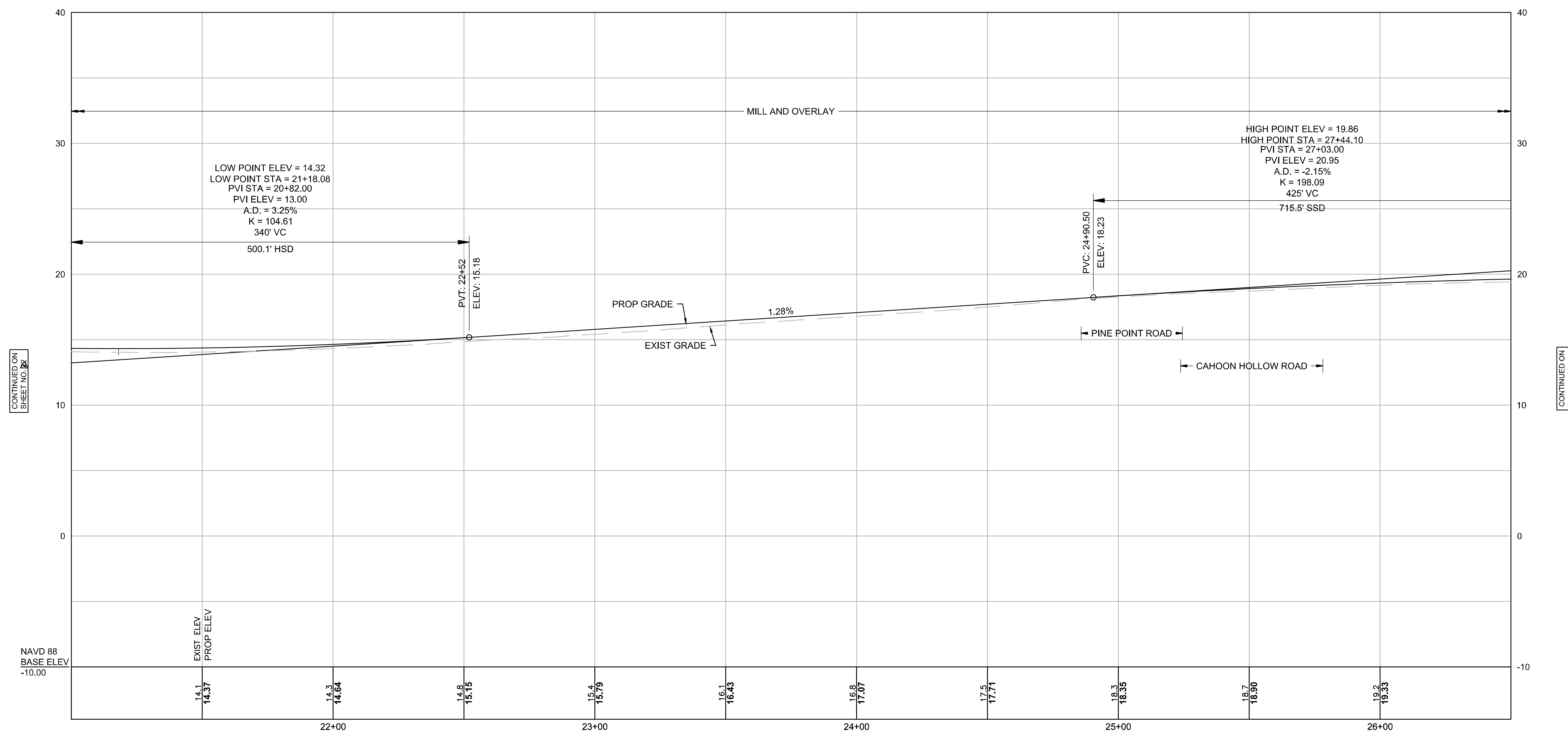
FOR CONSTRUCTION PLANS:
SEE SHEET NO. 12

WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	23	178
PROJECT FILE NO.		607397	

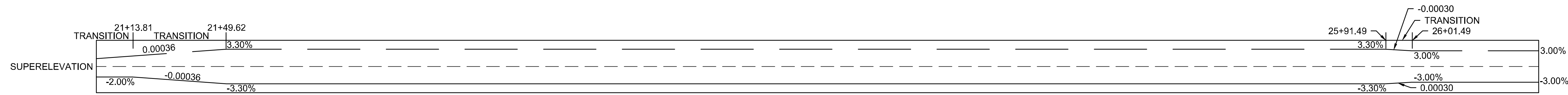
PROFILE - ROUTE 6
PART 3 OF 9

ROUTE 6

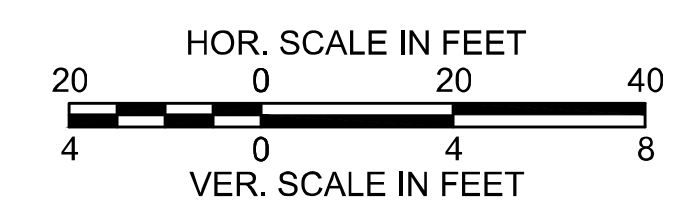


CONTINUED ON
SHEET NO. 22

CONTINUED ON
SHEET NO. 24



SUPERELEVATION LEGEND
 ——— LEFT SIDE CROSS SLOPE
 ——— RIGHT SIDE CROSS SLOPE



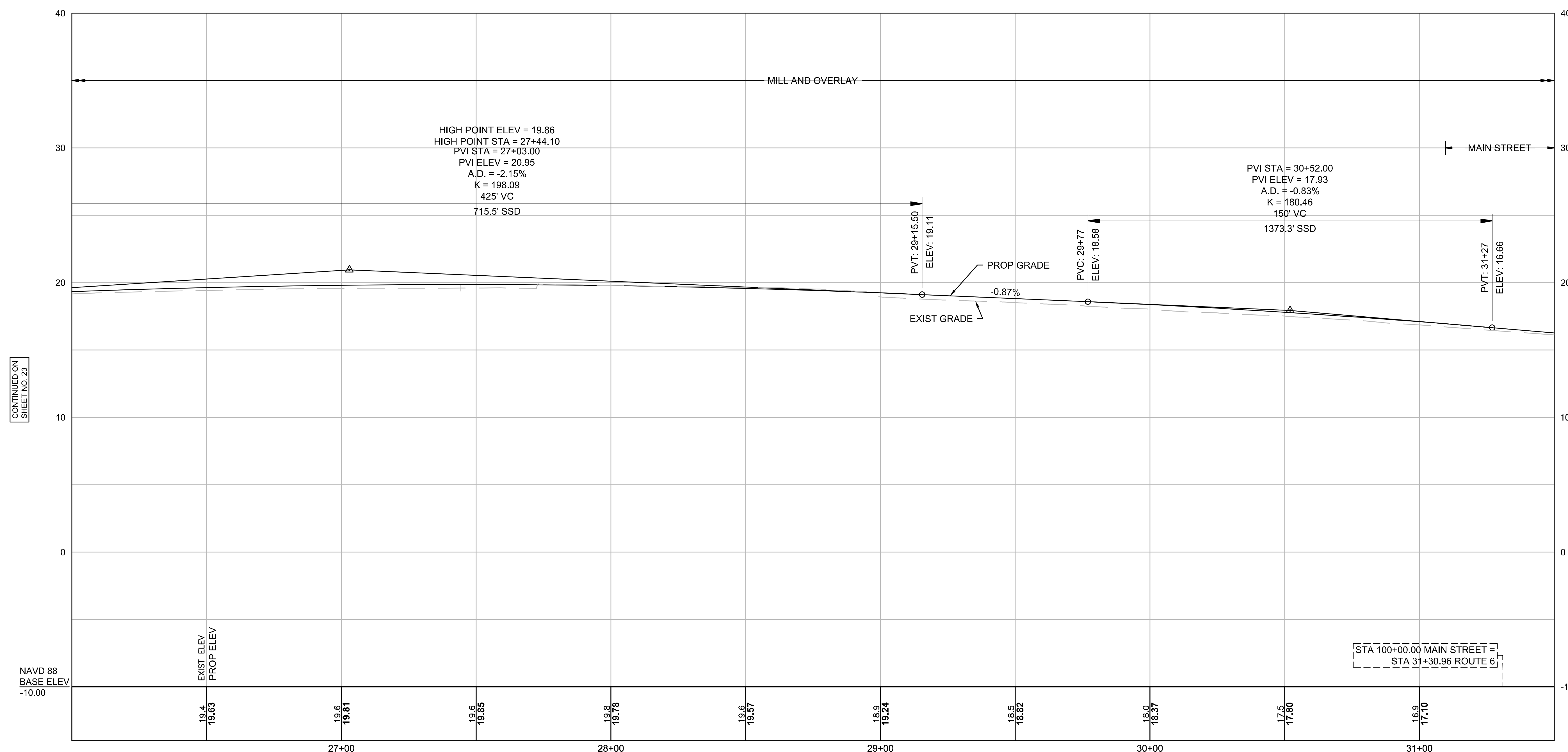
FOR CONSTRUCTION PLANS:
SEE SHEET NO. 13

WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	24	178
PROJECT FILE NO.		607397	

PROFILE - ROUTE 6
PART 4 OF 9

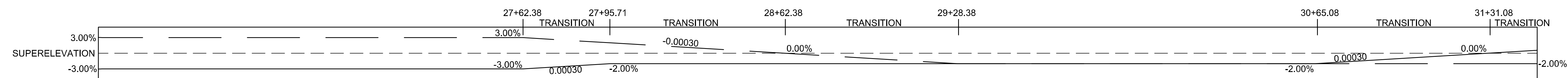
ROUTE 6



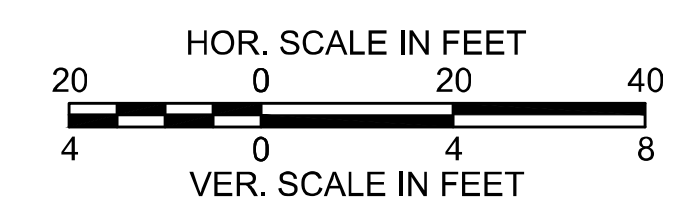
CONTINUED ON
SHEET NO. 23

CONTINUED ON
SHEET NO. 25

STA 100+00.00 MAIN STREET =
STA 31+30.96 ROUTE 6



SUPERELEVATION LEGEND
 — LEFT SIDE CROSS SLOPE
 — RIGHT SIDE CROSS SLOPE



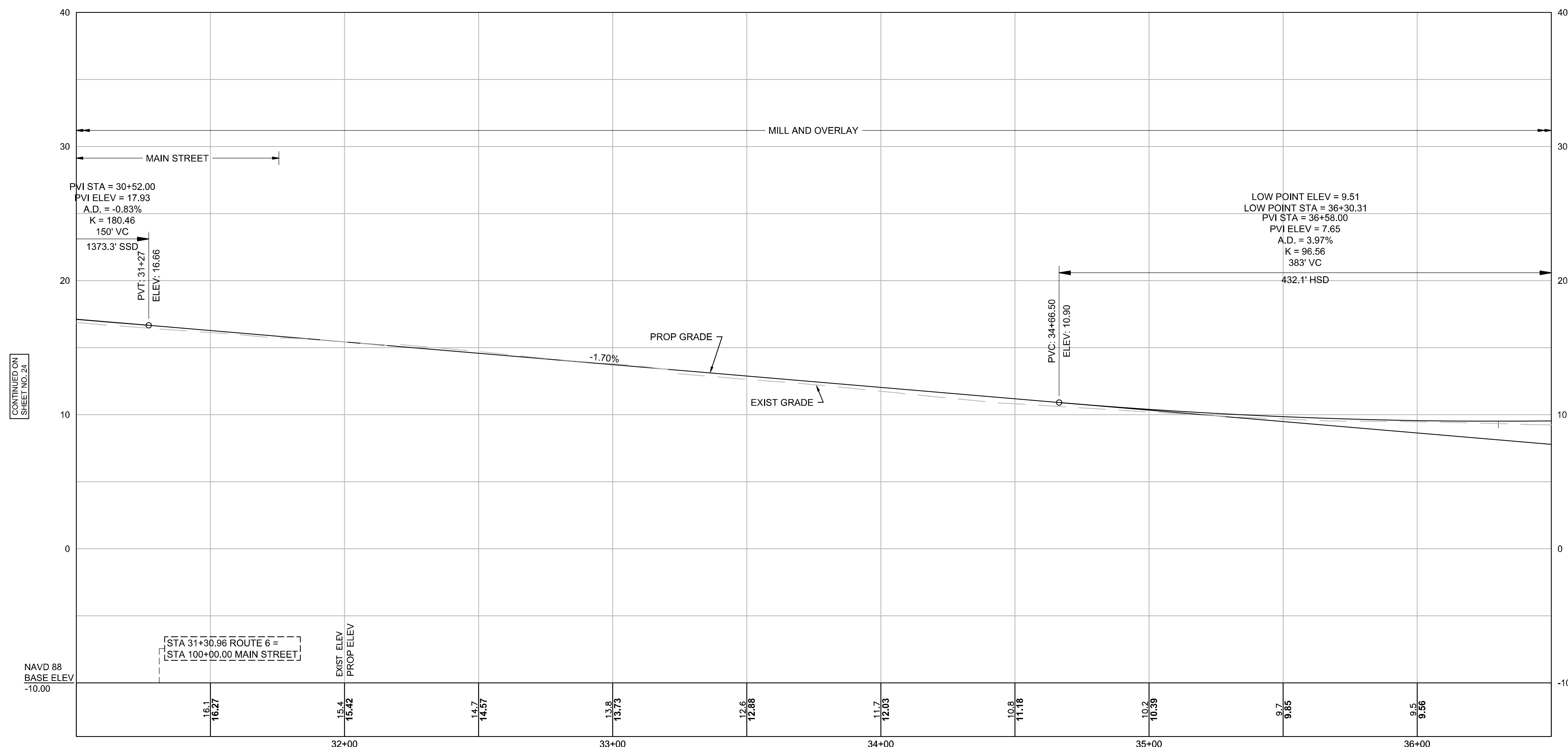
FOR CONSTRUCTION PLANS:
SEE SHEET NO. 14

WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	25	178
PROJECT FILE NO.		607397	

PROFILE - ROUTE 6
PART 5 OF 9

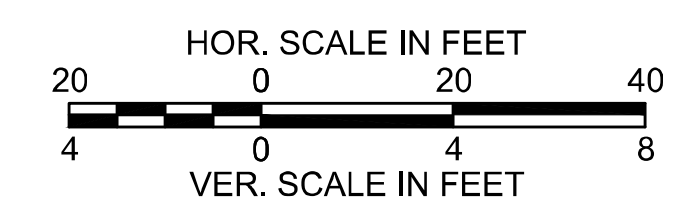
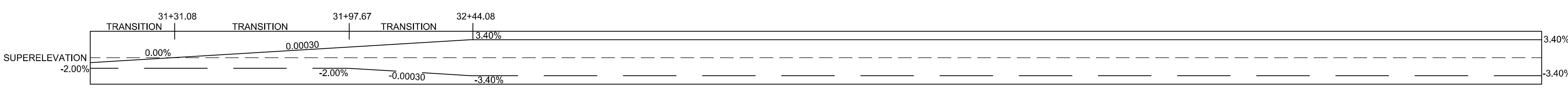
ROUTE 6



CONTINUED ON SHEET NO. 24

CONTINUED ON SHEET NO. 26

STA 31+30.96 ROUTE 6 =
STA 100+00.00 MAIN STREET



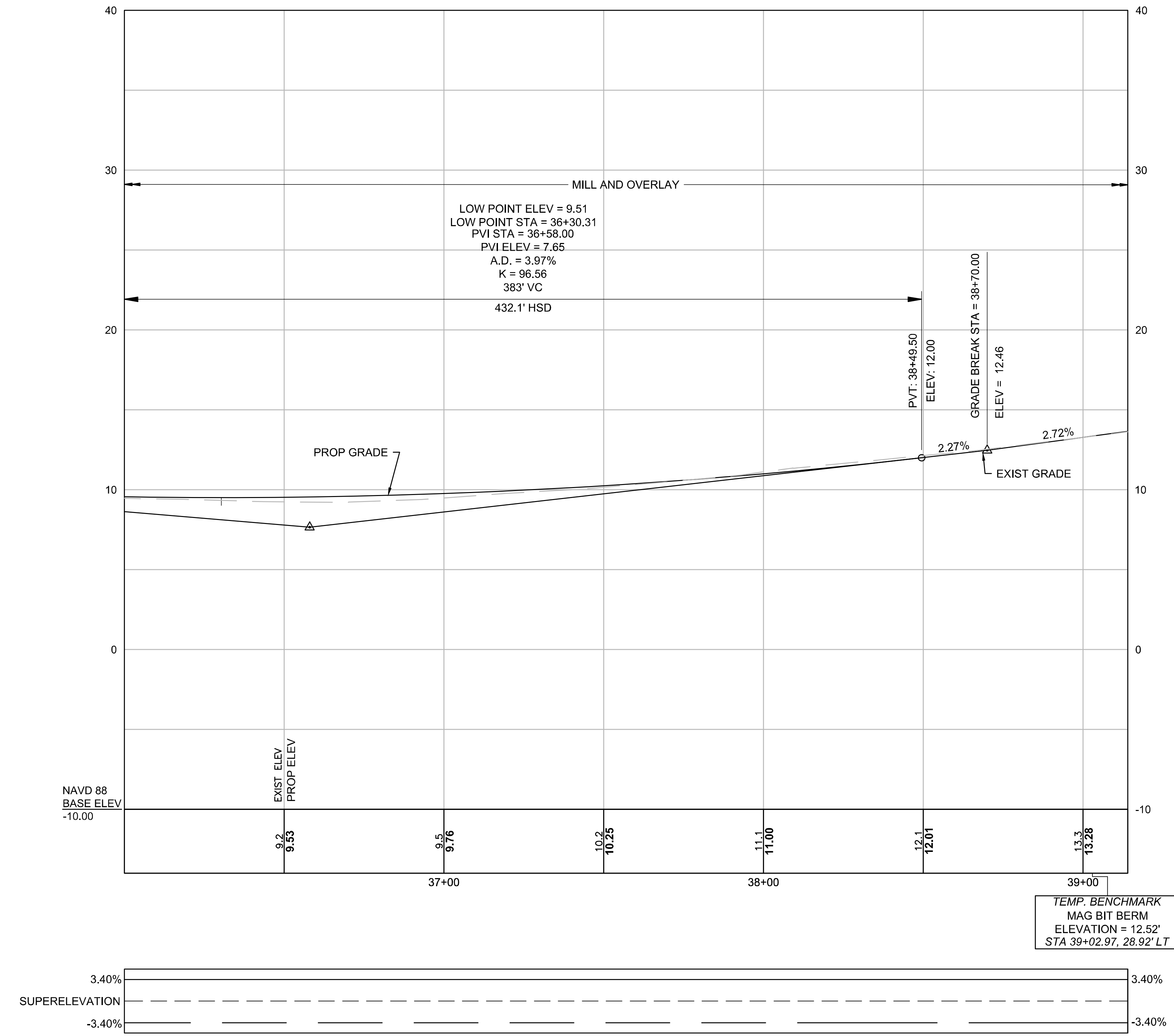
FOR CONSTRUCTION PLANS:
SEE SHEET NO. 15

WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	26	178
PROJECT FILE NO.		607397	

PROFILE - ROUTE 6
PART 6 OF 9

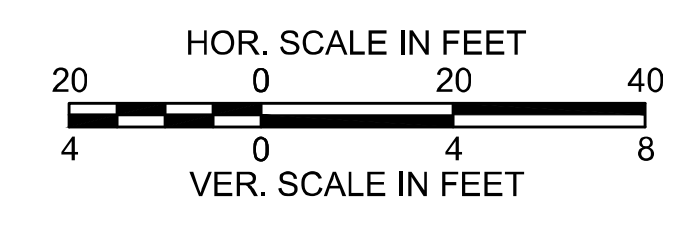
ROUTE 6



CONTINUED ON
SHEET NO. 25

CONTINUED ON
SHEET NO. 27

SUPERELEVATION LEGEND
 ——— LEFT SIDE CROSS SLOPE
 ——— RIGHT SIDE CROSS SLOPE



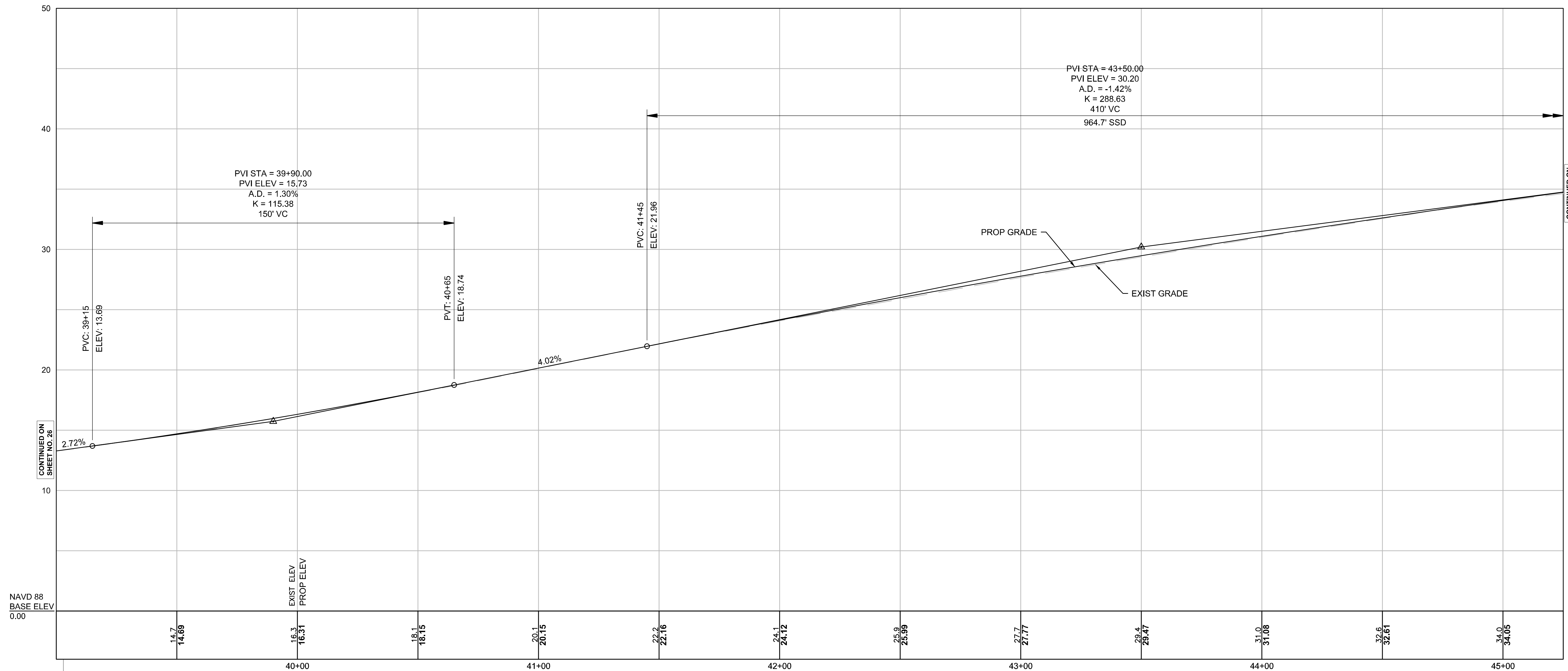
FOR CONSTRUCTION PLANS:
SEE SHEET NO. 17

WELLFLEET
ROUTE 6 / MAIN STREET

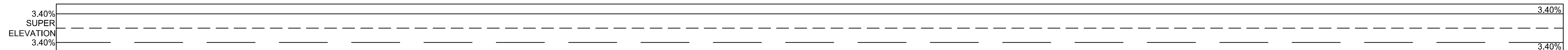
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	27	178
PROJECT FILE NO.		607397	

PROFILE - ROUTE 6
PART 7 OF 9

ROUTE 6



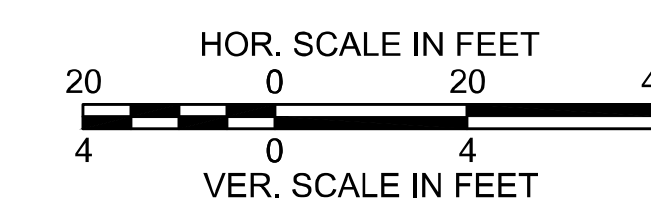
Temp. Benchmark #X
Magnetic Nail in
Eumirinus Perm
Elevation = 12.32'
Sta. 39+02.97, 28.92' LT



SUPERELEVATION LEGEND

- LEFT SIDE CROSS SLOPE
- RIGHT SIDE CROSS SLOPE

FOR CONSTRUCTION PLANS:
SEE SHEET NO. 18

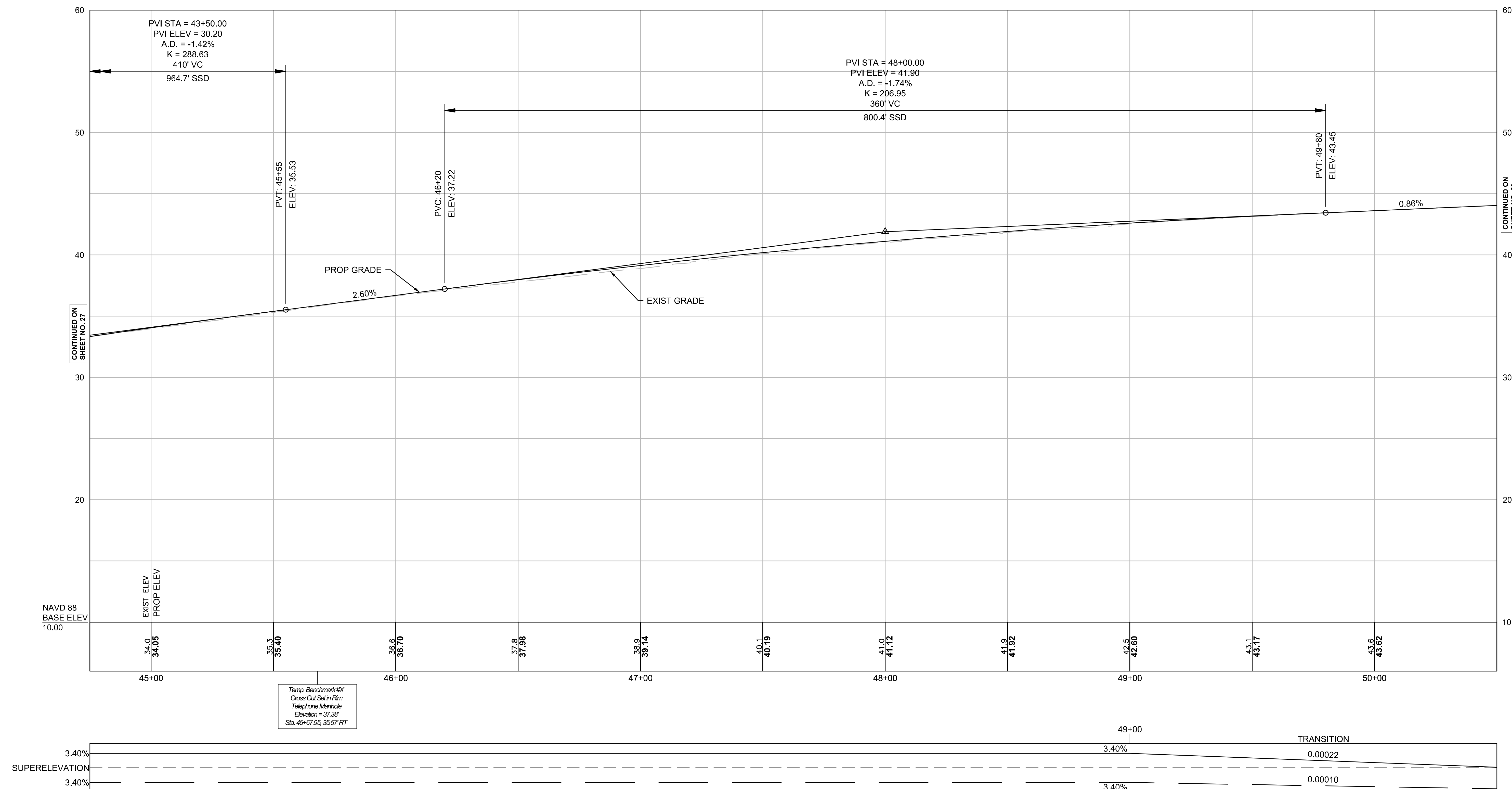


WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	28	178
PROJECT FILE NO.		607397	

PROFILE - ROUTE 6
PART 8 OF 9

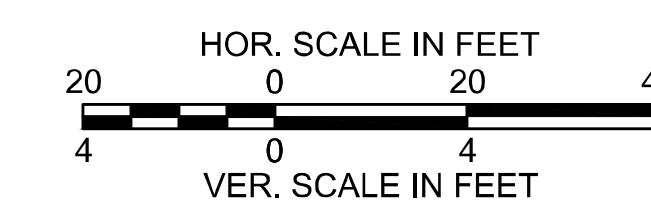
ROUTE 6



Temp. Benchmark #X
Cross Cut Set in Firm
Telephone Manhole
Elevation = 37.38
Sta. 45+67.95, 35.57 RT

SUPERELEVATION LEGEND
 ——— LEFT SIDE CROSS SLOPE
 ——— RIGHT SIDE CROSS SLOPE

FOR CONSTRUCTION PLANS:
SEE SHEET NO. 19

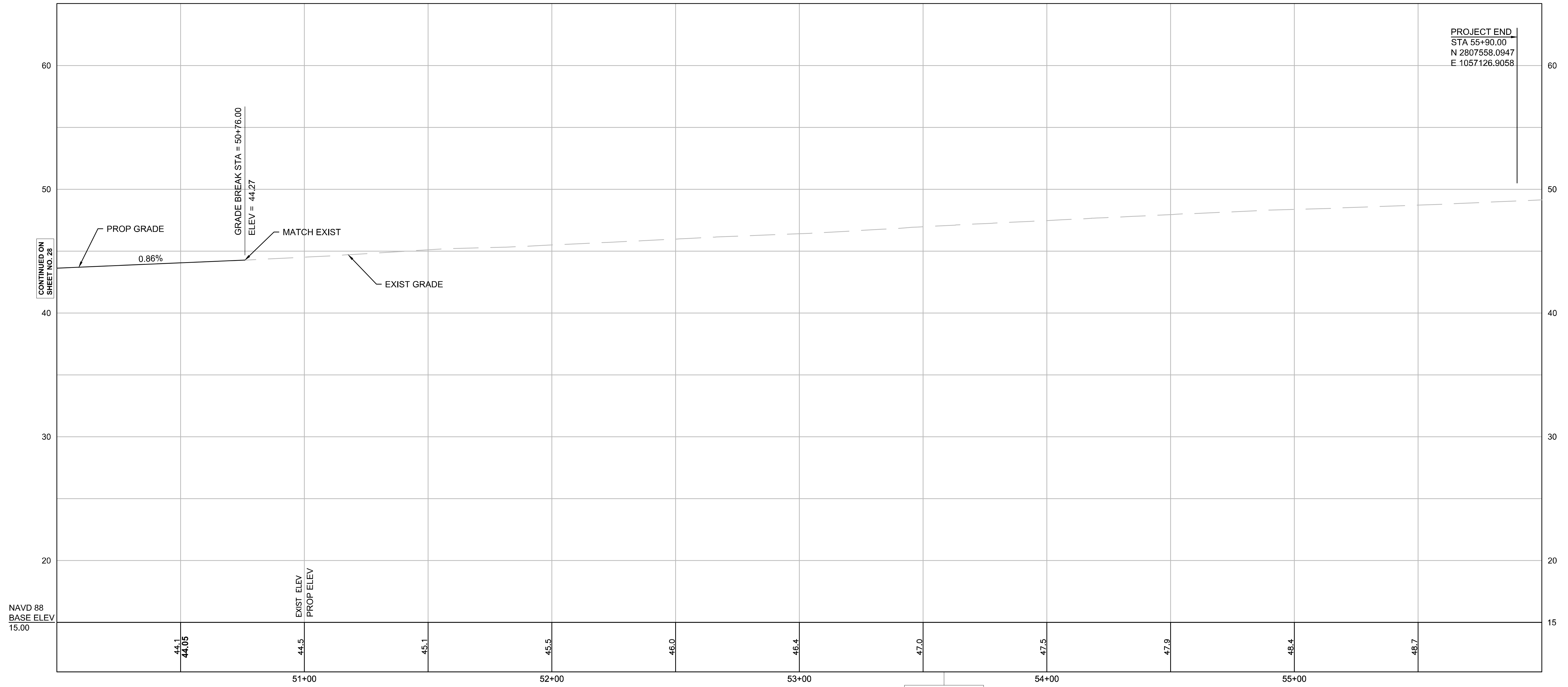


WELLFLEET
ROUTE 6 / MAIN STREET

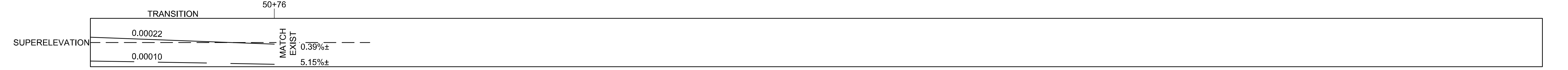
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	29	178
PROJECT FILE NO.		607397	

PROFILE - ROUTE 6
PART 9 OF 9

ROUTE 6



44.1	44.05	44.5	45.1	45.5	46.0	46.4	47.0	47.5	47.9	48.4	48.7
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SUPERELEVATION LEGEND
 ——— LEFT SIDE CROSS SLOPE
 ——— RIGHT SIDE CROSS SLOPE

FOR CONSTRUCTION PLANS:
SEE SHEET NO. 20

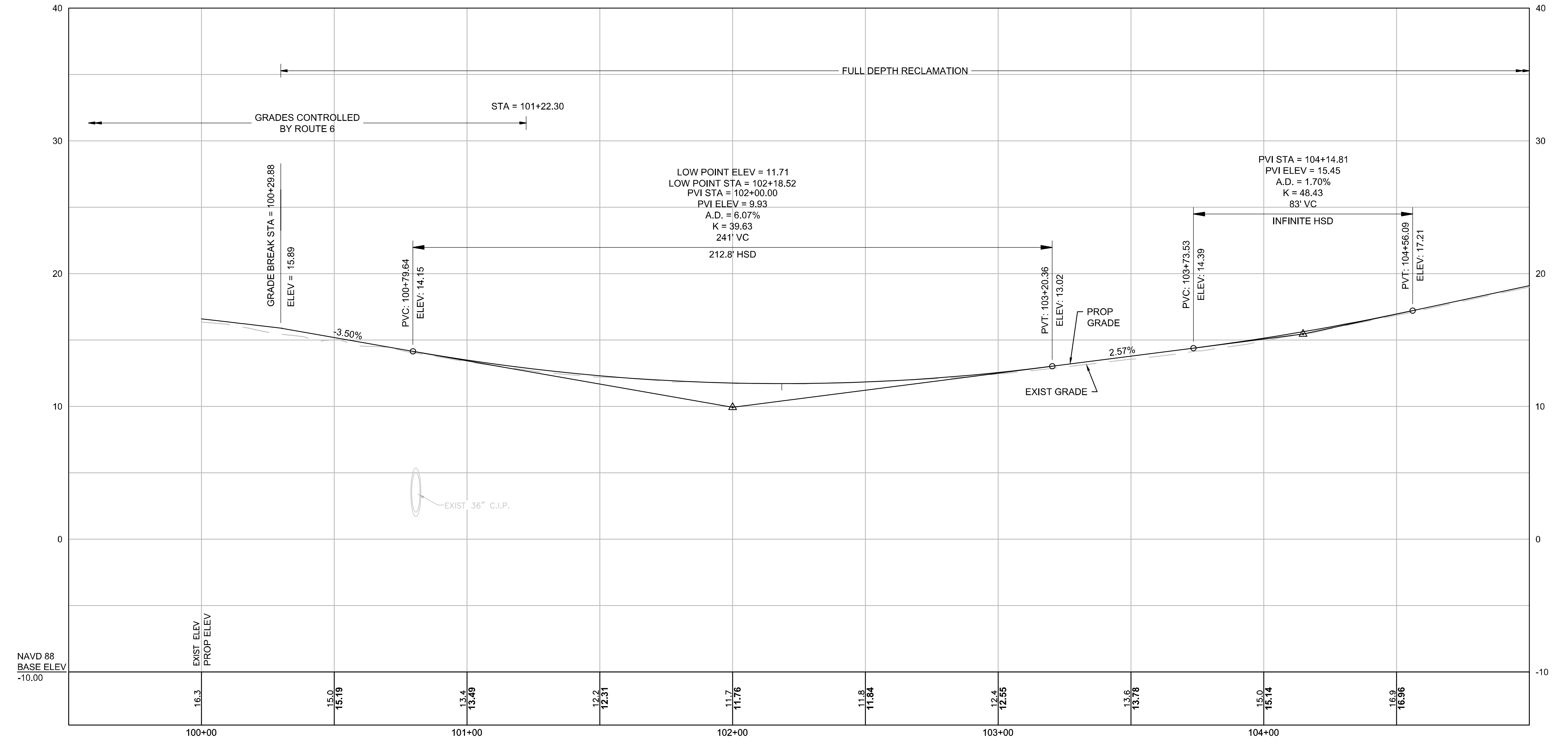
HOR. SCALE IN FEET
 0 20 40
 4 0 4 8
 VER. SCALE IN FEET

WELLFLEET
ROUTE 6 / MAIN STREET

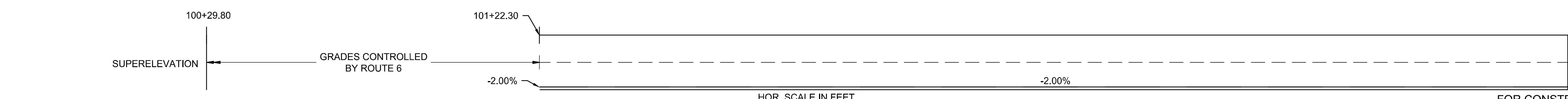
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/ST/P1AP-0035(052)X	30	178
PROJECT FILE NO.		607397	

PROFILE - MAIN STREET
PART 1 OF 2

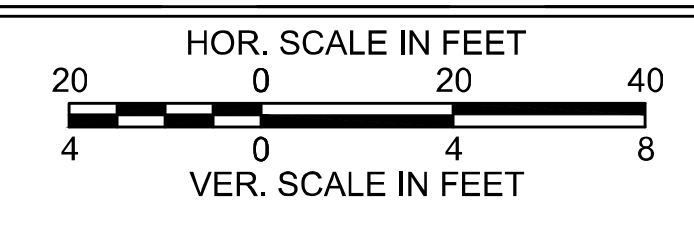
MAIN STREET



CONTINUED ON
SHEET NO. 31



SUPERELEVATION LEGEND
 ——— LEFT SIDE CROSS SLOPE
 ——— RIGHT SIDE CROSS SLOPE



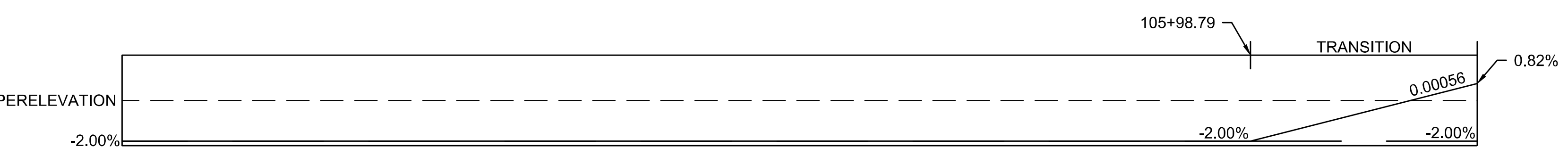
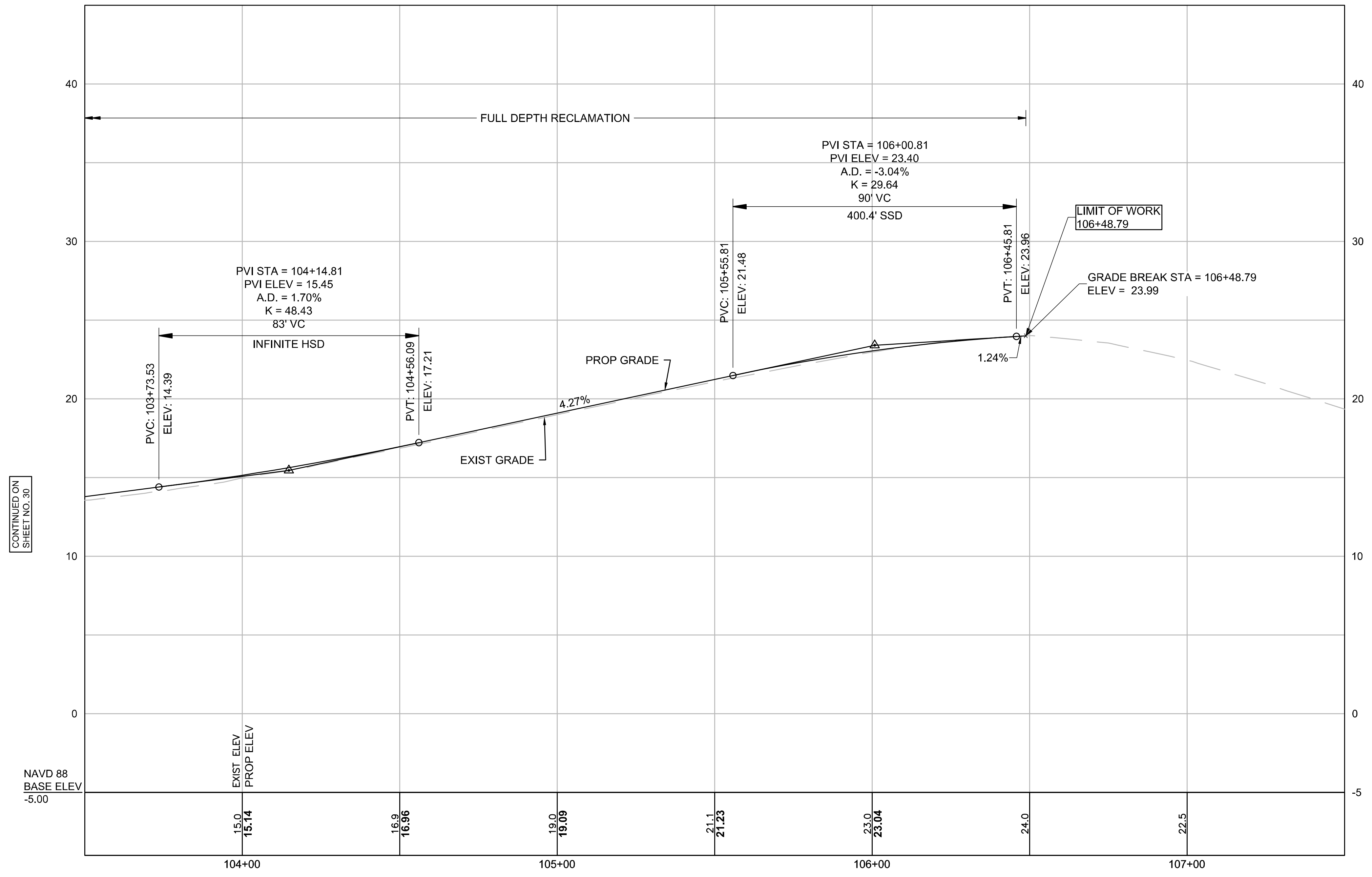
FOR CONSTRUCTION PLANS:
SEE SHEET NO. 15 & 16

WELLFLEET
ROUTE 6 / MAIN STREET

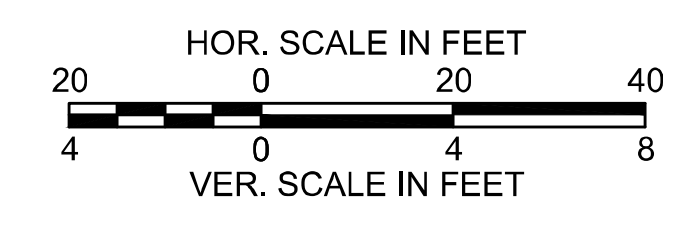
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	31	178
PROJECT FILE NO.		607397	

PROFILE - MAIN STREET
PART 2 OF 2

MAIN STREET



SUPERELEVATION LEGEND
 — LEFT SIDE CROSS SLOPE
 — RIGHT SIDE CROSS SLOPE



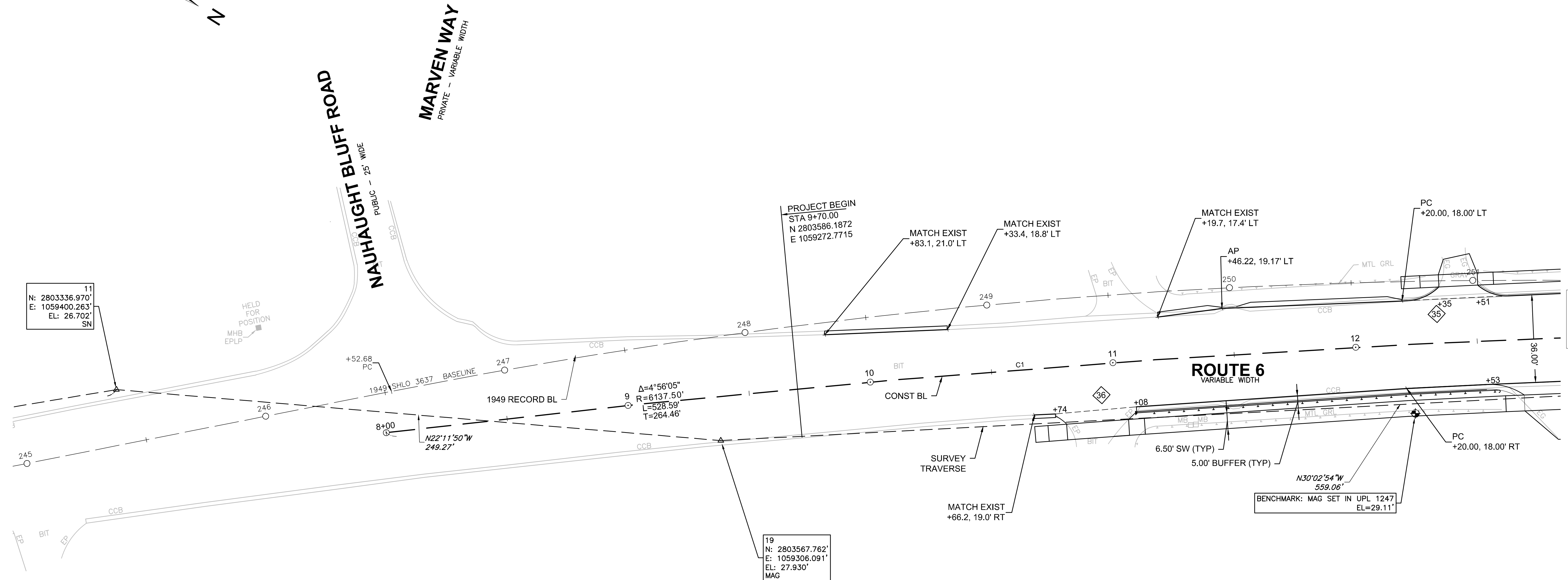
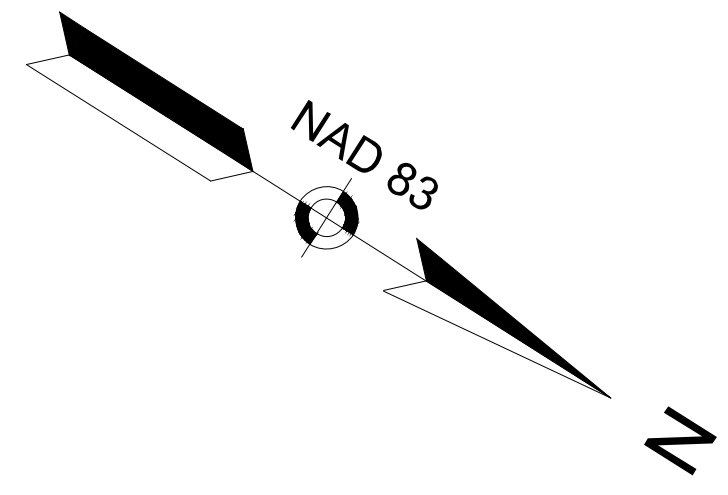
FOR CONSTRUCTION PLANS:
SEE SHEET NO. 16

WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	32	178
PROJECT FILE NO.		607397	

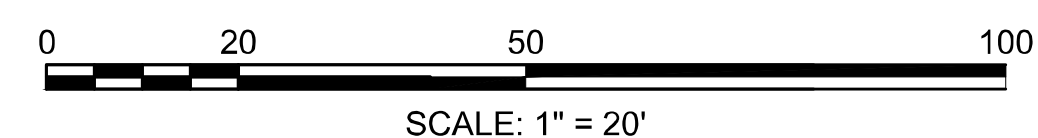
CURB TIE PLANS
PART 1 OF 11

ROUTE 6 CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C1	8+00.00	2803443.811	1059365.653	R=6137.50 L=528.59' Δ=4°56'05" T=264.46'		13+28.59	2803894.633	1059089.980



11
N: 2803336.970'
E: 1059400.263'
EL: 26.702'
SN

19
N: 2803567.762'
E: 1059306.091'
EL: 27.930'
MAG

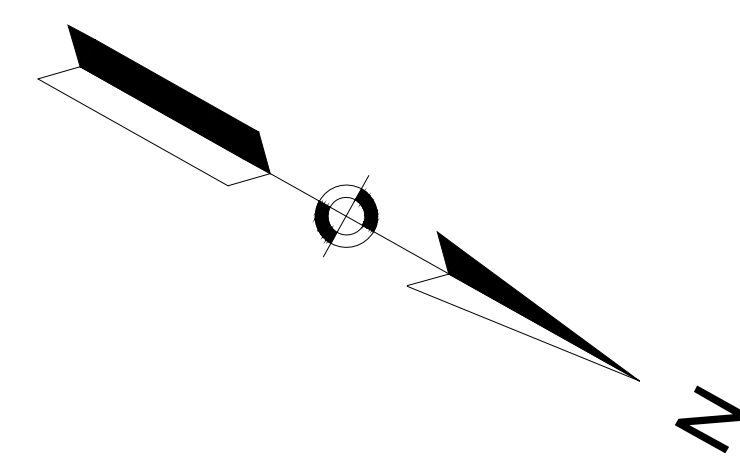


CONTINUED ON
SHEET NO. 33

WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	33	178
PROJECT FILE NO.		607397	

CURB TIE PLAN
PART 2 OF 11

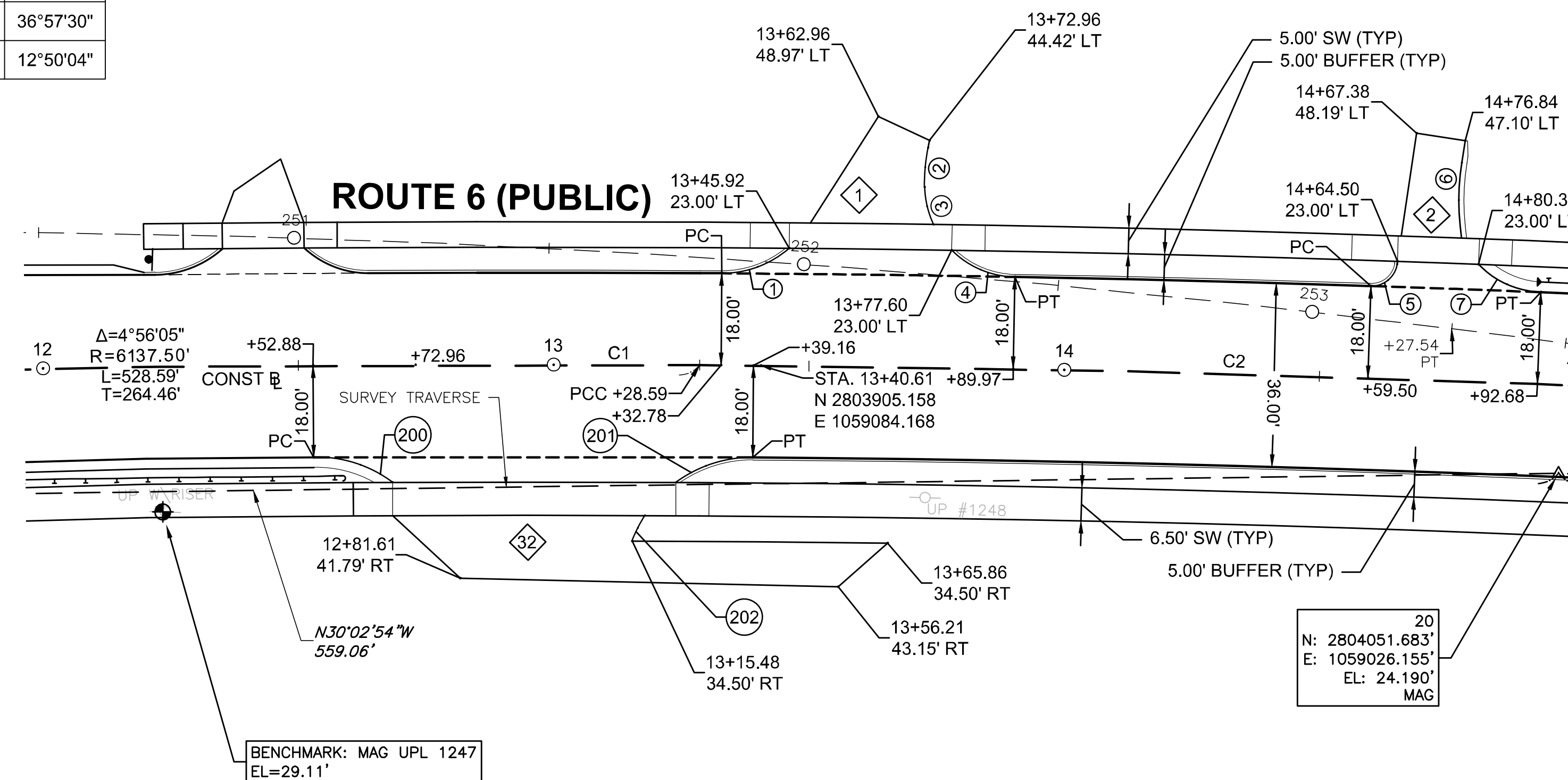


ROUTE 6 CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C1	8+00.00	2803443.8106	1059365.6534	R=6137.50' Δ=4°56'05" L=528.59' T=264.46'		13+28.59	2803894.6325	1059089.9804
C2	13+28.59	2803894.6325	1059089.9804	R=4800.00' Δ=4°52'43" L=408.70' T=204.47'		17+37.29	2804260.1606	1058907.4257

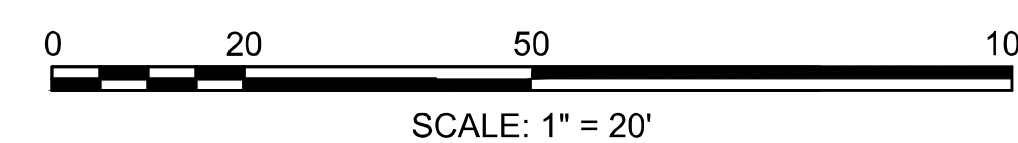
CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	Δ
1	20.00'	14.42'	7.54'	41°18'49"
2	35.00'	7.76'	3.90'	12°42'26"
3	18.00'	7.57'	3.84'	24°04'51"
4	18.00'	13.72'	7.22'	43°41'17"
5	5.00'	7.27'	4.45'	83°21'12"
6	50.00'	14.84'	7.48'	17°00'34"
7	18.00'	13.72'	7.22'	43°41'17"
200	25.00'	16.49'	8.56'	37°47'40"
201	25.00'	16.13'	8.35'	36°57'30"
202	25.00'	5.60'	2.81'	12°50'04"

WAY 68 (PRIVATE -
OWNER UNKNOWN)

CONTINUED ON
SHEET NO. 32



CONTINUED ON
SHEET NO. 34



WELLFLEET
ROUTE 6 / MAIN STREET

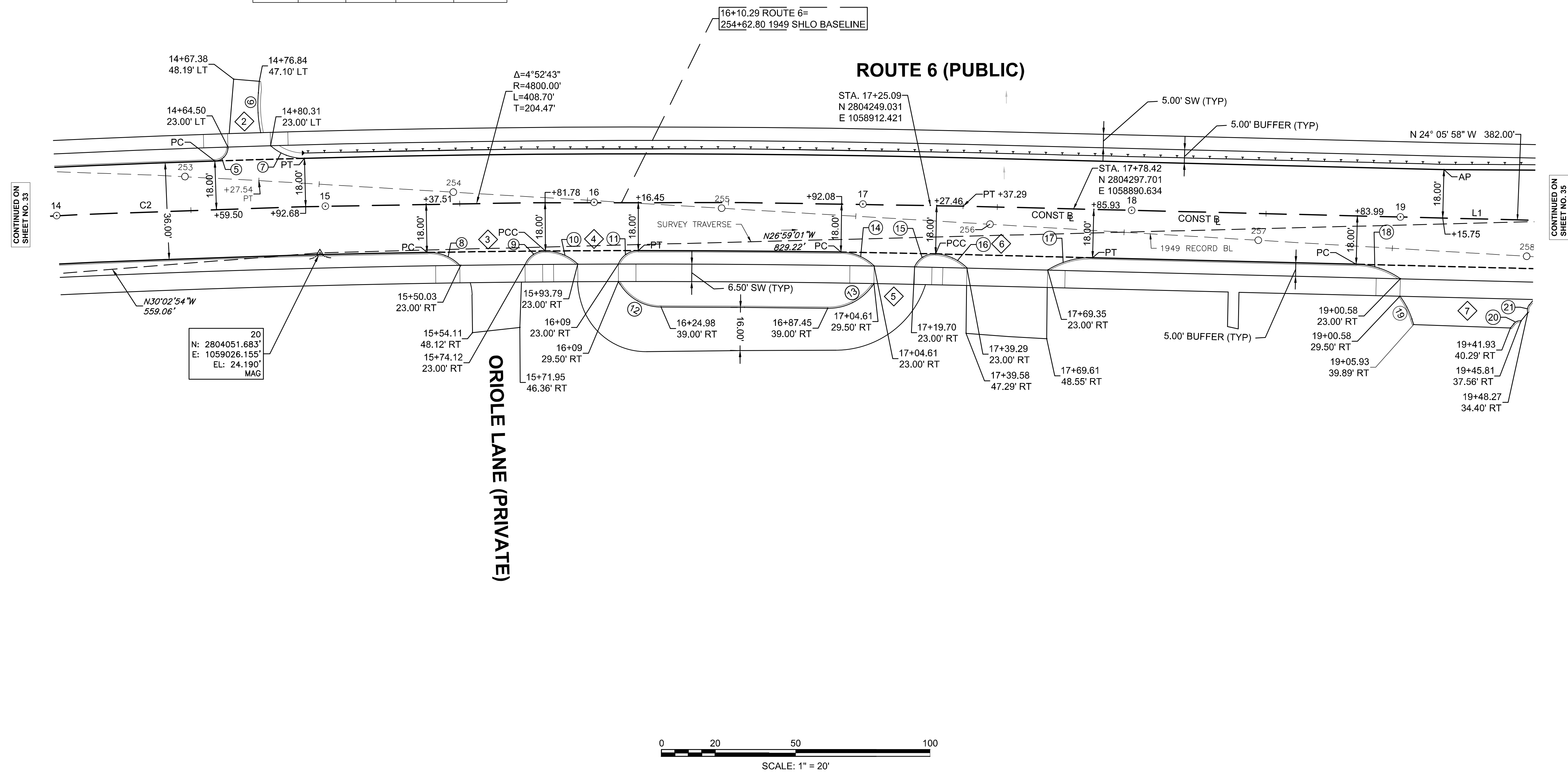
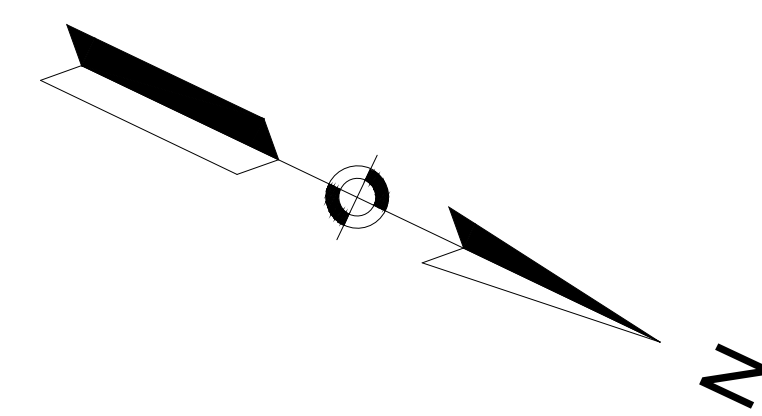
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	34	178
PROJECT FILE NO.		607397	

CURB TIE PLAN
PART 3 OF 11

ROUTE 6 CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C2	13+28.59	2803894.6325	1059089.9804	R=4800.00' Δ=4°52'43" L=408.70' T=204.47'		17+37.29	2804260.1606	1058907.4257
L1	17+37.29	2804260.1606	1058907.4257		N24°05'58"W 382.00'	21+19.29	2804608.8639	1058751.4466

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	Δ
5	5.00'	7.27'	4.45'	83°21'12"
6	50.00'	14.84'	7.48'	17°00'34"
7	18.00'	13.72'	7.22'	43°41'17"
8	18.00'	13.77'	7.24'	43°50'12"
9	8.00'	9.70'	5.55'	69°29'03"
10	18.00'	13.32'	6.98'	42°23'05"
11	8.00'	9.50'	5.40'	68°01'13"
12	18.00'	18.24'	9.99'	58°02'43"
13	20.00'	19.11'	10.36'	54°44'49"

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	Δ
14	18.00'	13.77'	7.24'	43°50'12"
15	8.00'	9.80'	5.62'	70°13'22"
16	18.00'	13.09'	6.85'	41°39'41"
17	30.00'	17.57'	9.05'	33°33'26"
18	30.00'	17.57'	9.05'	33°33'26"
19	30.00'	9.57'	4.83'	18°16'42"
20	3.00'	3.00'	1.64'	57°17'45"
21	3.00'	3.00'	1.64'	57°17'45"



CONTINUED ON
SHEET NO. 33

CONTINUED ON
SHEET NO. 35

WELLFLEET
ROUTE 6 / MAIN STREET

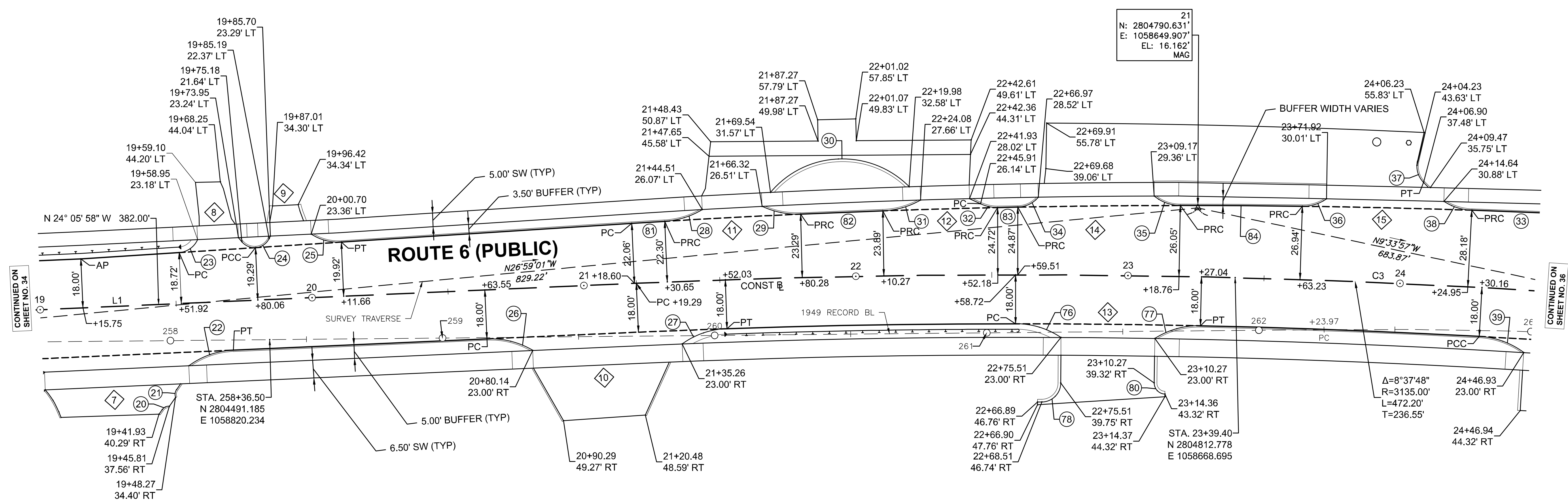
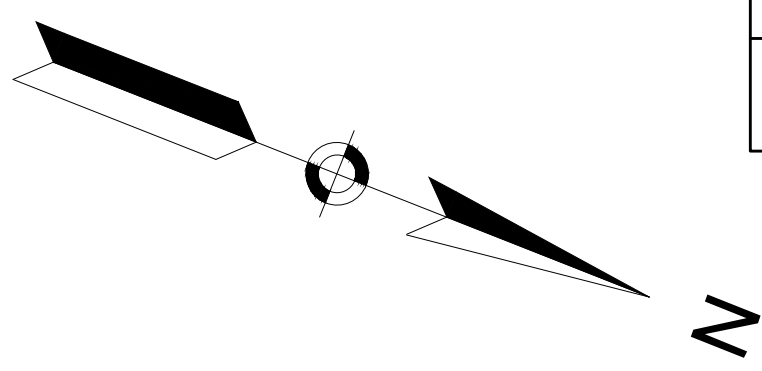
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	35	178
PROJECT FILE NO.		607397	

CURB TIE PLAN
PART 4 OF 11

ROUTE 6 CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L1	17+37.29	2804260.1606	1058907.4257		N24°05'58"W 382.00'	21+19.29	2804608.8639	1058751.4466
C3	21+19.29	2804608.8639	1058751.4466	R=3135.00' Δ=8°37'48" L=472.20' T=236.55'		25+91.49	2805052.7678	1058591.7664

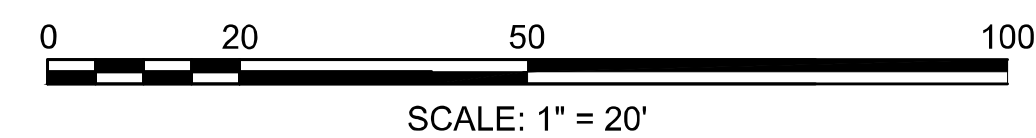
CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	Δ
19	30.00'	9.57'	4.83'	18°16'42"
20	3.00'	3.00'	1.64'	57°17'45"
21	3.00'	3.00'	1.64'	57°17'45"
22	30.00'	17.57'	9.05'	33°33'26"
23	8.00'	8.74'	4.86'	62°35'06"
24	6.00'	11.89'	9.16'	113°33'43"
25	18.00'	11.68'	6.05'	37°10'20"
26	30.00'	17.57'	9.05'	33°33'26"
27	30.00'	17.65'	9.09'	33°42'39"
28	30.00'	14.57'	7.43'	27°49'35"
29	30.00'	14.57'	7.43'	27°49'35"
30	34.50'	57.34'	37.81'	95°14'08"
31	30.00'	14.57'	7.43'	27°49'35"

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	Δ
32	15.00'	6.52'	3.31'	24°53'58"
33	3163.00'	29.40'	14.70'	0°31'57"
34	10.00'	8.62'	4.60'	49°23'23"
35	15.00'	10.43'	5.44'	39°51'27"
36	15.00'	9.44'	4.88'	36°03'57"
37	8.50'	6.91'	3.66'	46°35'08"
38	20.00'	10.88'	5.58'	31°10'45"
39	30.00'	17.65'	9.09'	33°42'39"
81	3163.00'	12.14'	6.07'	0°13'11"
82	3163.00'	30.22'	15.11'	0°32'51"
83	3163.00'	7.40'	3.70'	0°08'02"
84	3163.00'	44.86'	22.43'	0°48'46"



CONTINUED ON
SHEET NO. 34

CONTINUED ON
SHEET NO. 36



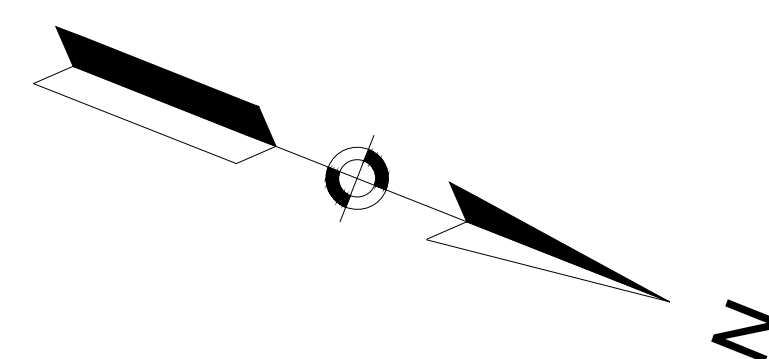
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	36	178
PROJECT FILE NO.		607397	

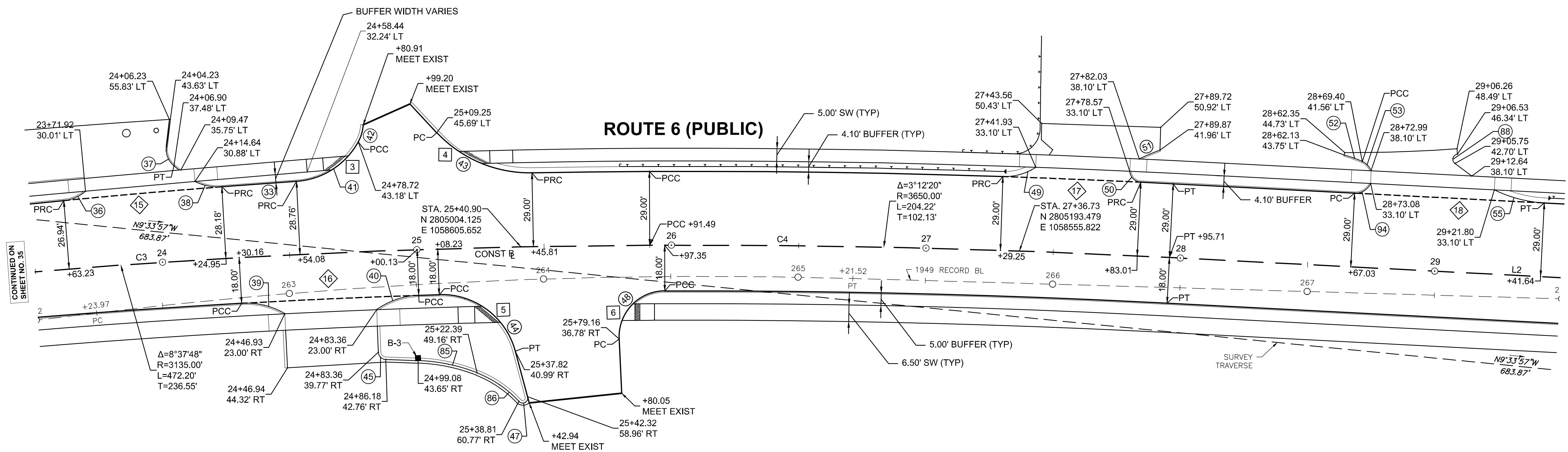
CURB TIE PLAN
PART 5 OF 11

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	Δ
33	3163.00'	29.40'	14.70'	0°31'57"
36	15.00'	9.44'	4.88'	36°03'57"
37	8.50'	6.91'	3.66'	46°35'08"
38	20.00'	10.88'	5.58'	31°10'45"
39	30.00'	17.65'	9.09'	33°42'39"
40	30.00'	17.65'	9.09'	33°42'39"
41	30.00'	30.03'	16.41'	57°21'12"
42	16.00'	7.07'	3.59'	25°19'04"
43	50.00'	41.79'	22.20'	47°53'13"
44	30.00'	40.19'	23.76'	76°45'21"
45	3.00'	4.50'	2.79'	85°51'42"
47	2.00'	5.31'	8.07'	152°09'24"

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	Δ
48	18.00'	29.11'	18.85'	92°38'47"
49	22.00'	13.62'	7.04'	35°28'01"
50	4.50'	6.67'	4.12'	84°55'09"
51	88.00'	8.82'	4.41'	5°44'37"
52	48.50'	7.60'	3.81'	8°58'20"
53	6.50'	5.11'	2.70'	45°04'48"
55	50.00'	20.40'	10.34'	23°22'36"
85	69.00'	23.73'	11.98'	19°42'25"
86	45.00'	20.05'	10.19'	25°31'20"
88	2.00'	4.76'	5.01'	136°29'49"
94	6.50'	7.76'	4.42'	68°22'18"

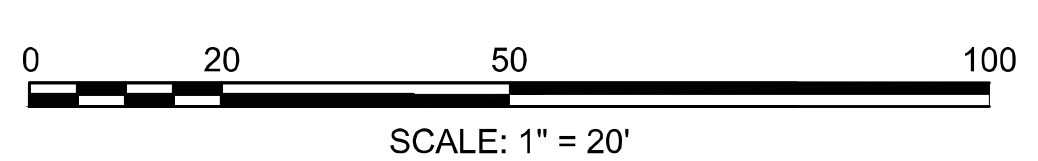


PINE POINT ROAD (PUBLIC)



BOUNDS TABLE					
NAME	TYPE	STATION	OFFSET	NORTHING	EASTING
B-3	RESET	24+99.06	42.703 RT	2804976.6636	1058658.531

ROUTE 6 CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C3	21+19.29	2804608.8639	1058751.4466	R=3135.00' Δ=8°37'48" L=472.20' T=236.55'		25+91.49	2805052.7678	1058591.7664
C4	25+91.49	2805052.7678	1058591.7664	R=3650.00' Δ=3°12'20" L=204.22' T=102.13'		27+95.71	2805251.0064	1058542.8294
L2	27+95.71	2805251.0064	1058542.8294		N12°15'50"W 410.71'	32+06.41	2805652.3398	1058455.5893



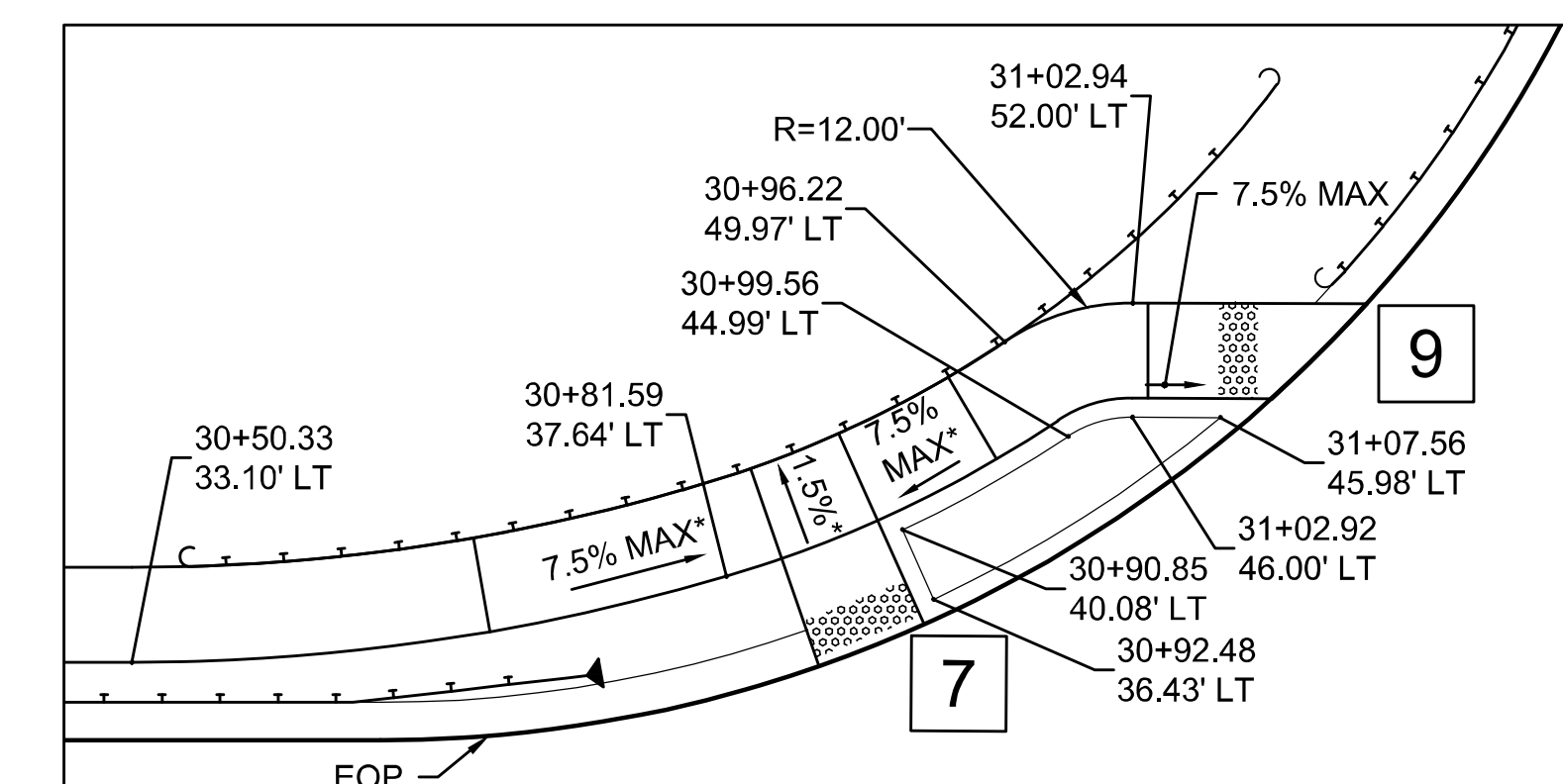
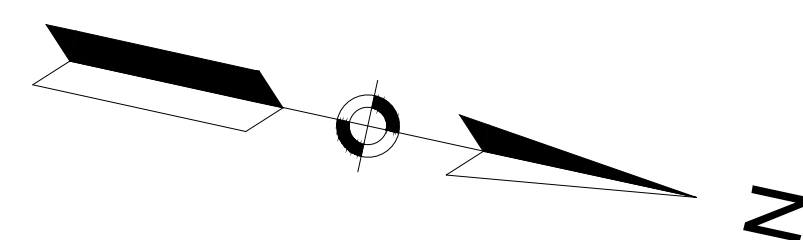
CONTINUED ON SHEET NO. 35

CONTINUED ON SHEET NO. 37

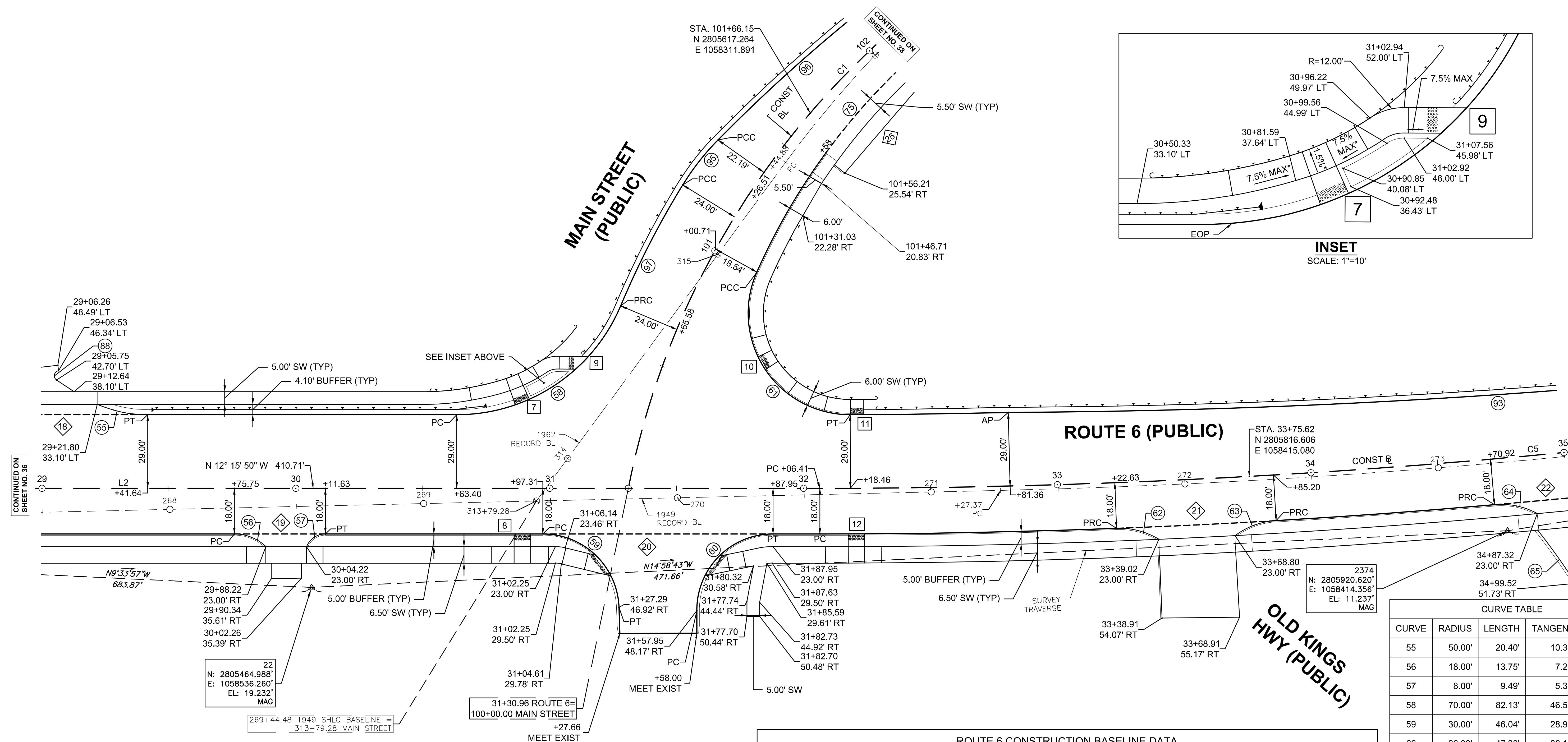
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	37	178
PROJECT FILE NO.		607397	

CURB TIE PLAN
PART 6 OF 11



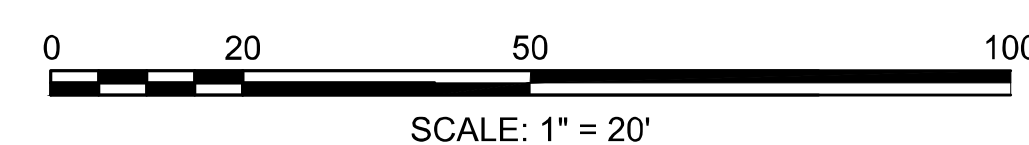
INSET
SCALE: 1"=10'



CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	Δ
55	50.00'	20.40'	10.34'	23°22'36"
56	18.00'	13.75'	7.23'	43°45'41"
57	8.00'	9.49'	5.39'	67°58'32"
58	70.00'	82.13'	46.53'	67°13'33"
59	30.00'	46.04'	28.93'	87°55'46"
60	30.00'	47.30'	30.17'	90°19'52"
61	40.00'	79.67'	61.73'	114°06'49"
62	30.00'	17.49'	9.00'	33°24'13"
63	30.00'	17.49'	9.00'	33°24'13"
64	30.00'	17.49'	9.00'	33°24'13"
65	250.00'	25.67'	12.85'	5°53'02"
75	253.00'	123.25'	62.87'	27°54'39"
93	3026.00'	547.03'	274.26'	10°21'28"
95	100.00'	22.59'	11.34'	12°56'28"
96	654.00'	94.78'	47.48'	8°18'14"
97	348.00'	53.62'	26.86'	8°49'41"

ROUTE 6 CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L2	27+95.71	2805251.0064	1058542.8294		N12°15'50"W 410.71'	32+06.41	2805652.3398	1058455.5893
C5	32+06.41	2805652.3398	1058455.5893	R=3050.00' Δ=13°51'35" L=737.79' T=370.70'		39+44.20	2806347.4203	1058213.6211

MAIN STREET CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C1	100+00.00	2805578.6093	1058471.6165	R=324.00' Δ=40°37'14" L=229.70' T=119.92'		102+29.70	2805652.6676	1058259.2349



CONTINUED ON
SHEET NO. 36

CONTINUED ON
SHEET NO. 39

WELLFLEET
ROUTE 6 / MAIN STREET

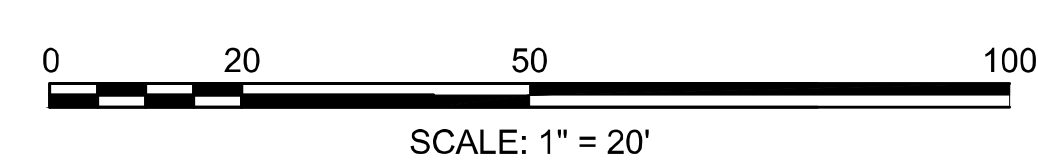
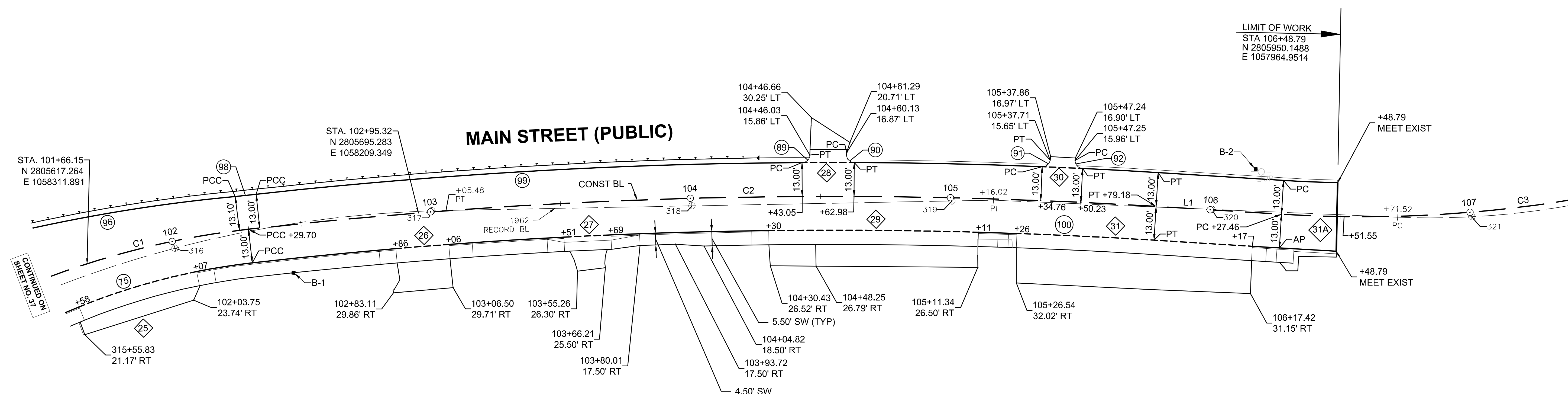
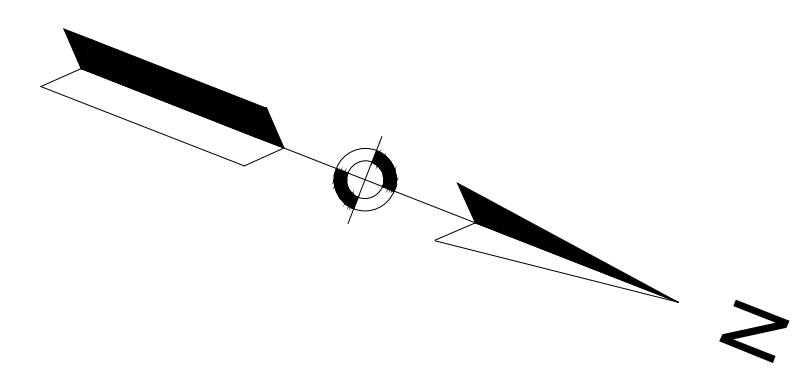
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	38	178
PROJECT FILE NO.		607397	

CURB TIE PLAN
PART 7 OF 11

MAIN STREET CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C1	100+00.00	2805578.6093	1058471.6165	R= 324.00' Δ= 40°37'14" L=229.70' T=119.92'		102+29.70	2805652.6676	1058259.2349
C2	102+29.70	2805652.6676	1058259.2349	R= 2000.00' Δ= 10°00'42" L=349.47' T=175.18'		105+79.18	2805897.4782	1058010.4614
L1	105+79.18	2805897.4782	1058010.4614		N40°27'15"W 48.28'	106+27.46	2805934.2194	1057979.1322
C3	106+27.46	2805934.2194	1057979.1322	R= 500.00' Δ= 21°23'39" L=186.70' T=94.45'		108+14.16	2806050.6503	1057834.5733

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	Δ
75	253.00'	123.25'	62.87'	27°54'39"
89	3.00'	4.57'	2.86'	87°20'18"
90	3.00'	5.59'	4.04'	106°50'22"
91	3.00'	4.36'	2.67'	83°20'42"
92	3.00'	4.67'	2.96'	89°14'13"
96	654.00'	94.78'	47.48'	8°18'14"
98	500.00'	8.07'	4.03'	0°55'27"
99	2013.00'	347.36'	174.11'	9°53'13"
100	1987.00'	347.20'	174.04'	10°00'42"

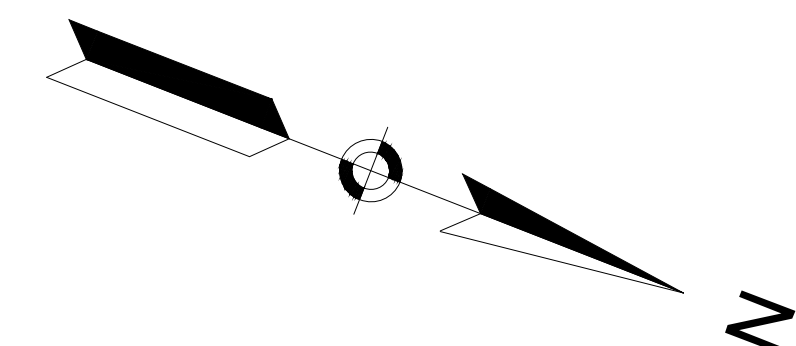
BOUNDS TABLE					
NAME	TYPE	STATION	OFFSET	NORTHING	EASTING
B-1	PROP	102+45.13	18.500 RT	2805676.7083	1058259.2627
B-2	RESET	106+16.49	-16.729 LT	2805915.0160	1057973.5220



WELLFLEET
ROUTE 6 / MAIN STREET

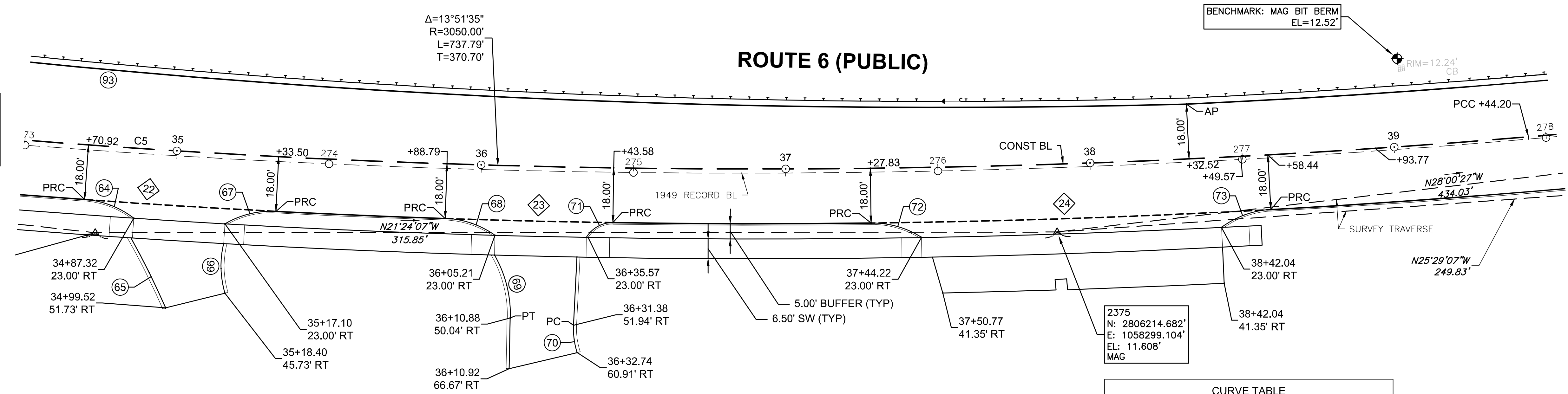
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	39	178
PROJECT FILE NO.		607397	

CURB TIE PLAN
PART 8 OF 11



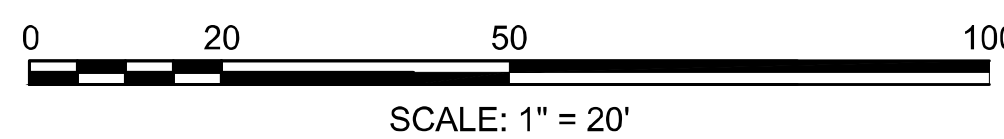
CONTINUED ON SHEET NO. 37

CONTINUED ON SHEET NO. 40



CURVE	RADIUS	LENGTH	TANGENT	Δ
64	30.00'	17.49'	9.00'	33°24'13"
65	250.00'	25.67'	12.85'	5°53'02"
66	31.00'	16.48'	8.44'	30°27'20"
67	30.00'	17.49'	9.00'	33°24'13"
68	30.00'	17.49'	9.00'	33°24'13"
69	40.00'	21.59'	11.07'	30°55'51"
70	25.00'	9.13'	4.62'	20°55'09"
71	10.00'	10.46'	5.76'	59°55'10"
72	30.00'	17.49'	9.00'	33°24'13"
73	30.00'	17.49'	9.00'	33°24'13"
93	3026.00'	547.03'	274.26'	10°21'28"

NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C5	32+06.41	2805652.3398	1058455.5893	R=3050.00' Δ=13°51'35" L=737.79' T=370.70'		39+44.20	2806347.4203	1058213.6211



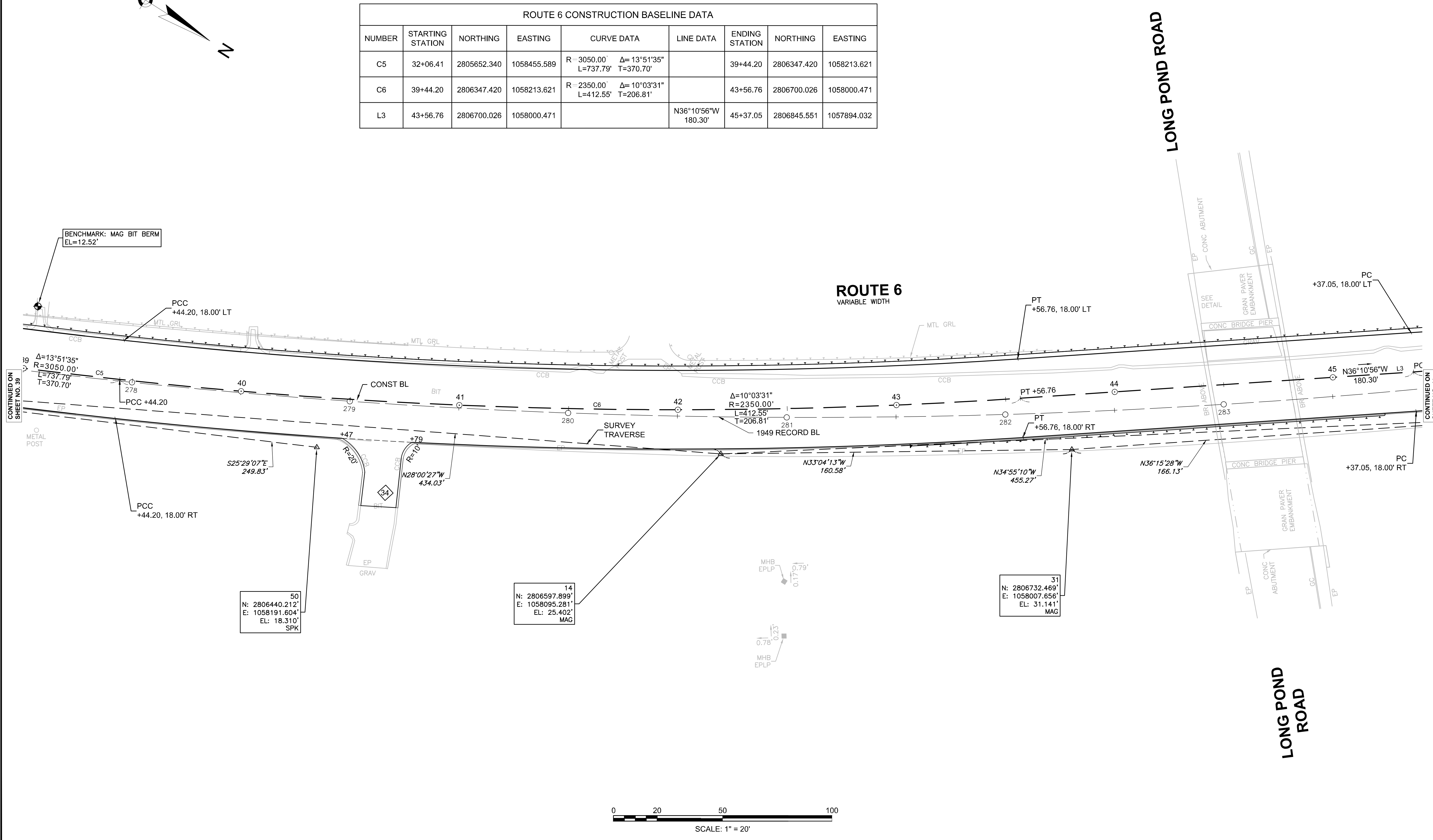
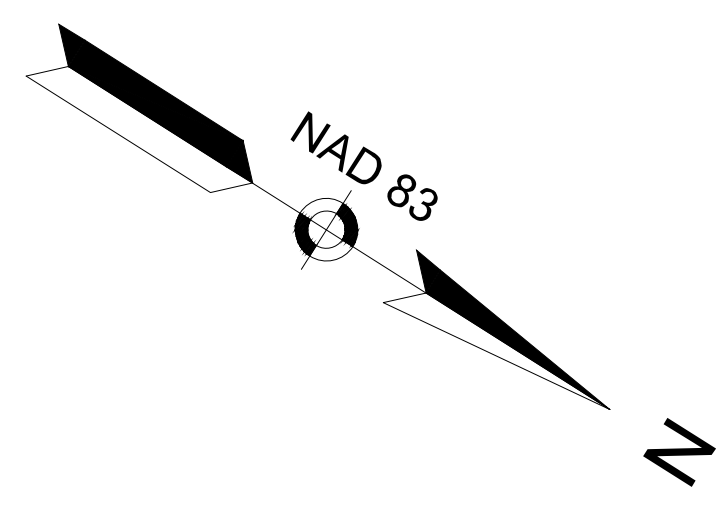
- NOTES:
1. TRAVERSE TIE IS TO THE MIDPOINT OF THE CB GRATE (OR MANHOLE COVER) ON THE NEAREST SIDE.

WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	40	178
PROJECT FILE NO.		607397	

CURB TIE PLANS
PART 9 OF 11

ROUTE 6 CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C5	32+06.41	2805652.340	1058455.589	R=3050.00' Δ=13°51'35" L=737.79' T=370.70'		39+44.20	2806347.420	1058213.621
C6	39+44.20	2806347.420	1058213.621	R=2350.00' Δ=10°03'31" L=412.55' T=206.81'		43+56.76	2806700.026	1058000.471
L3	43+56.76	2806700.026	1058000.471		N36°10'56"W 180.30'	45+37.05	2806845.551	1057894.032

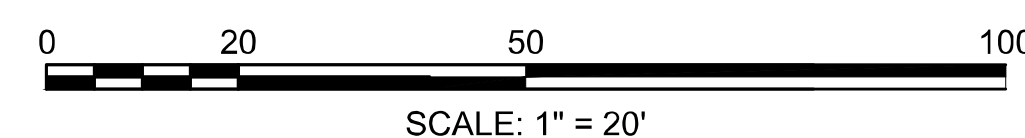
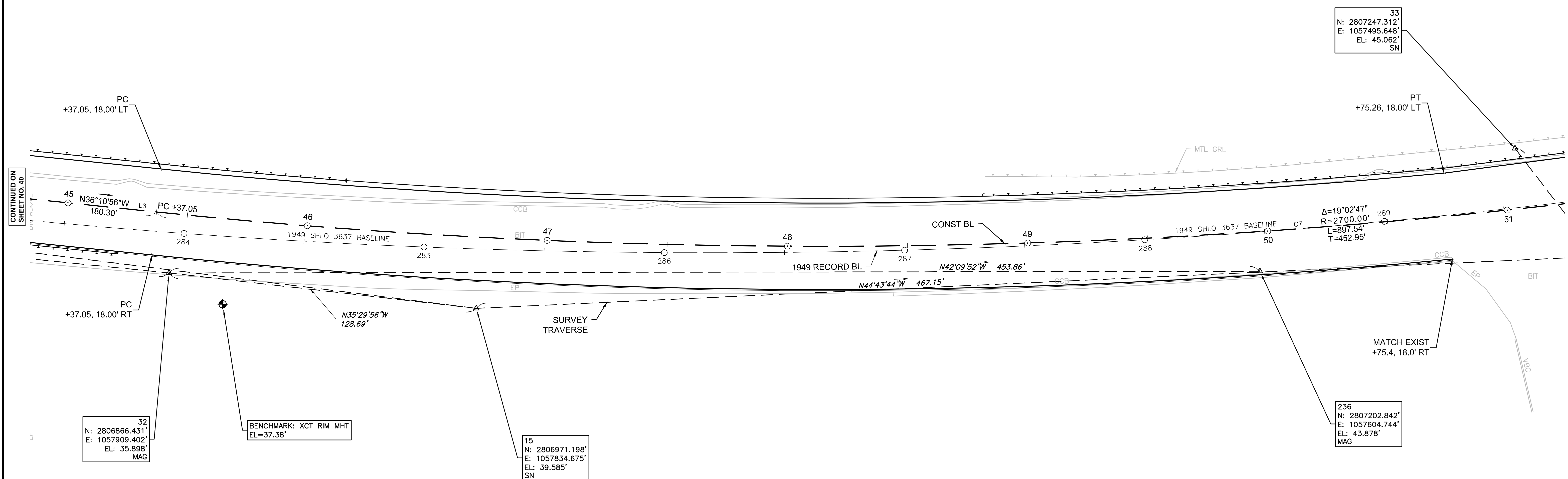
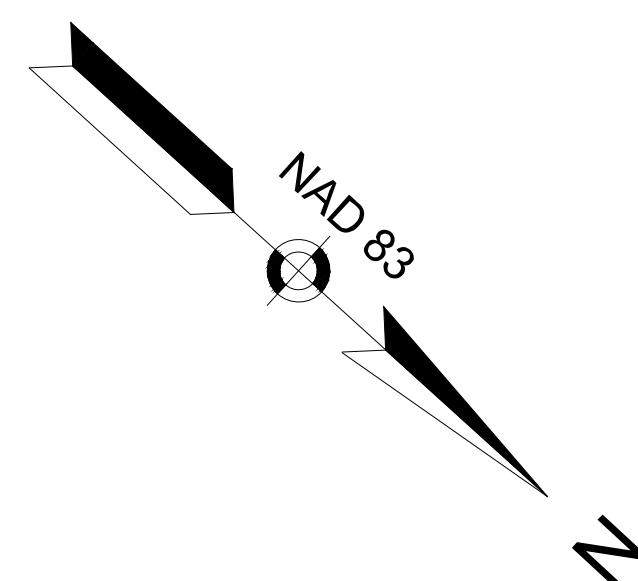


WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	41	178
PROJECT FILE NO.		607397	

CURB TIE PLANS
PART 10 OF 11

ROUTE 6 CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L3	43+56.76	2806700.026	1058000.471		N36°10'56"W 180.30'	45+37.05	2806845.551	1057894.032
C7	45+37.05	2806845.551	1057894.032	R=2700.00' L=897.54' Δ=19°02'47" T=452.95'		54+34.59	2807469.464	1057254.564

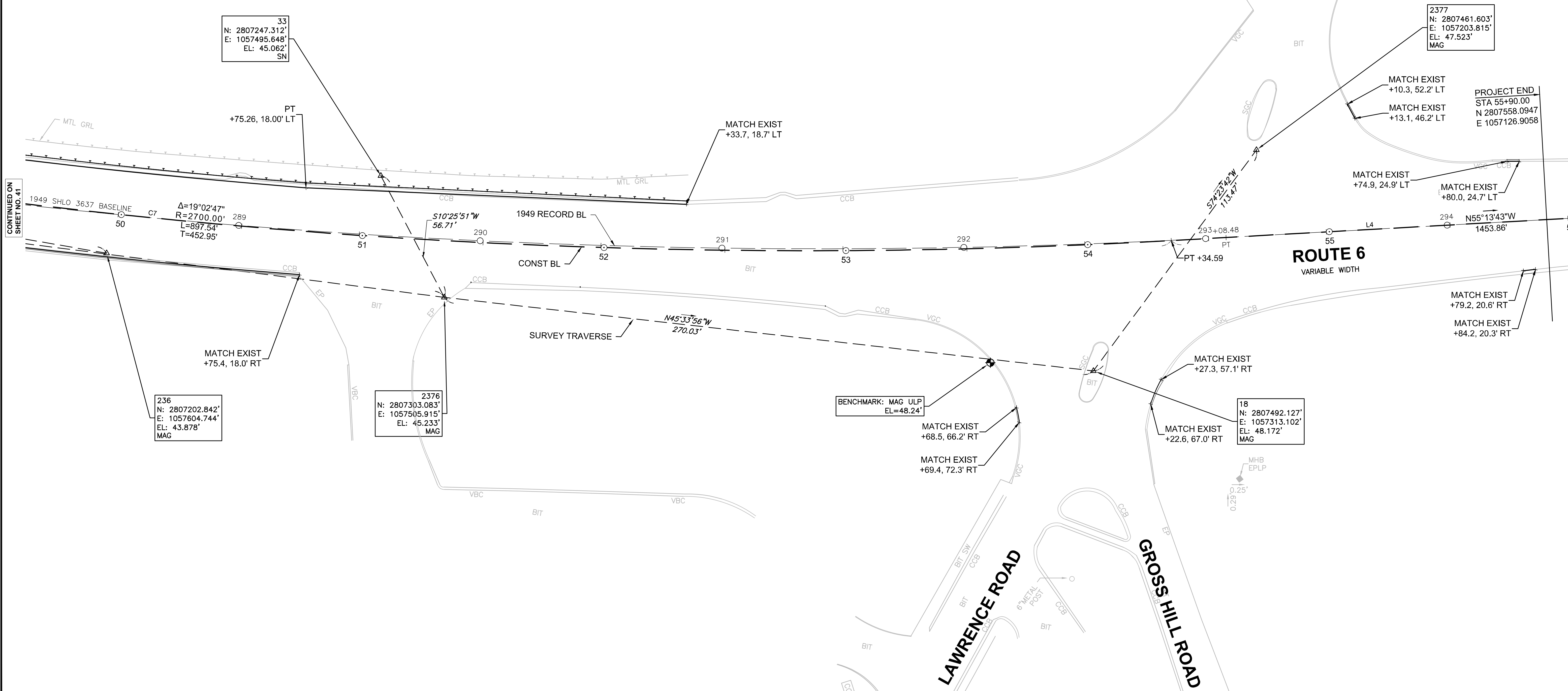
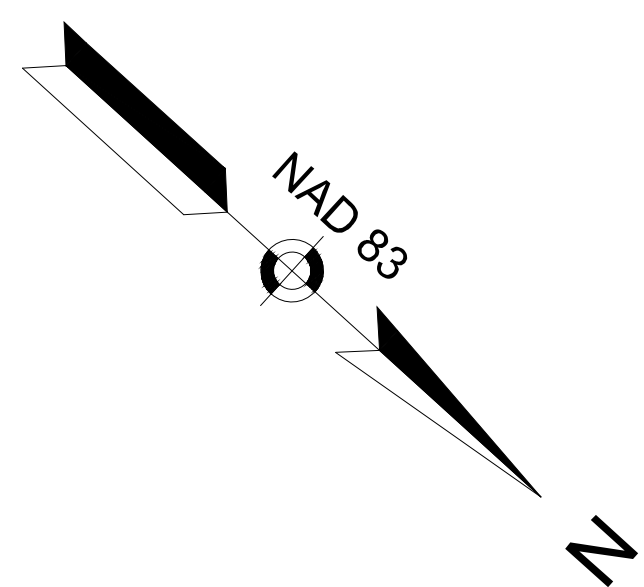


WELLFLEET
ROUTE 6 / MAIN STREET

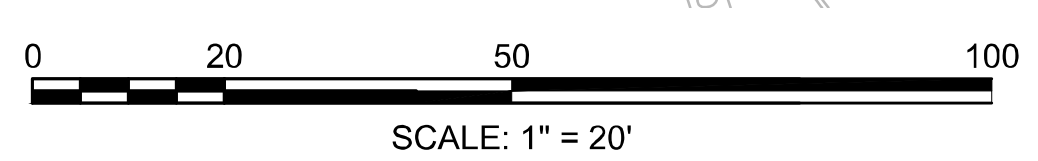
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	42	178
PROJECT FILE NO.		607397	

CURB TIE PLANS
PART 11 OF 11

ROUTE 6 CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C7	45+37.05	2806845.551	1057894.032	R=2700.00' Δ=19°02'47" L=897.54' T=452.95'		54+34.59	2807469.464	1057254.564
L4	54+34.59	2807469.464	1057254.564		N55°13'43"W 1453.86'	68+88.45	2808298.605	1056060.316



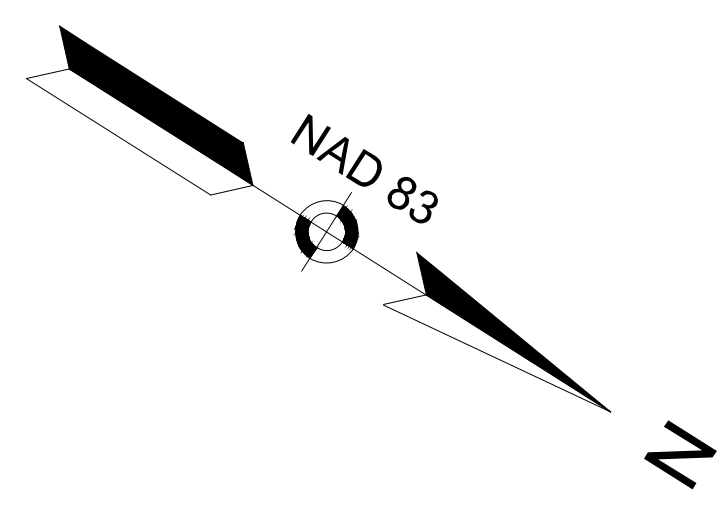
CONTINUED ON
SHEET NO. 41



WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	43	178
PROJECT FILE NO.		607397	

GRADING PLANS
PART 1 OF 11

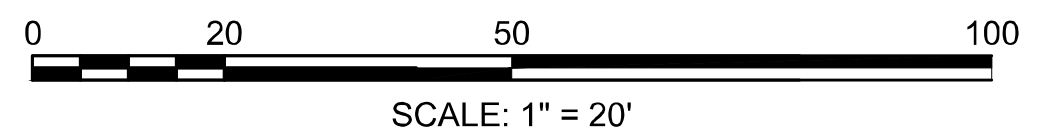
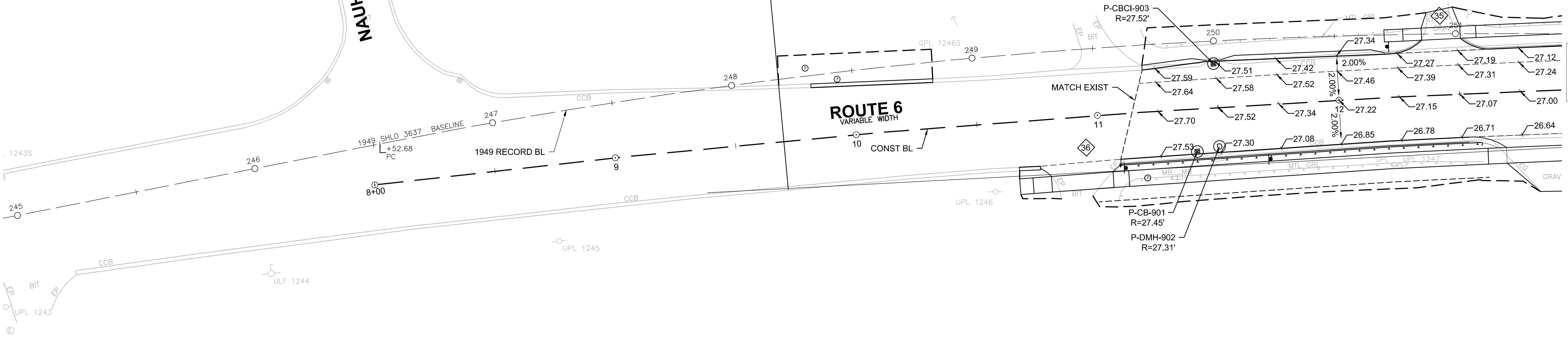


NAUHAUGHT BLUFF ROAD
PUBLIC - 25' WIDE

MARVEN WAY
PRIVATE - VARIABLE WIDTH

PROJECT BEGIN
STA 9+70.00
N 2803586.1872
E 1059272.7715

ROUTE 6
VARIABLE WIDTH

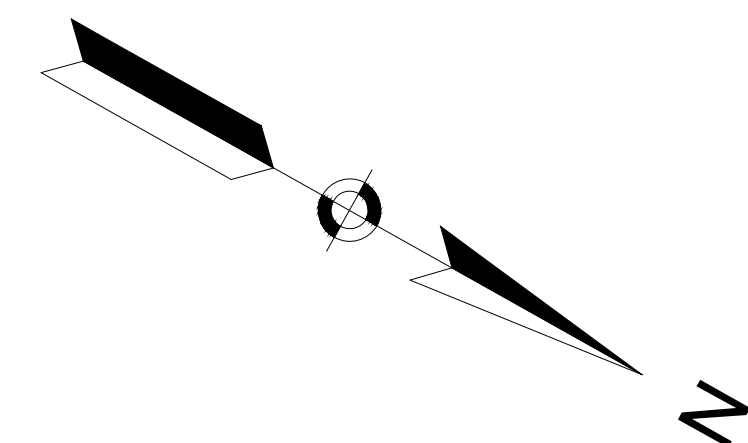


CONTINUED ON
SHEET NO. 44

WELLFLEET
ROUTE 6 / MAIN STREET

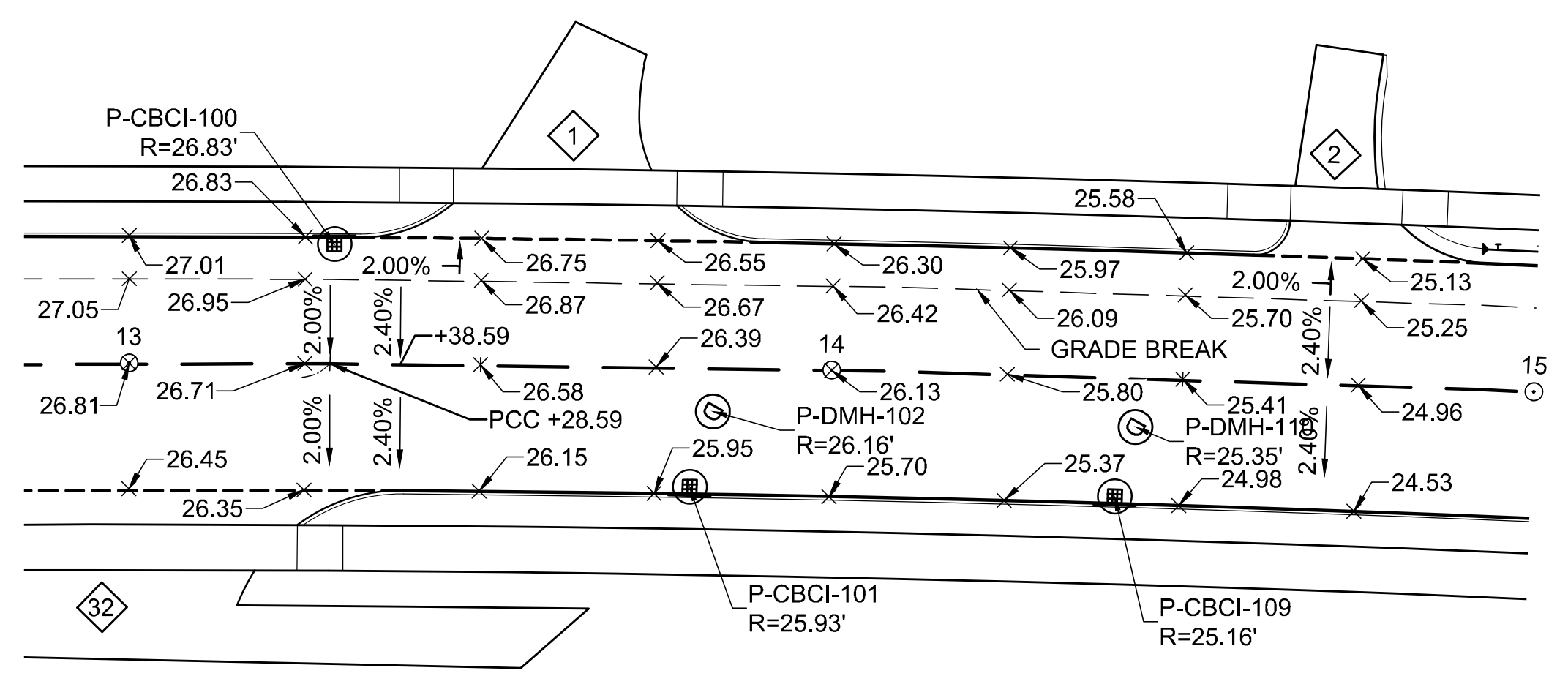
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MA	CMQ/HSI/STP/TAP-0035(052)X	44	178
PROJECT FILE NO.		607397	

GRADING PLAN
PART 2 OF 11



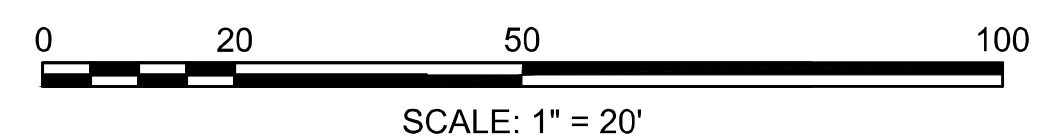
WAY 68 (PRIVATE -
OWNER UNKNOWN)

CONTINUED ON
SHEET NO. 43



CONTINUED ON
SHEET NO. 45

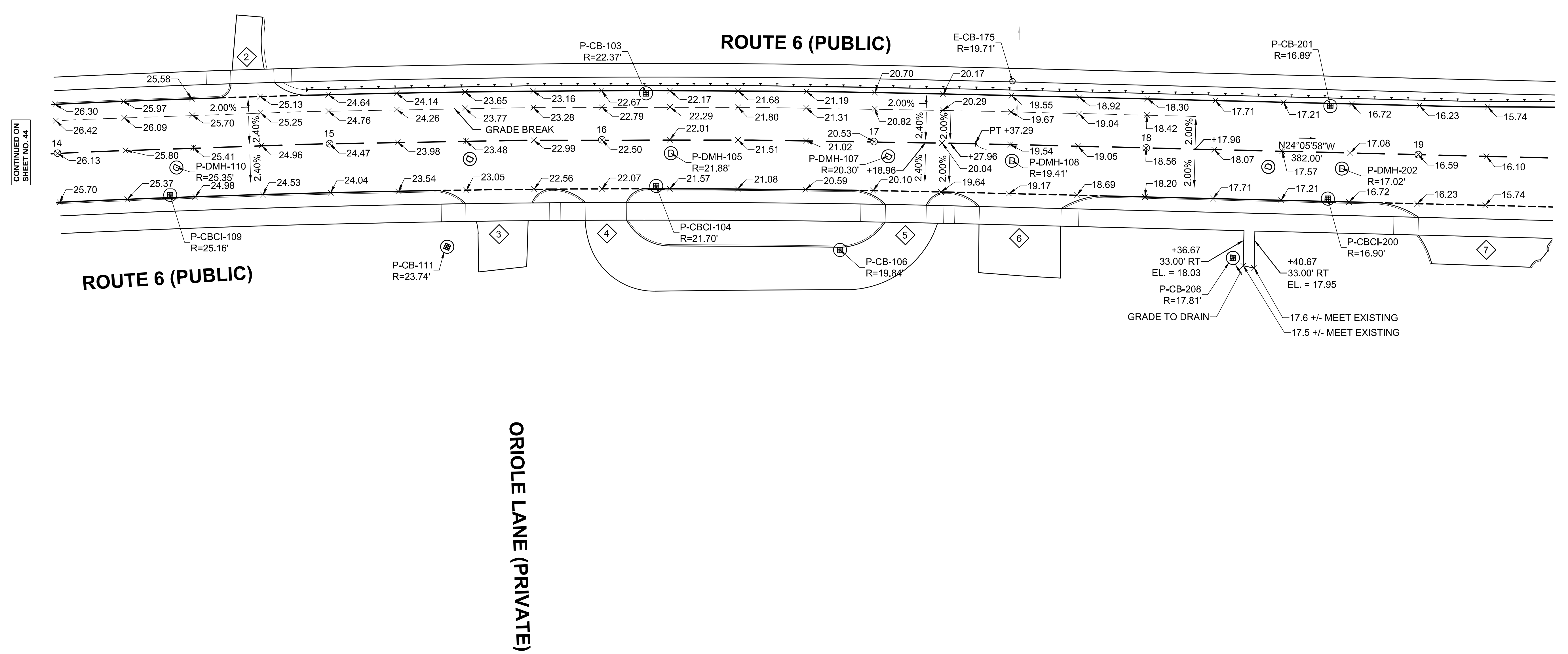
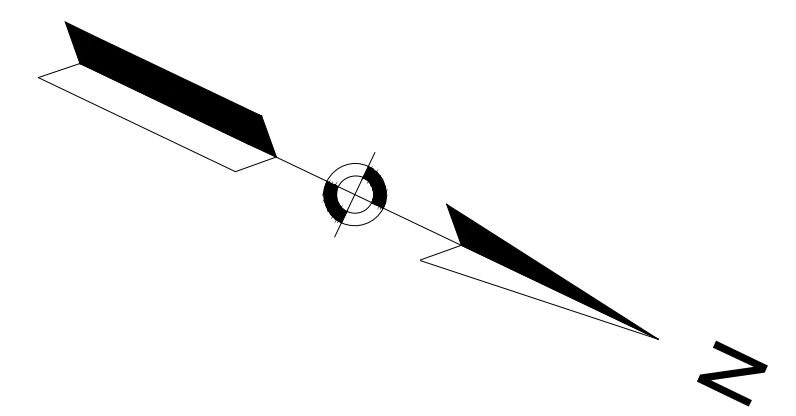
ROUTE 6 (PUBLIC)



WELLFLEET
ROUTE 6 / MAIN STREET

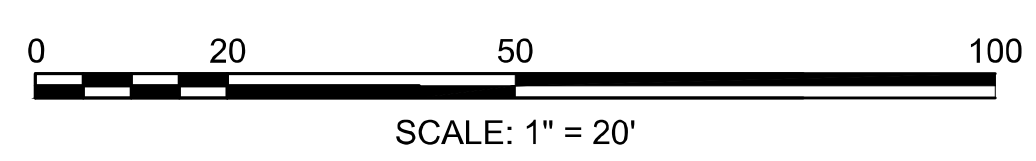
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	45	178
PROJECT FILE NO.		607397	

GRADING PLAN
PART 3 OF 11



CONTINUED ON
SHEET NO. 44

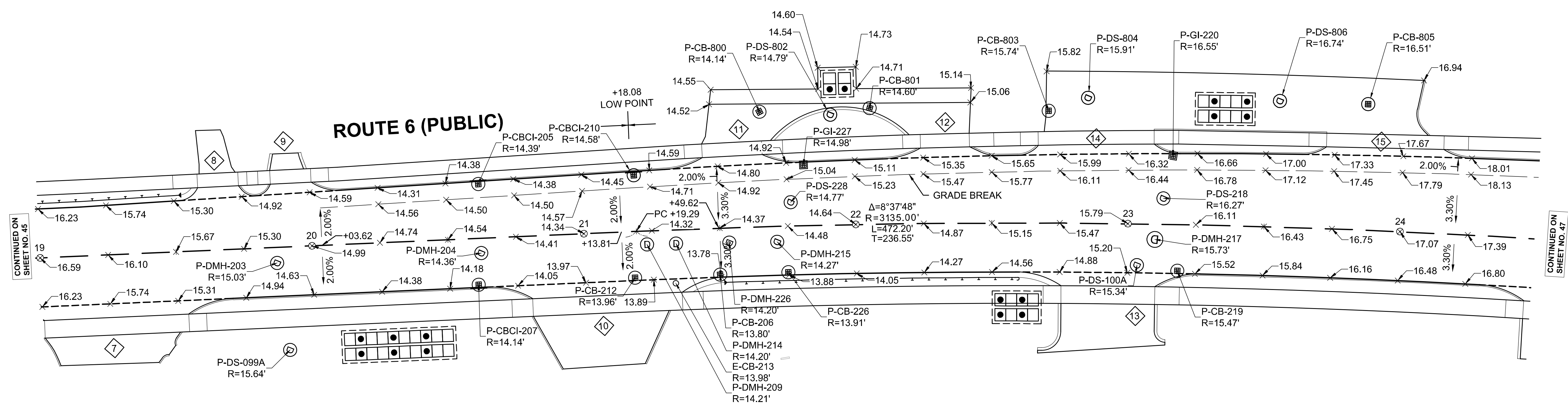
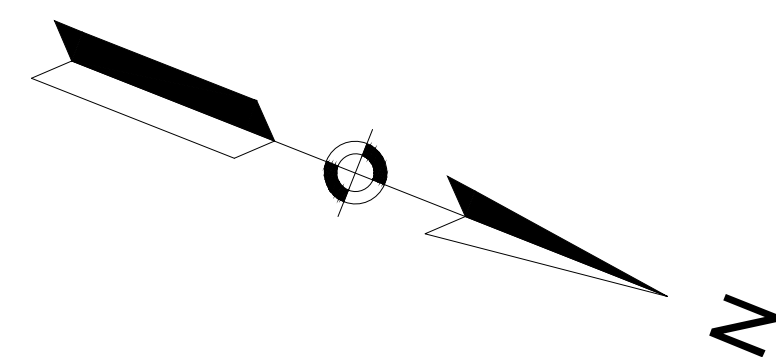
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SHEET NO. 46



WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	46	178
PROJECT FILE NO.		607397	

GRADING PLAN
PART 4 OF 11



CONTINUED ON
SHEET NO. 45

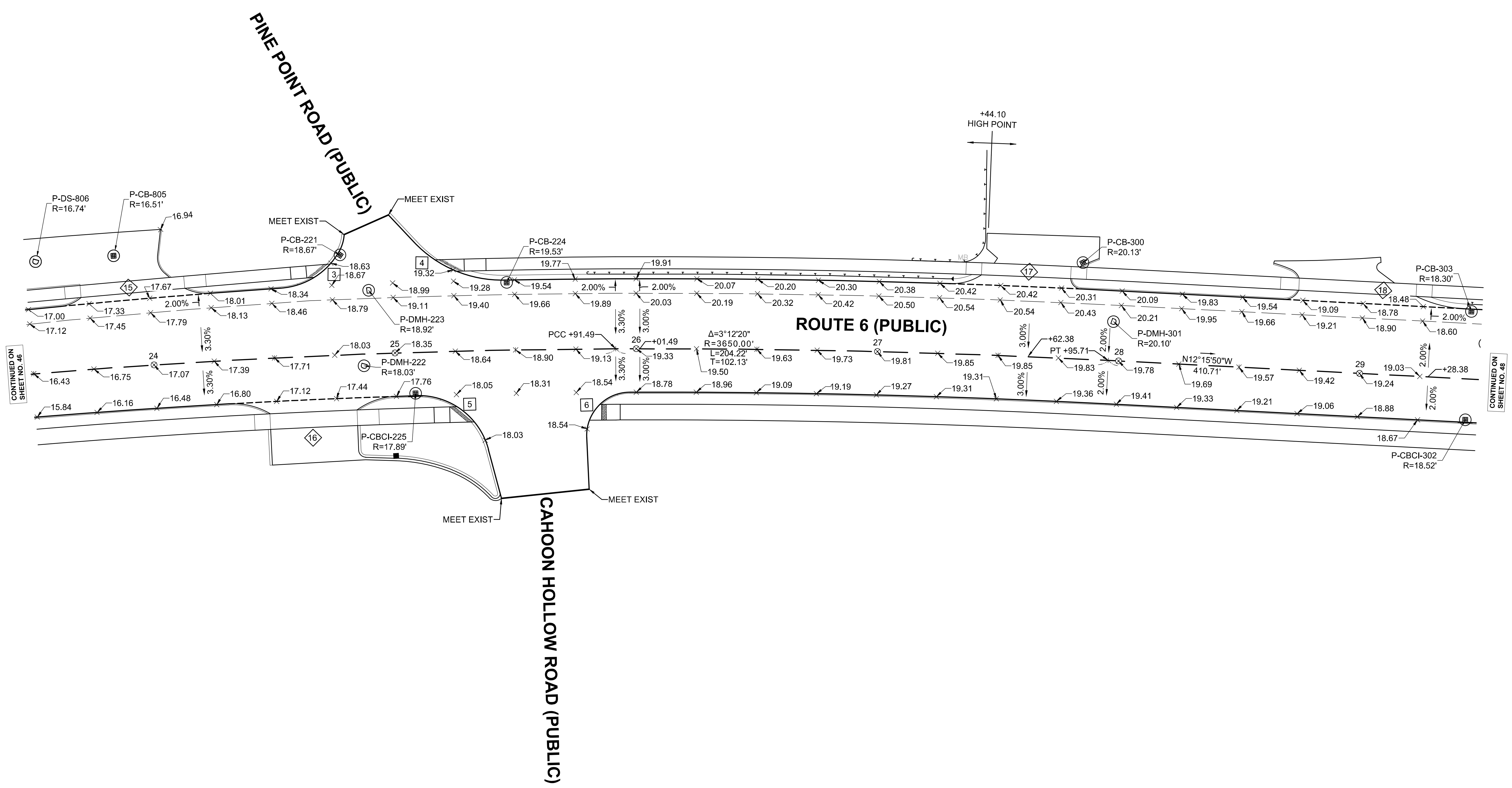
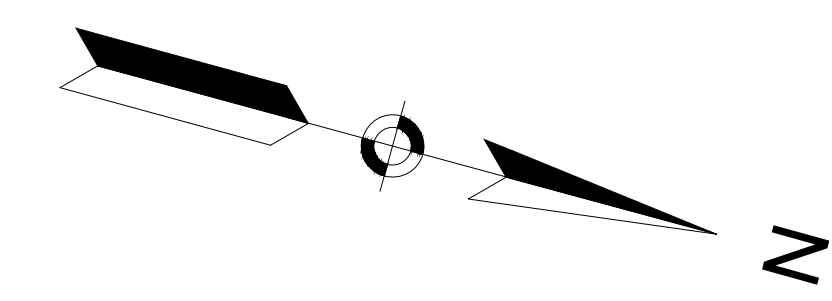
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WELLFLEET
ROUTE 6 / MAIN STREET

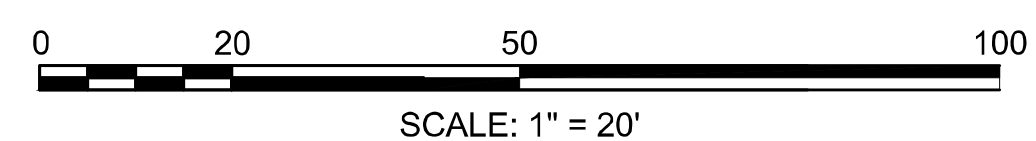
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	47	178
PROJECT FILE NO.		607397	

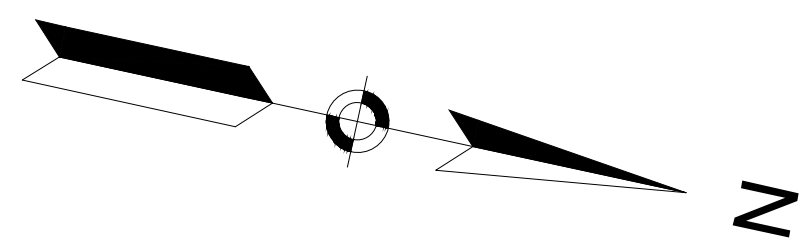
GRADING PLAN
PART 5 OF 11



CONTINUED ON SHEET NO. 46

CONTINUED ON SHEET NO. 48

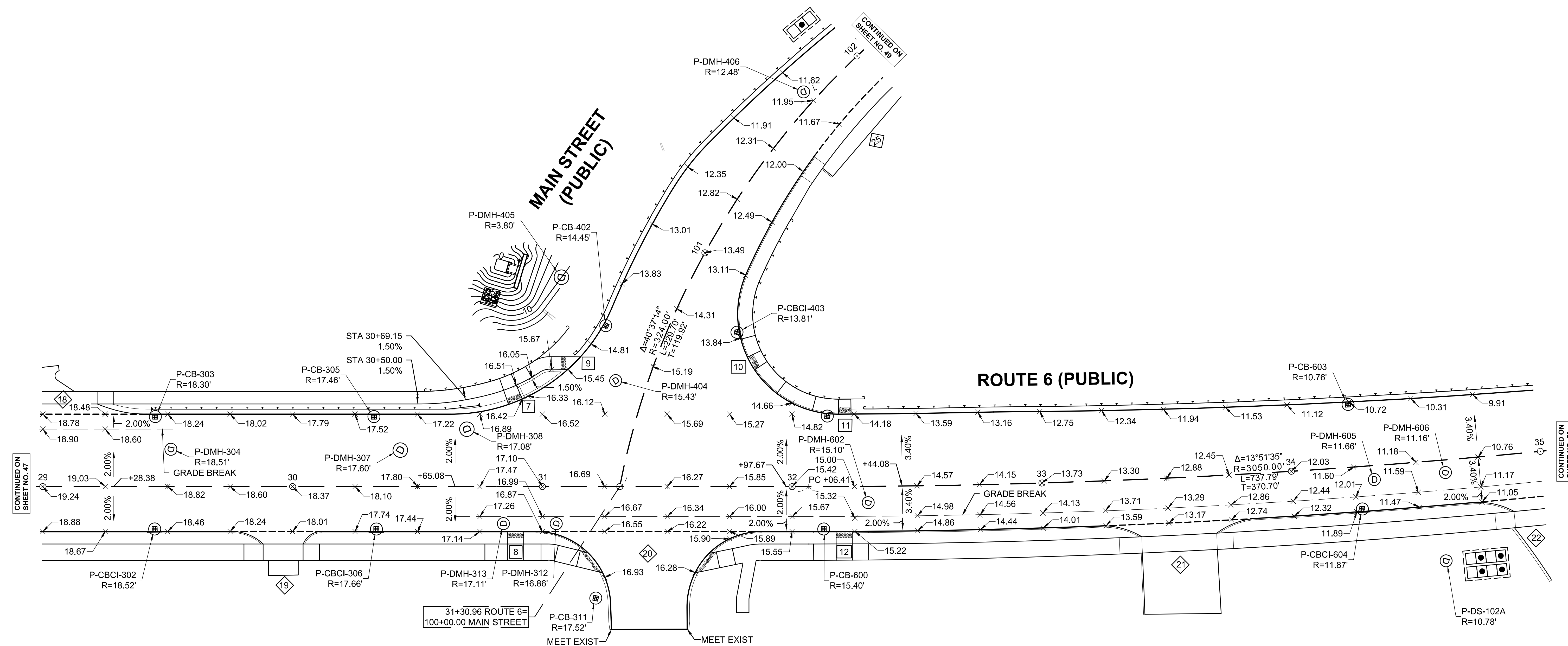




WELLFLEET
ROUTE 6 / MAIN STREET

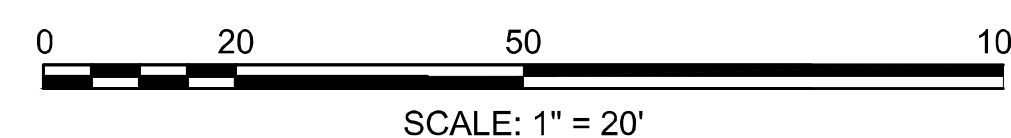
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	48	178
PROJECT FILE NO.		607397	

GRADING PLAN
PART 6 OF 11



CONTINUED ON
SHEET NO. 47

CONTINUED ON
SHEET NO. 50

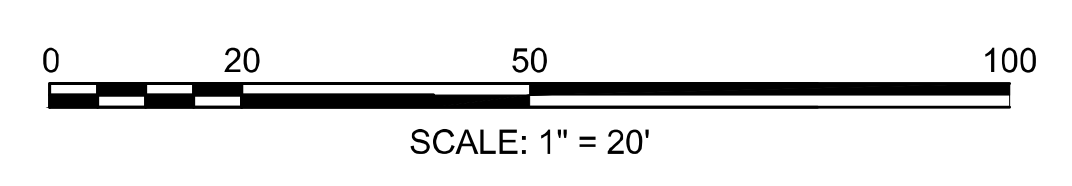
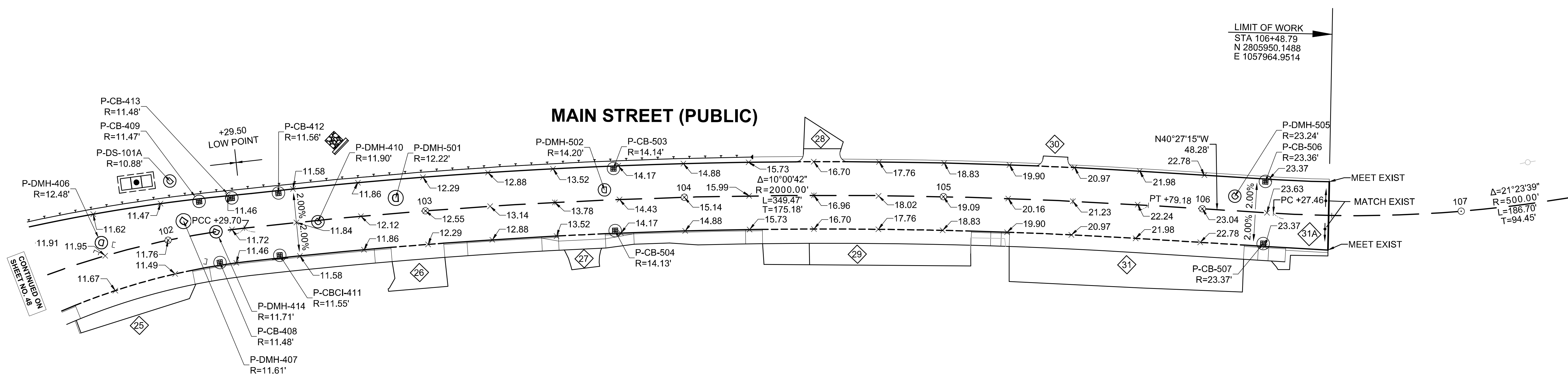
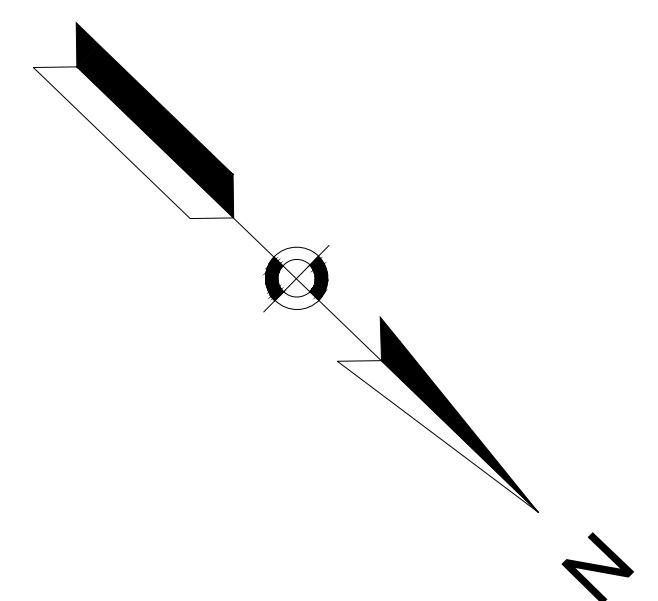


WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	49	178
PROJECT FILE NO.		607397	

GRADING PLAN
PART 7 OF 11

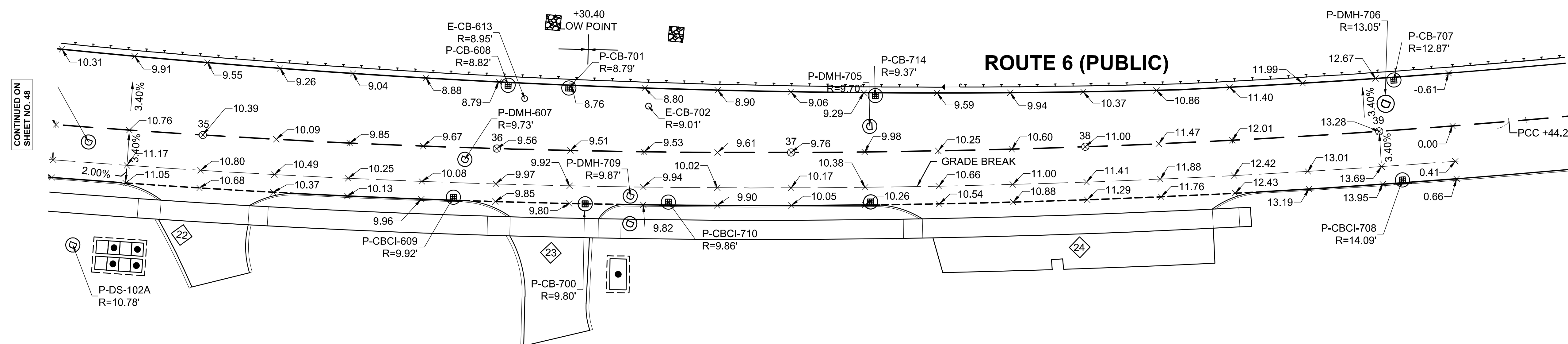
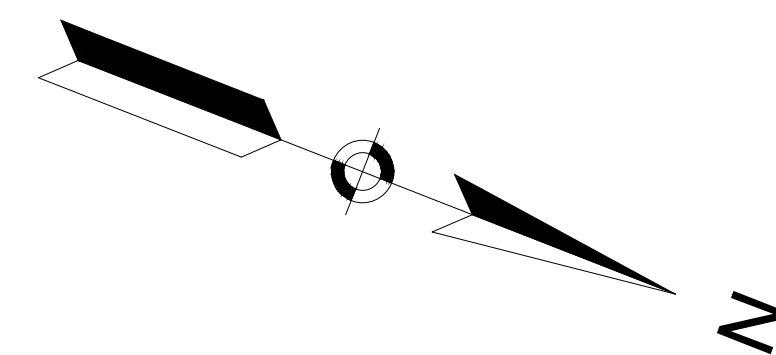
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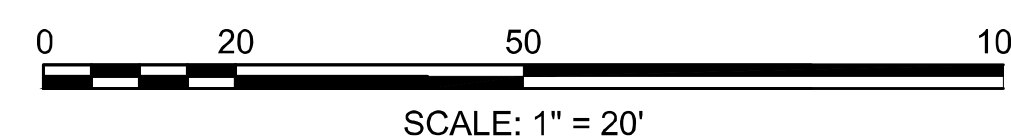
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	50	178
PROJECT FILE NO.		607397	

GRADING PLAN
PART 8 OF 11



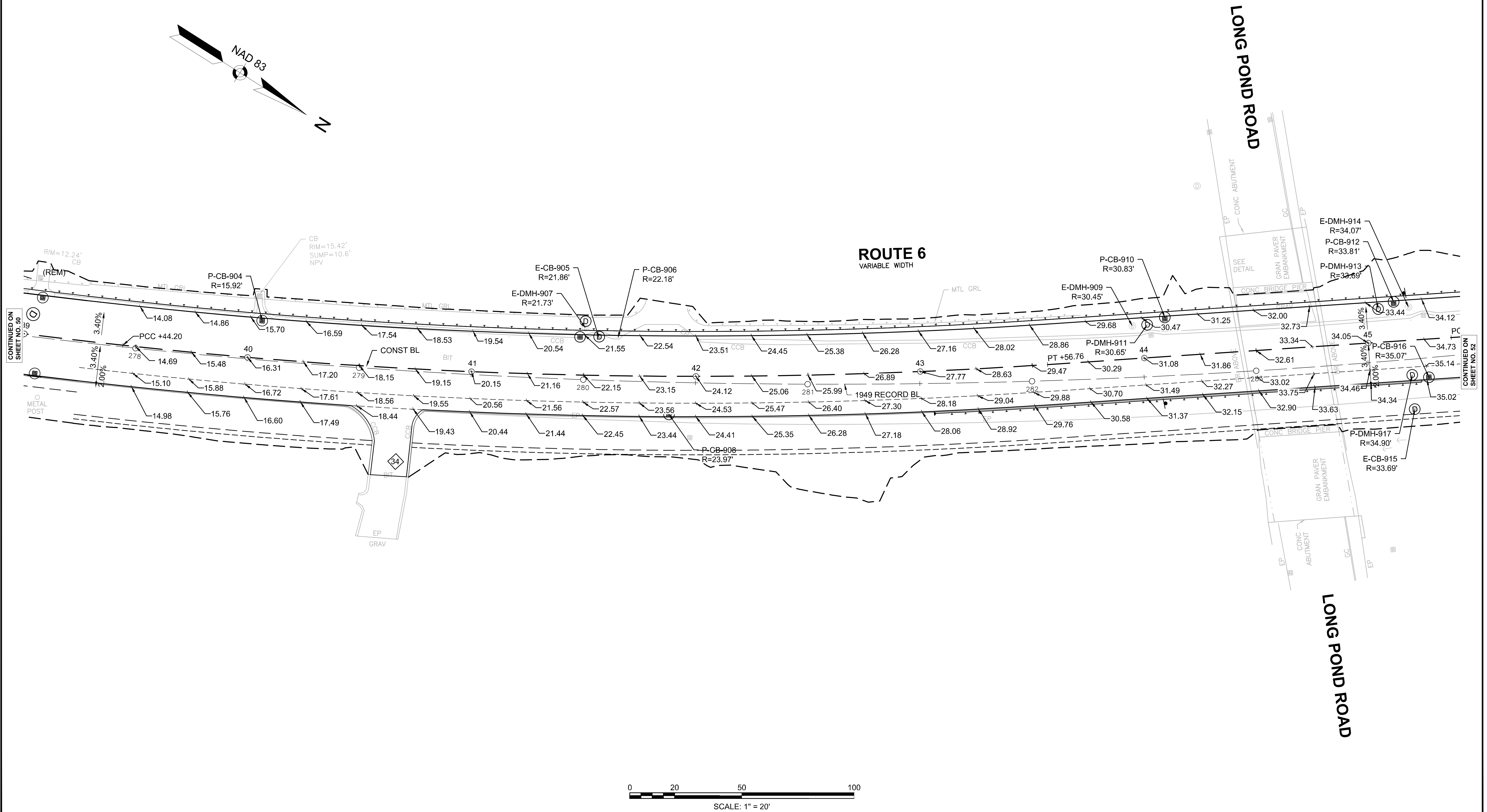
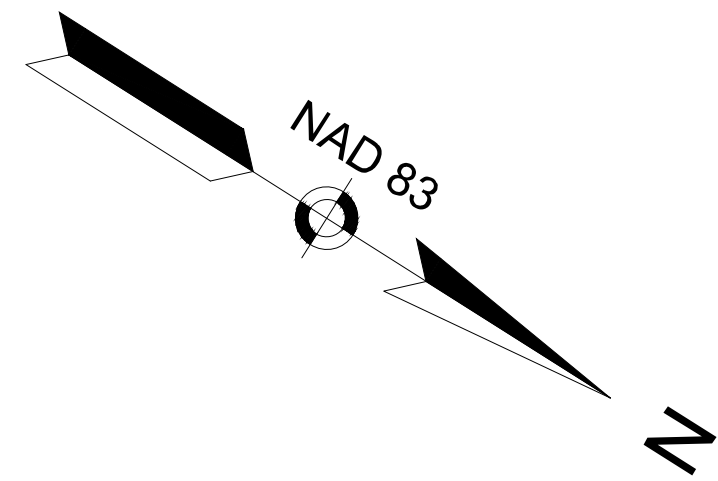
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SHEET NO. 51



WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	51	178
PROJECT FILE NO.		607397	

GRADING PLANS
PART 9 OF 11



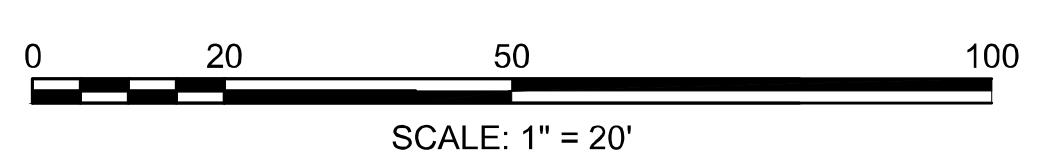
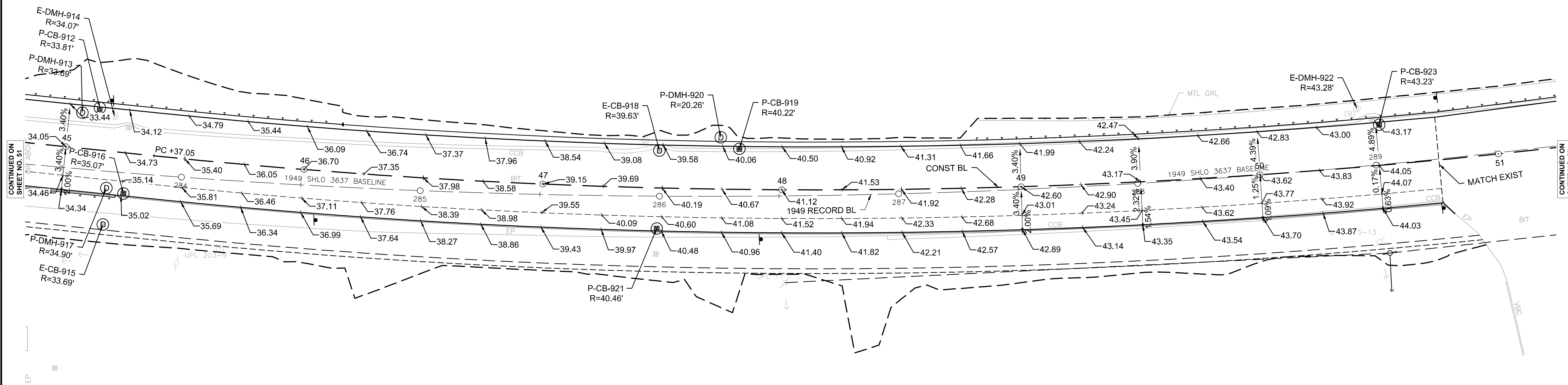
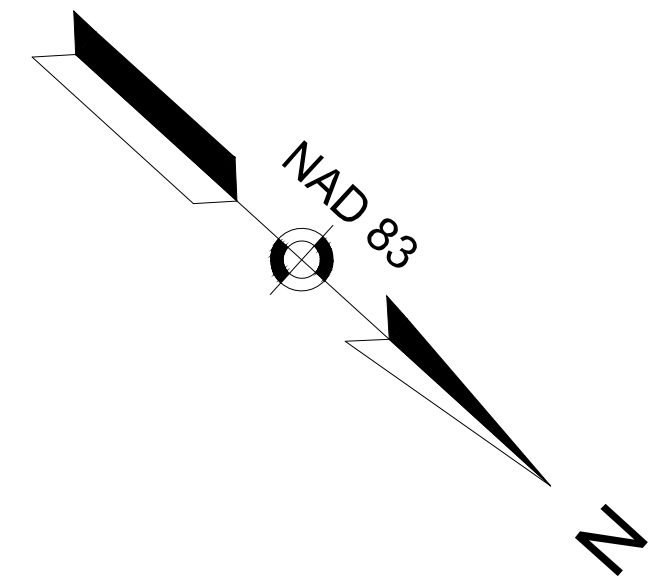
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SHEET NO. 50

CONTINUED ON
SHEET NO. 52

WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	52	178
PROJECT FILE NO.		607397	

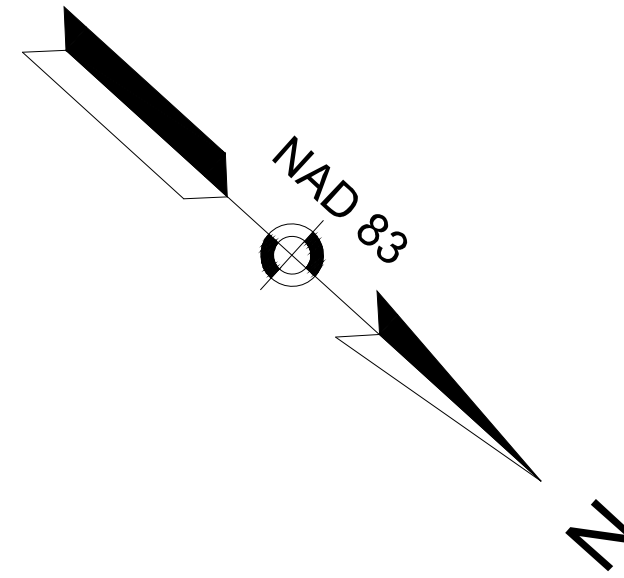
GRADING PLANS
PART 10 OF 11



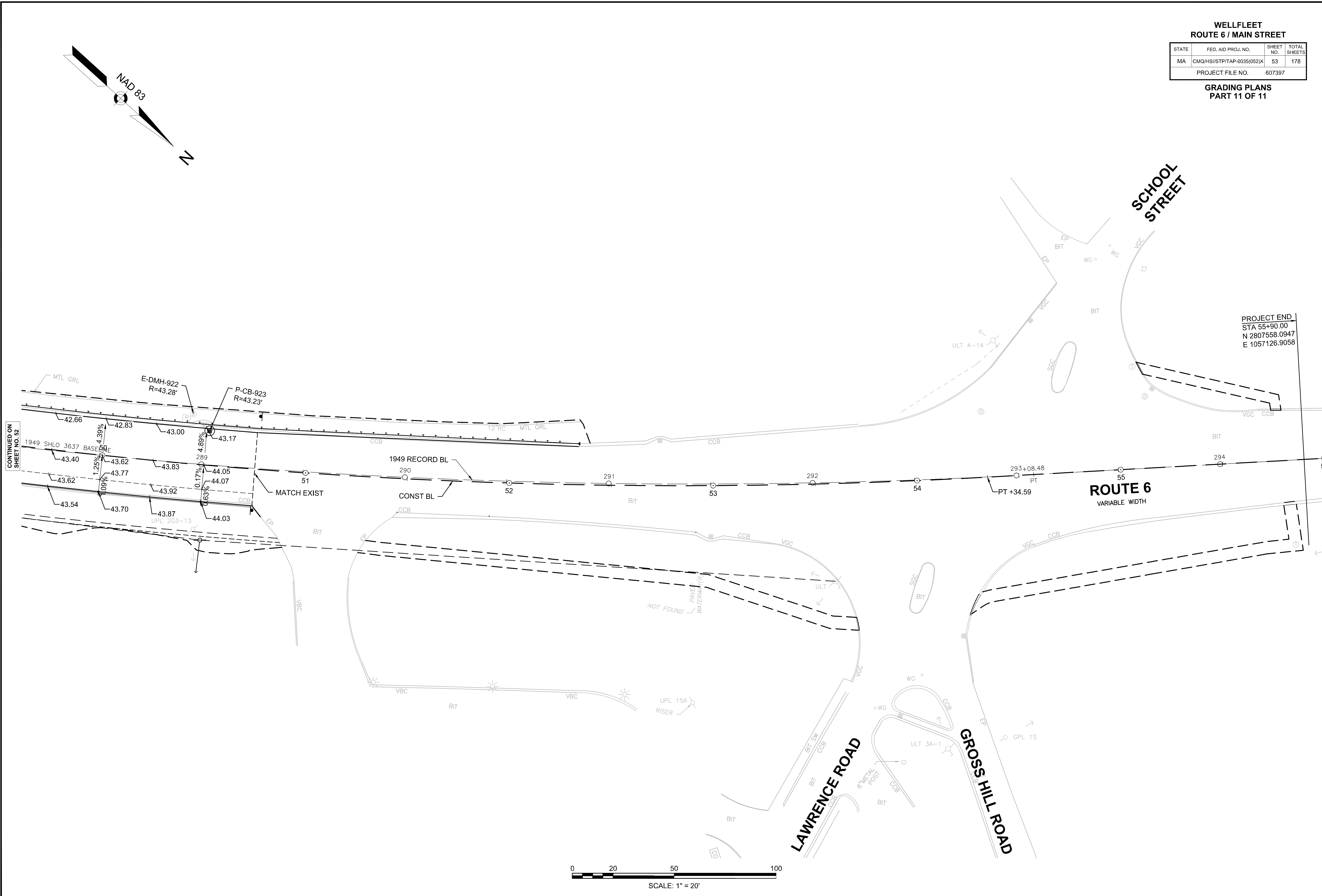
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	53	178
PROJECT FILE NO.		607397	

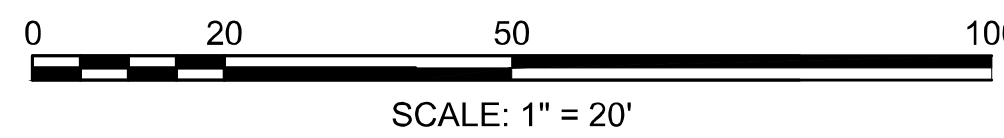
GRADING PLANS
PART 11 OF 11



PROJECT END
STA 55+90.00
N 2807558.0947
E 1057126.9058



CONTINUED ON
SHEET NO. 52

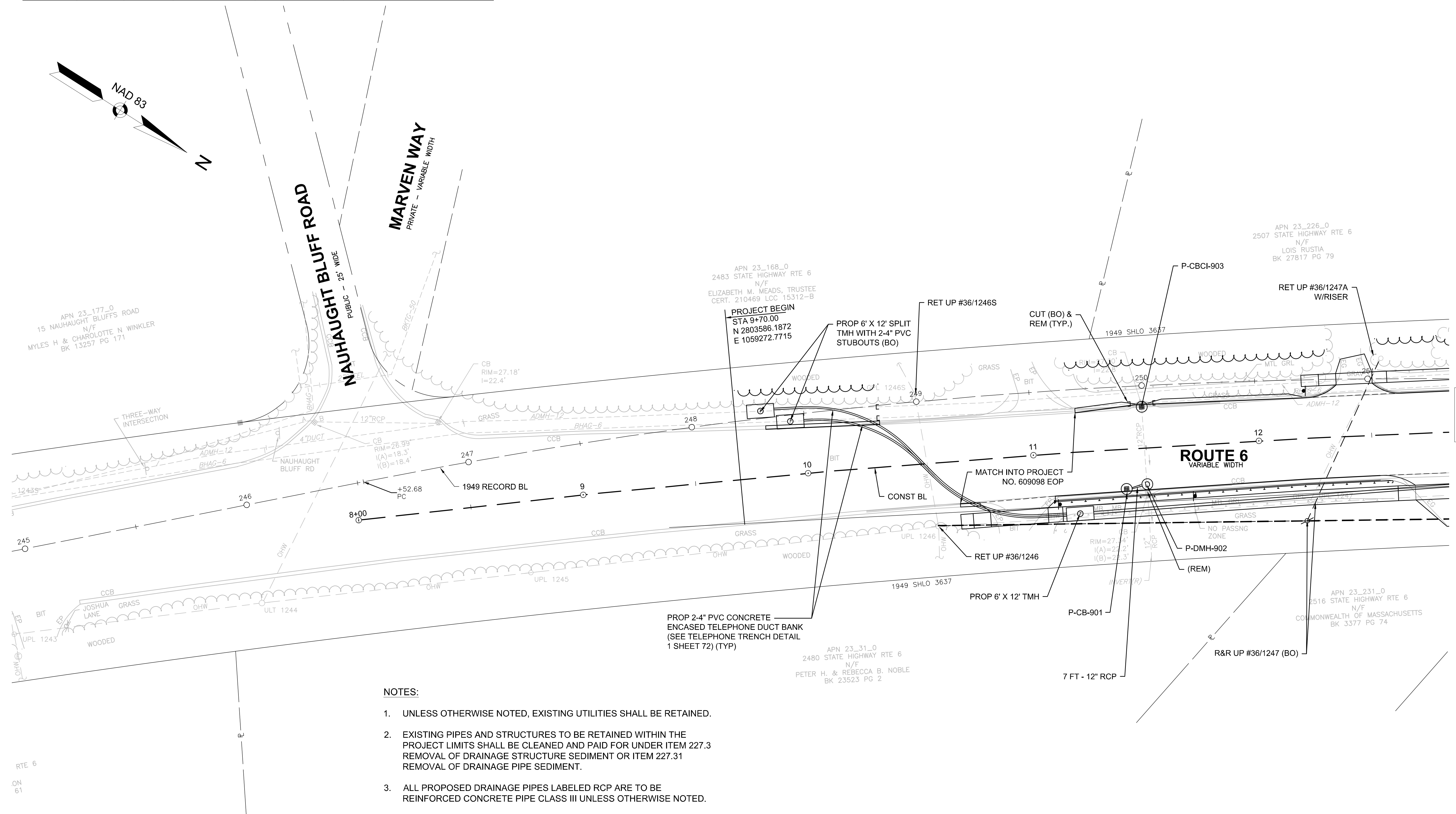


DRAINAGE STRUCTURE DATA					
NAME/TYPE	STATION	RIM EL.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
P-CB-901	11+40.15 RT 19.5	27.45		I=22.40 (P-DMH-902)	PROP CB, PROP MASSCASCAD F&G
P-DMH-902	11+49.83 RT 16.4	27.31	I=22.30 (P-CB-901)	I=22.20 (OUTFALL)	PROP DMH, PROP F&C, CONSTRUCT ON EXISTING PIPE
P-CBCI-903	11+49.33 LT 19.1	27.52		I=22.80 (P-DMH-902)	PROP CBCI, PROP MASSCADDCADE F&G, REM EXIST STRUCTURE

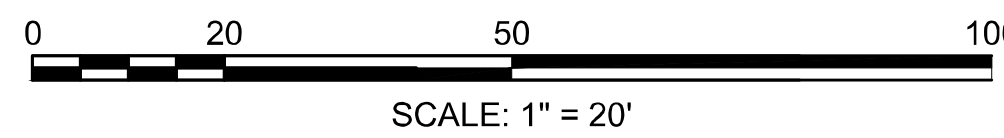
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	54	178
PROJECT FILE NO.		607397	

**DRAINAGE & UTILITY PLANS
PART 1 OF 11**



- NOTES:**
- UNLESS OTHERWISE NOTED, EXISTING UTILITIES SHALL BE RETAINED.
 - EXISTING PIPES AND STRUCTURES TO BE RETAINED WITHIN THE PROJECT LIMITS SHALL BE CLEANED AND PAID FOR UNDER ITEM 227.3 REMOVAL OF DRAINAGE STRUCTURE SEDIMENT OR ITEM 227.31 REMOVAL OF DRAINAGE PIPE SEDIMENT.
 - ALL PROPOSED DRAINAGE PIPES LABELED RCP ARE TO BE REINFORCED CONCRETE PIPE CLASS III UNLESS OTHERWISE NOTED.



CONTINUED ON
SHEET NO. 55

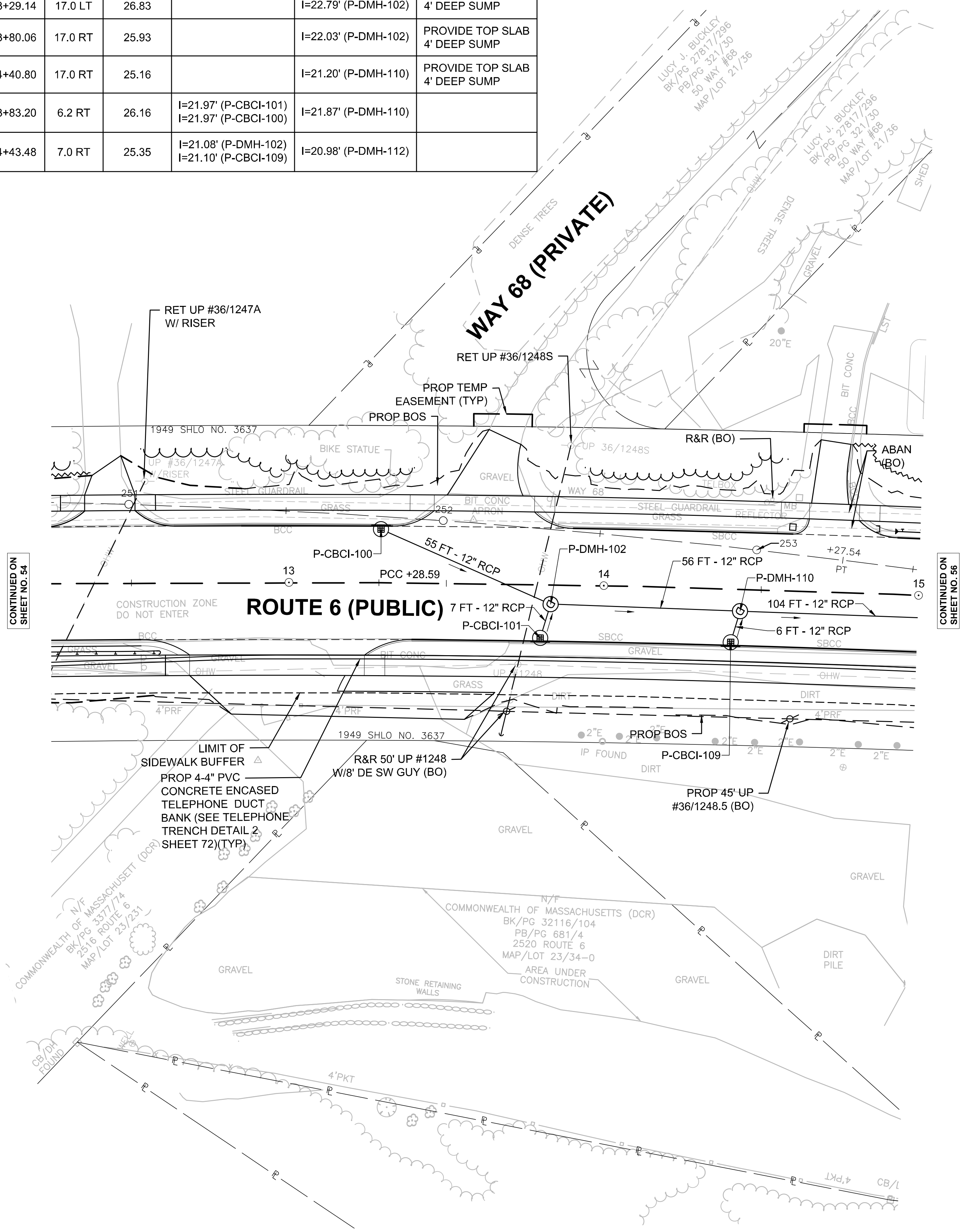
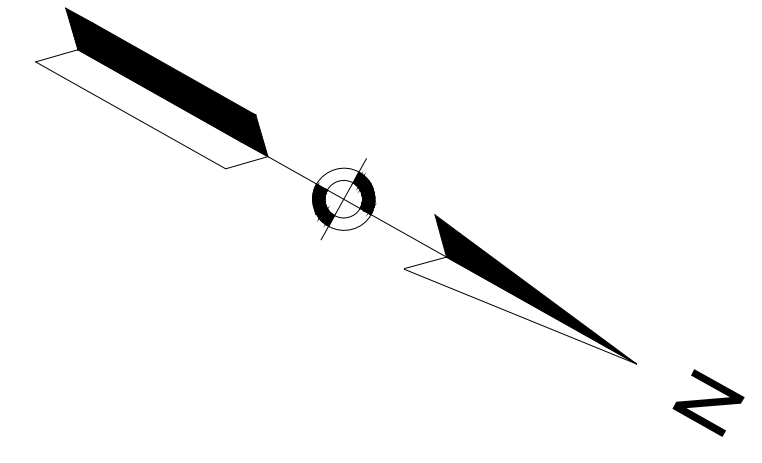
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	55	178
PROJECT FILE NO.		607397	

**DRAINAGE & UTILITY PLAN
PART 2 OF 11**

DRAINAGE STRUCTURE TABLE						
NAME/TYPE	STATION	OFFSET	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
P-CBCI-100	13+29.14	17.0 LT	26.83		I=22.79' (P-DMH-102)	4' DEEP SUMP
P-CBCI-101	13+80.06	17.0 RT	25.93		I=22.03' (P-DMH-102)	PROVIDE TOP SLAB 4' DEEP SUMP
P-CBCI-109	14+40.80	17.0 RT	25.16		I=21.20' (P-DMH-110)	PROVIDE TOP SLAB 4' DEEP SUMP
P-DMH-102	13+83.20	6.2 RT	26.16	I=21.97' (P-CBCI-101) I=21.97' (P-CBCI-100)	I=21.87' (P-DMH-110)	
P-DMH-110	14+43.48	7.0 RT	25.35	I=21.08' (P-DMH-102) I=21.10' (P-CBCI-109)	I=20.98' (P-DMH-112)	

N/F
LOIS RUSTIA
BK/PG 20187/79
PB/PG 300/44
2507 ROUTE 6
MAP/LOT 23/226

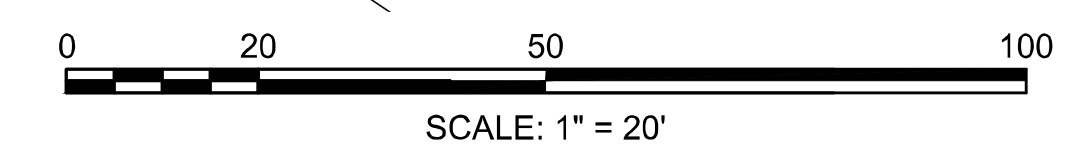


CONTINUED ON
SHEET NO. 54

CONTINUED ON
SHEET NO. 56

NOTES:

1. SEE DRAINAGE PIPE TABLES ON SHEETS 65 - 66.
2. UNLESS OTHERWISE NOTED, EXISTING UTILITIES SHALL BE RETAINED.
3. EXISTING PIPES AND STRUCTURES TO BE RETAINED WITHIN THE PROJECT LIMITS SHALL BE CLEANED AND PAID FOR UNDER ITEM 227.3 REMOVAL OF DRAINAGE STRUCTURE SEDIMENT OR ITEM 227.31 REMOVAL OF DRAINAGE PIPE SEDIMENT.
4. SECURED FRAME AND COVERS SHALL BE CONSTRUCTED AT ALL ROADWAY DRAIN MANHOLES ALONG ROUTE 6 PER SPECIAL PROVISION 221.1.



DRAINAGE STRUCTURE TABLE					
NAME/TYPE	STATION	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
E-CB-175	17+50.28 23.2 LT	19.71	I=14.40' (P-DMH-108)	I=13.90' (E-OF-109)	CIT TO MH
P-CB-103	16+16.25 17.0 LT	22.37		I=18.10' (P-DMH-105)	4' DEEP SUMP
P-CB-106	16+88.09 40.0 RT	19.84		I=16.08' (P-DMH-107)	PROVIDE TOP SLAB 4' DEEP SUMP
P-CB-111	15+42.60 38.7 RT	22.87		I=19.09' (P-DMH-112)	PROVIDE TOP SLAB 4' DEEP SUMP
P-CB-201	18+67.21 17.0 LT	16.89		I=12.84' (P-DMH-202)	4' DEEP SUMP
P-CB-208	18+32.83 39.6 RT	17.40		I=13.30' (P-DMH-211)	4' DEEP SUMP
P-CBCI-104	16+19.97 17.0 RT	21.70		I=17.45' (P-DMH-105)	4' DEEP SUMP
P-CBCI-109	14+40.80 17.0 RT	25.16		I=21.20' (P-DMH-110)	PROVIDE TOP SLAB 4' DEEP SUMP
P-CBCI-200	18+67.13 17.0 RT	16.90		I=12.82' (P-DMH-202)	4' DEEP SUMP

DRAINAGE STRUCTURE TABLE					
NAME/TYPE	STATION	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
P-DMH-105	16+25.41 4.9 RT	21.88	I=17.60' (P-DMH-112) I=17.30' (P-CBCI-104) I=17.60' (P-CB-103)	I=17.10' (P-DMH-107)	
P-DMH-107	17+05.33 5.3 RT	20.30	I=15.90' (P-DMH-105) I=15.90' (P-CB-106)	I=15.80' (P-DMH-108)	
P-DMH-108	17+50.83 5.9 RT	19.41	I=15.20' (P-DMH-107)	I=14.79' (E-CB-175)	
P-DMH-110	14+43.48 7.0 RT	25.35	I=21.08' (P-DMH-102) I=21.10' (P-CBCI-109)	I=20.98' (P-DMH-112)	
P-DMH-112	15+51.42 6.6 RT	23.30	I=18.95' (P-DMH-110) I=18.95' (P-CB-111)	I=18.85' (P-DMH-105)	
P-DMH-202	18+72.05 5.8 RT	17.02	I=12.75' (P-CBCI-200) I=12.69' (P-CB-201) I=12.81' (P-DMH-211)	I=12.61' (P-DMH-203)	
P-DMH-211	18+45 5.8 RT	17.55	I=13.14' (P-CB-208)	I=13.04' (P-DMH-202)	

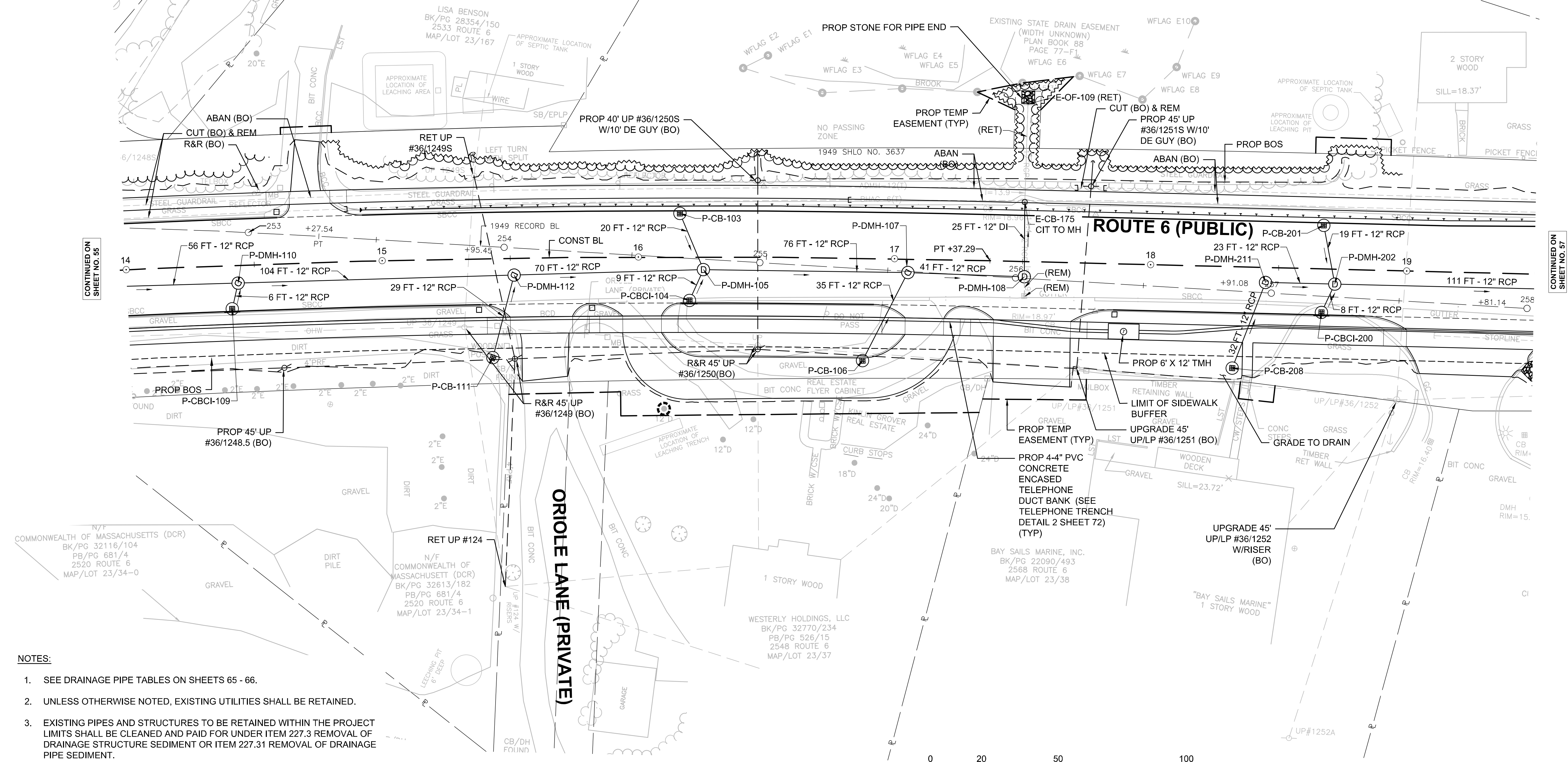
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSIST/P/TAP-0035(052)X	56	178

PROJECT FILE NO. 607397

**DRAINAGE & UTILITY PLAN
PART 3 OF 11**

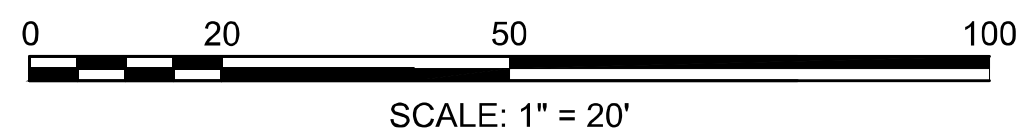
THOMAS R. PICKERING, AS TO AN UNDIVIDED ONE-HALF (1/2) INTEREST AND RICHARD H. PICKERING, AS TO AN UNDIVIDED ONE-HALF (1/2) INTEREST WITH A LIFE ESTATE RESERVED IN THOMAS R. PICKERING SR.
L.C.C. NO. 16845
CERT. NO. 164998
DOC. NO. 1095998
2567 ROUTE 6
MAP/LOT 21/37



- NOTES:**
- SEE DRAINAGE PIPE TABLES ON SHEETS 65 - 66.
 - UNLESS OTHERWISE NOTED, EXISTING UTILITIES SHALL BE RETAINED.
 - EXISTING PIPES AND STRUCTURES TO BE RETAINED WITHIN THE PROJECT LIMITS SHALL BE CLEANED AND PAID FOR UNDER ITEM 227.3 REMOVAL OF DRAINAGE STRUCTURE SEDIMENT OR ITEM 227.31 REMOVAL OF DRAINAGE PIPE SEDIMENT.
 - SECURED FRAME AND COVERS SHALL BE CONSTRUCTED AT ALL ROADWAY DRAIN MANHOLES ALONG ROUTE 6 PER SPECIAL PROVISION 221.1.

CONTINUED ON SHEET NO. 57

CONTINUED ON SHEET NO. 55

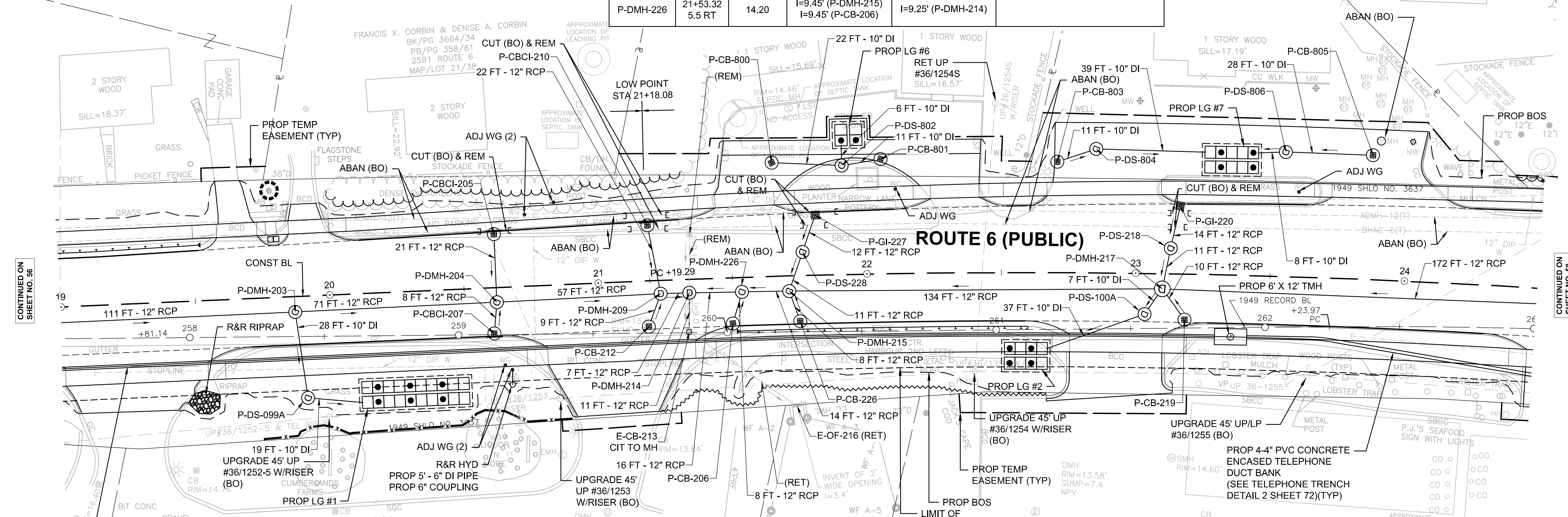


DRAINAGE STRUCTURE TABLE					
NAME/TYPE	STATION	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
E-CB-213	21+33.04 19.7 RT	13.98	I=8.70' (P-DMH-214)	I=8.60' (E-OF-216)	CIT TO MH
P-CB-206	21+49.55 17.1 RT	13.80		I=9.60' (P-DMH-226)	4' DEEP SUMP
P-CB-212	21+18.08 17.0 RT	13.96		I=9.67' (P-DMH-209)	4' DEEP SUMP
P-CB-219	23+18.46 17.0 RT	15.47		I=11.52' (P-DMH-217)	PROVIDE TOP SLAB 4' DEEP SUMP
P-CB-800	21+65.79 42.2 LT	14.14		I=10.20' (P-DS-802)	4' DEEP SUMP AND CATCH BASIN HOOD
P-CB-801	22+05.79 42.6 LT	14.60		I=10.13' (P-DS-802)	4' DEEP SUMP AND CATCH BASIN HOOD
P-CB-803	22+70.69 41.2 LT	15.74		I=11.85' (P-DS-804)	4' DEEP SUMP AND CATCH BASIN HOOD
P-CB-805	23+86.43 46.2 LT	16.51		I=12.00' (P-DS-806)	4' DEEP SUMP AND CATCH BASIN HOOD
P-CBCI-205	20+62.02 19.9 LT	14.39		I=10.22' (P-DMH-204)	4' DEEP SUMP
P-CBCI-207	20+60.55 17.0 RT	14.14		I=9.96' (P-DMH-204)	4' DEEP SUMP

DRAINAGE STRUCTURE TABLE					
NAME/TYPE	STATION	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
P-CB-226	21+74.74 17.0 RT	13.91		I=9.89' (P-DMH-215)	4' DEEP SUMP
P-CBCI-210	21+19.24 20.6 LT	14.58		I=9.32' (P-DMH-209)	4' DEEP SUMP
P-DMH-203	19+86.92 5.7 RT	15.03	I=10.95' (P-DMH-202)	I=10.95' (P-DMH-204) I=10.75' (P-DS-099A)	
P-DMH-204	20+62.02 5.4 RT	14.36	I=9.89' (P-DMH-203) I=10.01' (P-CBCI-205) I=9.89' (P-CBCI-207)	I=9.79' (P-DMH-209)	
P-DMH-209	21+23.03 5.0 RT	14.21	I=9.22' (P-DMH-204) I=9.22' (P-CBCI-210) I=9.22' (P-CB-212)	I=9.12' (P-DMH-214)	PROVIDE TOP SLAB
P-DMH-214	21+33.71 5.1 RT	14.20	I=9.01' (P-DMH-209) I=9.10' (P-DMH-226)	I=8.91' (E-CB-213)	
P-DMH-215	21+70.94 5.7 RT	14.27	I=9.90' (P-DMH-217) I=9.80' (P-CB-226) I=10.05' (P-DS-228)	I=9.70' (P-DMH-226)	
P-DMH-217	23+09.98 5.7 RT	15.73	I=11.40' (P-DMH-222) I=11.40' (P-CB-219) I=11.40' (P-DS-218)	I=11.30' (P-DMH-215) I=11.10' (P-DS-100A)	SPECIAL MANHOLE - 5' DIAMETER SEE DETAIL, SHEET NO. 67
P-DMH-226	21+53.32 5.5 RT	14.20	I=9.45' (P-DMH-215) I=9.45' (P-CB-206)	I=9.25' (P-DMH-214)	

WELLFLEET ROUTE 6 / MAIN STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/ST/P/TA/0035(052)X	57	178
PROJECT FILE NO.		607397	

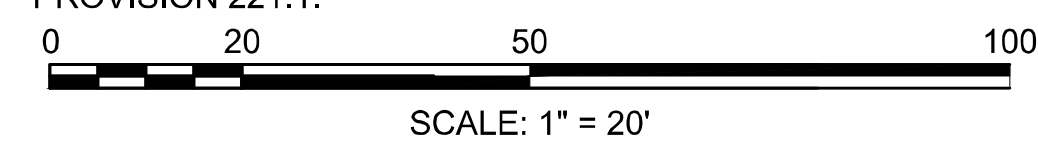
**DRAINAGE & UTILITY PLAN
PART 4 OF 11**



DRAINAGE STRUCTURE TABLE					
NAME/TYPE	STATION	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
P-DS-099A	19+90.28 37.8 RT	15.64	I=10.42' (P-DMH-203)	I=10.35' (PROP LG-1)	PRECAST CONCRETE STORM DRAIN MANHOLE WITH SUMP SEE DETAIL, SHEET NO. 67 CATCH BASIN HOOD ON OUTLET PIPE
P-DS-100A	23+03.50 15.2 RT	15.34	I=10.90' (P-DMH-217)	I=10.70' (PROP LG-2)	PRECAST CONCRETE STORM DRAIN MANHOLE WITH SUMP SEE DETAIL, SHEET NO. 67 CATCH BASIN HOOD ON OUTLET PIPE
P-DS-218	23+12.88 9.5 LT	16.27	I=12.00' (P-GI-220)	I=11.90' (P-DMH-217)	PRECAST CONCRETE STORM DRAIN MANHOLE WITH SUMP SEE DETAIL, SHEET NO. 67 PROVIDE TOP SLAB
P-GI-220	23+16.11 25.3 LT	16.55		I=12.45' (P-DS-218)	GUTTER INLET - SPECIAL SEE DETAIL, SHEET NO. 67
P-GI-227	21+81.29 22.3 LT	14.98		I=10.31' (P-DS-228)	GUTTER INLET - SPECIAL SEE DETAIL, SHEET NO. 67

DRAINAGE STRUCTURE TABLE					
NAME/TYPE	STATION	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
P-DS-228	21+76.29 8.7 LT	14.77	I=10.24' (P-GI-227)	I=10.14' (P-DMH-215)	PRECAST CONCRETE STORM DRAIN MANHOLE WITH SUMP SEE DETAIL, SHEET NO. 67
P-DS-802	21+91.45 40.5 LT	14.79	I=10.07' (P-CB-800) I=10.07' (P-CB-801)	I=9.97' (PROP LG-6)	PRECAST CONCRETE STORM DRAIN MANHOLE WITH SUMP SEE DETAIL, SHEET NO. 67 CATCH BASIN HOOD ON OUTLET PIPE
P-DS-804	22+84.96 46.0 LT	15.91	I=11.78' (P-CB-803)	I=11.68' (PROP LG-7)	PRECAST CONCRETE STORM DRAIN MANHOLE WITH SUMP SEE DETAIL, SHEET NO. 67 CATCH BASIN HOOD ON OUTLET PIPE
P-DS-806	23+54.47 46.3 LT	16.74	I=11.57' (P-CB-805)	I=11.47' (PROP LG-7)	PRECAST CONCRETE STORM DRAIN MANHOLE WITH SUMP SEE DETAIL, SHEET NO. 67 CATCH BASIN HOOD ON OUTLET PIPE

- NOTES:**
- SEE DRAINAGE PIPE TABLES ON SHEETS 65 - 66.
 - UNLESS OTHERWISE NOTED, EXISTING UTILITIES SHALL BE RETAINED.
 - EXISTING PIPES AND STRUCTURES TO BE RETAINED WITHIN THE PROJECT LIMITS SHALL BE CLEANED AND PAID FOR UNDER ITEM 227.3 REMOVAL OF DRAINAGE STRUCTURE SEDIMENT OR ITEM 227.31 REMOVAL OF DRAINAGE PIPE SEDIMENT.
 - SECURED FRAME AND COVERS SHALL BE CONSTRUCTED AT ALL ROADWAY DRAIN MANHOLES ALONG ROUTE 6 PER SPECIAL PROVISION 221.1.



DRAINAGE STRUCTURE TABLE					
NAME/TYPE	STATION	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
P-CB-221	24+78.80 41.4 LT	18.67		I=14.55' (P-DMH-223)	4' DEEP SUMP
P-CB-224	25+46.80 28.0 LT	19.53		I=14.65' (P-DMH-223)	4' DEEP SUMP
P-CB-300	27+83.30 39.9 LT	20.13		I=16.05' (P-DMH-301)	4' DEEP SUMP
P-CB-303	29+44.99 28.0 LT	18.30		I=14.25' (P-DMH-304)	4' DEEP SUMP
P-CBCI-225	25+08.01 17.0 RT	17.89		I=13.95' (P-DMH-222)	PROVIDE TOP SLAB 4' DEEP SUMP

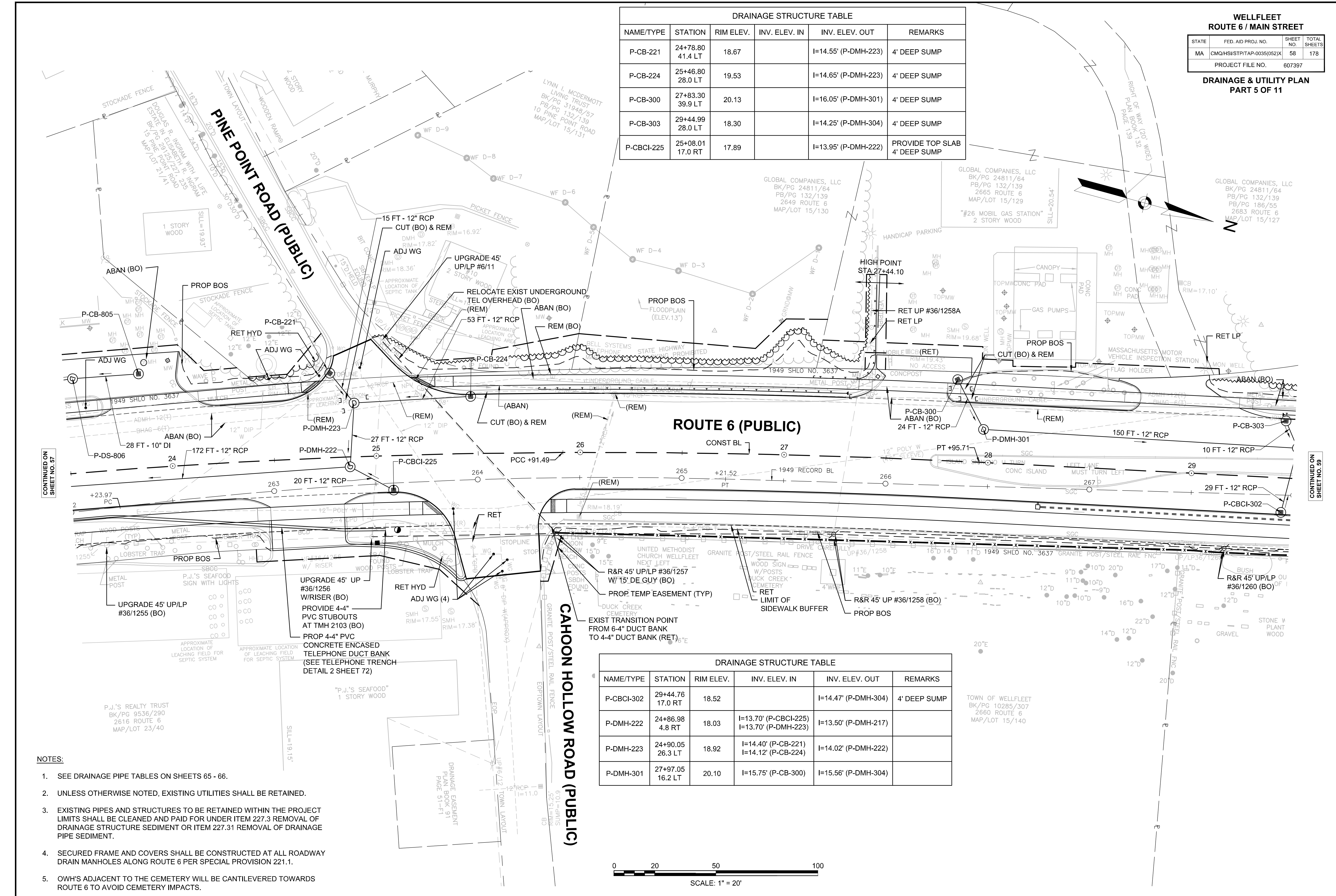
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	58	178

PROJECT FILE NO. 607397

**DRAINAGE & UTILITY PLAN
PART 5 OF 11**

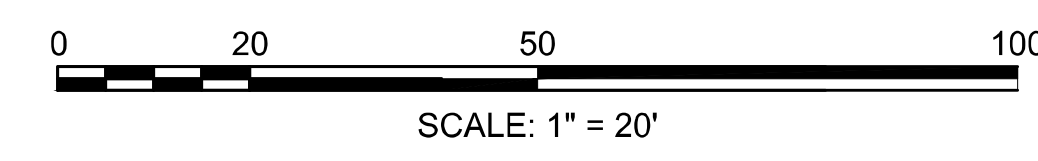
DRAINAGE STRUCTURE TABLE					
NAME/TYPE	STATION	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
P-CBCI-302	29+44.76 17.0 RT	18.52		I=14.47' (P-DMH-304)	4' DEEP SUMP
P-DMH-222	24+86.98 4.8 RT	18.03	I=13.70' (P-CBCI-225) I=13.70' (P-DMH-223)	I=13.50' (P-DMH-217)	
P-DMH-223	24+90.05 26.3 LT	18.92	I=14.40' (P-CB-221) I=14.12' (P-CB-224)	I=14.02' (P-DMH-222)	
P-DMH-301	27+97.05 16.2 LT	20.10	I=15.75' (P-CB-300)	I=15.56' (P-DMH-304)	



CONTINUED ON
SHEET NO. 57

CONTINUED ON
SHEET NO. 59

- NOTES:**
- SEE DRAINAGE PIPE TABLES ON SHEETS 65 - 66.
 - UNLESS OTHERWISE NOTED, EXISTING UTILITIES SHALL BE RETAINED.
 - EXISTING PIPES AND STRUCTURES TO BE RETAINED WITHIN THE PROJECT LIMITS SHALL BE CLEANED AND PAID FOR UNDER ITEM 227.3 REMOVAL OF DRAINAGE STRUCTURE SEDIMENT OR ITEM 227.31 REMOVAL OF DRAINAGE PIPE SEDIMENT.
 - SECURED FRAME AND COVERS SHALL BE CONSTRUCTED AT ALL ROADWAY DRAIN MANHOLES ALONG ROUTE 6 PER SPECIAL PROVISION 221.1.
 - OWH'S ADJACENT TO THE CEMETERY WILL BE CANTILEVERED TOWARDS ROUTE 6 TO AVOID CEMETERY IMPACTS.



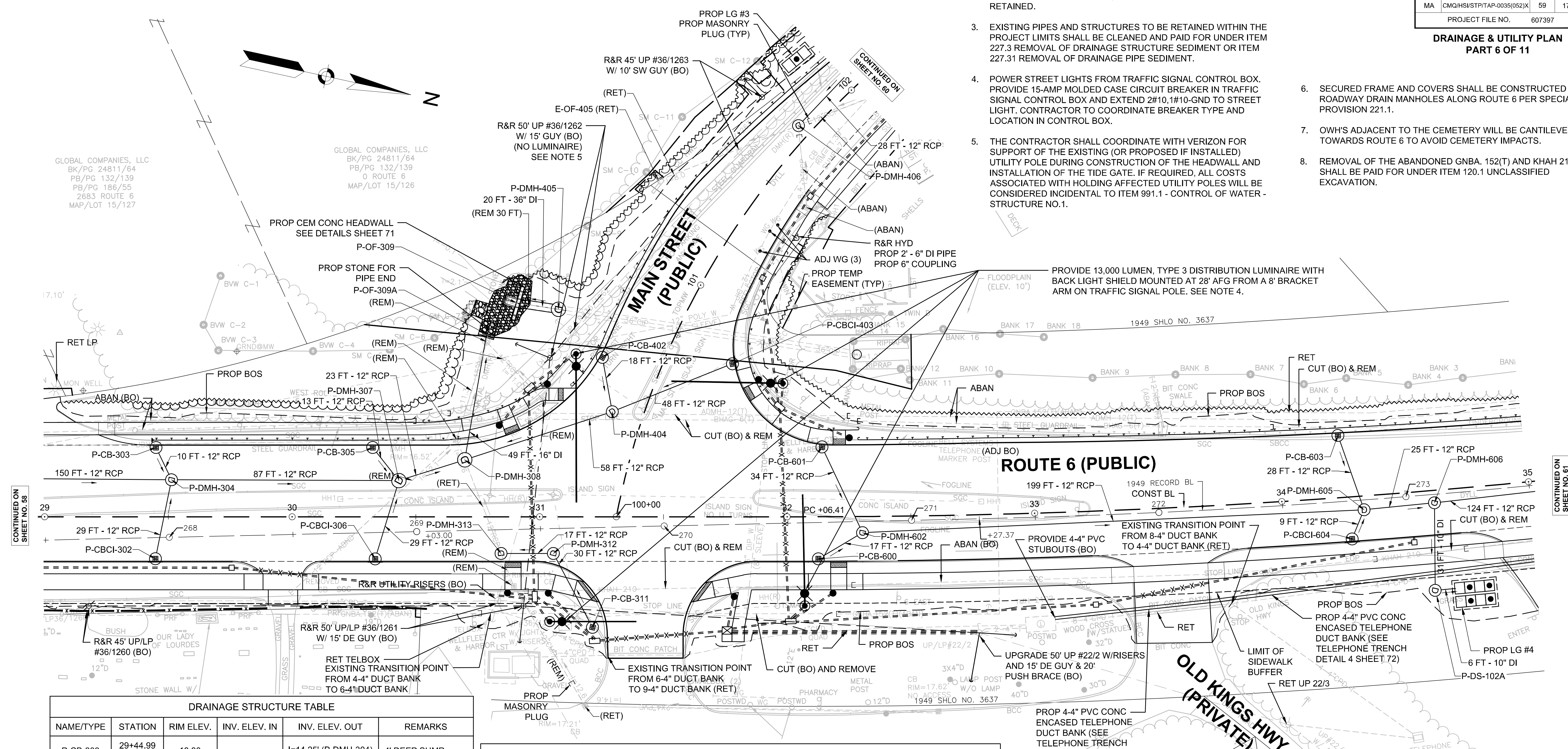
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	59	178
PROJECT FILE NO.		607397	

**DRAINAGE & UTILITY PLAN
PART 6 OF 11**

NOTES:

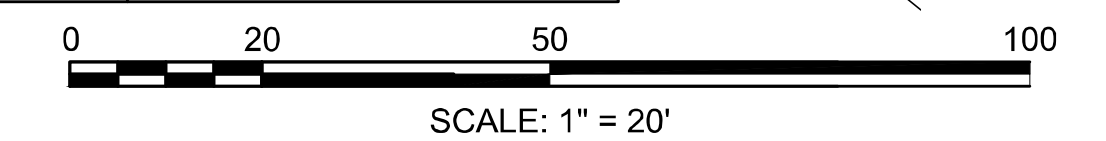
- SEE DRAINAGE PIPE TABLES ON SHEETS 65 - 66.
- UNLESS OTHERWISE NOTED, EXISTING UTILITIES SHALL BE RETAINED.
- EXISTING PIPES AND STRUCTURES TO BE RETAINED WITHIN THE PROJECT LIMITS SHALL BE CLEANED AND PAID FOR UNDER ITEM 227.3 REMOVAL OF DRAINAGE STRUCTURE SEDIMENT OR ITEM 227.31 REMOVAL OF DRAINAGE PIPE SEDIMENT.
- POWER STREET LIGHTS FROM TRAFFIC SIGNAL CONTROL BOX. PROVIDE 15-AMP MOLDED CASE CIRCUIT BREAKER IN TRAFFIC SIGNAL CONTROL BOX AND EXTEND 2#10,1#10-GND TO STREET LIGHT. CONTRACTOR TO COORDINATE BREAKER TYPE AND LOCATION IN CONTROL BOX.
- THE CONTRACTOR SHALL COORDINATE WITH VERIZON FOR SUPPORT OF THE EXISTING (OR PROPOSED IF INSTALLED) UTILITY POLE DURING CONSTRUCTION OF THE HEADWALL AND INSTALLATION OF THE TIDE GATE. IF REQUIRED, ALL COSTS ASSOCIATED WITH HOLDING AFFECTED UTILITY POLES WILL BE CONSIDERED INCIDENTAL TO ITEM 991.1 - CONTROL OF WATER-STRUCTURE NO.1.
- SECURED FRAME AND COVERS SHALL BE CONSTRUCTED AT ALL ROADWAY DRAIN MANHOLES ALONG ROUTE 6 PER SPECIAL PROVISION 221.1.
- OWH'S ADJACENT TO THE CEMETERY WILL BE CANTILEVERED TOWARDS ROUTE 6 TO AVOID CEMETERY IMPACTS.
- REMOVAL OF THE ABANDONED GNBA, 152(T) AND KHAI 210 SHALL BE PAID FOR UNDER ITEM 120.1 UNCLASSIFIED EXCAVATION.



DRAINAGE STRUCTURE TABLE					
NAME/TYPE	STATION	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
P-CB-303	29+44.99 28.0 LT	18.30		I=14.25' (P-DMH-304)	4' DEEP SUMP
P-CB-305	30+32.54 28.0 LT	17.46		I=13.46' (P-DMH-307)	4' DEEP SUMP
P-CB-311	31+21.35 44.7 RT	17.52		I=13.27' (P-DMH-312)	4' DEEP SUMP
P-CB-402	100+58.22 23.6 LT	14.45		I=10.87' (P-DMH-404)	PROVIDE TOP SLAB 4' DEEP SUMP
P-CB-600	32+12.59 17.0 RT	15.40		I=11.00' (P-DMH-602)	4' DEEP SUMP
P-CB-601	32+14.13 28.2 LT	14.43		I=10.10' (P-DMH-602)	4' DEEP SUMP
P-CB-603	34+24.52 25.1 LT	10.76		I=7.60' (P-DMH-605)	PROVIDE TOP SLAB 4' DEEP SUMP
P-CBCI-302	29+44.76 17.0 RT	18.52		I=14.47' (P-DMH-304)	4' DEEP SUMP
P-CBCI-306	30+33.55 17.0 RT	17.66		I=13.60' (P-DMH-307)	4' DEEP SUMP
P-CBCI-403	100+76.48 25.8 RT	13.81		I=10.70' (P-DMH-404)	PROVIDE TOP SLAB 4' DEEP SUMP

DRAINAGE STRUCTURE TABLE					
NAME/TYPE	STATION	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
P-CBCI-604	34+27.24 17.0 RT	11.87		I=7.71' (P-DMH-605)	4' DEEP SUMP
P-DMH-304	29+51.25 14.9 LT	18.51	I=13.70' (P-DMH-301) I=14.10' (P-CB-303) I=14.10' (P-CBCI-302)	I=13.60' (P-DMH-307)	
P-DMH-307	30+43.11 14.6 LT	17.60	I=13.20' (P-CBCI-306) I=13.30' (P-CB-305) I=12.50' (P-DMH-304)	I=12.40' (P-DMH-308)	SPECIAL MANHOLE - 5' DIAMETER SEE DETAIL, SHEET NO. 67
P-DMH-308	30+69.76 23.0 LT	17.08	I=11.60' (P-DMH-313) I=12.10' (P-DMH-307) I=10.00' (P-DMH-404)	I=9.80' (P-OF-309A)	SPECIAL MANHOLE - 5' DIAMETER SEE DETAIL, SHEET NO. 67
P-DMH-312	31+05.55 14.8 RT	16.86	I=12.97' (P-CB-311)	I=12.87' (P-DMH-313)	PROVIDE TOP SLAB
P-DMH-404	100+39.90 12.4 LT	15.43	I=10.68' (P-CB-402) I=10.46' (P-CBCI-403)	I=10.36' (P-DMH-308)	
P-DMH-405	100+68.30 47.4 LT	3.80	I=0.09' (EXIST 36" CIP)	I=0.09' (P-OF-309)	SPECIAL MANHOLE - 5' DIAMETER SEE DETAIL, SHEET NO. 67

DRAINAGE STRUCTURE TABLE					
NAME/TYPE	STATION	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
P-DMH-313	30+84.40 14.8 RT	17.11	I=12.70' (P-DMH-312)	I=12.50' (P-DMH-308)	PLUG EXIST PIPE OPENING
P-DMH-406	101+74.97 5.3 LT	12.48	I=8.15' (P-DMH-407)	I=8.05' (E-OF-405)	
P-DMH-602	32+30.40 6.5 RT	15.10	I=10.20' (P-CB-600) I=9.70' (P-CB-601)	I=9.50' (P-DMH-605)	
P-DMH-605	34+32.89 5.6 RT	11.66	I=7.35' (P-DMH-602) I=7.35' (P-CB-603) I=7.41' (P-CBCI-604)	I=7.25' (P-DMH-606)	
P-DMH-606	34+61.43 5.0 RT	11.16	I=6.70' (P-DMH-605)	I=6.60' (P-DMH-607) I=6.50' (P-DS-102A)	PROVIDE TOP SLAB
P-OF-309A	30+78.57 73.7 LT		I=7.54' (P-DMH-308)		SEE DETAIL, SHEET NO. 70



GLOBAL COMPANIES, LLC
BK/PG 24811/64
PB/PG 132/139
PB/PG 186/55
2683 ROUTE 6
MAP/LOT 15/127

GLOBAL COMPANIES, LLC
BK/PG 24811/64
PB/PG 132/139
0 ROUTE 6
MAP/LOT 15/126

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SHEET NO. 61

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SHEET NO. 58

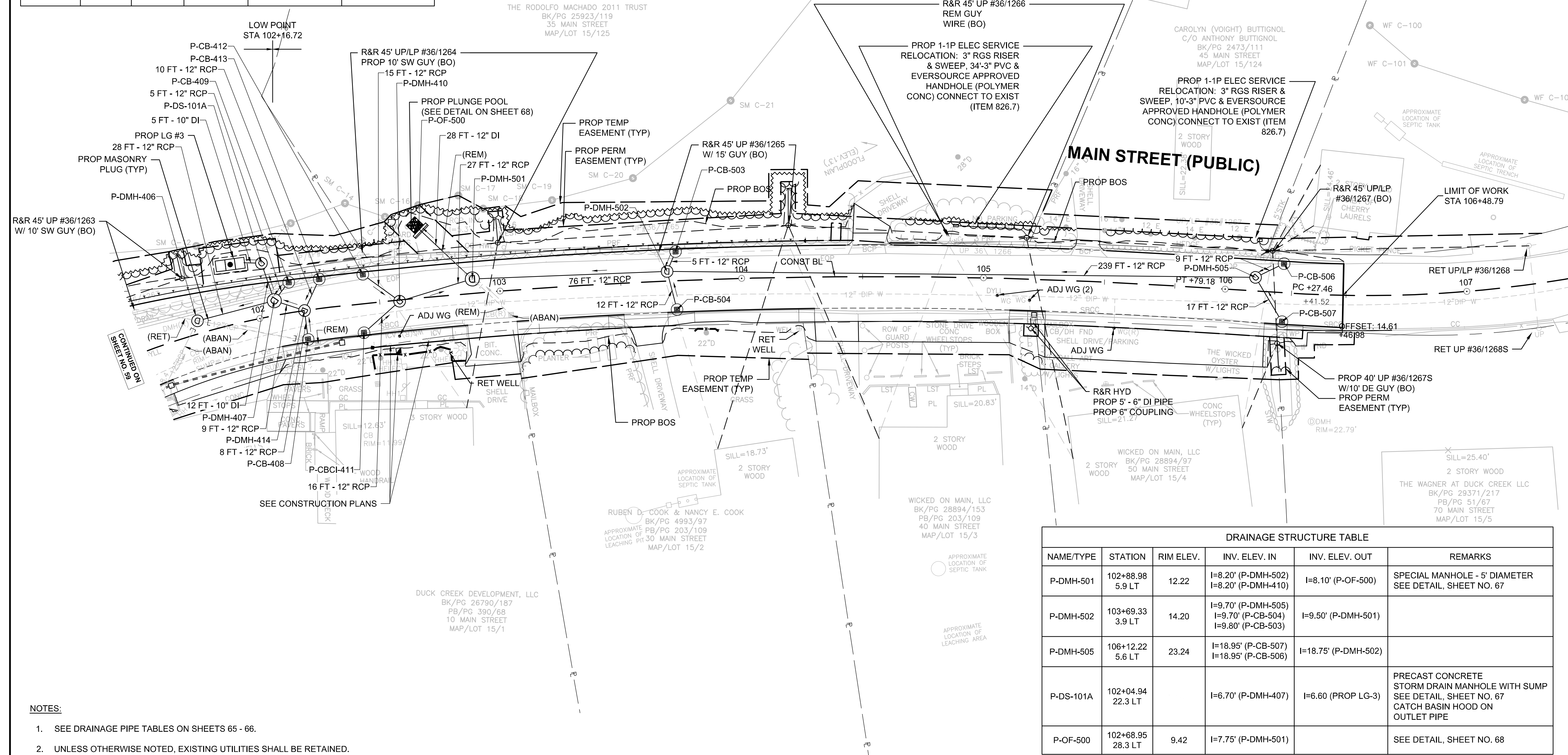
DRAINAGE STRUCTURE TABLE					
NAME/TYPE	STATION	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
P-CB-408	102+18.52 12.0 RT	11.48		I=8.47' (P-DMH-414)	PROVIDE TOP SLAB 4' DEEP SUMP
P-CB-409	102+14.18 12.6 LT	11.47		I=8.37' (P-DMH-407)	PROVIDE SLAB TOP 4' DEEP SUMP
P-CB-412	102+44.29 12.0 LT	11.56		I=8.39' (P-DMH-410)	PROVIDE TOP SLAB 4' DEEP SUMP
P-CB-503	103+73.15 12.0 LT	14.14		I=9.90' (P-DMH-502)	4' DEEP SUMP
P-CB-504	103+72.79 12.0 RT	14.13		I=9.90' (P-DMH-502)	4' DEEP SUMP
P-CB-506	106+23.63 12.0 LT	23.36		I=19.10' (P-DMH-505)	4' DEEP SUMP
P-CB-507	106+24.24 12.0 RT	23.37		I=19.20' (P-DMH-505)	4' DEEP SUMP

DRAINAGE STRUCTURE TABLE					
NAME/TYPE	STATION	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
P-CB-413	102+26.38 12.1 LT	11.48		I=8.48' (P-DMH-414)	PROVIDE TOP SLAB 4' DEEP SUMP
P-CBCI-411	102+42.24 12.0 RT	11.55		I=8.38' (P-DMH-410)	PROVIDE TOP SLAB 4' DEEP SUMP
P-DMH-406	101+74.97 5.3 LT	12.48	I=8.15' (P-DMH-407)	I=8.05' (E-OF-405)	
P-DMH-407	102+07.21 6.1 LT	11.61	I=8.35' (P-CB-409) I=8.36' (P-DMH-414)	I=8.26' (P-DMH-406) I=6.90' (P-DS-101A)	SPECIAL MANHOLE - 5' DIAMETER PROVIDE TOP SLAB SEE DETAIL, SHEET NO. 67
P-DMH-410	102+58.28 0.5 RT	11.90	I=8.32' (P-CB-412) I=8.32' (P-CBCI-411)	I=8.32' (P-DMH-501)	PROVIDE TOP SLAB
P-DMH-414	102+18.76 0.0	11.71	I=8.44' (P-CB-413) I=8.44' (P-CB-408)	I=8.40' (P-DMH-407)	PROVIDE TOP SLAB

**WELLFLEET
ROUTE 6 / MAIN STREET**

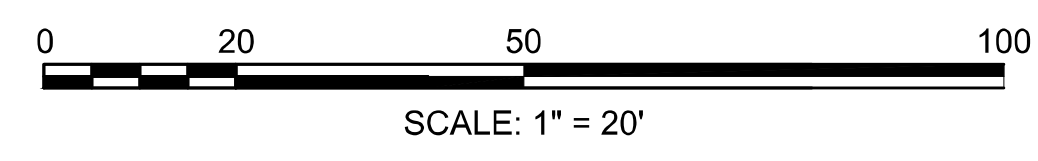
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	60	178
PROJECT FILE NO.		607397	

**DRAINAGE AND UTILITY PLANS
PART 7 OF 11**



DRAINAGE STRUCTURE TABLE					
NAME/TYPE	STATION	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
P-DMH-501	102+88.98 5.9 LT	12.22	I=8.20' (P-DMH-502) I=8.20' (P-DMH-410)	I=8.10' (P-OF-500)	SPECIAL MANHOLE - 5' DIAMETER SEE DETAIL, SHEET NO. 67
P-DMH-502	103+69.33 3.9 LT	14.20	I=9.70' (P-DMH-505) I=9.70' (P-CB-504) I=9.80' (P-CB-503)	I=9.50' (P-DMH-501)	
P-DMH-505	106+12.22 5.6 LT	23.24	I=18.95' (P-CB-507) I=18.95' (P-CB-506)	I=18.75' (P-DMH-502)	
P-DS-101A	102+04.94 22.3 LT		I=6.70' (P-DMH-407)	I=6.60' (PROP LG-3)	PRECAST CONCRETE STORM DRAIN MANHOLE WITH SUMP SEE DETAIL, SHEET NO. 67 CATCH BASIN HOOD ON OUTLET PIPE
P-OF-500	102+68.95 28.3 LT	9.42	I=7.75' (P-DMH-501)		SEE DETAIL, SHEET NO. 68

- NOTES:**
- SEE DRAINAGE PIPE TABLES ON SHEETS 65 - 66.
 - UNLESS OTHERWISE NOTED, EXISTING UTILITIES SHALL BE RETAINED.
 - EXISTING PIPES AND STRUCTURES TO BE RETAINED WITHIN THE PROJECT LIMITS SHALL BE CLEANED AND PAID FOR UNDER ITEM 227.3 REMOVAL OF DRAINAGE STRUCTURE SEDIMENT OR ITEM 227.31 REMOVAL OF DRAINAGE PIPE SEDIMENT.



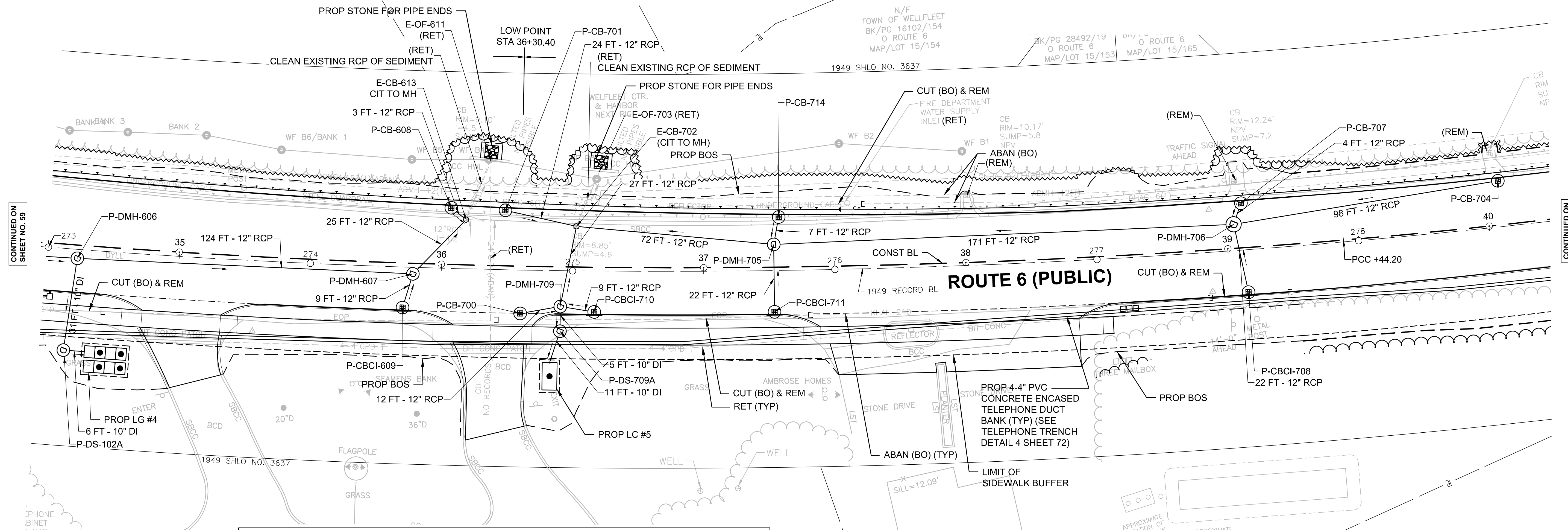
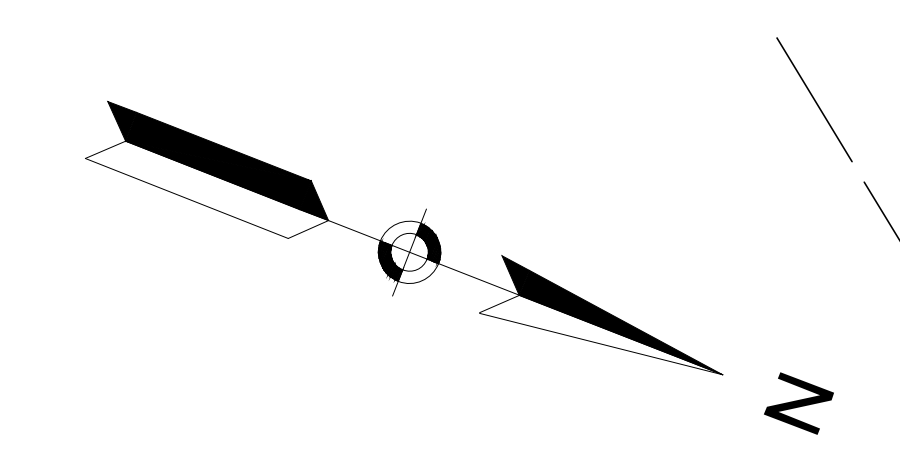
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	61	178
PROJECT FILE NO.		607397	

**DRAINAGE & UTILITY PLAN
PART 8 OF 11**

DRAINAGE STRUCTURE TABLE					
NAME/TYPE	STATION	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
E-CB-613	36+09.00 17.2 LT	8.95	I=4.60' (P-DMH-607) I=4.60' (P-CB-608)	I=4.50' (E-OF-611)	CIT TO MH
E-CB-702	36+51.33 15.5 LT	9.01	I=5.30' (P-CB-701) I=5.30' (P-DMH-709) I=5.30' (P-DMH-705)	I=5.20' (E-OF-703)	CIT TO MH
P-CB-608	36+03.22 21.6 LT	8.82		I=4.63' (E-CB-613)	4' DEEP SUMP
P-CB-700	36+30.40 18.0 RT	9.80		I=6.80' (P-DMH-709)	PROVIDE TOP SLAB 4' DEEP SUMP

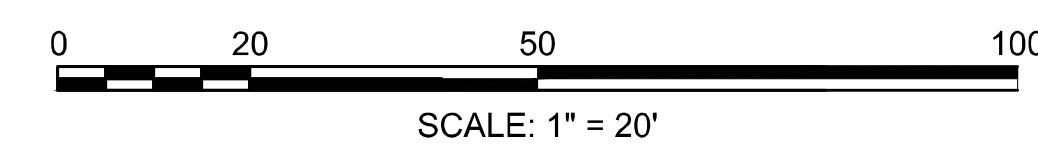
DRAINAGE STRUCTURE TABLE					
NAME/TYPE	STATION	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
P-CB-701	36+24 21.2 LT	8.79		I=5.47' (E-CB-702)	PROVIDE TOP SLAB 4' DEEP SUMP
P-CB-704	40+05.16 16.8 LT	15.50		I=11.00' (P-DMH-706)	
P-CB-707	39+06.20 17.0 LT	12.87		I=8.58' (P-DMH-706)	4' DEEP SUMP
P-CB-714	37+28.84 19.1 LT	9.37		I=6.18' (P-DMH-705)	PROVIDE SLAB TOP 4' DEEP SUMP
P-CBCI-609	35+85.80 17.0 RT	9.92		I=5.75' (P-DMH-607)	4' DEEP SUMP
P-CBCI-708	39+06.71 17.0 RT	14.09		I=9.09' (P-DMH-706)	4' DEEP SUMP
P-CBCI-710	36+58.49 17.0 RT	9.86		I=6.80' (P-DMH-709)	PROVIDE TOP SLAB 4' DEEP SUMP
P-CBCI-711	37+26.84 17.0 RT	10.30		I=6.25' (P-DMH-705)	PROVIDE SLAB TOP 4' DEEP SUMP



DRAINAGE STRUCTURE TABLE					
NAME/TYPE	STATION	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
P-DMH-606	34+61.43 5.0 RT	11.16	I=6.70' (P-DMH-605)	I=6.60' (P-DMH-607) I=6.50' (P-DS-102A)	PROVIDE TOP SLAB
P-DMH-607	35+89.28 4.0 RT	9.73	I=5.55' (P-DMH-606) I=5.55' (P-CBCI-609)	I=5.45' (E-CB-613)	
P-DMH-705	37+26.84 8.7 LT	9.70	I=6.12' (P-DMH-706) I=6.12' (P-CB-714) I=6.12' (P-CBCI-711)	I=6.02' (E-CB-702)	PROVIDE TOP SLAB
P-DMH-706	39+02.84 9.2 LT	13.05	I=8.50' (P-CBCI-708) I=8.50' (P-CB-707) I=8.50' (P-CB-704)	I=8.40' (P-DMH-705)	SPECIAL MANHOLE - 5' DIAMETER SEE DETAIL, SHEET NO. 67

DRAINAGE STRUCTURE TABLE					
NAME/TYPE	STATION	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
P-DMH-709	36+45.59 15.1 RT	9.87	I=6.74' (P-CBCI-710) I=6.74' (P-CB-700)	I=6.44' (P-DS-709A) I=6.64' (E-CB-702)	PROVIDE TOP SLAB
P-DS-102A	34+58.78 40.3 RT	10.78	I=6.14' (P-DMH-606)	I=6.00' (PROP LG-4)	PRECAST CONCRETE STORM DRAIN MANHOLE WITH SUMP SEE DETAIL, SHEET NO. 67 CATCH BASIN HOOD ON OUTLET PIPE
P-DS-709A	36+45.59 24.5 RT	10.23	I=6.41' (P-DMH-709)	I=5.81' (PROP LC-5)	PRECAST CONCRETE STORM DRAIN MANHOLE WITH SUMP SEE DETAIL, SHEET NO. 67 CATCH BASIN HOOD ON OUTLET PIPE

- NOTES:**
- SEE DRAINAGE PIPE TABLES ON SHEETS 65 - 66.
 - UNLESS OTHERWISE NOTED, EXISTING UTILITIES SHALL BE RETAINED.
 - EXISTING PIPES AND STRUCTURES TO BE RETAINED WITHIN THE PROJECT LIMITS SHALL BE CLEANED AND PAID FOR UNDER ITEM 227.3 REMOVAL OF DRAINAGE STRUCTURE SEDIMENT OR ITEM 227.31 REMOVAL OF DRAINAGE PIPE SEDIMENT.
 - SECURED FRAME AND COVERS SHALL BE CONSTRUCTED AT ALL ROADWAY DRAIN MANHOLES ALONG ROUTE 6 PER SPECIAL PROVISION 221.1.



CONTINUED ON
SHEET NO. 59

CONTINUED ON
SHEET NO. 62

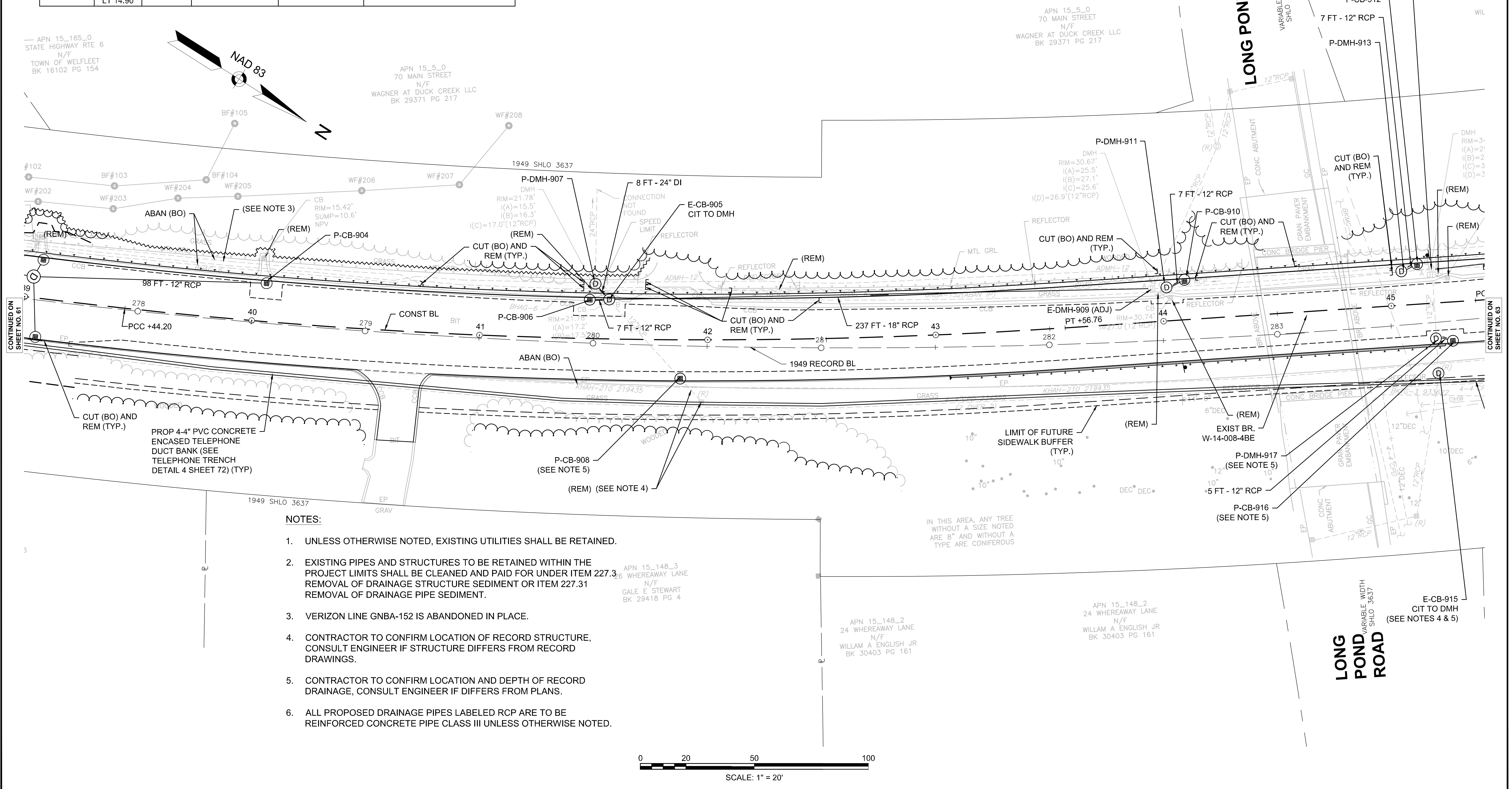
DRAINAGE STRUCTURE DATA					
NAME/TYPE	STATION	RIM EL.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
P-CB-904	40+05.03 LT 17.0	15.92		I=11.00 (P-DMH-706)	PROP CB, PROP MASSCASCADE F&G
E-CB-905	41+56.58 LT 17.3	21.8300	I=17.20 (E-DMH-909) I=17.25 (P-CB-906) I=17.70 (P-CB-908)	I=17.20 (P-DMH-907)	CIT TO DMH, PROP F&C
P-CB-906	41+48.00 LT 18.0	21.4700		I=17.30 (E-CB-905)	PROP CB, PROP MASSCASCADE F&G
P-DMH-907	41+50.34 LT 24.1	21.76	I=17.10 (E-CB-905)	I=15.4	PROP DMH, PROP F&C
P-CB-908	41+89.05 RT 18.0	23.97	I=18.00 (E-CB-905) (SEE NOTE 5)		PROP CB, PROP MASSCASCADE F&G
P-CB-910	44+10.37 LT 17.75	30.83		I=25.85 (P-DMH-911)	PROP CB, PROP MASSCASCADE F&G
P-DMH-911	44+02.39 LT 14.90	30.65	I=25.75 (P-CB-911)	I=25.70 (E-DMH-909)	PROP DMH, PROP F&C

DRAINAGE STRUCTURE DATA					
NAME/TYPE	STATION	RIM EL.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
P-CB-912	45+12.55 LT 17.94	33.81		I=29.00 (P-DMH-913)	PROP CB, PROP MASSCASCADE F&G
P-DMH-913	45+05.55 LT 14.76	33.69	I=28.95 (P-CB-912) I=28.85 (E-DMH-914)	I=28.75 (P-DMH-911)	PROP DMH, PROP F&C
E-CB-915	45+18.65 RT 30.81	35.37		I=30.55 (P-DMH-917) (SEE NOTE 5)	CIT TO DMH, PROP F&C
P-CB-916	45+26.64 RT 17.99	35.07		I=30.35 (P-DMH-917) (SEE NOTE 5)	PROP CB, PROP MASSCASCADE F&G
P-DMH-917	45+18.60 RT 15.48	34.90	I=30.40 (E-CB-915) I=30.40 (P-CB-916) (SEE NOTE 5)	I=30.30 (E-DMH-914) (SEE NOTE 5)	PROP DMH, PROP F&C

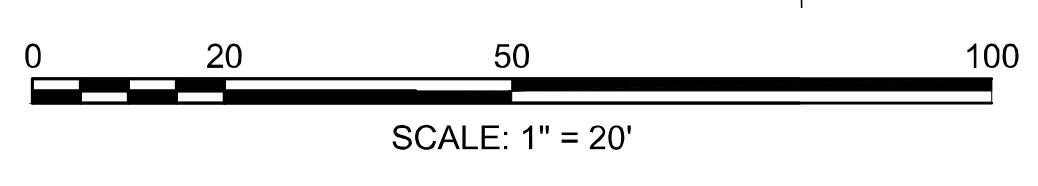
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	62	178
PROJECT FILE NO.		607397	

**DRAINAGE & UTILITY PLANS
PART 9 OF 11**



- NOTES:**
- UNLESS OTHERWISE NOTED, EXISTING UTILITIES SHALL BE RETAINED.
 - EXISTING PIPES AND STRUCTURES TO BE RETAINED WITHIN THE PROJECT LIMITS SHALL BE CLEANED AND PAID FOR UNDER ITEM 227.3. REMOVAL OF DRAINAGE STRUCTURE SEDIMENT OR ITEM 227.31 REMOVAL OF DRAINAGE PIPE SEDIMENT.
 - VERIZON LINE GNBA-152 IS ABANDONED IN PLACE.
 - CONTRACTOR TO CONFIRM LOCATION OF RECORD STRUCTURE, CONSULT ENGINEER IF STRUCTURE DIFFERS FROM RECORD DRAWINGS.
 - CONTRACTOR TO CONFIRM LOCATION AND DEPTH OF RECORD DRAINAGE, CONSULT ENGINEER IF DIFFERS FROM PLANS.
 - ALL PROPOSED DRAINAGE PIPES LABELED RCP ARE TO BE REINFORCED CONCRETE PIPE CLASS III UNLESS OTHERWISE NOTED.



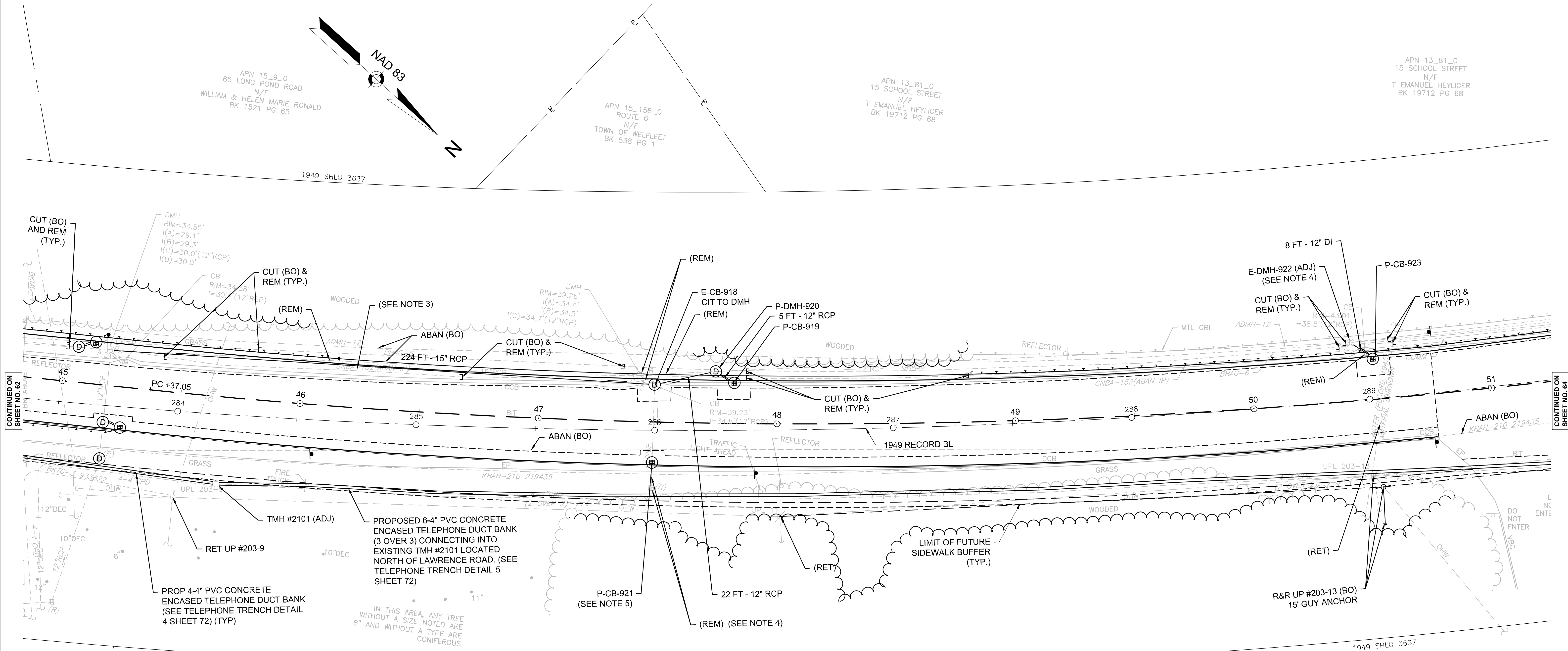
DRAINAGE STRUCTURE DATA					
NAME/TYPE	STATION	RIM EL.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
E-CB-918	47+48.43 LT 15.64	39.63	I=34.85 (P-CB-921) I=34.85 (P-DMH-920)	I=34.80 (P-DMH-913)	CIT TO DMH, PROP F&C
P-CB-919	47+82.00 LT 16.93	40.22		I=34.90 (E-CB-920)	PROP CB, PROP MASSCASCAD F&G
P-DMH-920	47+74.23 LT 21.34	40.26	I=35.00 (P-CB-919) I=35.00 (E-DMH-922)	I=34.90 (E-CB-918)	PROP DMH, PROP F&C

DRAINAGE STRUCTURE DATA					
NAME/TYPE	STATION	RIM EL.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
P-CB-921	47+48.09 RT 18.00	40.46		I=35.08 (E-CB-918) (SEE NOTE 5)	PROP CB, PROP MASSCASCAD F&G

**WELLFLEET
ROUTE 6 / MAIN STREET**

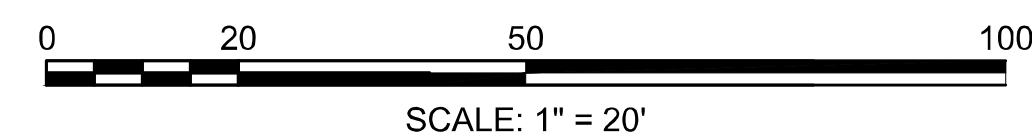
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	63	178
PROJECT FILE NO.		607397	

**DRAINAGE & UTILITY PLANS
PART 10 OF 11**



NOTES:

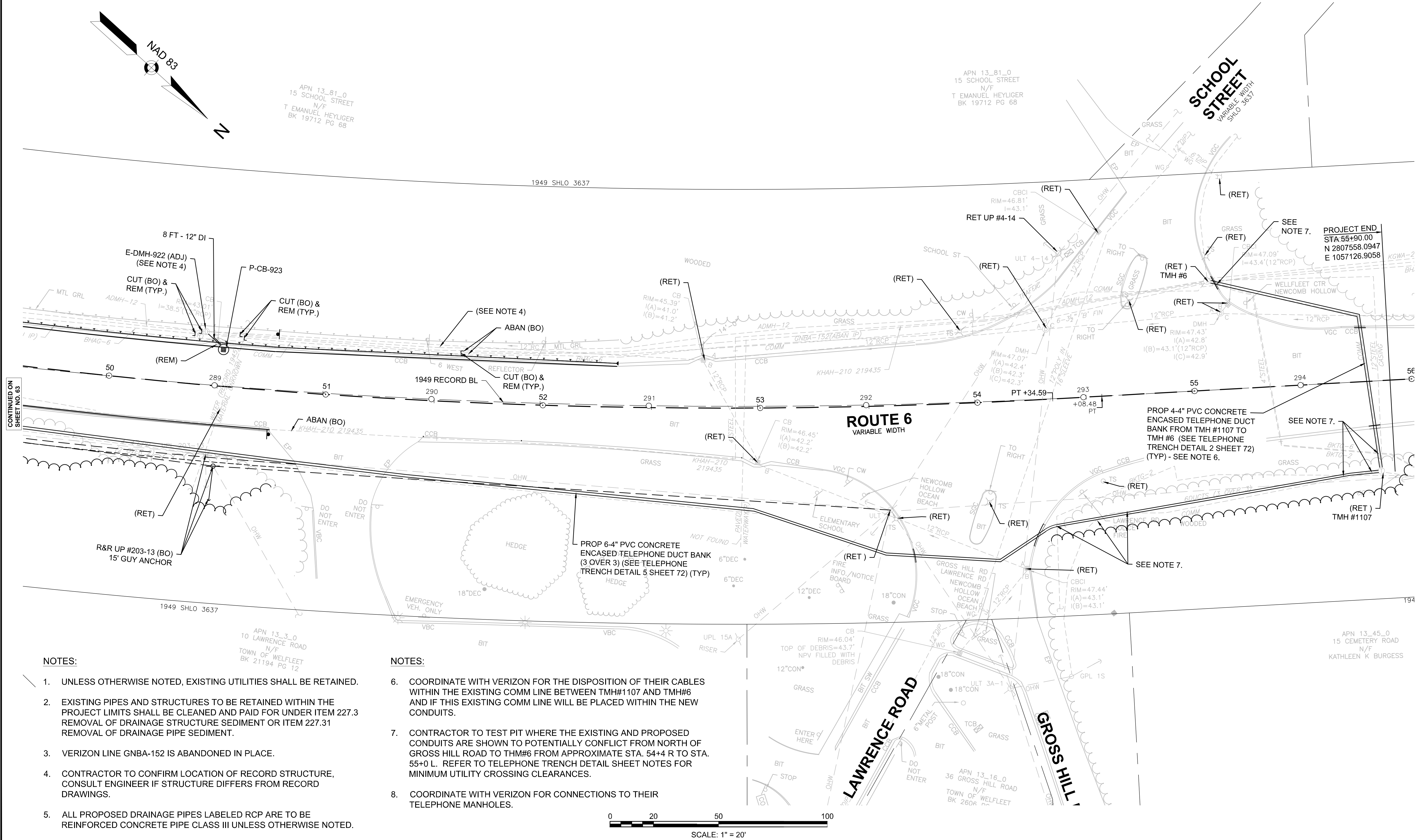
- UNLESS OTHERWISE NOTED, EXISTING UTILITIES SHALL BE RETAINED.
- EXISTING PIPES AND STRUCTURES TO BE RETAINED WITHIN THE PROJECT LIMITS SHALL BE CLEANED AND PAID FOR UNDER ITEM 227.3 REMOVAL OF DRAINAGE STRUCTURE SEDIMENT OR ITEM 227.31 REMOVAL OF DRAINAGE PIPE SEDIMENT.
- VERIZON LINE GNBA-152 IS ABANDONED IN PLACE.
- CONTRACTOR TO CONFIRM LOCATION OF RECORD STRUCTURE, CONSULT ENGINEER IF STRUCTURE DIFFERS FROM RECORD DRAWINGS.
- CONTRACTOR TO CONFIRM LOCATION AND DEPTH OF RECORD DRAINAGE, CONSULT ENGINEER IF DIFFERS FROM PLANS.
- ALL PROPOSED DRAINAGE PIPES LABELED RCP ARE TO BE REINFORCED CONCRETE PIPE CLASS III UNLESS OTHERWISE NOTED.



DRAINAGE STRUCTURE DATA					
NAME/TYPE	STATION	RIM EL.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
P-CB-923	50+51.64 LT 17.67	43.23		I=38.60 (E-DMH-922)	PROP CB, PROP MASSCASCAD F&G

WELLFLEET ROUTE 6 / MAIN STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	64	178
PROJECT FILE NO.		607397	

**DRAINAGE & UTILITY PLANS
PART 11 OF 11**



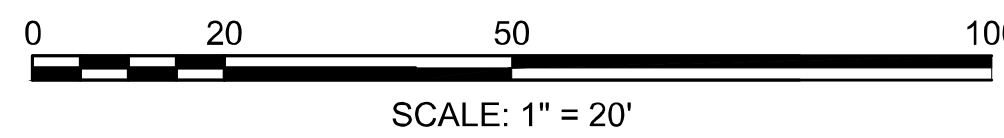
CONTINUED ON
SHEET NO. 63

NOTES:

1. UNLESS OTHERWISE NOTED, EXISTING UTILITIES SHALL BE RETAINED.
2. EXISTING PIPES AND STRUCTURES TO BE RETAINED WITHIN THE PROJECT LIMITS SHALL BE CLEANED AND PAID FOR UNDER ITEM 227.3 REMOVAL OF DRAINAGE STRUCTURE SEDIMENT OR ITEM 227.31 REMOVAL OF DRAINAGE PIPE SEDIMENT.
3. VERIZON LINE GNBA-152 IS ABANDONED IN PLACE.
4. CONTRACTOR TO CONFIRM LOCATION OF RECORD STRUCTURE, CONSULT ENGINEER IF STRUCTURE DIFFERS FROM RECORD DRAWINGS.
5. ALL PROPOSED DRAINAGE PIPES LABELED RCP ARE TO BE REINFORCED CONCRETE PIPE CLASS III UNLESS OTHERWISE NOTED.

NOTES:

6. COORDINATE WITH VERIZON FOR THE DISPOSITION OF THEIR CABLES WITHIN THE EXISTING COMM LINE BETWEEN TMH#1107 AND TMH#6 AND IF THIS EXISTING COMM LINE WILL BE PLACED WITHIN THE NEW CONDUITS.
7. CONTRACTOR TO TEST PIT WHERE THE EXISTING AND PROPOSED CONDUITS ARE SHOWN TO POTENTIALLY CONFLICT FROM NORTH OF GROSS HILL ROAD TO TMH#6 FROM APPROXIMATE STA. 54+4 R TO STA. 55+0 L. REFER TO TELEPHONE TRENCH DETAIL SHEET NOTES FOR MINIMUM UTILITY CROSSING CLEARANCES.
8. COORDINATE WITH VERIZON FOR CONNECTIONS TO THEIR TELEPHONE MANHOLES.



**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	65	178
PROJECT FILE NO.		607397	

**DRAINAGE PIPE TABLES
PART 1 OF 2**

PIPE TABLE					
PIPE	PIPE LOCATION	SIZE & TYPE	LENGTH	SLOPE	REMARKS
E-007	E-CB-175 TO E-OF-109 STA 17+50 TO 17+51	12 INCH CONCRETE PIPE	38 FT	0.226	(RET)
E-017	EXIST 36" CIP TO P-DMH-405 STA 32+29 TO 31+08	36 INCH DUCTILE IRON PIPE	120 FT	0.009	(RET)
E-021	E-CB-213 TO E-OF-216 STA 21+33 TO 21+73	12 INCH CONCRETE PIPE	47 FT	0.111	(RET)
E-038	E-DMH-400 TO E-HW STA 30+78 TO 30+83	12 INCH CONCRETE PIPE	13 FT	0.052	(REM)
E-043A	P-DMH-313 TO P-DMH-308 STA 30+84 TO 30+70	12 INCH CONCRETE PIPE	36 FT	0.025	(RET)
E-043B	STA 30+89 TO 30+84	12 INCH CONCRETE PIPE	14 FT	0.014	(REM)
E-044	P-DMH-406 TO E-OF-405 STA 101+75 TO 101+26	12 INCH CONCRETE PIPE	59 FT	0.002	(RET)
E-066	E-CB-613 TO E-OF-611 STA 36+09 TO 36+18	12 INCH CONCRETE PIPE	22 FT	0.091	(RET)
E-073	E-CB-702 TO E-OF-703 STA 36+51 TO 36+60	12 INCH CONCRETE PIPE	21 FT	0.062	(RET)
P-001	P-CBCI-100 TO P-DMH-102 STA 13+29 TO 13+83	12 INCH CONCRETE PIPE	55 FT	0.015	
P-002	P-CBCI-101 TO P-DMH-102 STA 13+80 TO 13+83	12 INCH CONCRETE PIPE	7 FT	0.009	
P-003	P-DMH-110 TO P-DMH-112 STA 14+43 TO 15+51	12 INCH CONCRETE PIPE	104 FT	0.020	
P-003A	P-DMH-112 TO P-DMH-105 STA 15+51 TO 16+25	12 INCH CONCRETE PIPE	70 FT	0.018	
P-004	P-CB-103 TO P-DMH-105 STA 16+16 TO 16+25	12 INCH CONCRETE PIPE	20 FT	0.025	
P-005	P-CBCI-104 TO P-DMH-105 STA 16+20 TO 16+25	12 INCH CONCRETE PIPE	9 FT	0.017	
P-006	P-DMH-105 TO P-DMH-107 STA 16+25 TO 17+05	12 INCH CONCRETE PIPE	76 FT	0.016	
P-007	P-CB-106 TO P-DMH-107 STA 16+88 TO 17+05	12 INCH CONCRETE PIPE	35 FT	0.005	CLASS V
P-008	P-CBCI-200 TO P-DMH-202 STA 18+67 TO 18+72	12 INCH CONCRETE PIPE	8 FT	0.009	
P-009	P-CB-201 TO P-DMH-202 STA 18+67 TO 18+72	12 INCH CONCRETE PIPE	19 FT	0.008	
P-010	P-DMH-202 TO P-DMH-203 STA 18+72 TO 19+87	12 INCH CONCRETE PIPE	111 FT	0.015	
P-011	P-DMH-203 TO P-DS-099A STA 19+87 TO 19+90	10 INCH DUCTILE IRON PIPE	28 FT	0.012	
P-011A	P-DS-099A TO PROP LG-1 STA 19+90 TO 20+11	10 INCH DUCTILE IRON PIPE	19 FT	0.022	
P-012	P-DMH-203 TO P-DMH-204 STA 19+87 TO 20+62	12 INCH CONCRETE PIPE	71 FT	0.015	
P-013	P-CBCI-205 TO P-DMH-204 STA 20+62 TO 20+62	12 INCH CONCRETE PIPE	21 FT	0.010	
P-014	P-DMH-204 TO P-DMH-209 STA 20+62 TO 21+23	12 INCH CONCRETE PIPE	57 FT	0.010	
P-015	P-CBCI-207 TO P-DMH-204 STA 20+61 TO 20+62	12 INCH CONCRETE PIPE	8 FT	0.009	
P-016	P-CB-206 TO P-DMH-226 STA 21+50 TO 21+53	12 INCH CONCRETE PIPE	8 FT	0.019	
P-017	P-CB-226 TO P-DMH-215 STA 21+75 TO 21+71	12 INCH CONCRETE PIPE	8 FT	0.011	
P-018	P-DMH-209 TO P-DMH-214 STA 21+23 TO 21+34	12 INCH CONCRETE PIPE	7 FT	0.016	
P-020	P-CB-212 TO P-DMH-209 STA 21+18 TO 21+23	12 INCH CONCRETE PIPE	9 FT	0.050	

PIPE TABLE					
PIPE	PIPE LOCATION	SIZE & TYPE	LENGTH	SLOPE	REMARKS
P-022	P-DMH-214 TO E-CB-213 STA 21+34 TO 21+33	12 INCH CONCRETE PIPE	11 FT	0.019	
P-023	P-DMH-215 TO P-DMH-226 STA 21+71 TO 21+53	12 INCH CONCRETE PIPE	14 FT	0.018	
P-025	P-DMH-217 TO P-DS-100A STA 23+10 TO 23+04	10 INCH DUCTILE IRON PIPE	7 FT	0.029	
P-025A	P-DS-100A TO PROP LG-2 STA 23+04 TO 22+67	10 INCH DUCTILE IRON PIPE	37 FT	0.014	
P-026	P-DMH-217 TO P-DMH-215 STA 23+10 TO 21+71	12 INCH CONCRETE PIPE	134 FT	0.010	
P-027	P-CB-219 TO P-DMH-217 STA 23+18 TO 23+10	12 INCH CONCRETE PIPE	10 FT	0.012	CLASS V
P-028	P-GJ-220 TO P-DS-218 STA 23+16 TO 23+13	12 INCH CONCRETE PIPE	14 FT	0.032	
P-029	P-CB-221 TO P-DMH-223 STA 24+79 TO 24+90	12 INCH CONCRETE PIPE	15 FT	0.010	
P-030	P-DMH-222 TO P-DMH-217 STA 24+87 TO 23+10	12 INCH CONCRETE PIPE	172 FT	0.012	
P-031	P-DMH-223 TO P-DMH-222 STA 24+90 TO 24+87	12 INCH CONCRETE PIPE	27 FT	0.012	
P-032	P-CBCI-225 TO P-DMH-222 STA 25+08 TO 24+87	12 INCH CONCRETE PIPE	20 FT	0.012	CLASS V
P-033	P-CB-224 TO P-DMH-223 STA 25+47 TO 24+90	12 INCH CONCRETE PIPE	53 FT	0.010	
P-034	P-CB-305 TO P-DMH-307 STA 30+33 TO 30+43	12 INCH CONCRETE PIPE	13 FT	0.012	
P-035	P-CBCI-306 TO P-DMH-307 STA 30+34 TO 30+43	12 INCH CONCRETE PIPE	29 FT	0.014	
P-036	P-DMH-307 TO P-DMH-308 STA 30+43 TO 30+70	12 INCH CONCRETE PIPE	23 FT	0.013	
P-037	P-DMH-308 TO P-OF-309A STA 30+70 TO 30+79	16 INCH DUCTILE IRON PIPE	49 FT	0.046	
P-039	P-CB-311 TO P-DMH-312 STA 31+21 TO 31+06	12 INCH CONCRETE PIPE	30 FT	0.010	CLASS V
P-040	P-CB-402 TO P-DMH-404 STA 31+25 TO 31+29	12 INCH CONCRETE PIPE	18 FT	0.011	CLASS V
P-041	P-DMH-404 TO P-DMH-308 STA 31+29 TO 30+70	12 INCH CONCRETE PIPE	58 FT	0.006	CLASS V
P-042	P-CBCI-403 TO P-DMH-404 STA 31+78 TO 31+29	12 INCH CONCRETE PIPE	48 FT	0.005	CLASS V
P-043	P-DMH-312 TO P-DMH-313 STA 31+06 TO 30+84	12 INCH CONCRETE PIPE	17 FT	0.010	
P-045	P-DMH-407 TO P-DS-101A STA 102+07 TO 102+05	10 INCH DUCTILE IRON PIPE	12 FT	0.017	
P-045A	P-DS-101A TO PROP LG-3 STA 102+05 TO 101+98	10 INCH DUCTILE IRON PIPE	5 FT	0.020	
P-046	P-DMH-407 TO P-DMH-406 STA 102+07 TO 101+75	12 INCH CONCRETE PIPE	28 FT	0.004	CLASS V
P-047	P-CB-600 TO P-DMH-602 STA 32+13 TO 32+30	12 INCH CONCRETE PIPE	17 FT	0.047	
P-048	P-CB-409 TO P-DMH-407 STA 102+14 TO 102+07	12 INCH CONCRETE PIPE	5 FT	0.004	CLASS V
P-049	P-CB-601 TO P-DMH-602 STA 32+14 TO 32+30	12 INCH CONCRETE PIPE	34 FT	0.012	
P-050	P-DMH-602 TO P-DMH-605 STA 32+30 TO 34+33	12 INCH CONCRETE PIPE	199 FT	0.011	
P-051	P-CB-408 TO P-DMH-414 STA 102+19 TO 102+19	12 INCH CONCRETE PIPE	8 FT	0.004	CLASS V
P-052	P-CB-412 TO P-DMH-410 STA 102+44 TO 102+58	12 INCH CONCRETE PIPE	15 FT	0.005	CLASS V

NOTES:

- DRAINAGE PIPE TABLES APPLY TO ROUTE 6 STA 12+85 - 39+25 AND MAIN STREET ONLY. PIPE INFORMATION OUTSIDE OF THESE LIMITS ARE CALLED OUT SEPARATELY ON THE PLANS.
- PROJECT WIDE, ALL PROPOSED DRAINAGE PIPES LABELED RCP ARE TO BE REINFORCED CONCRETE PIPE CLASS III UNLESS OTHERWISE NOTED.

**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/ST/P/AR-0035(052)X	66	178
PROJECT FILE NO.		607397	

**DRAINAGE PIPE TABLES
PART 2 OF 2**

PIPE TABLE					
PIPE	PIPE LOCATION	SIZE & TYPE	LENGTH	SLOPE	REMARKS
P-053	P-DMH-410 TO P-DMH-501 STA 102+58 TO 102+89	12 INCH CONCRETE PIPE	27 FT	0.004	CLASS V
P-054	P-CBCI-411 TO P-DMH-410 STA 102+42 TO 102+58	12 INCH CONCRETE PIPE	16 FT	0.004	CLASS V
P-055	P-DMH-501 TO P-OF-500 STA 102+89 TO 102+69	12 INCH DUCTILE IRON PIPE	28 FT	0.012	
P-056	P-DMH-502 TO P-DMH-501 STA 103+69 TO 102+89	12 INCH CONCRETE PIPE	76 FT	0.017	
P-057	P-CB-503 TO P-DMH-502 STA 103+73 TO 103+69	12 INCH CONCRETE PIPE	5 FT	0.020	
P-058	P-CB-603 TO P-DMH-605 STA 34+25 TO 34+33	12 INCH CONCRETE PIPE	28 FT	0.009	CLASS V
P-059	P-CBCI-604 TO P-DMH-605 STA 34+27 TO 34+33	12 INCH CONCRETE PIPE	9 FT	0.033	
P-060	P-DMH-605 TO P-DMH-606 STA 34+33 TO 34+61	12 INCH CONCRETE PIPE	25 FT	0.022	CLASS V
P-061	P-CB-504 TO P-DMH-502 STA 103+73 TO 103+69	12 INCH CONCRETE PIPE	12 FT	0.017	
P-062	P-DMH-606 TO P-DMH-607 STA 34+61 TO 35+89	12 INCH CONCRETE PIPE	124 FT	0.008	CLASS V
P-063	P-DMH-606 TO P-DS-102A STA 34+61 TO 34+59	10 INCH DUCTILE IRON PIPE	31 FT	0.012	
P-063A	P-DS-102A TO PROP LG-4 STA 34+59 TO 34+67	10 INCH DUCTILE IRON PIPE	6 FT	0.023	
P-067	P-CBCI-609 TO P-DMH-607 STA 35+86 TO 35+89	12 INCH CONCRETE PIPE	9 FT	0.023	
P-069	P-DMH-505 TO P-DMH-502 STA 106+12 TO 103+69	12 INCH CONCRETE PIPE	239 FT	0.038	
P-070	P-CB-506 TO P-DMH-505 STA 106+24 TO 106+12	12 INCH CONCRETE PIPE	9 FT	0.017	
P-071	P-CB-700 TO P-DMH-709 STA 36+30 TO 36+46	12 INCH CONCRETE PIPE	12 FT	0.005	CLASS V
P-072	P-CB-701 TO E-CB-702 STA 36+24 TO 36+51	12 INCH CONCRETE PIPE	24 FT	0.007	CLASS V
P-074	P-CB-507 TO P-DMH-505 STA 106+24 TO 106+12	12 INCH CONCRETE PIPE	17 FT	0.015	
P-075	P-DMH-709 TO E-CB-702 STA 36+46 TO 36+51	12 INCH CONCRETE PIPE	27 FT	0.050	
P-077	P-DMH-705 TO E-CB-702 STA 37+27 TO 36+51	12 INCH CONCRETE PIPE	72 FT	0.010	
P-079	P-DMH-706 TO P-DMH-705 STA 39+03 TO 37+27	12 INCH CONCRETE PIPE	171 FT	0.013	
P-080	P-CB-707 TO P-DMH-706 STA 39+06 TO 39+03	12 INCH CONCRETE PIPE	4 FT	0.020	CLASS V
P-081	P-CBCI-708 TO P-DMH-706 STA 39+07 TO 39+03	12 INCH CONCRETE PIPE	22 FT	0.027	
P-082	P-CB-608 TO E-CB-613 STA 36+03 TO 36+09	12 INCH CONCRETE PIPE	3 FT	0.010	
P-086	P-DMH-304 TO P-DMH-307 STA 29+51 TO 30+43	12 INCH CONCRETE PIPE	87 FT	0.013	
P-087	P-CB-303 TO P-DMH-304 STA 29+45 TO 29+51	12 INCH CONCRETE PIPE	10 FT	0.015	
P-088	P-CBCI-302 TO P-DMH-304 STA 29+45 TO 29+51	12 INCH CONCRETE PIPE	29 FT	0.013	
P-090	P-CB-300 TO P-DMH-301 STA 27+83 TO 27+97	12 INCH CONCRETE PIPE	24 FT	0.013	
P-091	P-DS-218 TO P-DMH-217 STA 23+13 TO 23+10	12 INCH CONCRETE PIPE	11 FT	0.045	
P-092	P-DMH-226 TO P-DMH-214 STA 21+53 TO 21+34	12 INCH CONCRETE PIPE	16 FT	0.009	

PIPE TABLE					
PIPE	PIPE LOCATION	SIZE & TYPE	LENGTH	SLOPE	REMARKS
P-094	P-CBCI-210 TO P-DMH-209 STA 21+19 TO 21+23	12 INCH CONCRETE PIPE	22 FT	0.005	CLASS V
P-095A	P-CBCI-710 TO P-DMH-709 STA 36+58 TO 36+46	12 INCH CONCRETE PIPE	9 FT	0.007	CLASS V
P-096	P-DMH-107 TO P-DMH-108 STA 17+05 TO 17+51	12 INCH CONCRETE PIPE	41 FT	0.015	
P-097	P-DMH-607 TO E-CB-613 STA 35+89 TO 36+09	12 INCH CONCRETE PIPE	25 FT	0.034	
P-098	P-DMH-709 TO P-DS-709A STA 36+46 TO 36+46	10 INCH DUCTILE IRON PIPE	5 FT	0.006	
P-098A	P-GI-227 TO P-DS-228 STA 21+81 TO 21+76	12 INCH CONCRETE PIPE	12 FT	0.006	CLASS V
P-098B	P-DS-228 TO P-DMH-215 STA 21+76 TO 21+71	12 INCH CONCRETE PIPE	11 FT	0.008	
P-099	P-DMH-108 TO E-CB-175 STA 17+51 TO 17+50	12 INCH DUCTILE IRON PIPE	25 FT	0.016	
P-100	P-DMH-301 TO P-DMH-304 STA 27+97 TO 29+51	12 INCH CONCRETE PIPE	150 FT	0.012	
P-101	P-DS-709A TO PROP LC-5 STA 36+46 TO 36+42	10 INCH DUCTILE IRON PIPE	11 FT	0.005	
P-105	P-CB-800 TO P-DS-802 STA 21+66 TO 21+91	10 INCH DUCTILE IRON PIPE	22 FT	0.006	
P-106	P-CB-801 TO P-DS-802 STA 22+06 TO 21+91	10 INCH DUCTILE IRON PIPE	11 FT	0.005	
P-108	P-CB-803 TO P-DS-804 STA 22+71 TO 22+85	10 INCH DUCTILE IRON PIPE	11 FT	0.006	
P-111	P-CB-714 TO P-DMH-705 STA 37+29 TO 37+27	12 INCH CONCRETE PIPE	7 FT	0.009	
P-112	P-DMH-102 TO P-DMH-110 STA 13+83 TO 14+43	12 INCH CONCRETE PIPE	56 FT	0.014	
P-113	P-CBCI-109 TO P-DMH-110 STA 14+41 TO 14+43	12 INCH CONCRETE PIPE	6 FT	0.017	
P-114	P-DMH-405 TO P-OF-309 STA 31+08 TO 30+91	36 INCH DUCTILE IRON PIPE	20 FT	0.003	
P-117A	P-DS-806 TO PROP LG-7 STA 23+54 TO 23+44	10 INCH DUCTILE IRON PIPE	8 FT	0.006	
P-118A	P-DS-802 TO PROP LG-6 STA 21+91 TO 21+91	10 INCH DUCTILE IRON PIPE	6 FT	0.005	
P-119A	P-DS-804 TO PROP LG-7 STA 22+85 TO 23+25	10 INCH DUCTILE IRON PIPE	39 FT	0.007	
P-120A	P-CB-805 TO P-DS-806 STA 23+86 TO 23+54	10 INCH DUCTILE IRON PIPE	28 FT	0.015	
P-121	P-CB-704 TO P-DMH-706 STA 40+05 TO 39+03	12 INCH CONCRETE PIPE	98 FT	0.026	
P-122	P-CB-111 TO P-DMH-112 STA 15+43 TO 15+51	12 INCH CONCRETE PIPE	29 FT	0.005	
P-123	P-CB-413 TO P-DMH-414 STA 32+40 TO 32+42	12 INCH CONCRETE PIPE	10 FT	0.004	CLASS V
P-124	P-DMH-414 TO P-DMH-407 STA 32+42 TO 32+28	12 INCH CONCRETE PIPE	9 FT	0.004	CLASS V
P-125	P-CBCI-711 TO P-DMH-705 STA 37+27 TO 37+27	12 INCH CONCRETE PIPE	22 FT	0.006	
P-126	P-CB-208 TO P-DMH-211 STA 18+33 TO 18+45	12 INCH CONCRETE PIPE	32 FT	0.005	
P-127	P-DMH-211 TO P-DMH-202 STA 18+45 TO 18+72	12 INCH CONCRETE PIPE	23 FT	0.010	

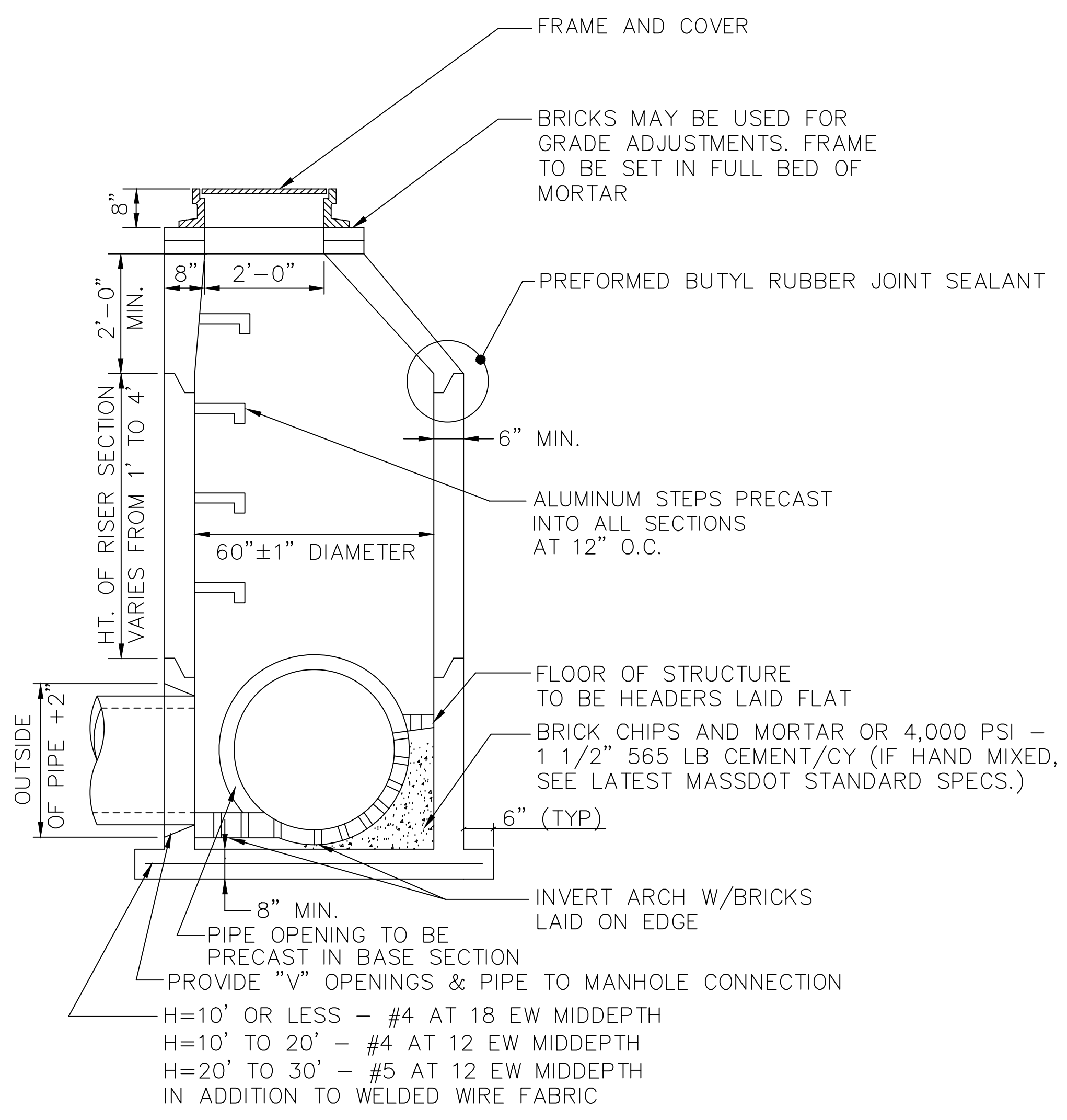
NOTES:

- DRAINAGE PIPE TABLES APPLY TO ROUTE 6 STA 12+85 - 39+25 AND MAIN STREET ONLY. PIPE INFORMATION OUTSIDE OF THESE LIMITS ARE CALLED OUT SEPARATELY ON THE PLANS.
- PROJECT WIDE, ALL PROPOSED DRAINAGE PIPES LABELED RCP ARE TO BE REINFORCED CONCRETE PIPE CLASS III UNLESS OTHERWISE NOTED.

WELLFLEET
ROUTE 6 / MAIN STREET

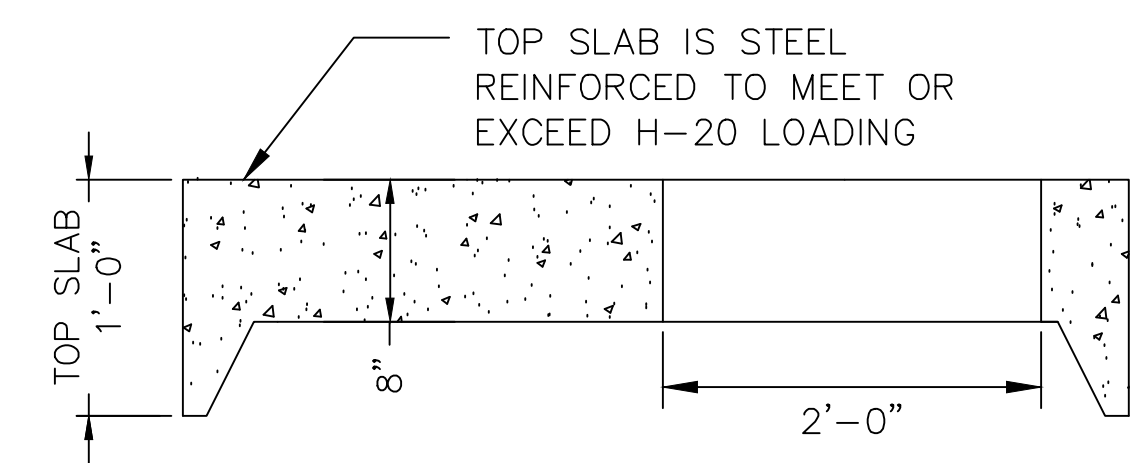
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	67	178
PROJECT FILE NO.		607397	

DRAINAGE DETAILS
PART 1 OF 5

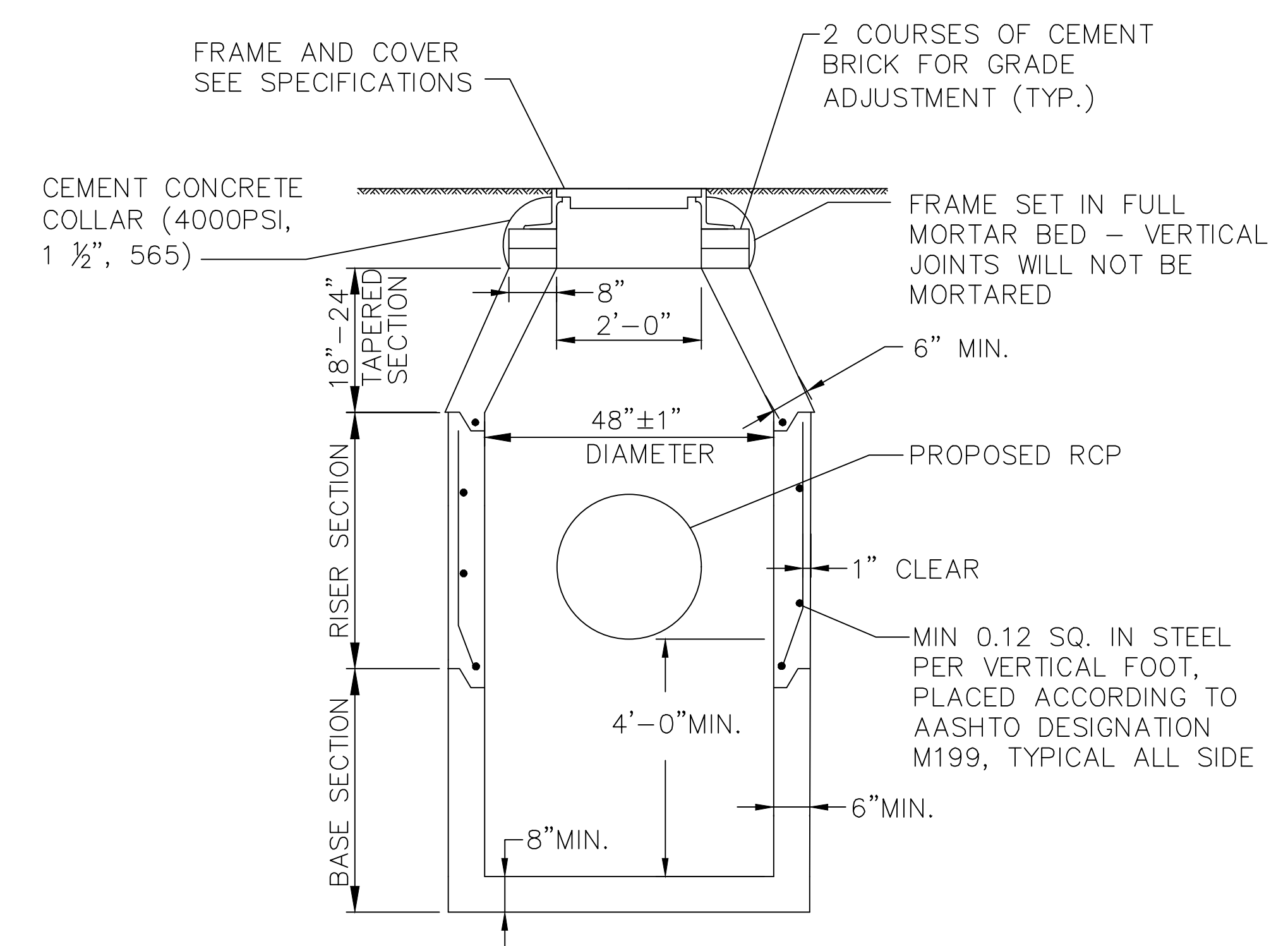


NOTES:
1. 0.12 SQ. IN./LIN. FT. REINFORCEMENT IN ALL SECTIONS.

SPECIAL MANHOLE - 5' DIAMETER
NOT TO SCALE

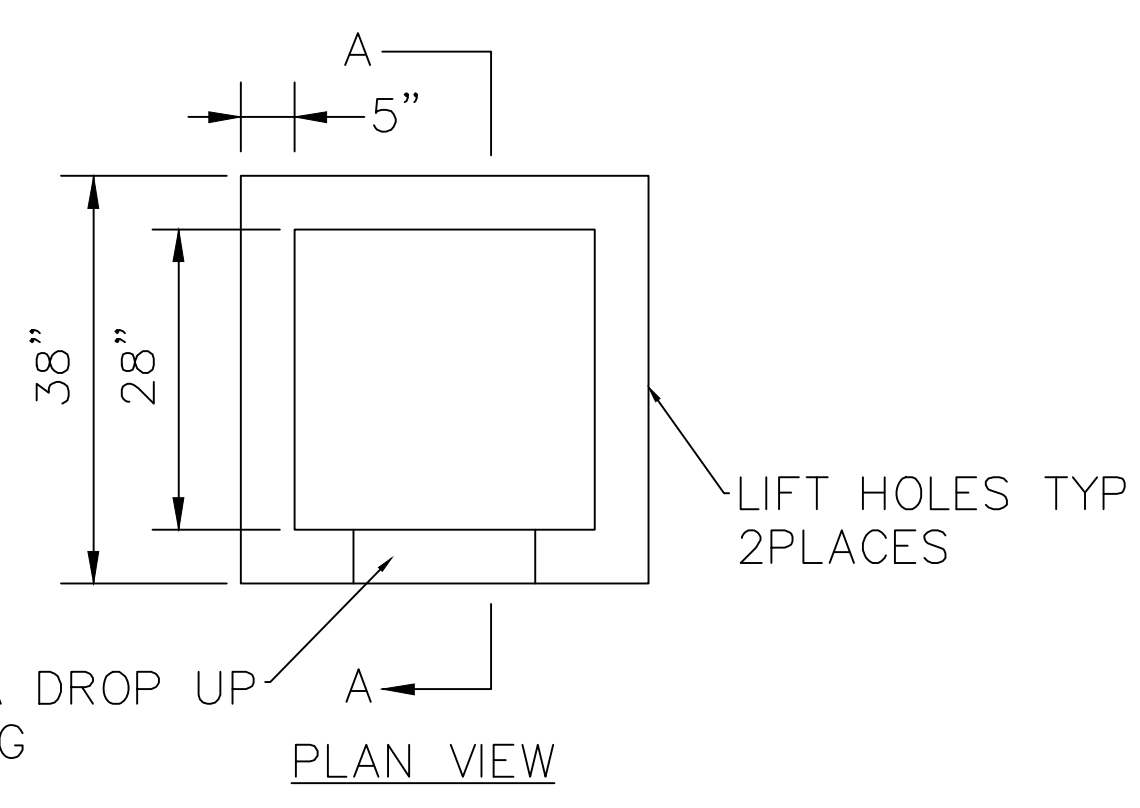


OFFSET TOP SLAB CATCH BASIN OPENING
NOT TO SCALE

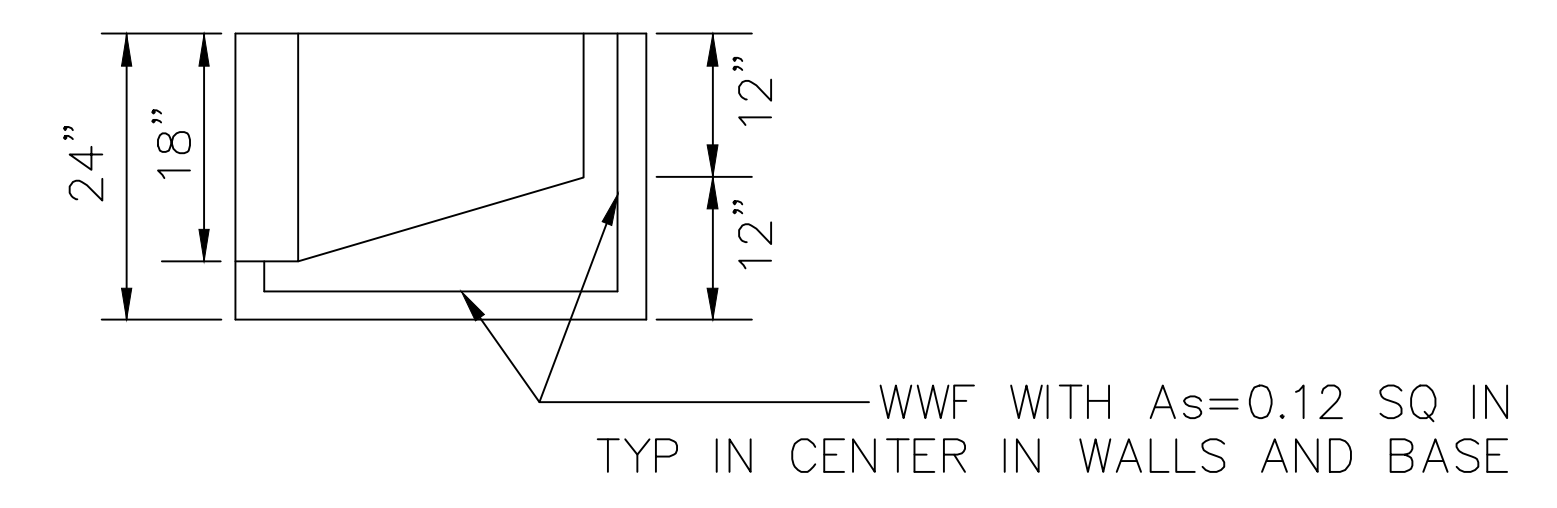
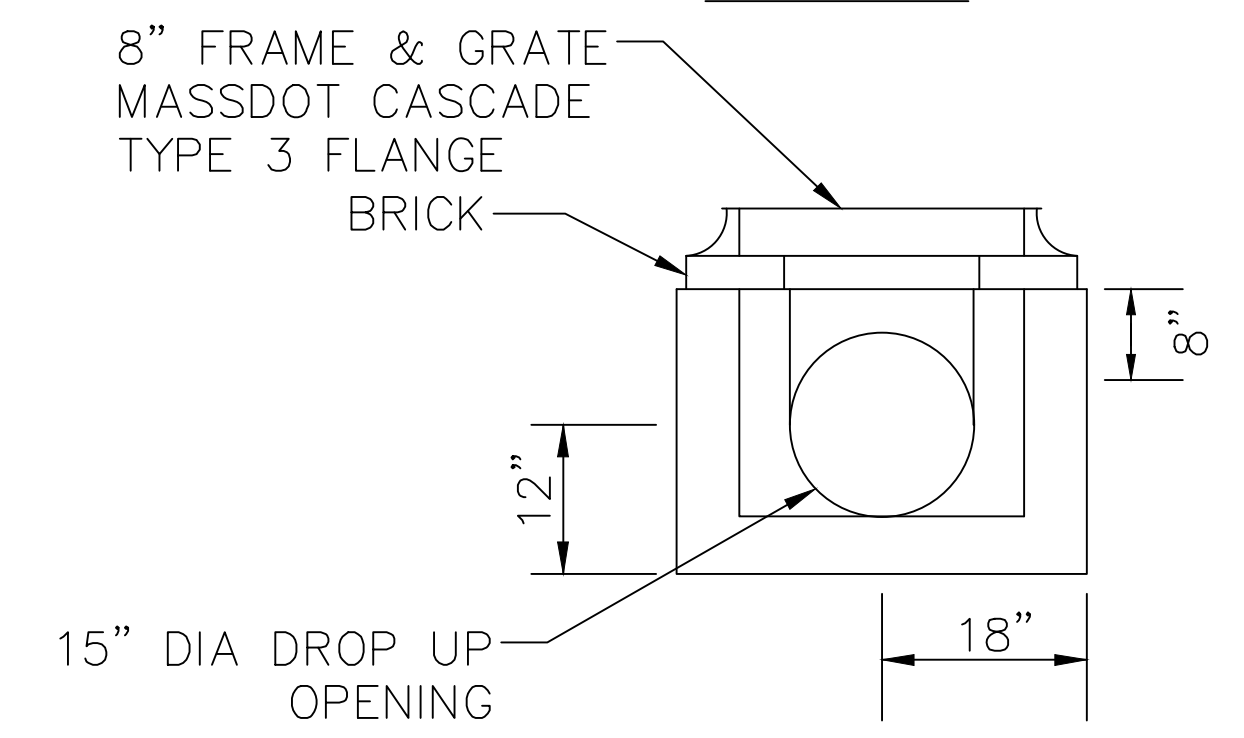


NOTE:
ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING

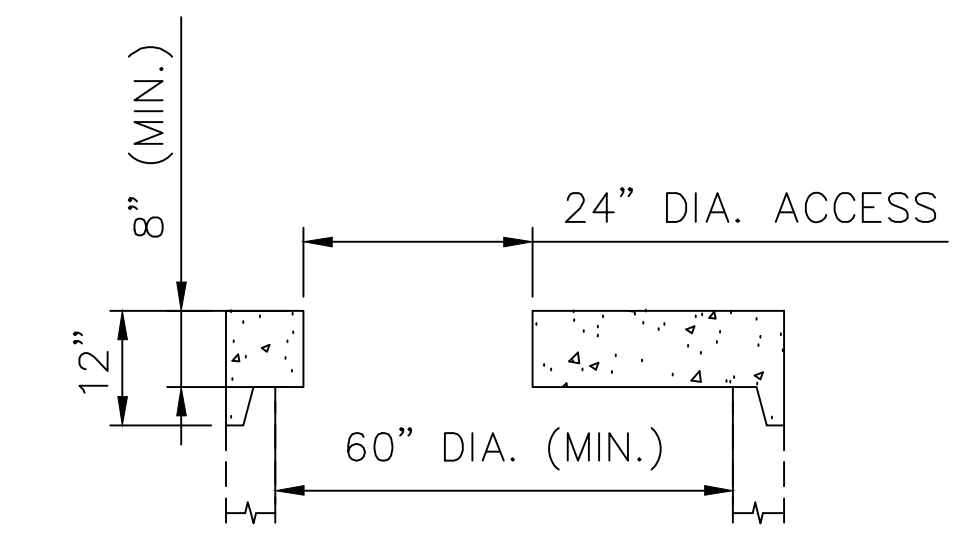
SPECIAL MANHOLE - DEEP SUMP
NOT TO SCALE



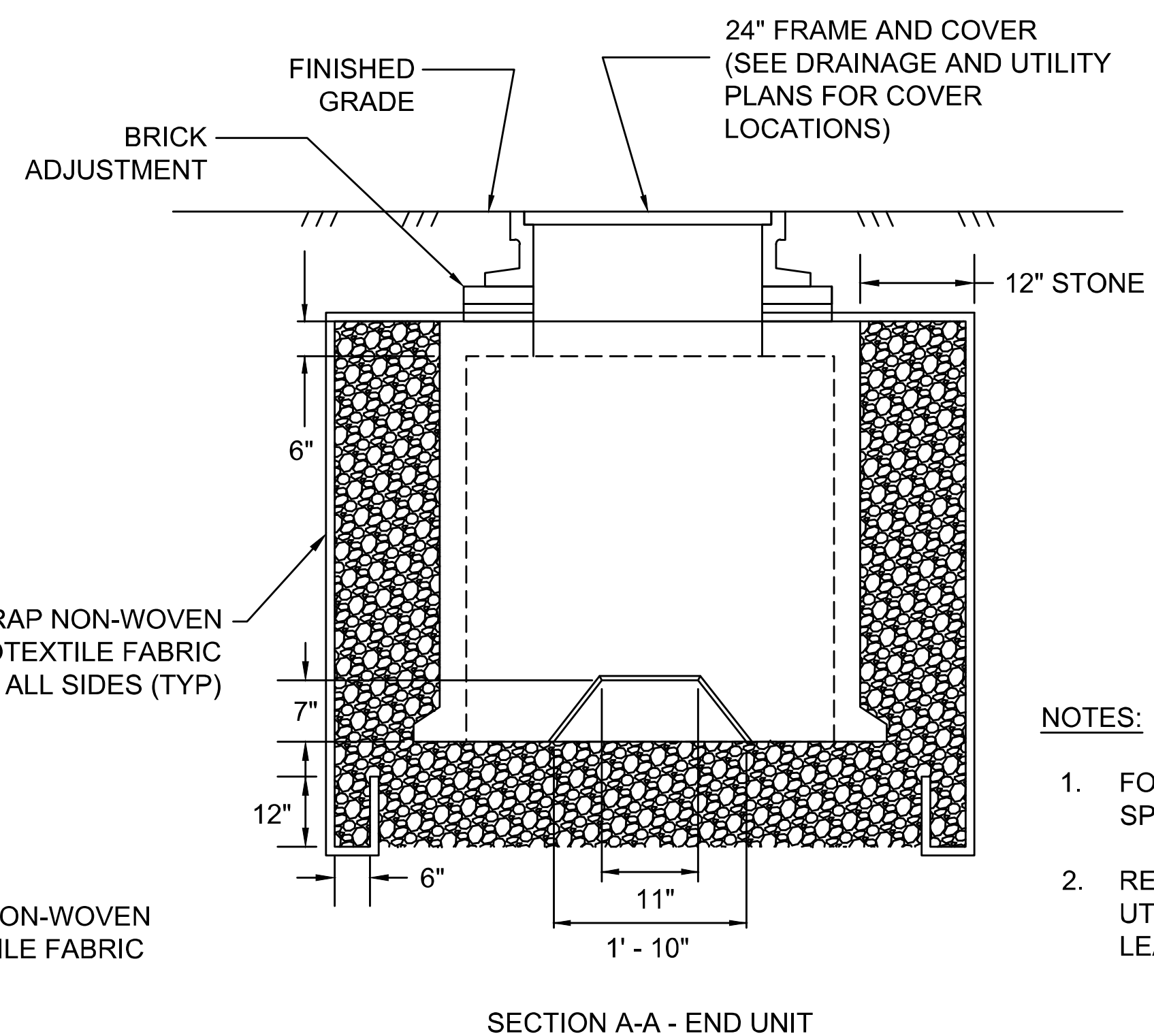
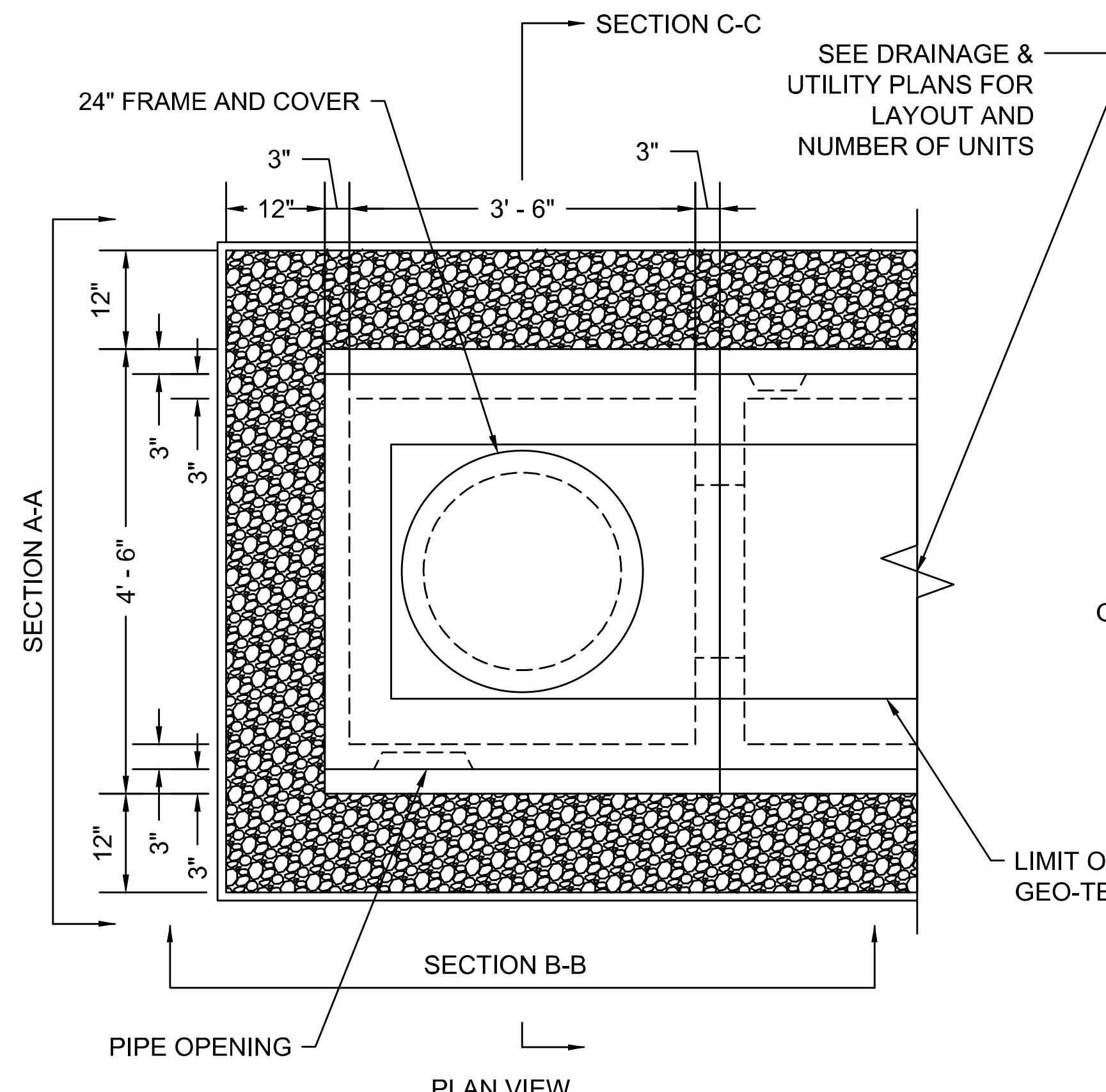
NOTES:
1. DESIGNED FOR AASHTO HS-20 LOADING.
2. CONCRETE STRENGTH $f_c = 4000$ PSI.
3. REINFORCING STEEL ASTM A185 (WWF) $f_y = 6000$ PSI.
4. CURB INLETS ARE REQUIRED WHEN GUTTER INLETS ARE INSTALLED AGAINST CURBING.



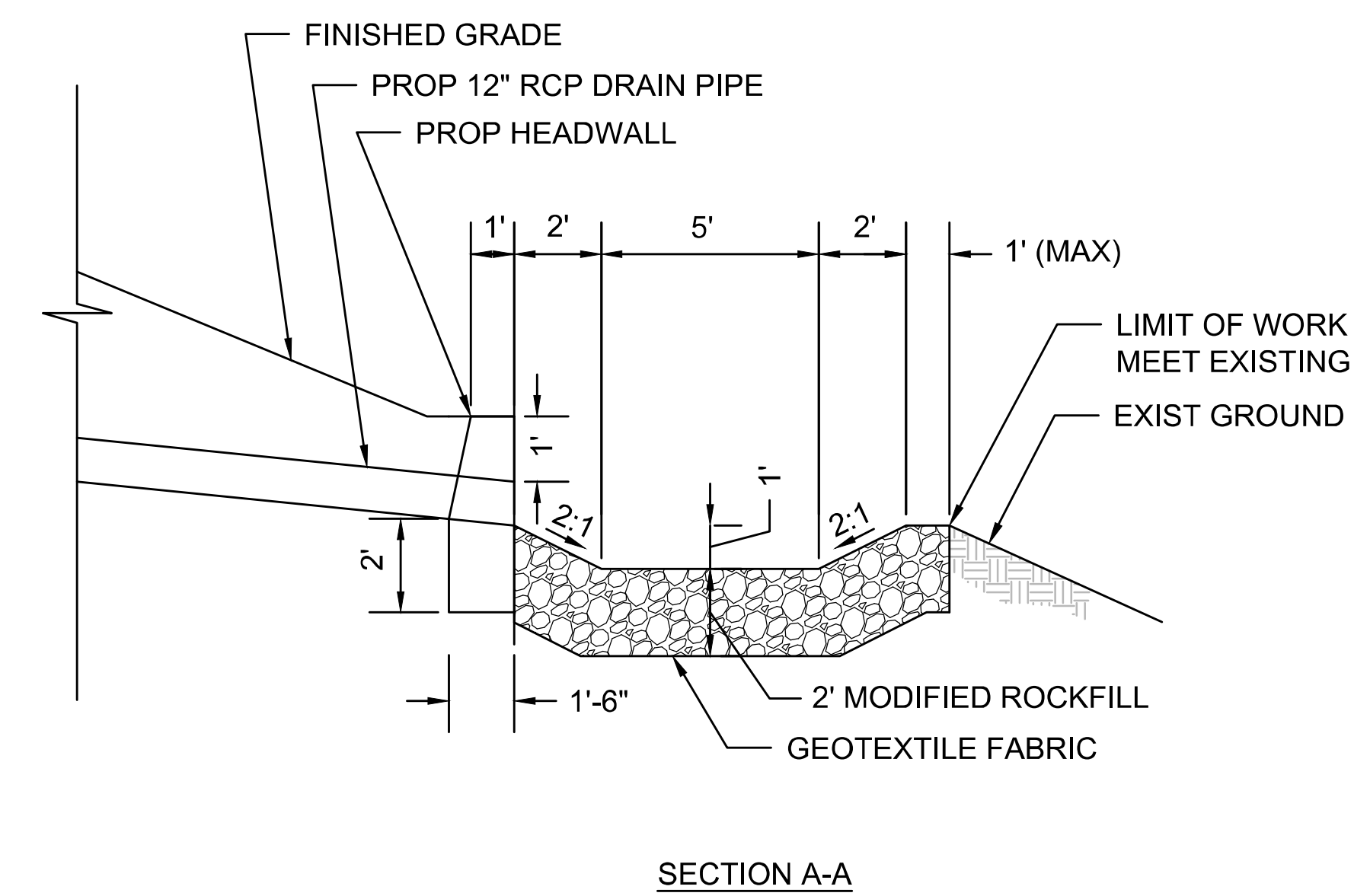
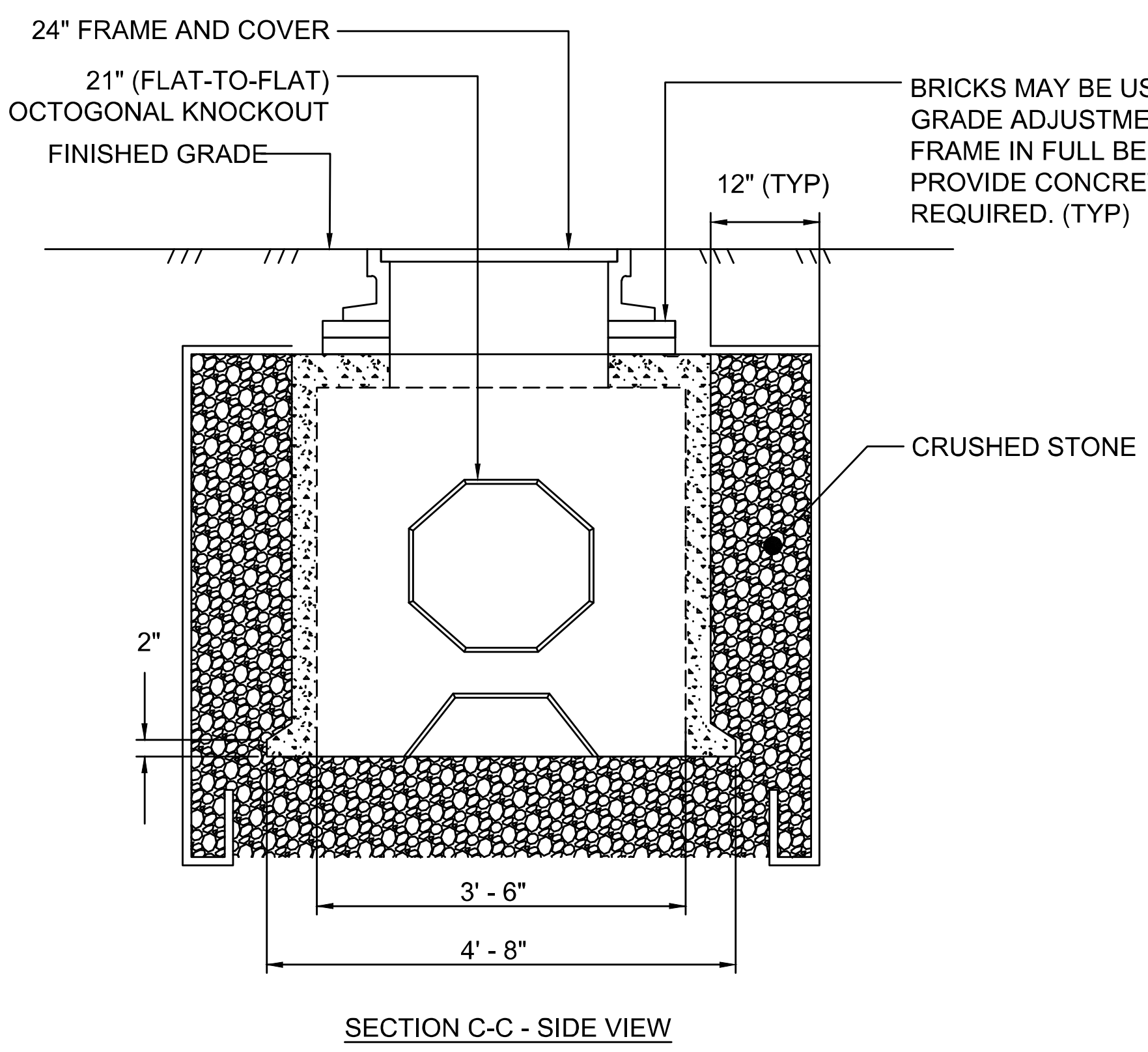
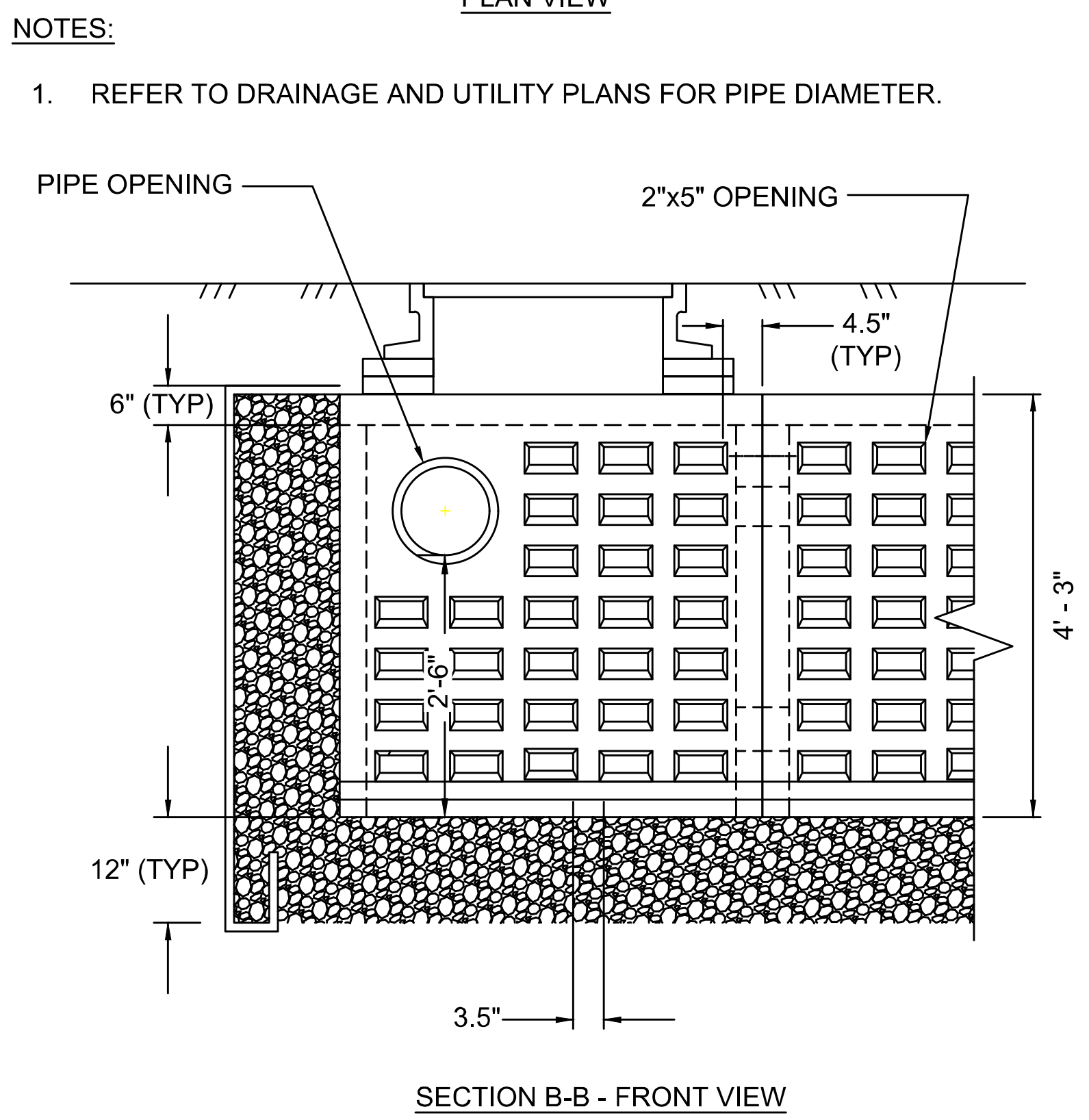
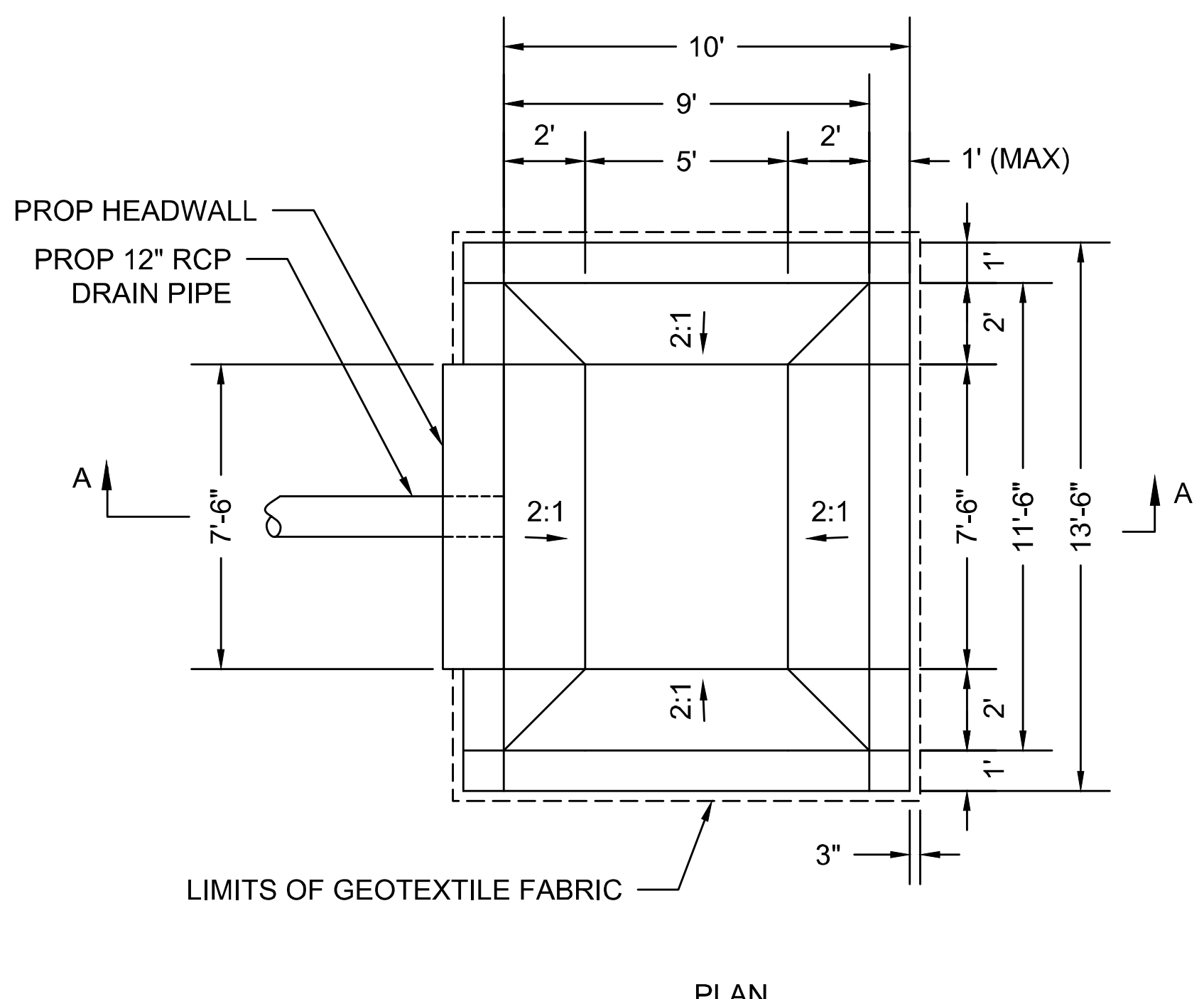
GUTTER INLET - SPECIAL
NOT TO SCALE



OPTIONAL OFFSET TOP SLAB MANHOLE OPENING
NOT TO SCALE



- NOTES:**
- FOR REFERENCE SEE SPECIFICATION 205.1
 - REFER TO DRAINAGE AND UTILITY PLANS FOR LAYOUT OF LEACHING GALLEY SYSTEM



NOTE:
THE PROP HEADWALL SHALL BE INSTALLED IN ACCORDANCE WITH MASSDOT STANDARD E 206.4.0.

PROP PLUNGE POOL
MAIN STREET STA 102+67.27, 26.54 LT TO STA 102+71.00, 29.83 LT

LEACHING GALLEY SYSTEM TABLE										
LG #	RIM ELEVATION (VARIES)	START STATION	OFFSET	END STATION	OFFSET	LENGTH (FT)	WIDTH (FT)	INVERT IN	ITEM 205.1 PRECAST LEACHING GALLEY (EA)	ITEM 221. FRAME AND COVER (EA)
1	14.65'	20+10.40	32.68 RT	20+50.40	32.83 RT	40	10	9.94'	20	6
2	15.00'	22+51.08	25.93 RT	22+67.21	26.00 RT	16	10	10.20'	8	4
3	10.33'	101+87.73	27.24 LT	101+98.77	26.13 LT	12	4.5	6.50'	3	1
4	10.38'	34+66.67	37.99 RT	34+82.47	37.95 RT	16	10	5.86'	8	4
6	14.68'	21+89.26	47.80 LT	21+99.11	47.83 LT	10	8	9.94'	4	2
7	16.60'	23+24.91	37.67 LT	23+44.67	37.92 LT	20	10	11.42'	10	4

LEACHING GALLEY
NOT TO SCALE

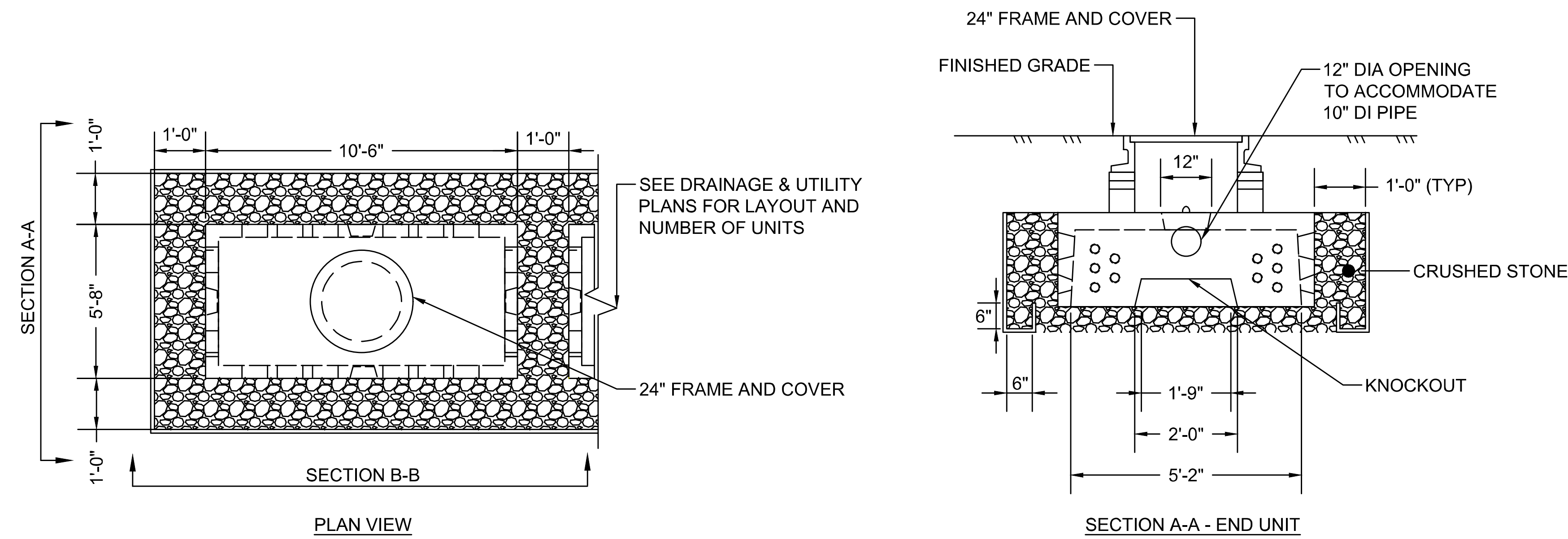
* DIMENSION AND STATIONS REFER TO EDGE OF LEACHING GALLEY STRUCTURE.

PLUNGE POOL DETAIL
NOT TO SCALE

**WELLFLEET
ROUTE 6 / MAIN STREET**

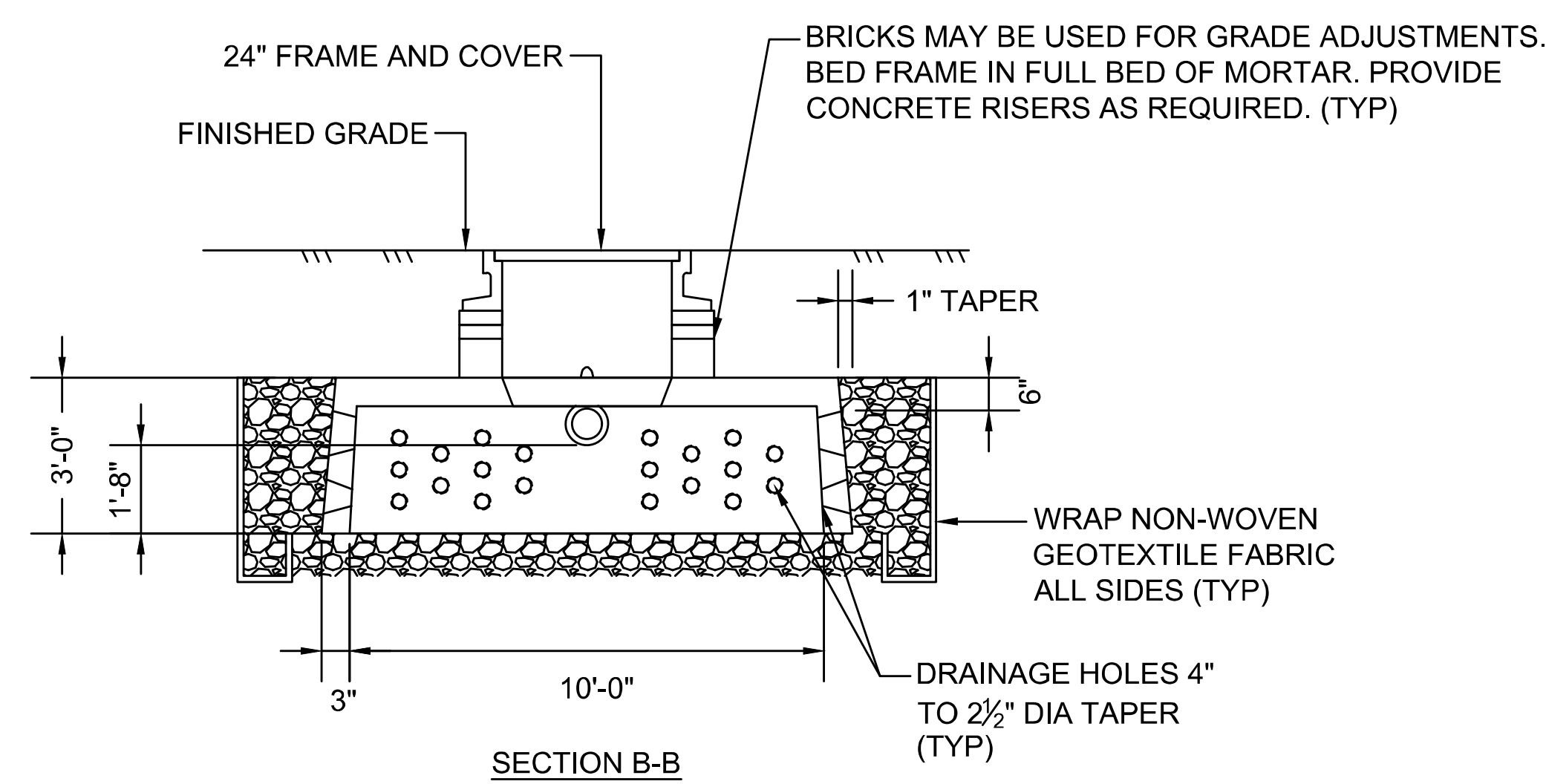
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	69	178
PROJECT FILE NO.		607397	

**DRAINAGE DETAILS
PART 3 OF 5**



NOTES:

1. REFER TO DRAINAGE AND UTILITY PLANS FOR PIPE DIAMETER.



NOTES:

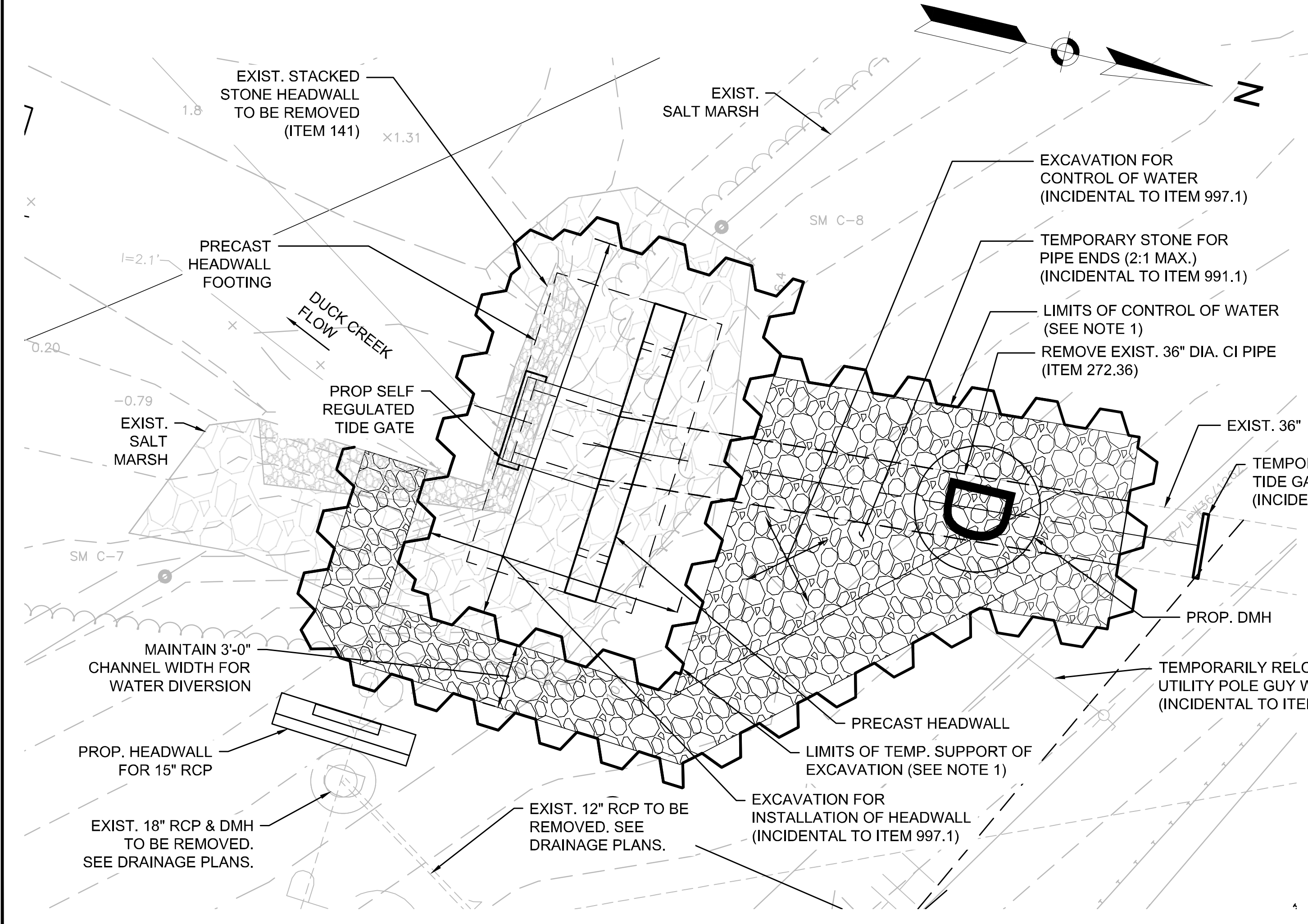
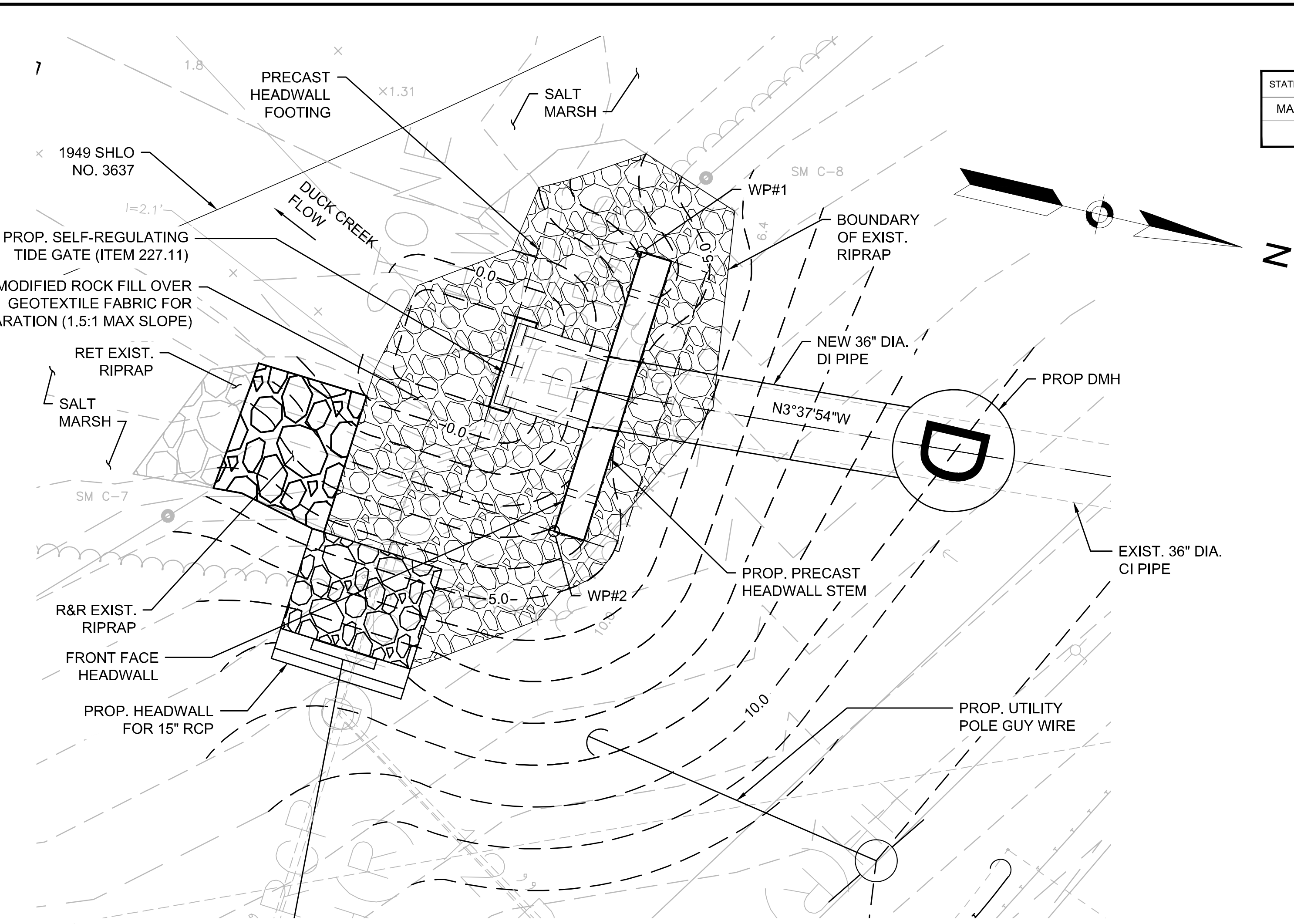
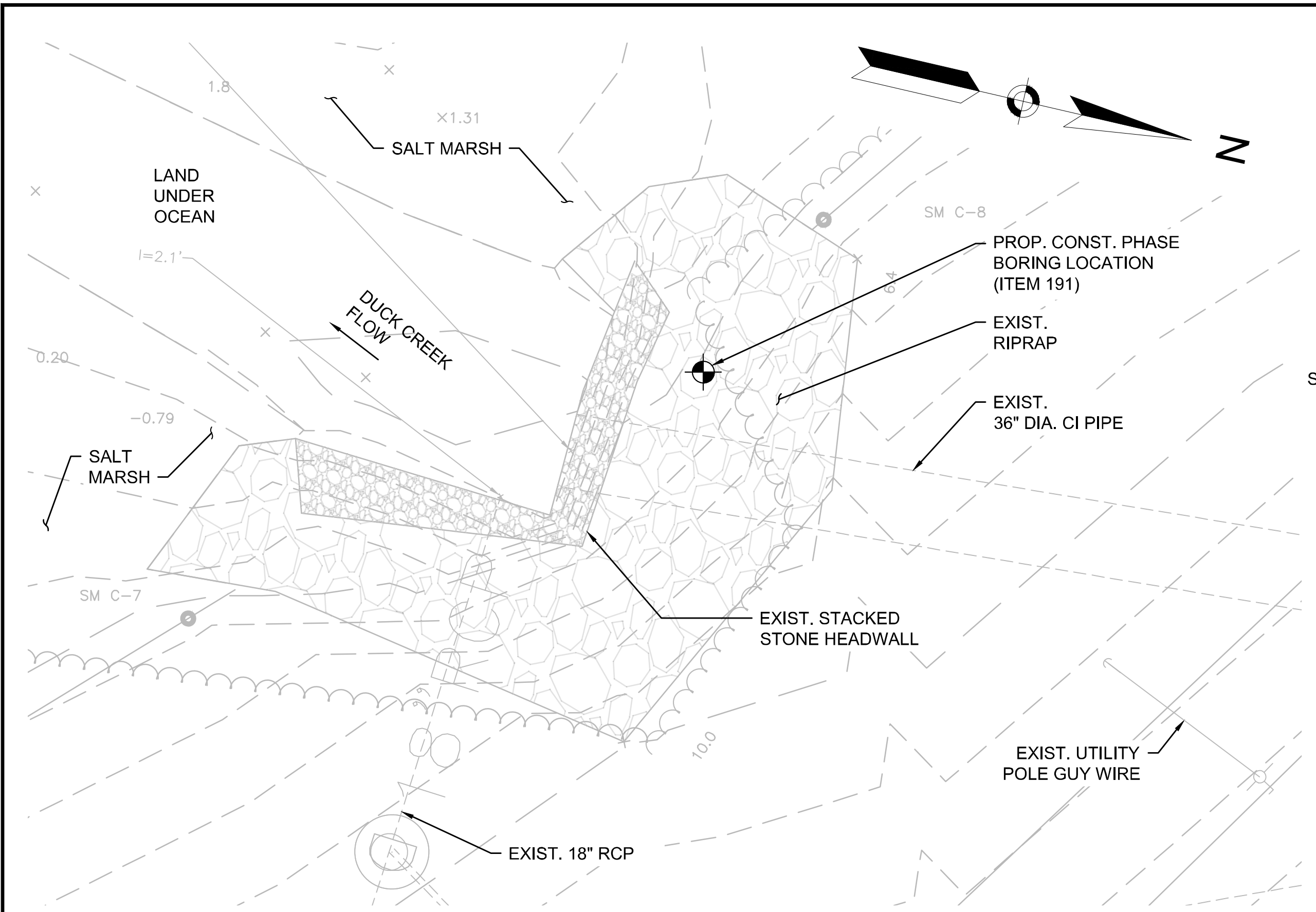
1. FOR REFERENCE SEE SPECIFICATION 205.2
2. REFER TO DRAINAGE AND UTILITY PLANS FOR LAYOUT OF LEACHING CHAMBER SYSTEM

LC #	RIM ELEVATION (VARIES)	START STATION	OFFSET	END STATION	OFFSET	LENGTH (FT)	WIDTH (FT)	INVERT IN	ITEM 205.2 PRECAST LEACHING CHAMBER (EA)	ITEM 221. FRAME AND COVER (EA)
5	10.14'	36+39.10	36.49 RT	36+44.69	36.49 RT	10.5	5.67	5.75'	1	1

**LEACHING CHAMBER
NOT TO SCALE**

* DIMENSION AND STATIONS REFER TO
EDGE OF LEACHING CHAMBER STRUCTURE.

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSIST/P1AP-0035(052)X	70	178
PROJECT FILE NO.		607397	

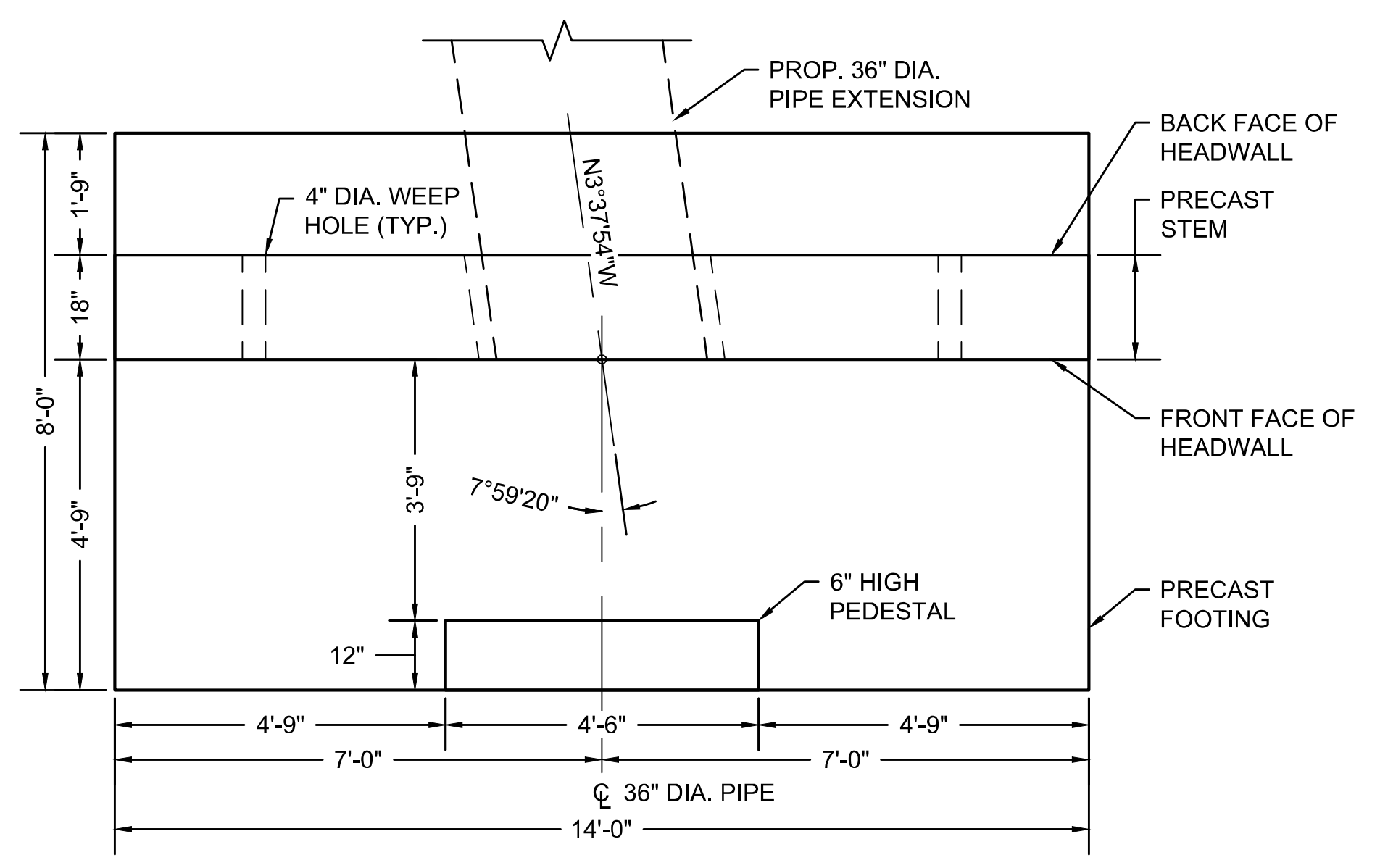
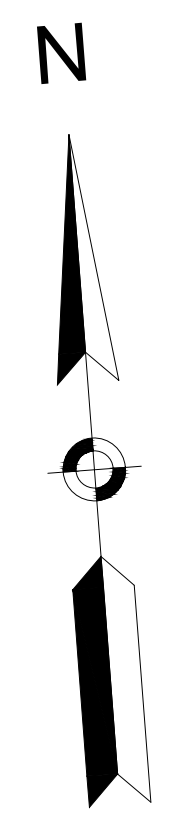


WORKING POINT (WP)	STATION (MAIN ST.)	OFFSET, LEFT (FT)	NORTHING	EASTING
#1	100+70.46	64.89	2805521.30	1058388.78
#2	100+58.84	63.43	2805520.23	1058402.74

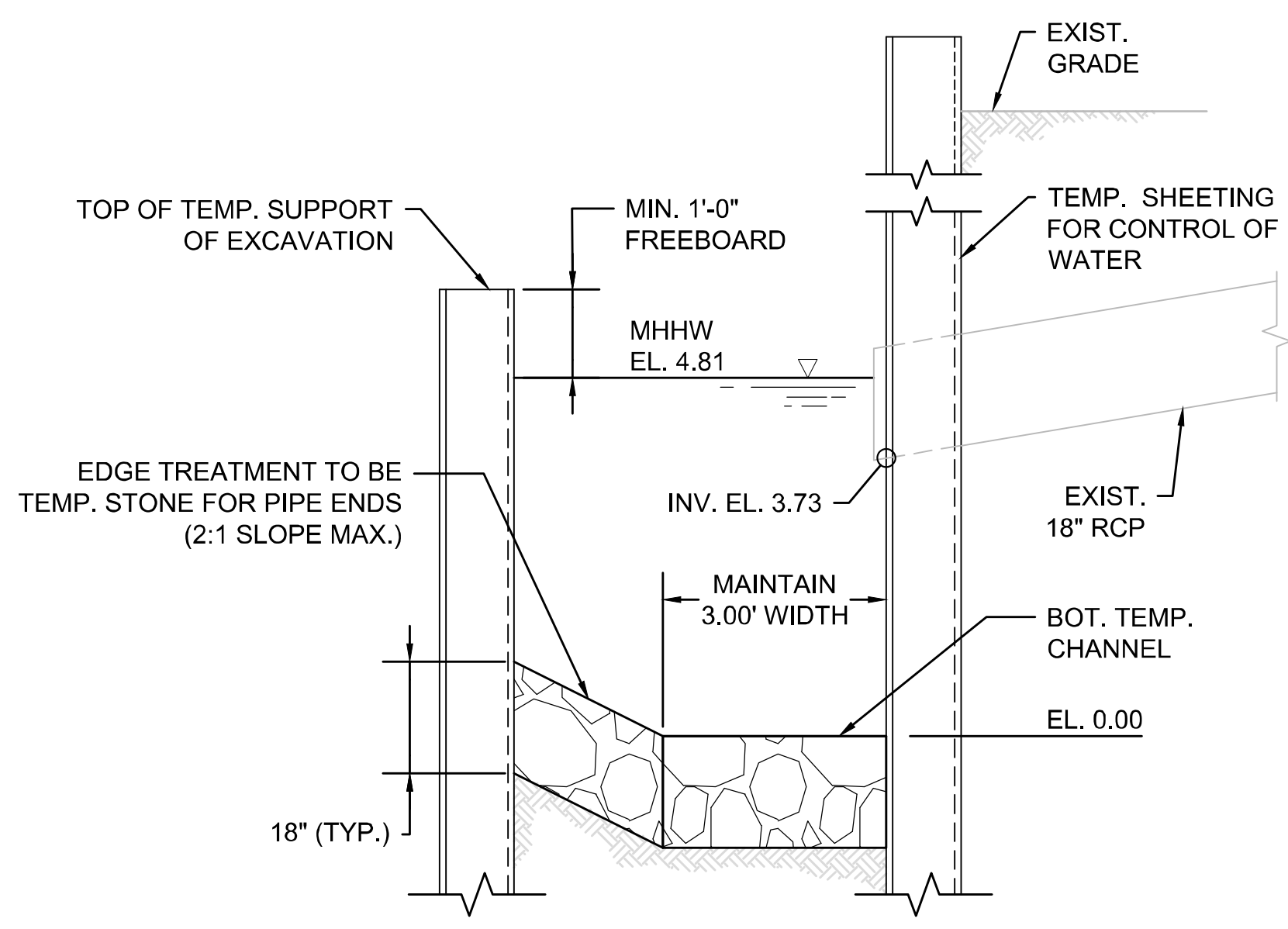
NOTES:

1. THE LIMITS OF TEMPORARY EXCAVATION AND CONTROL OF WATER ARE SHOWN FOR BIDDING PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SEQUENCE USED AND THE DESIGN OF ALL TEMPORARY WORKS AS REQUIRED BY THE CONTRACTOR'S MEANS AND METHODS. CONTROL OF WATER & TEMPORARY SUPPORT EXCAVATION SHALL BE PAID FOR UNDER ITEM 991.1.
2. THE EXISTING TIDE GATE SHALL BE REMOVED AND TEMPORARILY RELOCATED TO THE LIMIT OF EXISTING PIPE TO REMAIN FOR THE DURATION OF THE CONTROL OF WATER WORK. PRIOR TO INSTALLING THE NEW SECTION OF PIPE, THE EXISTING TIDE GATE SHALL BE REMOVED AND DISCARDED.

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/ST/P/TA/0035(052)X	71	178
PROJECT FILE NO.		607397	



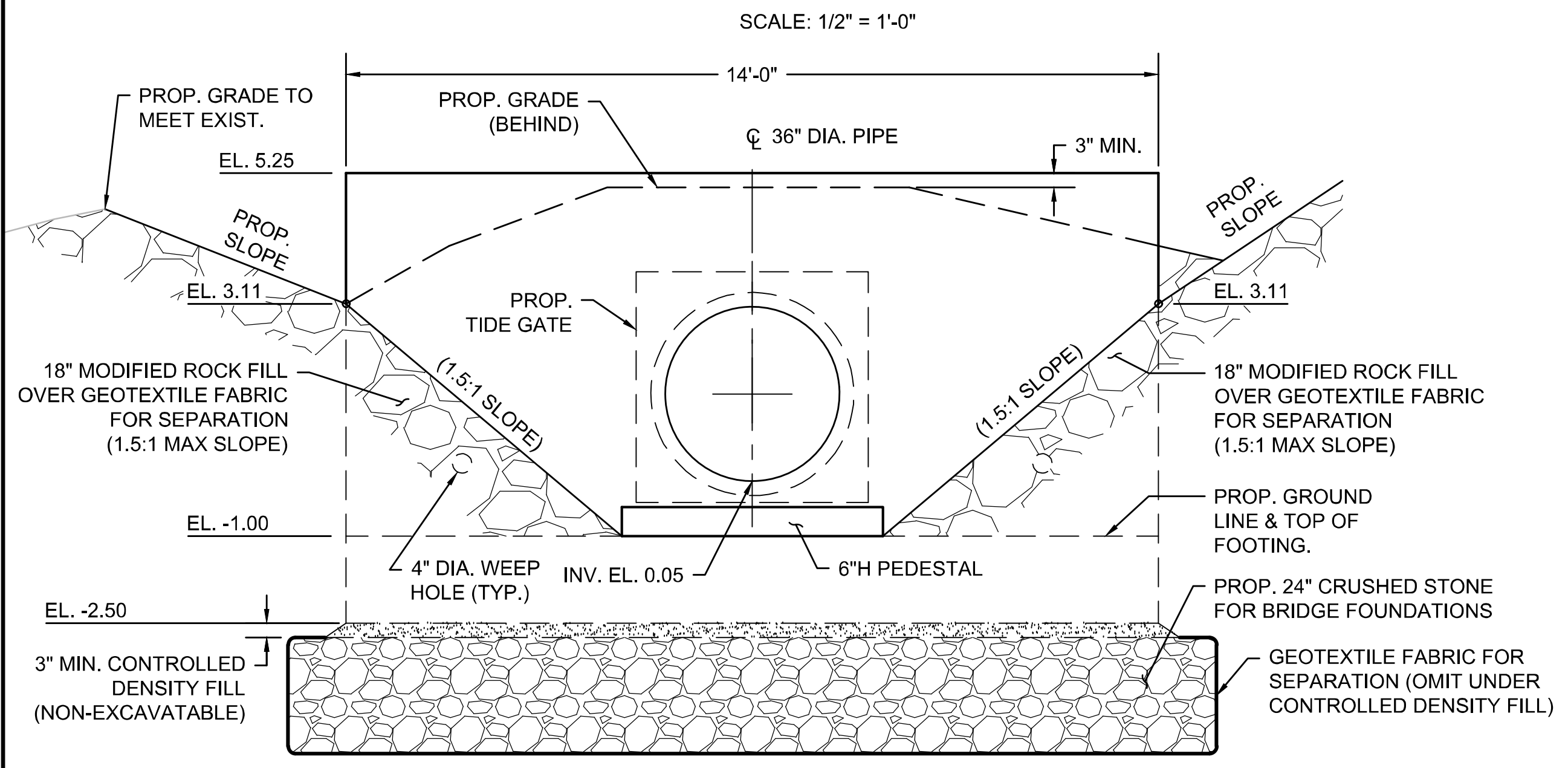
HEADWALL STRUCTURE NO. 1 PLAN



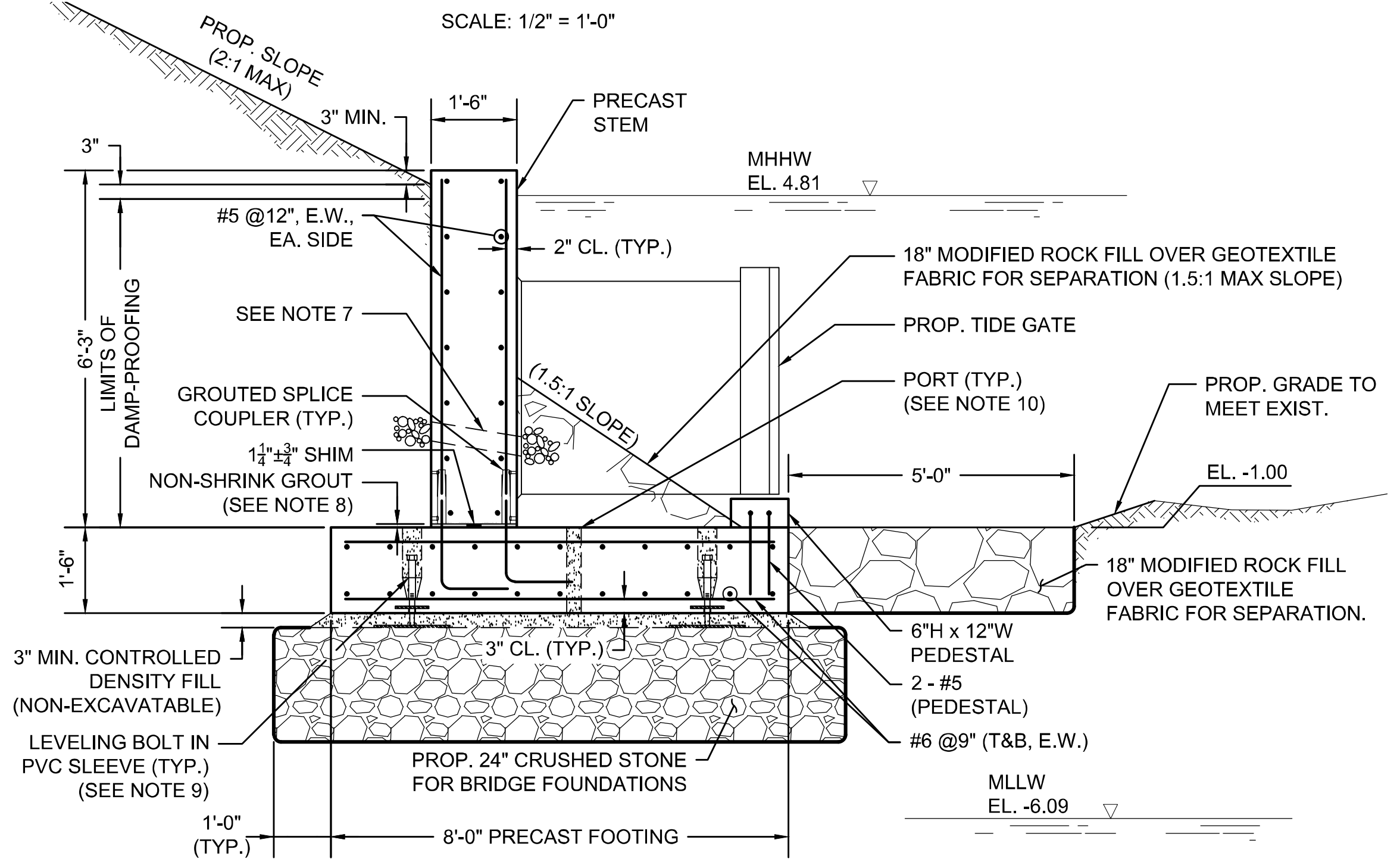
SECTION AT WATER DIVERSION CHANNEL

NOTES:

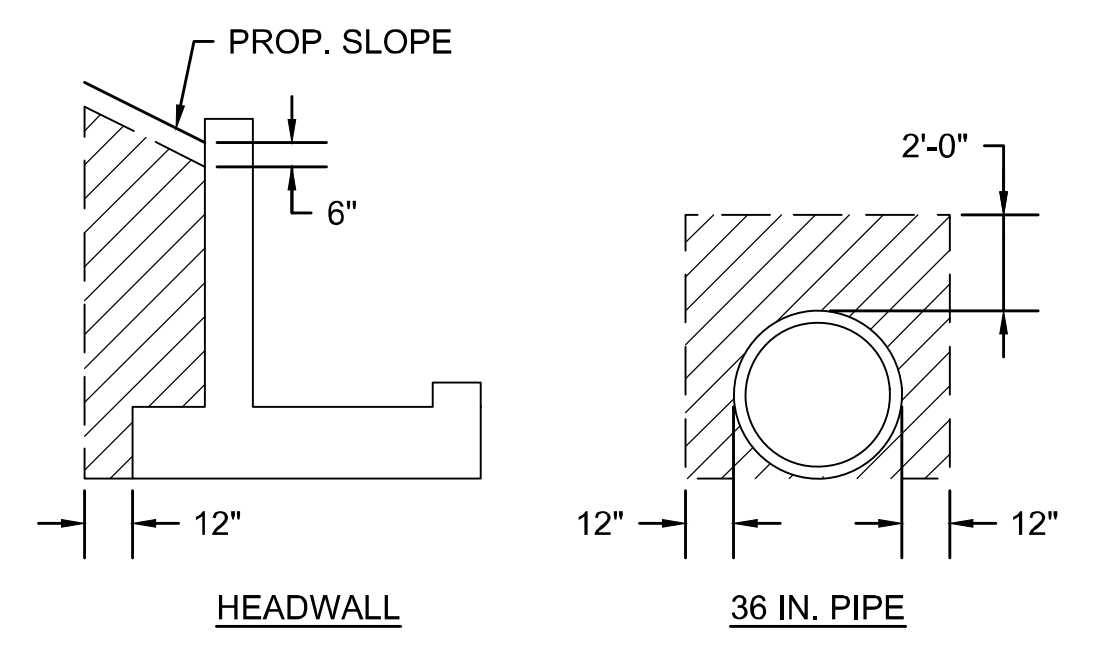
1. INVERTS AND PRECAST OPENINGS SHALL BE VERIFIED IN THE FIELD PRIOR TO ORDERING MATERIALS. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER FOR RESOLUTION. THE DESIGN INTENT IS TO MAINTAIN THE EXISTING INVERT ELEVATIONS.
2. ALL WORK AND MATERIALS ASSOCIATED WITH THE FABRICATION AND INSTALLATION OF THE PRECAST HEADWALL SHALL BE PAID UNDER ITEM 997.1 HEADWALL STRUCTURE NO. 1.
3. THE PRECAST HEADWALL SHALL CONFORM TO APPENDIX B - M4.02.14 PRECAST CONCRETE HIGHWAY UNITS WITHIN THE SPECIAL PROVISIONS. ALL CONCRETE SHALL BE 4000 PSI, 3/4 IN, 585 HP CEMENT CONCRETE.
4. ALL REINFORCEMENT SHALL BE ASTM A615 GRADE 60, EPOXY COATED PER ASTM A775.
5. REINFORCING BARS SHALL HAVE MINIMUM 2" CLEAR COVER, UNLESS NOTED OTHERWISE.
6. ALL EXPOSED CONCRETE EDGES SHALL HAVE A 3/4 INCH CHAMFER.
7. 4" DIAMETER WEEP HOLES 10'-0" O.C. PROVIDE 1 CUBIC YARD OF CRUSHED STONE AT EACH END OF WEEP HOLE.
8. PRE-BED PRECAST ELEMENT WITH NON-SHRINK GROUT WITH THICKNESS MORE THAN SHIM STACK.
9. LEVELING BOLTS SHOWN. CONTRACTOR MAY USE OTHER MEANS OF SETTING GRADE.
10. SPACE PORTS FOR CONTROLLED DENSITY FILL (NON-EXCAVATABLE) AT APPROXIMATELY 4'-0" ON CENTER.



HEADWALL STRUCTURE NO. 1 ELEVATION



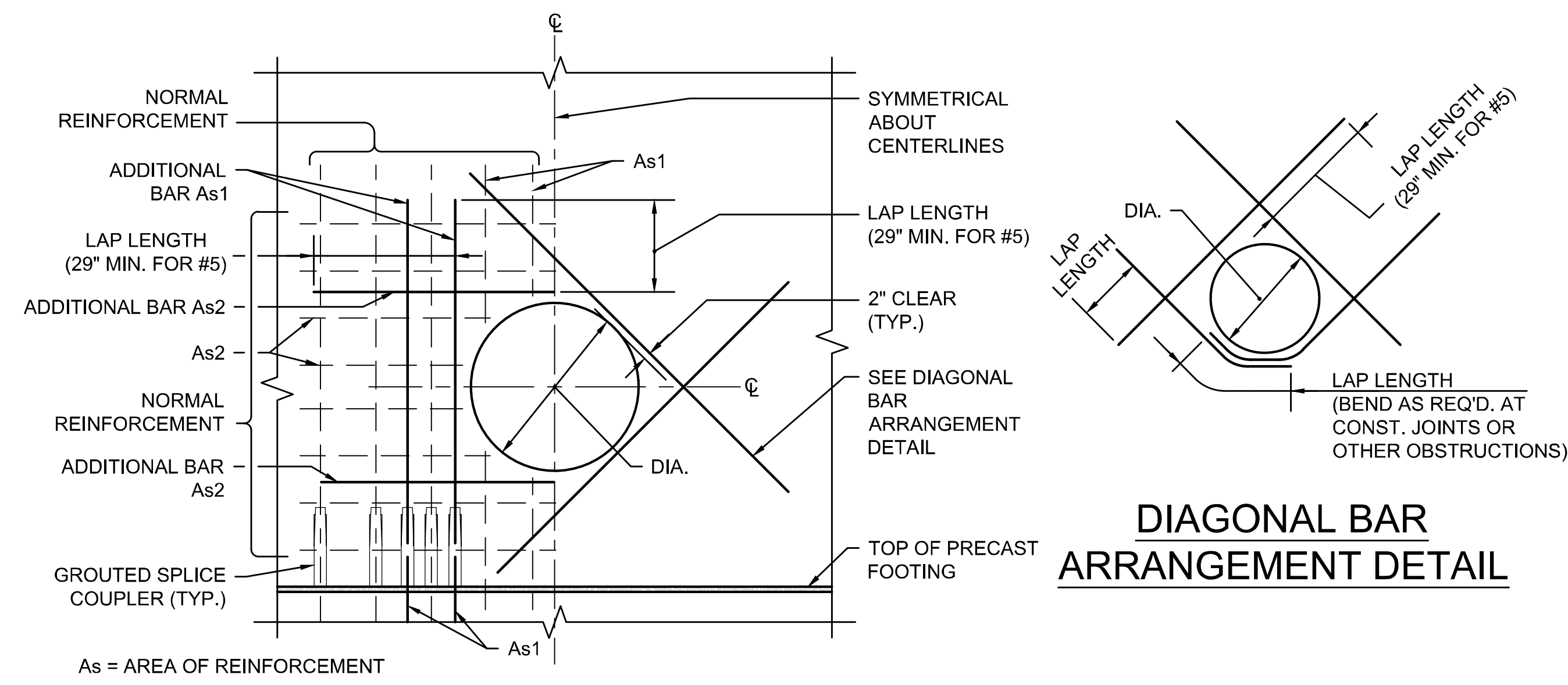
TYPICAL HEADWALL SECTION



NOTE:
HATCHED AREA INDICATES LIMITS OF GRAVEL BORROW FOR BACKFILLING STRUCTURES & PIPES.

LIMITS OF GRAVEL BORROW FOR BACKFILLING STRUCTURES & PIPES

NOT TO SCALE



ADDITIONAL REINFORCEMENT AT CIRCULAR PIPE OPENINGS

NOT TO SCALE

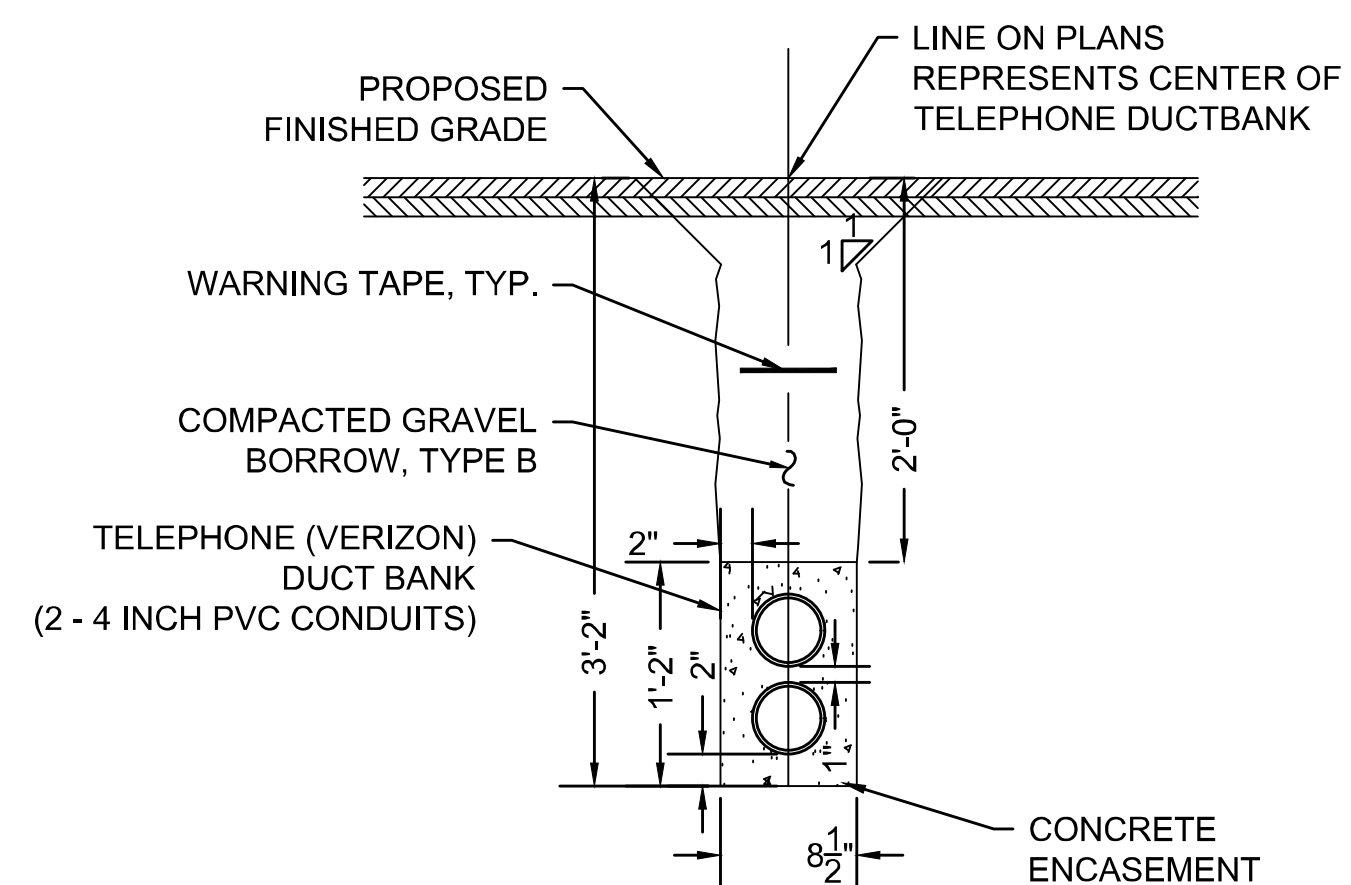
REINFORCEMENT AT OPENINGS NOTES:

1. CUT NORMAL REINFORCEMENT 2" CLEAR OF OPENING.
2. CUT NORMAL REINFORCEMENT AT OPENINGS:
A. As1 & As2 = 1/2 AREA OF TOTAL CUT BARS TO BE ADDED ON EACH SIDE OF OPENING.
3. DIAGONAL & ADDITIONAL BARS As1 & As2 TO BE PLACED AT EACH FACE OF WALL.
4. UNLESS OTHERWISE NOTED, SIZE OF DIAGONAL BARS SHALL BE THE SIZE OF THE LARGEST NORMAL REINFORCEMENT BAR CUT.
5. INCREASE SIZE OF ADDITIONAL BARS AS NEEDED TO FIT WITHIN A DISTANCE 2X WALL THICKNESS FROM OPENING. PROVIDE 2" MIN. CLEAR BETWEEN BARS.
6. WHERE A SLAB OR INTERSECTING WALL CONNECTS WITHIN ONE WALL THICKNESS OF OPENING, ADDITIONAL BARS ON THAT SIDE OF THE OPENING MAY BE OMITTED.
7. WHEN THE LAP LENGTH OF THE ADDITIONAL BARS CANNOT BE ACHIEVED DUE TO AN ADJACENT WALL OR SLAB, ADDITIONAL CORNER BARS OR SLAB DOWELS, RESPECTIVELY, MATCHING THE CUT BARS, ARE TO BE INCLUDED IN THE ADJACENT WALL OR SLAB TO LAP WITH THE ADDITIONAL BARS.

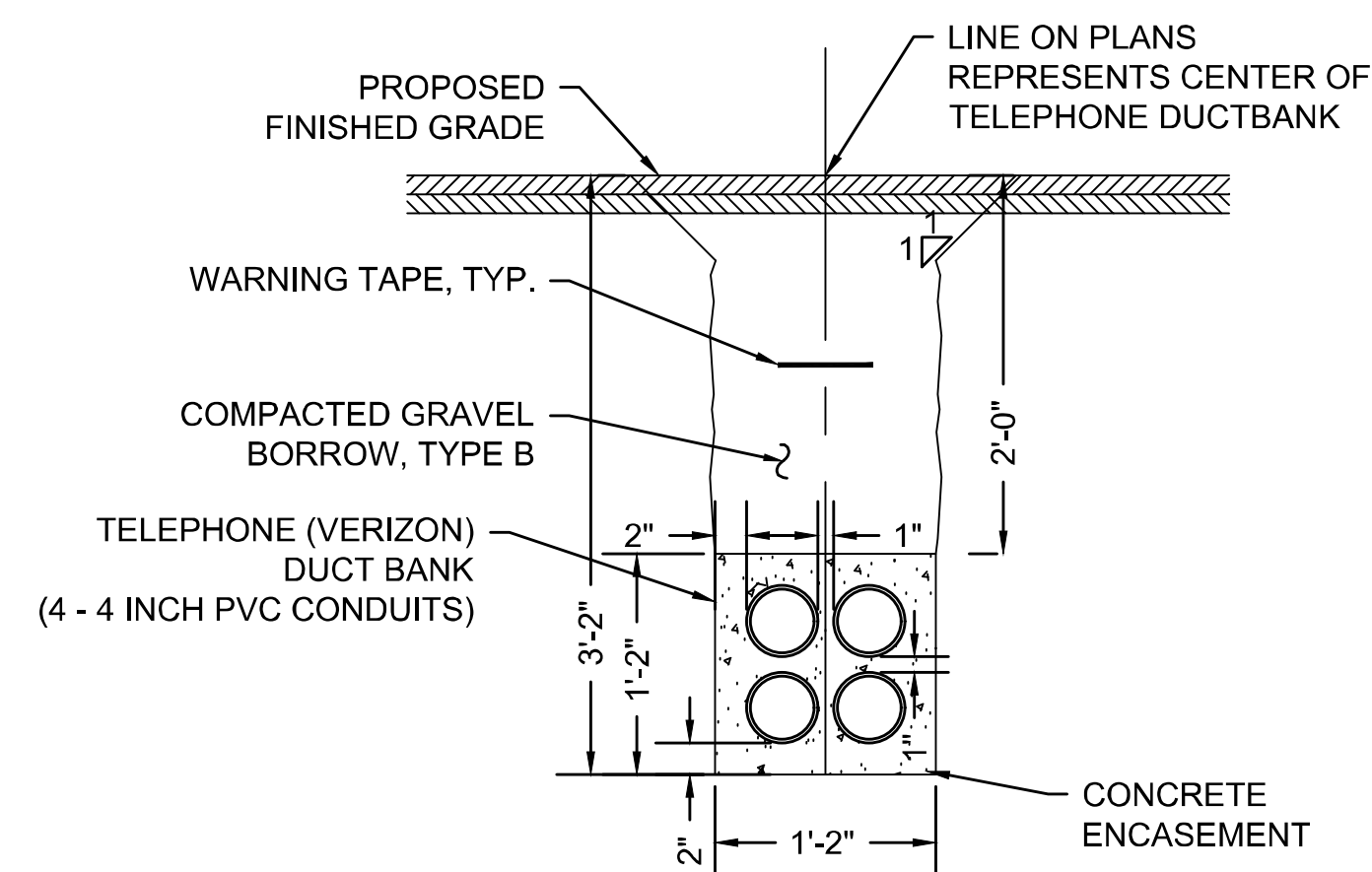
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/ST/PTAP-0035(052)X	72	178
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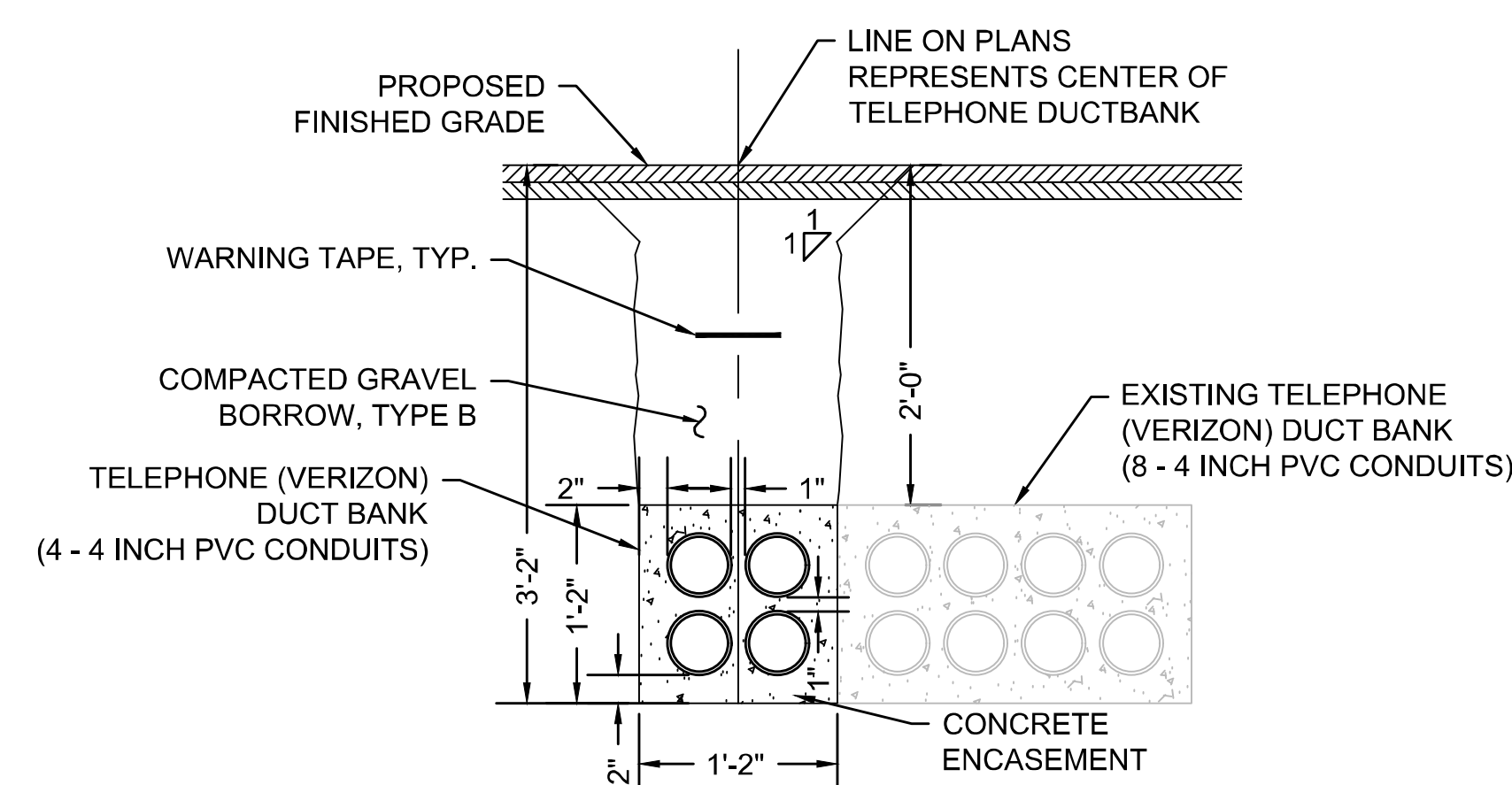
TELEPHONE DETAILS
PART 1 OF 2



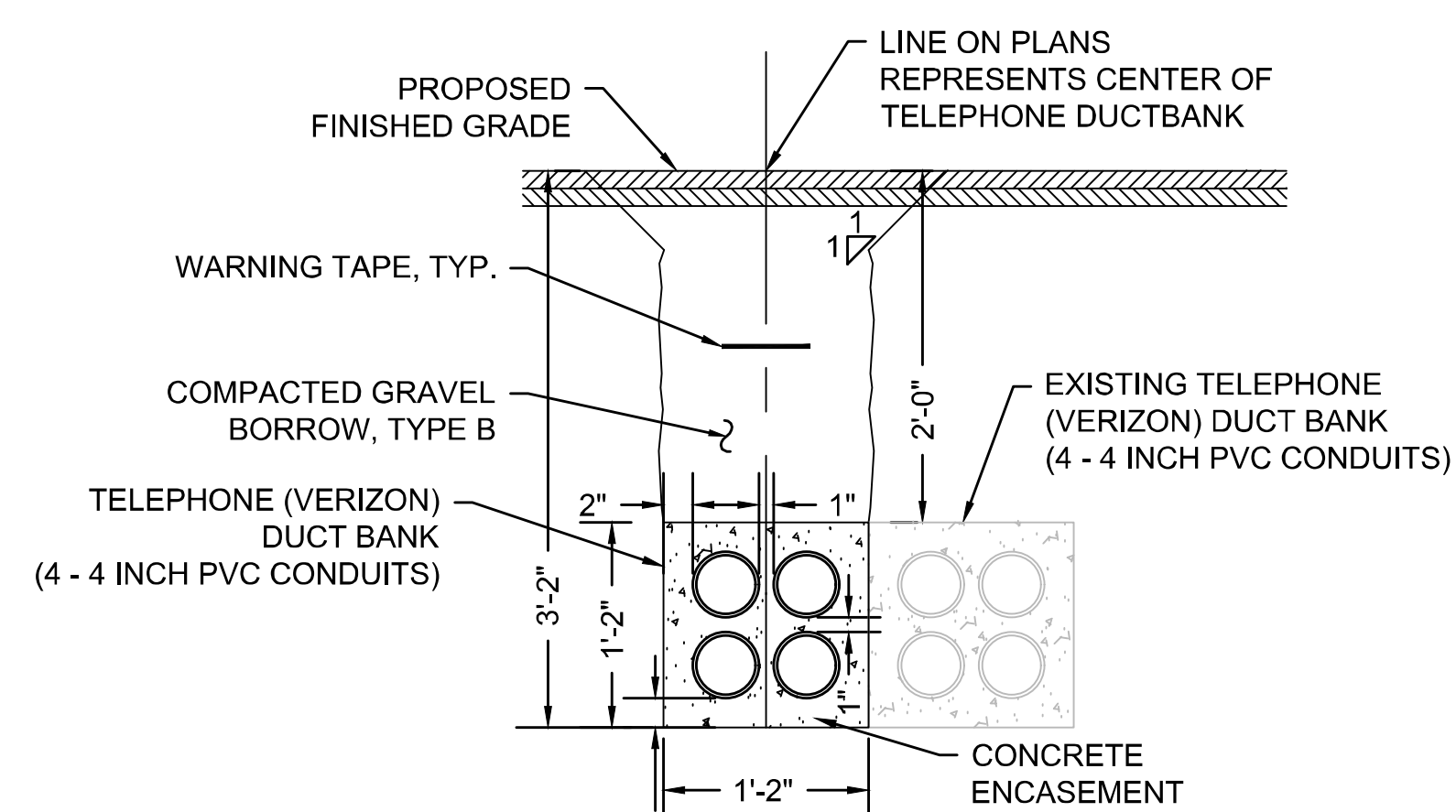
TELEPHONE
TRENCH DETAIL 1



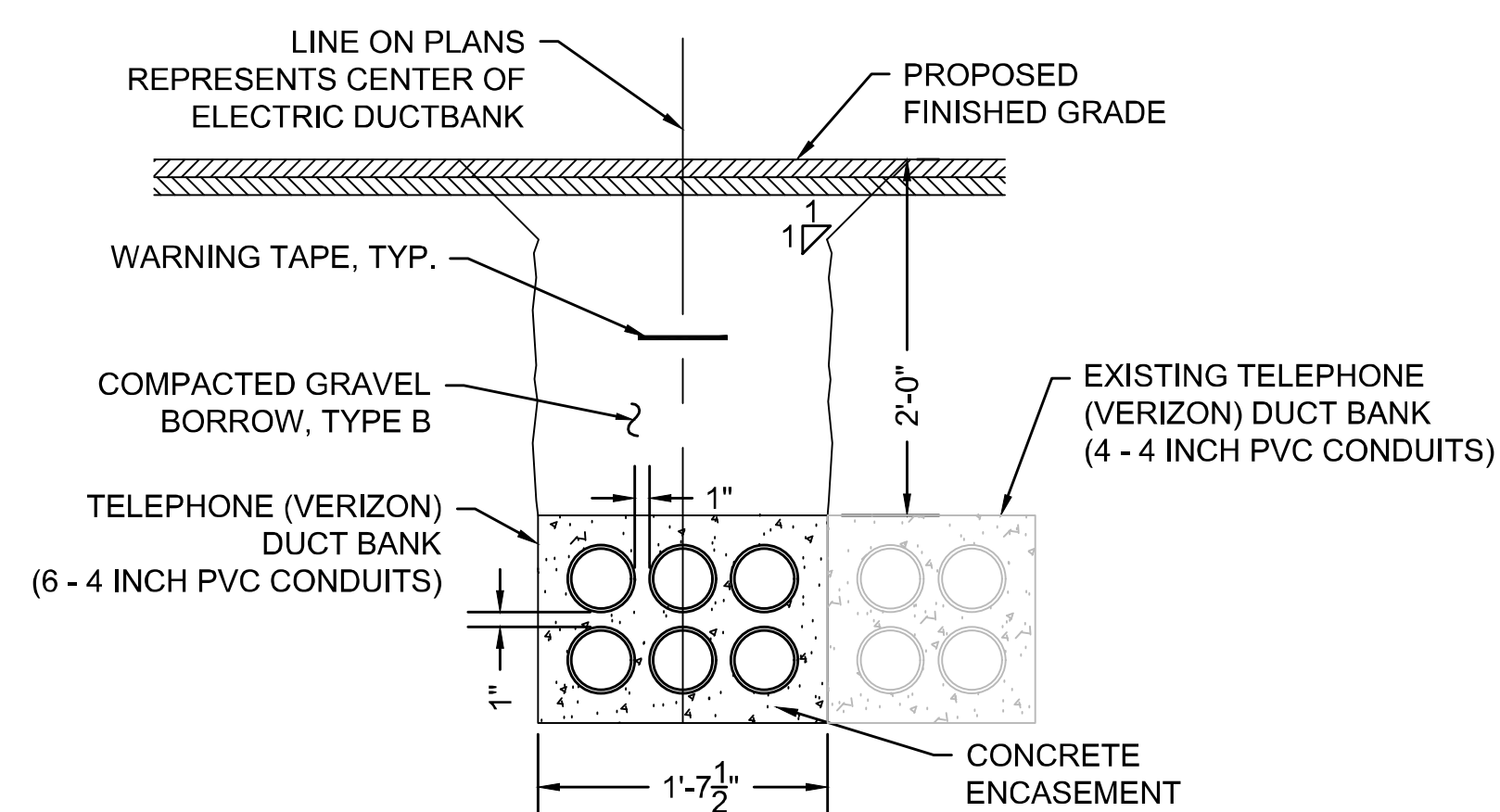
TELEPHONE
TRENCH DETAIL 2



TELEPHONE
TRENCH DETAIL 3



TELEPHONE
TRENCH DETAIL 4

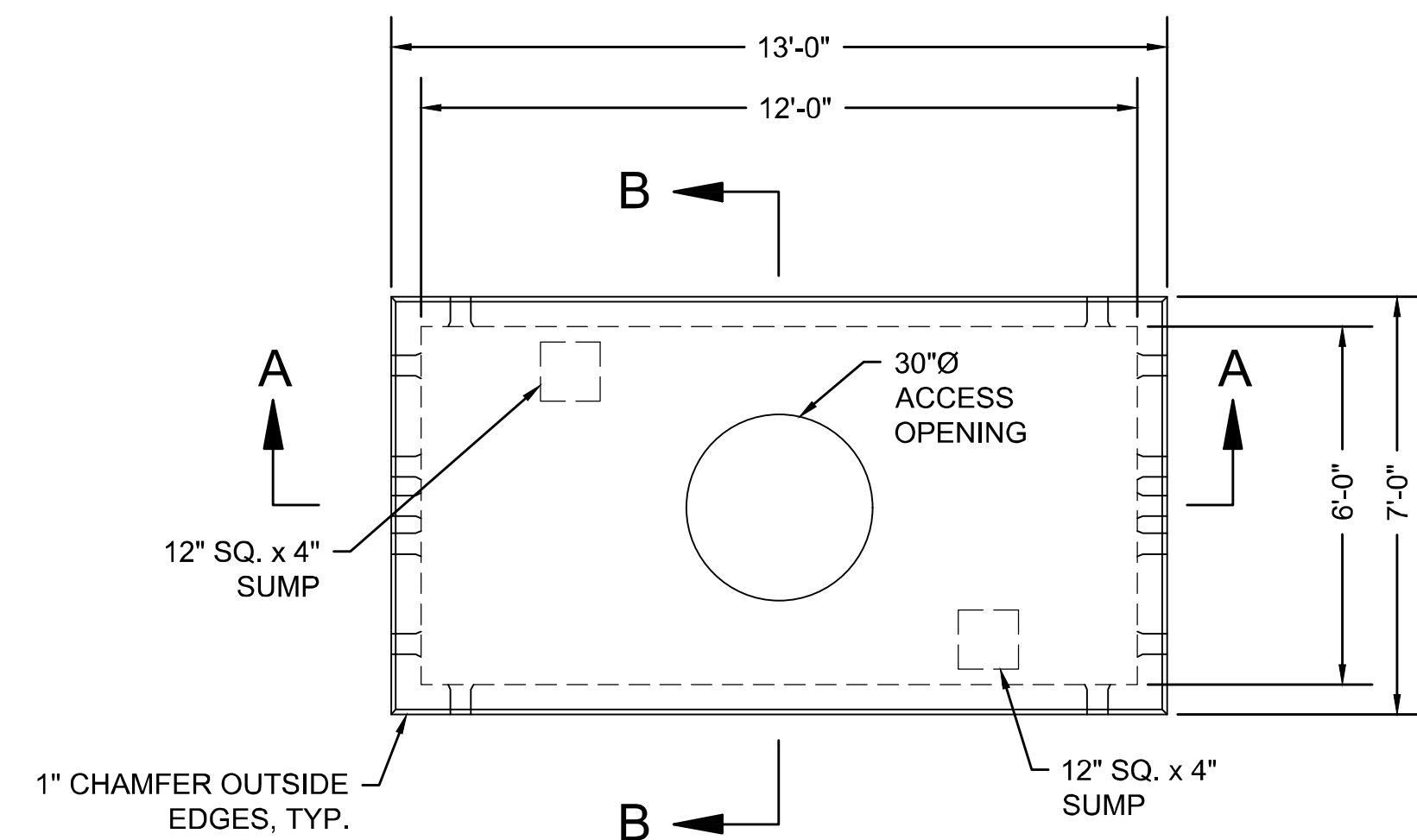


TELEPHONE
TRENCH DETAIL 5

UTILITY TRENCH NOTES:

1. ALL CONSTRUCTION OF DUCT BANKS INCLUDING TRENCH, EXCAVATION, AND BACKFILL SHALL CONFORM TO UTILITY DETAILS AND SPECIFICATIONS.
2. FOR ALL DUCTS USE SCHEDULE 40 CONDUITS ENCASED IN 2,500 PSI, 3/8 INCH, 520 CEMENT CONCRETE. USE PLASTIC SPACERS TO MAINTAIN CONDUIT SPACING. SPACERS SHALL MEET UTILITY SPECIFICATIONS FOR DESIGN AND SPACING.
3. ALL TRENCH EXCAVATION ACTIVITIES SHALL COMPLY WITH ALL APPROPRIATE OSHA STANDARDS.
4. EACH DUCT BANK SHALL HAVE ASSOCIATED WARNING TAPE INSTALLED. TELEPHONE DUCT BANKS WILL HAVE 6 INCH, COLOR ORANGE, DETECTABLE METALLIC WARNING TAPE PLACED 12 INCHES ABOVE EACH CONCRETE ENCASEMENT.
5. A UTILITY COMPANY REPRESENTATIVE FROM VERIZON SHALL BE PRESENT FOR ALL TELEPHONE CONDUIT INSTALLED.
6. UNLESS OTHERWISE SHOWN ON THE PLANS, A MINIMUM OF 12 INCHES OF SEPARATION IS REQUIRED FOR CROSSINGS WITH GAS, WATER, SEWER AND DRAINAGE.
7. CONDUITS SHALL BE BLOWN CLEAN USING COMPRESSED AIR. RUN MANDREL THRU EACH CONDUIT TO CONFIRM VIABLE PATHWAY.
8. WOVEN POLYESTER MULE TAPE WITH MINIMUM STRENGTH OF 2500 LB TENSILE STRENGTH TO BE INSTALLED WITHIN EACH CONDUIT.

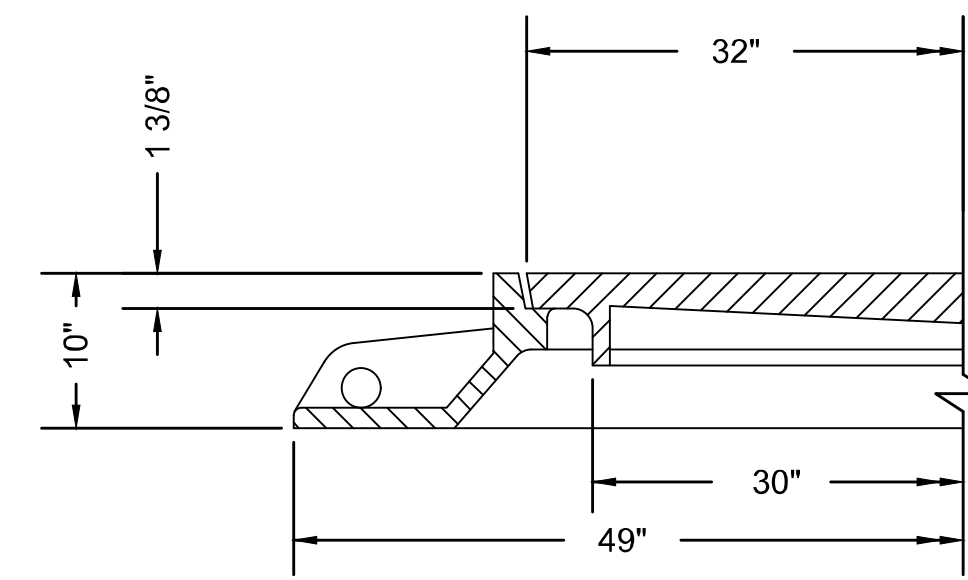
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS1STP/TAP-0035(052)X	73	178
PROJECT FILE NO.		607397	



PLAN

NOTES:

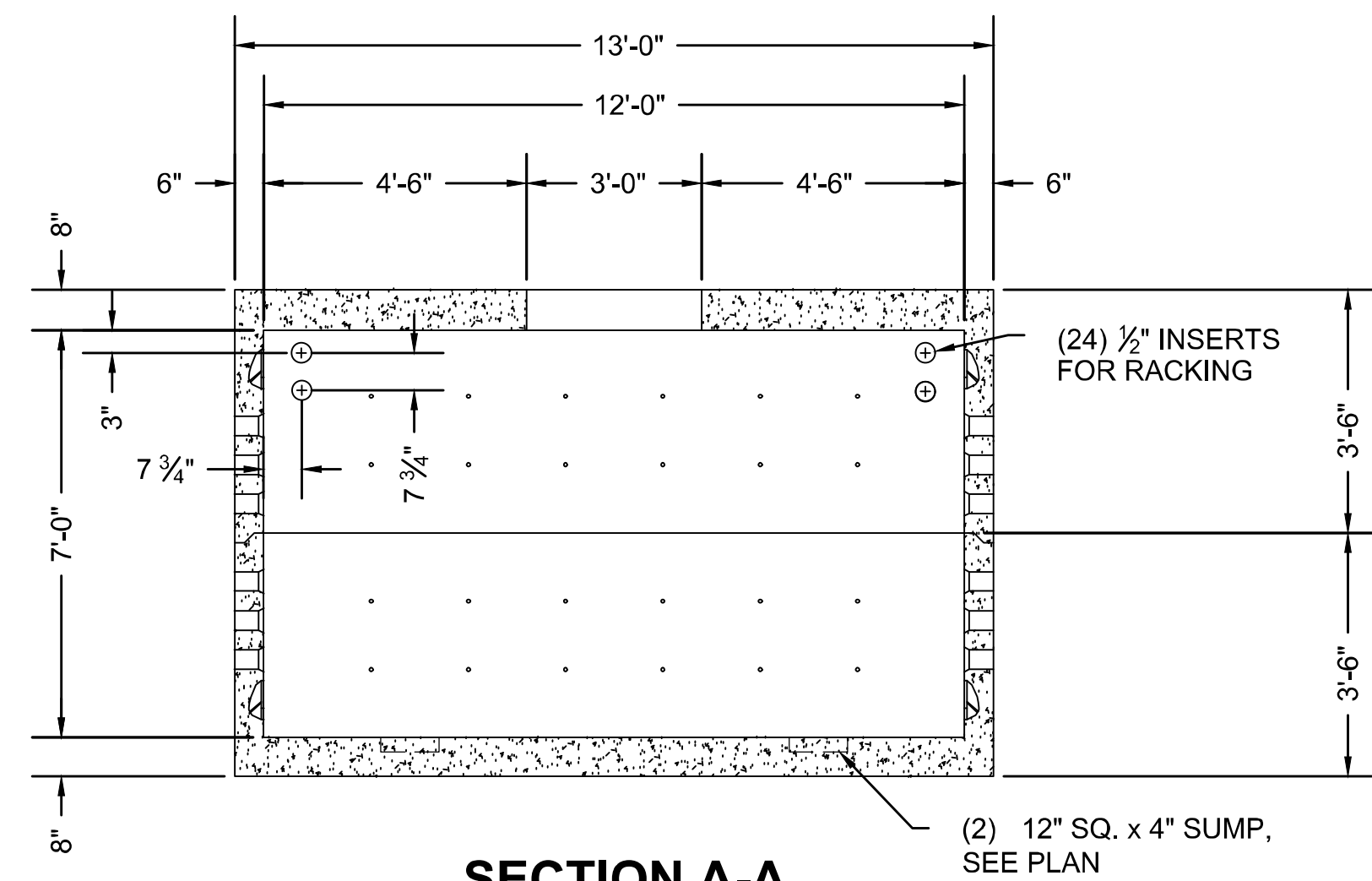
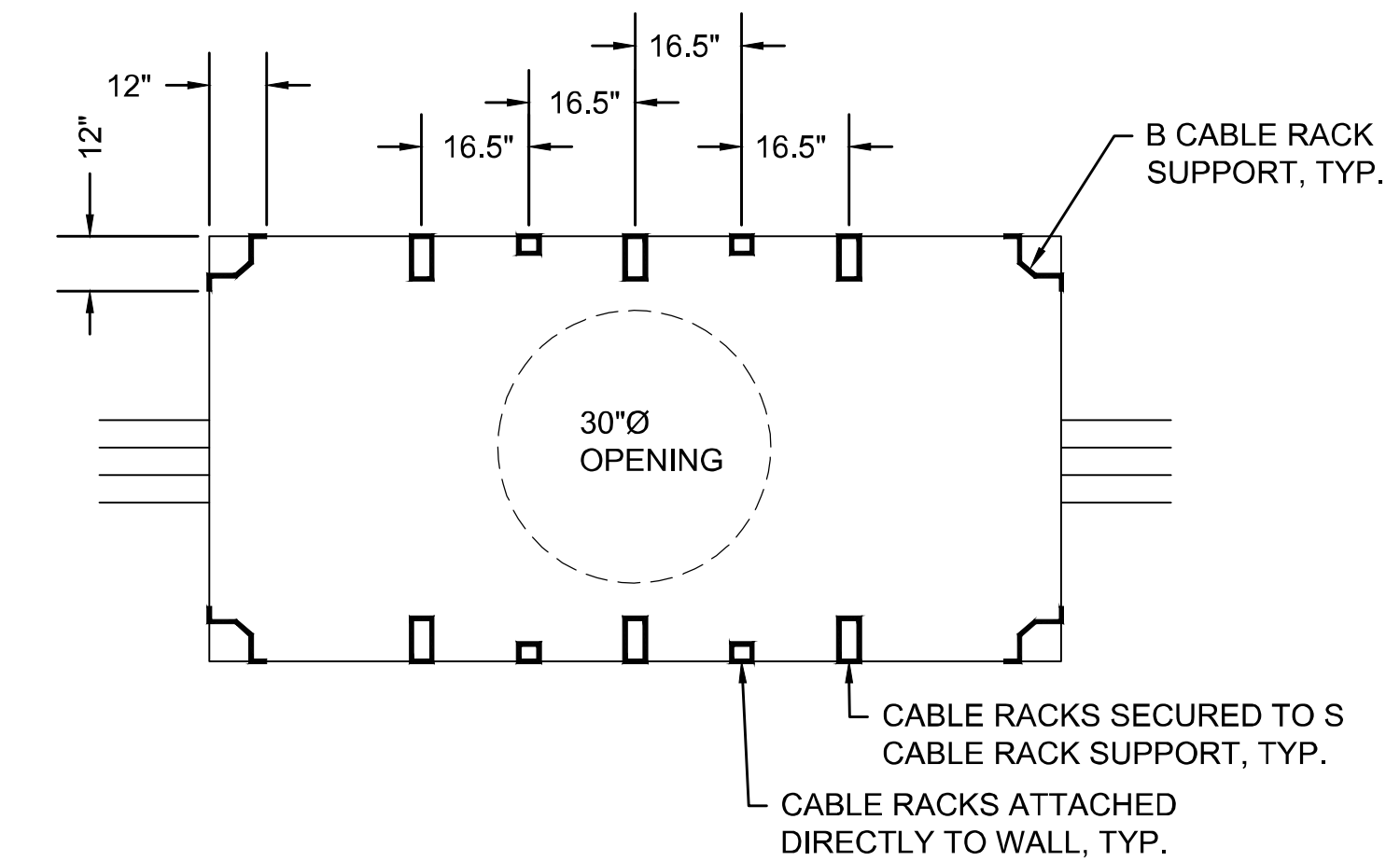
- ANCHOR BOLT CIRCLE DIMENSION IS $4\frac{1}{2}$ INCHES.
- STANDARD HEXAGONAL PATTERN TYPE R-1750-C HEAVY DUTY TELEPHONE MANHOLE COVER SHALL BE USED.



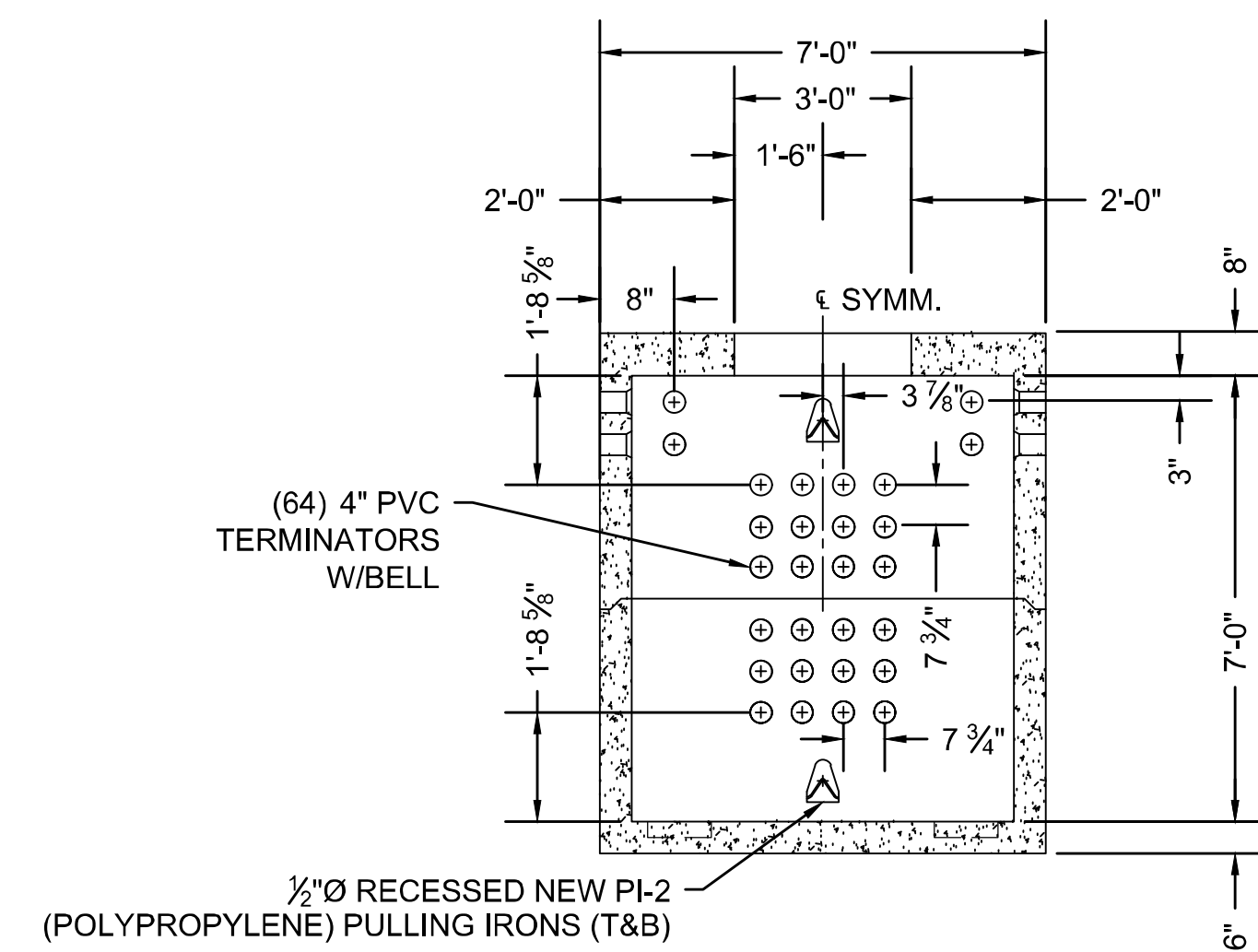
TELEPHONE MANHOLE COVER

NOTES:

- CONCRETE: 5,000 PSI MINIMUM AFTER 28 DAYS.
- DESIGN LOADING: ASSHTO HS20-44, 0 TO 5 FEET COVER.
- STEEL REINFORCEMENT CONFORMS TO ASTM A615, GRADE 60.
- MINIMUM STEEL COVER 1".

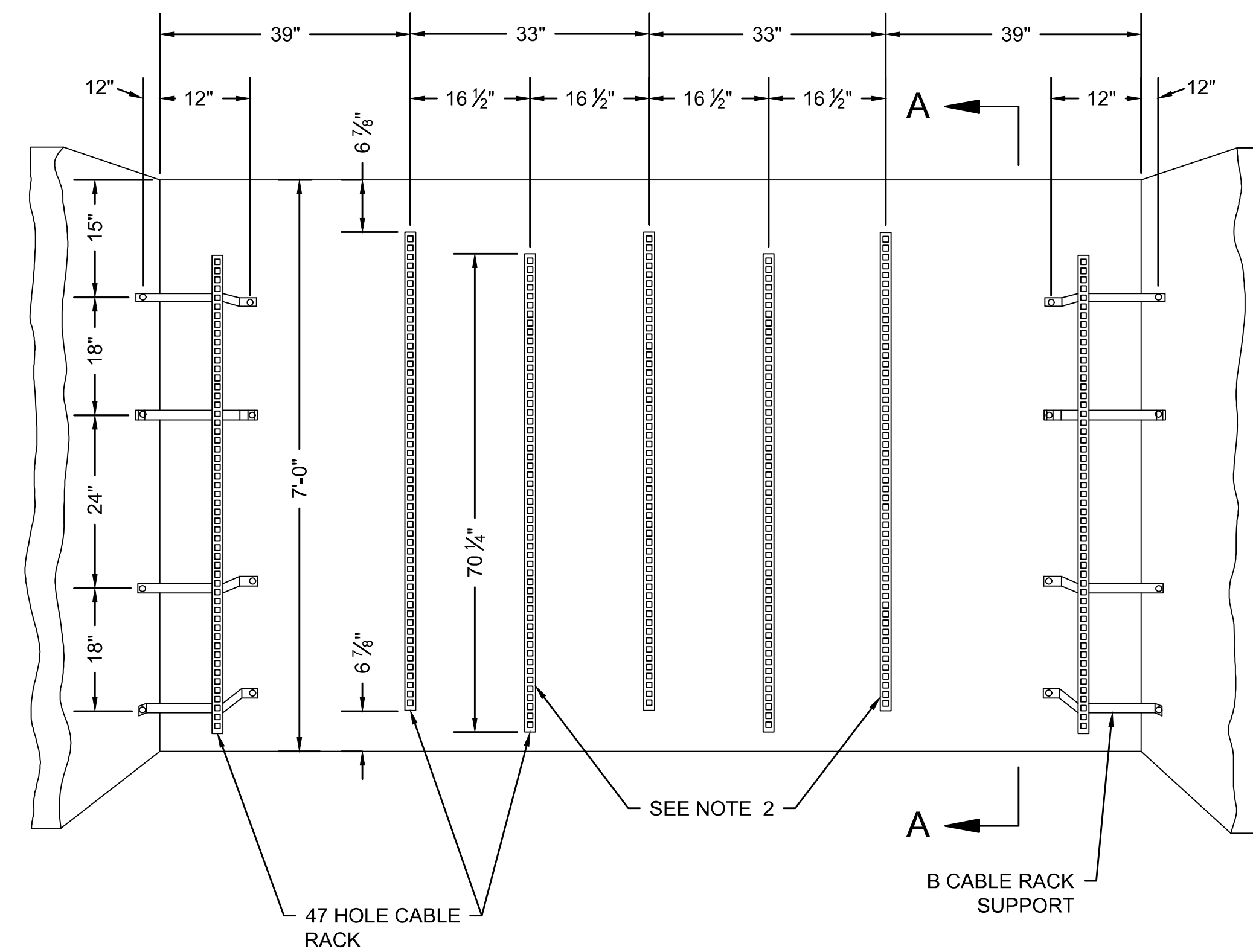


SECTION A-A
OPPOSITE WALL SIMILAR



SECTION B-B
OPPOSITE WALL SIMILAR

MANHOLE 6' X 12' X 7'

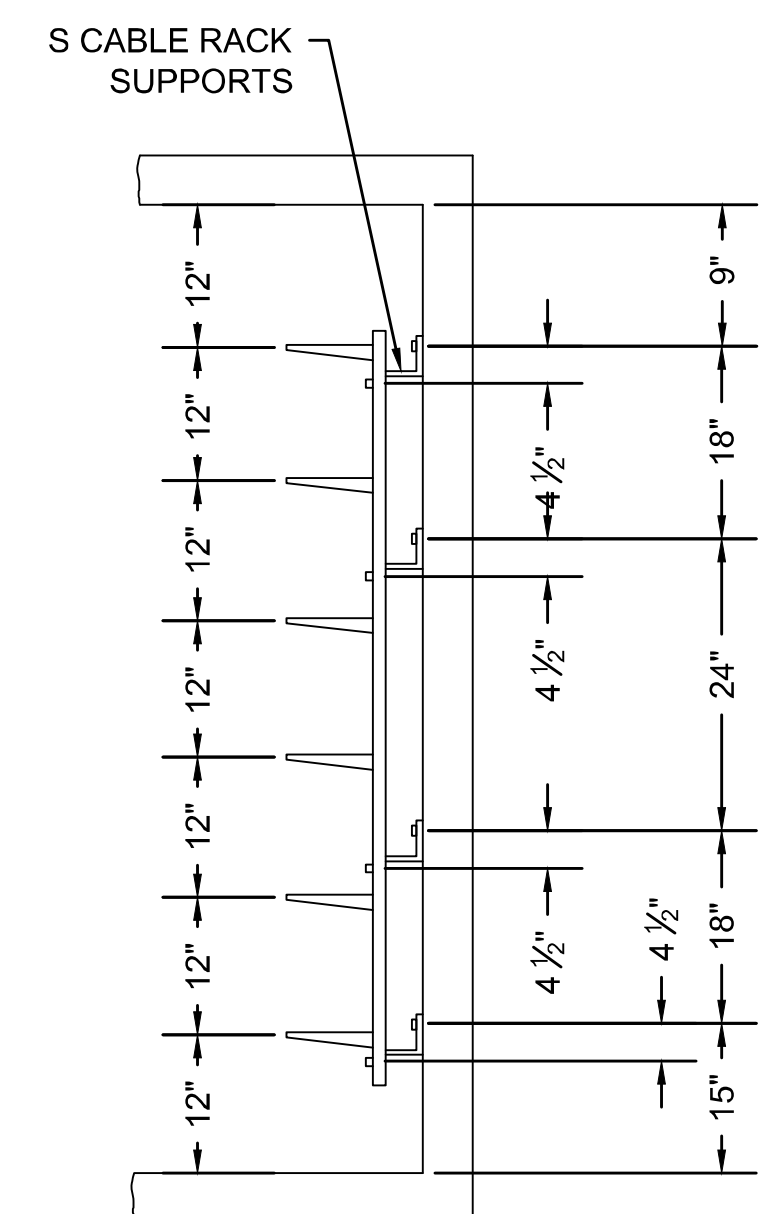


SEE NOTE 2

NOTES:

- MANHOLE DIMENSIONS AS GIVEN ON PLANS ARE INSIDE DIMENSIONS.
- THESE CABLE RACKS ARE PLACED AGAINST WALL TO SUPPORT SPLICE CASES OR LEAD SLEEVES.

6'X12'X7' MANHOLE DETAIL



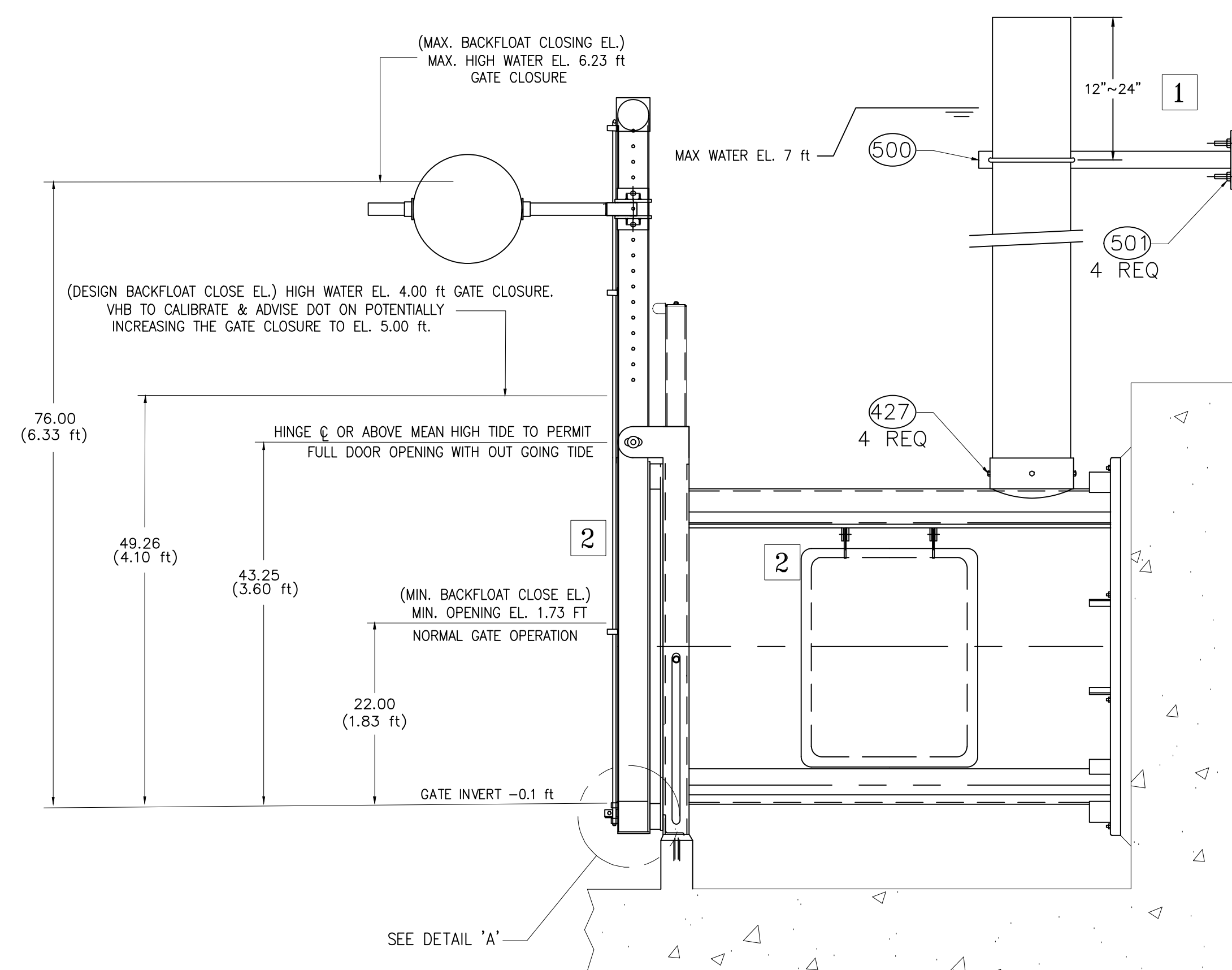
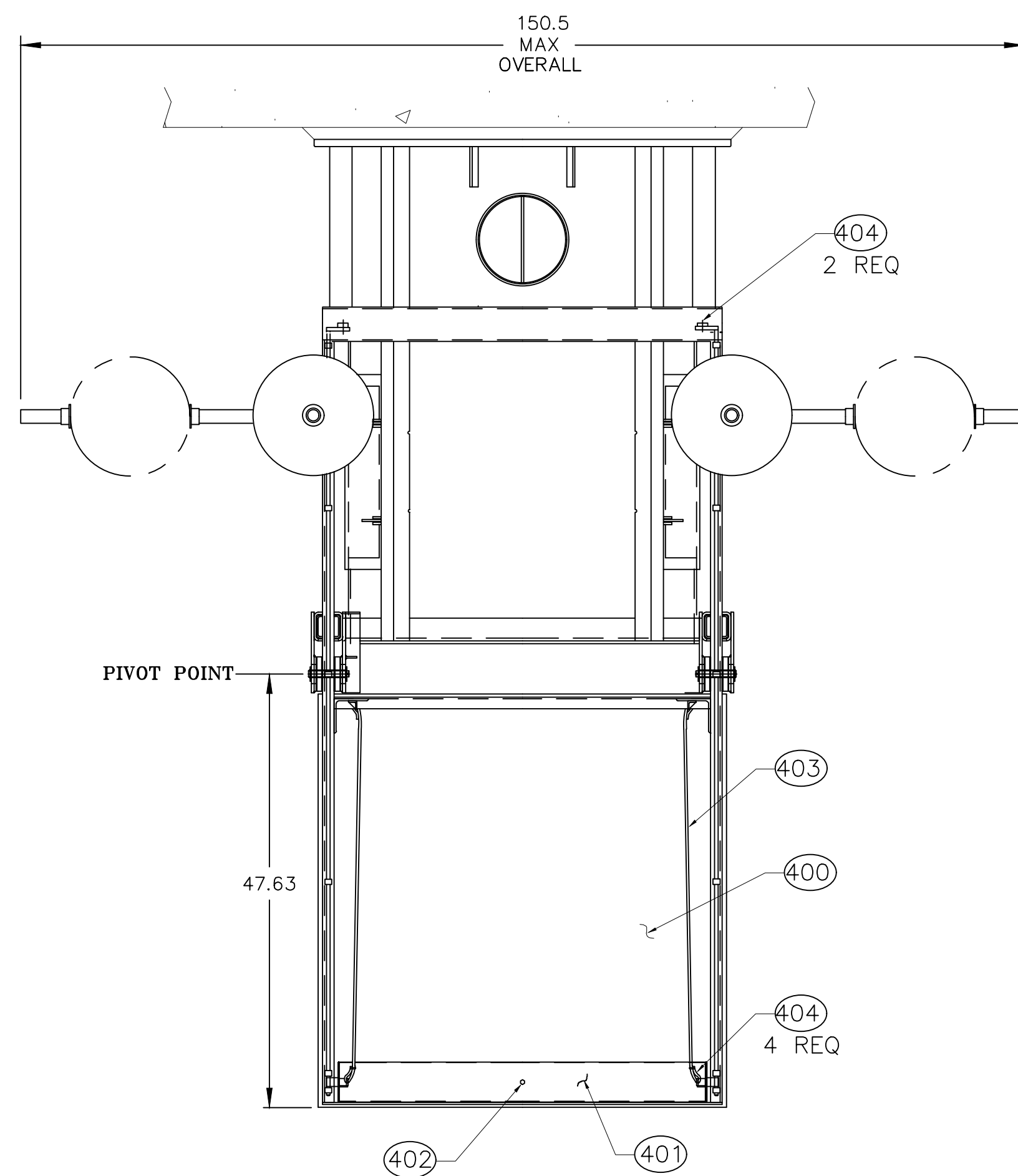
SECTION A-A

WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.	CMQHS/STP/TAP-0036(052)X	74	178

PROJECT FILE NO. 607397
SELF REGULATING TIDE GATE
PART 1 OF 2

607397_H01(01).DWG Plotted on 21-Oct-2021 11:00 AM

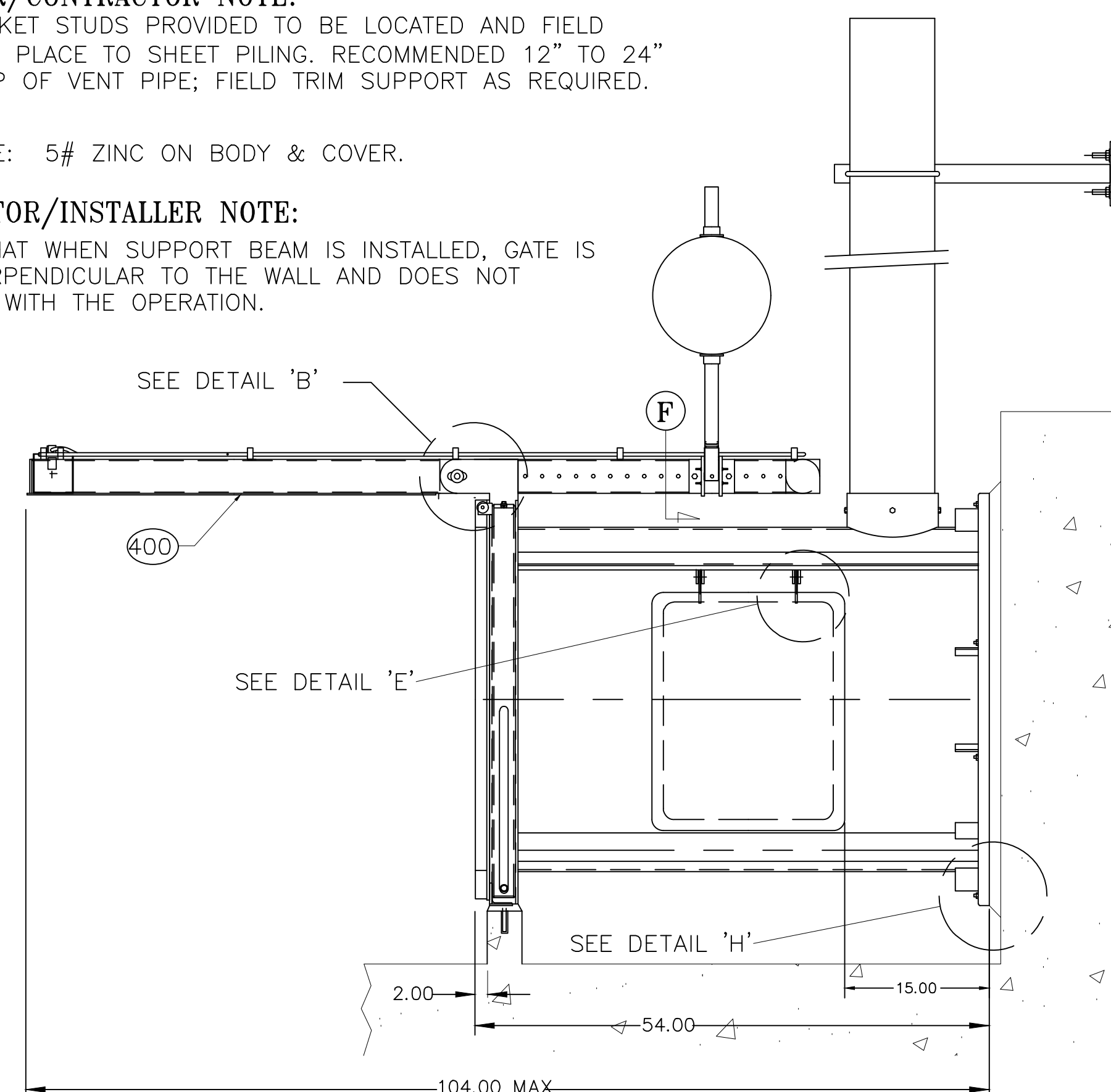
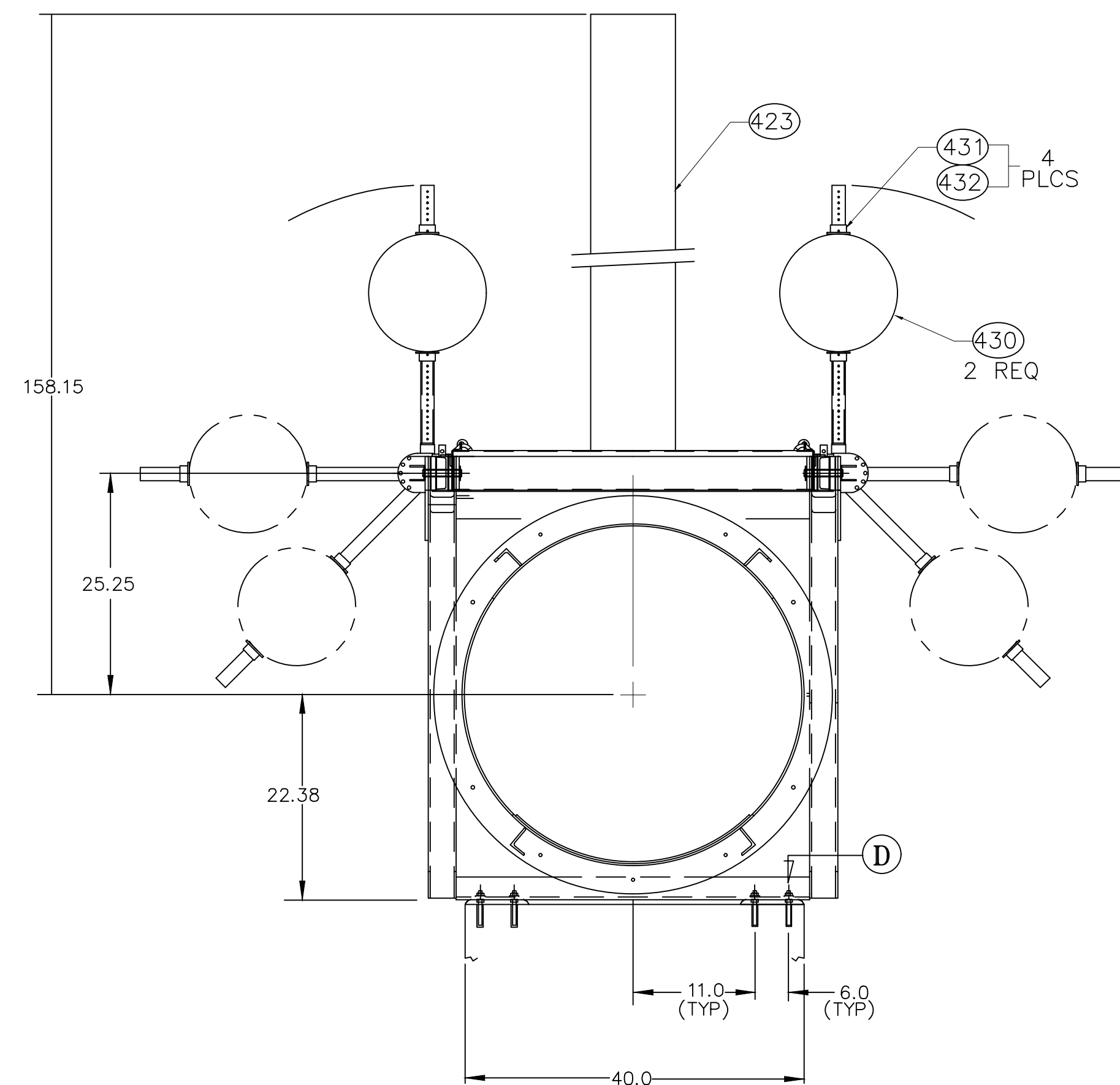


GATE SHOWN IN CLOSED POSITION

1 ENGINEER/CONTRACTOR NOTE:
PIPE BRACKET STUDS PROVIDED TO BE LOCATED AND FIELD WELDED IN PLACE TO SHEET PILING. RECOMMENDED 12" TO 24" BELOW TOP OF VENT PIPE; FIELD TRIM SUPPORT AS REQUIRED.

2 SHOP NOTE: 5# ZINC ON BODY & COVER.

3 CONTRACTOR/INSTALLER NOTE:
ENSURE THAT WHEN SUPPORT BEAM IS INSTALLED, GATE IS LEVEL, PERPENDICULAR TO THE WALL AND DOES NOT INTERFERE WITH THE OPERATION.



GATE SHOWN IN OPEN POSITION

NOTE: FIELD COAT ALUMINUM IN CONTACT WITH CONCRETE WITH BITUMASTIC 50, MIN. 15 MILS DRY

400	HEAD WELDMENT	170540-10; ALUMINUM PLATE & CHANNEL
401	HEAD FLOAT	170540-11; ALUMINUM PIPE
402	PIPE PLUG	3/4 NPT; HEX HEAD; PLASTIC
403	CABLE	1/8 DIA (REF) GHI-100003
404	ATTACHING HARDWARE	#8-32 NC x 1 LG RD HD SCREW W/NUT, WASHER, & L-WASHER
405	FLOAT RELEASE ROD	GHI-100004-3; 5/8 DIA ALUM BAR
406	SPRING PIN	3/16 DIA x 1-1/2 LG; S-STL
407	BUSHING	GAR-MAX Ø3/4 x Ø1 x 2.75
410	FRAME WELDMENT	170540-12; ALUM. PLATE AND TUBE
411	WASHER	1/2 DIA; S-STL
412	SIDE FLOAT	170540-13; ALUM. PLATE AND TUBE
414	WASHER	Ø3/4 McMASTER #95649A256; UHMW
415	COLLAR	170540-14; S-STL BAR
416	FLOAT PIN	170540-14; 1 DIA S-STL BAR
417	BUSHING	1 DIA SCH 40 PIPE x 4.25 LG; PVC PLASTIC
418	COLLAR	170540-14; S-STL BAR
419	WASHER	Ø1 McMASTER #95649A263; UHMW
420	COTTER PIN	1/8 DIA x 2-1/2 LG; S-STL
421	FRONT GASKET	170540-15; NEOPRENE RUBBER
422	COTTER PIN	3/32 DIA x 1 LG; S-STL
423	VACUUM BREAK VENT	170540-16; ALUM; ADS PIPE
424	PIVOT PIN	170540-14; S-STL (3/4 DIA REF)
425	CENTERING WASHER	170540-14; NEOPRENE RUBBER
426	SPACER	.78 ID x 4.0 OD x .125 THK; UHMW
427	ATTACHING HARDWARE	1/2 NC x 1.5 HEX HD BOLT W/ W/LW, AND NUT
428	BACK FLOAT BRACKET	170540-17; ALUM PLT AND BAR
429	FLOAT ARM	170540-18; ALUM BAR AND PIPE
430	FLOAT BALL	GHI-100017-3; POLYETHYLENE & PVC
431	FLOAT STOP	170540-18; ALUM PIPE & PLT
432	BOLT	5/16 NC x 3.5 LG S-STL HEX HD BOLT W/ 2W, LW & NUT
433	ATTACHING HARDWARE	1/2 NC x 5.0 LG S-STL HEX HD BOLT W/ 2W, LW & NUT
434	ATTACHING HARDWARE	1/2 NC x 3-1/2 LG S-STL HEX HD BOLT W/ 2W, LW & NUT
435	WASHER	Ø1/2 McMASTER #95649A244; UHMW
440	SIDE DOOR	170540-19; ALUM PLATE & BAR
441	WASHER	Ø1/2 McMASTER #95649A244; UHMW
442	BUSHING	.54 ID x .84 OD x .38 LG; PVC PLASTIC
443	WASHER	1/2 DIA; S-STL
444		
445		
446		
447		
448	BOLT - SHOULDER	1/2 DIA x 1-1/2 LG - 3/8NC THRD; S-STL W/ W, LW & NUT
*452	ANCHOR ROD	1/2 DIA x 7 LG S-STL ANCHOR ROD
453	WASHER	1/2 DIA; S-STL
454	WASHER	Ø1/2 McMASTER #95649A244; UHMW
455	WASHER	3/4 DIA; S-STL
456	WASHER	Ø3/4 McMASTER #95649A256; UHMW
457	ISOLATION SLEEVE	.62 ID x .84 OD x .44 LG; PVC (1/2 DIA SCH 40 PIPE)
458	ISOLATION SLEEVE	1.38 ID x 1.66 OD x .44 LG; PVC (1-1/4 DIA SCH 40 PIPE)
459	HEX NUT	1/2 NC; S-STL
460	HEX NUT	3/8 DIA; S-STL
461	WASHER - LARGE	3/8 DIA (1-1/4 OD); S-STL
462	HEX NUT, SELF LOCK	3/8 NC ; NY-LOC
463	HEX HD BOLT	3/8 NC x 2 LG S-STL
464	WASHER	Ø3/8 McMASTER #95649A241; UHMW
465	ISOLATION SLEEVE	.49 ID x .675 OD x .31 LG; PVC (3/8 DIA SCH 40 PIPE)
500	VENT PIPE SUPPORT	170540-20; S-STL ANGLE PLATE
501	PIPE SUPPORT ANCHOR	1/2 DIA x 3 LG S-STL ANCHOR ROD

* ANCHOR BOLTS ARE DESIGNED FOR USE WITH HILTI HIT-RE 500-V3 ADHESIVE INJECTION SYSTEM OR EQUAL IN DRY CONCRETE (ADHESIVE BY CONTRACTOR)

Max Seating Head = 7.1 Ft.
Design Closure Level = 4.1 Ft. [El. 4.0'] Measured From Gate Invert

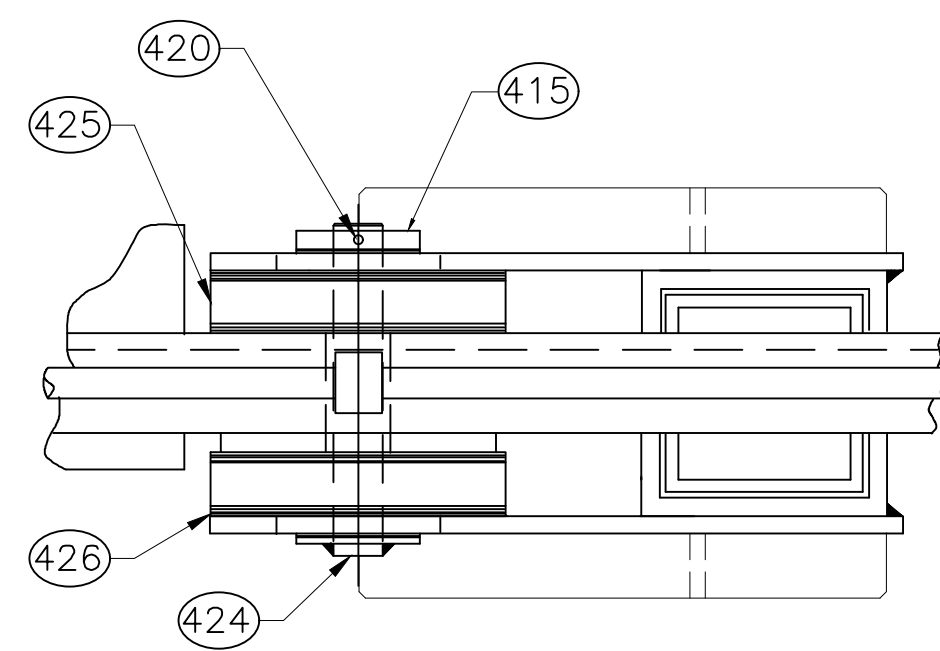
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.	CMQ/HSI/STP/TAP-0036(052)X	75	178

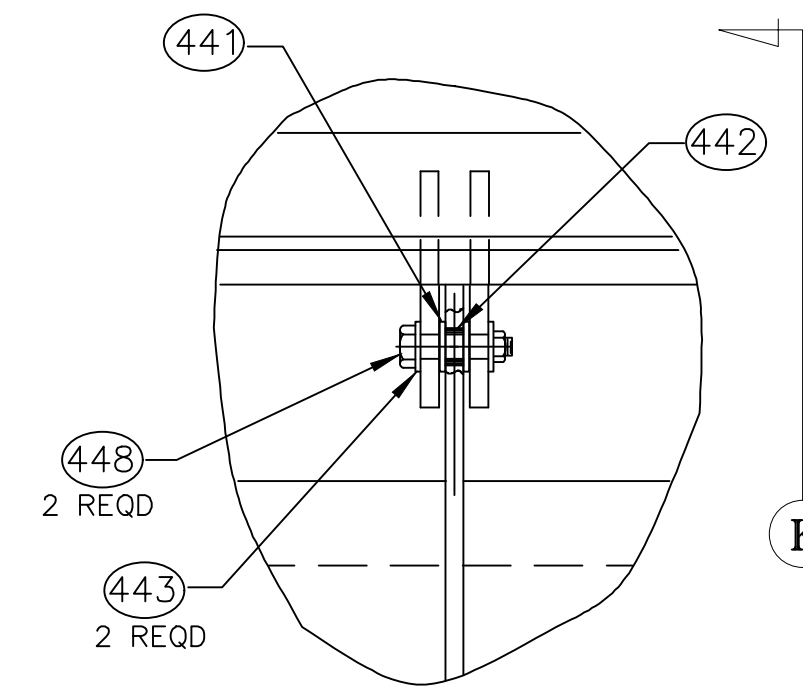
PROJECT FILE NO. 607397

SELF REGULATING TIDE GATE
PART 2 OF 2

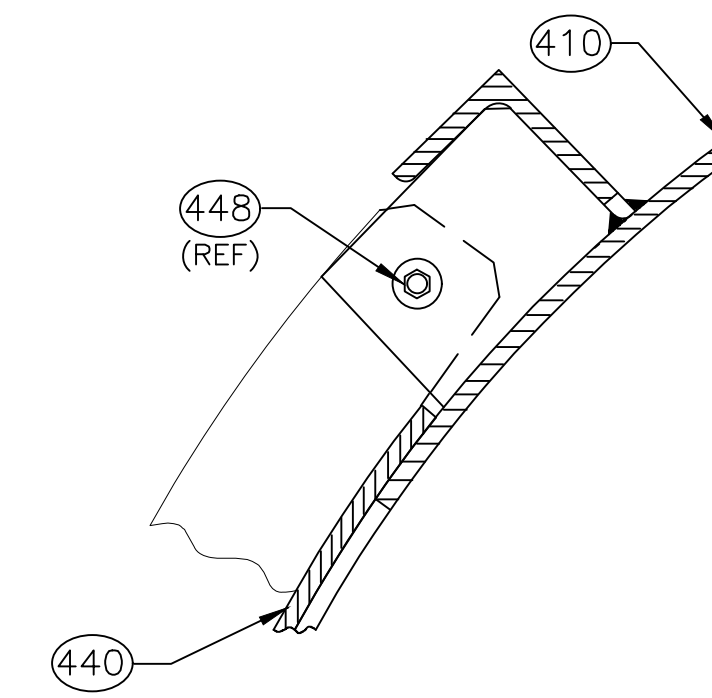
MATERIAL SPECIFICATIONS:
 HARDWARE & FASTENERS = TYPE 316 SS
 ASTM-F593/F594
 S-STL ROUND BAR = TYPE 316 ASTM A-276
 S-STL ANCHOR ROD = TYPE 316 SS ASTM-A276
 ALUMINUM SHAPES = 6061-T6
 ALUMINUM FORMED & PLATE = 6061-T6
 ALUMINUM EXTRUSION = 6061-T6
 UHMWPE = ASTM-D4020
 NEOPRENE RUBBER = ASTM-D2000



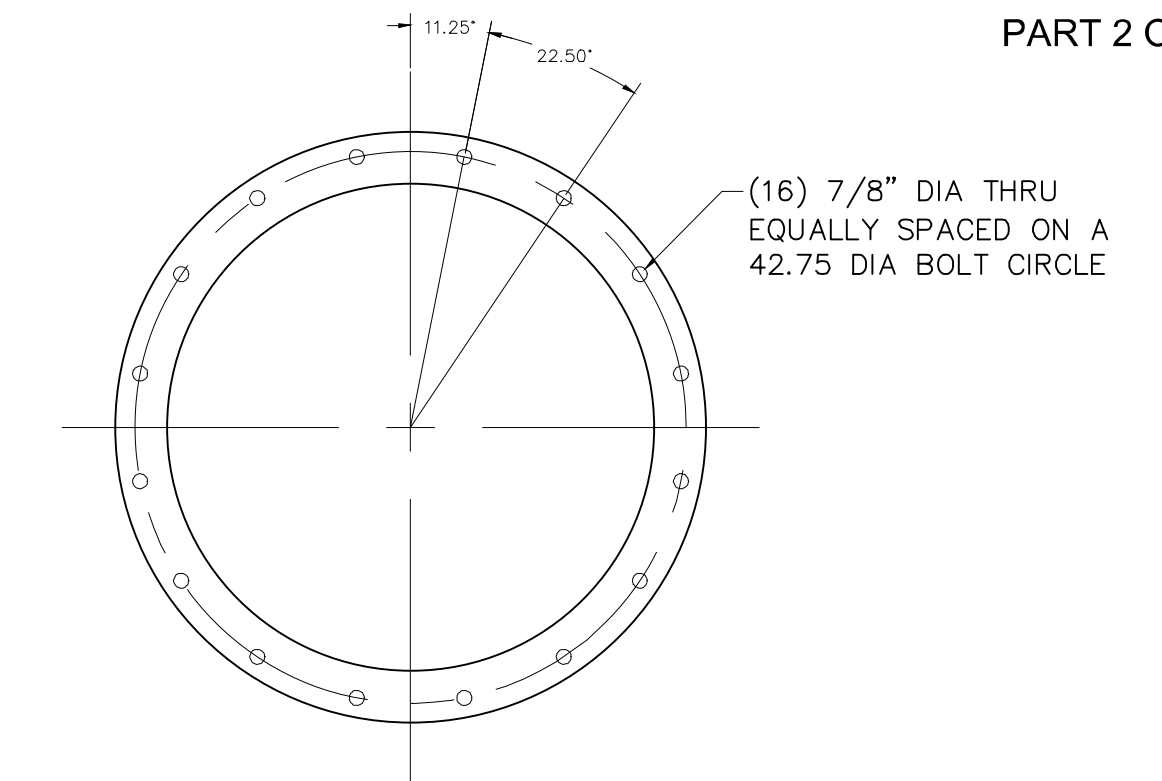
VIEW C-C



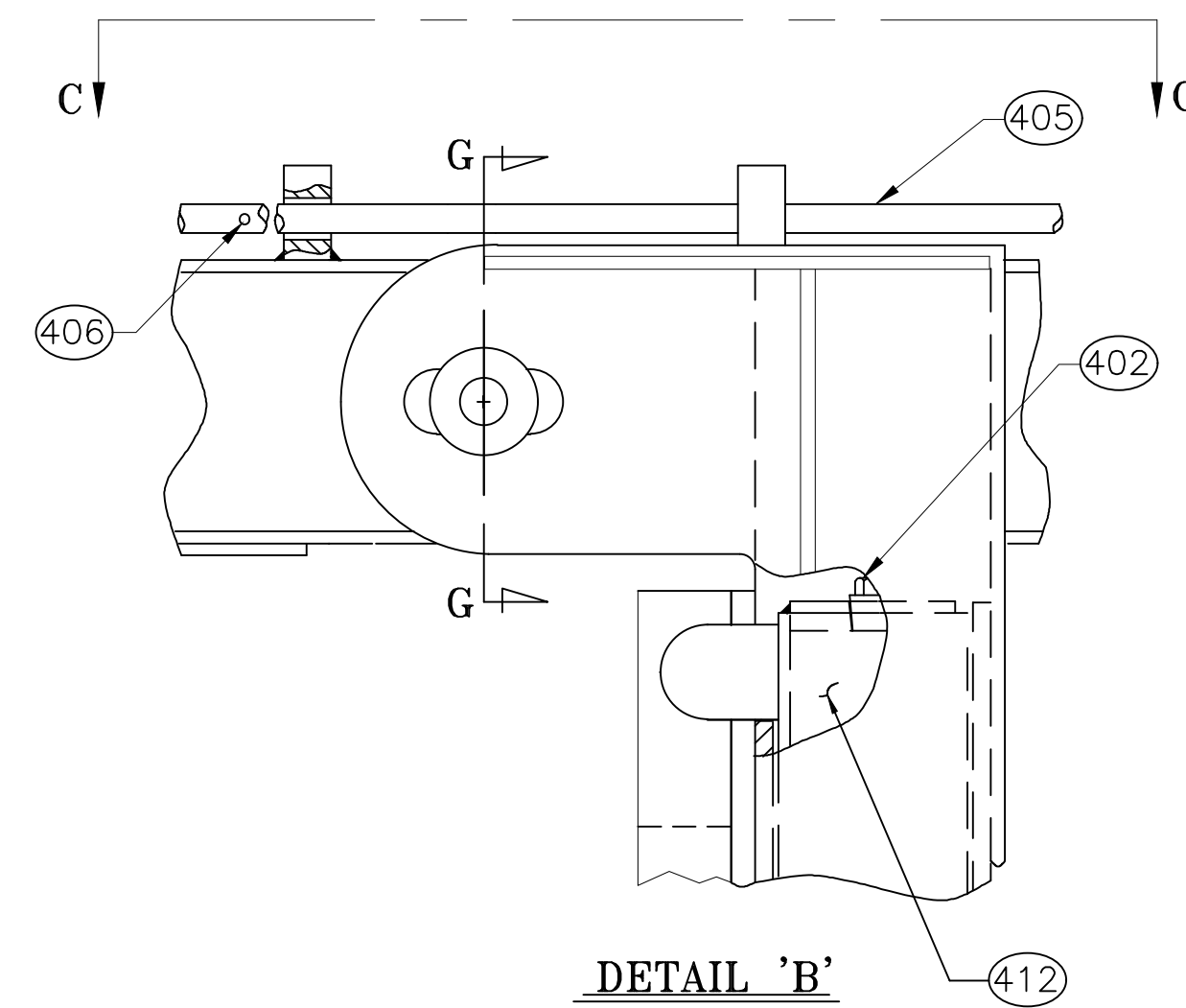
DETAIL 'E'



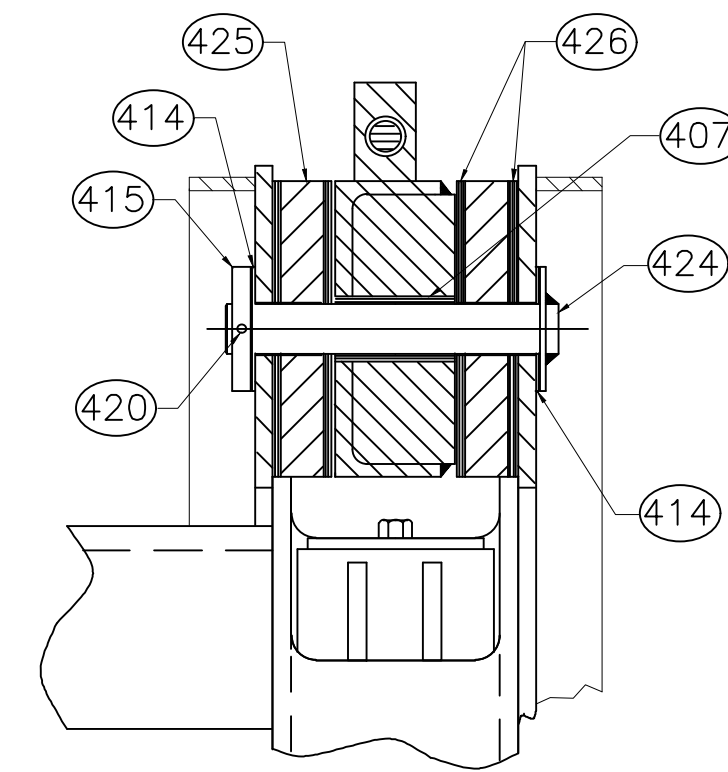
SECTION VIEW K



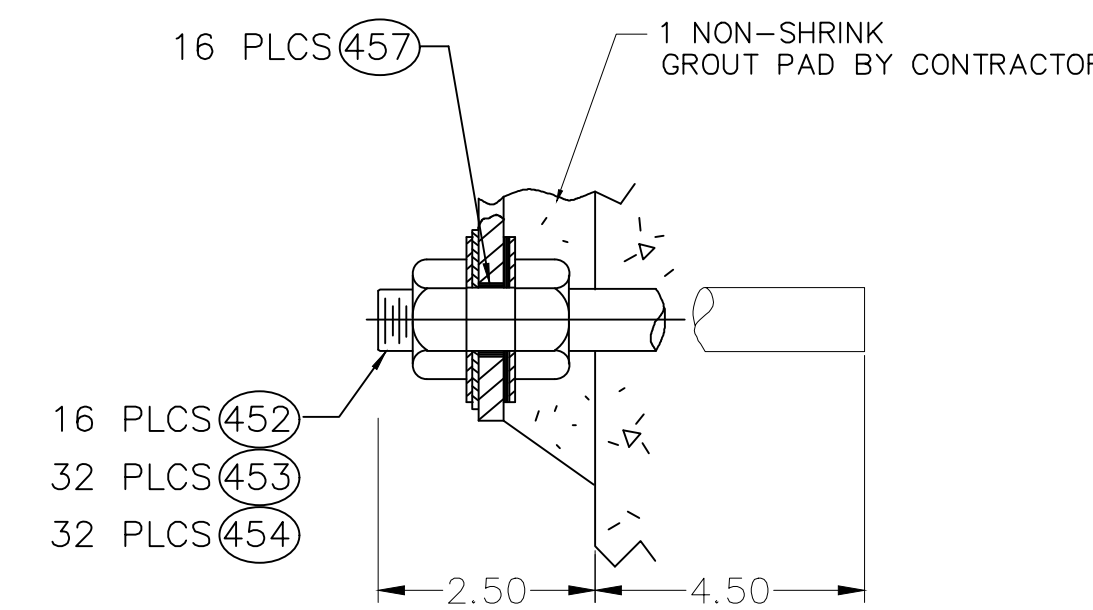
REAR FLANGE
(BOLT LAYOUT)



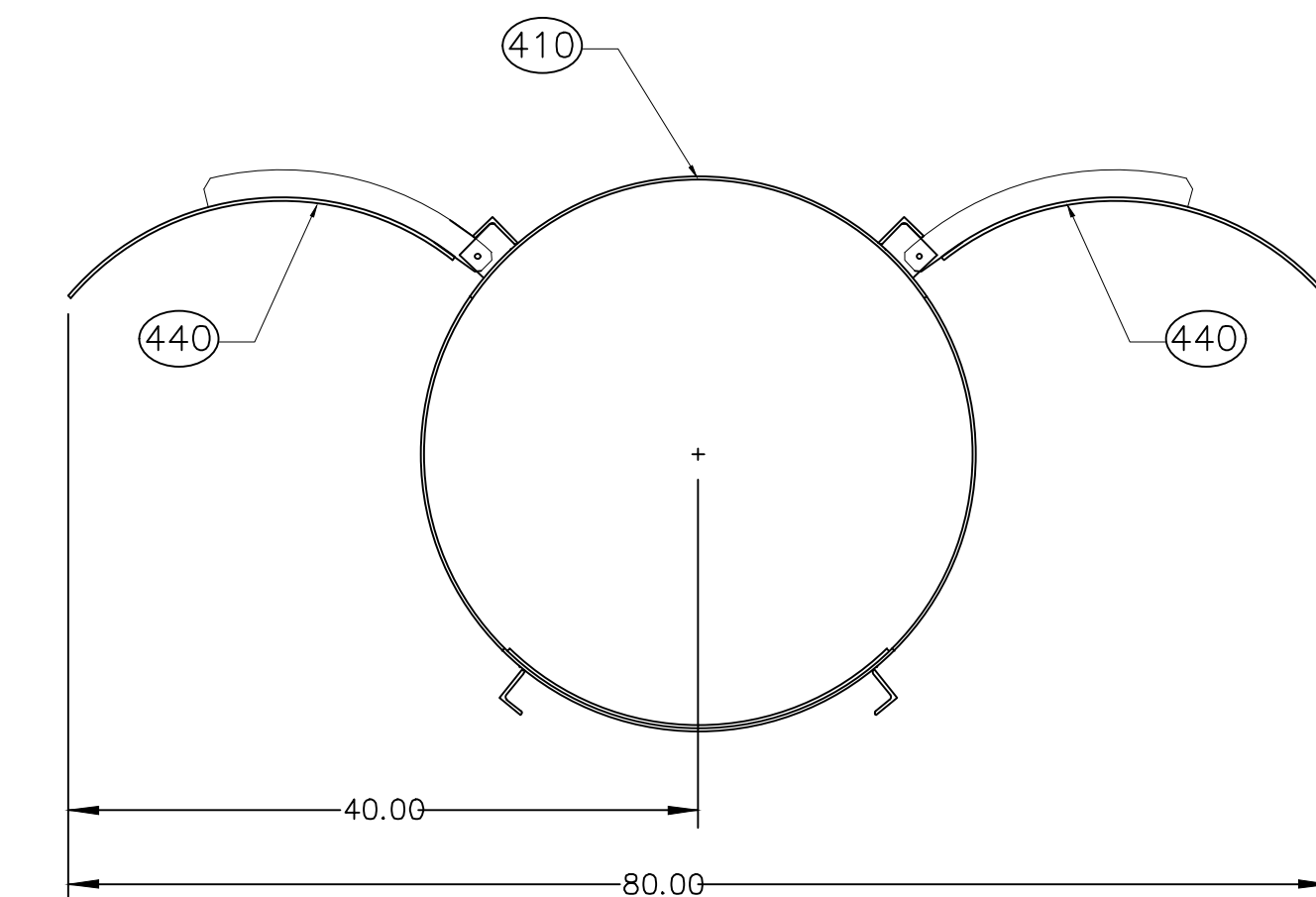
DETAIL 'B'



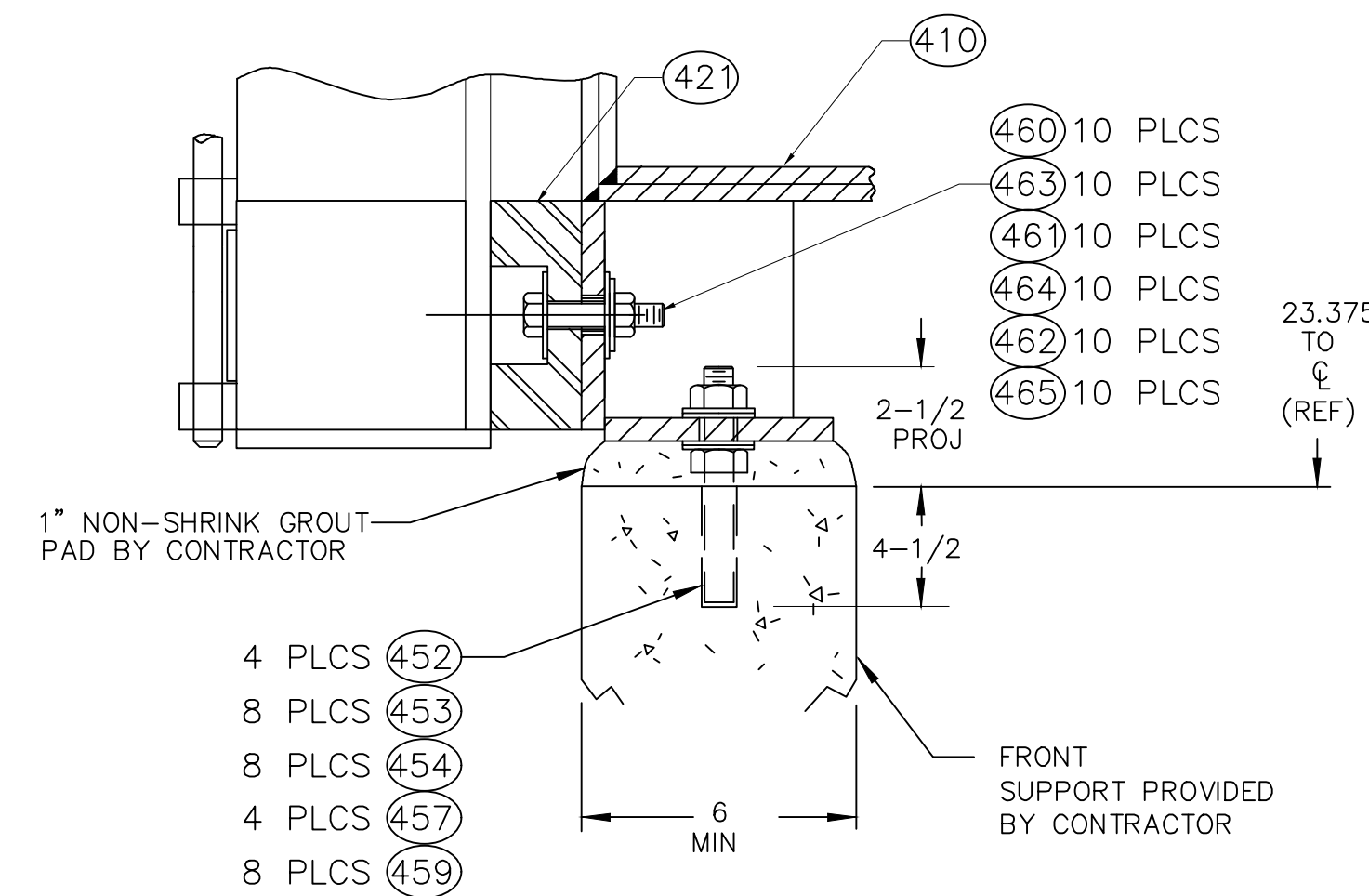
SECTION G-G



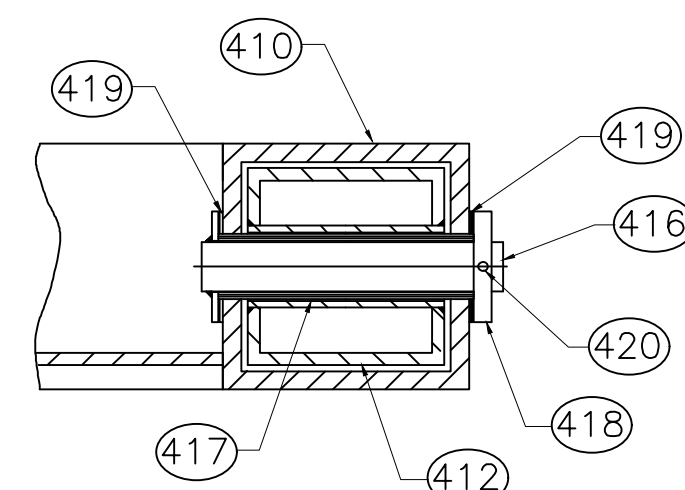
DETAIL 'H'



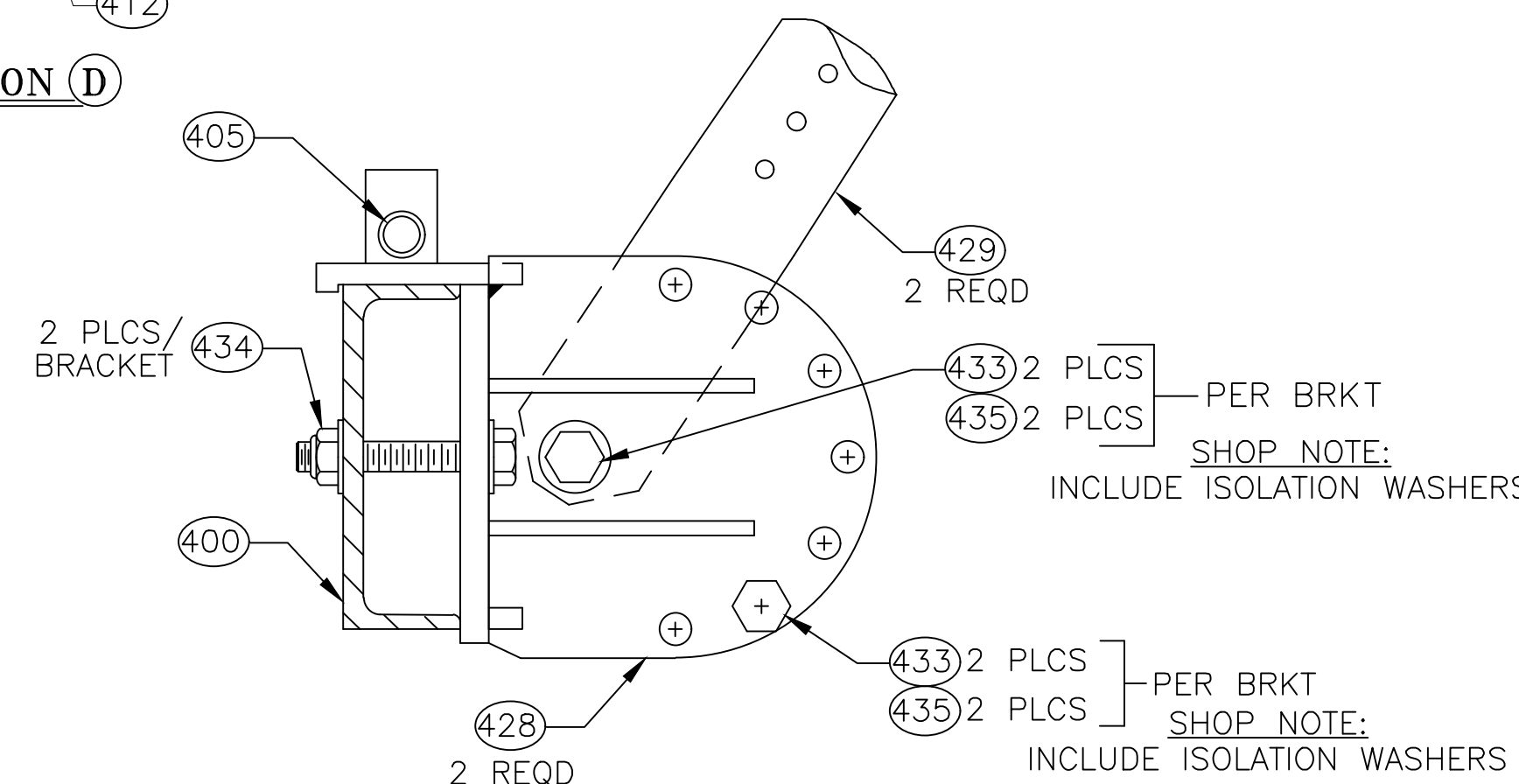
REQUIRED CLEARANCE DIMENSIONS
(COVER 440 FULL OPEN)



DETAIL 'A'



SECTION D



SECTION F

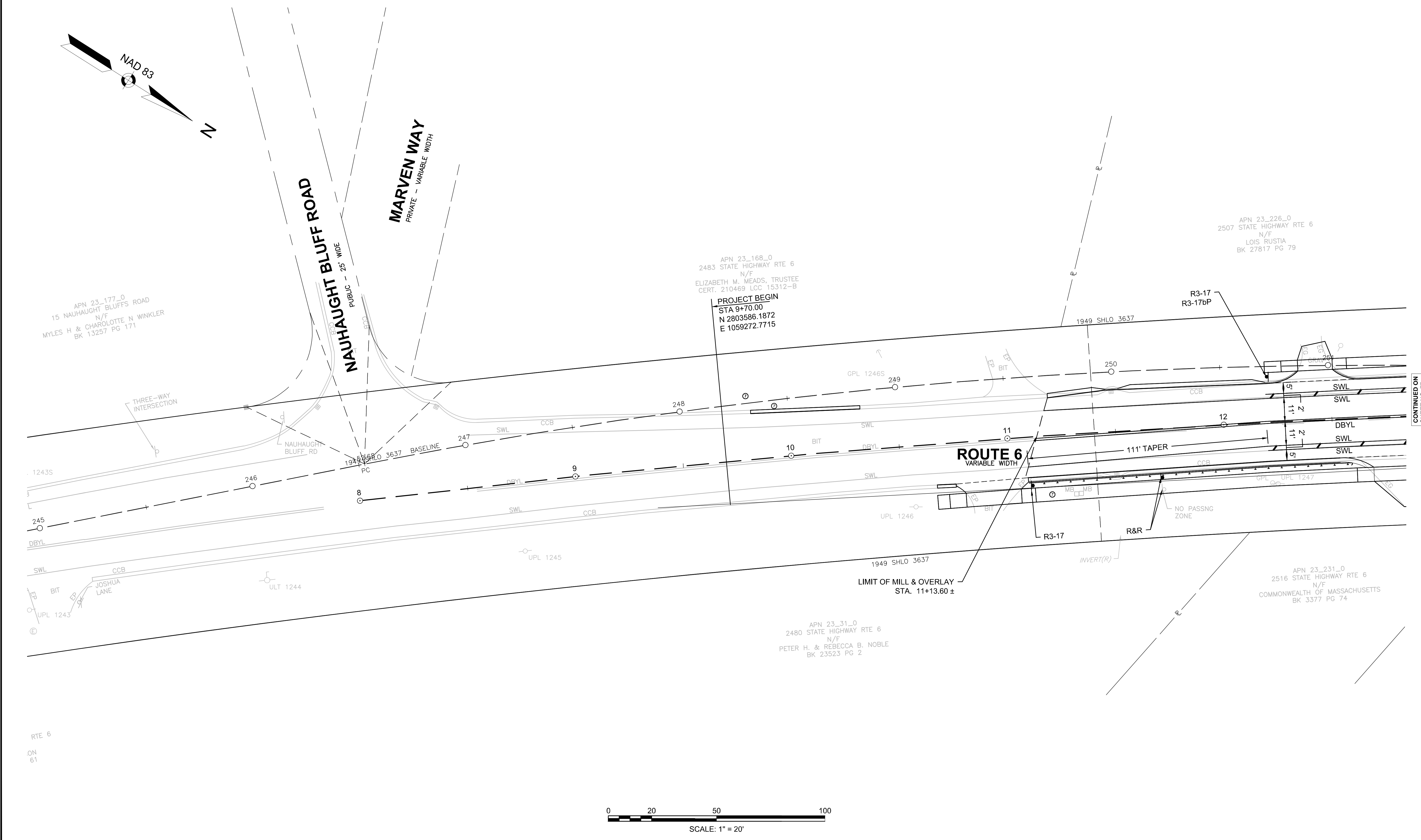
Max Seating Head = 7.1 Ft.
 Design Closure Level = 4.1 Ft. [El. 4.0'] Measured From Gate Invert

WELLFLEET
ROUTE 6 / MAIN STREET

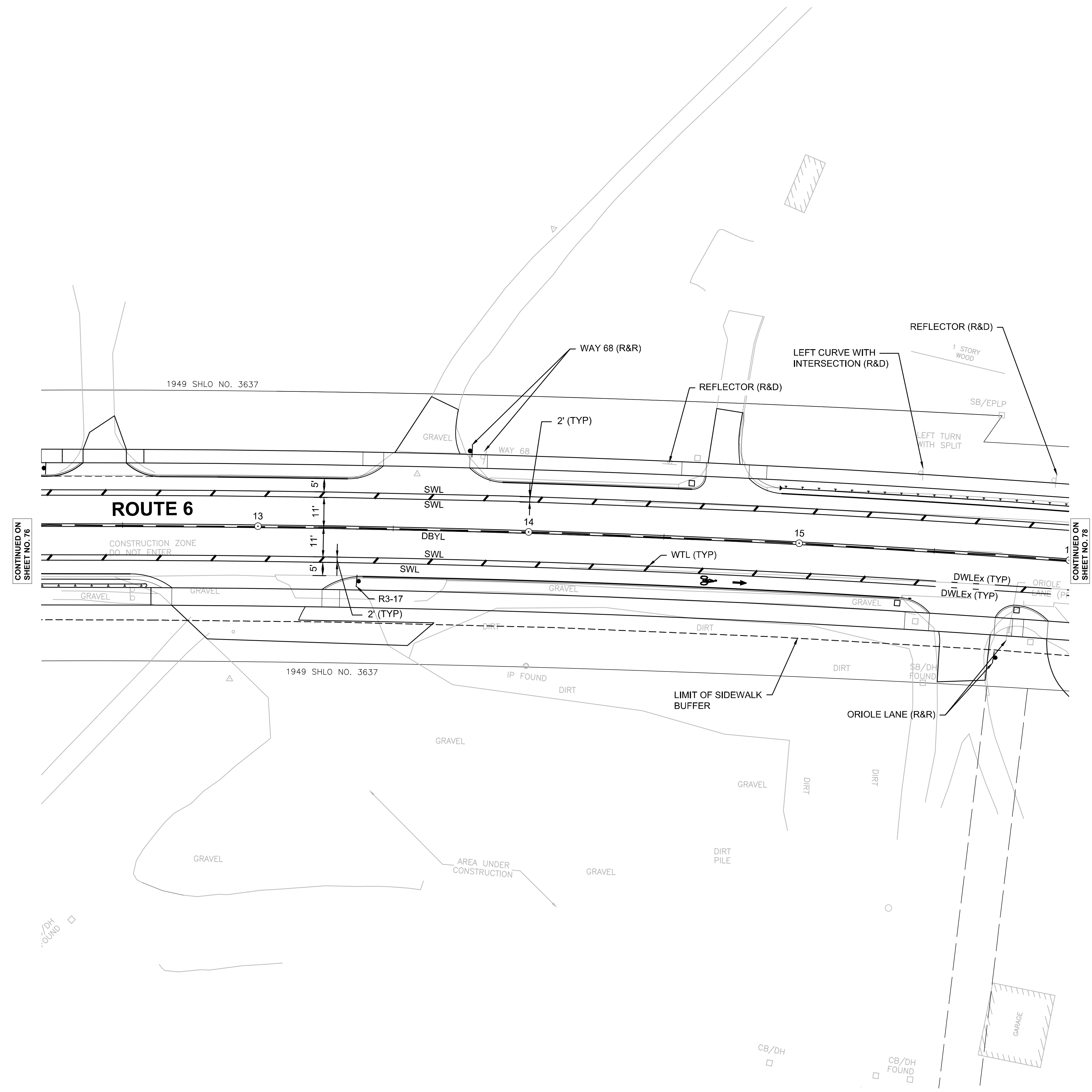
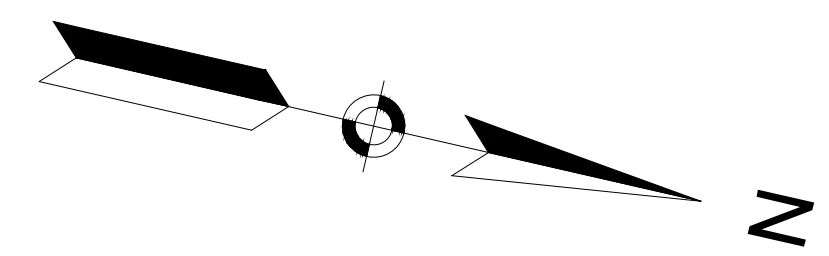
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	76	178
PROJECT FILE NO.		607397	

SIGN & PAVEMENT MARKINGS
PART 1 OF 11

607397_TR(SIGN-PAVE).DWG Plotted on 6-Jun-2023 5:47 PM



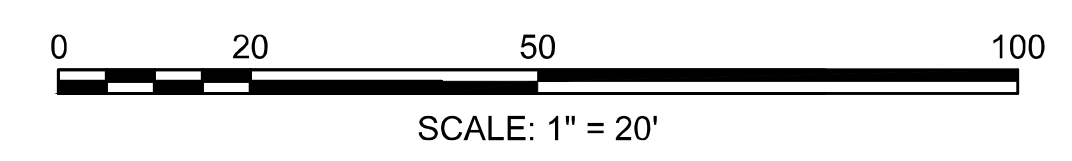
CONTINUED ON SHEET NO. 77



CONTINUED ON SHEET NO. 76

CONTINUED ON SHEET NO. 78

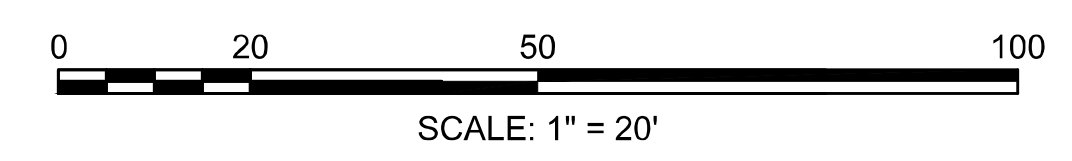
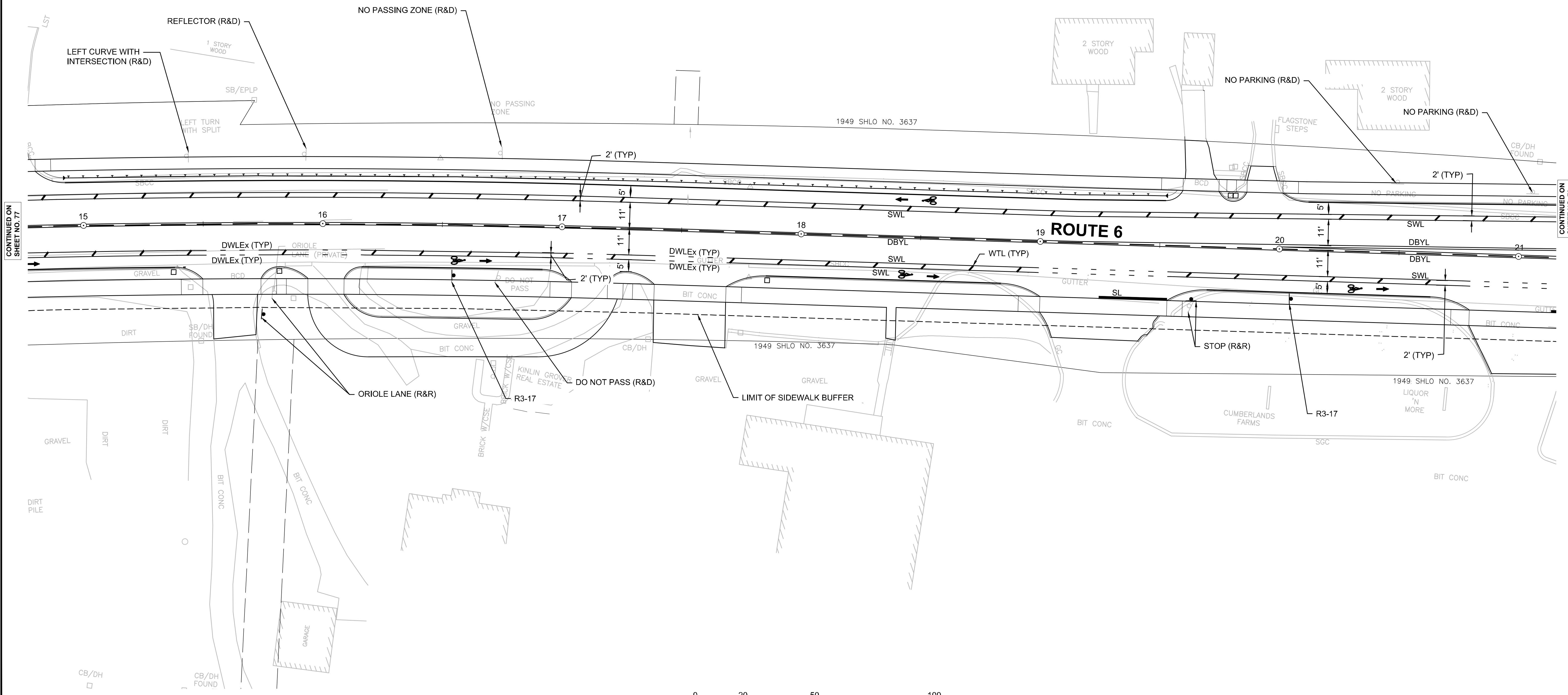
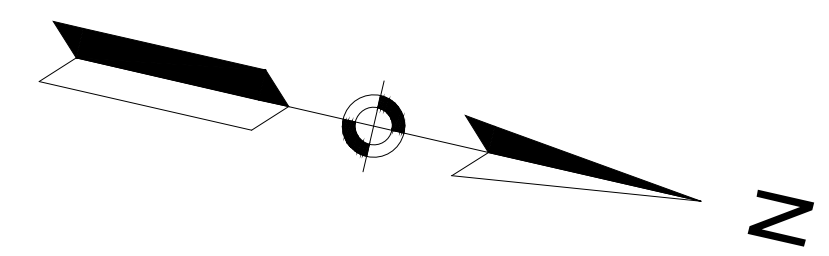
- NOTES:**
- FOR ADDITIONAL PAVEMENT MARKING DETAILS SEE SHEET 117.
 - SLOTTED PAVEMENT MARKERS (TWO-WAY YELLOW-YELLOW) SHALL BE INSTALLED ALONG THE DOUBLE YELLOW CENTERLINE OF ROUTE 6, BETWEEN THE SOUTHERN PROJECT LIMIT AND STA 39+50. THE SLOTTED PAVEMENT MARKERS SHALL BE INSTALLED PER TRAFFIC DRAWINGS TR 6.2 AND TR 6.5 IN THE MASSDOT 1996 CONSTRUCTION AND TRAFFIC STANDARD DETAILS.



**WELLFLEET
ROUTE 6 / MAIN STREET**

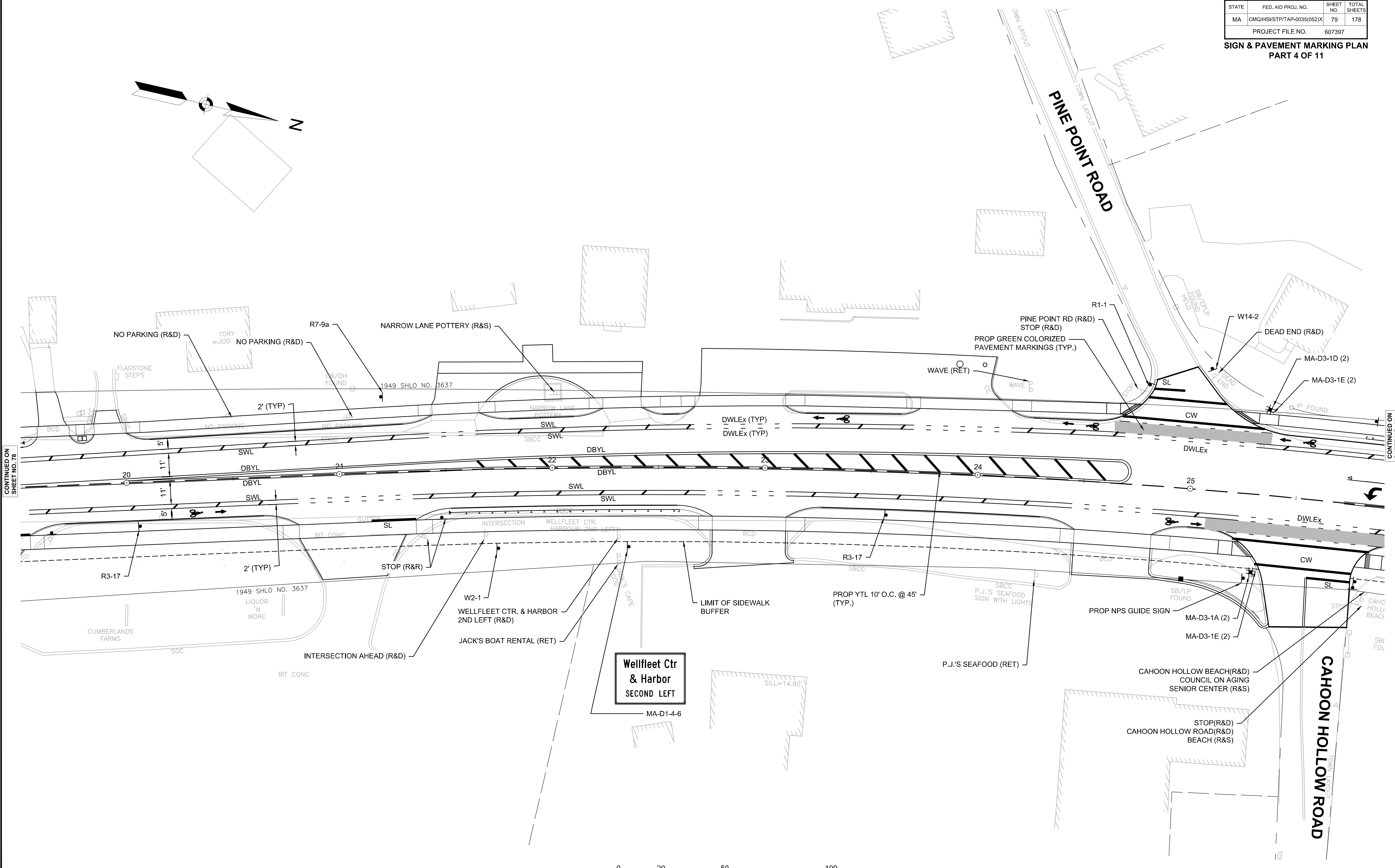
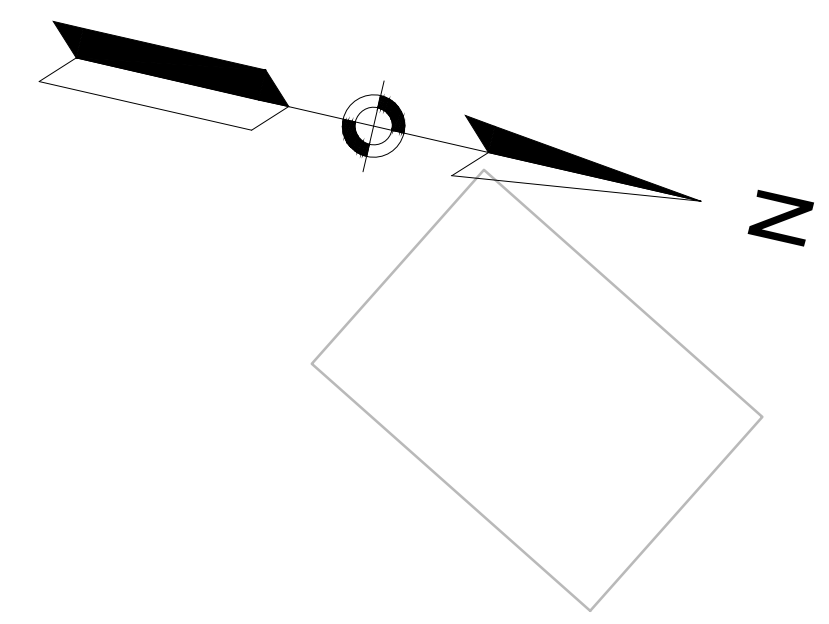
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	78	178
PROJECT FILE NO.		607397	

**SIGN & PAVEMENT MARKING PLAN
PART 3 OF 11**



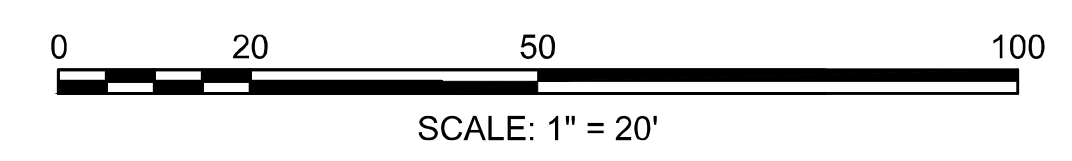
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CONTINUED ON SHEET NO. 79



CONTINUED ON SHEET NO. 78

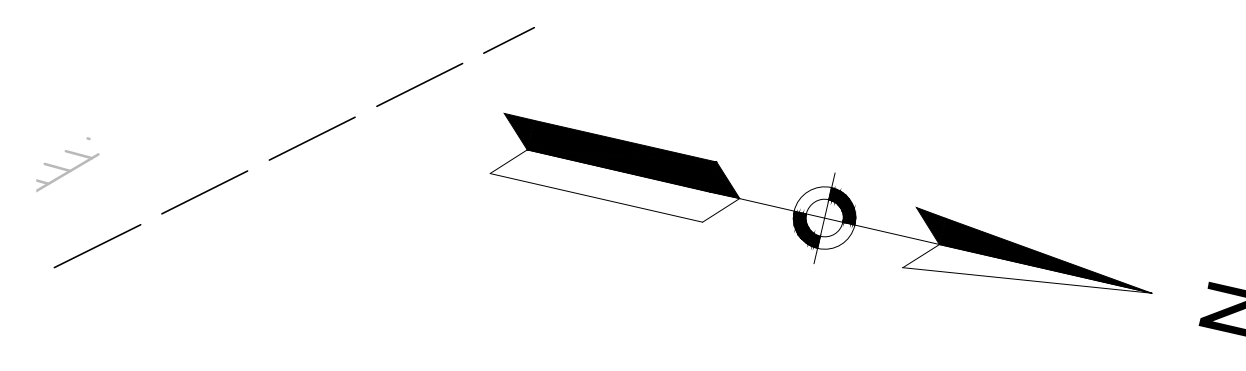
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**WELLFLEET
ROUTE 6 / MAIN STREET**

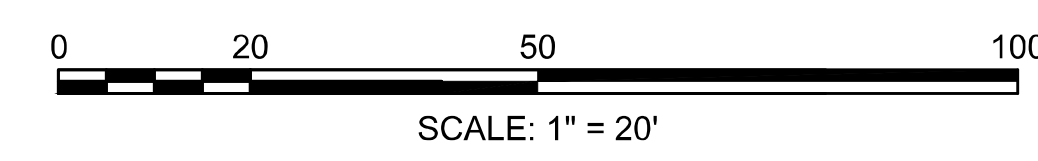
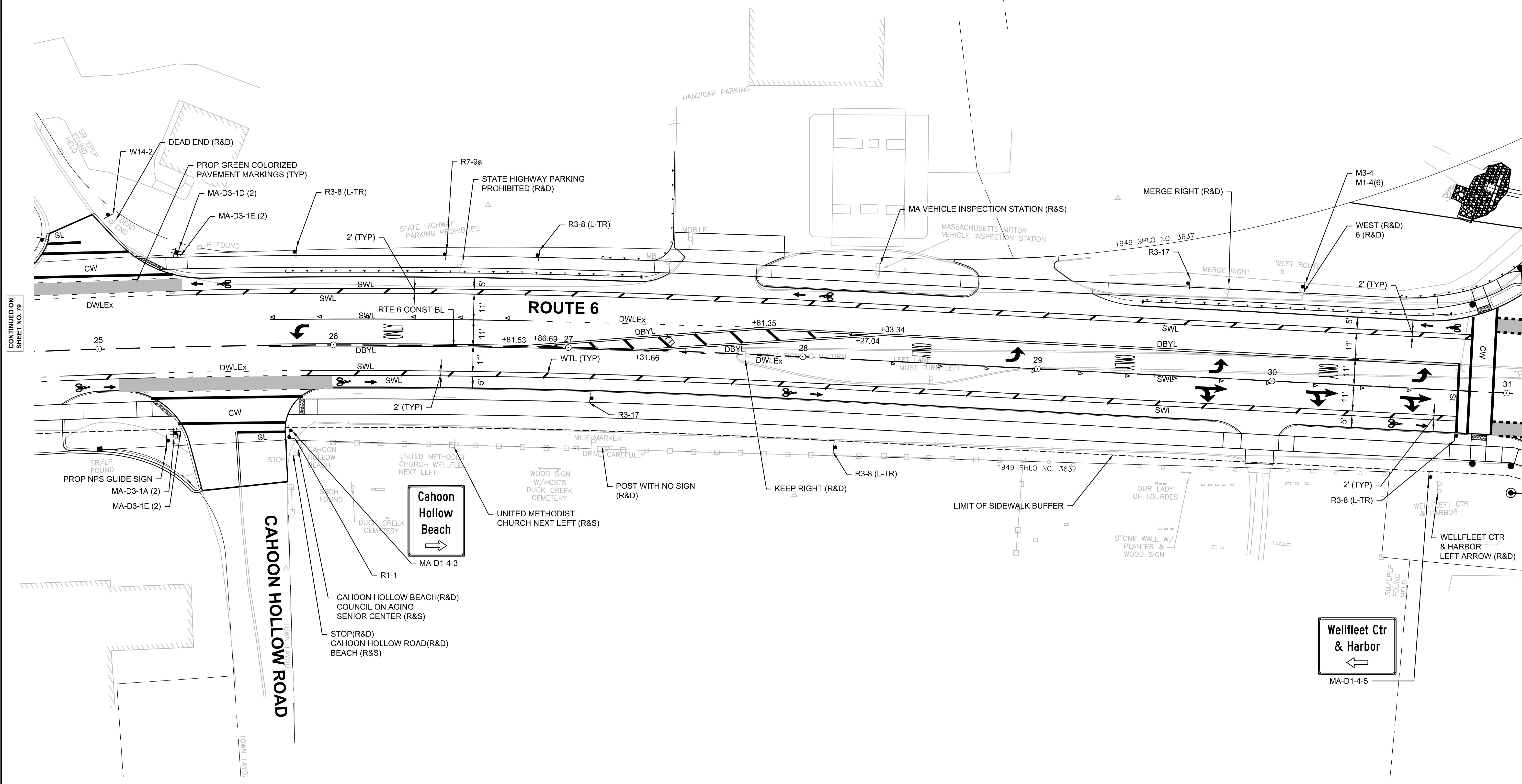
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MA	CMQ/HS/STP/TAP-0035(052)X	80	178
PROJECT FILE NO. 607397			

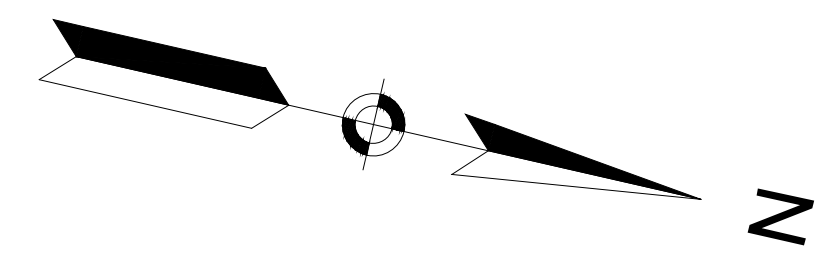
**SIGN & PAVEMENT MARKING PLAN
PART 5 OF 11**



CONTINUED ON
SHEET NO. 79

CONTINUED ON
SHEET NO. 81

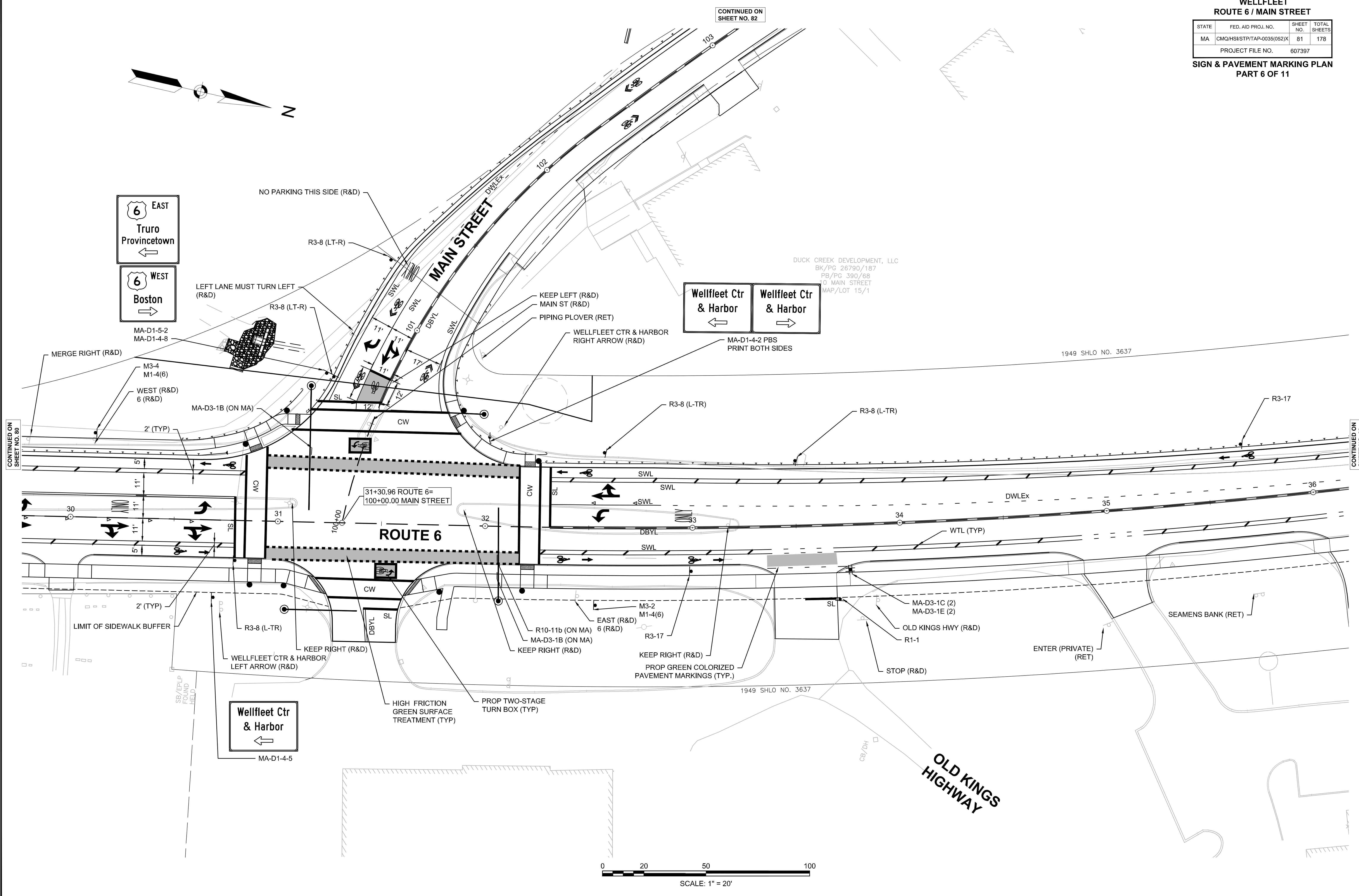




CONTINUED ON
SHEET NO. 82

CONTINUED ON
SHEET NO. 80

CONTINUED ON
SHEET NO. 83



DUCK CREEK DEVELOPMENT, LLC
BK/PG 26790/187
PB/PG 390/68
0 MAIN STREET
MAP/LOT 15/1

1949 SHLO NO. 3637

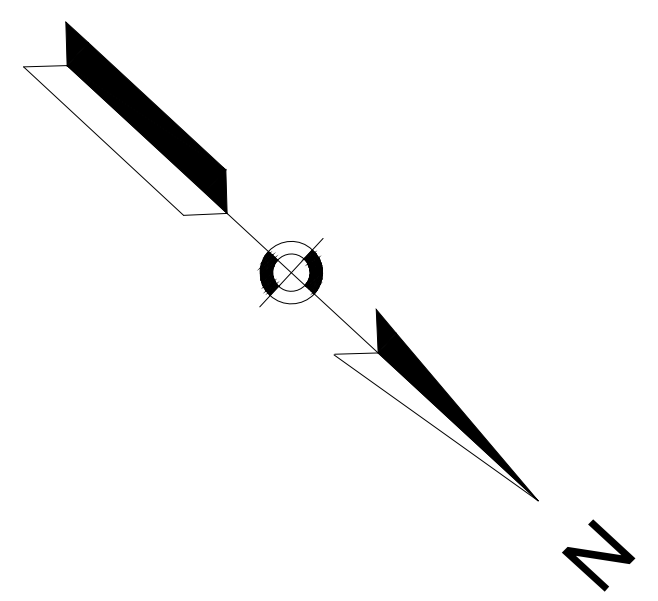
1949 SHLO NO. 3637

0 20 50 100
SCALE: 1" = 20'

**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	82	178
PROJECT FILE NO.		607397	

**SIGN & PAVEMENT MARKING PLAN
PART 7 OF 11**



6 EAST
Truro
Provincetown
NEXT LEFT

6 WEST
Boston
NEXT RIGHT

MA-D1-5-1
MA-D1-4-7

WEST (R&D)
6 (R&D)
BIDIRECTIONAL ARROW (R&D)

U.S. 6
WEST

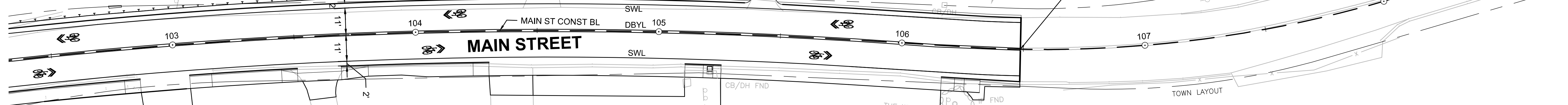
NO PARKING
EITHER SIDE

LIMIT OF WORK
STA 106+48.79

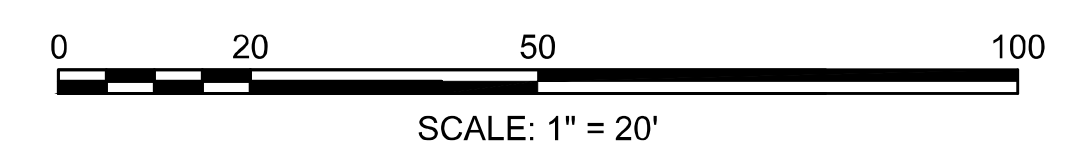
TOWN LAYOUT

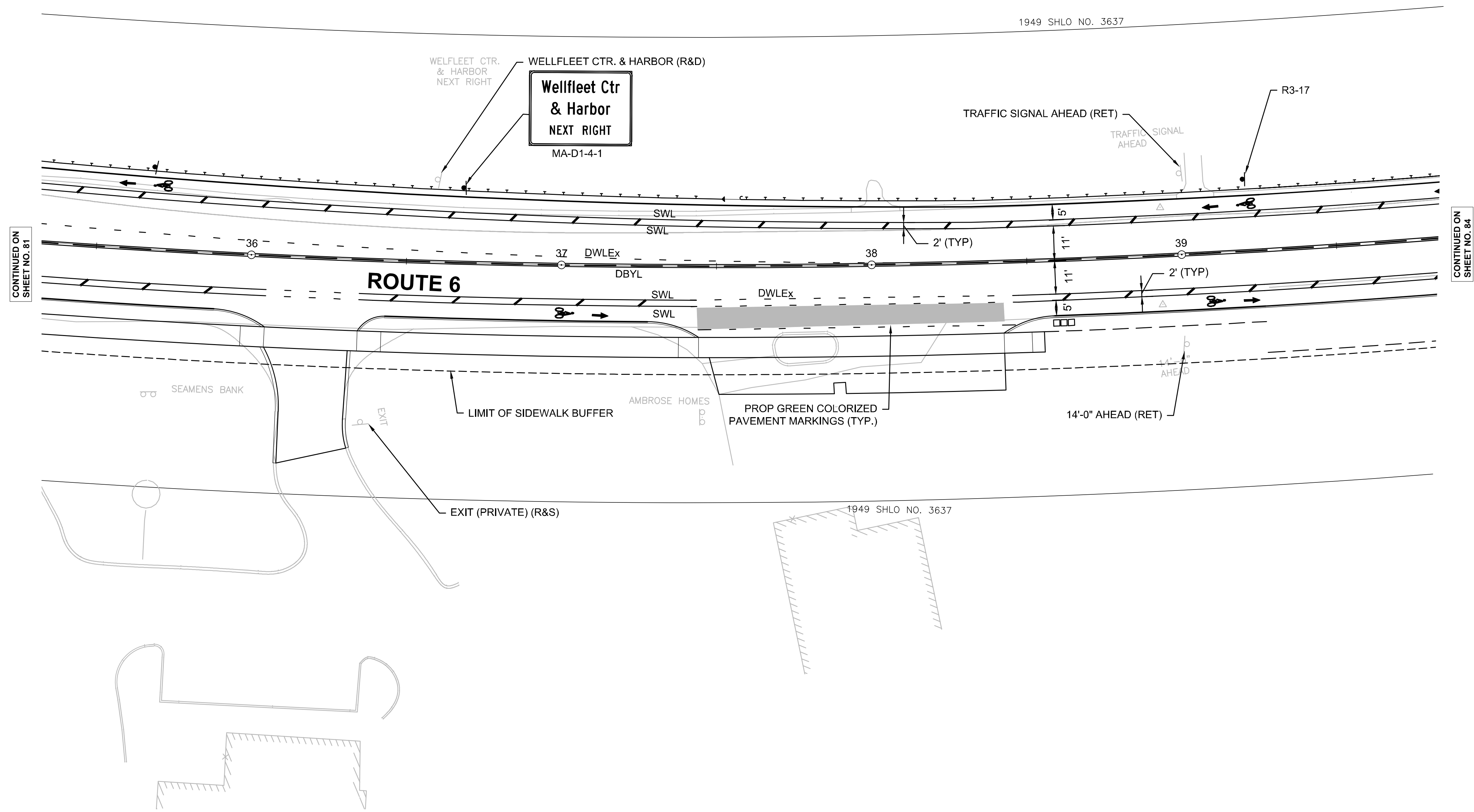
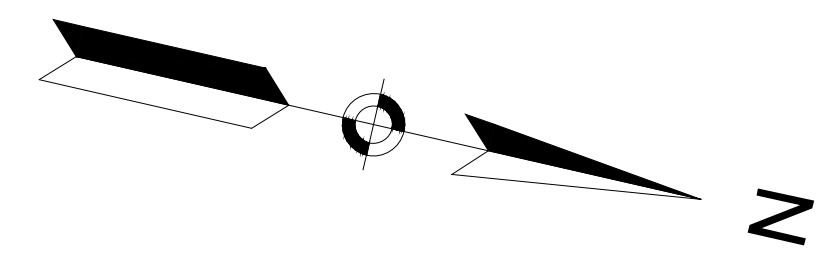
108

108+7



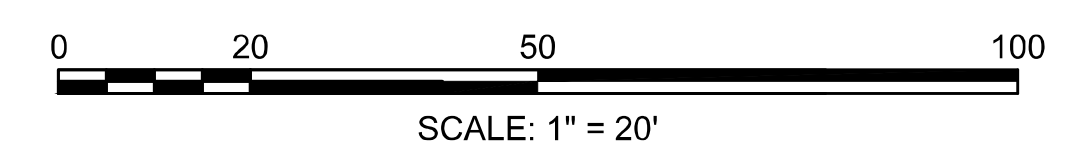
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SHEET NO. 81





CONTINUED ON SHEET NO. 81

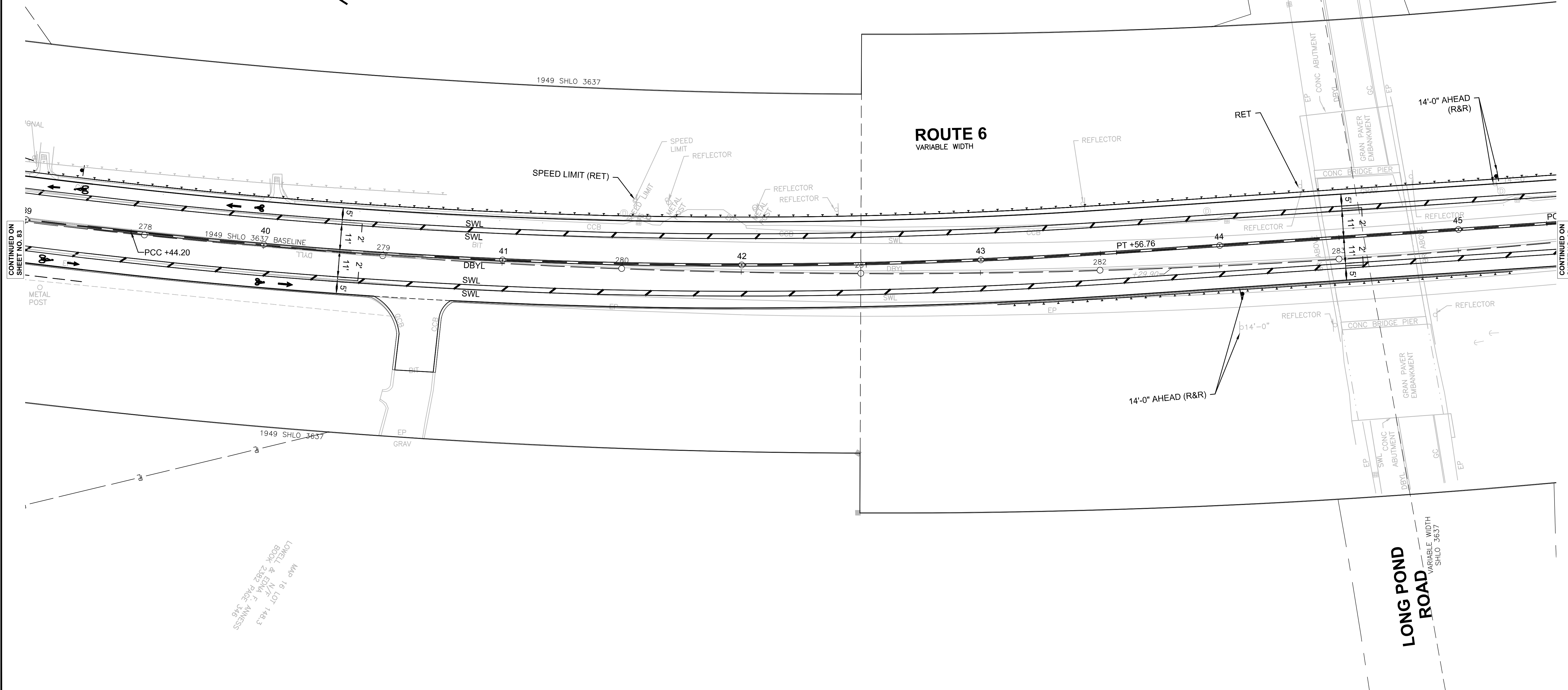
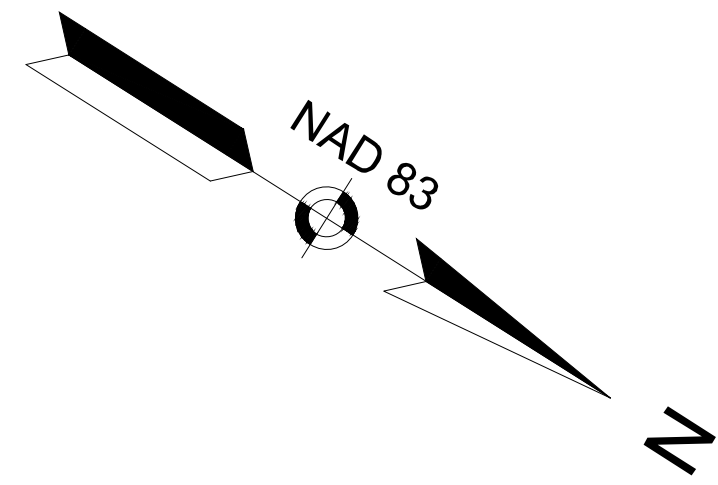
CONTINUED ON SHEET NO. 84



WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	84	178
PROJECT FILE NO.		607397	

SIGN & PAVEMENT MARKINGS
PART 9 OF 11



CONTINUED ON
SHEET NO. 83

CONTINUED ON
SHEET NO. 85

MAP 16 LOT 148.3
LOWELL & EDNA F. ANNEXES
BOOK 2382 PAGE 348

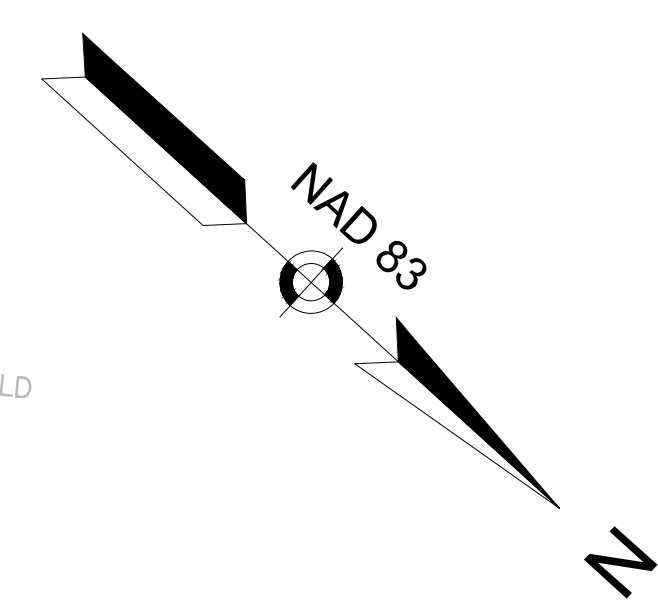


WELFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	85	178
PROJECT FILE NO.		607397	

SIGN & PAVEMENT MARKINGS
PART 10 OF 11

APN 13_81_0
15 SCHOOL STREET
N/F
T EMANUEL HEYLIGER
BK 19712 PG 68

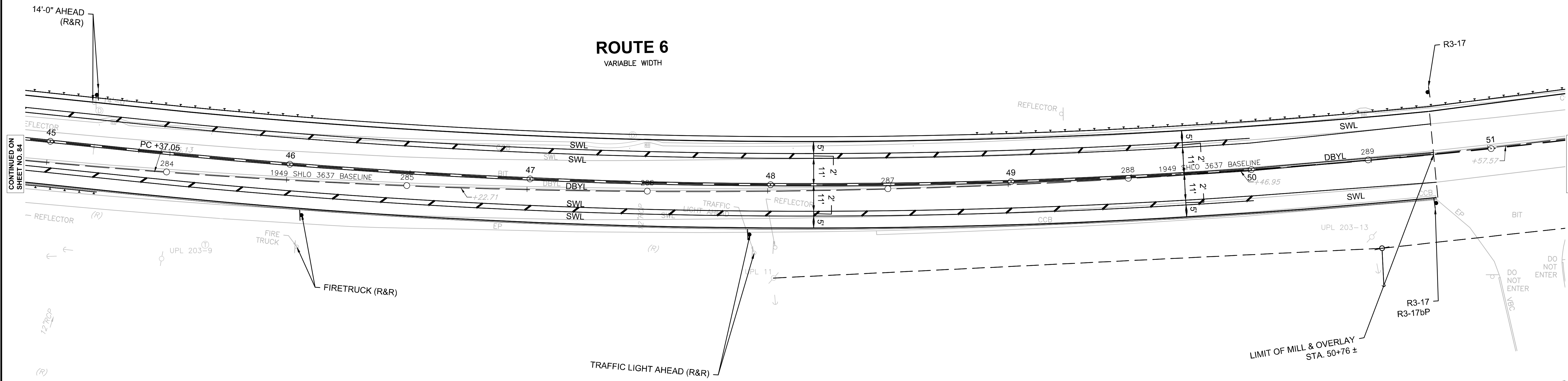


APN 15_9_0
65 LONG POND ROAD
N/F
WILLIAM & HELEN MARIE RONALD
BK 1521 PG 65

APN 15_158_0
ROUTE 6
N/F
TOWN OF WELFLEET
BK 538 PG 1

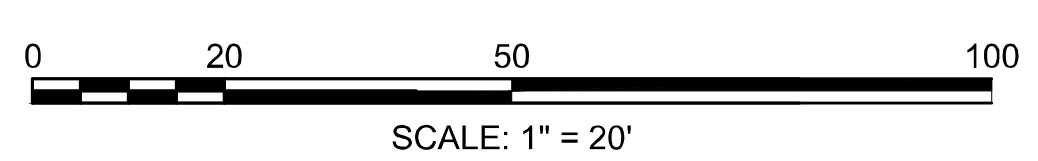
APN 13_81_0
15 SCHOOL STREET
N/F
T EMANUEL HEYLIGER
BK 19712 PG 68

ROUTE 6
VARIABLE WIDTH



CONTINUED ON
SHEET NO. 84

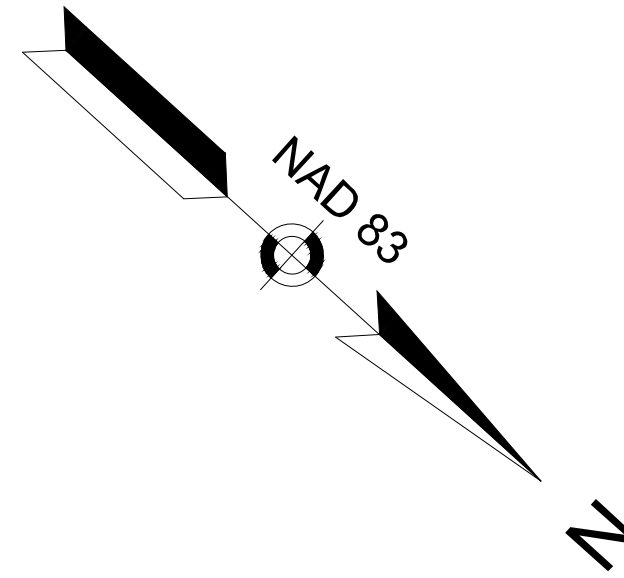
CONTINUED ON
SHEET NO. 86



WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	86	178
PROJECT FILE NO.		607397	

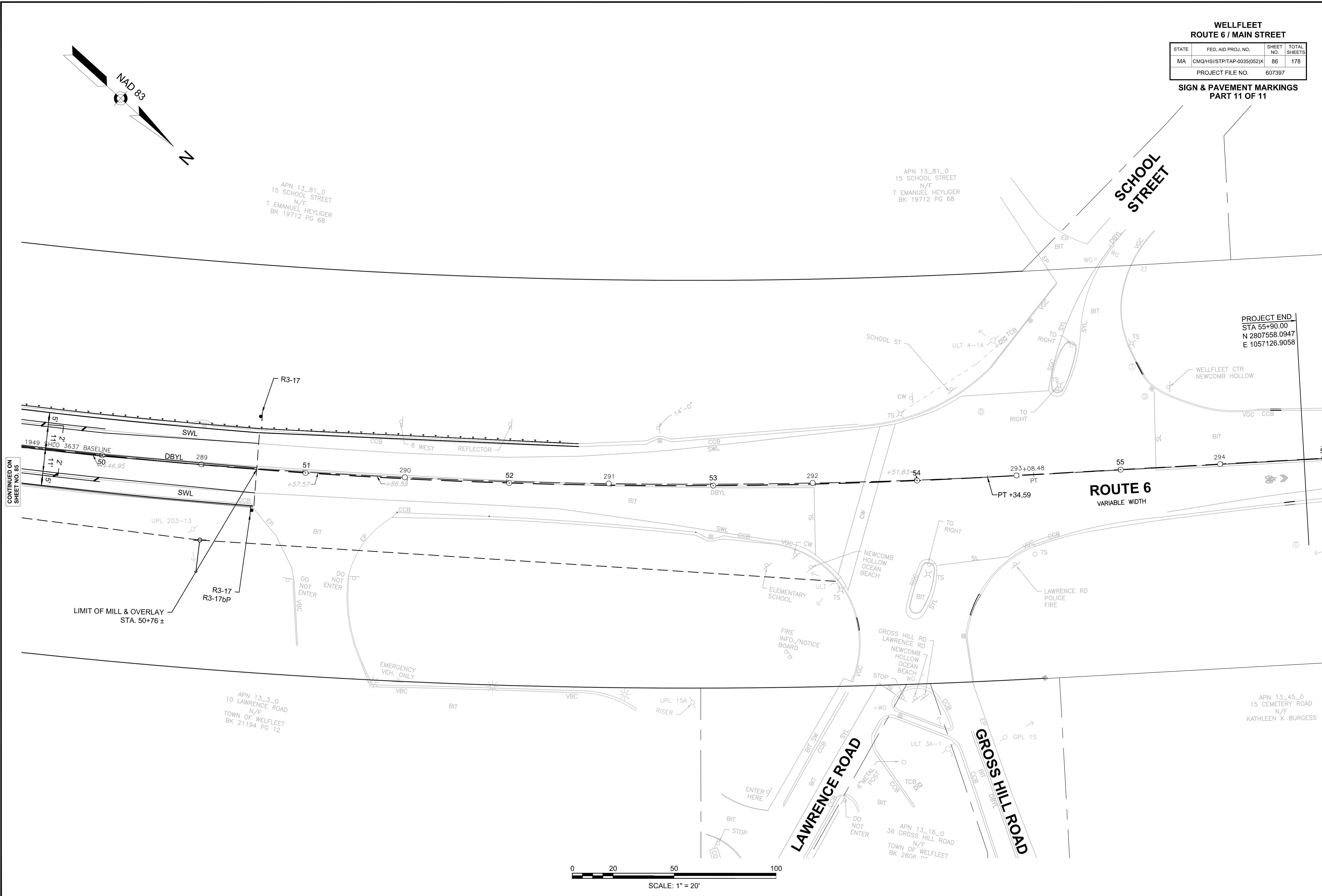
SIGN & PAVEMENT MARKINGS
PART 11 OF 11



APN 13_81_0
15 SCHOOL STREET
N/F
T EMANUEL HEYLIGER
BK 19712 PG 68

APN 13_81_0
15 SCHOOL STREET
N/F
T EMANUEL HEYLIGER
BK 19712 PG 68

PROJECT END
STA 55+90.00
N 2807558.0947
E 1057126.9058

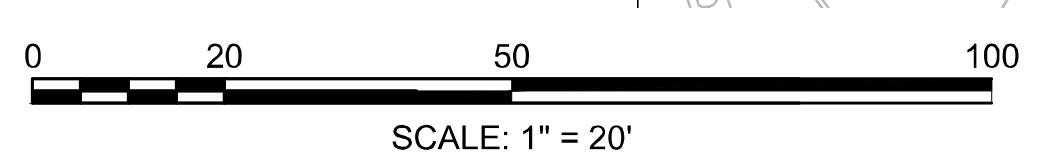


CONTINUED ON
SHEET NO. 85



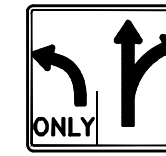









LIMIT OF MILL & OVERLAY
STA. 50+76 ±






APN 13_3_0
10 LAWRENCE ROAD
N/F
TOWN OF WELLFLEET
BK 21194 PG 12

APN 13_45_0
15 CEMETERY ROAD
N/F
KATHLEEN K BURGESS



NOTE: ALL STREET NAME SIGNS ARE TO BE PAINTED ONE SIDE (POS). P5 POST MOUNTED SIGNS SHALL BE MOUNTED BACK TO BACK AND BOLTED THROUGH THE POST

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS			NUMBER OF SIGNS REQUIRED	COLOR			POST SIZE AND NUMBER REQUIRED	UNIT AREA (SF)	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW		BACK-GROUND	LEGEND	BORDER			
R1-1	30"	30"		SEE MUTCD	SEE MUTCD	SEE MUTCD	3	RED	WHITE	WHITE	1 P5 3	6.25	18.75
R3-8(LT-R)	36"	30"					2	WHITE	BLACK	BLACK	1 P5 2	7.5	15.00
R3-8(L-TR)	36"	30"					6	WHITE	BLACK	BLACK	1 P5 6	7.5	45.00
R3-17	24"	18"					13	BLACK WHITE	WHITE BLACK	BLACK BLACK	1 P5 13	3.00	39.00
R3-17bP	24"	8"					2	WHITE	BLACK	BLACK	MOUNTED WITH R3-17	1.33	2.67
R7-9a	12"	18"					2	WHITE	RED /BLACK	BLACK	1 P5 2	1.50	3.00
R10-11b	36"	36"					1	WHITE	BLACK	BLACK	MOUNTED ON MAST ARM	9.00	9.00
W2-1	30"	30"					1	YELLOW	BLACK	BLACK	1 P5 1	6.25	6.25
W14-2	30"	30"					1	YELLOW	BLACK	BLACK	1 P5 1	6.25	6.25
M1-4(6)	24"	24"					2	WHITE	BLACK	BLACK	1 P5 2	4.00	8.00
M3-2	24"	12"					1	WHITE	BLACK	BLACK	MOUNTED WITH M1-4	2.00	2.00
M3-4	24"	12"					1	WHITE	BLACK	BLACK	MOUNTED WITH M1-4	2.00	2.00

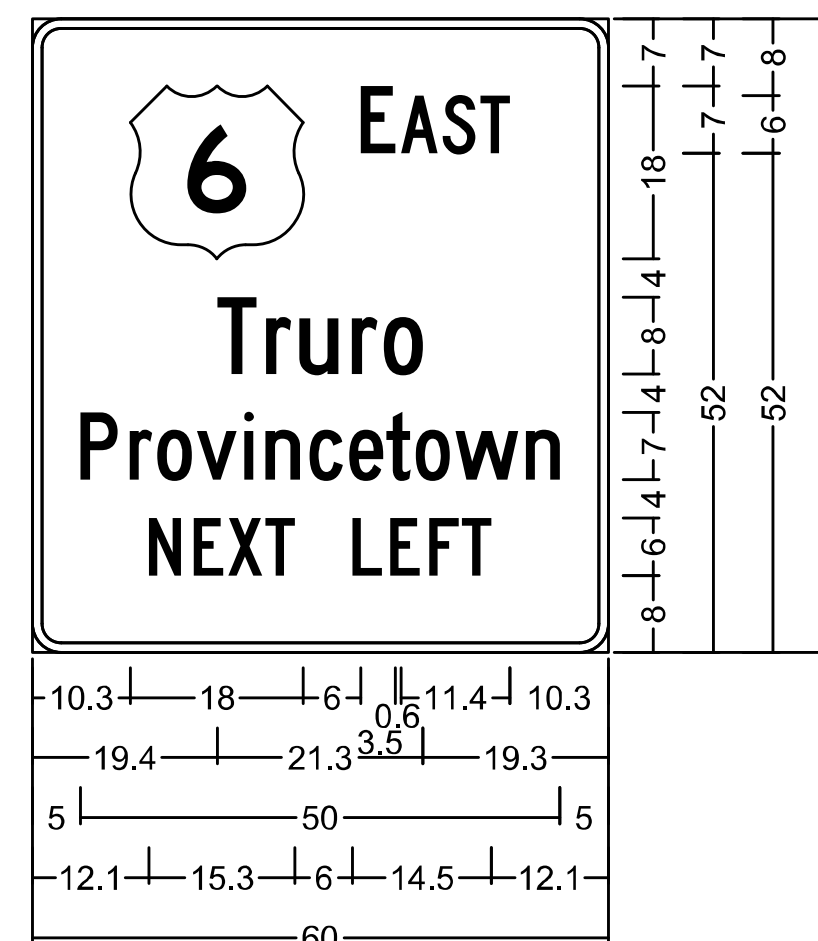
IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS			NUMBER OF SIGNS REQUIRED	COLOR			POST SIZE AND NUMBER REQUIRED	UNIT AREA (SF)	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW		BACK-GROUND	LEGEND	BORDER			
MA-D3-1A	72"	12"		6" D / 4" D	3" 3"		2	GREEN	WHITE	WHITE	1 P5 1	6.00	12.00
MA-D3-1B	45"	18"		8" D / 5.33" D	5" 5"		2	GREEN	WHITE	WHITE	MOUNTED ON MAST ARM	5.63	11.26
MA-D3-1C	57"	12"		6" D / 4" D	2.75" 3.25"		2	GREEN	WHITE	WHITE	1 P5 1	4.75	9.50
MA-D3-1D	54"	12"		6" D / 4" D	3" 3"		2	GREEN	WHITE	WHITE	1 P5 1	4.50	9.00
MA-D3-1E	54"	12"		6" D / 4" D	3" 3"		6	GREEN	WHITE	WHITE	MOUNTED WITH D3-1A/D OR R1-1	4.50	27.00

WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	88	178
PROJECT FILE NO.		607397	

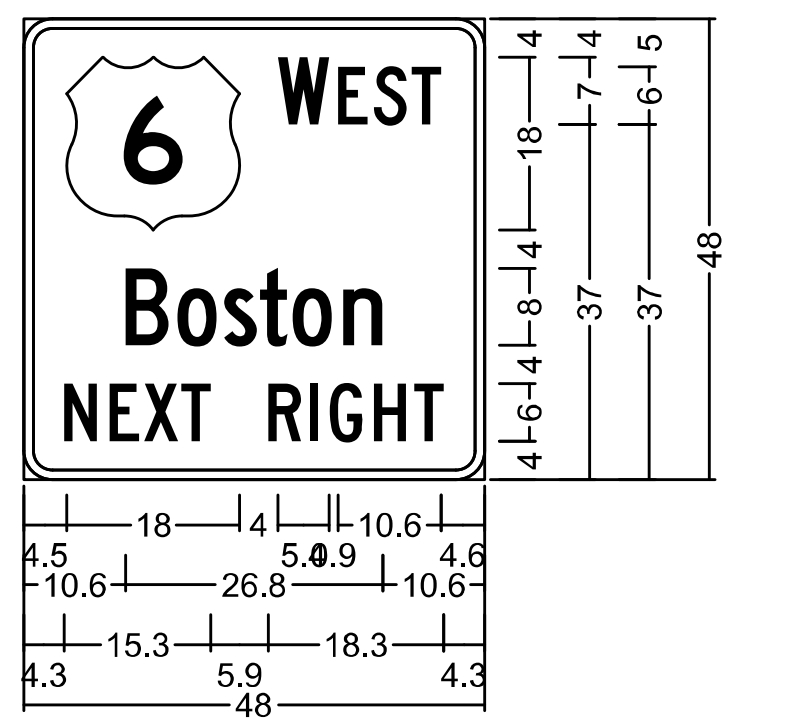
GUIDE SIGN SUMMARY

MA-D1-5-1		
5.00'	5.50'	27.50 SF
BACKGROUND	LEGEND	BORDER
GREEN REFL.	SILVER WHITE	SILVER WHITE



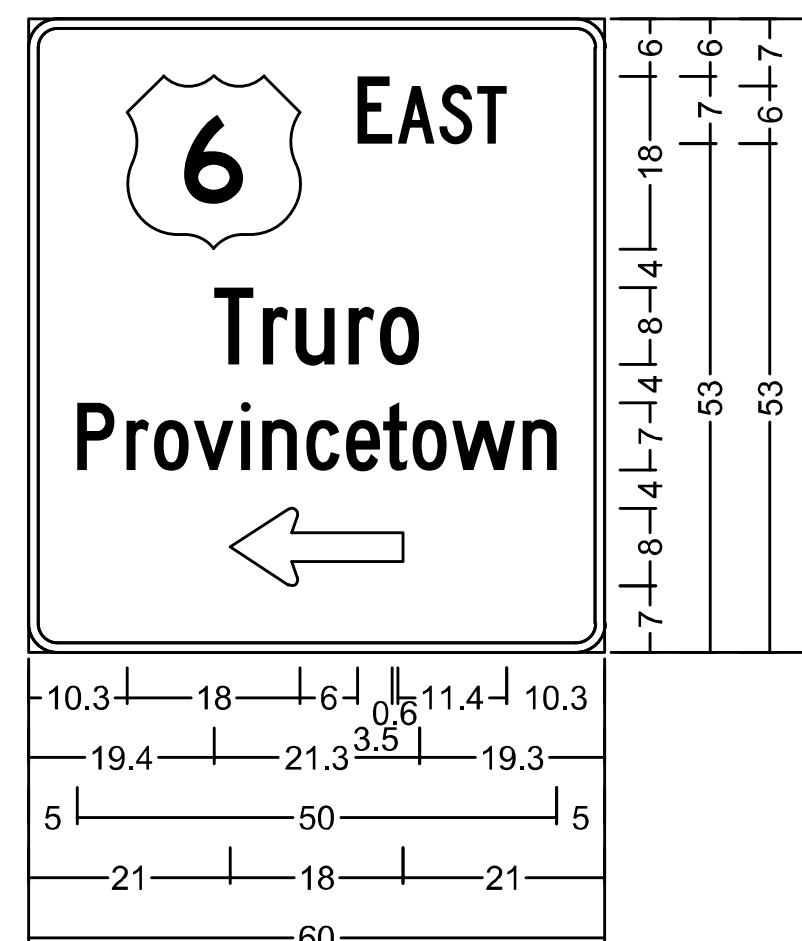
3.0" Radius, 1.0" Border, White on, Green;
"EAST", C 2K; "Truro", C 2K;
"Provincetown", C 2K;
"NEXT LEFT", C 2K;

MA-D1-4-7		
4.00'	4.00'	16.00 SF
BACKGROUND	LEGEND	BORDER
GREEN REFL.	SILVER WHITE	SILVER WHITE



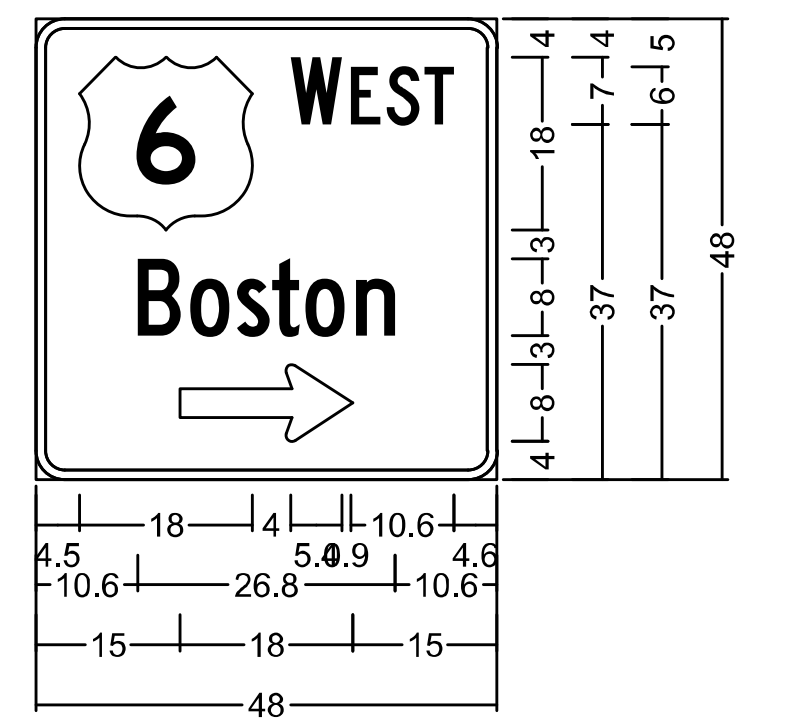
3.0" Radius, 1.0" Border, White on, Green;
"WEST", C 2K;
"Boston", C 2K;
"NEXT RIGHT", C 2K;

MA-D1-5-2		
5.00'	5.50'	27.50 SF
BACKGROUND	LEGEND	BORDER
GREEN REFL.	SILVER WHITE	SILVER WHITE



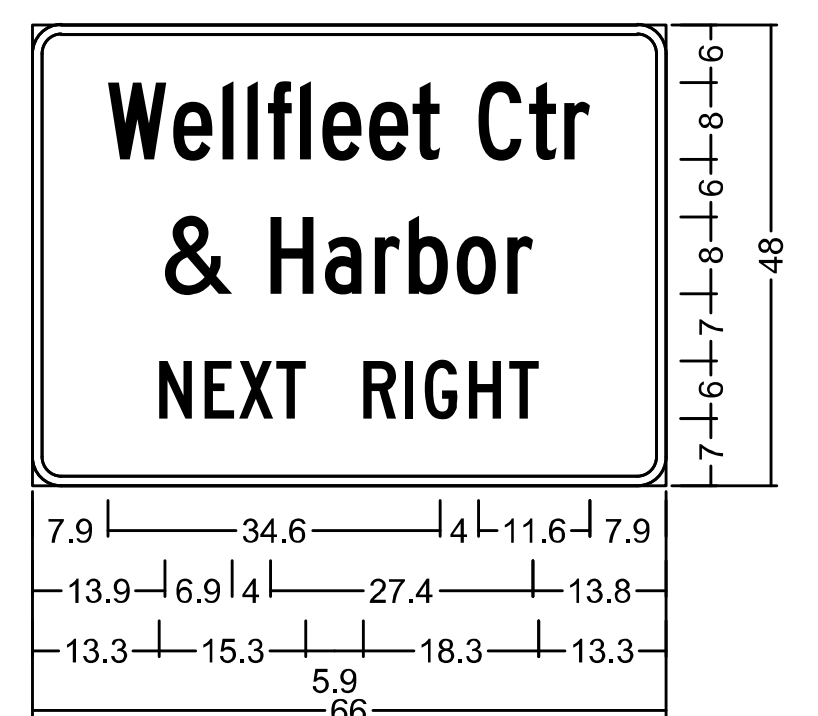
3.0" Radius, 1.0" Border, White on, Green;
"EAST", C 2K; "Truro", C 2K;
"Provincetown", C 2K;
Standard Arrow Custom 18.0" X 8.1" 180°;

MA-D1-4-8		
4.00'	4.00'	16.00 SF
BACKGROUND	LEGEND	BORDER
GREEN REFL.	SILVER WHITE	SILVER WHITE



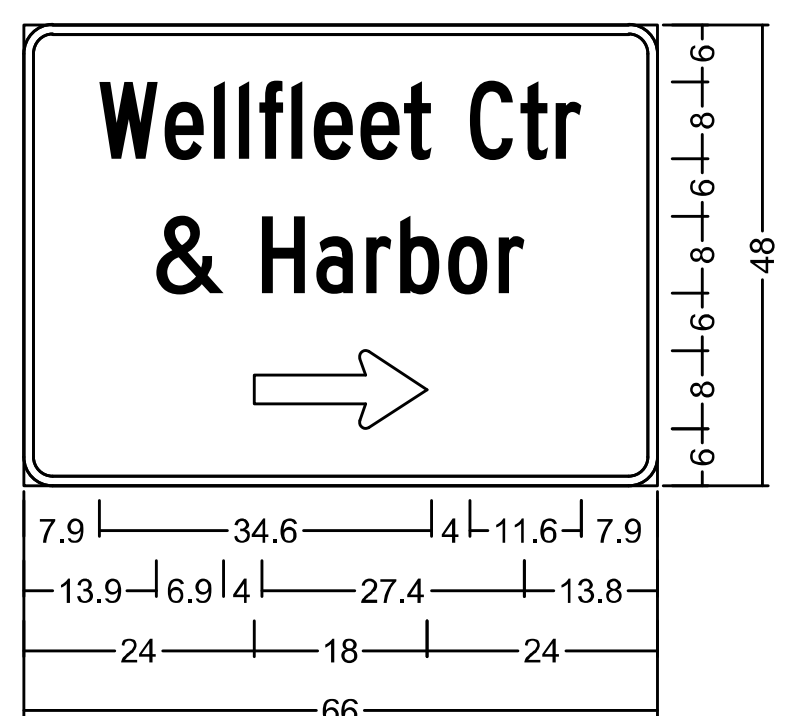
3.0" Radius, 1.0" Border, White on, Green;
"WEST", C 2K;
"Boston", C 2K;
Standard Arrow Custom 18.0" X 8.0" 0°;

MA-D1-4-1		
5.50'	4.00'	22.00 SF
BACKGROUND	LEGEND	BORDER
GREEN REFL.	SILVER WHITE	SILVER WHITE



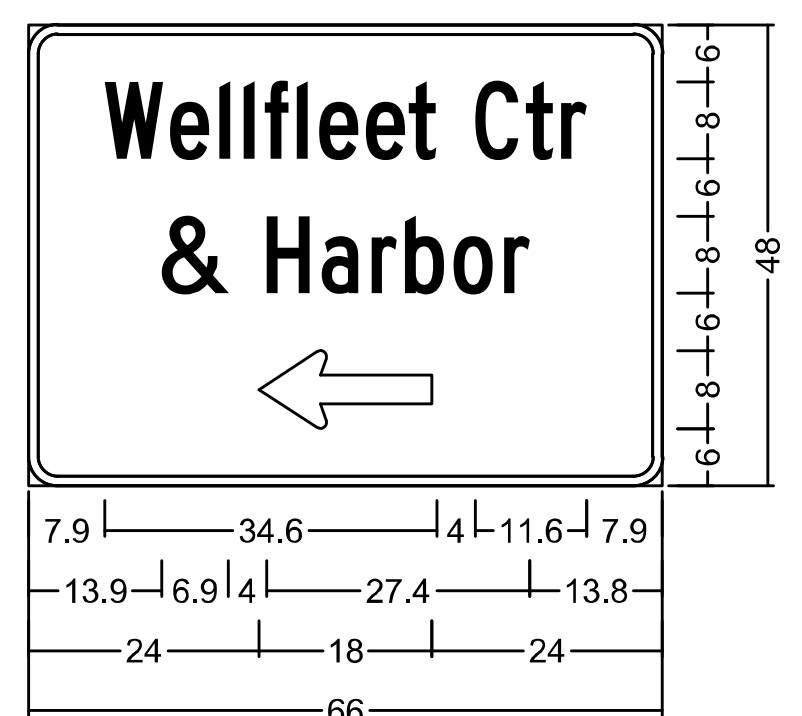
3.0" Radius, 1.0" Border, White on, Green;
"Wellfleet Ctr", C 2K;
"& Harbor", C 2K;
"NEXT RIGHT", C 2K;

MA-D1-4-2 (PBS)		
5.50'	4.00'	29.33 SF
BACKGROUND	LEGEND	BORDER
GREEN REFL.	SILVER WHITE	SILVER WHITE



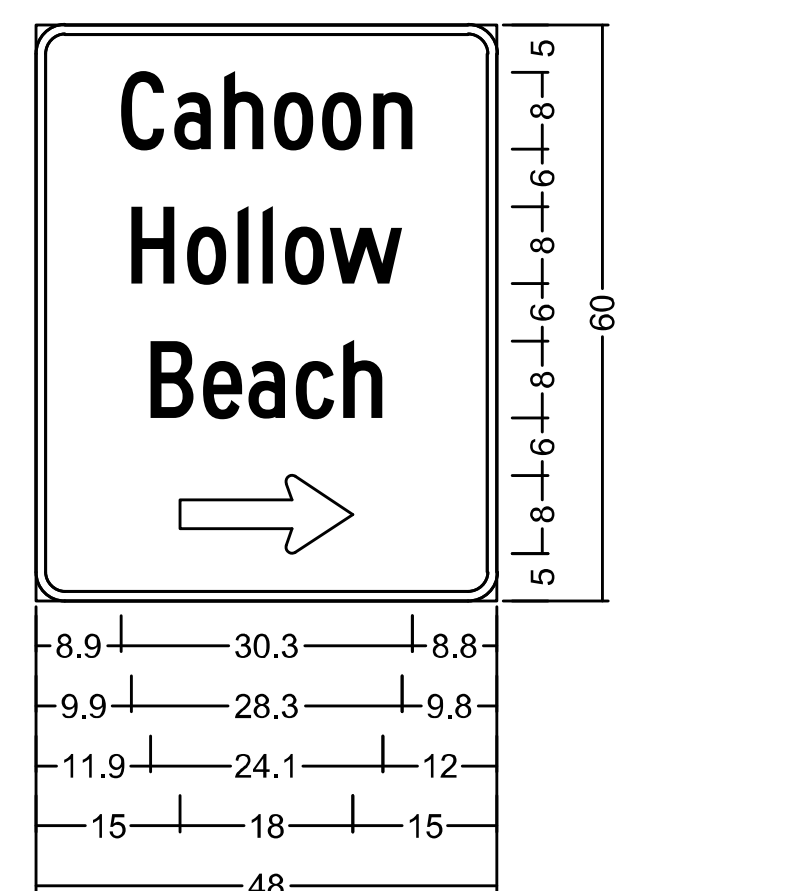
3.0" Radius, 1.0" Border, White on, Green;
"Wellfleet Ctr", C 2K;
"& Harbor", C 2K;
Standard Arrow Custom 18.0" X 8.1" 0°;

AREA INCREASED 1/3 FOR PRINTING BOTH SIDES



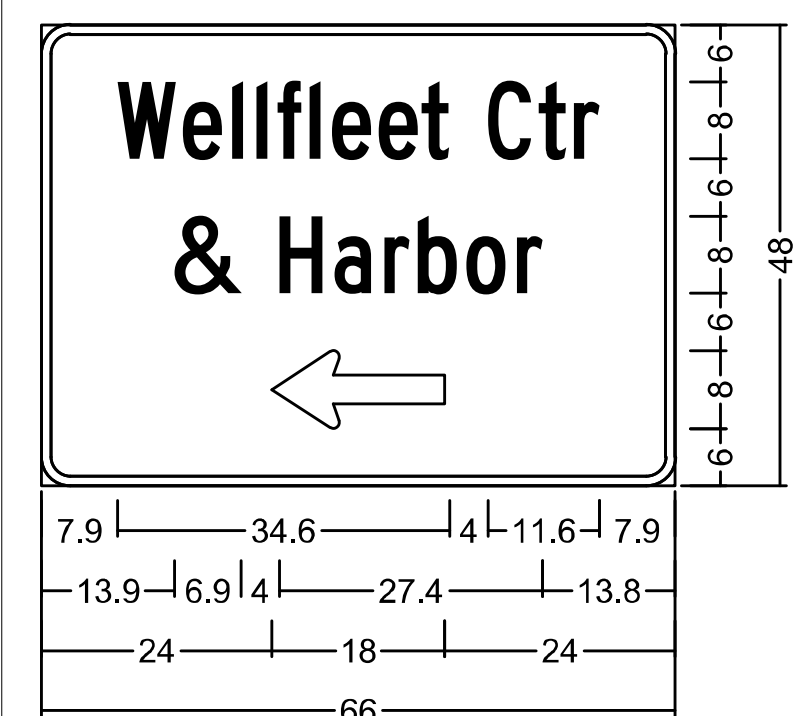
3.0" Radius, 1.0" Border, White on, Green;
"Wellfleet Ctr", C 2K;
"& Harbor", C 2K;
Standard Arrow Custom 18.0" X 8.1" 180°;

MA-D1-4-3		
4.00'	5.00'	20.00 SF
BACKGROUND	LEGEND	BORDER
GREEN REFL.	SILVER WHITE	SILVER WHITE



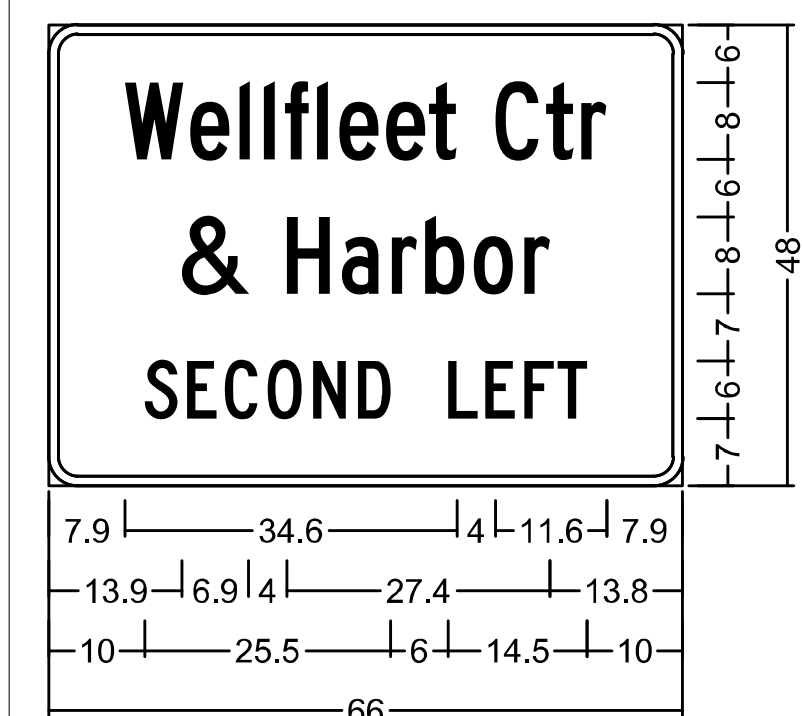
3.0" Radius, 1.0" Border, White on, Green;
"Cahoon", C 2K;
"Hollow", C 2K;
"Beach", C 2K;
Standard Arrow Custom 18.0" X 8.1" 0°;

MA-D1-4-5		
5.50'	4.00'	22.00 SF
BACKGROUND	LEGEND	BORDER
GREEN REFL.	SILVER WHITE	SILVER WHITE



3.0" Radius, 1.0" Border, White on, Green;
"Wellfleet Ctr", C 2K;
"& Harbor", C 2K;
Standard Arrow Custom 18.0" X 8.1" 180°;

MA-D1-4-6		
5.50'	4.00'	22.00 SF
BACKGROUND	LEGEND	BORDER
GREEN REFL.	SILVER WHITE	SILVER WHITE

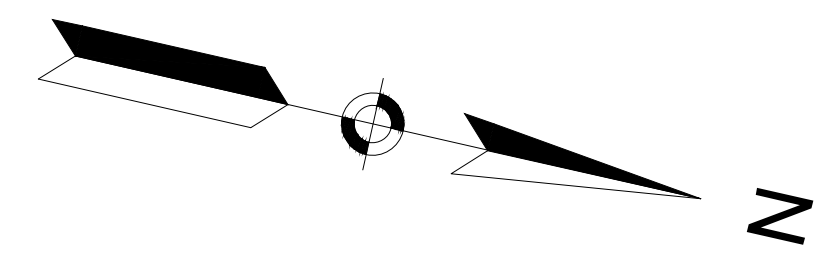


3.0" Radius, 1.0" Border, White on, Green;
"Wellfleet Ctr", C 2K;
"& Harbor", C 2K;
"SECOND LEFT", C 2K;

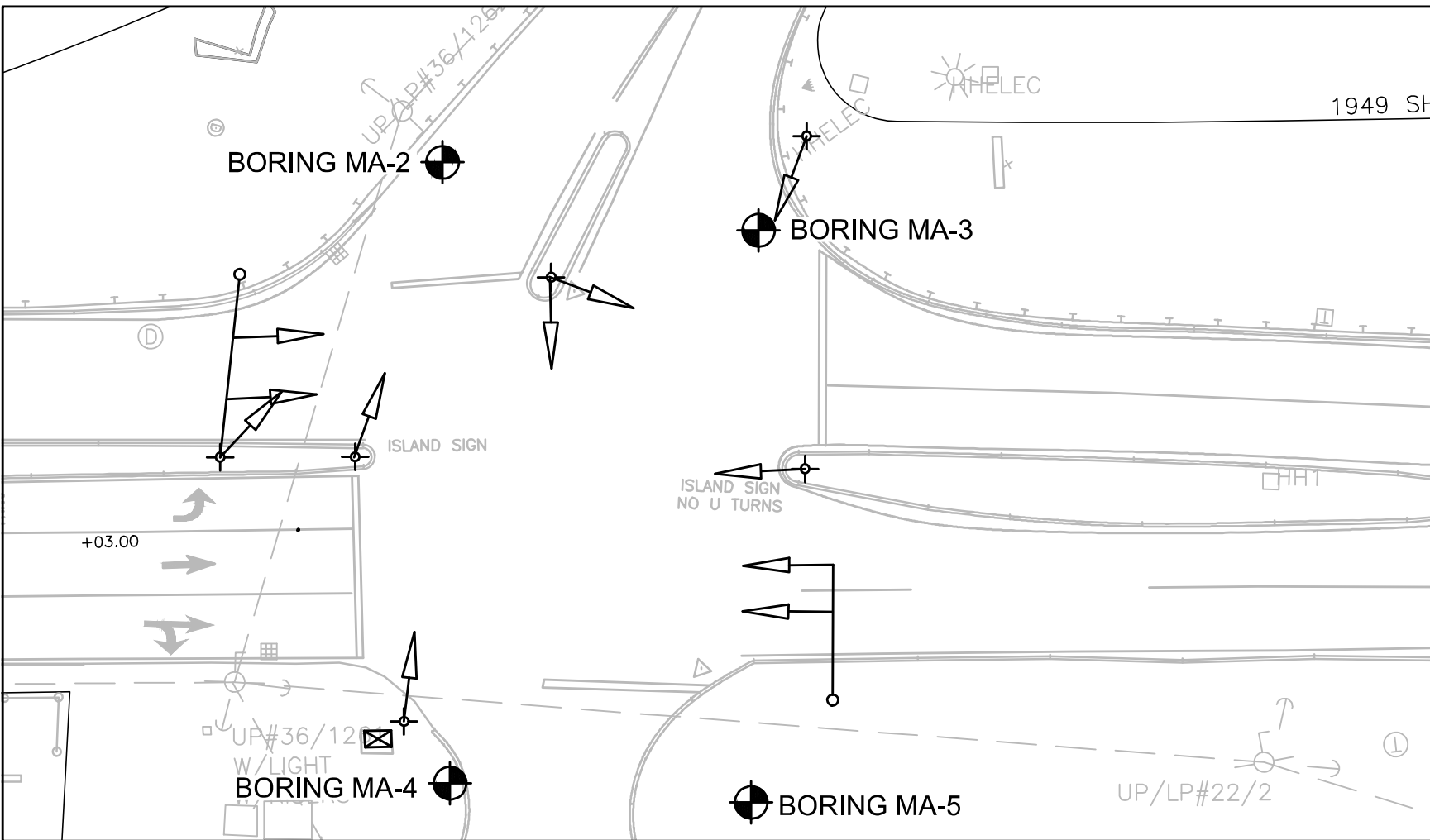
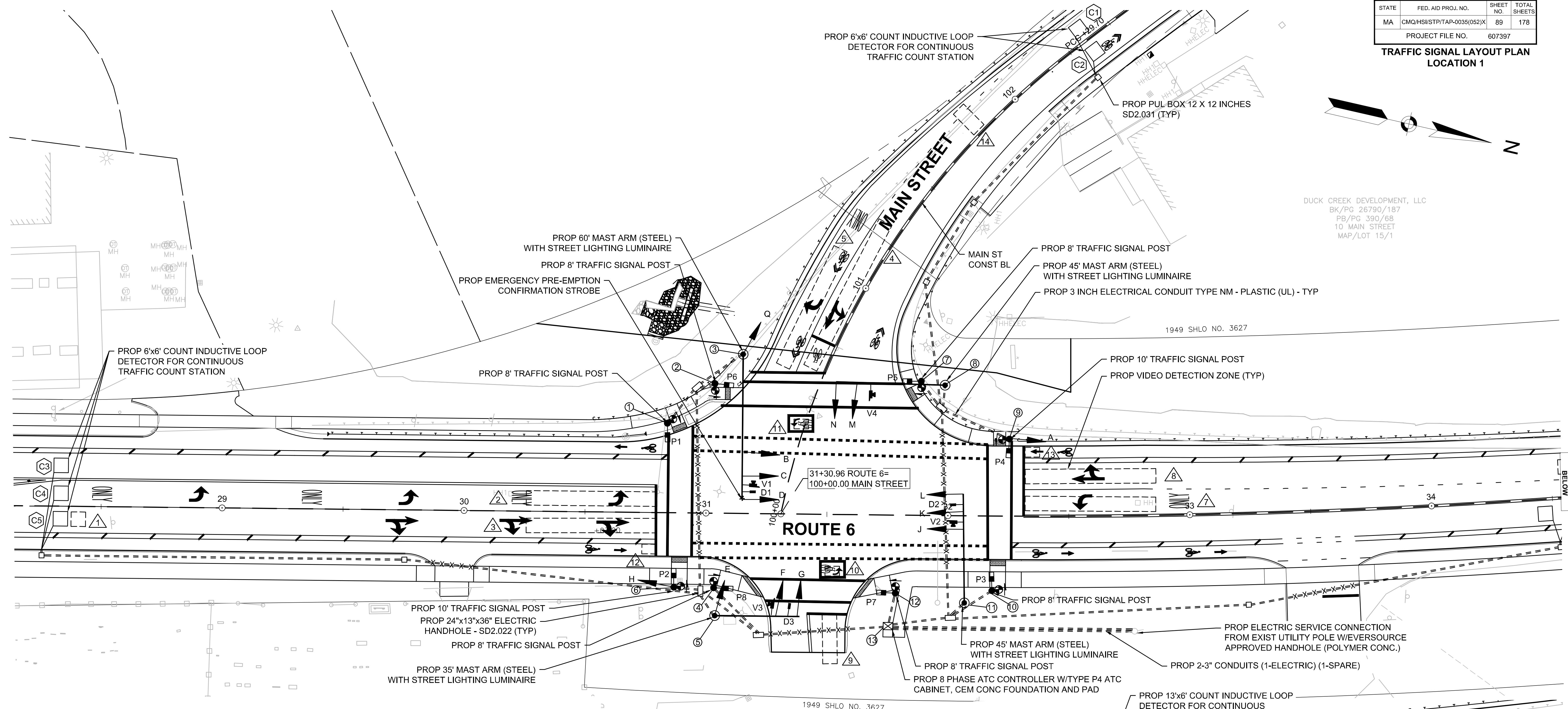
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/ST/P/TA/0035(052)X	89	178
PROJECT FILE NO.		607397	

**TRAFFIC SIGNAL LAYOUT PLAN
LOCATION 1**



DUCK CREEK DEVELOPMENT, LLC
BK/PG 26790/187
PB/PG 390/68
10 MAIN STREET
MAP/LOT 15/1



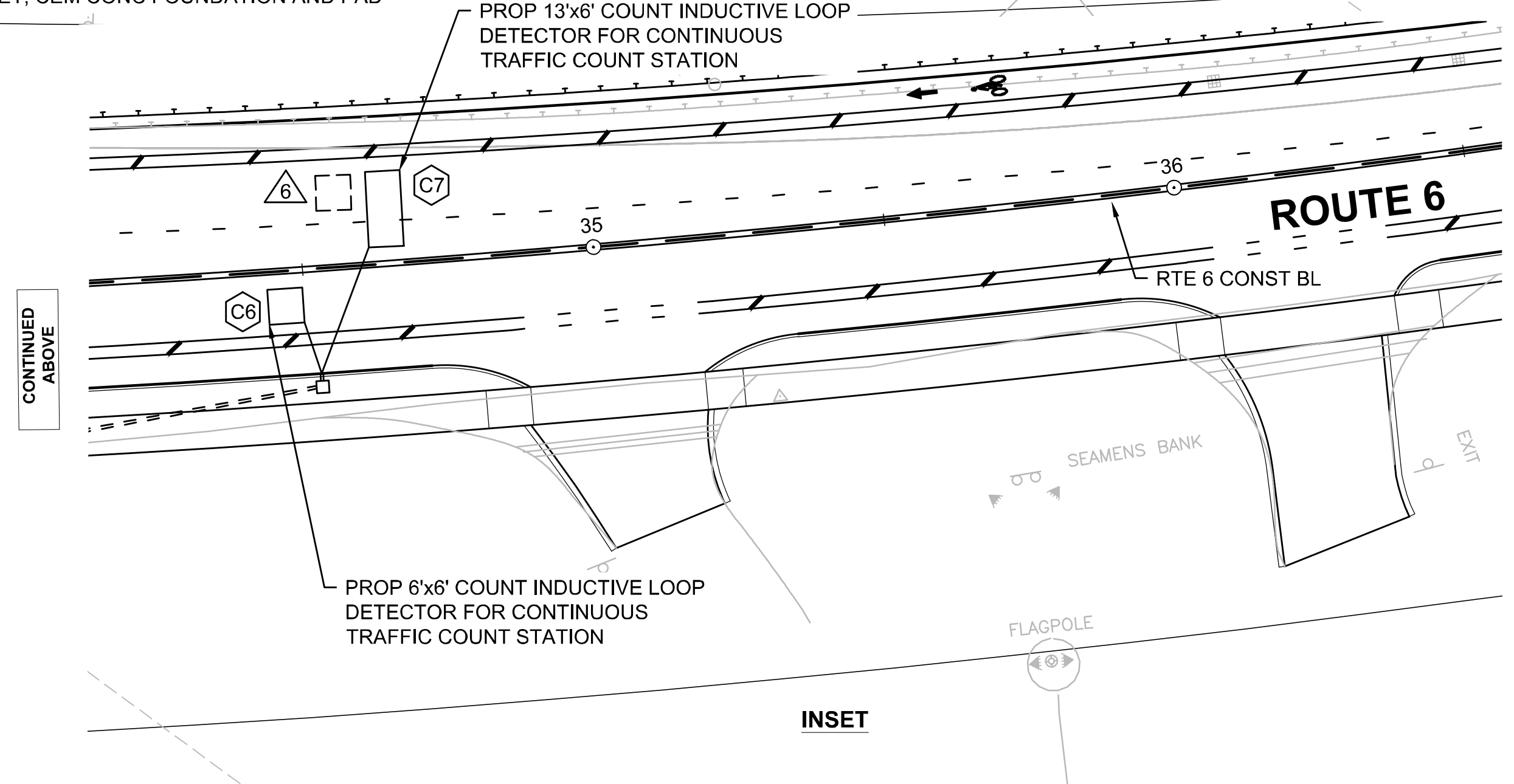
EXISTING SIGNAL PLAN
SCALE: 1" = 30'

NOTES:

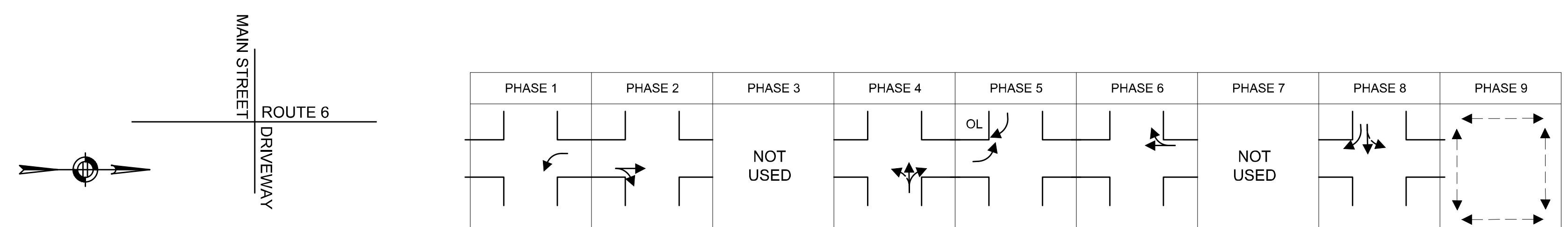
1. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED AND STACKED AT THE MASSDOT DISTRICT 5 MAINTENANCE YARD. ALL EXISTING TRAFFIC SIGNAL FOUNDATIONS SHALL BE REMOVED AND DISCARDED. ALL EXISTING TRAFFIC SIGNAL CONDUIT SHALL BE ABANDONED.
2. A TRANSIT PRIORITY PRE-EMPTION SYSTEM SHALL BE INSTALLED AT THE INTERSECTION. SEE SPECIAL PROVISIONS.
3. THE PROPOSED VIDEO DETECTION CAMERA SYSTEM SHALL USE 360 DEGREE VIDEO DETECTION CAMERA(S) AND SHALL BE SUPPLEMENTED, AS NECESSARY, BY RADAR DETECTORS FOR DETECTION UPSTREAM OF THE INTERSECTION. THE NUMBER AND LOCATION OF THE DETECTION EQUIPMENT SHOWN ON THIS DRAWING MAY NEED TO BE ADJUSTED BY THE CONTRACTOR IN THE FIELD BASED ON THE REQUIREMENTS OF PROJECT AND THE REQUIREMENTS OF THE VIDEO DETECTION CAMERA SYSTEM SELECTED.

COUNT LOOP DETECTION NOTES:

1. EACH COUNT LOOP SHALL BE WIRED TO A SEPARATE CHANNEL ON A COUNT CAPABLE LOOP DETECTOR/AMPLIFIER.
2. THE COUNT LOOPS SHALL HAVE 4 TURNS.
3. ALL COUNT CAPABLE LOOP DETECTOR/AMPLIFIERS SHALL BE CONNECTED VIA RS-232 SERIAL CABLES TO THE FMU THROUGH A SERIAL SPLITTER/BREAKOUT BOX.



INSET

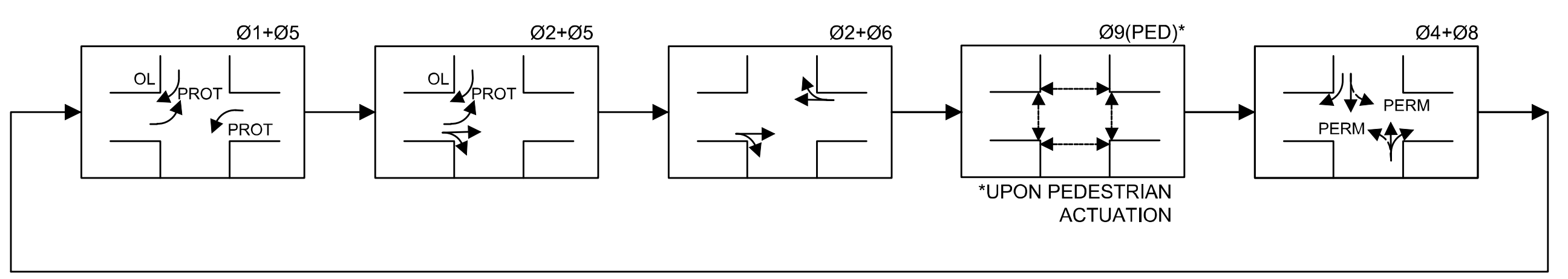


SEQUENCE AND TIMING FOR FULL ACTUATED CONTROL (ISOLATED)																																
STREET	DIRECTION	HOUSINGS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	FLASH OPER.		
ROUTE 6	SB	A,B,C	R	R	R	R	R	R					R	R	R	R	R	R	G	Y	R					R	R	R	R	R	R	FY
ROUTE 6	SB LT	D	<G	<Y	<R	<R	<R	<R					<R	<R	<R	<R	<R	<R	<R	<R	<R					<R	<R	<R	<R	<R	<R	<FR
MAIN STREET	EB	E,Q	R	R	R	R	R	R					R	R	R	R/G>	R/Y>	R	R	R	R					G	Y	R	R	R	R	FR
MAIN STREET	EB	F,G	R	R	R	R	R	R					R	R	R	R	R	R	R	R	R					G	Y	R	R	R	R	FR
ROUTE 6	NB LT	L	<R	<R	<R	<R	<R	<R					<R	<R	<R	<G	<Y	<R	<R	<R	<R					<R	<R	<R	<R	<R	<R	<FR
ROUTE 6	NB	H,J,K	R	R	R	G	Y	R					R	R	R	R	R	R	R	R	R					R	R	R	R	R	R	FY
DRIVEWAY	WB	M,N	R	R	R	R	R	R					G	Y	R	R	R	R	R	R	R					R	R	R	R	R	R	FR
PEDESTRIAN	ALL	P1-P8	DW	DW	DW	DW	DW	DW					DW	DW	DW	DW	DW	DW	DW	DW					DW	DW	DW	W	FDW	DW	OUT	

TIMING IN SECONDS																															
MINIMUM GREEN (INITIAL)			8										7			8															EMERGENCY ONLY
PASSAGE TIME (VEHICLE)			3			3						3			3										3						
MAXIMUM 1			6			38						8			20									8							
MAXIMUM 2			6			59						8			19									8							
MAXIMUM 3			6			55						11			24									11							
YELLOW CLEARANCE				3.5			5						3.5			3.5				5					3.5						
RED CLEARANCE					2				2					2							2					2					
WALK (W)																												7			
PEDESTRIAN CLEARANCE																												17		4	
RECALL					OFF		SOFT						OFF		OFF		SOFT		OFF					OFF		OFF					
MEMORY					NON-LOCK		NON-LOCK						NON-LOCK		NON-LOCK		NON-LOCK		NON-LOCK		NON-LOCK			NON-LOCK		LOCK (PED)					

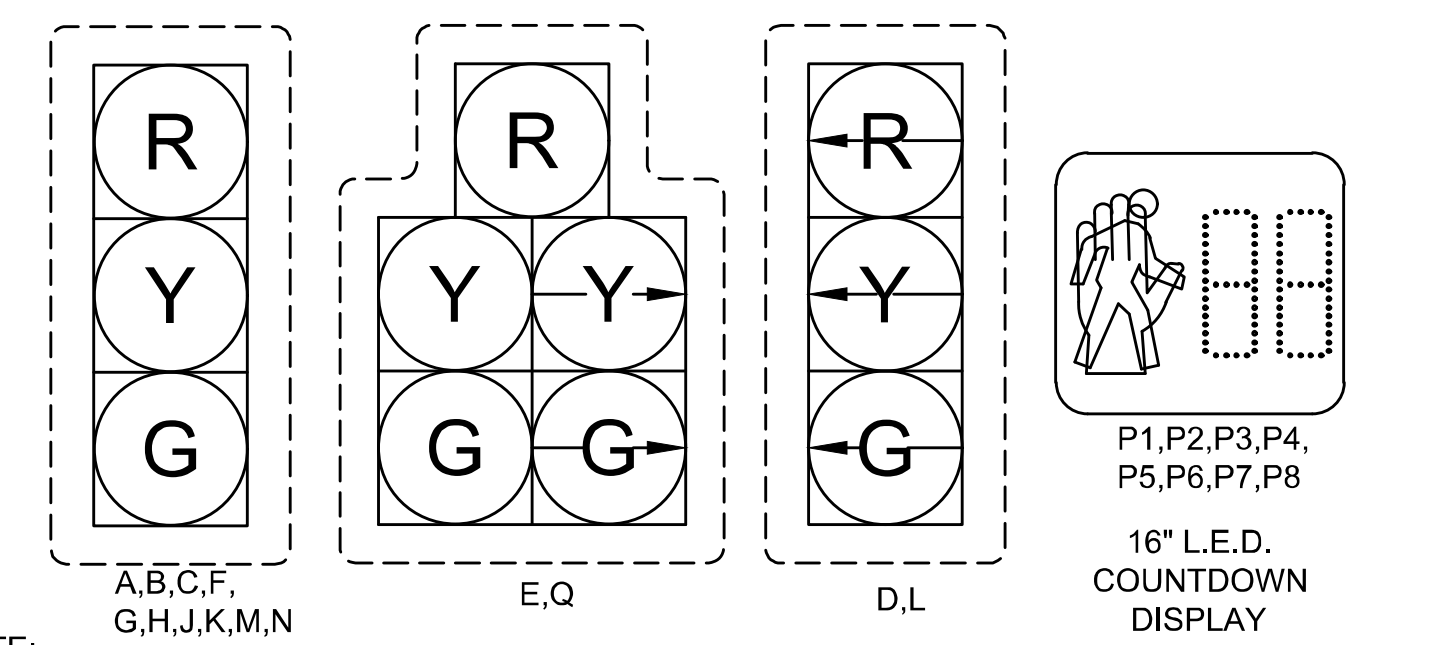
- TECHNICAL NOTES**
- ANY PHASE NOT CALLED WILL BE SKIPPED. SIGNAL INDICATION WILL NOT CHANGE IF THE ASSIGNED RIGHT OF WAY DOES NOT CHANGE DURING THE NEXT PHASE CALLED.
 - THE RIGHT-OF-WAY MAY BE ASSIGNED TO ANY PHASE OR ANY COMBINATION OF NON-CONFLICTING PHASES. IF CALLS EXIST ON ALL PHASES, THE RIGHT-OF-WAY SHALL BE ASSIGNED IN ACCORDANCE WITH THE PREFERENTIAL PHASING SEQUENCE.
 - FLASHING OPERATION PER M.U.T.C.D. SECTION 4D.28 THROUGH SECTION 4D.31
 - MAX I = NORMAL OPERATION
MAX II = MON-FRI, 3PM - 7PM
MAX III = SAT, 11AM - 2PM

PREFERENTIAL PHASING DIAGRAM



EMERGENCY VEHICLE PRE-EMPTION			
STREET	DIR.	DETECTOR	PHASE
ROUTE 6	SB	D1	01 & 06
ROUTE 6	NB	D2	02 & 05
MAIN STREET	EB	D3	08

SIGNAL FACES



- NOTE:**
- ALL VEHICLE INDICATIONS SHALL BE 12" LED AND BE EQUIPPED WITH TUNNEL VISORS.
 - ALL VEHICLE INDICATIONS SHALL BE EQUIPPED WITH 5" NON-LOUVERED BACKPLATES WITH 3" REFLECTORIZED YELLOW BORDER.

FOUNDATION LOCATIONS					
FOUNDATION LOC.	TYPE	R *	STATION	OFFSET **	
1	SP	A	30+83	36L	8-FT SIGNAL POST
2	SP	B	100+41	41L	8-FT SIGNAL POST
3	MA	B	100+55	34L	60-FT MAST ARM STEEL
4	SP	A	31+03	31R	8-FT SIGNAL POST
5	MA	A	31+04	42R	35-FT MAST ARM STEEL
6	SP	A	30+87	31R	10-FT SIGNAL POST
7	SP	B	100+75	38R	8-FT SIGNAL POST
8	MA	B	100+78	47R	45-FT MAST ARM STEEL
9	SP	A	32+25	32L	10-FT SIGNAL POST
10	SP	A	32+18	32R	8-FT SIGNAL POST
11	MA	A	32+07	36R	45' MAST ARM STEEL
12	SP	A	31+79	32R	8-FT SIGNAL POST
13	CAB	A	31+75	46R	DOOR FACES EAST

* A = ROUTE 6
B = MAIN STREET
** OFFSETS MEASURED FROM BASELINE TO CENTER OF FOUNDATION

MAJOR ITEM LIST		
ITEM	QTY.	DESCRIPTION
	1	8 PHASE ATC COMPLIANT CONTROLLER , W/TYPE P4 ATC CABINET, INCLUDING CEM CONC FOUNDATION AND FOUNDATION PAD
	1	60 FT MAST ARM (STEEL), W/STREET LIGHTING LUMINAIRE (INCL. BRACKET), BASE AND CEM CONCRETE FOUNDATION
	2	45 FT MAST ARM (STEEL), W/STREET LIGHTING LUMINAIRE (INCL. BRACKET), BASE AND CEM CONCRETE FOUNDATION
	1	35 FT MAST ARM (STEEL), W/STREET LIGHTING LUMINAIRE (INCL. BRACKET), BASE AND CEM CONCRETE FOUNDATION
	6	8 FT TRAFFIC SIGNAL POST, BASE & CEM CONC FOUNDATION
	2	10 FT TRAFFIC SIGNAL POST, BASE & CEM CONC FOUNDATION
	12	1-WAY, 3 SECTION SIGNAL HEAD, 12" L.E.D. LENS (W/ VISORS)
816.01	2	1-WAY, 5 SECTION SIGNAL HEAD, 12" L.E.D. LENS (W/ VISORS)
	14	5" NON-LOUVERED BACKPLATES WITH 3" RETROREFLECTIVE (YELLOW) BORDER
	1	VIDEO DETECTION SYSTEM
	8	PEDESTRIAN SIGNAL HEAD (L.E.D.), WITH COUNTDOWN DISPLAY
	8	ACCESSIBLE PEDESTRIAN SIGNAL PUSH BUTTON ASSEMBLY (INCL. SIGN & SADDLE)
	1	PRE-EMPTION PHASE SELECTOR
	1	EMERGENCY PRE-EMPTION CONFIRMATION STROBE
	3	EMERGENCY PRE-EMPTION RECEIVERS
	1	TRANSIT SIGNAL PRIORITY SYSTEM
	1	ELECTRIC SERVICE CONNECTION (FROM UP)
	6	6'X6' WIRE LOOP DETECTOR
	1	13'X6' WIRE LOOP DETECTOR
	2	4-CHANNEL COUNT CAPABLE LOOP DETECTOR/AMPLIFIER
	1	RS-232 SERIAL SPLITTER/BREAKOUT BOX
811.22	5	24"x13"x36" ELECTRIC HANDHOLE - SD2.022
811.31	7	12"x12" PULL BOX - SD2.031
804.3	1,185 FT	3 INCH ELECTRICAL CONDUIT TYPE NM-PLASTIC (UL)

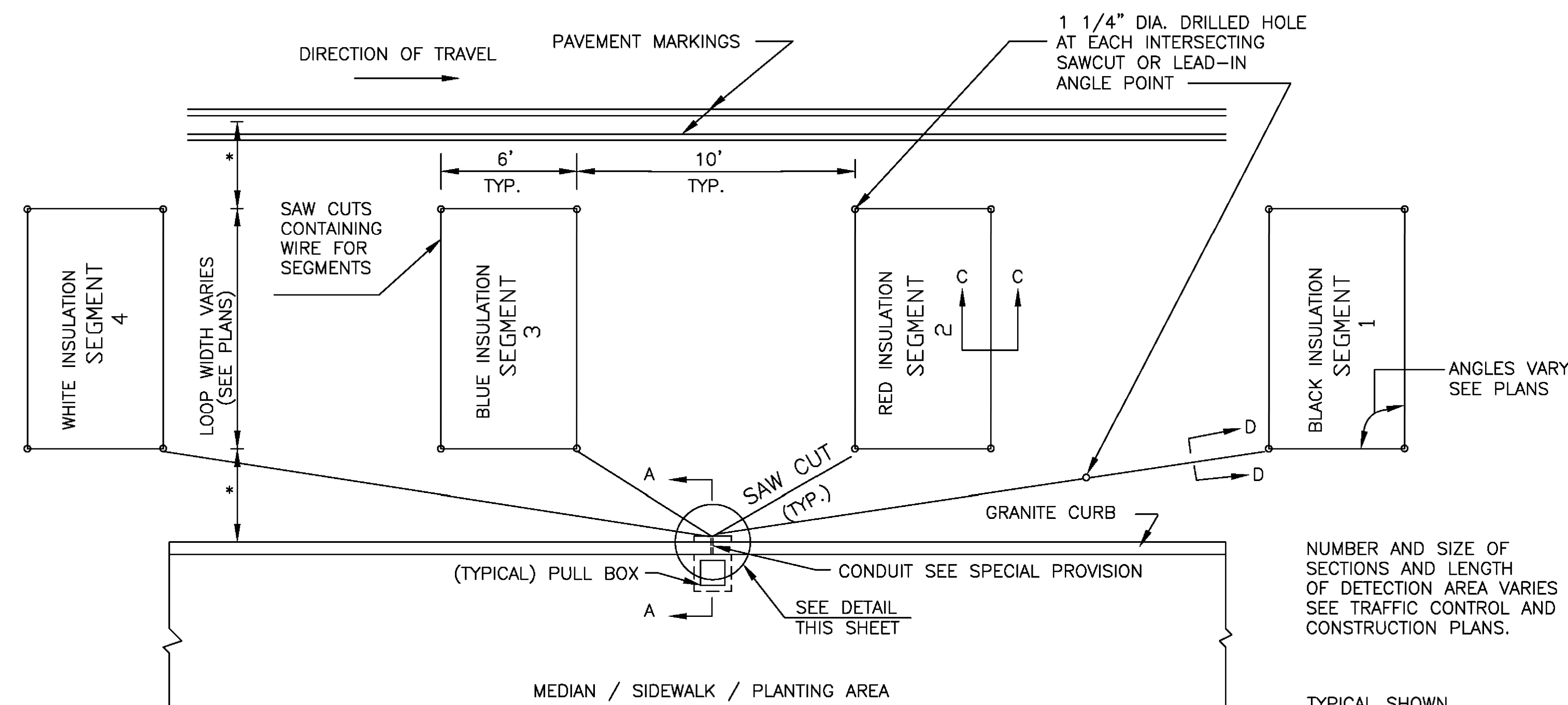
PLUS ALL NECESSARY DUCT, CABLE, LABOR, MISCELLANEOUS MATERIALS AND EQUIPMENT TO COMPLETE THE INSTALLATION.

DETECTOR OPERATION								
DETECTION ZONE	ZONE SIZE (FT)	PROCESSOR NO.	CHANNEL NO.	Ø CALLED	Ø EXT.	MODE: A=PULSE B=PRES. C=CALLING	DELAY (SEC)	EXT. (SEC)
1	6x6	1	1	2	2	B	-	-
2	6X54	1	2	5	5	B	-	-
3	6X54	2	1	2	2	B	-	-
4	6X54	2	2	8	8	B	-	-
5	6X54	3	1	8	8	B	5	-
6	6x6	3	2	6	6	B	-	-
7	6X54	4	1	1	1	B	-	-
8	6X54	4	2	6	6	B	-	-
9	6X20	5	1	4	4	B	5	-
10	6X4	5	2	4	4	B	-	-
11	6X4	6	1	8	8	B	-	-
12	6X4	6	2	2	2	B	-	-
13	6X4	7	1	6	6	B	-	-
14	6X12	7	2	8	8	B	-	-

WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQHS/STP/TAP-0035/052X	91	178
PROJECT FILE NO.		607397	

TRAFFIC DETAILS
LOOP DETECTOR DETAILS

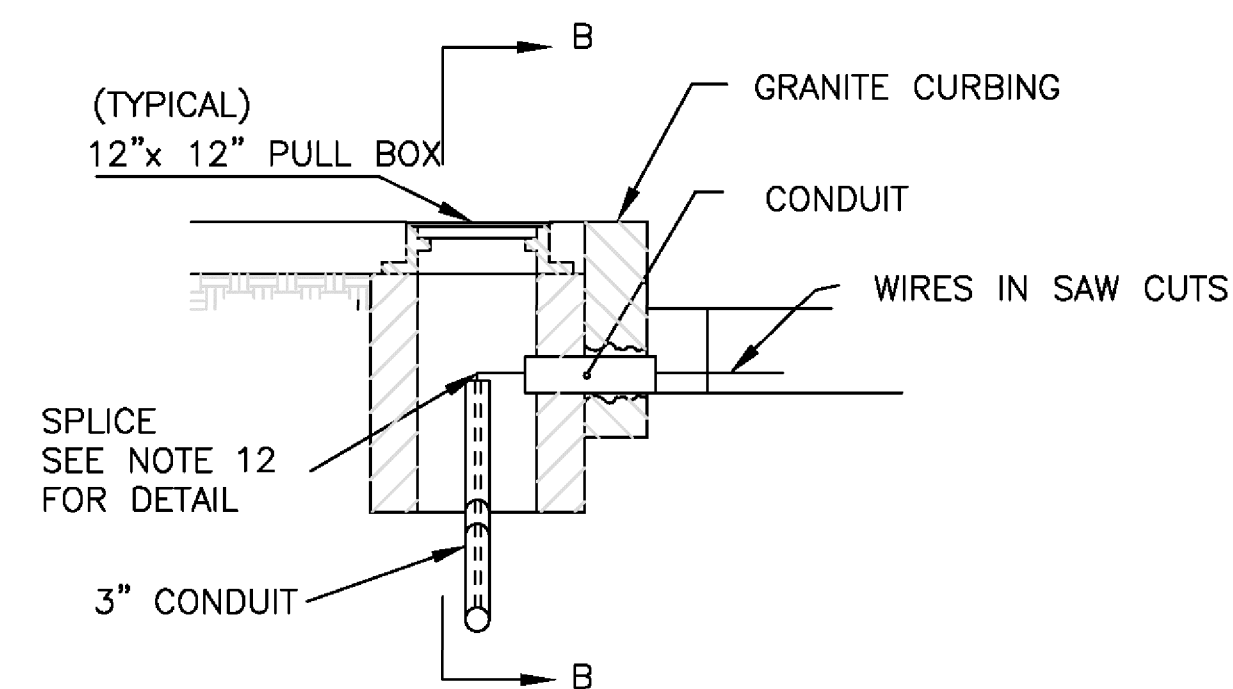


* OFFSETS FROM CURB TO LOOP AND EDGE OF LANE TO LOOP EQUAL IF NOT SHOWN.

PLAN OF SEGMENTED DETECTOR DETAIL
NOT TO SCALE

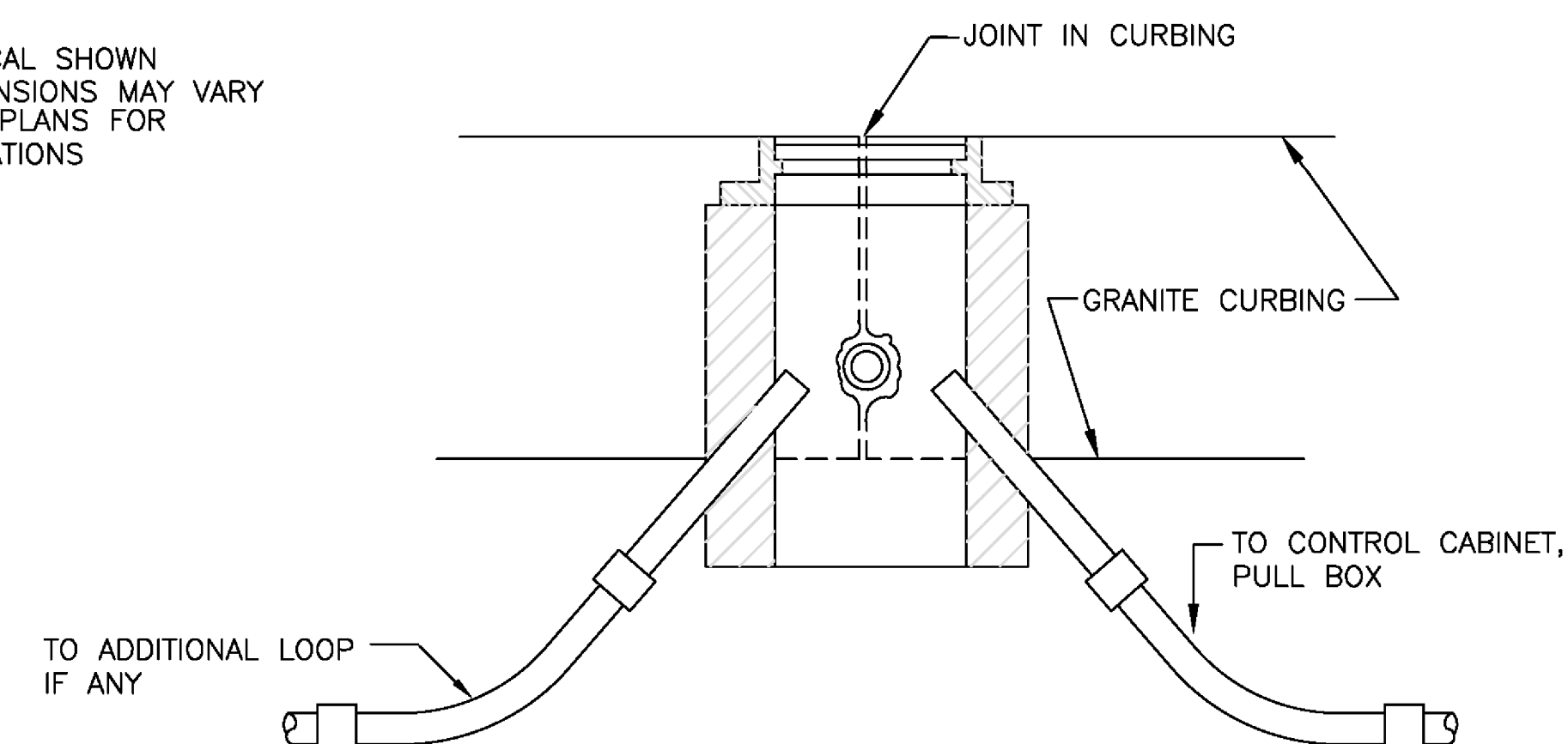
NUMBER AND SIZE OF SECTIONS AND LENGTH OF DETECTION AREA VARIES SEE TRAFFIC CONTROL AND CONSTRUCTION PLANS.

TYPICAL SHOWN DIMENSIONS MAY VARY SEE PLANS FOR VARIATIONS



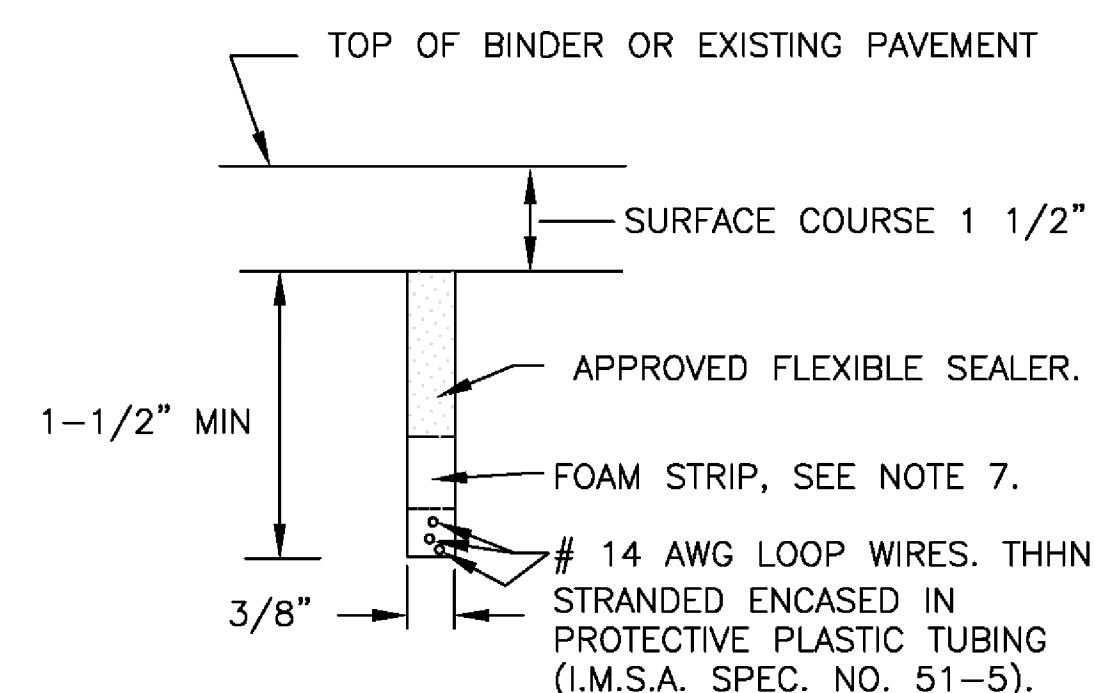
SECTION A-A

NOT TO SCALE



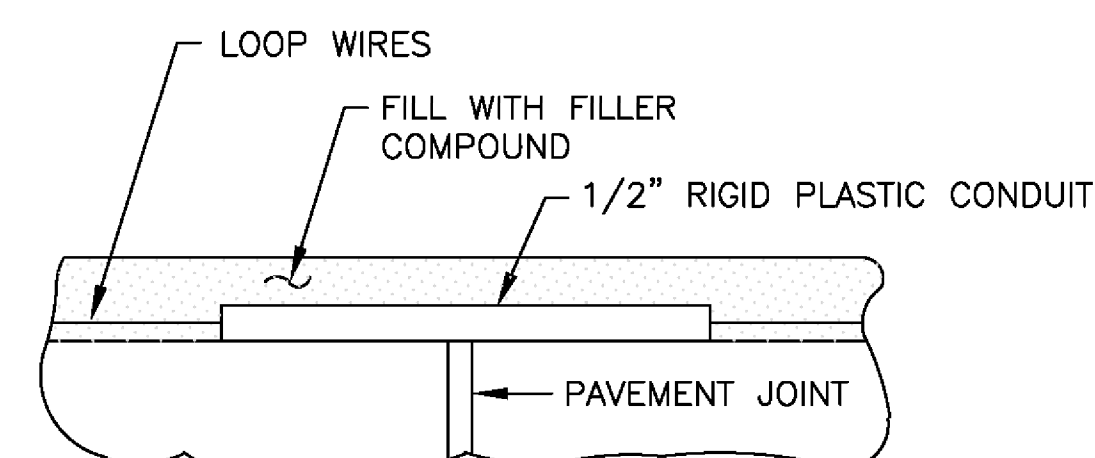
SECTION B-B

NOT TO SCALE



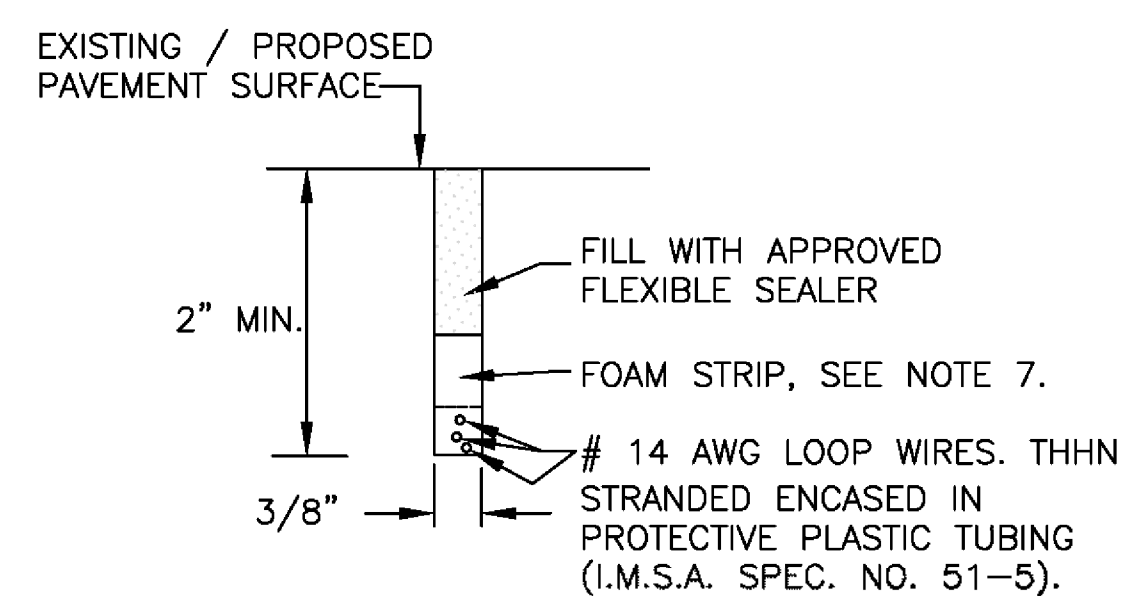
SECTION C-C & D-D

LOOPS IN BINDER COURSE OR EXISTING PAVEMENT TO BE RESURFACED NOT TO SCALE



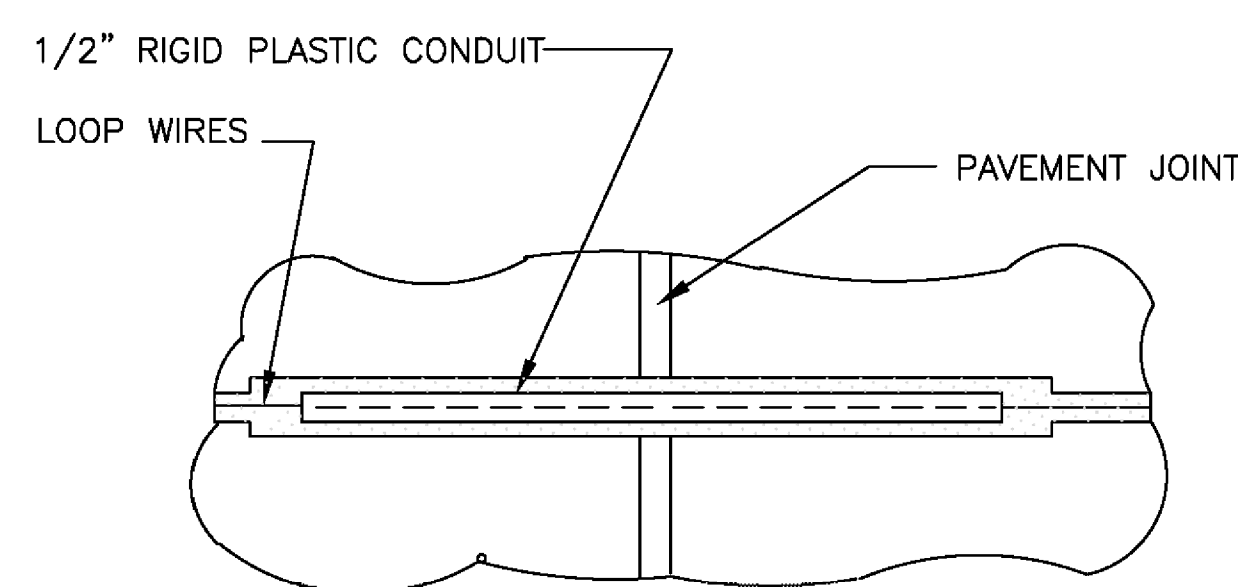
VERTICAL SECTION

TREATMENT AT PAVEMENT JOINTS
NOT TO SCALE



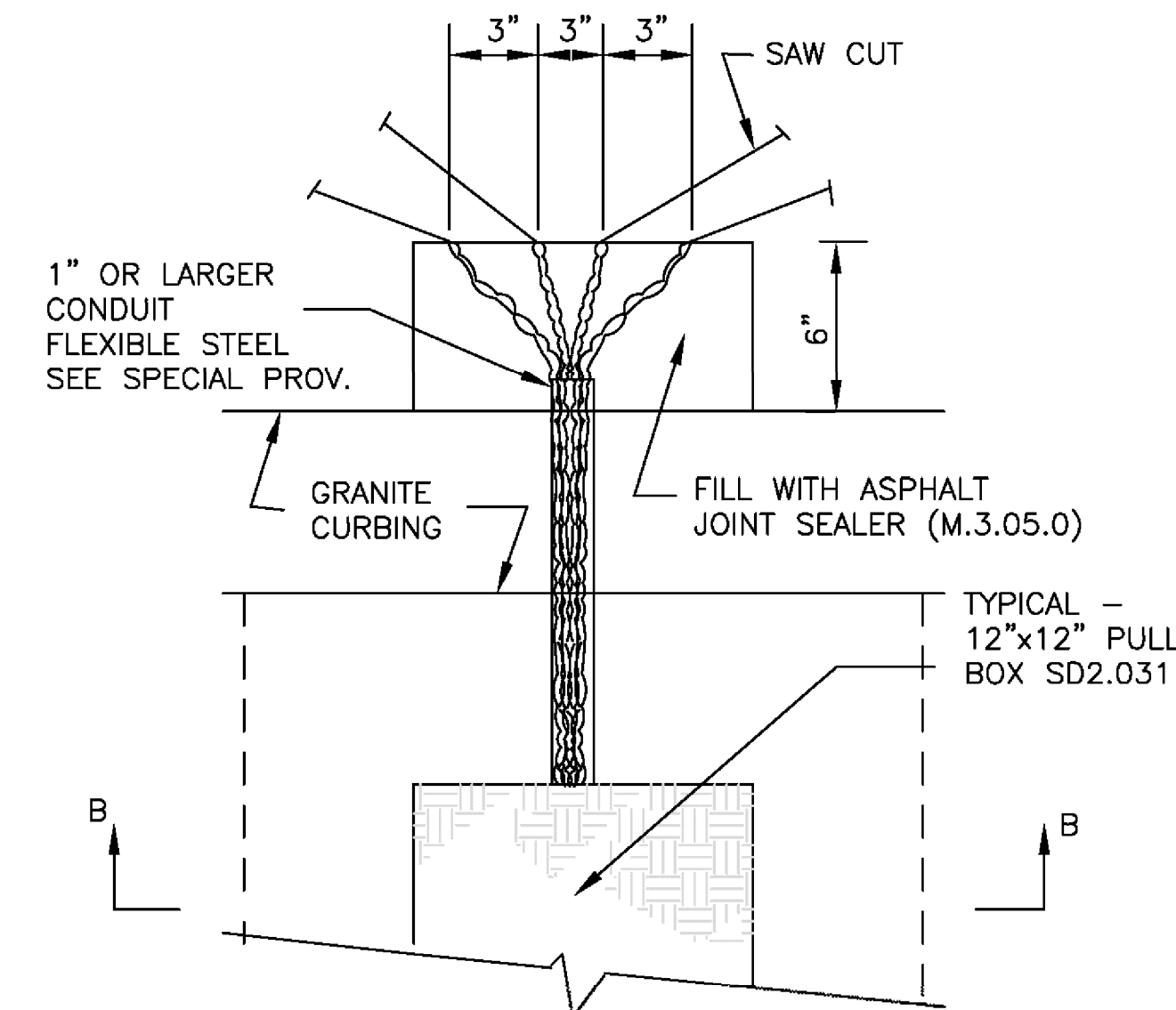
SECTION C-C & D-D

LOOPS IN SURFACE COURSE
NOT TO SCALE



PLAN

TREATMENT AT PAVEMENT JOINTS
NOT TO SCALE



DETAIL - PLAN VIEW

NOT TO SCALE

DETECTOR NOTES

1. IN HANDHOLE, SPLICE ALL SEGMENTS TO TYPE II-SHIELDED LOOP DETECTOR DETECTOR LEAD-IN CABLE. SEGMENTS SHALL BE SPLICED IN PARALLEL, IN SERIES, OR IN A COMBINATION OF PARALLEL & SERIES AS SHOWN ON THE PLAN SHEET FOR EACH DETECTOR. NUMBER OF TURNS OF WIRE SHALL ALSO BE AS SHOWN ON THE PLAN SHEET FOR EACH DETECTOR. SEE NOTE 12.
2. SEE SPECIAL PROVISIONS FOR REQUIREMENTS OF DETECTOR AMPLIFIER
3. LEAD IN WIRES SHALL BE TWISTED FROM SEGMENT TO SPLICE WITH SHIELDED CABLE FIVE TURNS PER FOOT. LEAD-IN SHALL BE TYPE II (M.B. 16. II).
4. BEFORE STARTING ANY SPLICING, THE ELECTRICAL CONTRACTOR SHALL FURNISH DATA SHEETS ON THE MATERIALS AND/OR METHODS TO BE USED IN ACCORDANCE WITH THE DEPARTMENT'S STANDARD OPERATING PROCEDURES FOR APPROVAL OF SHOP DRAWINGS SEE SECTION 815.64, ESPECIALLY PARAGRAPH 1.
5. THE METALLIC SHIELD WHICH SHALL ENCASE THE DETECTOR LEADS FROM A SPLICE (TYPICALLY LOCATED IN A PULL BOX NEAR THE ROADWAY COMPONENT OF THE DETECTOR) THE METALLIC SHIELD WHICH SHALL ENCASE THE DETECTOR LEADS FROM A SPLICE (TYPICALLY LOCATED IN A PULL BOX NEAR THE ROADWAY COMPONENT OF THE DETECTOR) OF THE CONTROLLER, AND THE DRAIN WIRE UNDER THE METALLIC SHIELD, SHALL NOT BE GROUNDED TO THE EARTH GROUNDING BUSS IN THE CONTROLLER, AND THE SHIELD AND DRAIN WIRE SHALL BE CAREFULLY INSULATED FROM THE TRANSFORMER NEUTRAL OR FROM EARTH GROUND AT ALL POINTS ALONG ITS LENGTH. SPECIFICALLY, THIS INCLUDES CAREFUL INSULATION OF THE EXPOSED PORTION OF THE SHIELD AND THE AND THE DRAIN WIRE AT THE END AWAY FROM THE CONTROLLER WHERE IT IS SPLICED TO WIRES LEADING TO THE ROADWAY COMPONENT OF THE DETECTOR. THIS IS IMPORTANT TO AVOID A GROUND RETURN LOOP.
6. FILL ALL CONDUIT OPENINGS WITH DUCT SEAL.
7. AFTER SAW CUTS ARE COMPLETE, BLOW OUT WATER WITH OIL - FREE COMPRESSED AIR UNTIL CUTS ARE CLEAN AND DRY. INSERT WIRE INTO CLEAN SLOT WITH A BLUNT, SMOOTH, ROUND EDGED TOOL OF WOOD OR PLASTIC SUCH AS A PAINT STIRRER. DO NOT USE A SCREWDRIVER, THEN INSERT FOAM PLASTIC HOLD DOWN STRIPS, SIMILAR TO ETHA FOAM SB. STRIPS SHALL BE ABOUT 2" LONG, PLACED IN THE SLOT ABOUT EVERY 2 FEET THEN POUR SEALER, TAKING CARE TO ELIMINATE BUBBLES.
8. THE COMBINED ROADWAY LOOP, TWISTED LEAD-IN WIRES, SPLICE AND SHIELDED LEAD-IN CABLE SHALL HAVE A RESISTANCE TO GROUND OF AT LEAST 100 MEGOHMS. SEE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.
9. FOR INSTALLATION OF SINGLE (ONE SEGMENT) SMALL WIRE LOOP DETECTOR. DETAIL IS THE SAME
10. CUT LOOPS IN BINDER AND FILL WITH APPROVED FLEXIBLE SEALER.
11. DETECTOR WIRE SHALL BE A DIFFERENT COLOR FOR EACH SEGMENT OF A DETECTOR GROUP. SEE DETAIL
12. SPLICING PATTERN P = SERIES/PARALLEL: SPLICE SEGMENTS 1 AND 3 OF AN INDIVIDUAL DETECTOR IN SERIES. SPLICE SEGMENTS 2 AND 4 IN SERIES. SPLICE THE RESULTANT TWO GROUPS IN PARALLEL. SPLICE THE RESULTANT COMBINATION TO ONE LEAD-IN CABLE. CONNECT THIS CABLE TO AN OTHERWISE UNUSED AMPLIFIER CHANNEL.

SPLICING PATTERN S = SERIES: SPLICE ALL SEGMENTS (TYPICALLY FOUR, BUT MAY BE LESS) OF AN INDIVIDUAL DETECTOR IN SERIES. SPLICE THE RESULTANT COMBINATION TO ONE LEAD-IN CABLE TO AN OTHERWISE UNUSED AMPLIFIER CHANNEL.

TTCP GENERAL NOTES

- ALL TEMPORARY TRAFFIC CONTROL WORK SHALL CONFORM TO THE 2009 "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), WITH LATEST REVISIONS AND MASSACHUSETTS AMENDMENTS.
- ALL SIGN LEGENDS, BORDERS AND MOUNTINGS SHALL BE IN ACCORDANCE WITH THE 2009 MUTCD, WITH LATEST REVISIONS AND MASSACHUSETTS AMENDMENTS.
- TEMPORARY CONSTRUCTION SIGNING AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF 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. ALL SIGNS INSTALLED BY THE CONTRACTOR SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION AND REMOVED UPON COMPLETION.
- SIGNS AND SIGN SUPPORTS LOCATED ON OR NEAR THE TRAVELED WAY, CHANNELIZING DEVICES, BARRIERS, AND CRASH ATTENUATORS MUST PASS THE CRITERIA SET FORTH IN THE "MANUAL FOR ASSESSING SAFETY HARDWARE" (MASH).
- THE CONTRACTOR SHALL NOTIFY AND COORDINATE ACCESS WITH EACH ABUTTER AT LEAST 48 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 PAVEMENT PLACEMENT AND SIMILAR OPERATIONS.
- THE FIRST TEN PLASTIC DRUMS OF A TAPER SHALL BE MOUNTED WITH SEQUENTIAL FLASHING LIGHTS.
- MAXIMUM SPACING OF TRAFFIC DEVICES IN A TAPER IS EQUAL IN FEET TO THE POSTED SPEED LIMIT IN MPH. AT LOCATIONS NEAR ROAD CLOSURES, REDUCE THE SPACING TO HALF OF MAXIMUM.
- THE MINIMUM TRAVEL LANE WIDTH IS TO BE 11 FEET, UNLESS OTHERWISE NOTED.
- SIGN LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. DISTANCES SHOWN ON THE PLANS ARE TO BE USED AS A GUIDE AND MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.
- ALL SIGNS SHALL BE MOUNTED ON THEIR OWN STANDARD SIGN SUPPORTS, UNLESS OTHERWISE NOTED ON THE PLAN. SIGNS INSTALLED ON PORTABLE STANDS REQUIRE A 12-INCH MINIMUM MOUNTING HEIGHT FROM THE ROADWAY SURFACE TO THE BOTTOM OF THE SIGN. SIGNS INSTALLED ON PORTABLE STANDS AMONG CHANNELIZING DEVICES REQUIRE A 36-INCH MINIMUM MOUNTING HEIGHT FROM THE ROADWAY SURFACE TO THE BOTTOM OF THE SIGN. SIGNS MOUNTED ON POSTS REQUIRE A 7-FOOT MINIMUM MOUNTING HEIGHT FROM THE ROADWAY OR SIDEWALK SURFACE TO THE BOTTOM OF THE SIGN.
- ALL PUBLIC OR PRIVATE PROPERTY DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR BETTER.
- PRIOR TO THE COMMENCEMENT OF THE CONTRACTOR'S OPERATIONS THE CONTRACTOR SHALL CONTACT DIGSAFE (1-888-344-7233 or 1-888-DIG-SAFE) TO MARK OUT UTILITIES WITHIN THE PROJECT AREA.

LEGEND:

- REFLECTORIZED PLASTIC DRUM OR 36" CONE
- Ⓟ POLICE DETAIL
- ▨ TYPE III BARRICADE
- PORTABLE CHANGEABLE MESSAGE SIGN
- ➔ ARROW BOARD
- DBYL DOUBLE YELLOW LINE (2 - 6" LINES)
- SYL SINGLE YELLOW LINE - 6"
- SWL SINGLE WHITE LINE - 6"
- BWL BROKEN WHITE LINE (6" WHITE LINE 10' LONG, 30" SPACE)
- CW CROSSWALK (2 - 12" WHITE LINES 10' O.C.)
- SL STOP LINE (12" WHITE LINE 4' BEHIND CW)
- ▨ WORK ZONE
- ➔ DIRECTION OF CONSTRUCTION TRAFFIC
- ➔ DIRECTION OF EXISTING TRAFFIC
- ▨ IMPACT ATTENUATOR
- ▨ MEDIAN BARRIER
- ➔ TRAFFIC OR PEDESTRIAN SIGNAL
- CONSTRUCTION SIGN
- ▨ MEDIAN BARRIER WITH WARNING LIGHTS

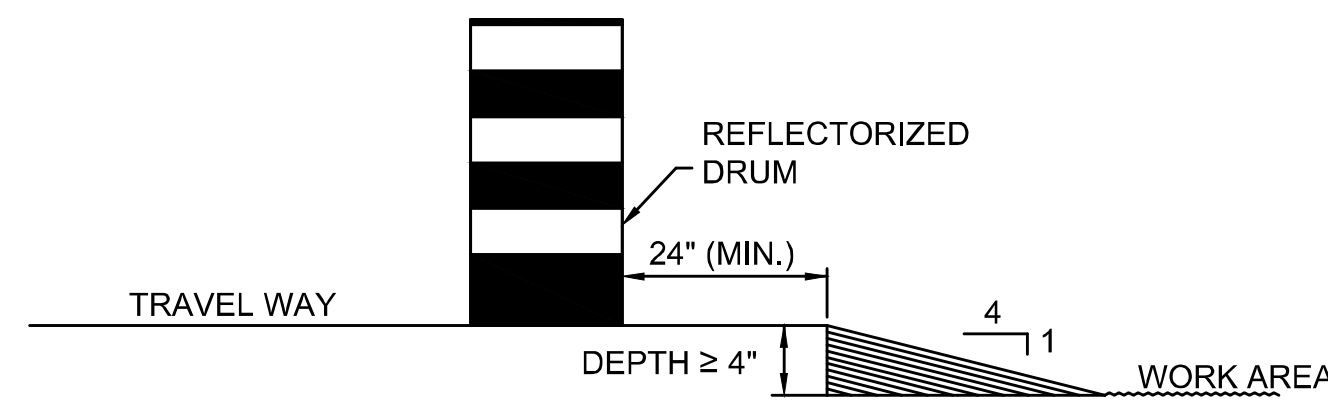
TAPER LENGTH CRITERIA FOR TEMPORARY TRAFFIC CONTROL ZONES

TYPE OF TAPER	TAPER LENGTH (L)
MERGING TAPER	AT LEAST L
SHIFTING TAPER	AT LEAST 0.5L
SHOULDER TAPER	AT LEAST 0.33L
ONE-LANE, TWO-WAY TRAFFIC TAPER	50 FT MINIMUM, 100 FT MAXIMUM
DOWNSTREAM TAPER	100 FT PER LANE

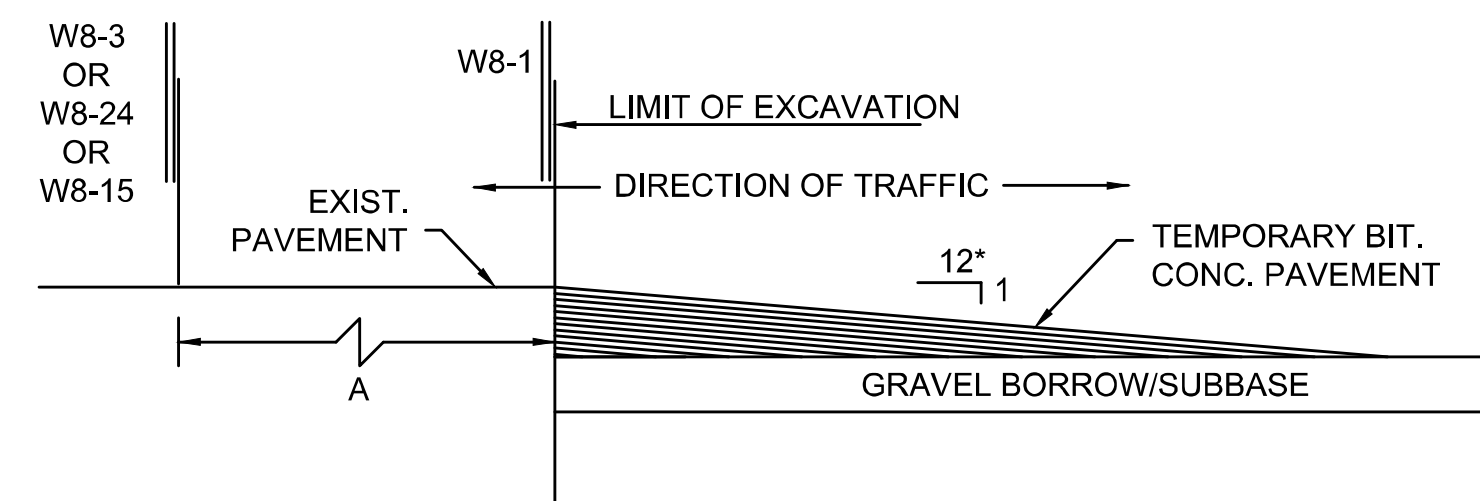
FORMULAS FOR DETERMINING TAPER LENGTHS

SPEED LIMIT (S)	TAPER LENGTH (L)
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR MORE	$L = WS$

- THESE TRAFFIC CONTROL PLANS ARE PROVIDED AS A GUIDE FOR TYPICAL WORK ZONE TRAFFIC CONTROL APPLICATIONS. THEY ARE NOT INTENDED TO COVER ALL POSSIBLE CONSTRUCTION OPERATIONS WHICH THE CONTRACTOR MAY EMPLOY. TRAFFIC CONTROL FOR CONSTRUCTION OPERATIONS, IF APPLICABLE, SHALL BE IN ACCORDANCE WITH THE 2009 MUTCD, WITH LATEST REVISIONS AND MASSACHUSETTS AMENDMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL PROPOSED PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) IN THE FIELD SUCH THAT VEHICULAR AND PEDESTRIAN TRAFFIC IS NOT IMPEDED.
- POLICE DETAILS SHOWN ON THE PLANS INDICATE A NEED FOR POLICE INCIDENTAL TO A SPECIFIC TRAFFIC CONFIGURATION AND DO NOT REPRESENT ACTUAL LOCATIONS OR NUMBERS REQUIRED. THE ENGINEER SHALL DETERMINE THE SPECIFIC LOCATIONS OF POLICE DETAILS AND THE NUMBER OF DETAILS REQUIRED.
- THE CONTRACTOR SHALL MAINTAIN ADA-COMPLIANT PEDESTRIAN ACCESS ALONG ALL SIDEWALKS AND CROSSWALKS, AND TO ALL ABUTTERS. ANY PEDESTRIAN DETOURS SHALL INCLUDE A FULLY ADA-COMPLIANT PEDESTRIAN DETOUR ROUTE WITH PROPER BARRICADES, RAILINGS, RAMPS, AND SIGNAGE.
- 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.
- THESE TRAFFIC MANGEMENT PLANS ARE PROVIDED AS A GUIDE FOR TYPICAL WORK ZONE TRAFFIC CONTROL APPLICATIONS. THEY ARE NOT INTENDED TO COVER ALL POSSIBLE CONSTRUCTION OPERATIONS WHICH THE CONTRACTOR MAY EMPLOY.
- THE SUGGESTED WORK ZONES AND TRAFFIC PATTERNS DEPICTED ARE INTENDED TO DEMONSTRATE HOW MAJOR CONSTRUCTION ACTIVITIES CAN PROCEED WHILE MAINTAINING VEHICULAR AND PEDESTRIAN TRAFFIC. THE CONTRACTOR MAY ELECT TO PROVIDE ALTERNATE METHODS AND/OR STAGING SEQUENCE OF WORK WHILE MAINTAINING VEHICULAR AND PEDESTRIAN TRAFFIC. ALTERNATE METHODS AND/OR STAGING SEQUENCE OF WORK PROPOSED BY THE CONTRACTOR SHALL BE SUBMITTED TO MASSDOT FOR REVIEW AND CONSIDERATION FOR APPROVAL.



LATERAL DROP-OFF DETAIL
NOT TO SCALE



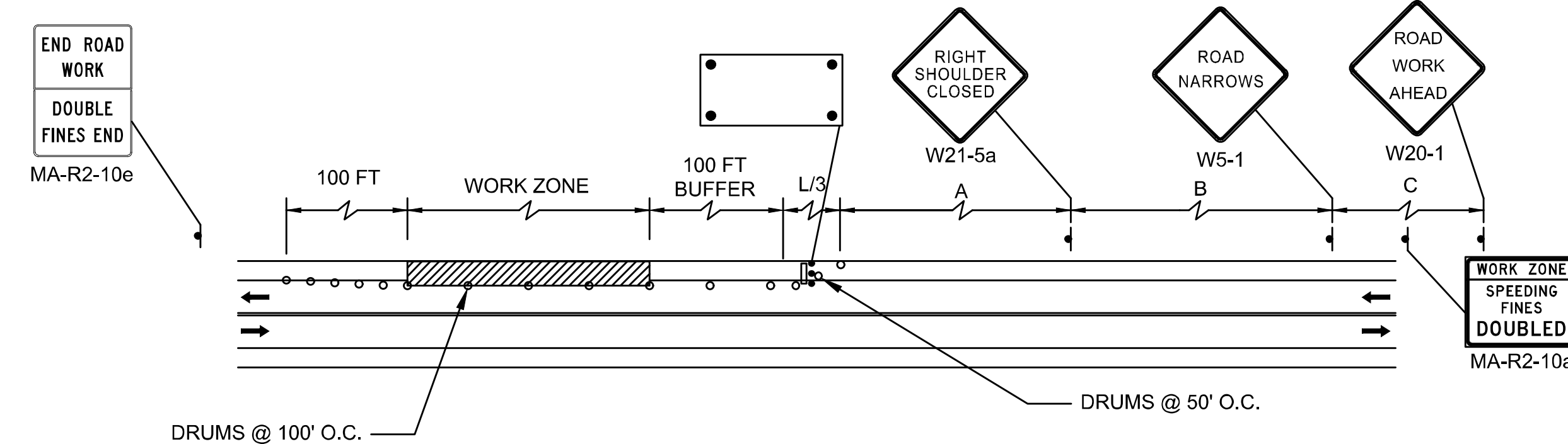
LONGITUDINAL DROP-OFF DETAIL
NOT TO SCALE

* - INCREASE SLOPE RATIO FOR HIGHER SPEEDS

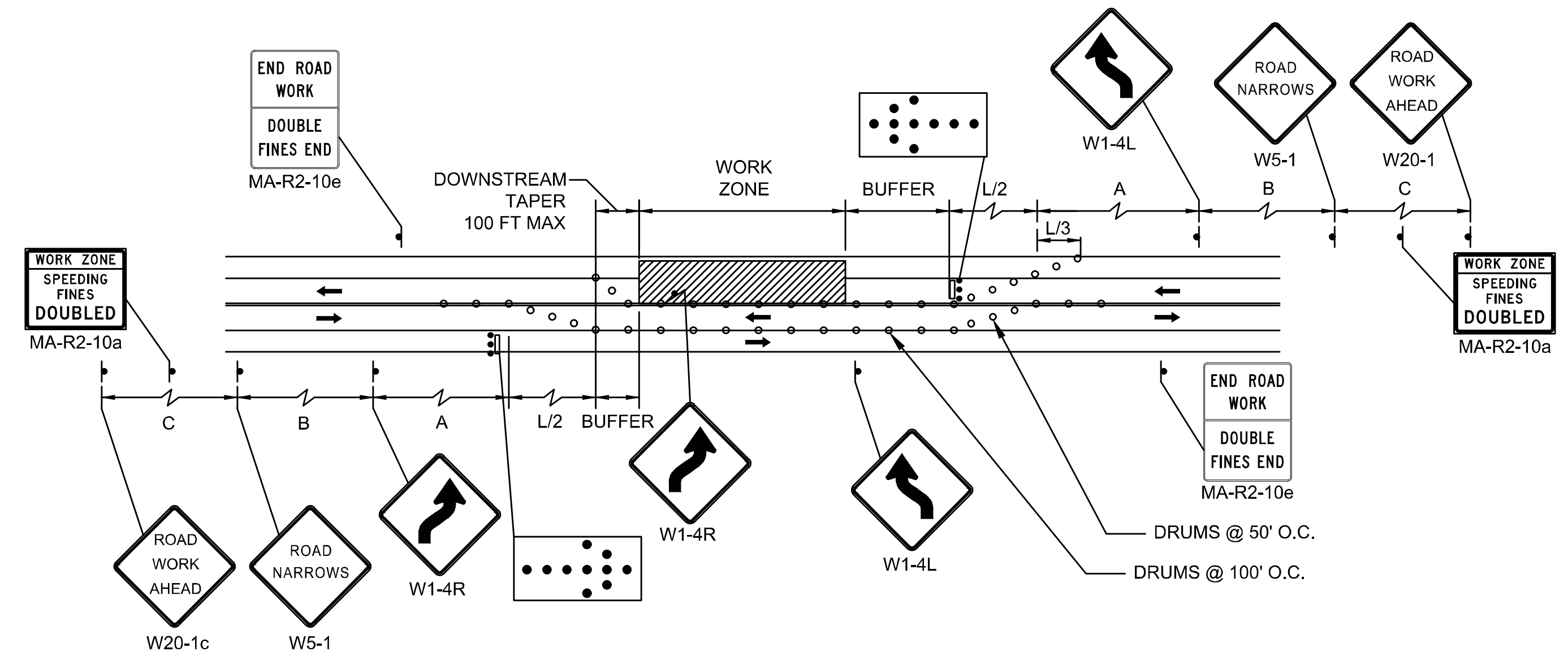
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035/052JX	92	178
PROJECT FILE NO.		607397	

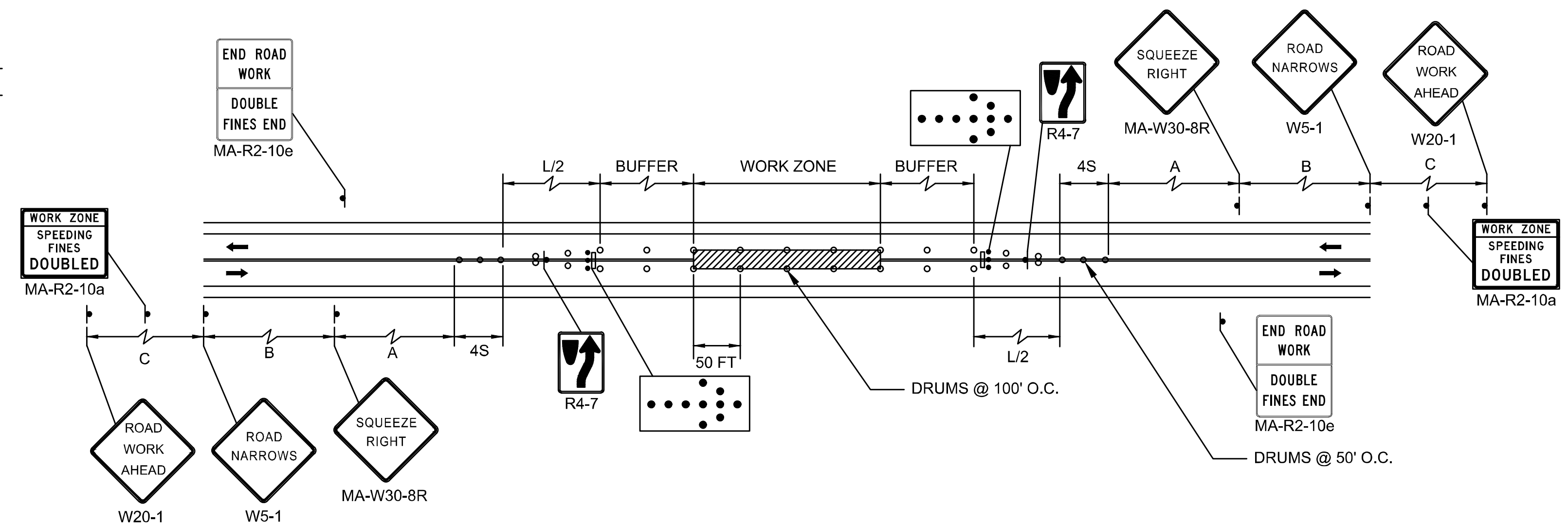
**TEMPORARY TRAFFIC CONTROL PLANS
TRAFFIC CONTROL LEGEND, GENERAL
NOTES, AND TYPICAL DETAILS**



TWO LANE ROAD SHOULDER CLOSED
NOT TO SCALE



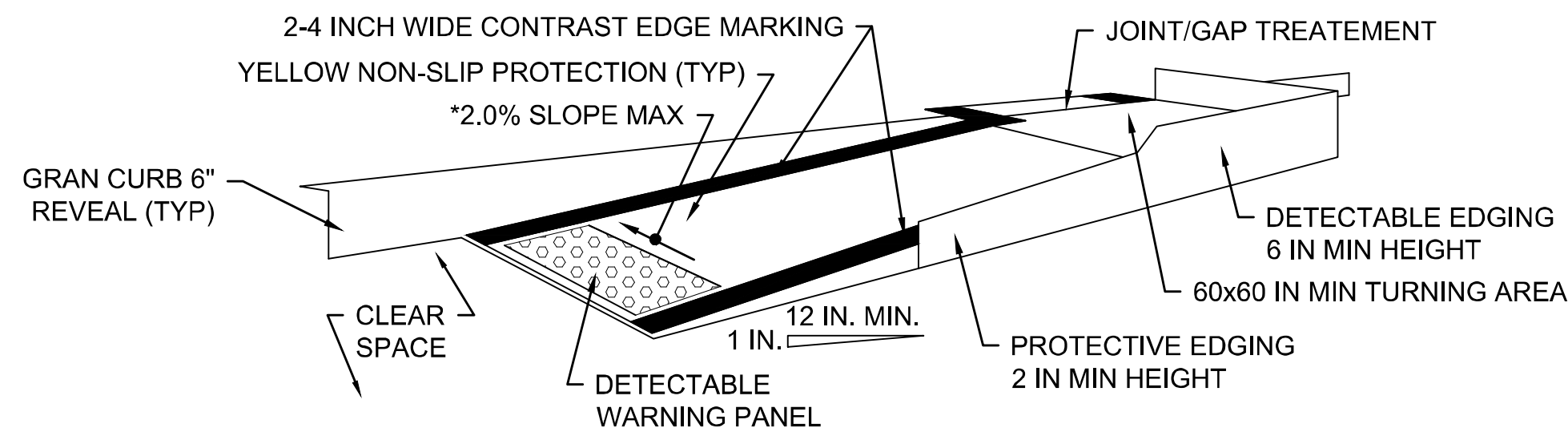
TWO LANE ROAD SHOULDER AND TRAVEL LANE CLOSED
NOT TO SCALE



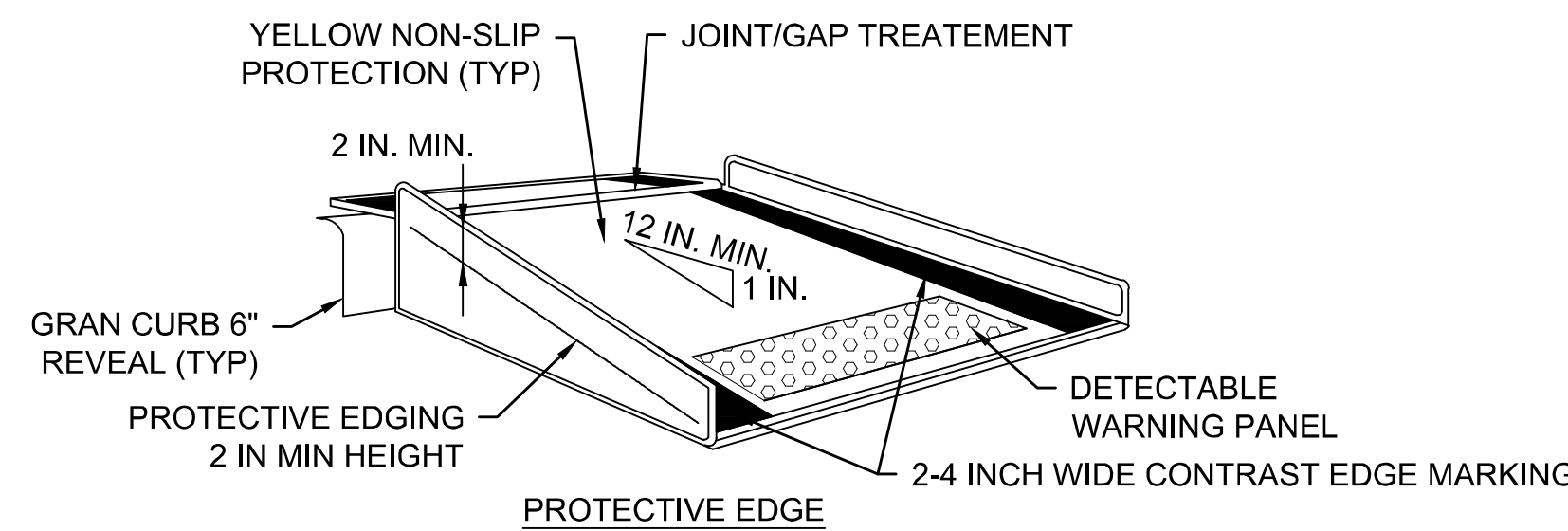
TWO LANE ROAD CENTER OF ROAD CLOSURE
NOT TO SCALE

NOTES:

- CURB RAMPS 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 SLOP STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN THE CURB RAMPS 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 RAMPS 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 DOES NOT CONFLICT WITH VEHICULAR TRAFFIC, THEN A PAD SHALL NOT BE INSTALLED ON THE RAMP.

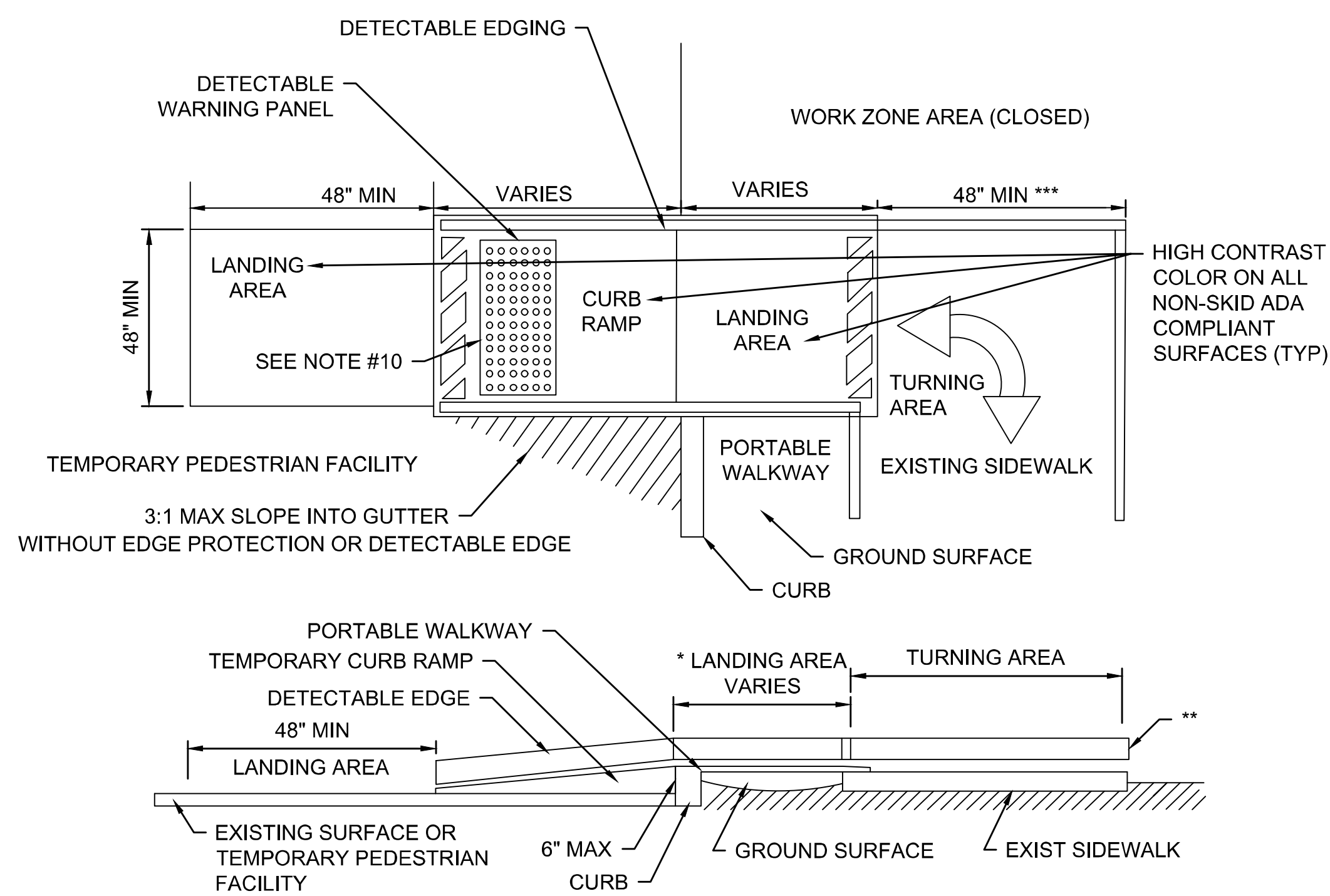


TEMPORARY CURB RAMP - PARALLEL TO CURB



TEMPORARY CURB RAMP - PERPENDICULAR TO CURB

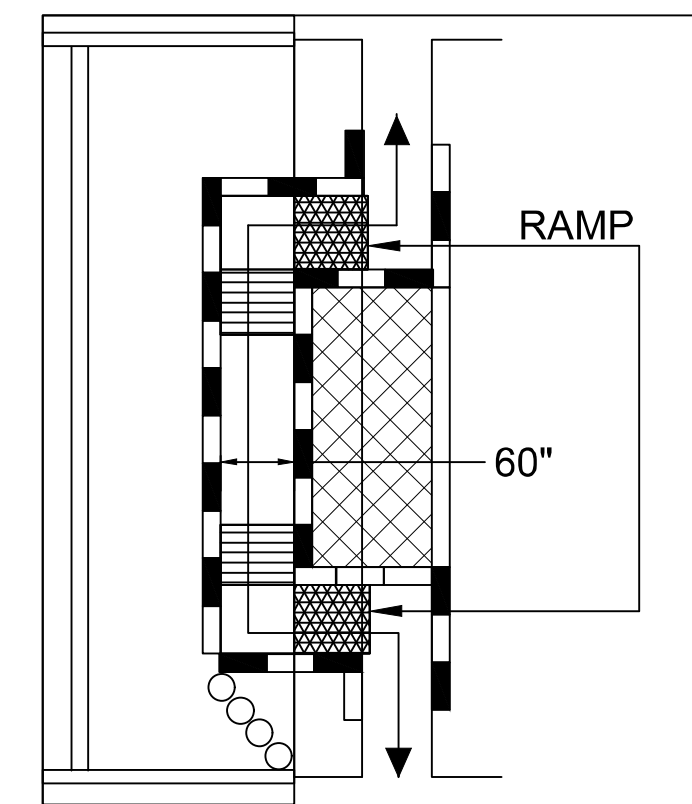
NOT TO SCALE



TEMPORARY CURB RAMP

NOT TO SCALE

- * LANDING AREA USED TO OVERLAP NON-ADA COMPLIANT SURFACES
- ** DETECTABLE EDGE REMOVED IF A CONTINUOUS SIDEWALK
- *** 60" IF AN OBSTRUCTION IS AT BACK OF SIDEWALK

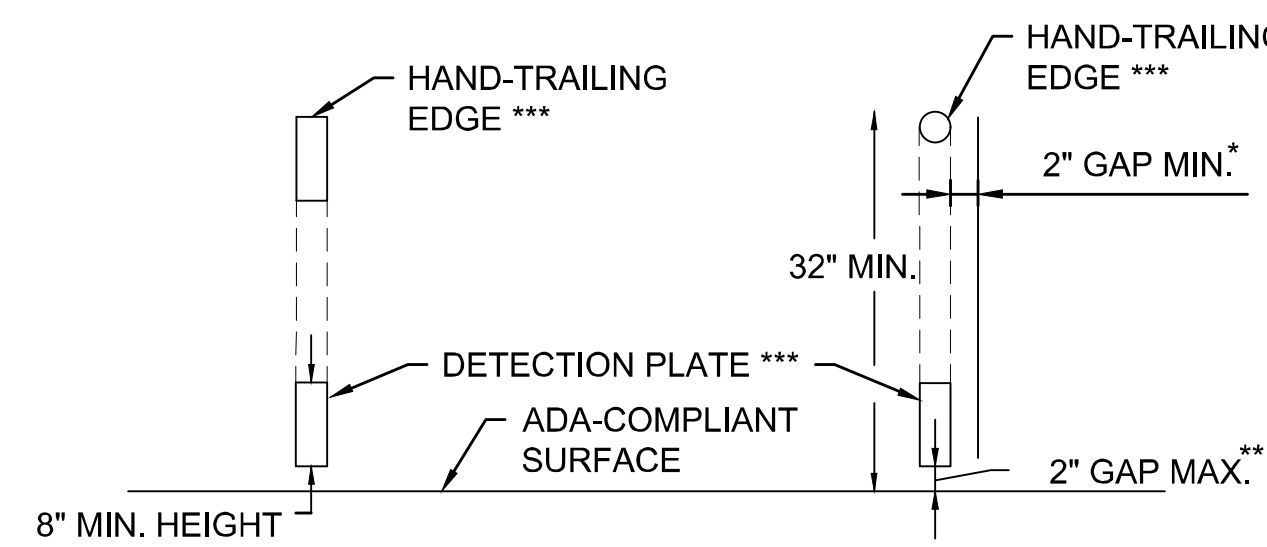


* PEDESTRIAN CHANNELIZING DEVICE

- When existing pedestrian facilities are disrupted, closed, or relocated in a TTC zone, temporary facilities shall be provided and they shall be detectable and include accessibility features consistent with the features present in the existing pedestrian facility.
- A pedestrian channelizing device that is detectable by a person with a visual disability traveling with the aid of a long cane shall be placed across the full width of the closed sidewalk.
- When used, temporary ramps shall comply with Americans with Disabilities Act (see Temporary Curb Ramp Detail, this sheet).
- The alternate pathway should have a smooth continuous hard surface for the entire length of the temporary pedestrian facility.
- The protective requirements of a TTC situation have priority in determining the need for temporary traffic barriers and their use in this situation should be based on engineering judgment.
- Audible information devices should be considered where midblock closings and changed crosswalk areas cause inadequate communication to be provided to pedestrians who have visual disabilities.

AUDIBLE DEVICES

For long term sidewalk closures (at a minimum overnight) a form of speech messaging for pedestrians with visual disabilities shall be provided. Audible information devices such as detectable barriers or barricades and other passive pedestrian activation (motion activated) devices should be considered for these cases. These audible devices can be mountable or stand alone.



CROSS SECTION VIEW

- * 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.

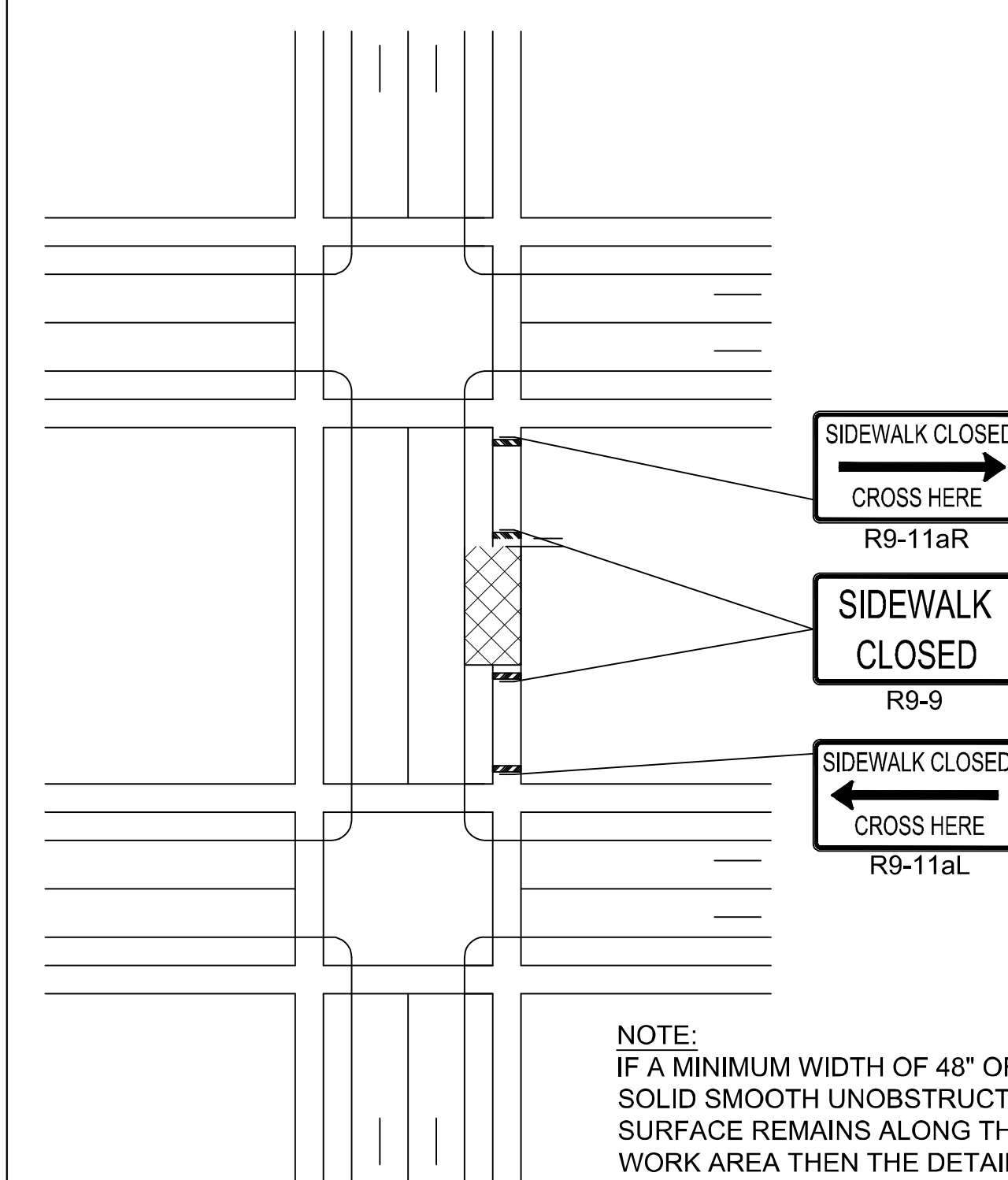
PEDESTRIAN CHANNELIZING DEVICE

NOT TO SCALE

WELLFLEET
ROUTE 6 / MAIN STREET

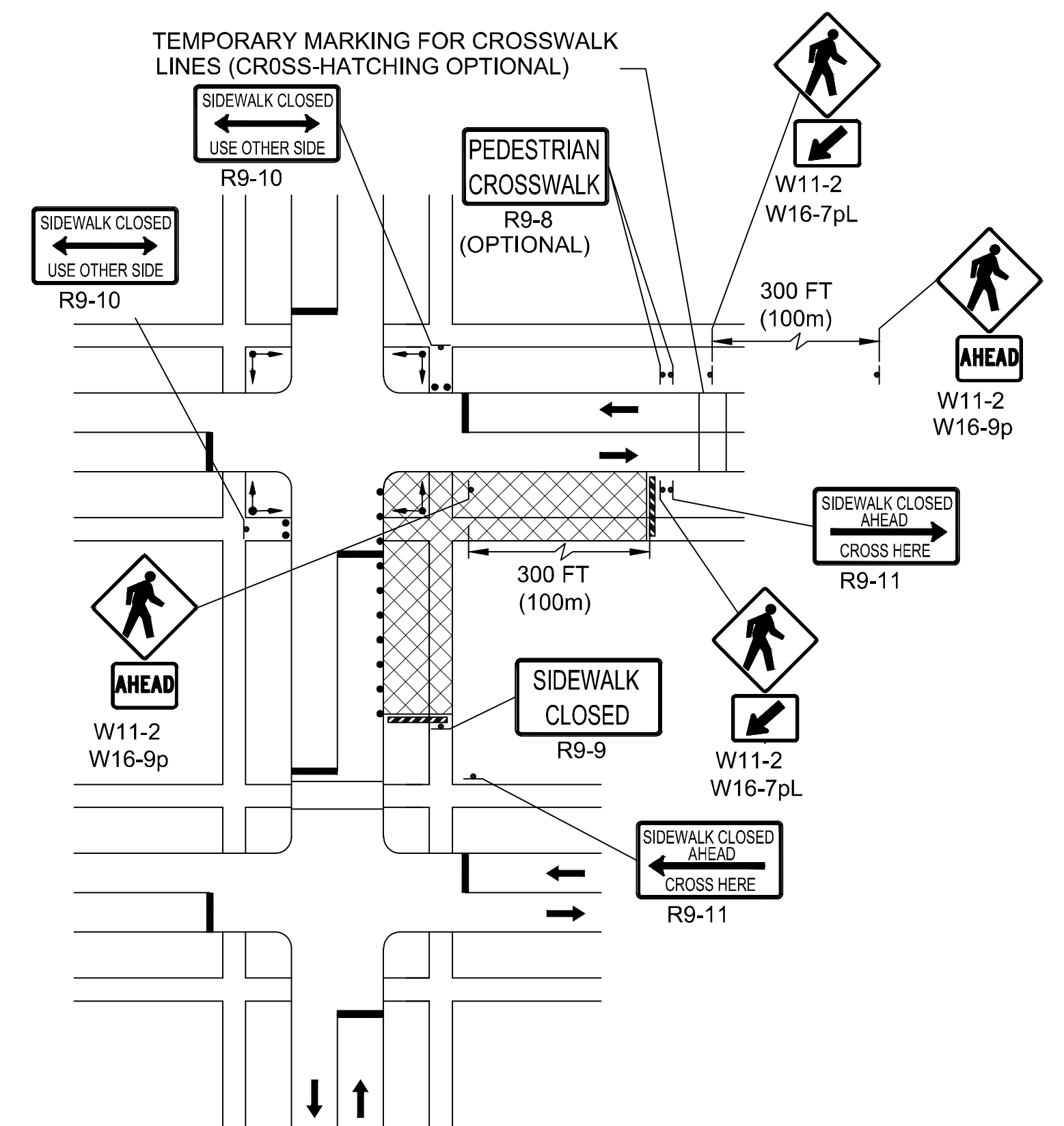
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	93	178
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TEMPORARY TRAFFIC CONTROL PLANS
PEDESTRIAN DETAILS



SIDEWALK CLOSURE

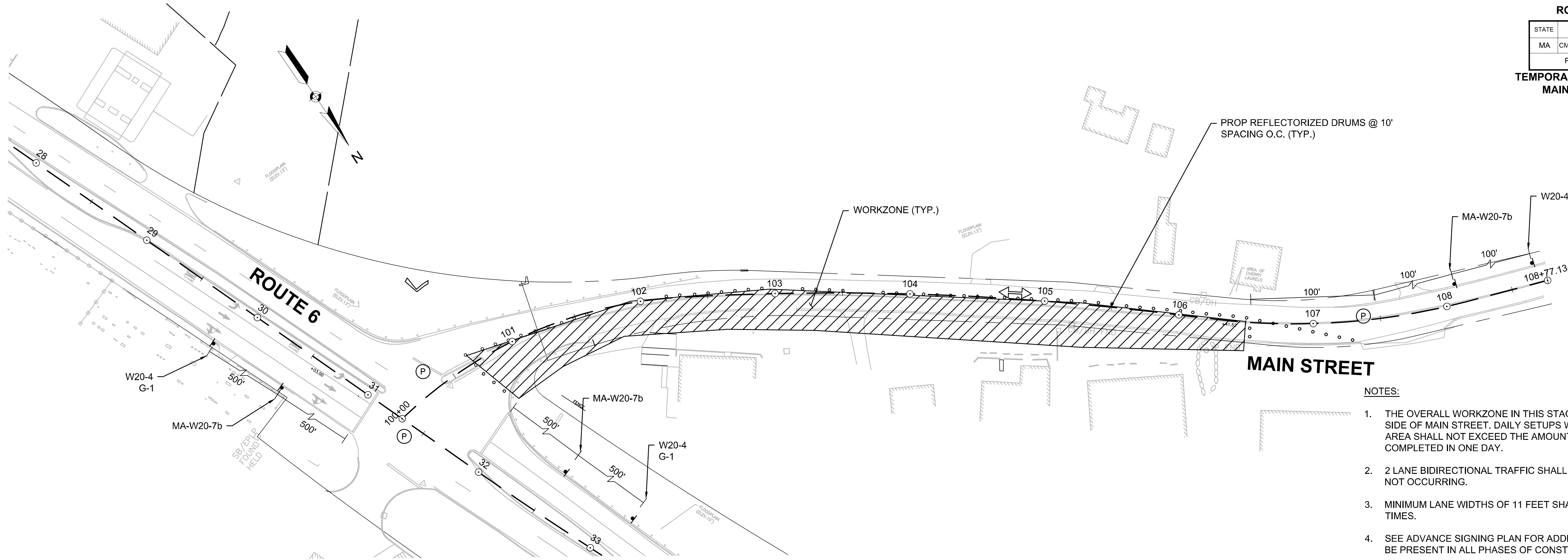
NOT TO SCALE



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

PEDESTRIAN DETOUR PLAN

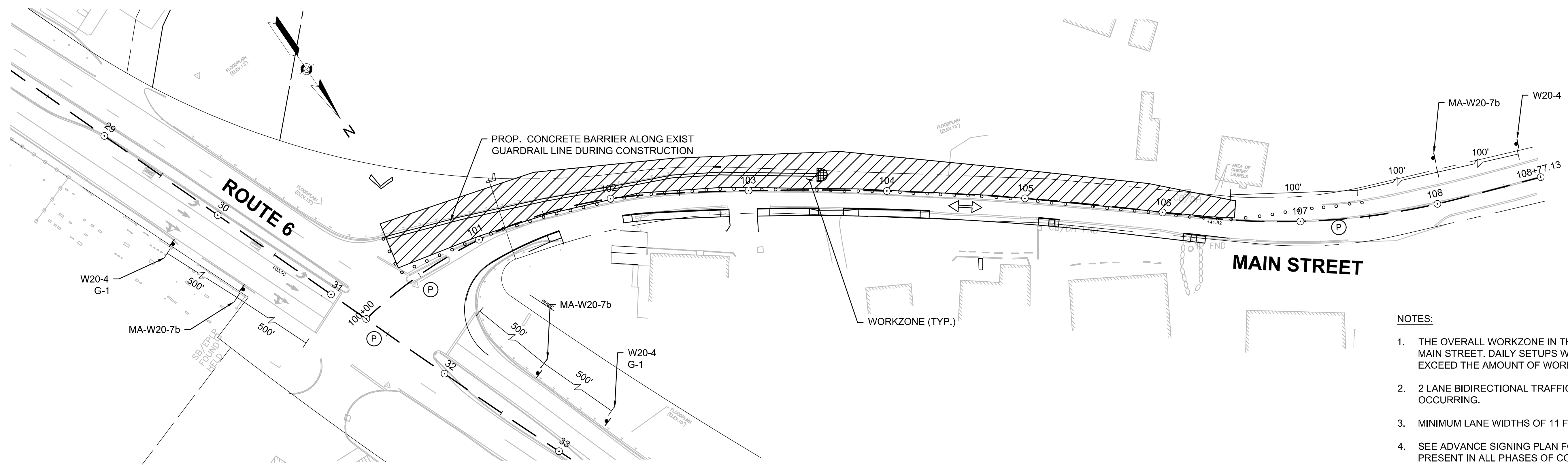
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PHASE 1

NOTES:

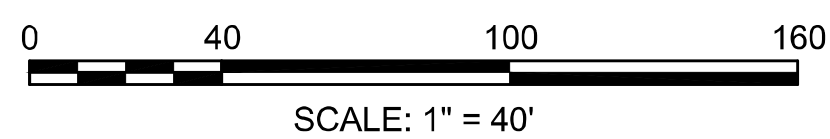
1. THE OVERALL WORKZONE IN THIS STAGE SHALL BE ON THE NORTH SIDE OF MAIN STREET. DAILY SETUPS WITHIN THE OVERALL WORK AREA SHALL NOT EXCEED THE AMOUNT OF WORK THAT CAN BE COMPLETED IN ONE DAY.
2. 2 LANE BIDIRECTIONAL TRAFFIC SHALL BE PROVIDED WHEN WORK IS NOT OCCURRING.
3. MINIMUM LANE WIDTHS OF 11 FEET SHALL BE MAINTAINED AT ALL TIMES.
4. SEE ADVANCE SIGNING PLAN FOR ADDITIONAL SIGNAGE THAT SHALL BE PRESENT IN ALL PHASES OF CONSTRUCTION.
5. DIMENSIONS ARE NOT TO SCALE.
6. THE CONTRACTOR SHALL MAINTAIN AAB COMPLIANT PEDESTRIAN ACCESS TO ALL ABUTTING PROPERTIES.

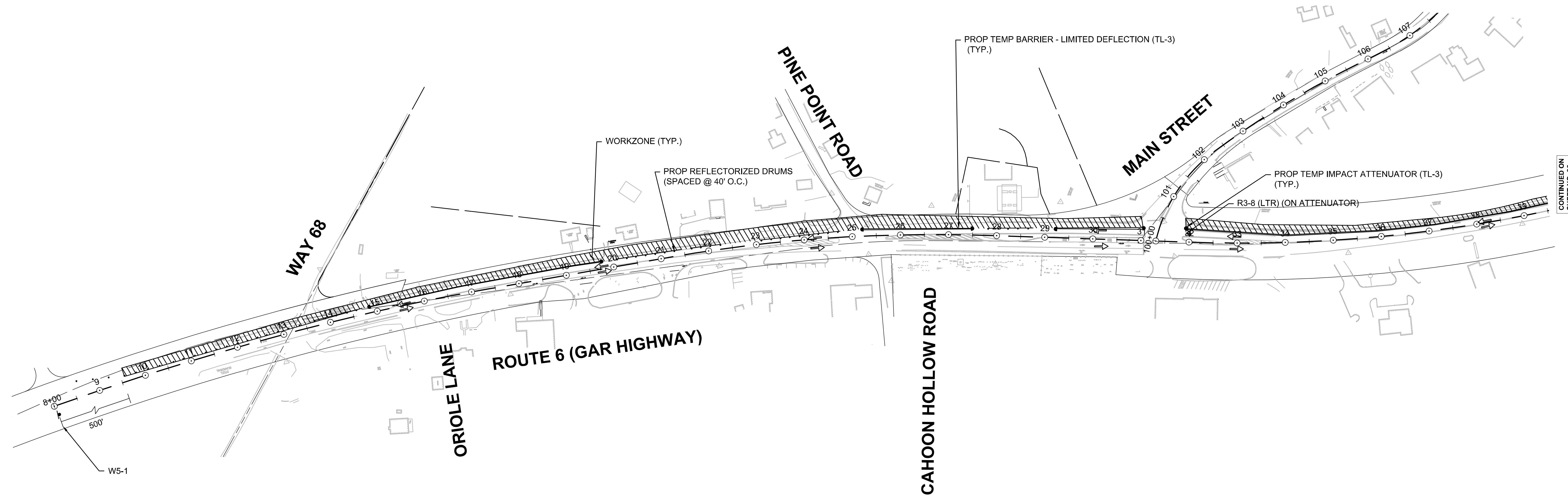
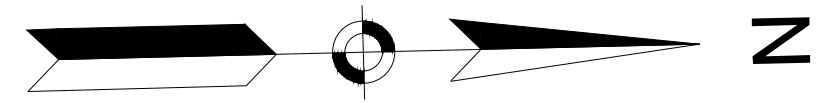


PHASE 2

NOTES:

1. THE OVERALL WORKZONE IN THIS STAGE SHALL BE ON THE SOUTH SIDE OF MAIN STREET. DAILY SETUPS WITHIN THE OVERALL WORK AREA SHALL NOT EXCEED THE AMOUNT OF WORK THAT CAN BE COMPLETED IN ONE DAY.
2. 2 LANE BIDIRECTIONAL TRAFFIC SHALL BE PROVIDED WHEN WORK IS NOT OCCURRING.
3. MINIMUM LANE WIDTHS OF 11 FEET SHALL BE MAINTAINED AT ALL TIMES.
4. SEE ADVANCE SIGNING PLAN FOR ADDITIONAL SIGNAGE THAT SHALL BE PRESENT IN ALL PHASES OF CONSTRUCTION.
5. CONTRACTOR TO INSTALL TEMPORARY CONCRETE BARRIER PRIOR TO INSTALLATION OF PERMANENT GUARDRAIL.
6. DIMENSIONS NOT TO SCALE.
7. THE CONTRACTOR SHALL MAINTAIN AAB COMPLIANT PEDESTRIAN ACCESS TO ALL ABUTTING PROPERTIES.

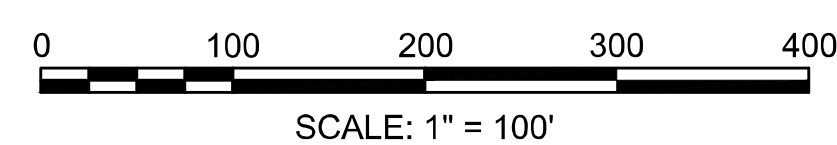




CONTINUED ON
SHEET NO. 96

NOTES:

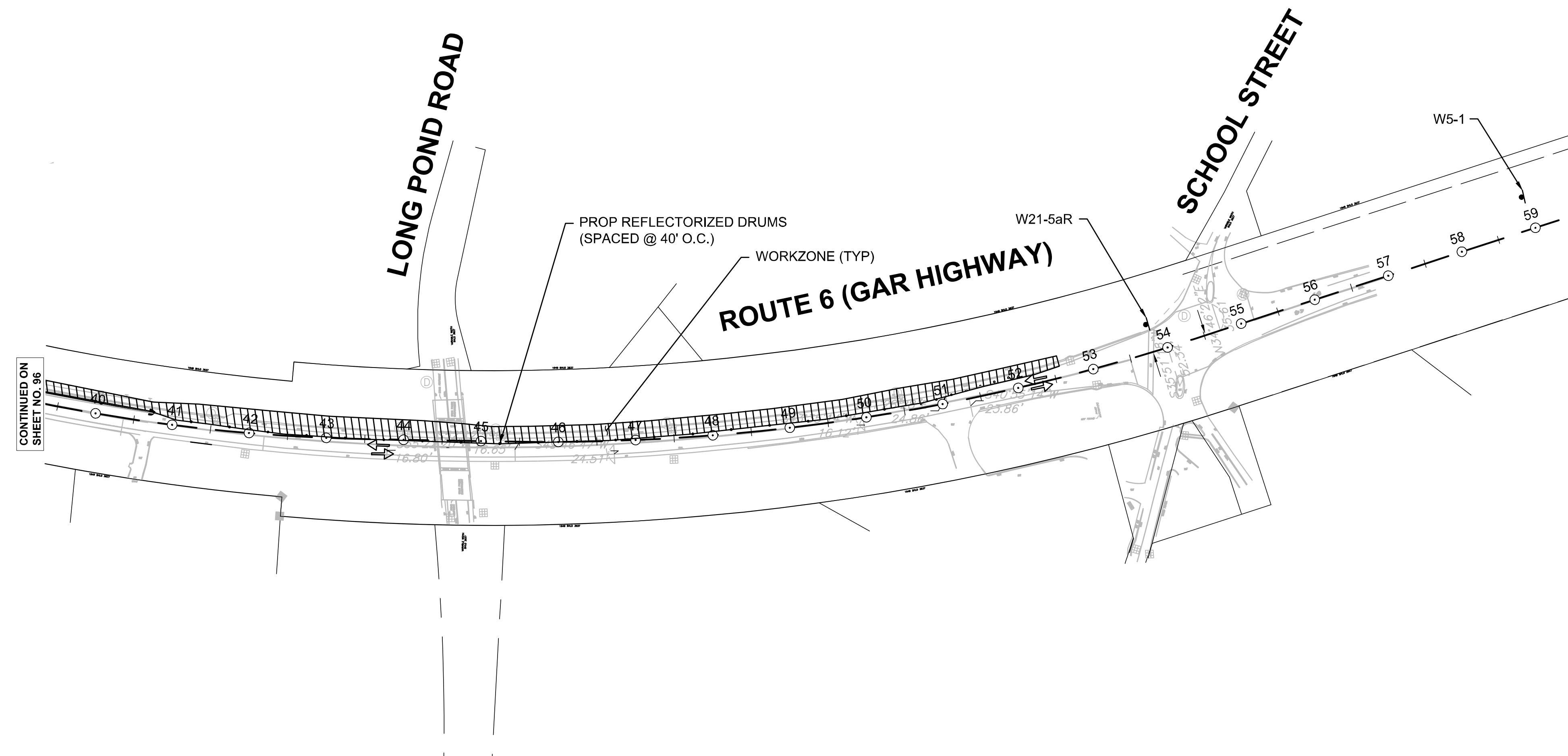
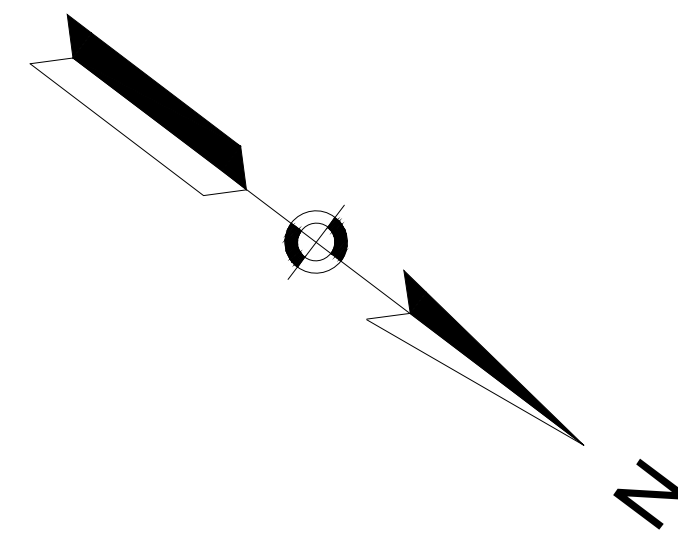
1. THE OVERALL WORKZONE IN THIS STAGE SHALL BE ON THE WEST SIDE OF ROUTE 6.
2. MINIMUM LANE WIDTHS OF 12 FEET SHALL BE MAINTAINED DURING ALL PHASES.
3. SEE ADVANCE SIGNING PLAN FOR ADDITIONAL SIGNAGE THAT SHALL BE PRESENT IN ALL PHASES OF CONSTRUCTION.
4. DIMENSIONS ARE NOT TO SCALE.
5. THE CONTRACTOR SHALL ESTABLISH AAB COMPLIANT WALKWAYS WITHIN THE WORKZONES AND MAINTAIN AND/OR RELOCATE THESE WALKWAYS AS NECESSARY TO COMPLETE THE WORK.
6. NORTH OF MAIN STREET, ONLY PROVISION FOR PEDESTRIAN ACCESS ON THE EAST SIDE OF ROUTE 6 IS REQUIRED TO STA 38+50. PEDESTRIAN ACCESS PROVISIONS ARE NOT REQUIRED BEYOND THIS STATION.



WELLFLEET
ROUTE 6 / MAIN STREET

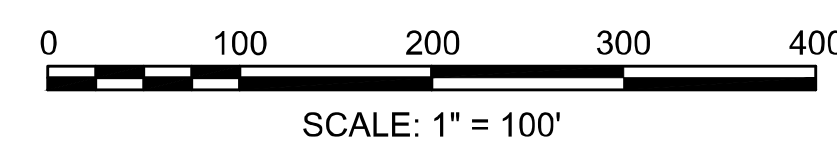
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	96	178
PROJECT FILE NO.		607397	

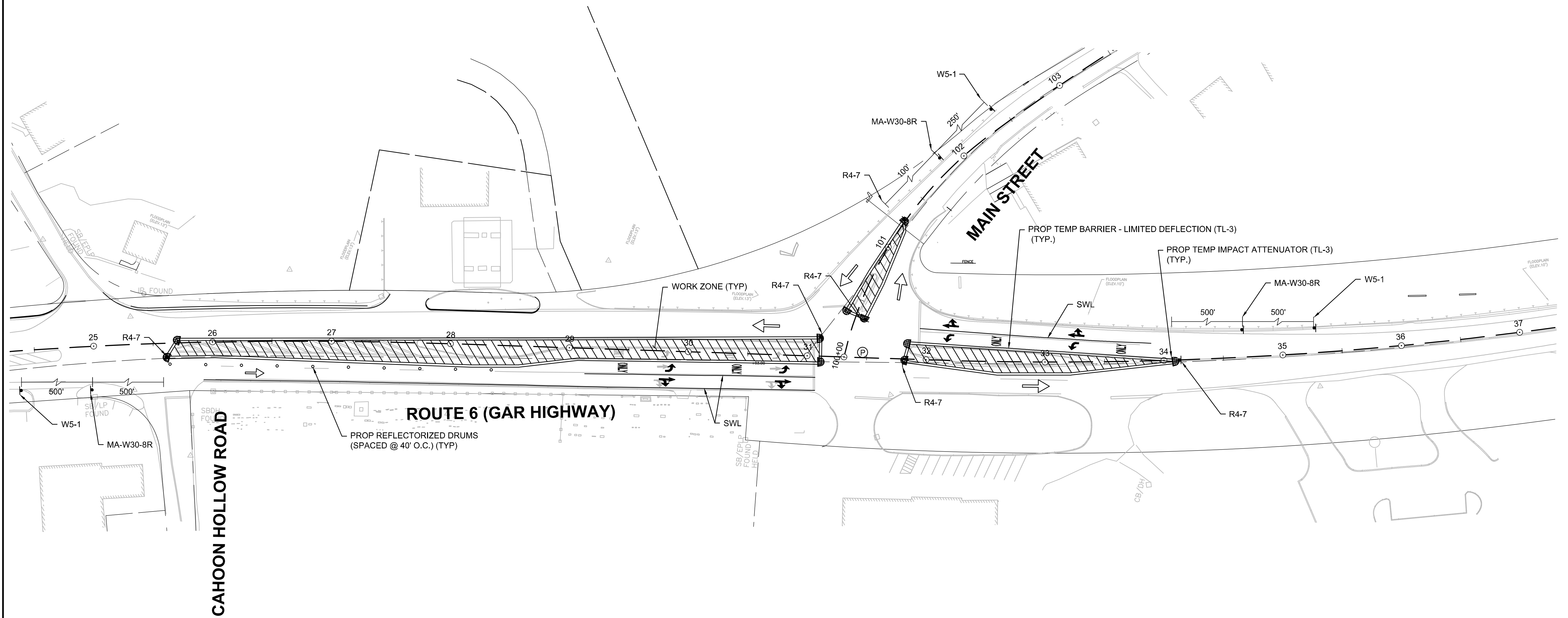
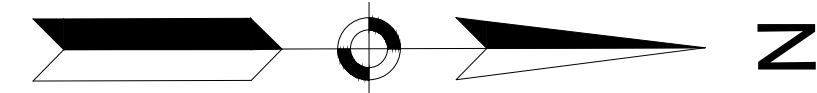
TEMPORARY TRAFFIC CONTROL PLANS
ROUTE 6 PHASE 1 - PART 2 OF 2



NOTES:

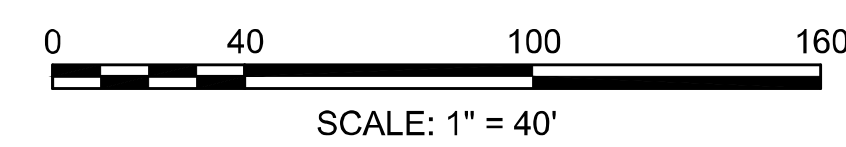
1. THE OVERALL WORKZONE IN THIS STAGE SHALL BE ON THE WEST SIDE OF ROUTE 6.
2. MINIMUM LANE WIDTHS OF 12 FEET SHALL BE MAINTAINED DURING ALL PHASES.
3. SEE ADVANCE SIGNING PLAN FOR ADDITIONAL SIGNAGE THAT SHALL BE PRESENT IN ALL PHASES OF CONSTRUCTION.
4. DIMENSIONS ARE NOT TO SCALE.
5. THE CONTRACTOR SHALL ESTABLISH AAB COMPLIANT WALKWAYS WITHIN THE WORKZONES AND MAINTAIN AND/OR RELOCATE THESE WALKWAYS AS NECESSARY TO COMPLETE THE WORK.
6. NORTH OF MAIN STREET, ONLY PROVISION FOR PEDESTRIAN ACCESS ON THE EAST SIDE OF ROUTE 6 IS REQUIRED.

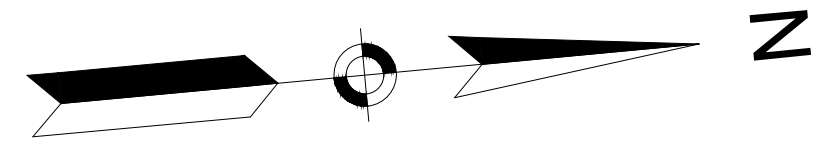




NOTES:

1. THE WORKZONES ARE ESTABLISHED TO REMOVE EXISTING MEDIAN ISLANDS.
2. MINIMUM LANE WIDTHS OF 11 FEET SHALL BE MAINTAINED AT ALL TIMES.
3. SEE ADVANCE SIGNING PLAN FOR ADDITIONAL SIGNAGE THAT SHALL BE PRESENT IN ALL PHASES OF CONSTRUCTION.
4. DIMENSIONS ARE NOT TO SCALE.

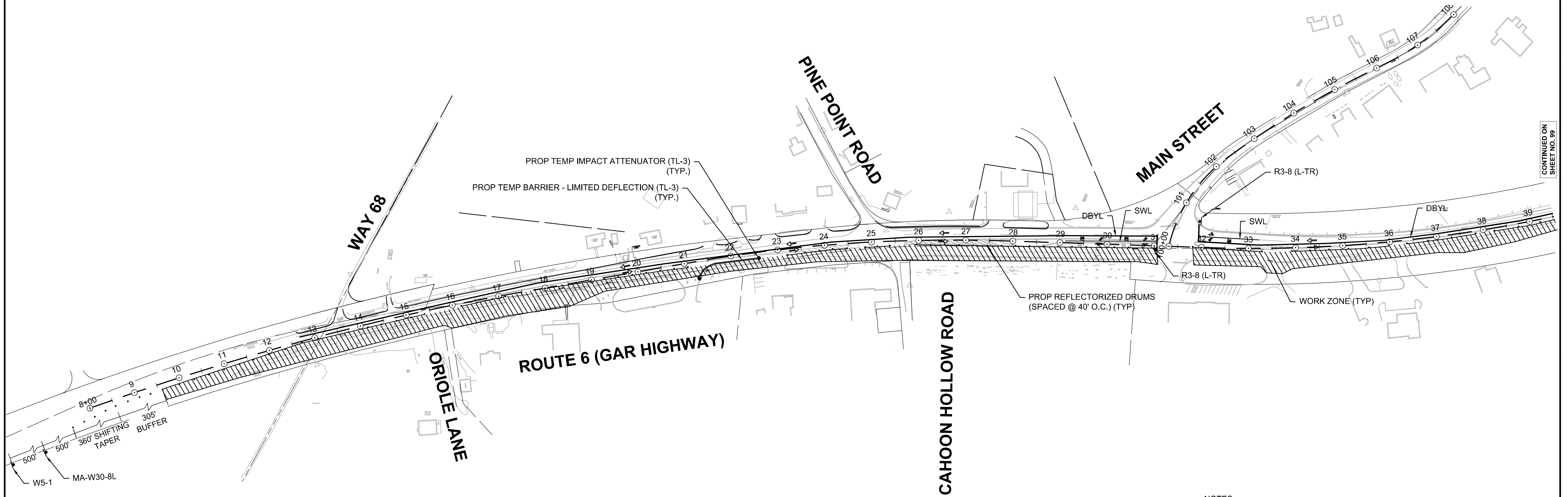




**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	98	178
PROJECT FILE NO. 607397			

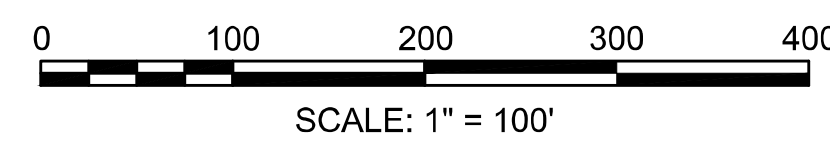
**TEMPORARY TRAFFIC CONTROL PLANS
ROUTE 6 PHASE 3
PART 1 OF 2**



CONTINUED ON SHEET NO. 99

NOTES:

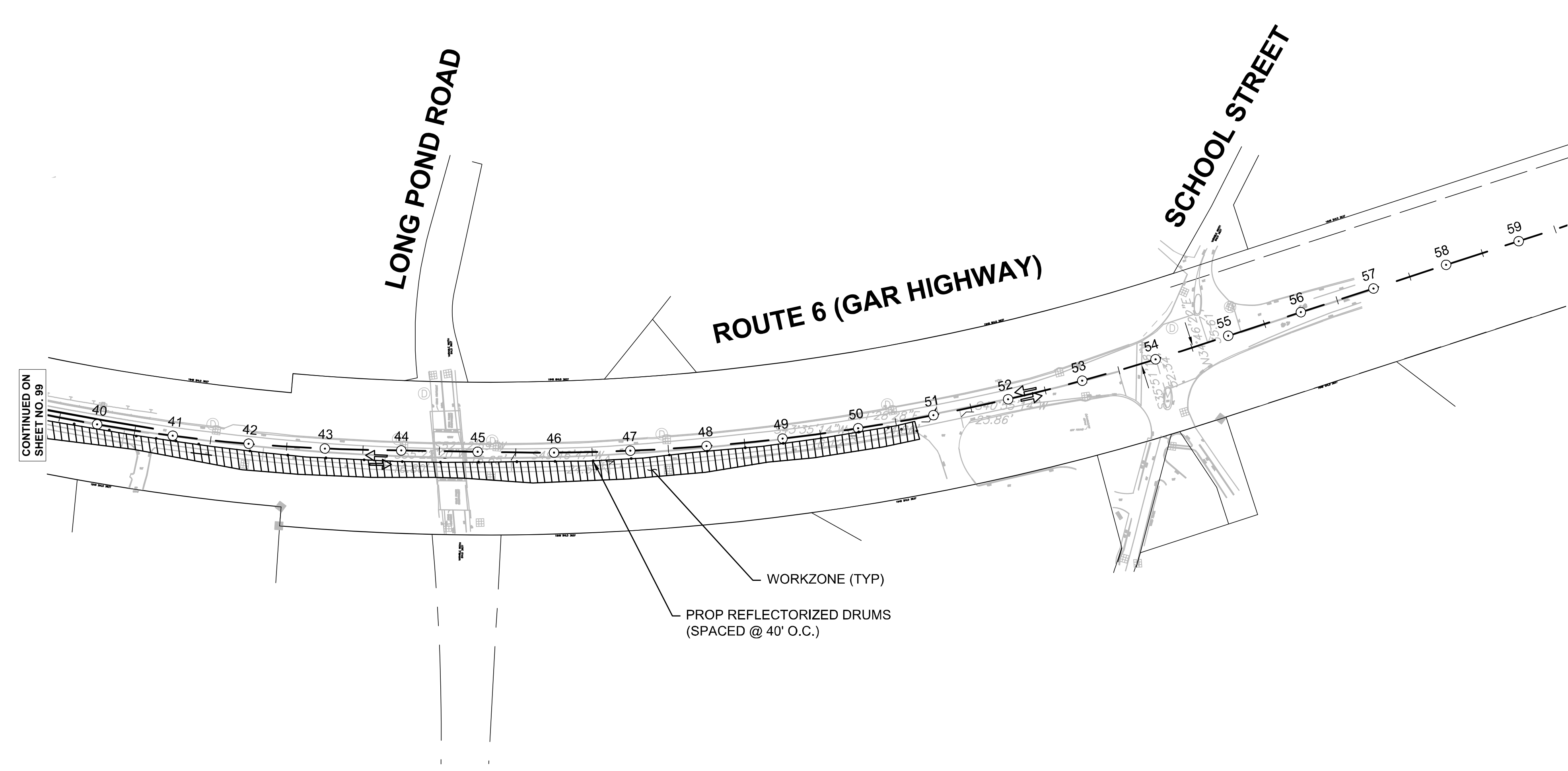
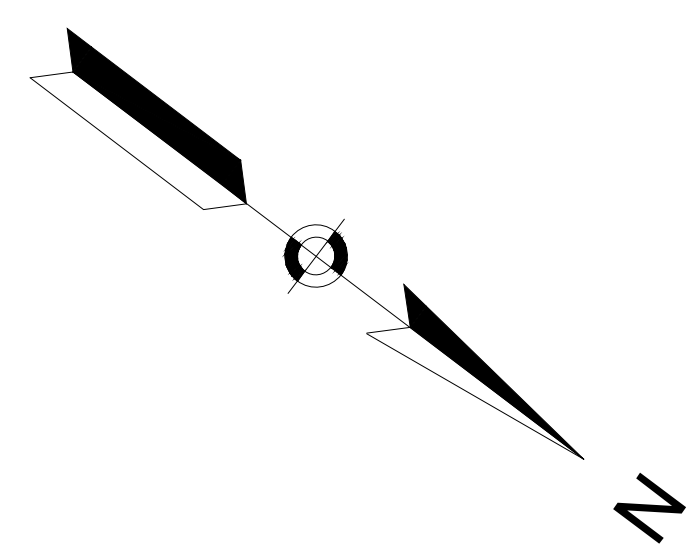
1. THE OVERALL WORKZONE IN THE STAGE SHALL BE ON THE EAST SIDE OF ROUTE 6.
2. MINIMUM LANE WIDTHS OF 12 FEET SHALL BE MAINTAINED AT ALL TIMES.
3. SEE ADVANCE SIGNING PLAN FOR ADDITIONAL SIGNAGE THAT SHALL BE PRESENT IN ALL PHASES OF CONSTRUCTION.
4. DIMENSIONS ARE NOT TO SCALE.
5. THE CONTRACTOR SHALL ESTABLISH AAB COMPLIANT WALKWAYS WITHIN THE WORKZONES AND MAINTAIN AND/OR RELOCATE THESE WALKWAYS AS NECESSARY TO COMPLETE THE WORK.
6. NORTH OF MAIN STREET, ONLY PROVISION FOR PEDESTRIAN ACCESS ON THE EAST SIDE OF ROUTE 6 IS REQUIRED TO STA 38+50. PEDESTRIAN ACCESS PROVISIONS ARE NOT REQUIRED BEYOND THIS STATION.
7. THE CONTRACTOR MAY INSTALL A SEPARATE, SIMILAR TEMPORARY TRAFFIC CONTROL SETUP FOR THE INSTALLATION OF PROPOSED TELEPHONE DUCT BANK ALONG THE EAST SIDE OF ROUTE 6. THIS TELEPHONE WORK MAY BE STAGED SEPARATELY FROM THE ROAD WORK.



WELLFLEET
ROUTE 6 / MAIN STREET

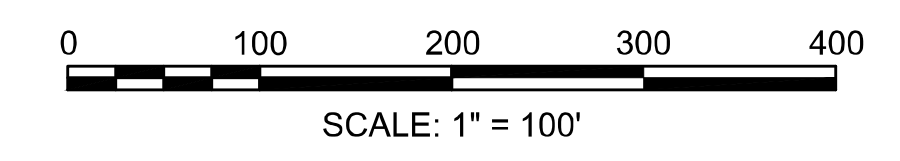
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	99	178
PROJECT FILE NO.		607397	

TEMPORARY TRAFFIC CONTROL PLANS
ROUTE 6 PHASE 3 - PART 2 OF 2



NOTES:

1. THE OVERALL WORKZONE IN THIS STAGE SHALL BE ON THE WEST SIDE OF ROUTE 6.
2. MINIMUM LANE WIDTHS OF 12 FEET SHALL BE MAINTAINED DURING ALL PHASES.
3. SEE ADVANCE SIGNING PLAN FOR ADDITIONAL SIGNAGE THAT SHALL BE PRESENT IN ALL PHASES OF CONSTRUCTION.
4. DIMENSIONS ARE NOT TO SCALE.
5. THE CONTRACTOR SHALL ESTABLISH AAB COMPLIANT WALKWAYS WITHIN THE WORKZONES AND MAINTAIN AND/OR RELOCATE THESE WALKWAYS AS NECESSARY TO COMPLETE THE WORK.
6. NORTH OF MAIN STREET, ONLY PROVISION FOR PEDESTRIAN ACCESS ON THE EAST SIDE OF ROUTE 6 IS REQUIRED.

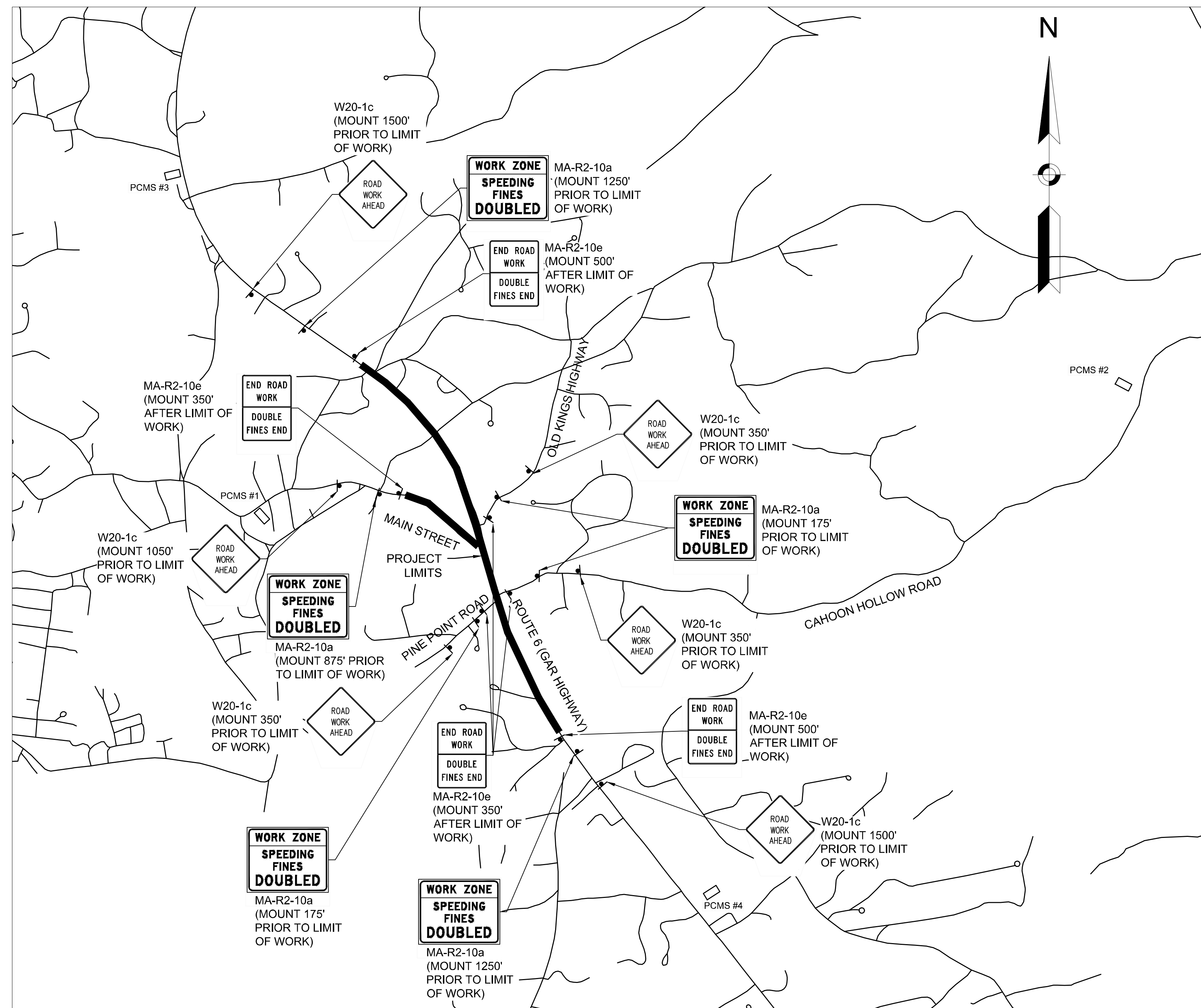


SUGGESTED PCMS MESSAGES

	PRIOR TO ROUTE 6 CONSTRUCTION	DURING ROUTE 6 CONSTRUCTION	PRIOR TO MAIN STREET CONSTRUCTION	DURING MAIN STREET CONSTRUCTION
PCMS #1-4	ROUTE 6 ROAD WORK	ROUTE 6 ROAD WORK	MAIN ST ROAD WORK	MAIN ST ROAD WORK
	BEGINS XXXX XX	EXPECT DELAYS	BEGINS XXXX XX	EXPECT DELAYS

NOTE:
PCMS MESSAGES SUBJECT TO APPROVAL BY THE ENGINEER

NOTE:
A TEMPORARY IMPACT ATTENUATOR, REDIRECTIVE (TL-3) SHALL BE INSTALLED AT BOTH ENDS OF EACH RUN OF TEMPORARY BARRIER - LIMITED DEFLECTION (TL-3) ON ROUTE 6 AND AS REQUIRED BY THE ENGINEER.



ADVANCE SIGNING PLAN
NOT TO SCALE

NOTE:
 SUPER HIGH INTENSITY UNMETALIZED MICROPRISMATIC ELEMENT
 REFLECTIVE SHEETING M9.30.0 TYPE VII, VIII, IX, OR X
 SHALL BE USED FOR ALL SIGNS.

FLUOR - FLUORESCENT

WELLFLEET
 ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	101	178
PROJECT FILE NO.		607397	

TEMPORARY TRAFFIC CONTROL PLANS
 TTCP SIGN SUMMARY

CONSTRUCTION SIGN SUMMARY

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS			NUMBER OF SIGNS REQUIRED	COLOR			AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW		BACK-GROUND	LEGEND	BORDER	
MA-R2-10a	48"	36"		PER MASSDOT STANDARDS			6	FLUOR ORANGE WHITE	BLACK	BLACK	72.00
MA-R2-10e	36"	48"		↓ ↓ ↓			6	FLUOR ORANGE WHITE	BLACK	BLACK	72.00
R3-8(L-TR)	36"	30"		PER 2009 MUTCD			2	WHITE	BLACK	BLACK	15.00
R3-8(LTR)	30"	30"		↓ ↓ ↓			2	WHITE	BLACK	BLACK	12.50
R4-7	24"	30"		↓ ↓ ↓			6	WHITE	BLACK	BLACK	30.00
R9-9	24"	12"		↓ ↓ ↓			2	WHITE	BLACK	BLACK	4.00
R9-10	24"	12"		↓ ↓ ↓			2	WHITE	BLACK	BLACK	4.00
R9-11L	24"	18"		↓ ↓ ↓			1	WHITE	BLACK	BLACK	3.00
R9-11R	24"	18"		↓ ↓ ↓			1	WHITE	BLACK	BLACK	3.00
R9-11aL	24"	12"		↓ ↓ ↓			1	WHITE	BLACK	BLACK	2.00
R9-11aR	24"	12"		↓ ↓ ↓			1	WHITE	BLACK	BLACK	2.00
W1-4L	36"	36"		↓ ↓ ↓			2	FLUOR ORANGE	BLACK	BLACK	18.00
W1-4R	36"	36"		↓ ↓ ↓			2	FLUOR ORANGE	BLACK	BLACK	18.00
W5-1	36"	36"		↓ ↓ ↓			3	FLUOR ORANGE	BLACK	BLACK	27.00
W11-2	36"	36"		↓ ↓ ↓			4	FLUOR YELLOW-GREEN	BLACK	BLACK	36.00
W16-7PL	24"	12"		↓ ↓ ↓			2	FLUOR YELLOW-GREEN	BLACK	BLACK	4.00
W16-9P	24"	12"		↓ ↓ ↓			2	FLUOR YELLOW-GREEN	BLACK	BLACK	4.00
W20-1c	36"	36"		↓ ↓ ↓			6	FLUOR ORANGE	BLACK	BLACK	54.00
W20-4	36"	36"		↓ ↓ ↓			3	FLUOR ORANGE	BLACK	BLACK	27.00
MA-W20-7b	36"	36"		PER MASSDOT STANDARDS			3	FLUOR ORANGE	BLACK	BLACK	27.00
W20-7a	36"	36"		PER 2009 MUTCD			3	FLUOR ORANGE	BLACK	BLACK	27.00

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS			NUMBER OF SIGNS REQUIRED	COLOR			AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW		BACK-GROUND	LEGEND	BORDER	
W21-5aR	36"	36"		PER 2009 MUTCD			1	FLUOR ORANGE	BLACK	BLACK	9.00
MA-W30-8L	36"	36"		PER MASSDOT STANDARDS			2	FLUOR ORANGE	BLACK	BLACK	18.00
MA-W30-8R	36"	36"		PER MASSDOT STANDARDS			3	FLUOR ORANGE	BLACK	BLACK	27.00
G-1	30"	12"		6" C	3" 3"		2	FLUOR ORANGE	BLACK	BLACK	5.00

**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQHS/STP/TAP-0035(062)X	102	178
PROJECT FILE NO.		607397	

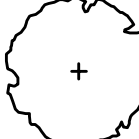
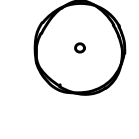
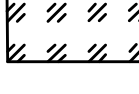
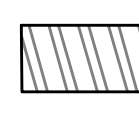


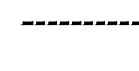

**LANDSCAPE PLAN
PART 1 OF 11**

APN 23_226_0
2507 STATE HIGHWAY RTE 6
N/F
LOIS RUSTIA
BK 27817 PG 79

APN 23_226_0
2507 STATE HIGHWAY RTE 6
N/F
LOIS RUSTIA
BK 27817 PG 79

APN 23_231_0
2516 STATE HIGHWAY RTE 6
N/F
COMMONWEALTH OF MASSACHUSETTS
BK 3377 PG 74

PLANTING LEGEND

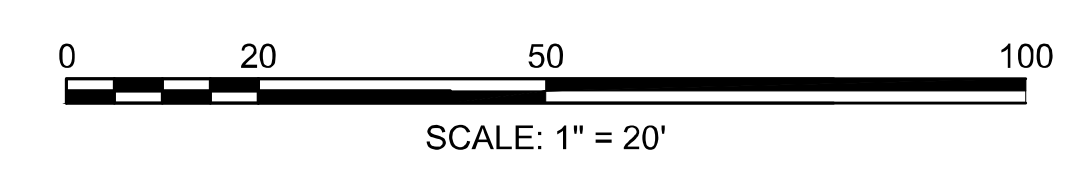
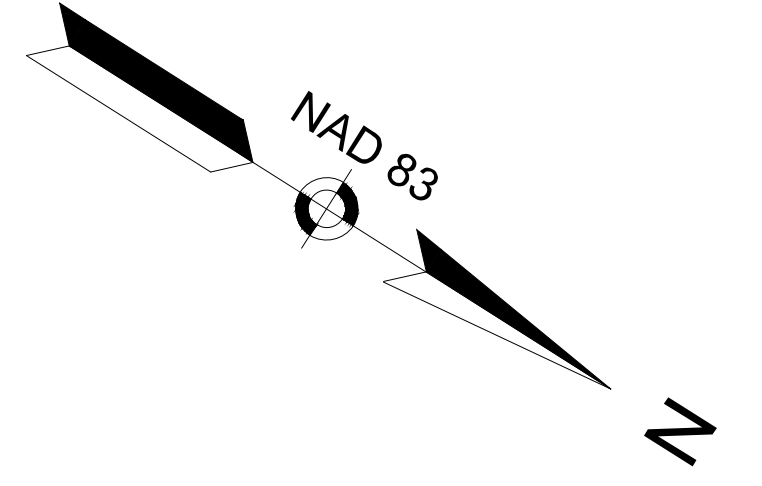
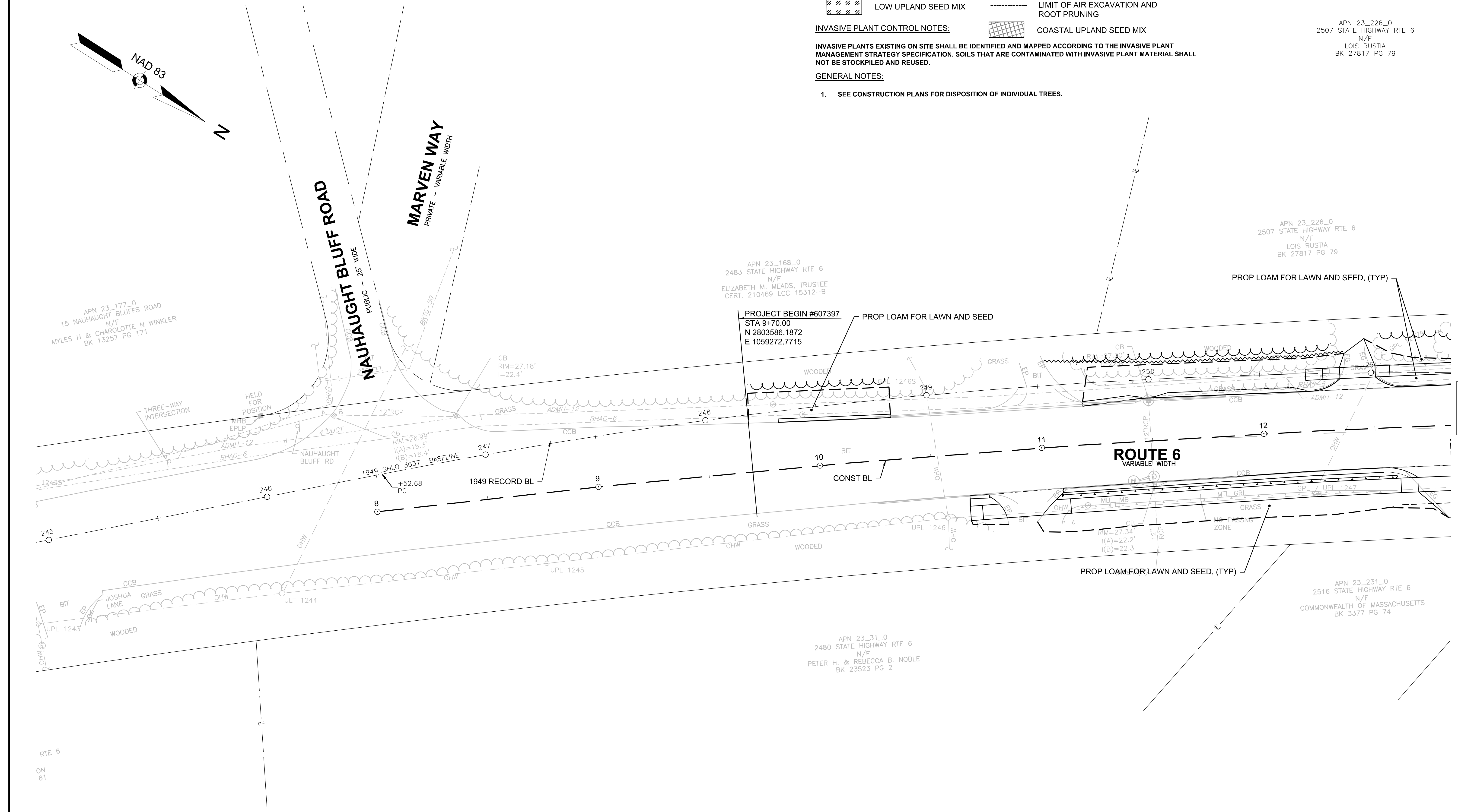
-  PROPOSED DECIDUOUS TREE
-  PROPOSED ORNAMENTAL TREE
-  LOW UPLAND SEED MIX
-  ROADSIDE RIVERBANK SEED MIX
-  TREE AND PLANT PROTECTION FENCE
-  TREE ARMORING AND PRUNING
-  LIMIT OF AIR EXCAVATION AND ROOT PRUNING
-  COASTAL UPLAND SEED MIX

INVASIVE PLANT CONTROL NOTES:

INVASIVE PLANTS EXISTING ON SITE SHALL BE IDENTIFIED AND MAPPED ACCORDING TO THE INVASIVE PLANT MANAGEMENT STRATEGY SPECIFICATION. SOILS THAT ARE CONTAMINATED WITH INVASIVE PLANT MATERIAL SHALL NOT BE STOCKPILED AND REUSED.

GENERAL NOTES:

- SEE CONSTRUCTION PLANS FOR DISPOSITION OF INDIVIDUAL TREES.



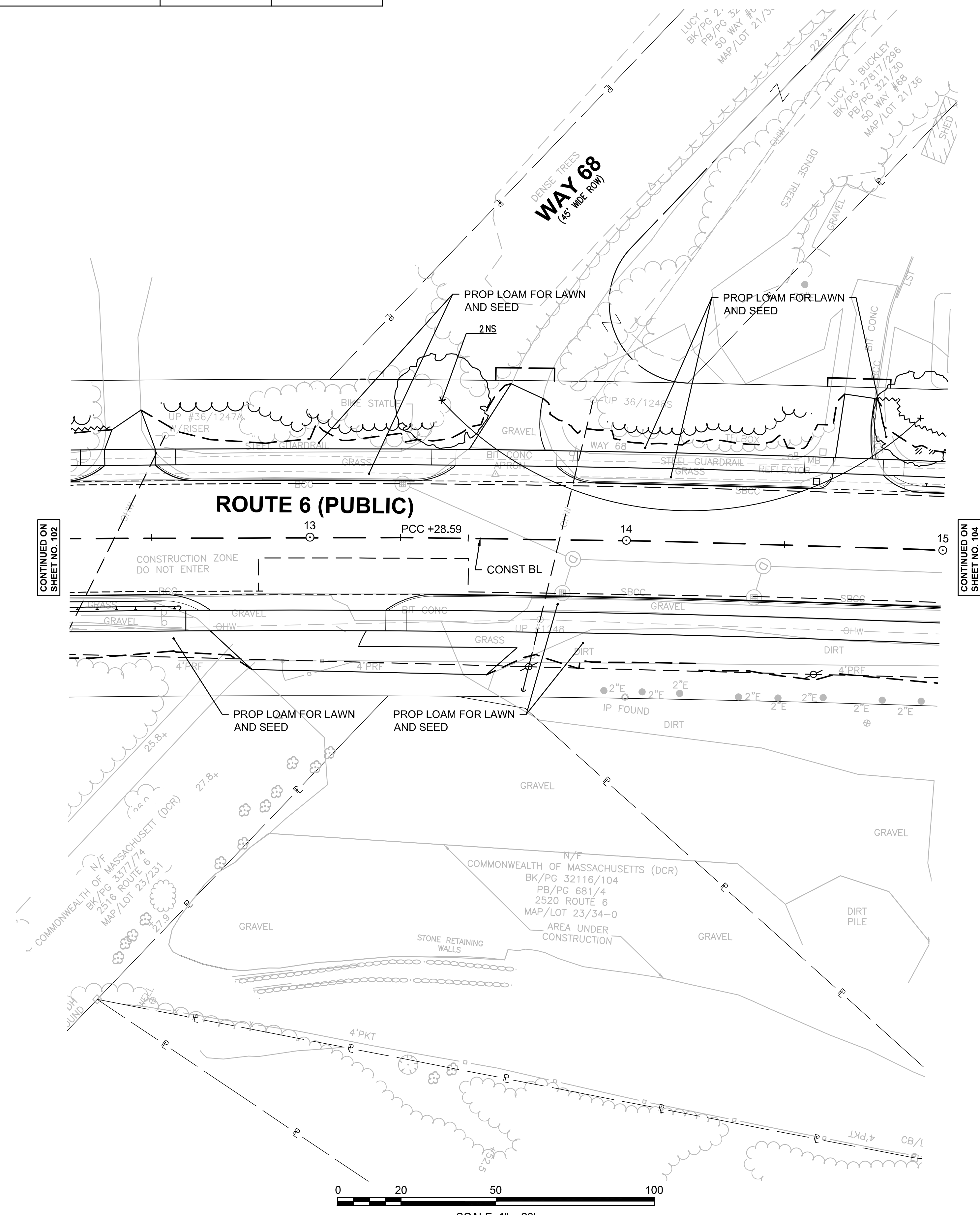
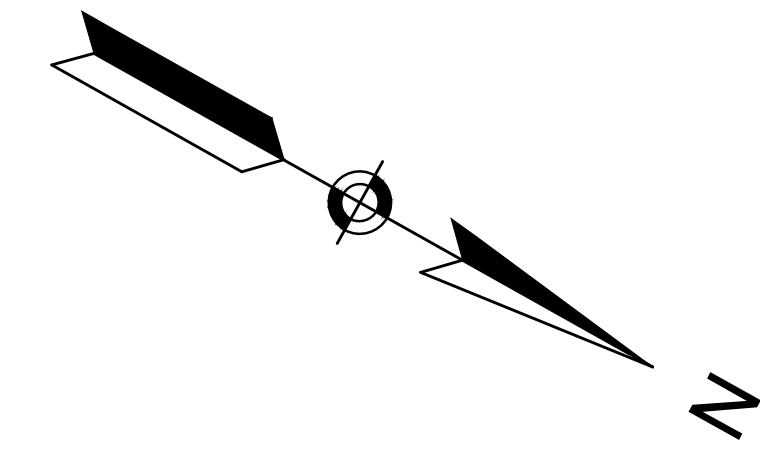
CONTINUED ON
SHEET NO. 103

607397_LD/LANDSCAPE PLANS-MBJ/DWG Plotted on: 25-Apr-2023 11:23 AM

PLANT SCHEDULE					
QTY.	ID	BOTANICAL NAME	COMMON NAME	SIZE	COMMENT
		<u>DECIDUOUS TREES</u>			
2	NS	NYSSA SYLVATICA	TUPELO	2-2.5 INCH CAL.	B&B

WELLFLEET ROUTE 6 / MAIN STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/ST/P/TAP-0035(052)X	103	178
PROJECT FILE NO.		607397	

**LANDSCAPE PLAN
PART 2 OF 11**



PLANTING LEGEND

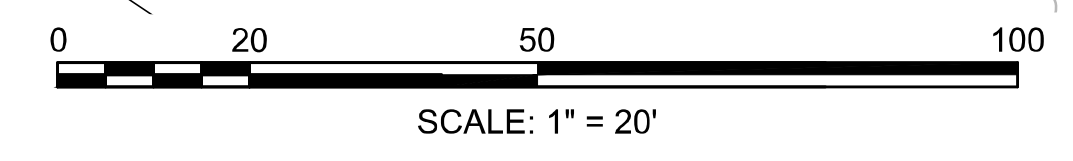
- PROPOSED DECIDUOUS TREE
- PROPOSED ORNAMENTAL TREE
- LOW UPLAND SEED MIX
- ROADSIDE RIVERBANK SEEDMIX
- TREE AND PLANT PROTECTION FENCE
- TREE ARMORING AND PRUNING
- LIMIT OF AIR EXCAVATION AND ROOT PRUNING
- COASTAL UPLAND SEED MIX

INVASIVE PLANT CONTROL NOTES:

INVASIVE PLANTS EXISTING ON SITE SHALL BE IDENTIFIED AND MAPPED ACCORDING TO THE INVASIVE PLANT MANAGEMENT STRATEGY SPECIFICATION. SOILS THAT ARE CONTAMINATED WITH INVASIVE PLANT MATERIAL SHALL NOT BE STOCKPILED AND REUSED.

GENERAL NOTES:

- SEE CONSTRUCTION PLANS FOR DISPOSITION OF INDIVIDUAL TREES.



CONTINUED ON SHEET NO. 102

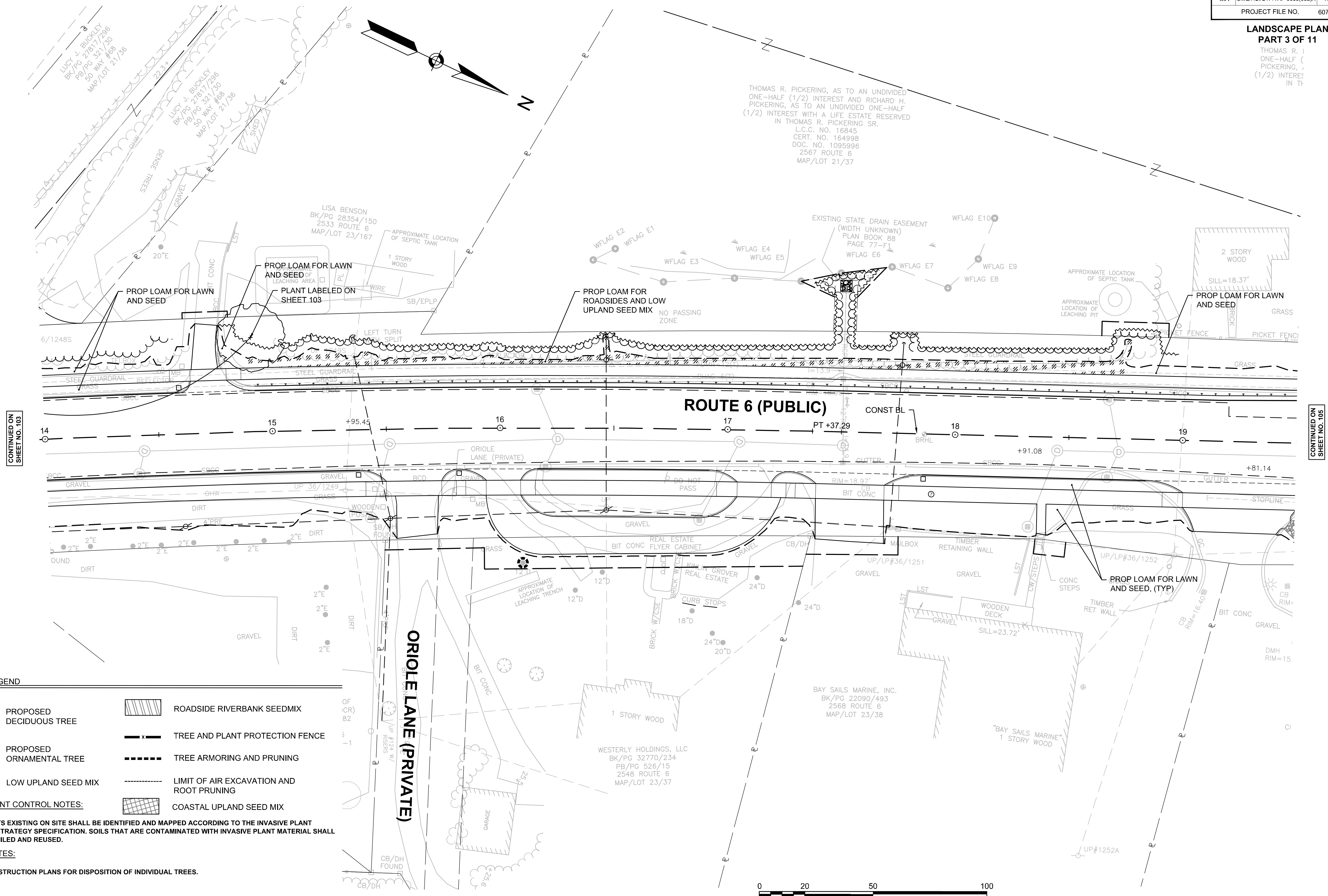
CONTINUED ON SHEET NO. 104

**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/ST/P/TAP-0035(05)X	104	178
PROJECT FILE NO.		607397	

**LANDSCAPE PLAN
PART 3 OF 11**

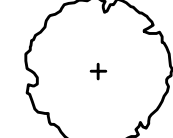
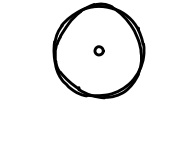
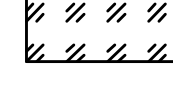
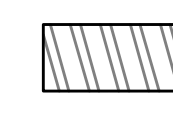



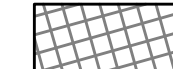
THOMAS R. PICKERING, AS TO AN UNDIVIDED ONE-HALF (1/2) INTEREST AND RICHARD H. PICKERING, AS TO AN UNDIVIDED ONE-HALF (1/2) INTEREST WITH A LIFE ESTATE RESERVED IN TR



CONTINUED ON SHEET NO. 103

CONTINUED ON SHEET NO. 105

PLANTING LEGEND

-  PROPOSED DECIDUOUS TREE
-  PROPOSED ORNAMENTAL TREE
-  LOW UPLAND SEED MIX
-  ROADSIDE RIVERBANK SEEDMIX
-  TREE AND PLANT PROTECTION FENCE
-  TREE ARMORING AND PRUNING
-  LIMIT OF AIR EXCAVATION AND ROOT PRUNING
-  COASTAL UPLAND SEED MIX

INVASIVE PLANT CONTROL NOTES:

INVASIVE PLANTS EXISTING ON SITE SHALL BE IDENTIFIED AND MAPPED ACCORDING TO THE INVASIVE PLANT MANAGEMENT STRATEGY SPECIFICATION. SOILS THAT ARE CONTAMINATED WITH INVASIVE PLANT MATERIAL SHALL NOT BE STOCKPILED AND REUSED.

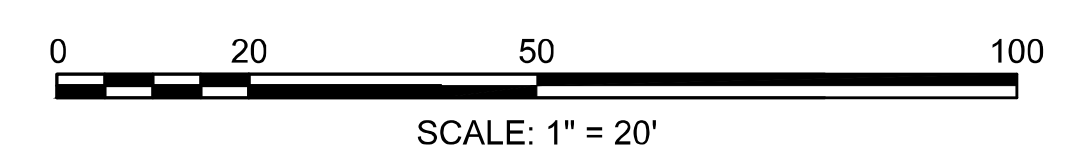
GENERAL NOTES:

1. SEE CONSTRUCTION PLANS FOR DISPOSITION OF INDIVIDUAL TREES.

THOMAS R. PICKERING, AS TO AN UNDIVIDED ONE-HALF (1/2) INTEREST AND RICHARD H. PICKERING, AS TO AN UNDIVIDED ONE-HALF (1/2) INTEREST WITH A LIFE ESTATE RESERVED IN THOMAS R. PICKERING SR.
L.C.C. NO. 16845
CERT. NO. 164998
DOC. NO. 1095996
2567 ROUTE 6
MAP/LOT 21/37

BAY SAILS MARINE, INC.
BK/PG 22090/493
2568 ROUTE 6
MAP/LOT 23/38

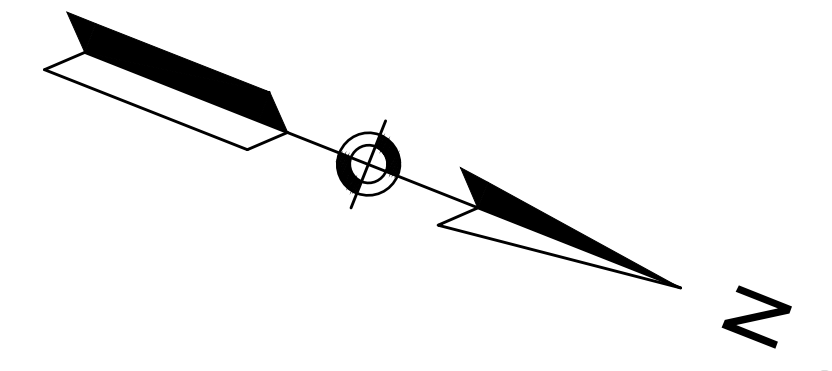
WESTERLY HOLDINGS, LLC
BK/PG 32770/234
PB/PG 526/15
2548 ROUTE 6
MAP/LOT 23/37



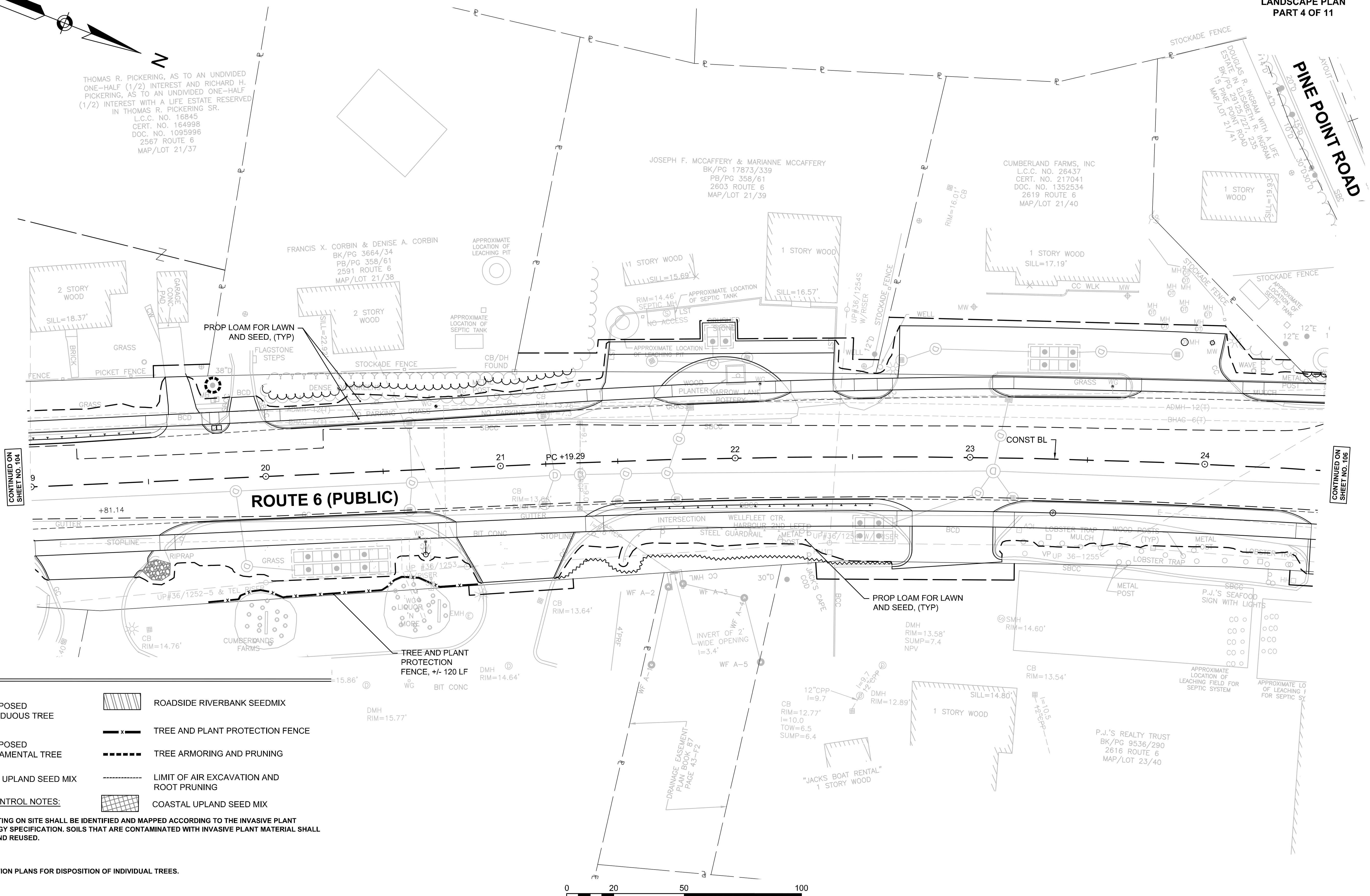
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQHS/STP/TAP-0035(052)X	105	178
PROJECT FILE NO.		607397	

**LANDSCAPE PLAN
PART 4 OF 11**



THOMAS R. PICKERING, AS TO AN UNDIVIDED ONE-HALF (1/2) INTEREST AND RICHARD H. PICKERING, AS TO AN UNDIVIDED ONE-HALF (1/2) INTEREST WITH A LIFE ESTATE RESERVED IN THOMAS R. PICKERING SR.
L.C.C. NO. 16845
CERT. NO. 164998
DOC. NO. 1095996
2567 ROUTE 6
MAP/LOT 21/37



CONTINUED ON SHEET NO. 104

CONTINUED ON SHEET NO. 106

PLANTING LEGEND

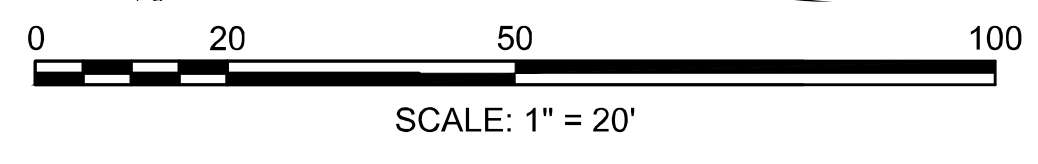
- PROPOSED DECIDUOUS TREE
- PROPOSED ORNAMENTAL TREE
- LOW UPLAND SEED MIX
- ROADSIDE RIVERBANK SEEDMIX
- TREE AND PLANT PROTECTION FENCE
- TREE ARMORING AND PRUNING
- LIMIT OF AIR EXCAVATION AND ROOT PRUNING
- COASTAL UPLAND SEED MIX

INVASIVE PLANT CONTROL NOTES:

INVASIVE PLANTS EXISTING ON SITE SHALL BE IDENTIFIED AND MAPPED ACCORDING TO THE INVASIVE PLANT MANAGEMENT STRATEGY SPECIFICATION. SOILS THAT ARE CONTAMINATED WITH INVASIVE PLANT MATERIAL SHALL NOT BE STOCKPILED AND REUSED.

GENERAL NOTES:

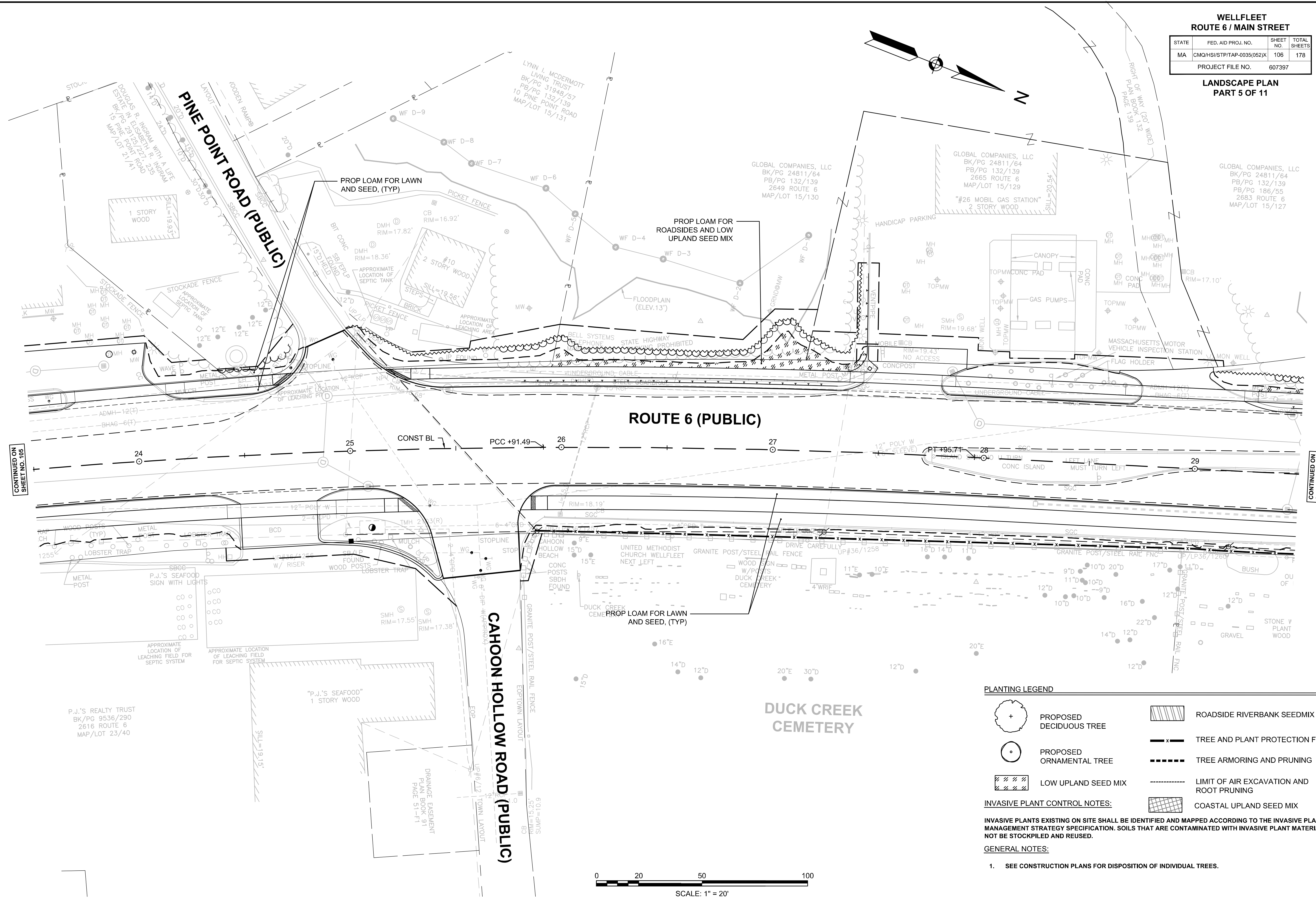
1. SEE CONSTRUCTION PLANS FOR DISPOSITION OF INDIVIDUAL TREES.



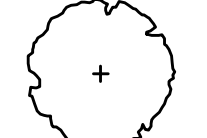
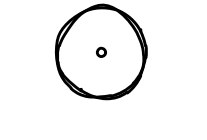
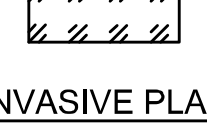
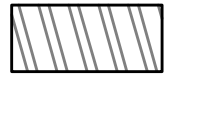


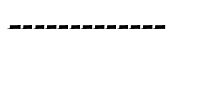

**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQHS/STP/TAP-0035(052)X	106	178
PROJECT FILE NO.		607397	

**LANDSCAPE PLAN
PART 5 OF 11**



PLANTING LEGEND

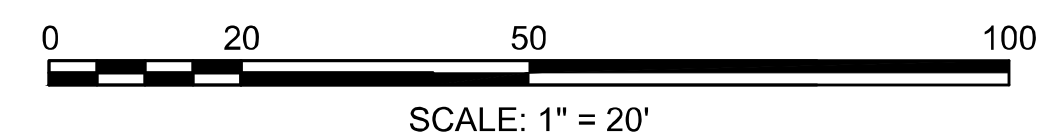
-  PROPOSED DECIDUOUS TREE
-  PROPOSED ORNAMENTAL TREE
-  LOW UPLAND SEED MIX
-  ROADSIDE RIVERBANK SEED MIX
-  TREE AND PLANT PROTECTION FENCE
-  TREE ARMORING AND PRUNING
-  LIMIT OF AIR EXCAVATION AND ROOT PRUNING
-  COASTAL UPLAND SEED MIX

INVASIVE PLANT CONTROL NOTES:

INVASIVE PLANTS EXISTING ON SITE SHALL BE IDENTIFIED AND MAPPED ACCORDING TO THE INVASIVE PLANT MANAGEMENT STRATEGY SPECIFICATION. SOILS THAT ARE CONTAMINATED WITH INVASIVE PLANT MATERIAL SHALL NOT BE STOCKPILED AND REUSED.

GENERAL NOTES:

1. SEE CONSTRUCTION PLANS FOR DISPOSITION OF INDIVIDUAL TREES.



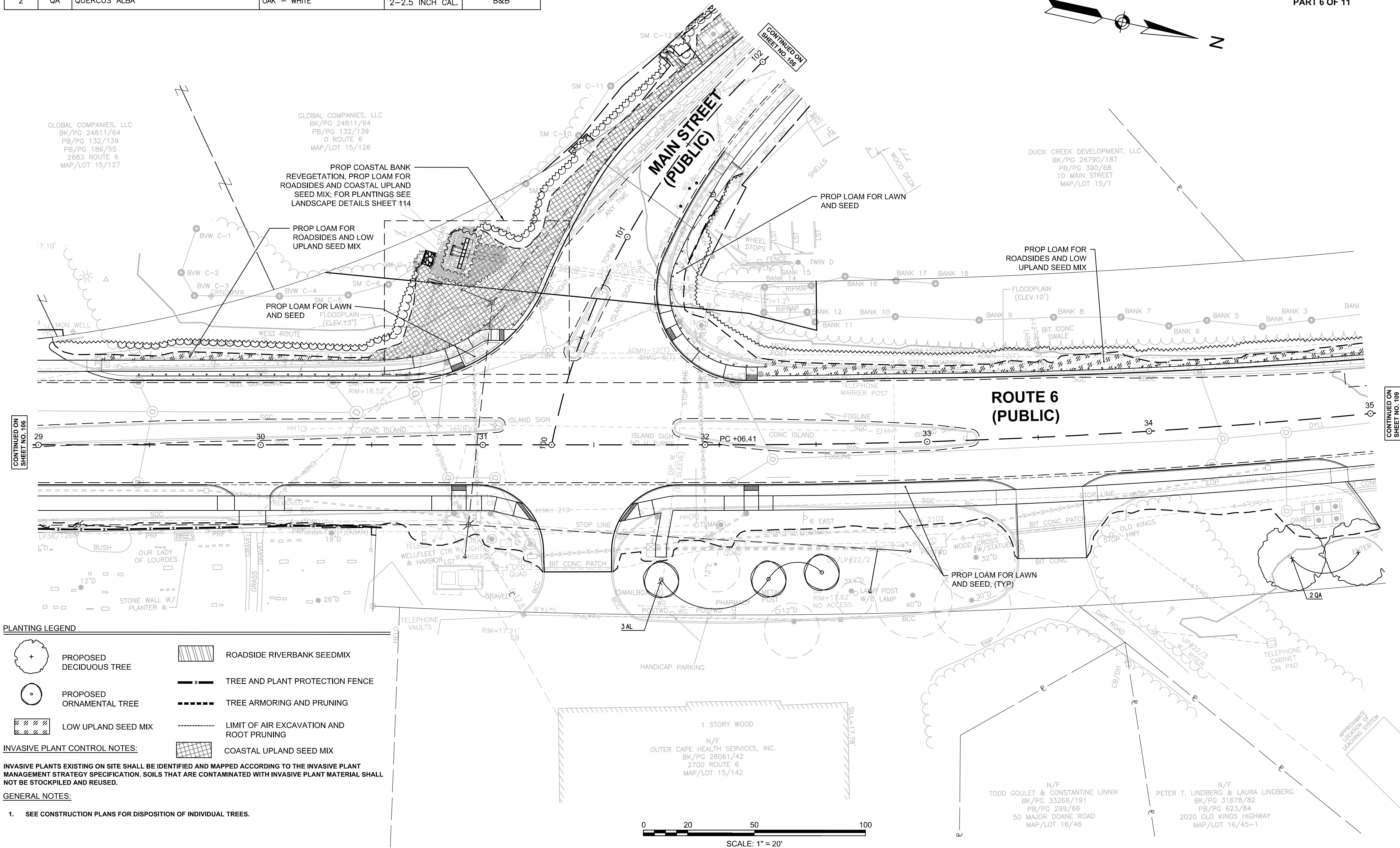
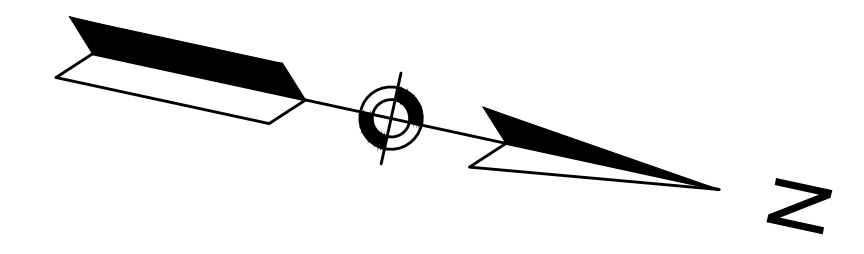
CONTINUED ON SHEET NO. 105

CONTINUED ON SHEET NO. 107

PLANT SCHEDULE					
QTY.	ID	BOTANICAL NAME	COMMON NAME	SIZE	COMMENT
DECIDUOUS TREES					
3	AL	AMELANCHIER LAEVIS	SHAD TREE - ALLEGHENY	CLUMP 8-10 FEET	B&B
2	QA	QUERCUS ALBA	OAK - WHITE	2-2.5 INCH CAL.	B&B

WELLFLEET ROUTE 6 / MAIN STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	107	178
PROJECT FILE NO.		607397	

**LANDSCAPE PLAN
PART 6 OF 11**



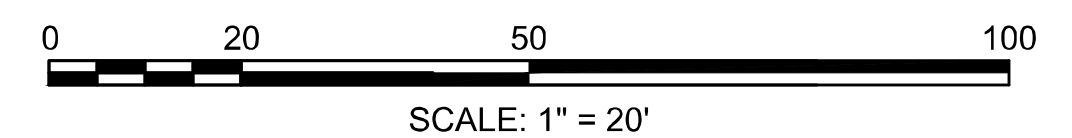
PLANTING LEGEND

	PROPOSED DECIDUOUS TREE		ROADSIDE RIVERBANK SEEDMIX
	PROPOSED ORNAMENTAL TREE		TREE AND PLANT PROTECTION FENCE
	LOW UPLAND SEED MIX		TREE ARMORING AND PRUNING
	INVASIVE PLANT CONTROL NOTES:		LIMIT OF AIR EXCAVATION AND ROOT PRUNING
	COASTAL UPLAND SEED MIX		

INVASIVE PLANTS EXISTING ON SITE SHALL BE IDENTIFIED AND MAPPED ACCORDING TO THE INVASIVE PLANT MANAGEMENT STRATEGY SPECIFICATION. SOILS THAT ARE CONTAMINATED WITH INVASIVE PLANT MATERIAL SHALL NOT BE STOCKPILED AND REUSED.

GENERAL NOTES:

- SEE CONSTRUCTION PLANS FOR DISPOSITION OF INDIVIDUAL TREES.



CONTINUED ON SHEET NO. 108

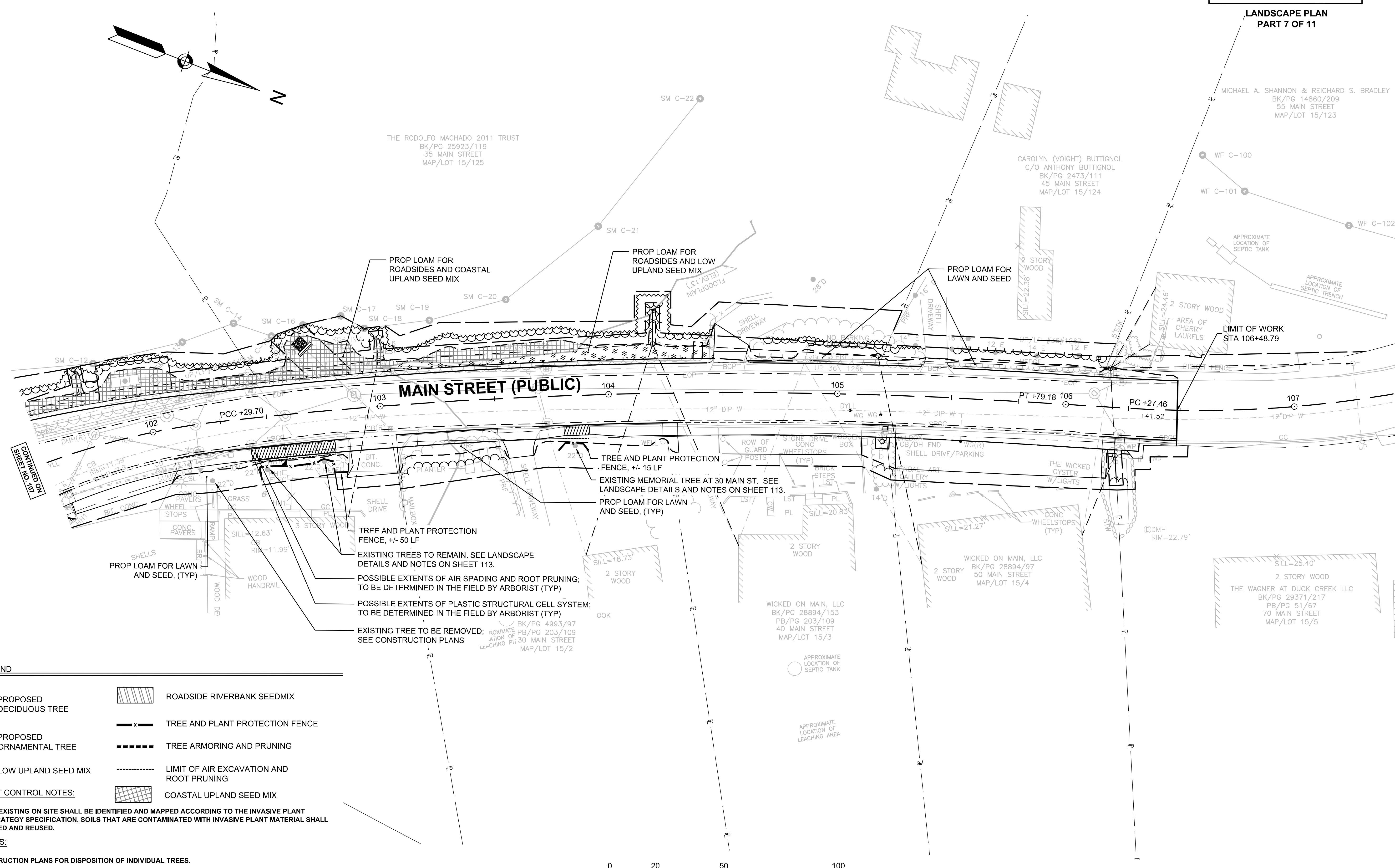
CONTINUED ON SHEET NO. 109

CONTINUED ON SHEET NO. 108

**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	108	178
PROJECT FILE NO.		607397	

**LANDSCAPE PLAN
PART 7 OF 11**



PLANTING LEGEND

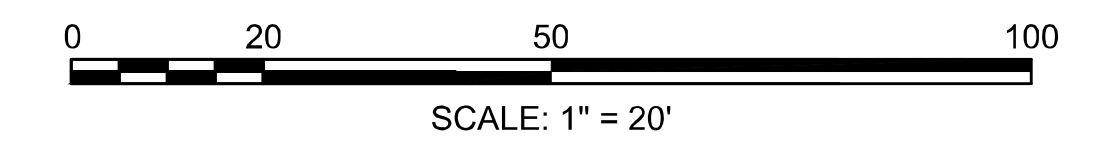
- PROPOSED DECIDUOUS TREE
- PROPOSED ORNAMENTAL TREE
- LOW UPLAND SEED MIX
- ROADSIDE RIVERBANK SEEDMIX
- TREE AND PLANT PROTECTION FENCE
- TREE ARMORING AND PRUNING
- LIMIT OF AIR EXCAVATION AND ROOT PRUNING
- COASTAL UPLAND SEED MIX

INVASIVE PLANT CONTROL NOTES:

INVASIVE PLANTS EXISTING ON SITE SHALL BE IDENTIFIED AND MAPPED ACCORDING TO THE INVASIVE PLANT MANAGEMENT STRATEGY SPECIFICATION. SOILS THAT ARE CONTAMINATED WITH INVASIVE PLANT MATERIAL SHALL NOT BE STOCKPILED AND REUSED.

GENERAL NOTES:

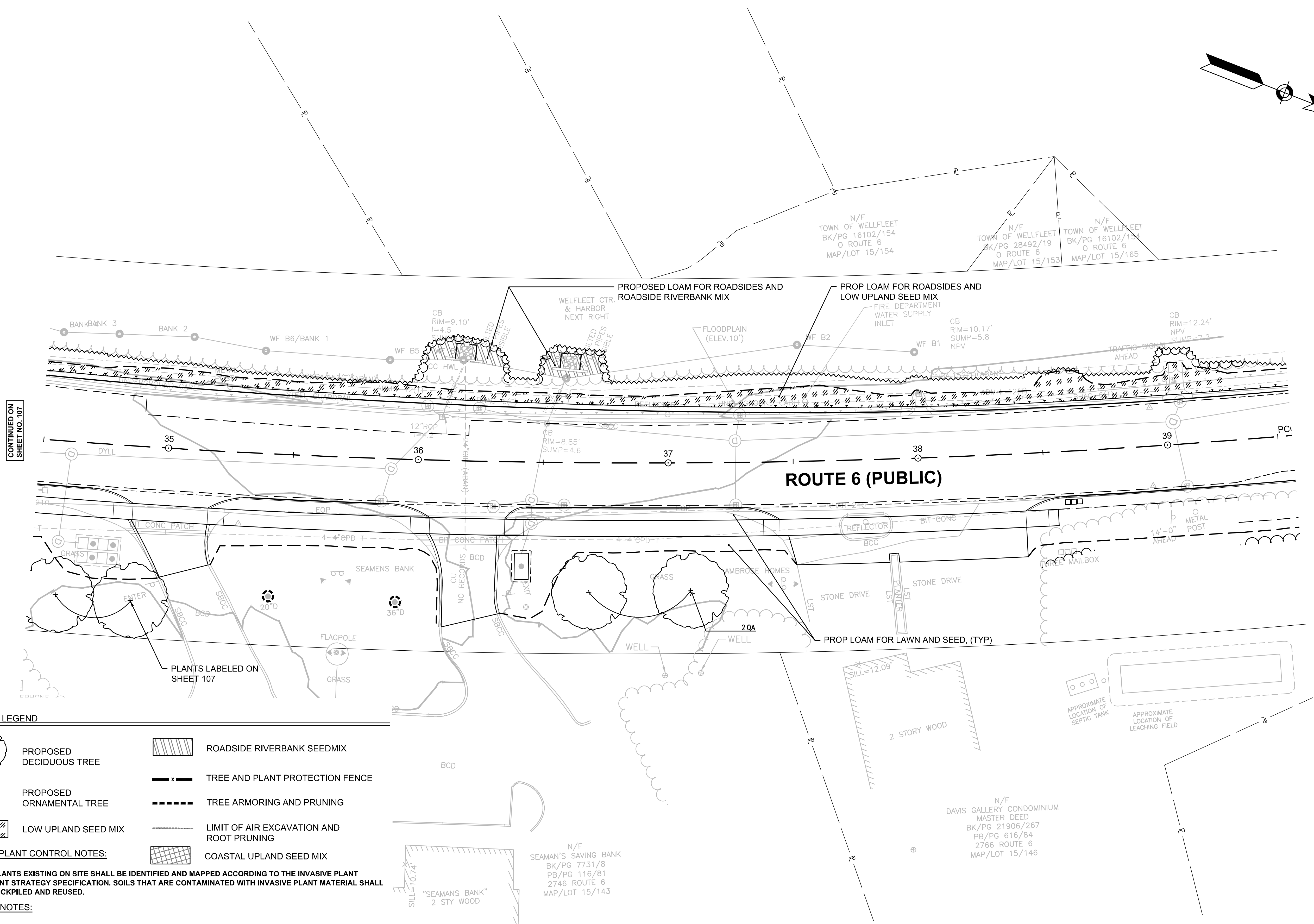
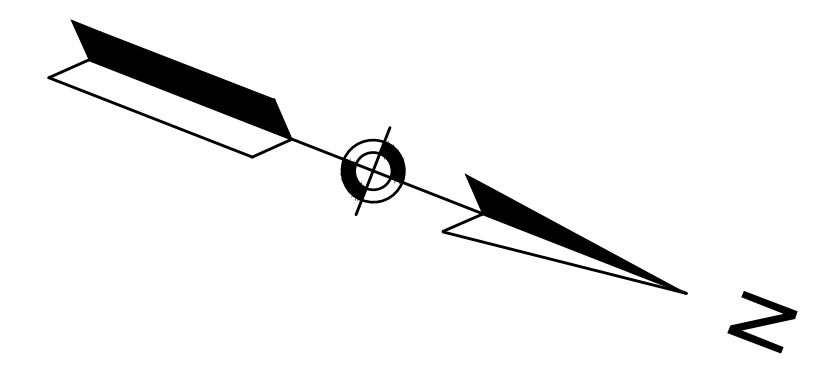
- SEE CONSTRUCTION PLANS FOR DISPOSITION OF INDIVIDUAL TREES.



PLANT SCHEDULE					
QTY.	ID	BOTANICAL NAME	COMMON NAME	SIZE	COMMENT
DECIDUOUS TREES					
2	QA	QUERCUS ALBA	OAK - WHITE	2-2.5 INCH CAL.	B&B

WELLFLEET ROUTE 6 / MAIN STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQHS/STP/TAP-0035(062)X	109	178
PROJECT FILE NO.		607397	

**LANDSCAPE PLAN
PART 8 OF 11**



CONTINUED ON
SHEET NO. 107

CONTINUED ON
SHEET NO. 110

PLANTING LEGEND

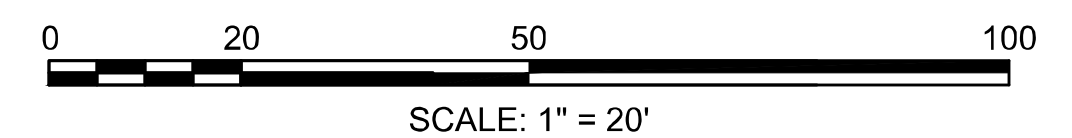
- PROPOSED DECIDUOUS TREE
- PROPOSED ORNAMENTAL TREE
- LOW UPLAND SEED MIX
- ROADSIDE RIVERBANK SEEDMIX
- TREE AND PLANT PROTECTION FENCE
- TREE ARMORING AND PRUNING
- LIMIT OF AIR EXCAVATION AND ROOT PRUNING
- COASTAL UPLAND SEED MIX

INVASIVE PLANT CONTROL NOTES:

INVASIVE PLANTS EXISTING ON SITE SHALL BE IDENTIFIED AND MAPPED ACCORDING TO THE INVASIVE PLANT MANAGEMENT STRATEGY SPECIFICATION. SOILS THAT ARE CONTAMINATED WITH INVASIVE PLANT MATERIAL SHALL NOT BE STOCKPILED AND REUSED.

GENERAL NOTES:

- SEE CONSTRUCTION PLANS FOR DISPOSITION OF INDIVIDUAL TREES.


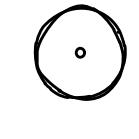
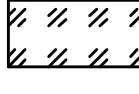
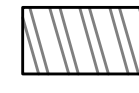


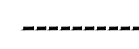
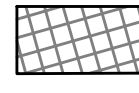


**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSIST/P/TAP-0035(052)X	110	178
PROJECT FILE NO. 607397			

**LANDSCAPE PLAN
PART 9 OF 11**

PLANTING LEGEND

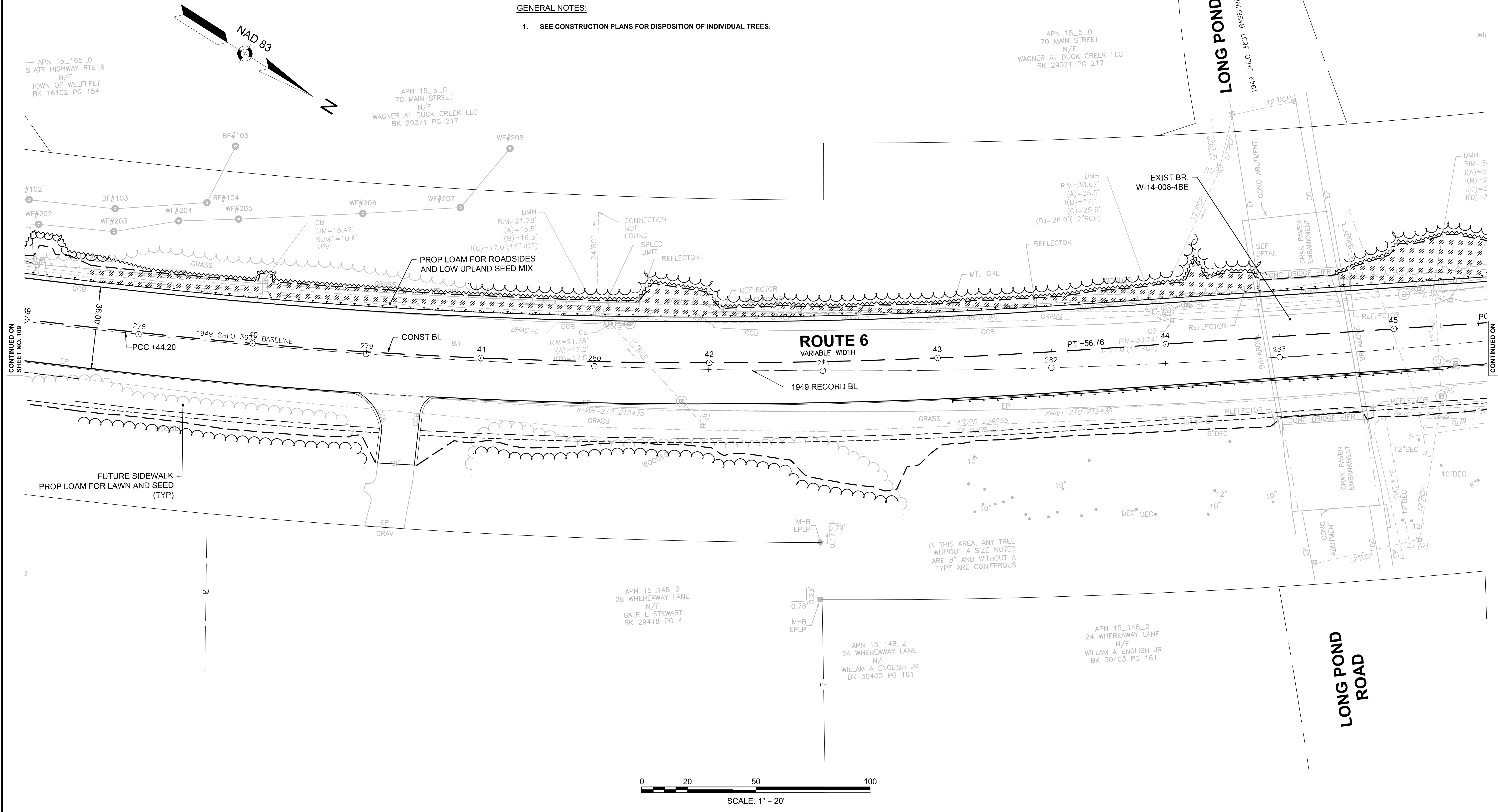
-  PROPOSED DECIDUOUS TREE
-  PROPOSED ORNAMENTAL TREE
-  LOW UPLAND SEED MIX
-  ROADSIDE RIVERBANK SEED MIX
-  TREE AND PLANT PROTECTION FENCE
-  TREE ARMORING AND PRUNING
-  LIMIT OF AIR EXCAVATION AND ROOT PRUNING
-  COASTAL UPLAND SEED MIX

INVASIVE PLANT CONTROL NOTES:

INVASIVE PLANTS EXISTING ON SITE SHALL BE IDENTIFIED AND MAPPED ACCORDING TO THE INVASIVE PLANT MANAGEMENT STRATEGY SPECIFICATION. SOILS THAT ARE CONTAMINATED WITH INVASIVE PLANT MATERIAL SHALL NOT BE STOCKPILED AND REUSED.

GENERAL NOTES:

- SEE CONSTRUCTION PLANS FOR DISPOSITION OF INDIVIDUAL TREES.



CONTINUED ON
SHEET NO. 109

CONTINUED ON
SHEET NO. 111

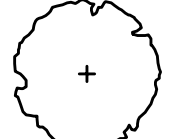
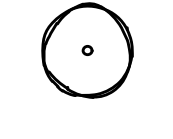
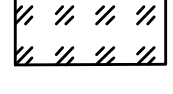
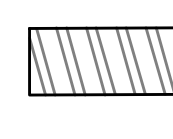
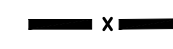

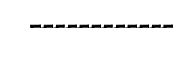
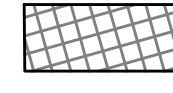
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(062)X	111	178
PROJECT FILE NO.		607397	

**LANDSCAPE PLAN
PART 10 OF 11**

APN 13_81_0
15 SCHOOL STREET
N/F
T EMANUEL HEYLIGER
BK 19712 PG 68

PLANTING LEGEND

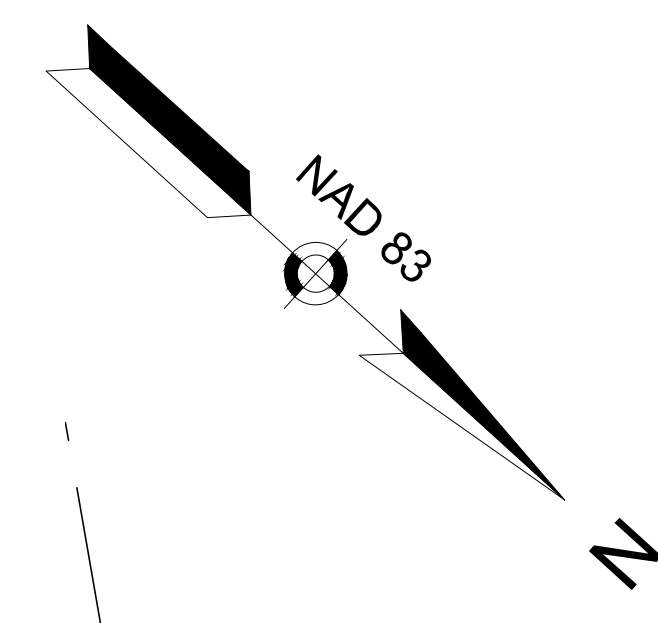
-  PROPOSED DECIDUOUS TREE
-  PROPOSED ORNAMENTAL TREE
-  LOW UPLAND SEED MIX
-  ROADSIDE RIVERBANK SEED MIX
-  TREE AND PLANT PROTECTION FENCE
-  TREE ARMORING AND PRUNING
-  LIMIT OF AIR EXCAVATION AND ROOT PRUNING
-  COASTAL UPLAND SEED MIX

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GENERAL NOTES:

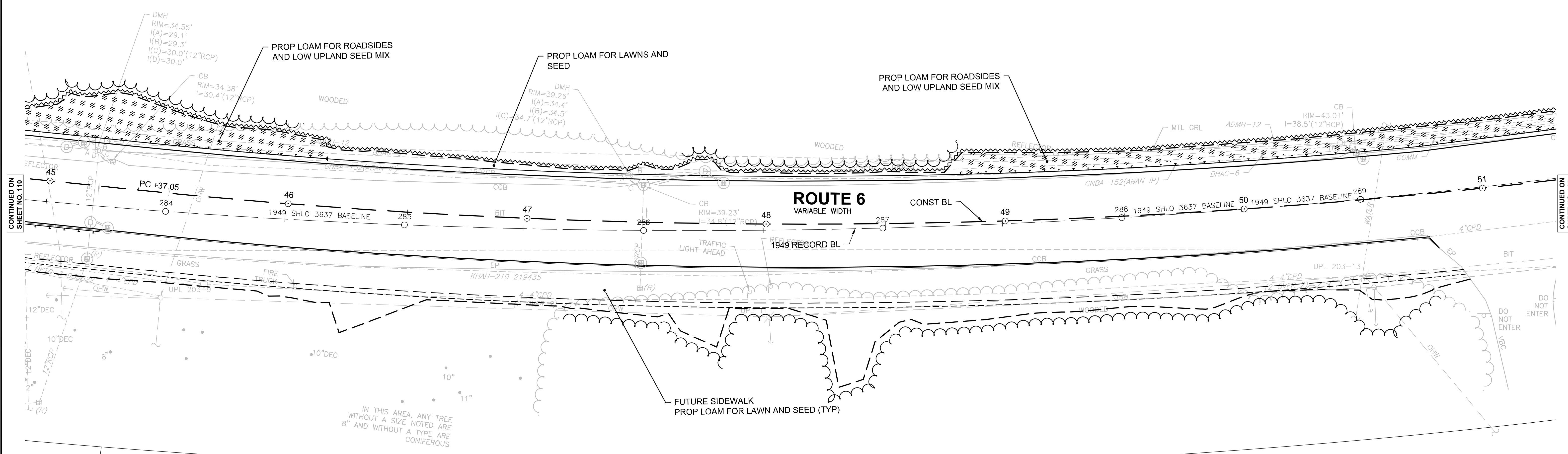
- SEE CONSTRUCTION PLANS FOR DISPOSITION OF INDIVIDUAL TREES.



APN 15_9_0
65 LONG POND ROAD
N/F
WILLIAM & HELEN MARIE RONALD
BK 1521 PG 65

APN 15_158_0
ROUTE 6
N/F
TOWN OF WELLFLEET
BK 538 PG 1

APN 13_81_0
15 SCHOOL STREET
N/F
T EMANUEL HEYLIGER
BK 19712 PG 68



CONTINUED ON
SHEET NO. 110

CONTINUED ON
SHEET NO. 112

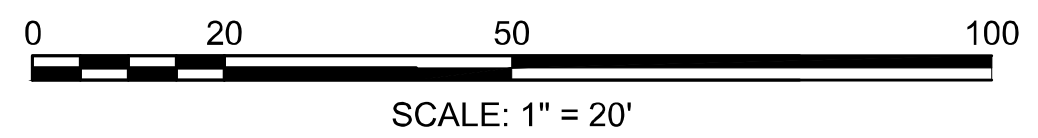
IN THIS AREA, ANY TREE
WITHOUT A SIZE NOTED ARE
8" AND WITHOUT A TYPE ARE
CONIFEROUS

APN 13_2_0
100 LAWRENCE ROAD
N/F
TOWN OF WELLFLEET

APN 13_2_0
100 LAWRENCE ROAD
N/F
TOWN OF WELLFLEET

APN 13_2_0
100 LAWRENCE ROAD
N/F
TOWN OF WELLFLEET

APN 13_3_0
10 LAWRENCE ROAD
N/F
TOWN OF WELLFLEET
BK 21194 PG 12


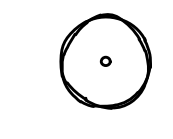
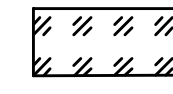
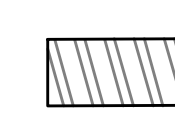
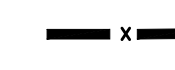

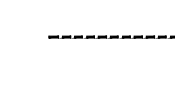



**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/ST/PT/AP-0035(052)X	112	178
PROJECT FILE NO.		607397	

**LANDSCAPE PLAN
PART 11 OF 11**

PLANTING LEGEND

-  PROPOSED DECIDUOUS TREE
-  PROPOSED ORNAMENTAL TREE
-  LOW UPLAND SEED MIX
-  ROADSIDE RIVERBANK SEED MIX
-  TREE AND PLANT PROTECTION FENCE
-  TREE ARMORING AND PRUNING
-  LIMIT OF AIR EXCAVATION AND ROOT PRUNING
-  COASTAL UPLAND SEED MIX

INVASIVE PLANT CONTROL NOTES:

INVASIVE PLANTS EXISTING ON SITE SHALL BE IDENTIFIED AND MAPPED ACCORDING TO THE INVASIVE PLANT MANAGEMENT STRATEGY SPECIFICATION. SOILS THAT ARE CONTAMINATED WITH INVASIVE PLANT MATERIAL SHALL NOT BE STOCKPILED AND REUSED.

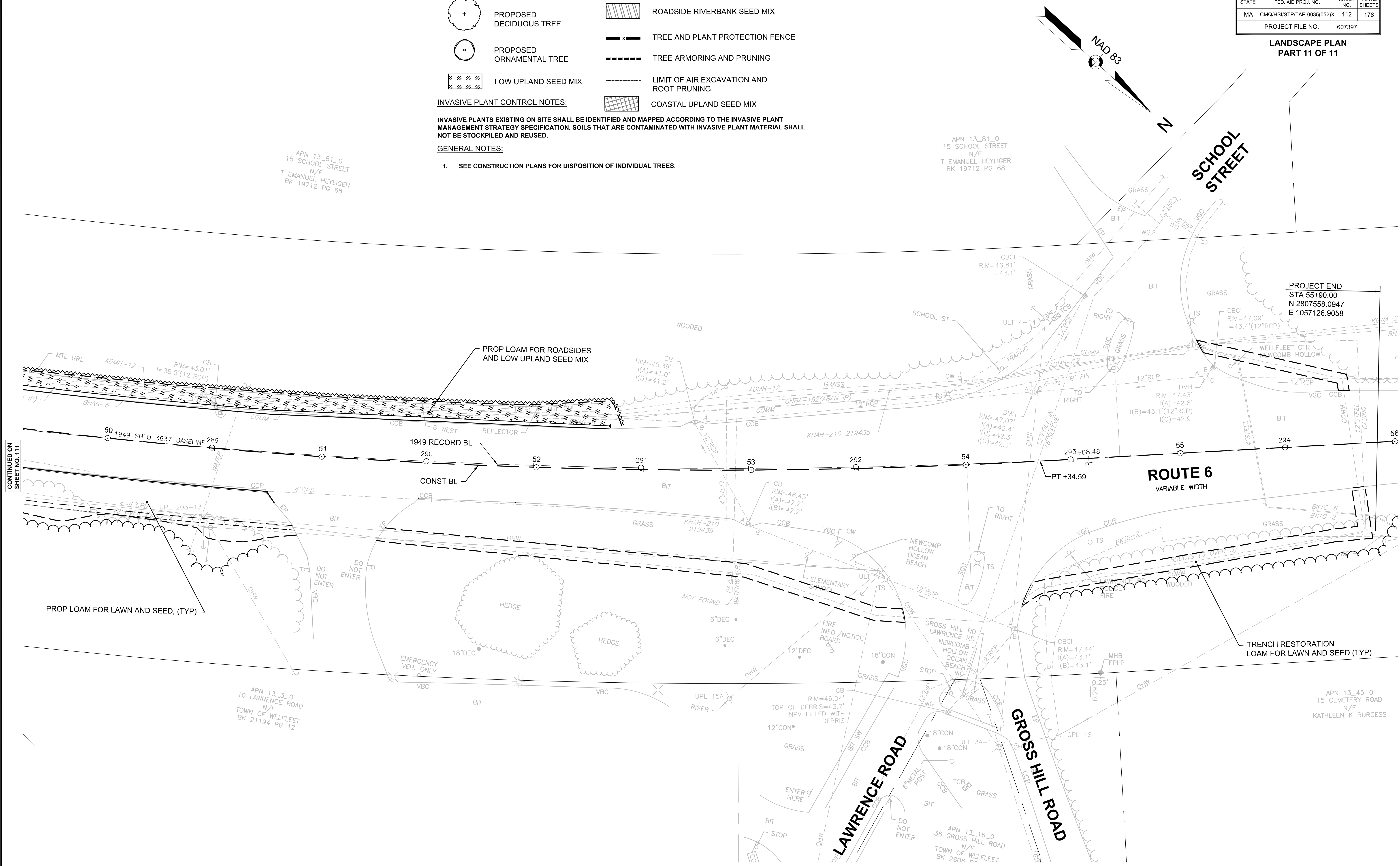
GENERAL NOTES:

- SEE CONSTRUCTION PLANS FOR DISPOSITION OF INDIVIDUAL TREES.

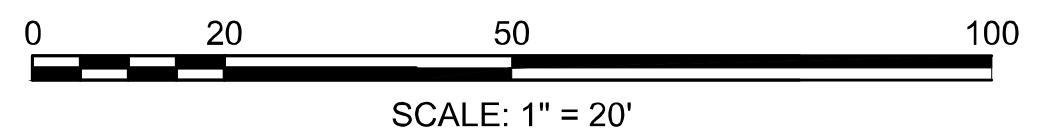
APN 13_81_0
15 SCHOOL STREET
N/F
T EMANUEL HEYLIGER
BK 19712 PG 68

APN 13_81_0
15 SCHOOL STREET
N/F
T EMANUEL HEYLIGER
BK 19712 PG 68

PROJECT END
STA 55+90.00
N 2807558.0947
E 1057126.9058



CONTINUED ON
SHEET NO. 111



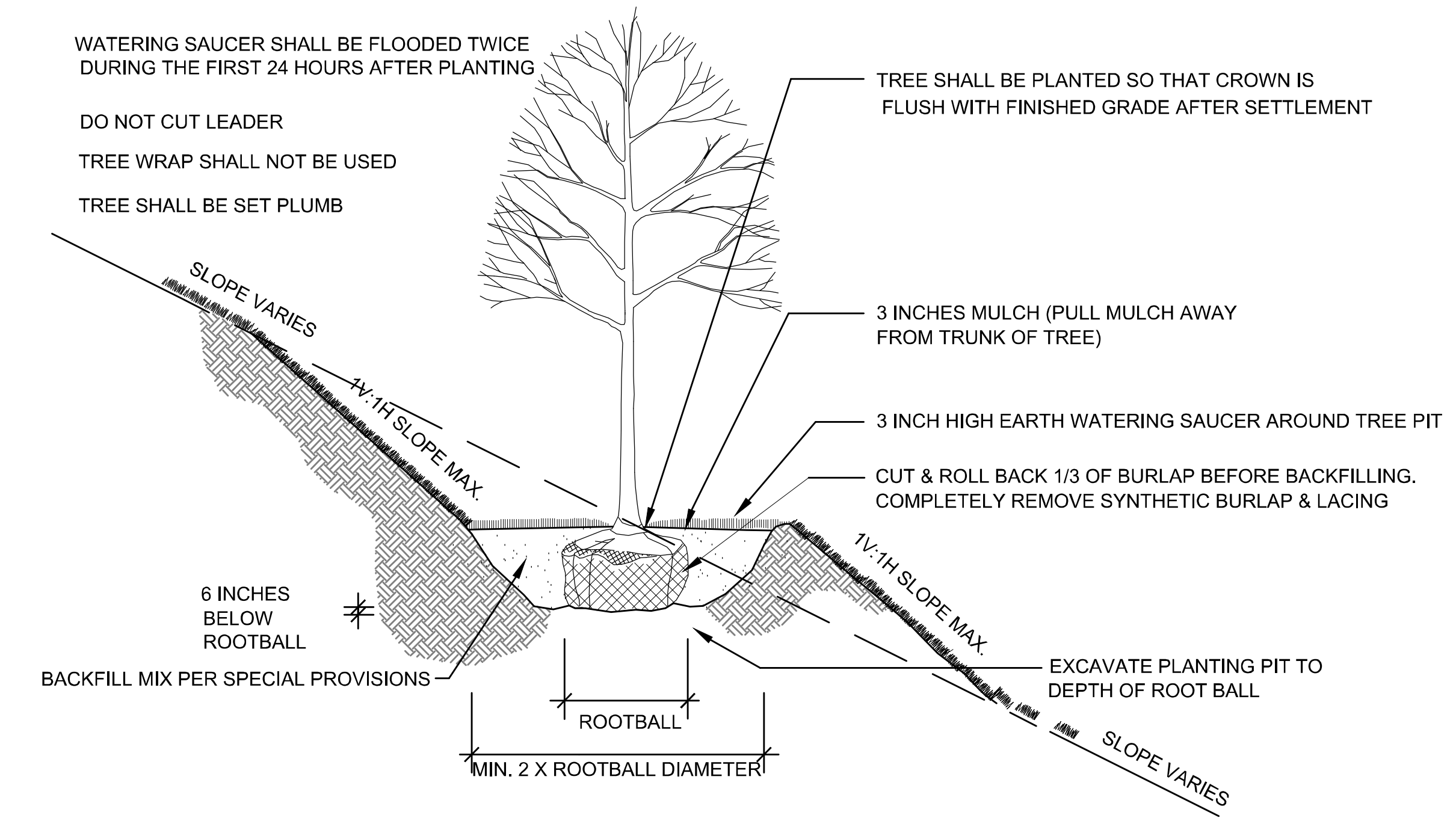
MASTER PLANT SCHEDULE

TOTAL QTY.	ID	BOTANICAL NAME	COMMON NAME	SIZE	COMMENT	SHEET 103	SHEET 107	SHEET 109
		DECIDUOUS TREES						
3	AL	AMELANCHIER LAEVIS	SHAD TREE -- ALLEGHENY	CLUMP 7-8 FEET	B&B	-	3	-
4	QA	QUERCUS ALBA	OAK -- WHITE	2-2.5 INCH CAL.	B&B	-	2	2
2	NS	NYSSA SYLVATICA	TUPELO	2-2.5 INCH CAL.	B&B	2	-	-

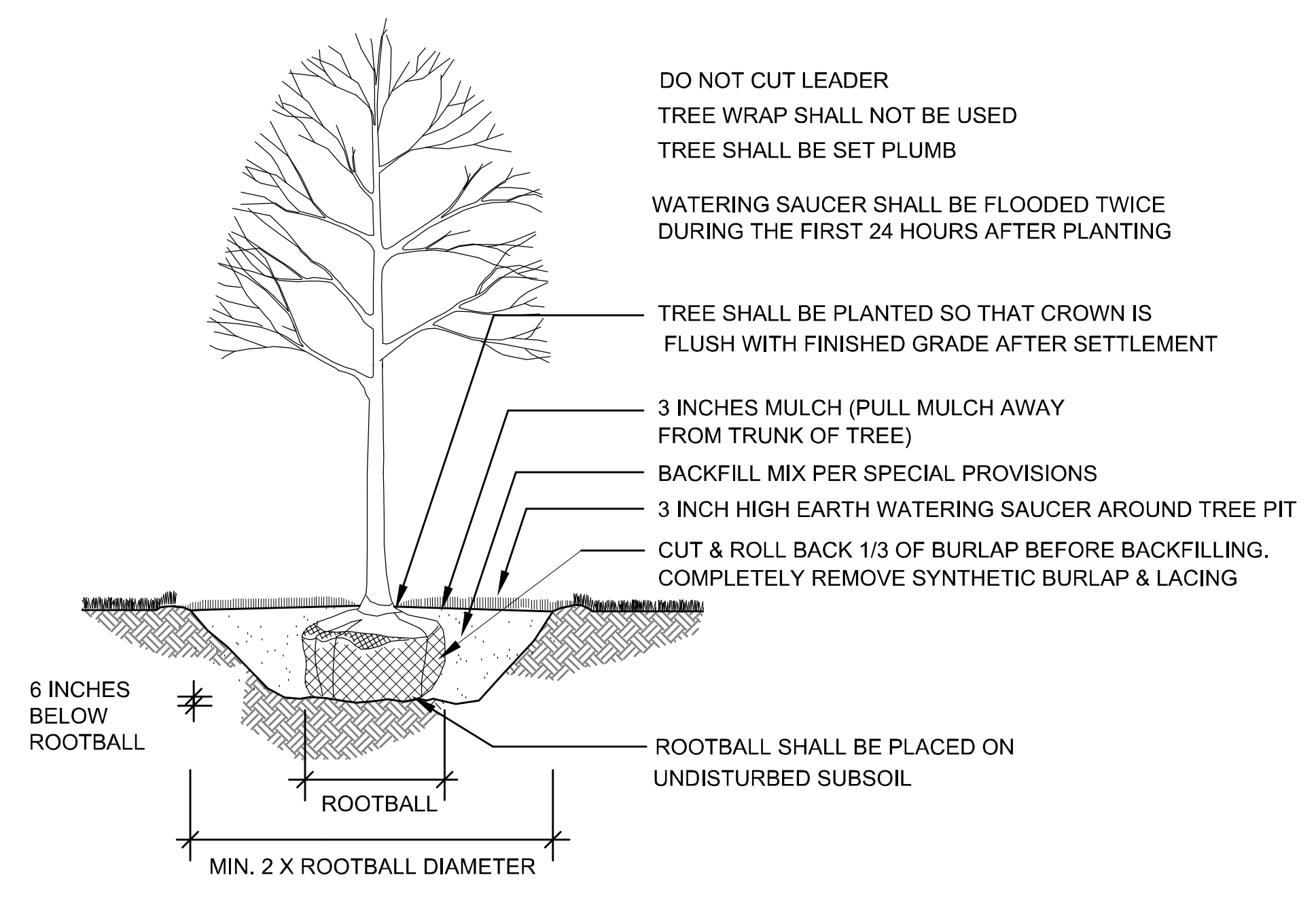
WELLFLEET ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQHS/STP/TAP-0035(052)X	113	178
PROJECT FILE NO.		607397	

LANDSCAPE DETAILS PART 1 OF 2



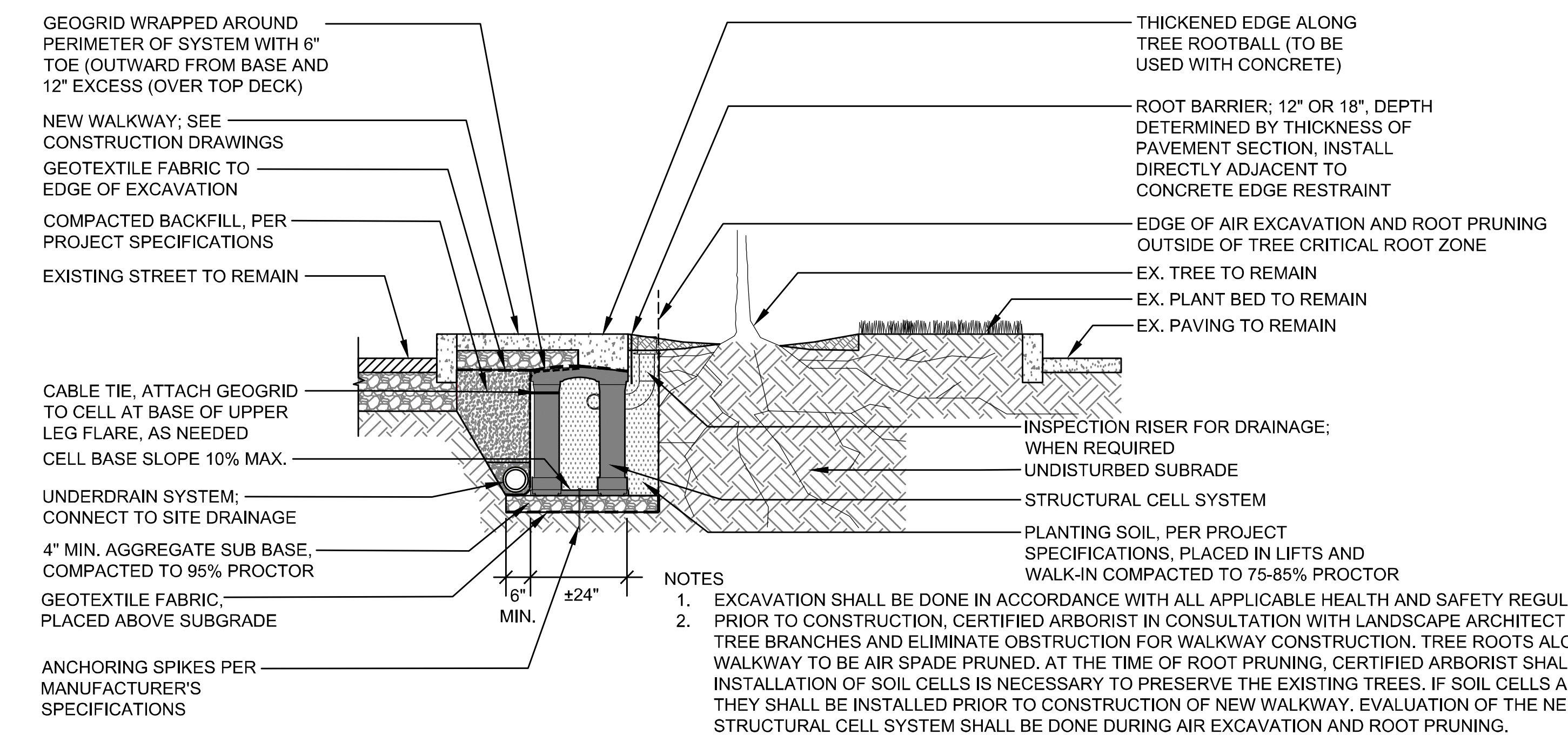
1 DECIDUOUS TREE PLANTING (SLOPE)
NOT TO SCALE



2 DECIDUOUS TREE PLANTING
NOT TO SCALE

PLANTING NOTES

1. THE SURVEY BASE PLAN WAS PREPARED BY SURVEYING AND MAPPING CONSULTANTS, INC. (A DAWOOD COMPANY) IN FEBRUARY, 2015. ADDITIONAL SURVEY WAS OBTAINED FOR THE SOUTHERLY PROJECT EXTENSION TO SOUTH OF WAY 68 FROM SMC IN JUNE, 2018.
2. THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ARE BASED ON THE SURVEY REFERENCED ABOVE. THE CONTRACTOR SHALL CONTACT DIGSAFE AND THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANIES TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
3. CONTRACTOR SHALL VERIFY ALL TREE REMOVALS WITH OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION START.
4. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDING FOUNDATIONS, STRUCTURES, AND PLANTING BEDS.
5. MAXIMUM SLOPE WITHIN DISTURBED AREAS SHALL NOT EXCEED 3:1, UNLESS OTHERWISE NOTED.
6. ALL WOODY PLANTS SHALL BE PLANTED WITH ROOT FLARE EXPOSED AND ANY GIRDLING ROOTS MUST BE PRUNED AT TIME OF PLANTING.
7. ALL PLANT MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT, AT THE NURSERY, AND AT THE SITE.
8. ALL PROPOSED TREE, SHRUB, AND OTHER PLANTING LOCATIONS AS WELL AS BED LINES TO BE STAKED IN THE FIELD FOR LAYOUT VERIFICATION AND ADJUSTMENT BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
9. EXISTING SPECIMEN SHADE AND ORNAMENTAL TREES TO REMAIN AND BE PROTECTED SHALL BE SELECTIVELY PRUNED BY AN ARBORIST WHERE SHOWN ON THE PLAN - REFER TO SHEET 108.
10. UNLESS OTHERWISE NOTED, ALL FENCES SHALL REMAIN UNDISTURBED BY THE CONSTRUCTION. IF FENCE IS DAMAGED FROM CONSTRUCTION ACTIVITIES, REPAIRS SHALL BE MADE AT CONTRACTOR'S EXPENSE.
11. EXISTING HIGH PRIORITY TREES LOCATED AT 10 AND 30 MAIN STREET SHALL BE RETAINED IN PLACE AND PROTECTED AS DESCRIBED ON PLANS. EXCAVATION OF THE ROOTS IN THE CRITICAL ROOT ZONE SHOULD BE DONE BY HAND TOOLS OR USE OF A SUPERSONIC AIR DEVICE, SUCH AS AN AIRSPADE, TO EXPOSE THE ROOTS. THIS WORK SHALL BE PAID FOR UNDER ITEM 102.513 AIR EXCAVATION AND ROOT PRUNING.



3 PLASTIC STRUCTURAL CELL SYSTEM - 10 AND 30 MAIN STREET
NOT TO SCALE

COASTAL REVEGETATION AREA PLANT SCHEDULE

TOTAL QTY.	ID	BOTANICAL NAME	COMMON NAME	SIZE	COMMENT
		DECIDUOUS TREES			
8	MP	MYRICA PENNSYLVANICA	BAYBERRY SHRUB - NORTHERN	2-3 FEET	
10	PM	PRUNUS MARITIMA	BEACH PLUM SHRUB	2-3 FEET	
14	RV	ROSA VIRGINIANA	ROSE - VIRGINIA	18-24 INCH	

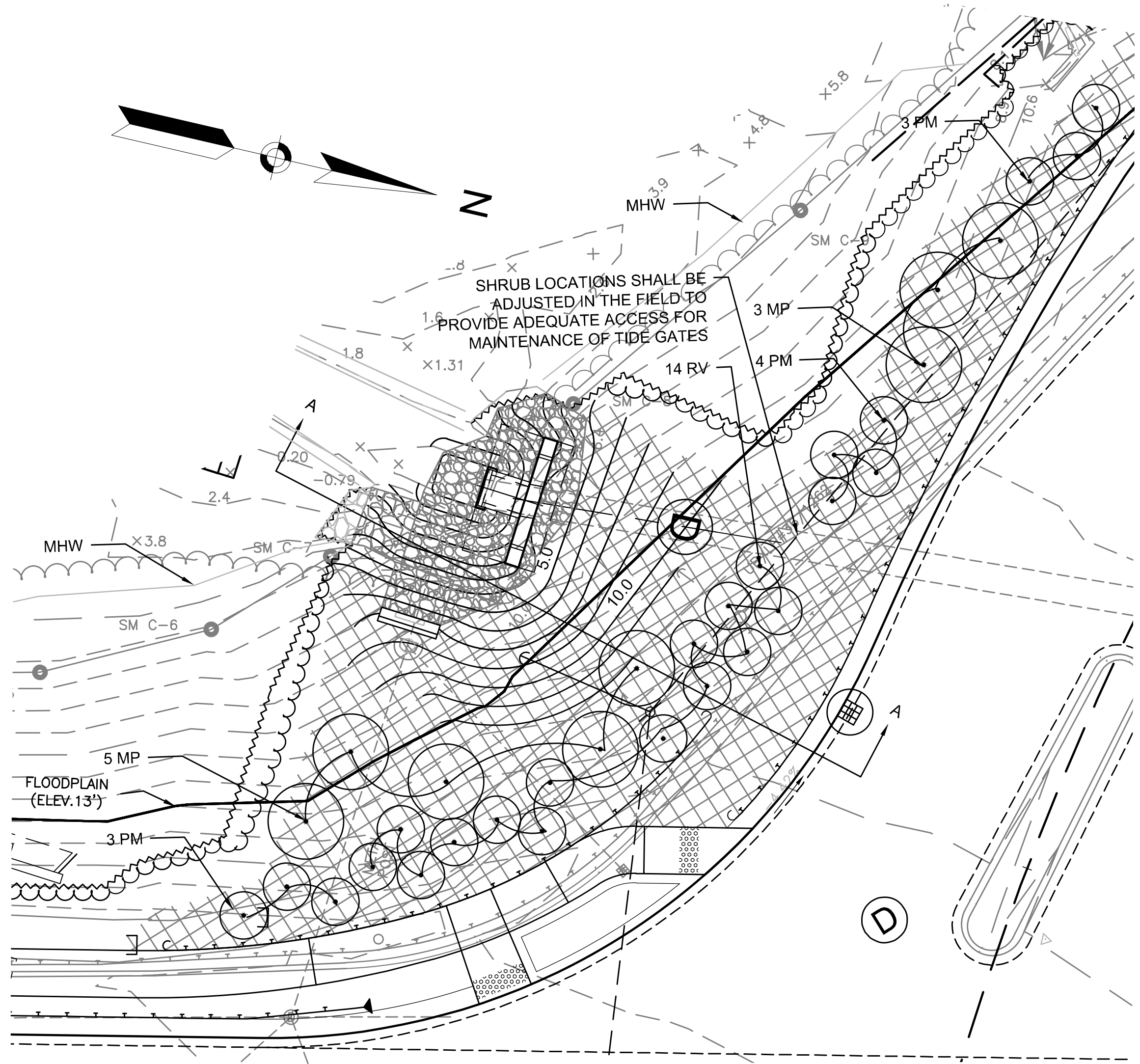
COASTAL BANK REVEGETATION AREA NOTES

- AREAS OF COASTAL BANK ASSOCIATED WITH THE PROPOSED CONSTRUCTION (E.G. FOR NEW HEADWALL, TIDE GATE INSTALLATION, AND OUTLET CLEANING), WILL BE REVEGETATED AS LISTED BELOW.
- THE COASTAL BANK REVEGETATION AREA SHALL BE INSTALLED BY PLANTING AND SEEDING AS SHOWN ON PLANS AND DESCRIBED IN MASSDOT SPECIFICATIONS. USE OF NATIVE SOIL IS RECOMMENDED FOR NATIVE PLANT AND SEEDING AREAS TO MINIMIZE WEED COMPETITION. EXTREME CARE SHALL BE TAKEN TO PREVENT INTRODUCTION OF WEED SEED OR INVASIVE PLANTS IN THE AREA OF WORK.

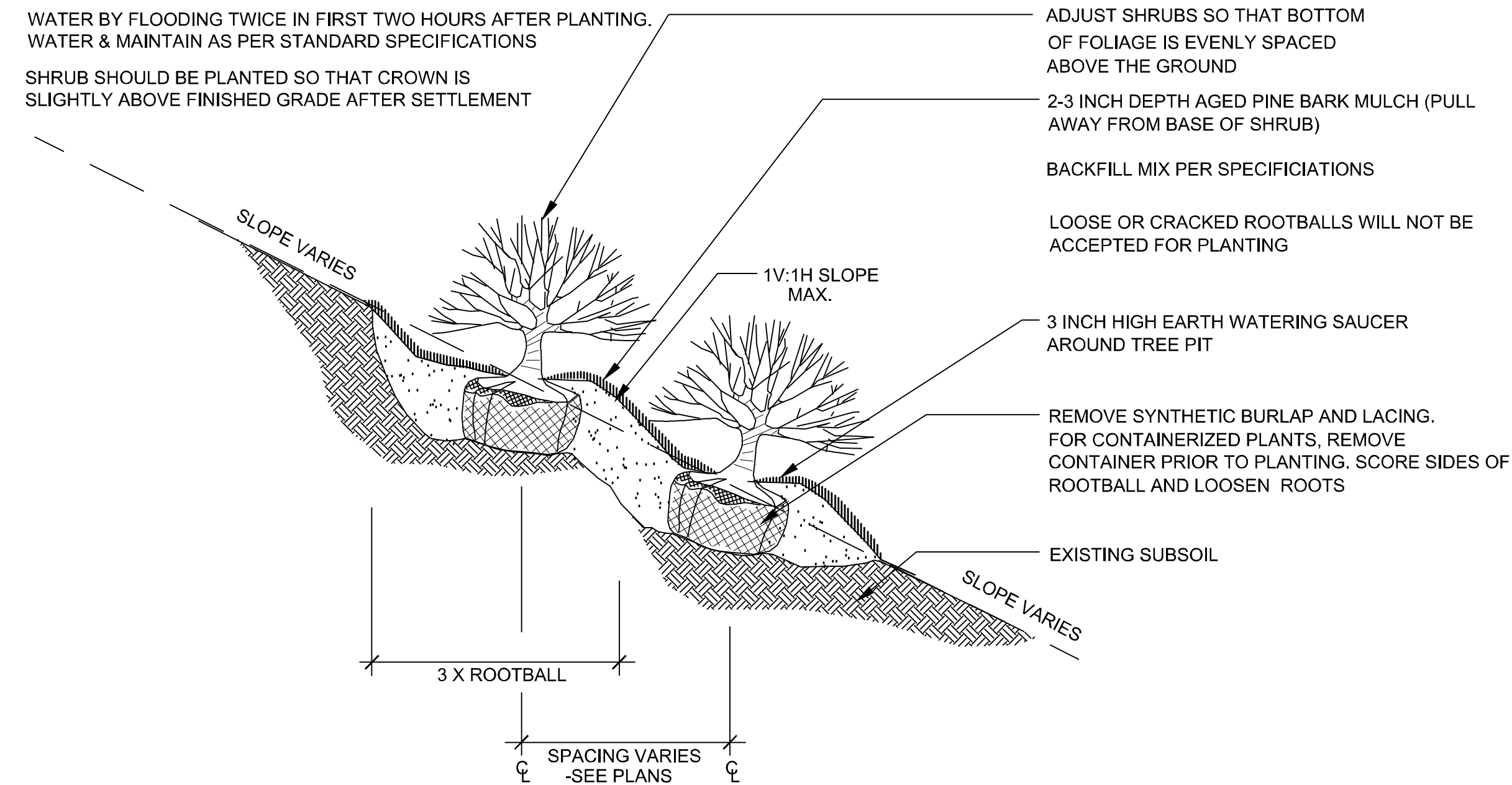
WELLFLEET ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/ST/P/TAP-0035(062)X	114	178
PROJECT FILE NO.		607397	

LANDSCAPE DETAILS PART 2 OF 2

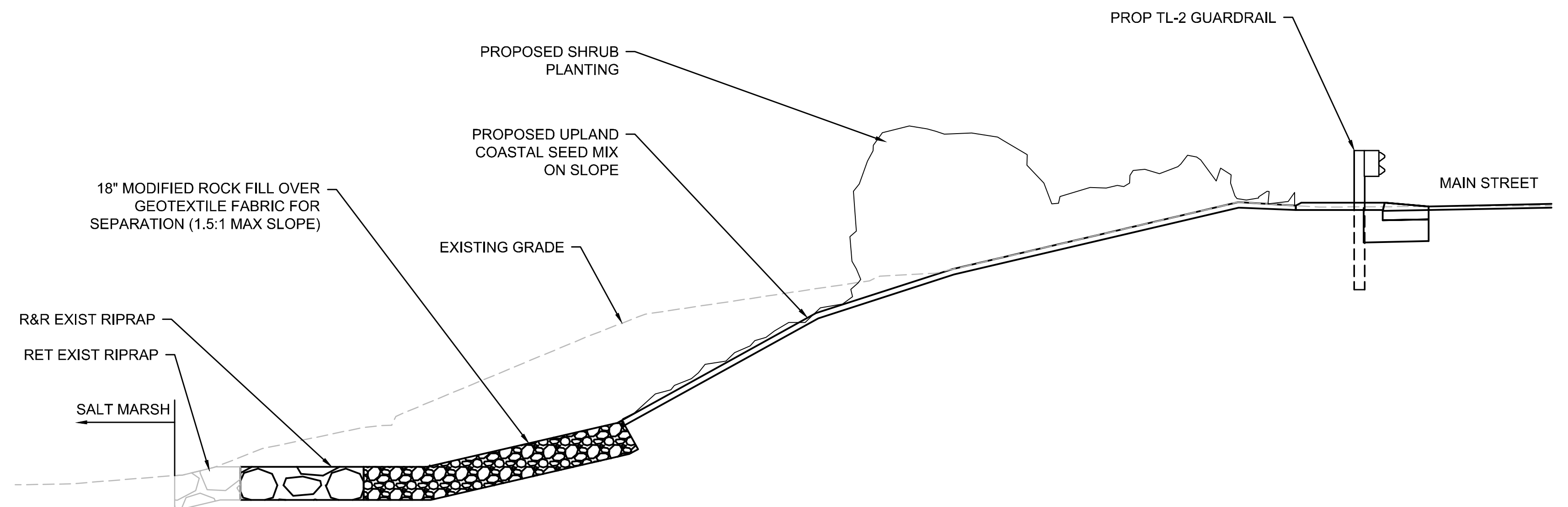


COASTAL BANK REVEGETATION AT HEADWALL NO. 1
ENLARGEMENT PLAN, MAIN ST STA 100+12 TO 101+25



CONTAINERIZED SHRUB PLANTING (SLOPE) DETAIL

NOT TO SCALE

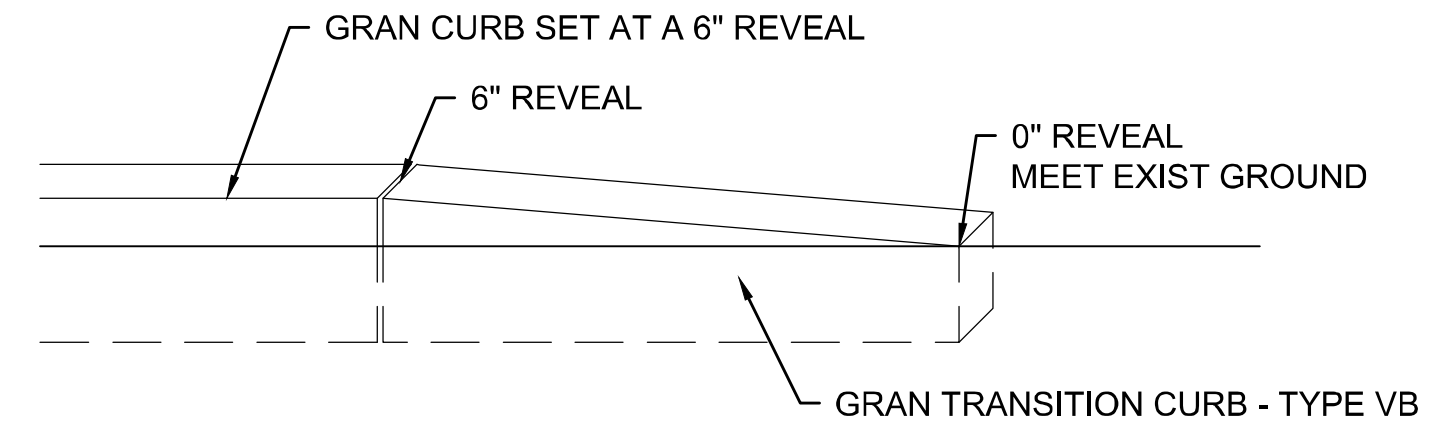


COASTAL BANK REVEGETATION SECTION A-A
NOT TO SCALE

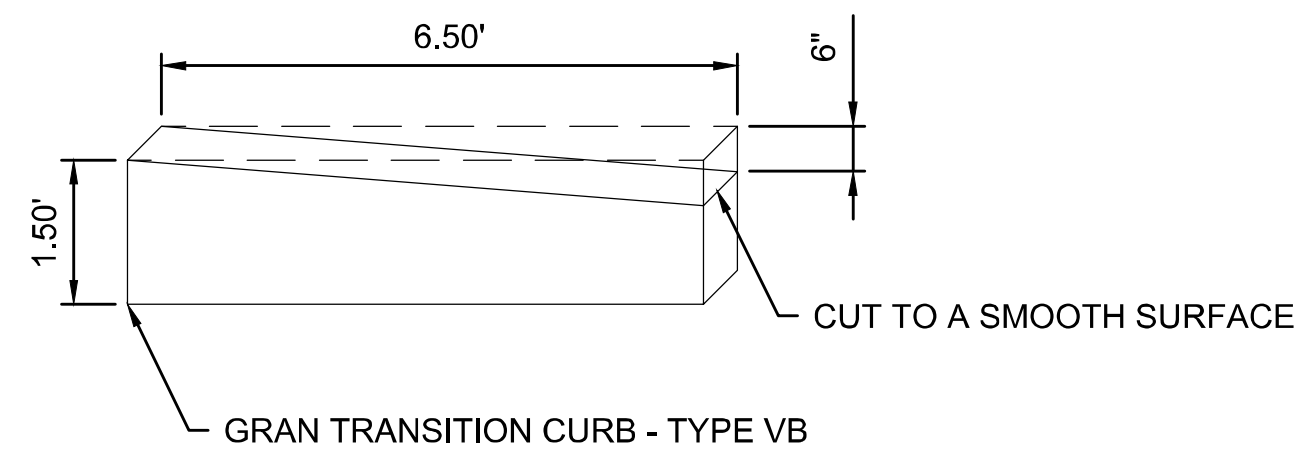
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	115	178
PROJECT FILE NO.		607397	

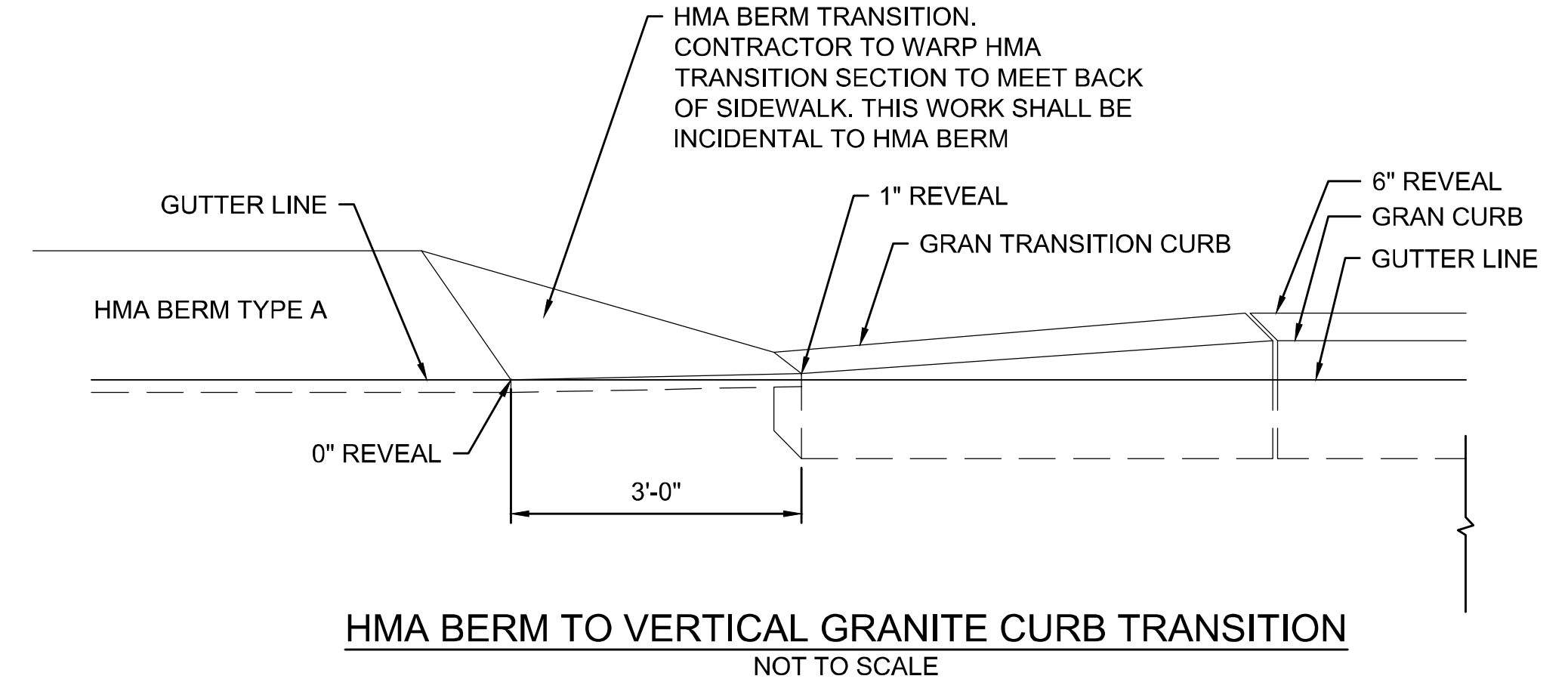
**CONSTRUCTION DETAILS
PART 1 OF 6**



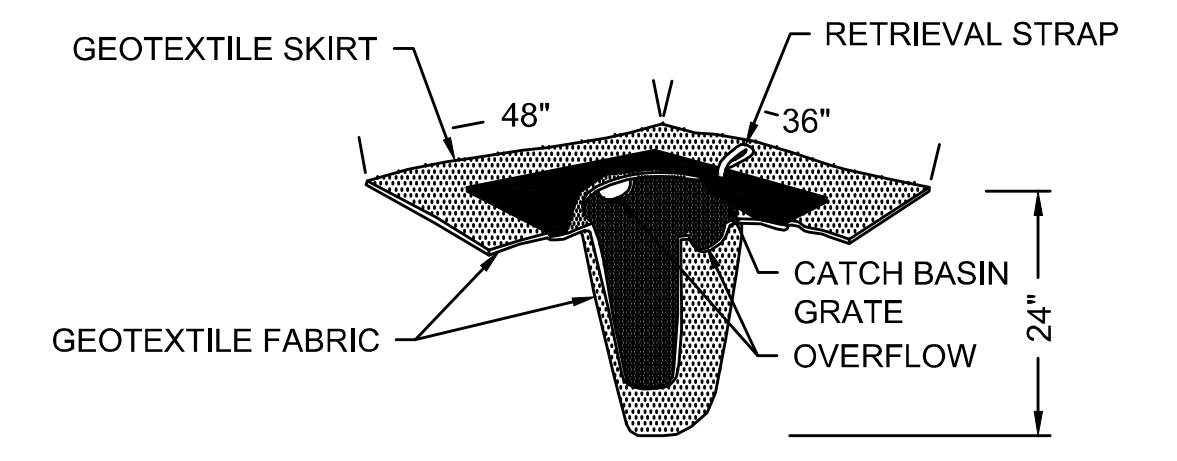
- NOTE:**
- SETTING OF TRANSITION CURB SHALL FOLLOW THE STANDARD SPECIFICATIONS AND DETAILS.
 - GRANITE TRANSITION CURB FOR TERMINAL SECTIONS SHALL BE INCIDENTAL TO ITEM 506.



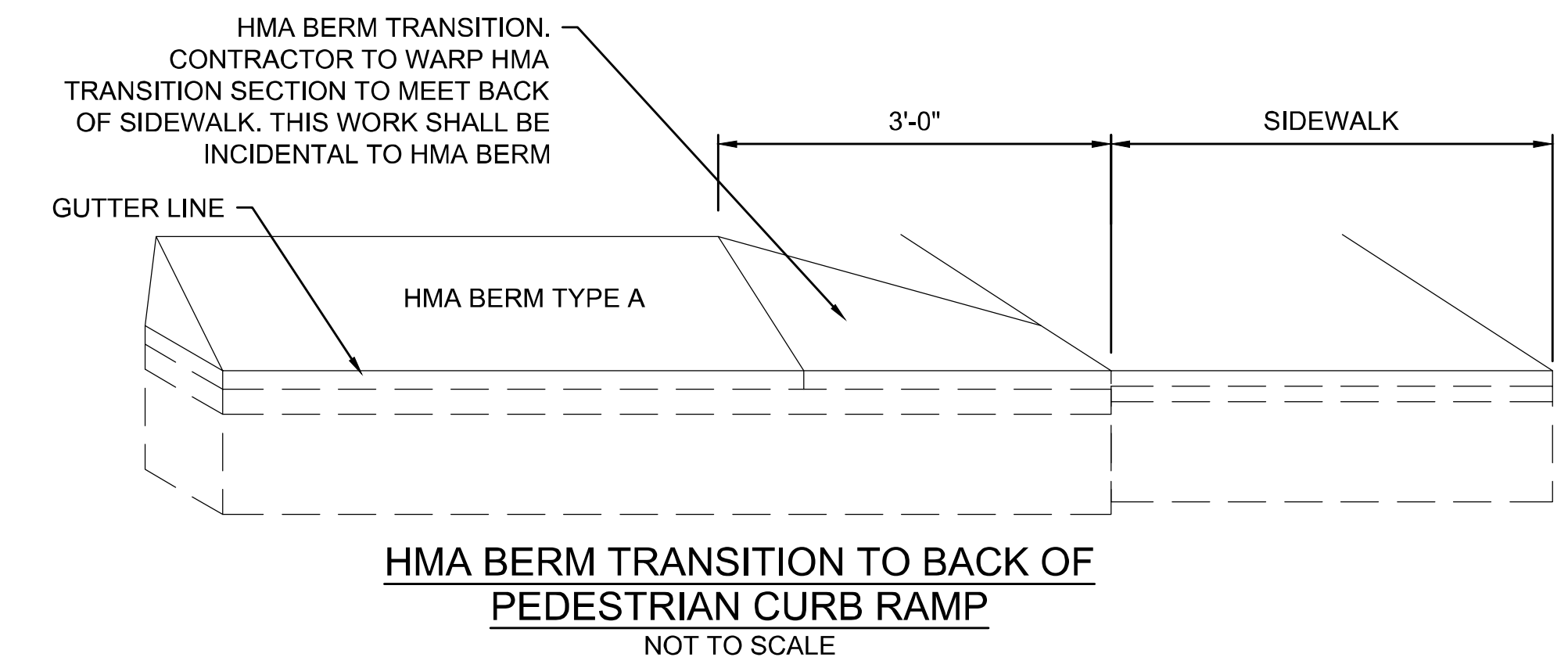
GRANITE TRANSITION CURB FOR TERMINAL SECTIONS
NOT TO SCALE



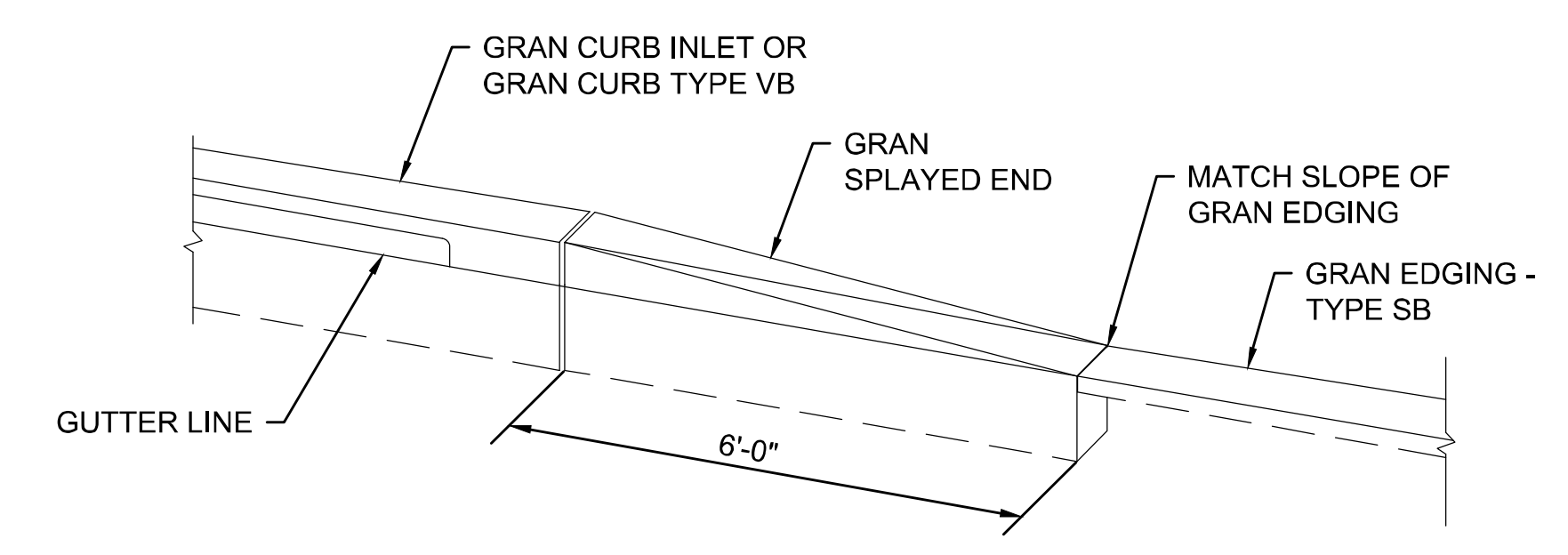
HMA BERM TO VERTICAL GRANITE CURB TRANSITION
NOT TO SCALE



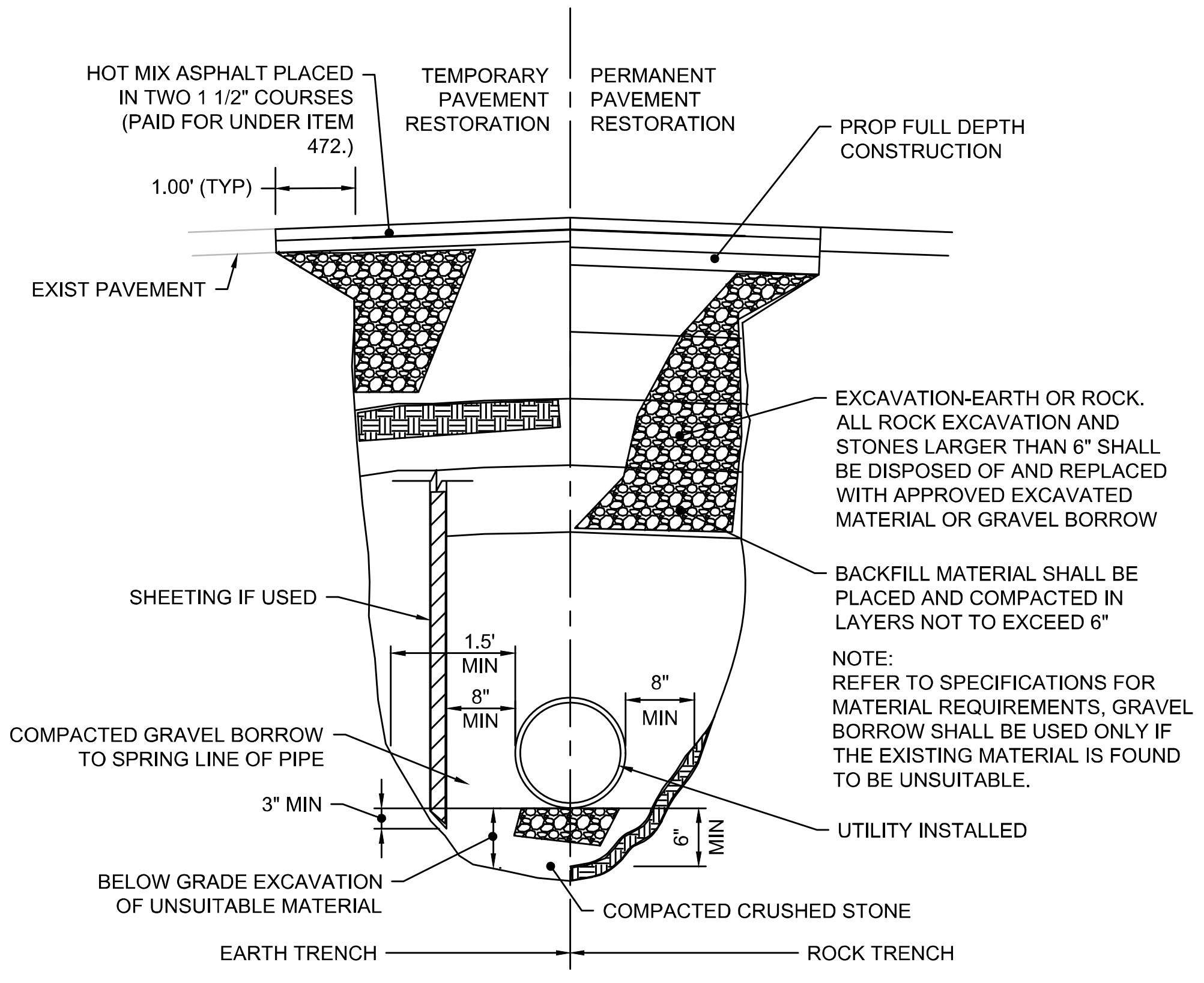
SILT SACK FOR SEDIMENT CONTROL
NOT TO SCALE



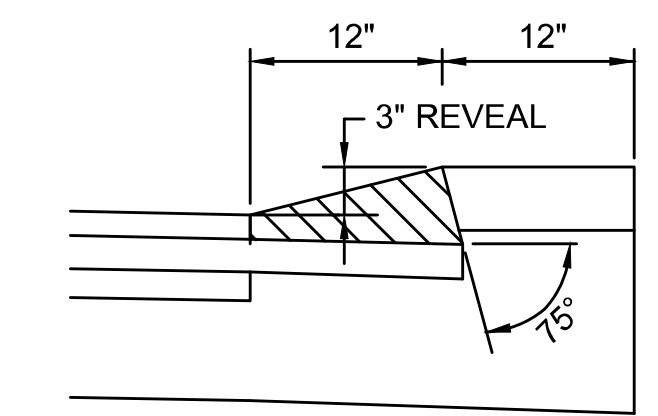
HMA BERM TRANSITION TO BACK OF PEDESTRIAN CURB RAMP
NOT TO SCALE



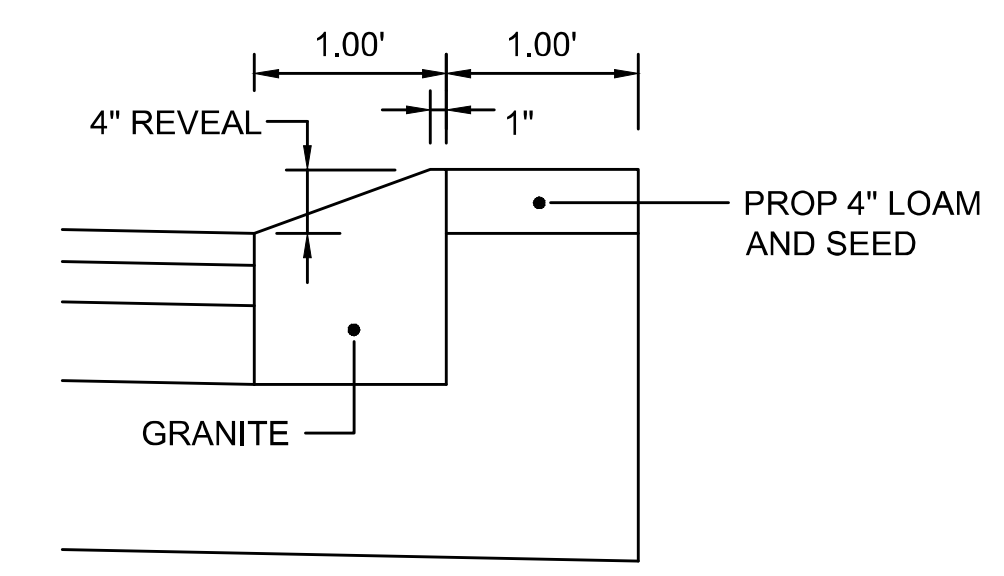
SPLAYED END
NOT TO SCALE



TYPICAL UTILITY TRENCH SECTION
NOT TO SCALE

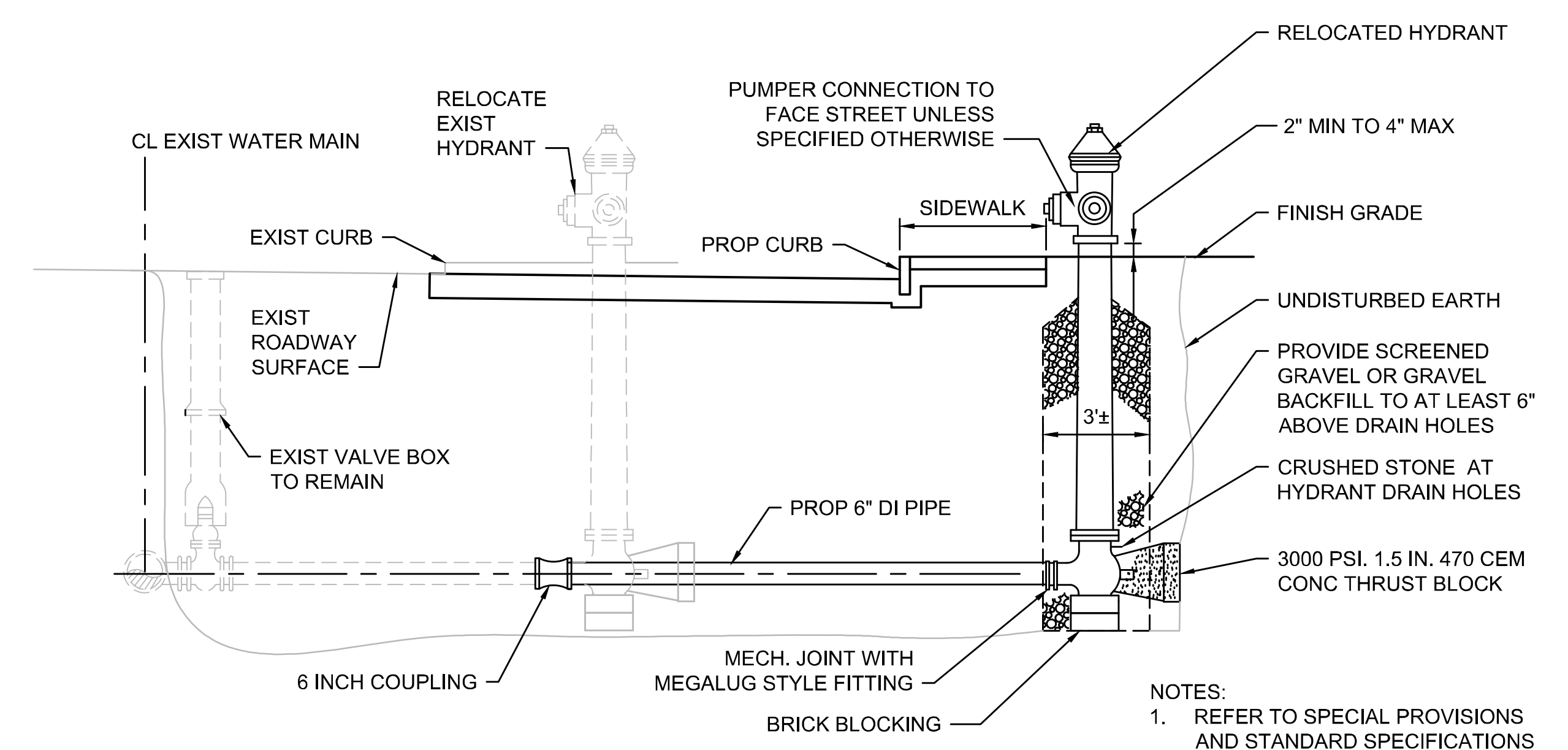


HMA BERM TYPE A - MODIFIED
NOT TO SCALE



GRANITE CURB TYPE T100
NOT TO SCALE

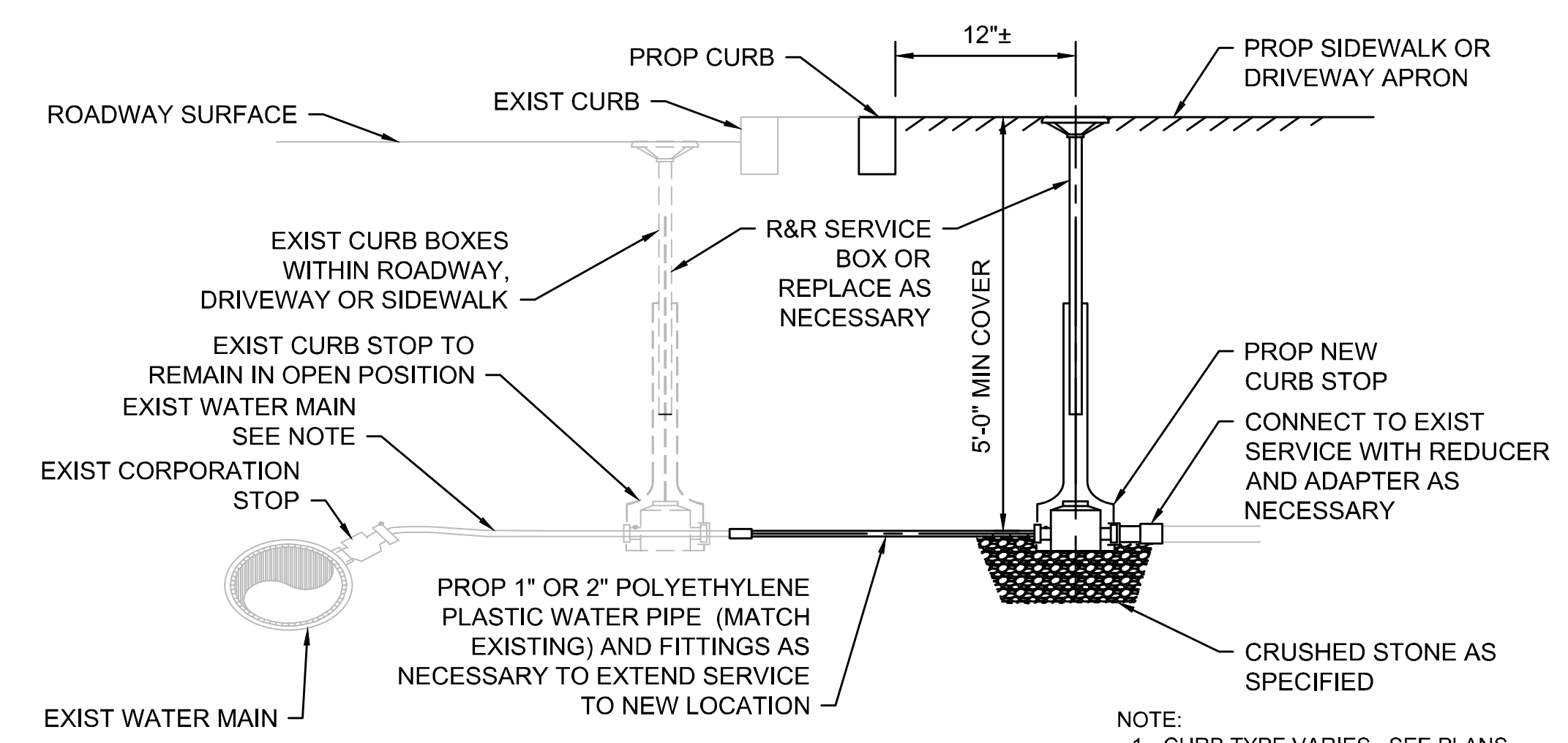
NOTE:
BOTTOM OF CURB SHALL BE SET TO SAME ELEVATION AS ADJACENT CEMENT CONCRETE BASE COURSE WITHIN ROADWAY.



FIRE HYDRANT REMOVED & RESET IN LINE WITH EXISTING HYDRANT
NOT TO SCALE

NOTES:
1. REFER TO SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS FOR MATERIAL REQUIREMENTS

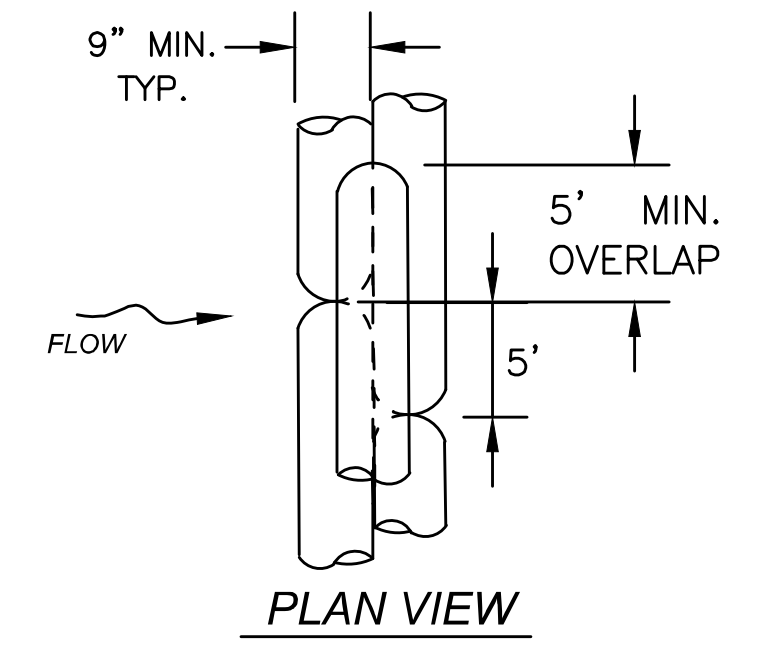
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/ST/P/AP-0035(052)X	116	178
PROJECT FILE NO.		607397	



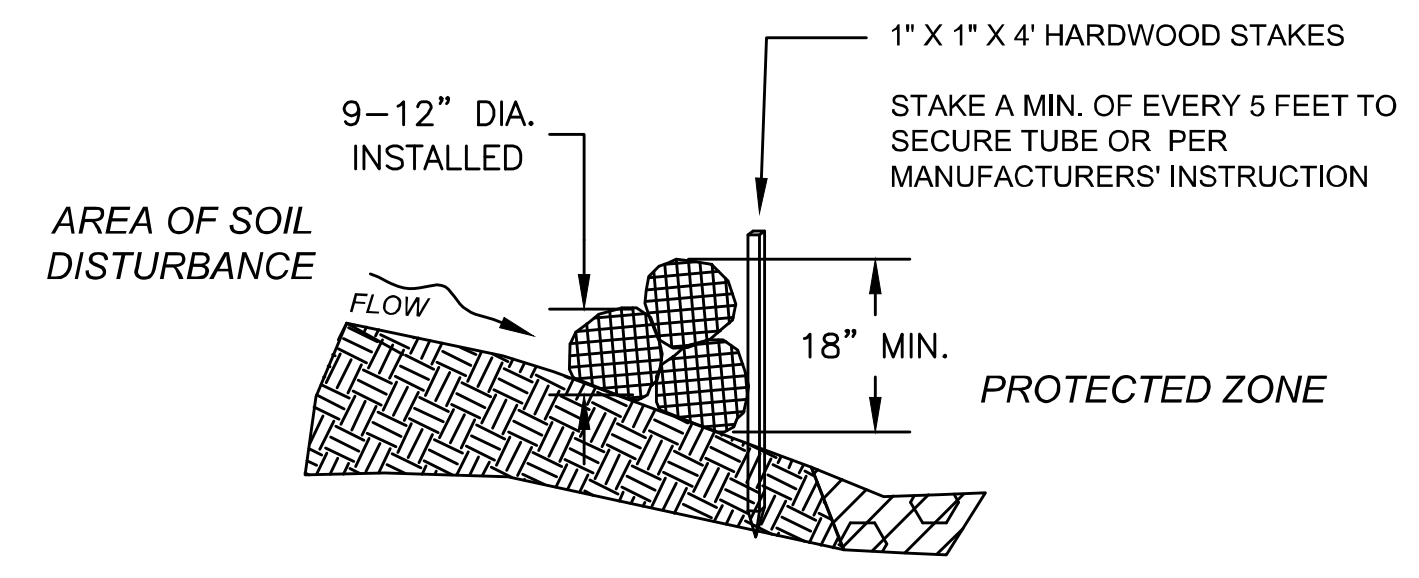
CURB STOP RELOCATION DETAIL
NOT TO SCALE

NOTE:
1. CURB TYPE VARIES. SEE PLANS.
2. IF THE EXISTING WATER SERVICE LINE IS NOT PLASTIC, CONTRACTOR SHALL INFORM THE TOWN OF WELLFLEET. NO CONNECTION SHALL BE MADE UNTIL THE TOWN OF WELLFLEET DETERMINES IF THE EXISTING LINE IS SUITABLE TO BE EXTENDED OR MUST BE REPLACED TO THE MAIN.

WHERE SPECIFIED ON CONSTRUCTION PLANS OR AS REQUIRED

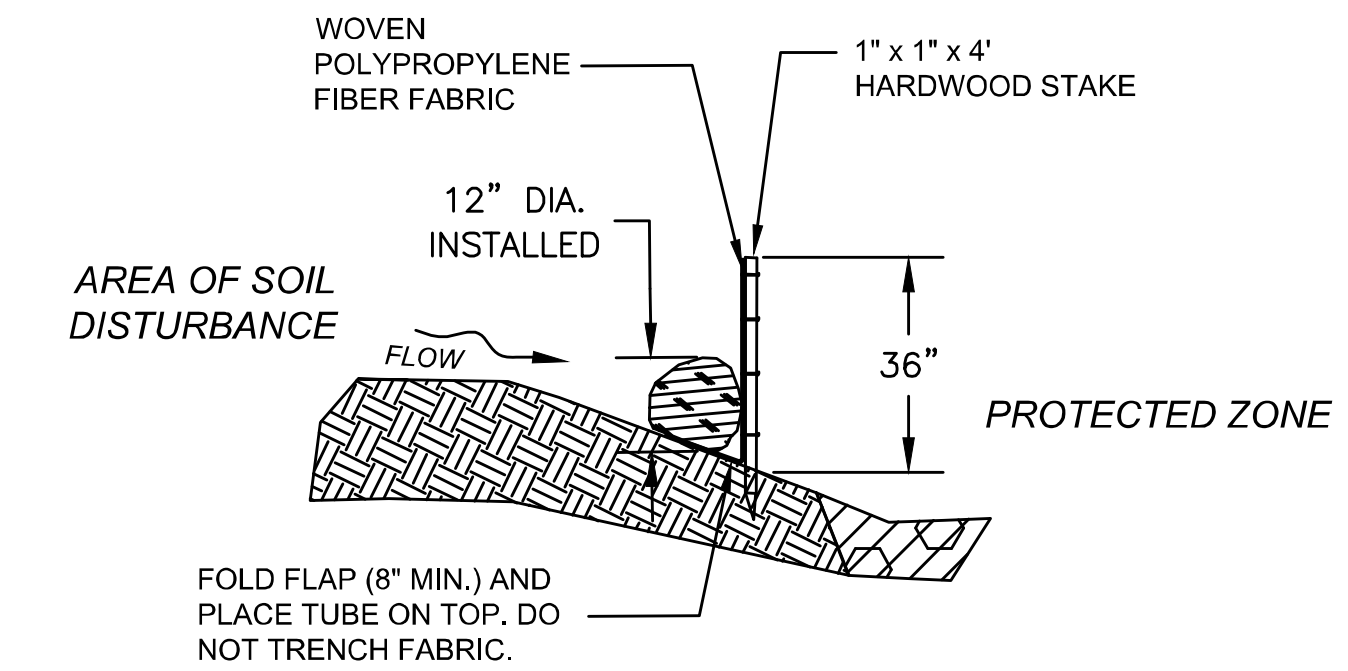


PLAN VIEW



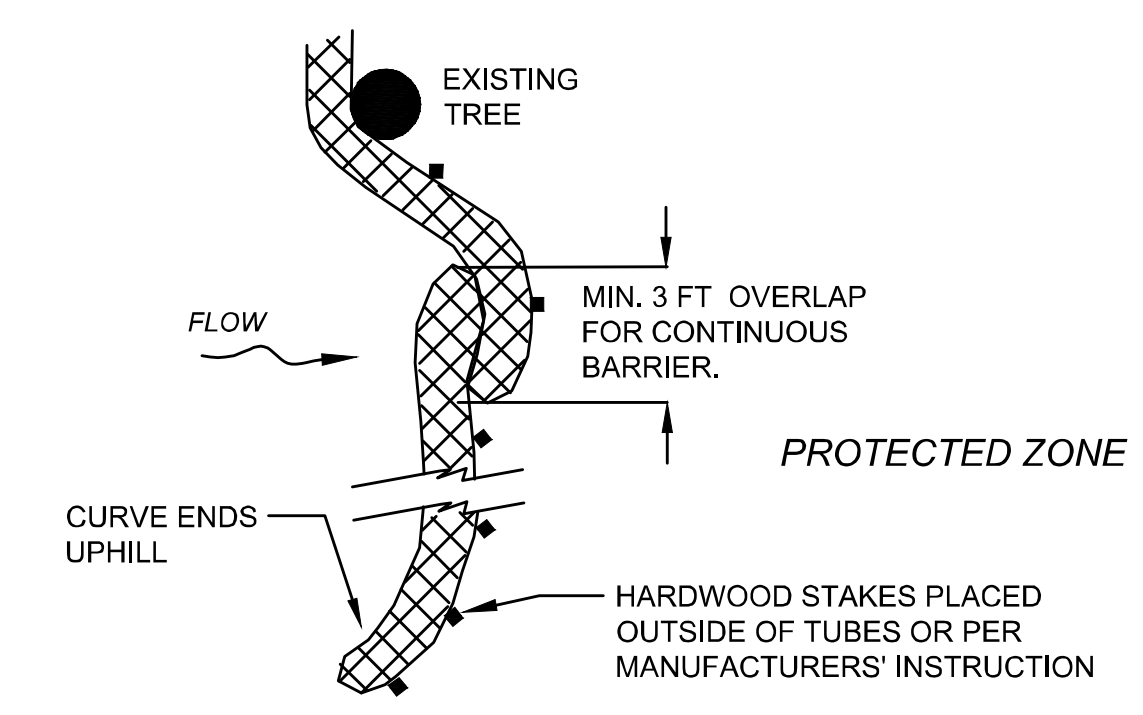
SECTION

COMPOST FILTER TUBES STACKED
NOT TO SCALE

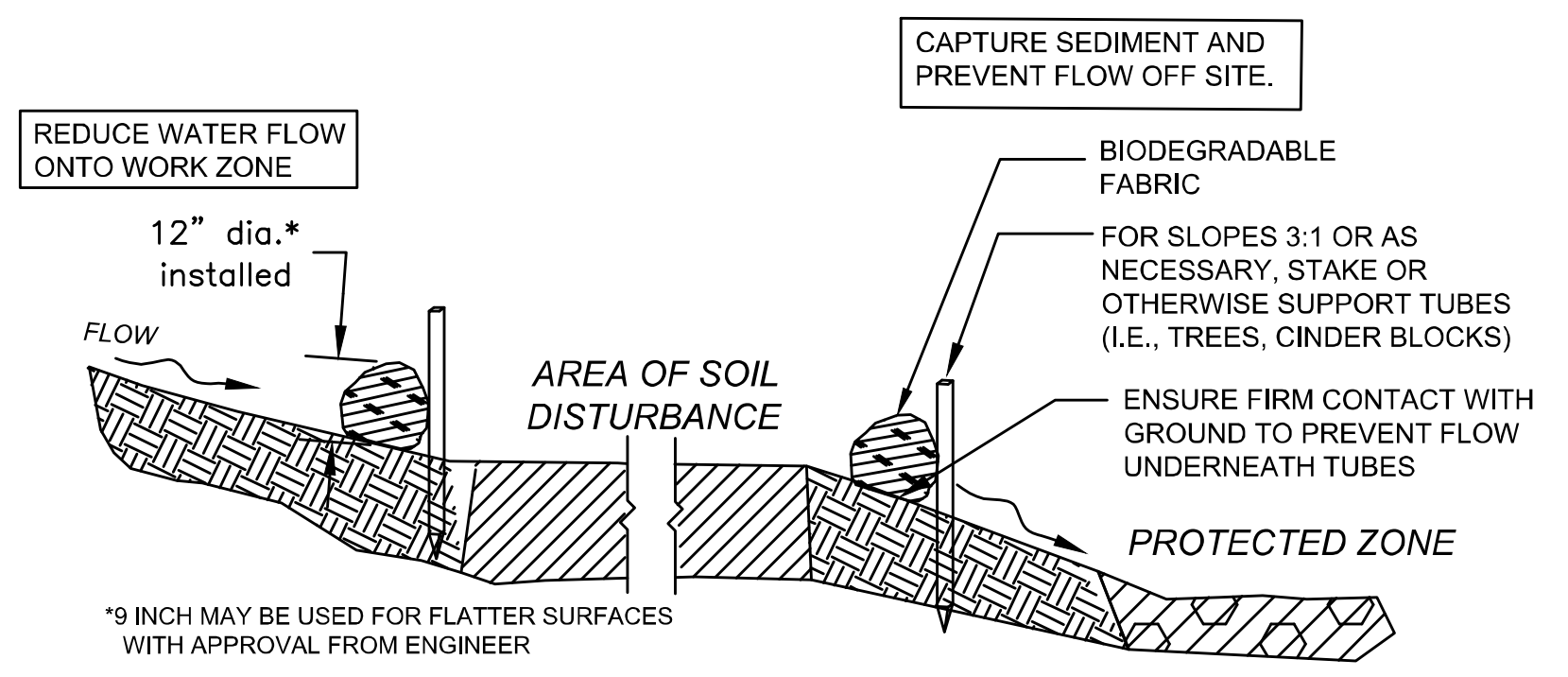


SECTION

COMPOST FILTER TUBE & SILT FENCE
NOT TO SCALE

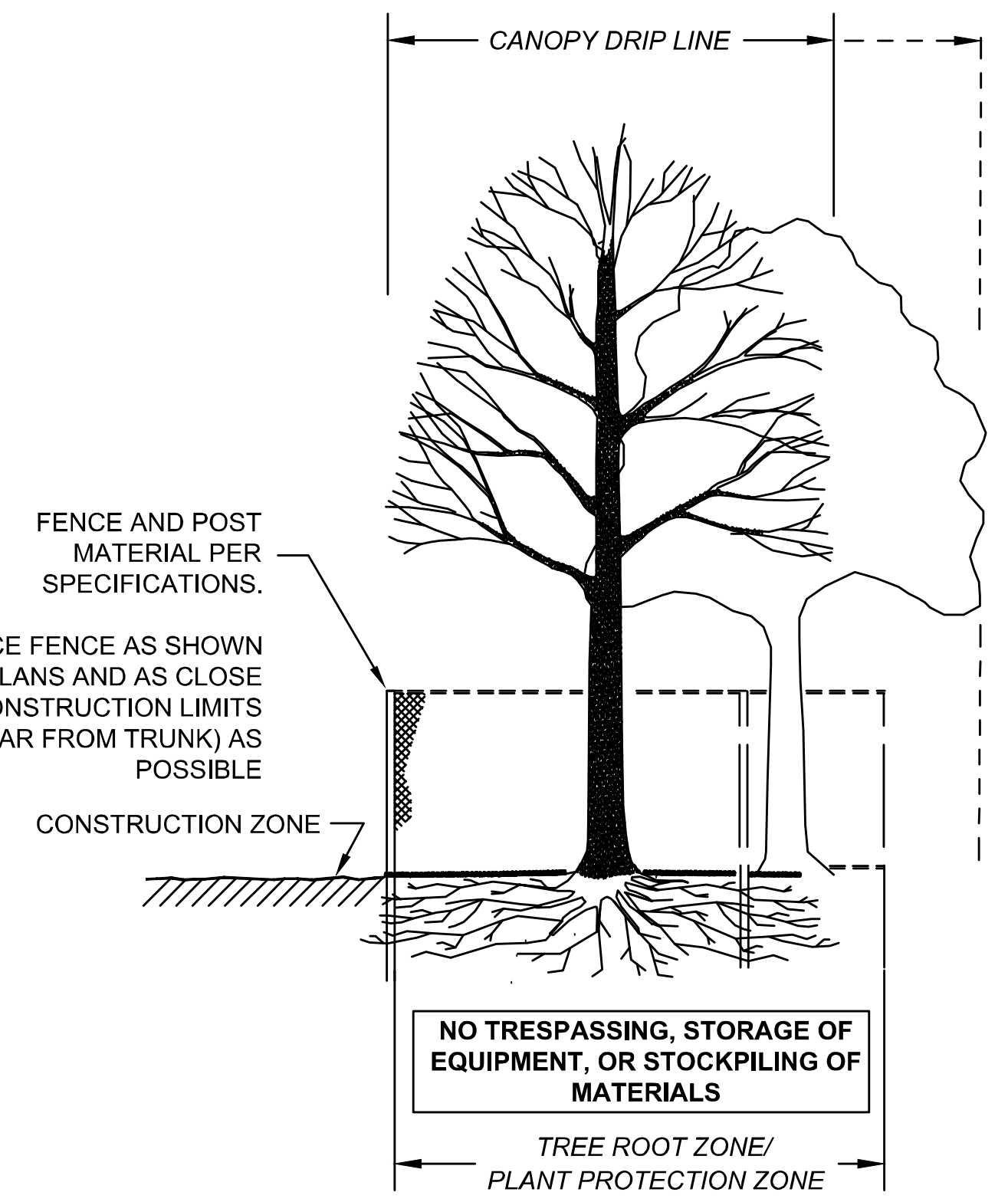


PLAN VIEW

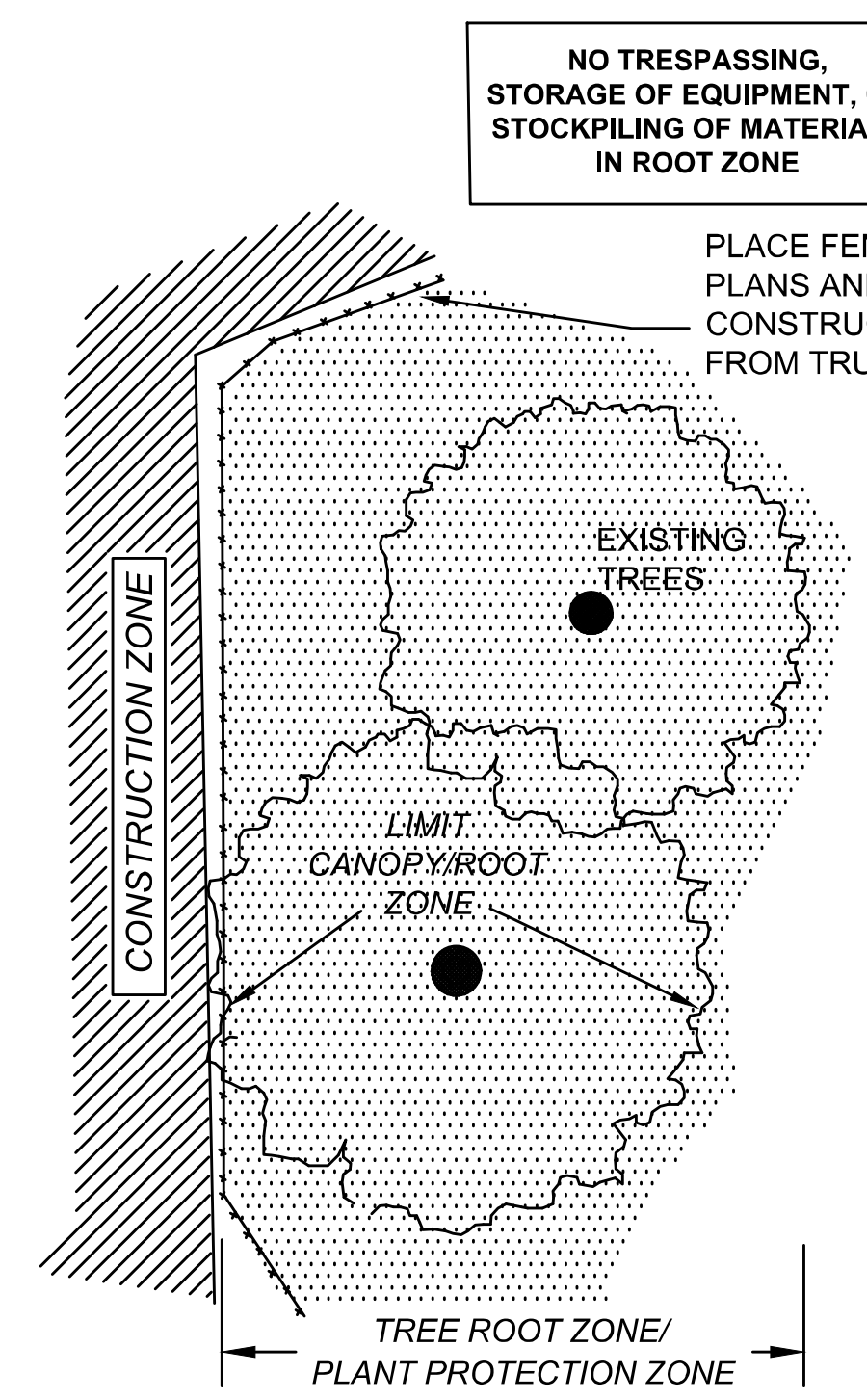


SECTION

SEDIMENT BARRIER - COMPOST FILTER TUBE
NOT TO SCALE

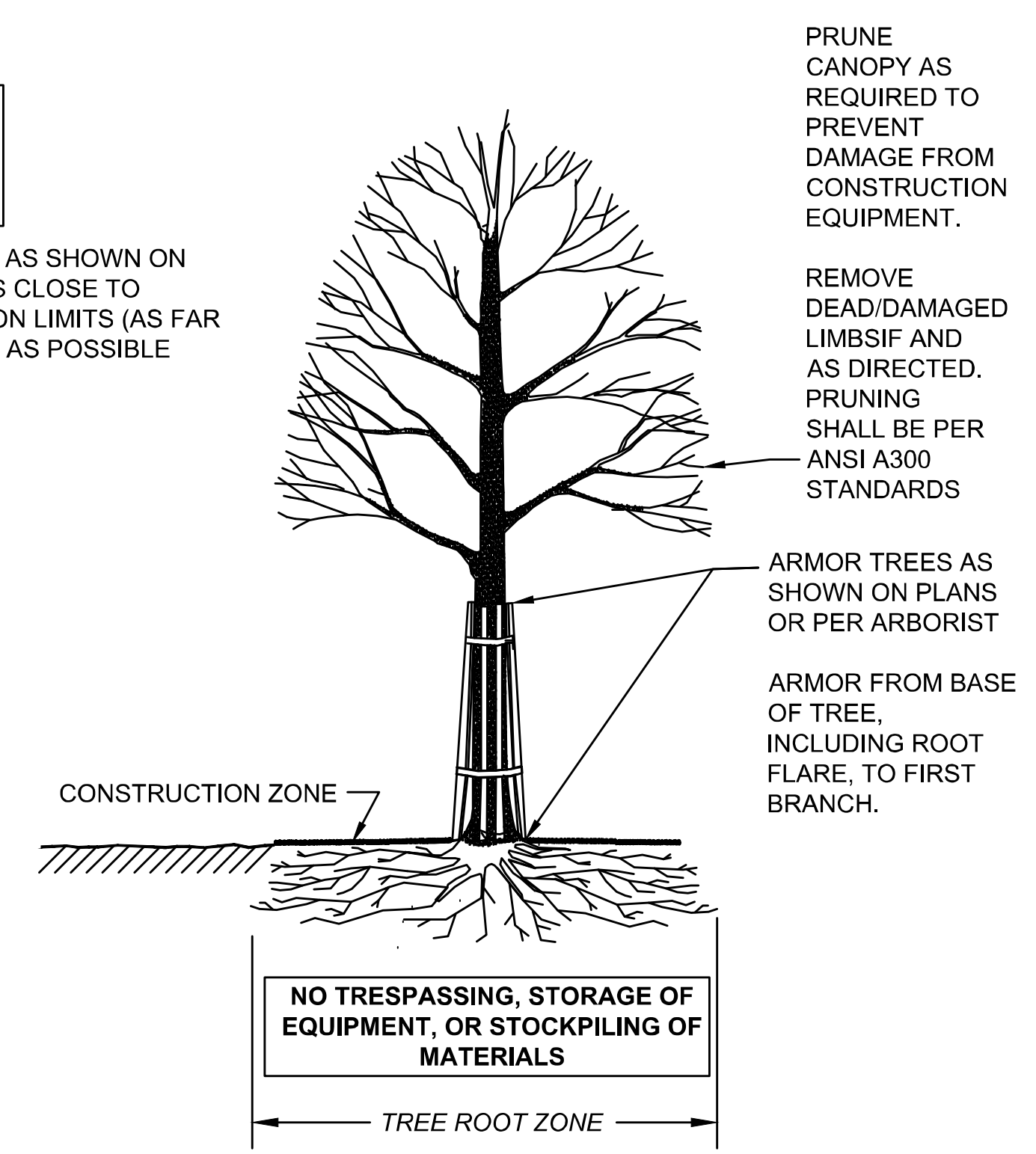


SECTION - FENCE PROTECTION OF ROOT ZONE



PLAN VIEW - FENCE PROTECTION OF ROOT ZONE

TREE PROTECTION ROOT ZONE
NOT TO SCALE



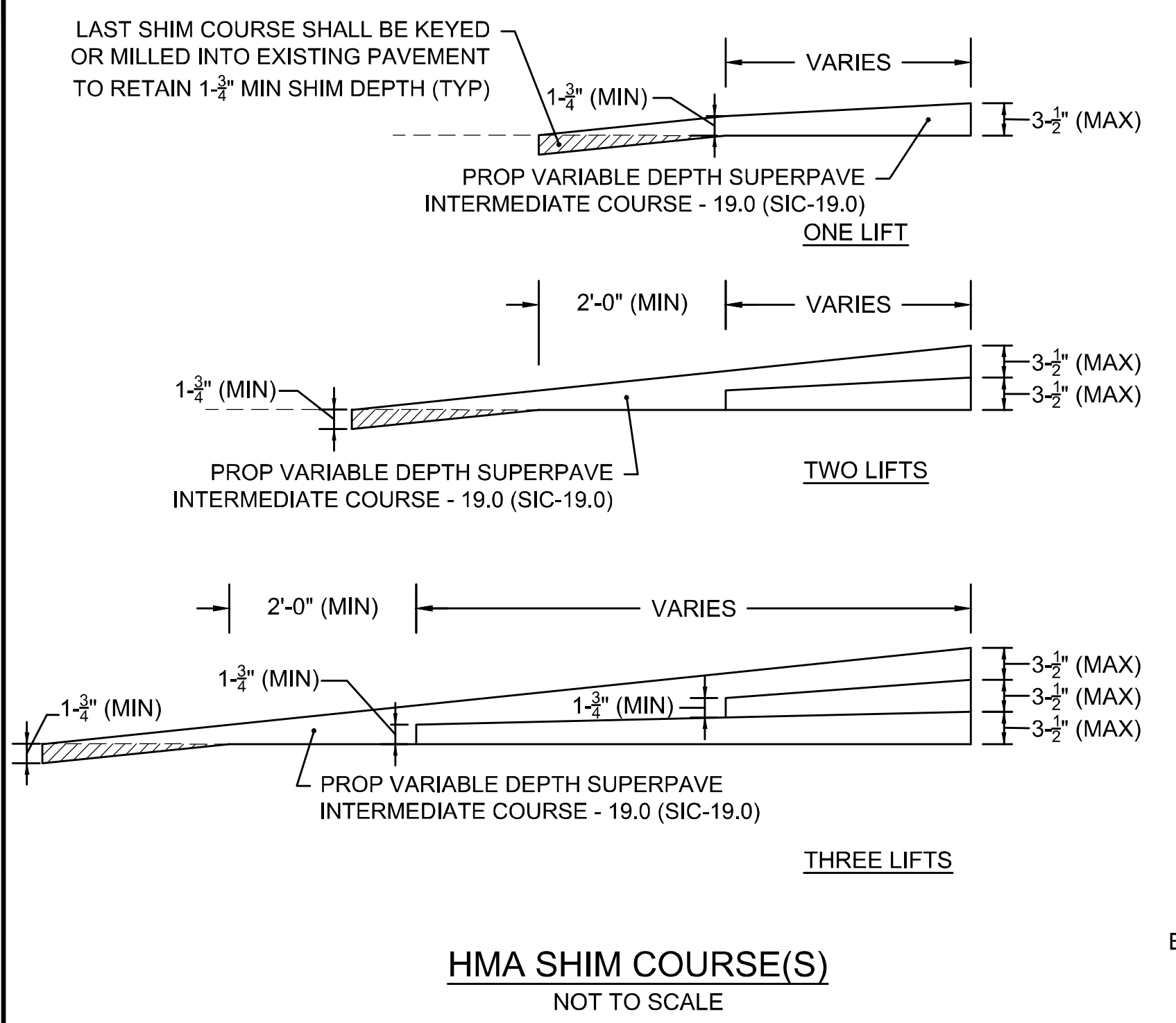
SECTION - TRUNK ARMORING & PRUNING

TREE PROTECTION TRUNK

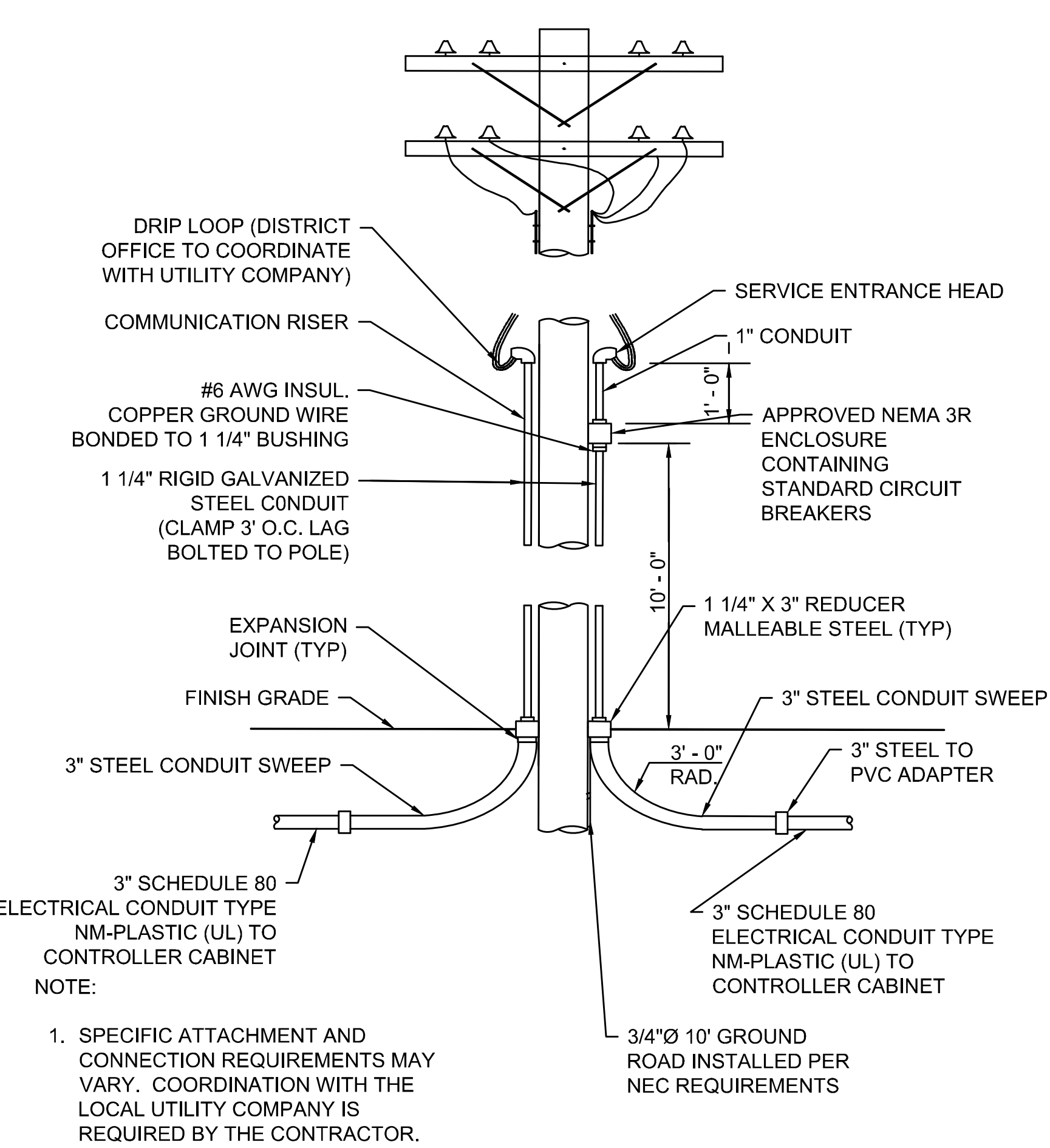
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/ST/P/AP-0035(052)X	117	178
PROJECT FILE NO.		607397	

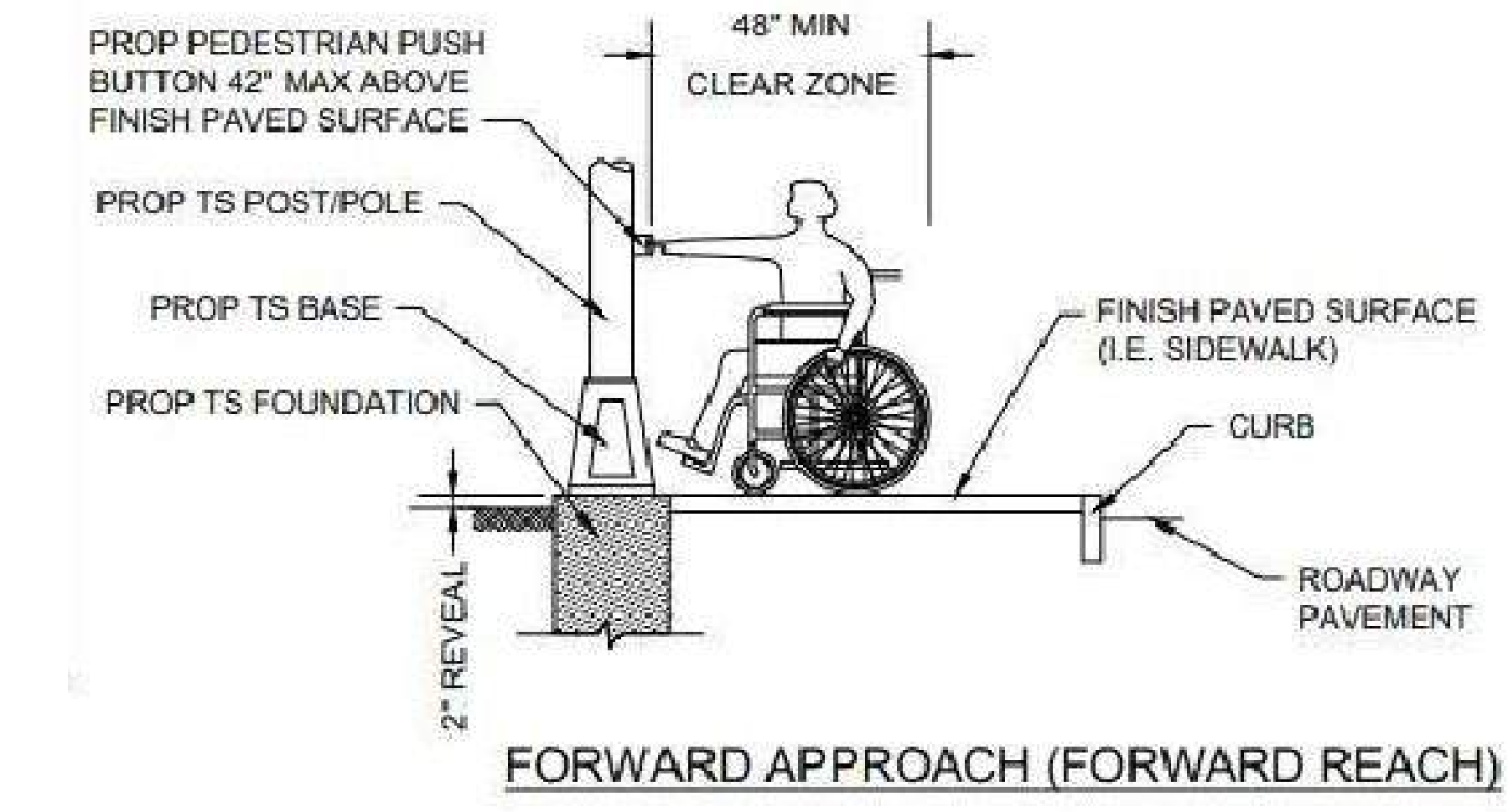
**CONSTRUCTION DETAILS
PART 3 OF 6**



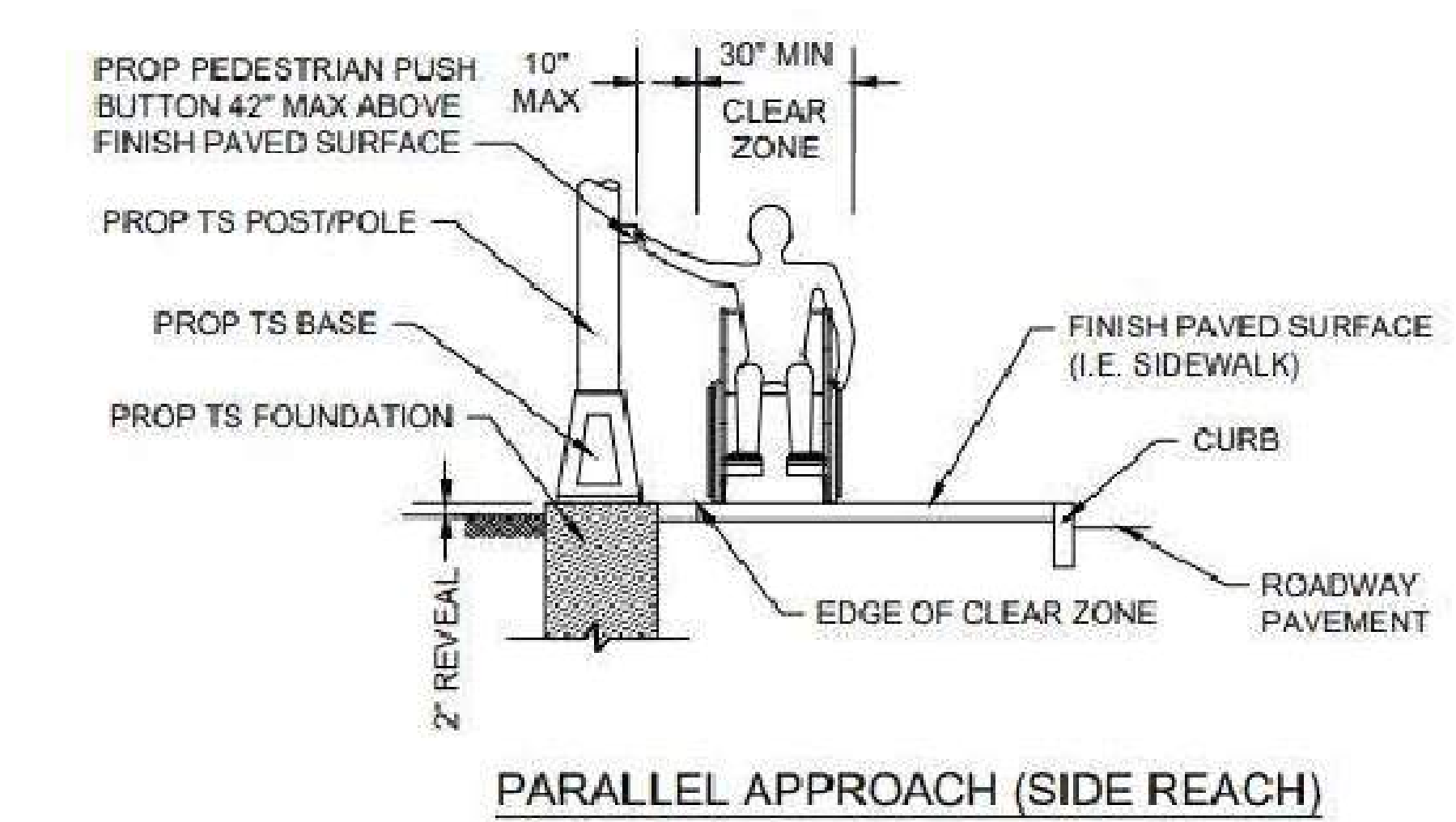
HMA SHIM COURSE(S)
NOT TO SCALE



TRAFFIC SIGNAL SERVICE CONNECTION - OVERHEAD
NOT TO SCALE



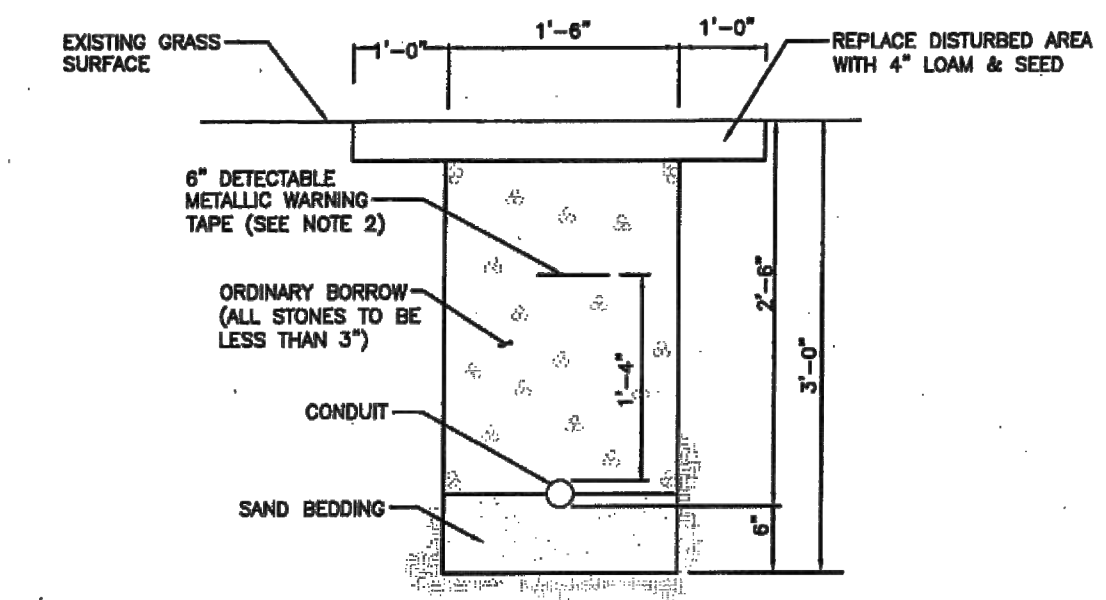
FORWARD APPROACH (FORWARD REACH)



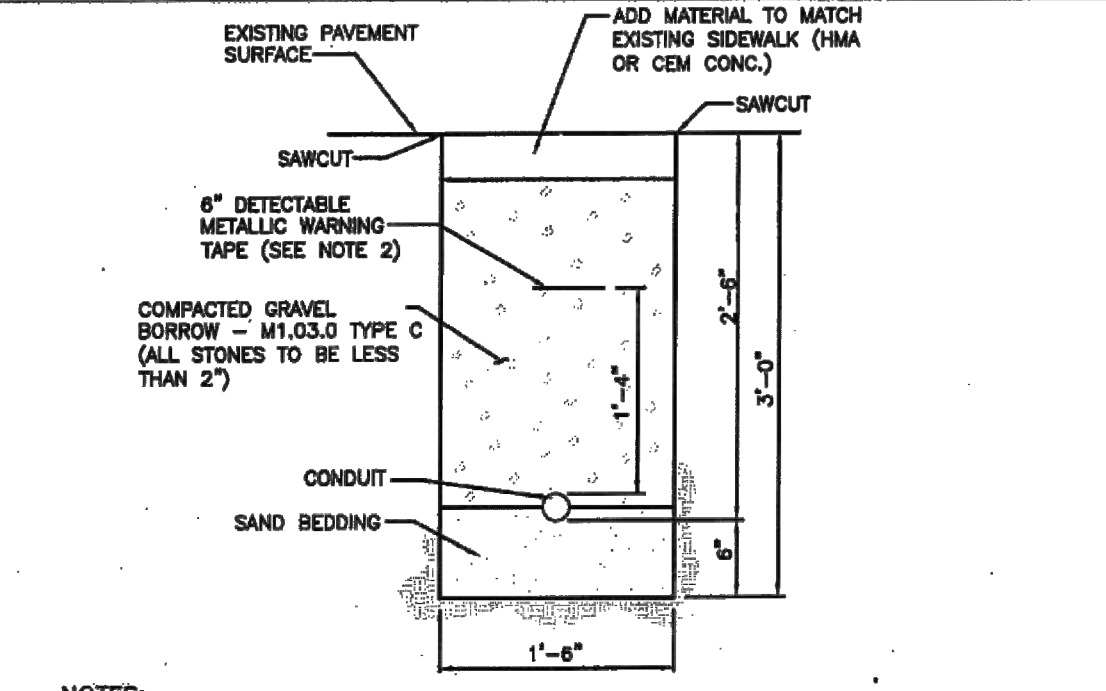
PARALLEL APPROACH (SIDE REACH)

NOTE:
A CLEAR GROUND SPACE SHALL CONSIST OF A STABLE AND FIRM AREA, COMPLYING WITH 521 CMR 6.5 (FORWARD REACH) OR 521 CMR 6.6 (SIDE REACH) AND SHALL BE PROVIDED AT EACH OF THE PEDESTRIAN PUSH BUTTONS.
a) WHERE A FORWARD APPROACH IS PROVIDED, PEDESTRIAN PUSH BUTTONS SHALL ABUT AND BE CENTERED ON THE CLEAR GROUND SPACE.
b) WHERE A PARALLEL APPROACH IS PROVIDED, PEDESTRIAN PUSH BUTTONS SHALL BE WITHIN TEN INCHES (10\") HORIZONTALLY OF AND CENTERED ON THE CLEAR GROUND SPACE.

PEDESTRIAN PUSHBUTTON CLEAR ZONE
NOT TO SCALE

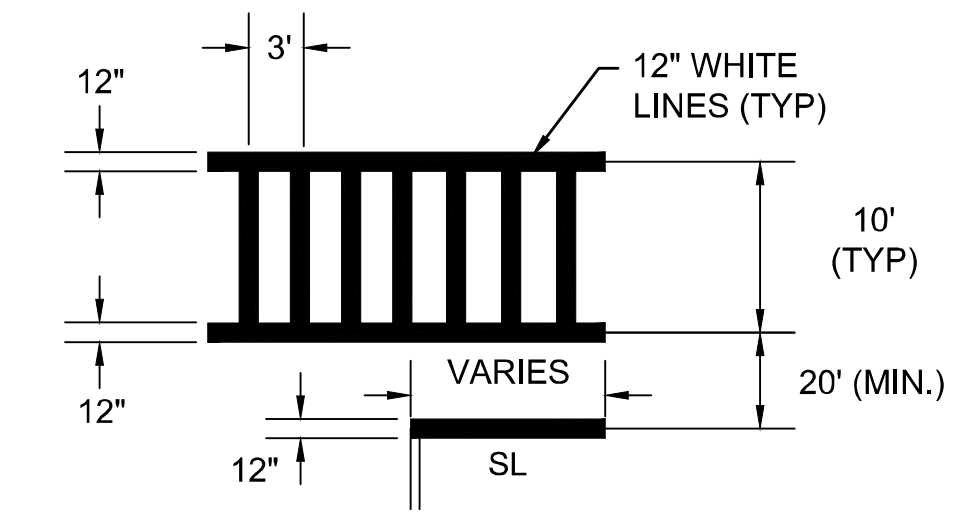


NOTES:
1. SCHEDULE 80 ELECTRICAL CONDUIT NM-PLASTIC (UL), WITH PULL ROPE, UNLESS OTHERWISE APPROVED BY MASSDOT.
2. WARNING TAPE SHALL BE PER CURRENT APWA STANDARD.

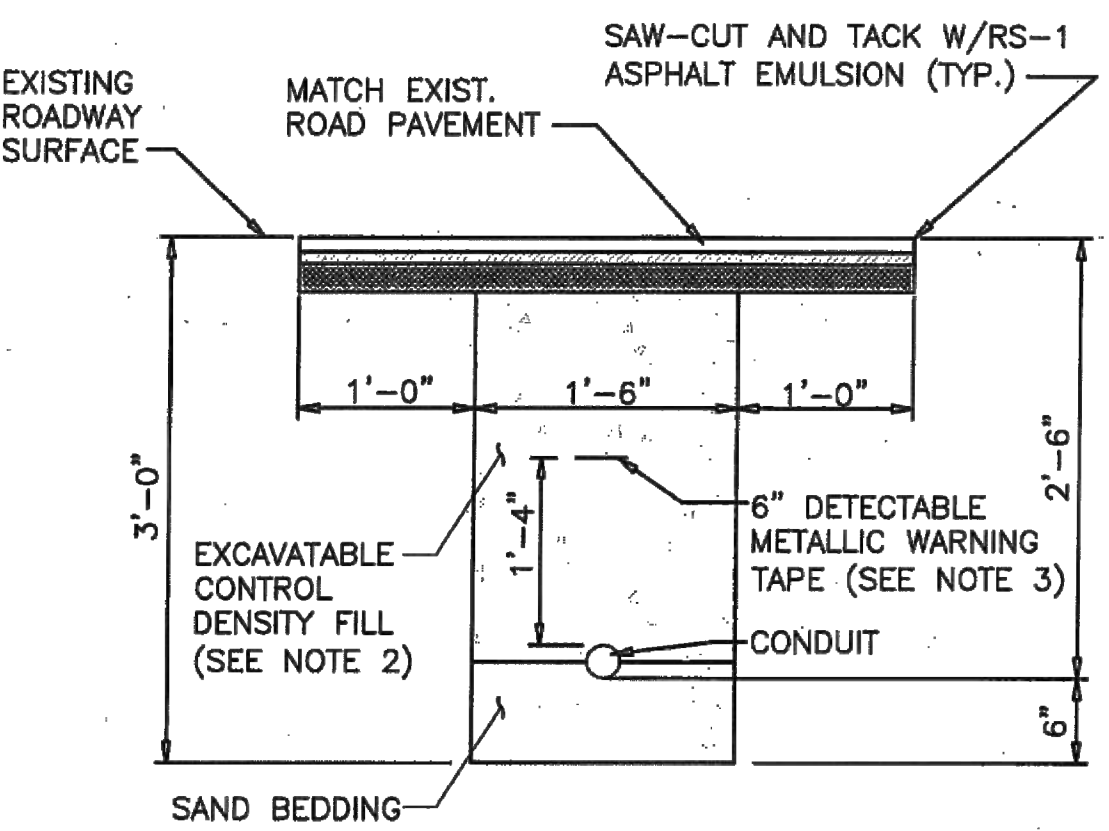


NOTES:
1. SCHEDULE 80 ELECTRICAL CONDUIT NM-PLASTIC (UL), WITH PULL ROPE, UNLESS OTHERWISE APPROVED BY MASSDOT.
2. WARNING TAPE SHALL BE PER CURRENT APWA STANDARD.

TRAFFIC SIGNAL CONDUIT UNDER SIDEWALK/ROADSIDE
NOT TO SCALE

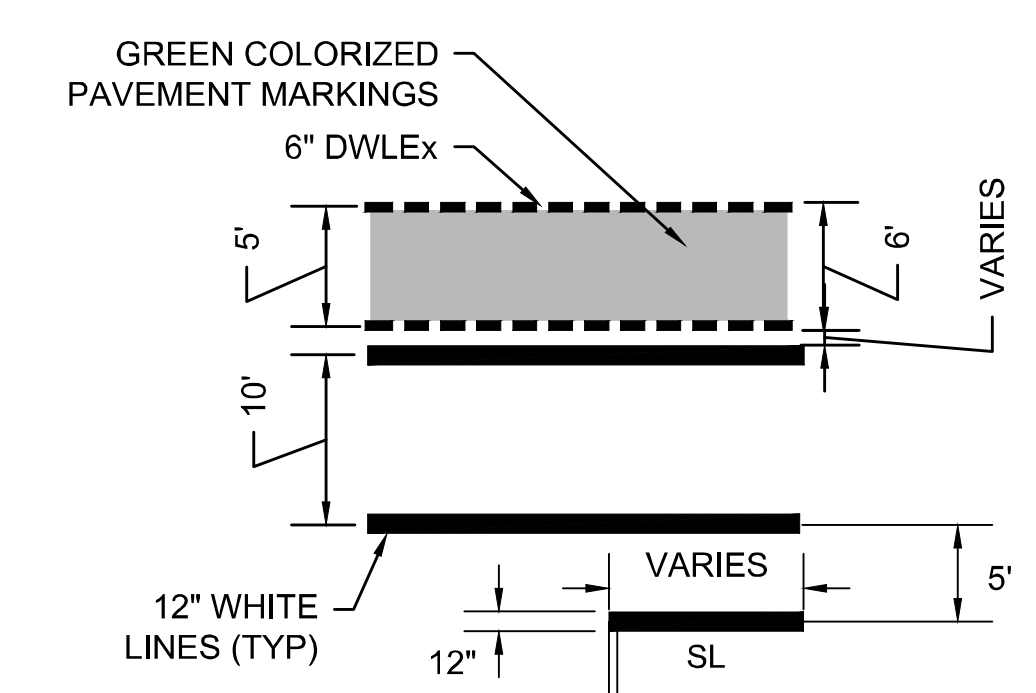


PEDESTRIAN HYBRID BEACON CROSSWALK AND STOP LINE DETAIL
NOT TO SCALE

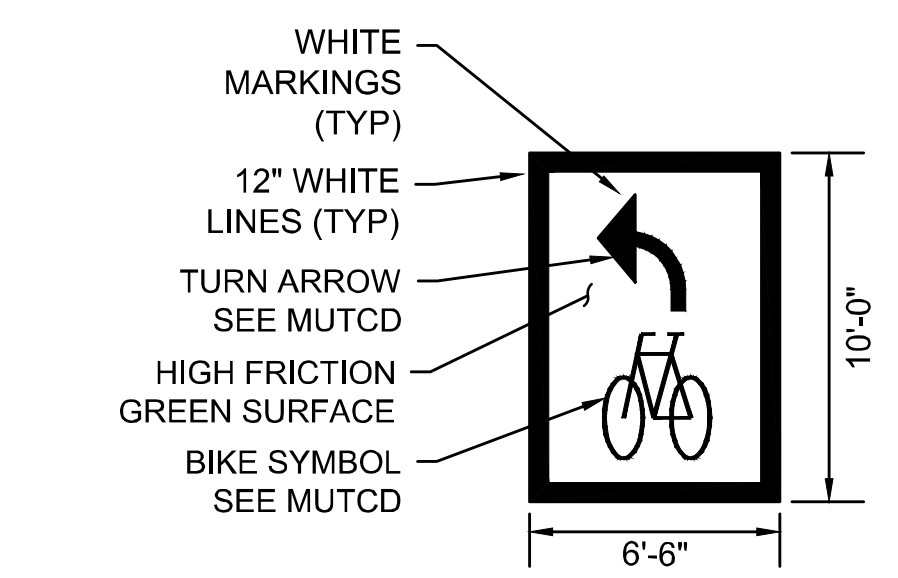


NOTES:
1. SCHEDULE 80 ELECTRICAL CONDUIT TYPE NM-PLASTIC (UL), WITH PULL ROPE, UNLESS OTHERWISE APPROVED BY MASSDOT.
2. CONTROL DENSITY FILL SHALL MEET THE REQUIREMENTS OF SUBSECTION M4.08.0
3. WARNING TAPE SHALL BE PER CURRENT APWA STANDARDS.

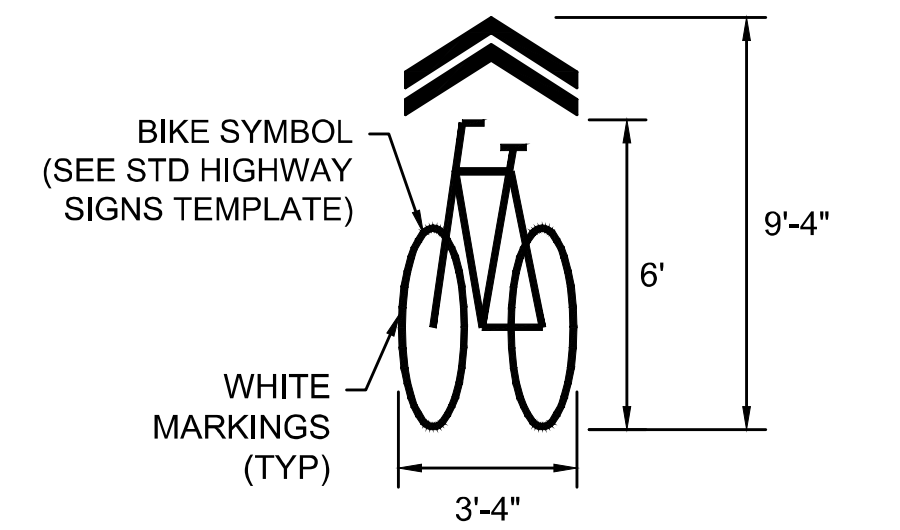
TRAFFIC SIGNAL CONDUIT CROSSING ROADWAY
NOT TO SCALE



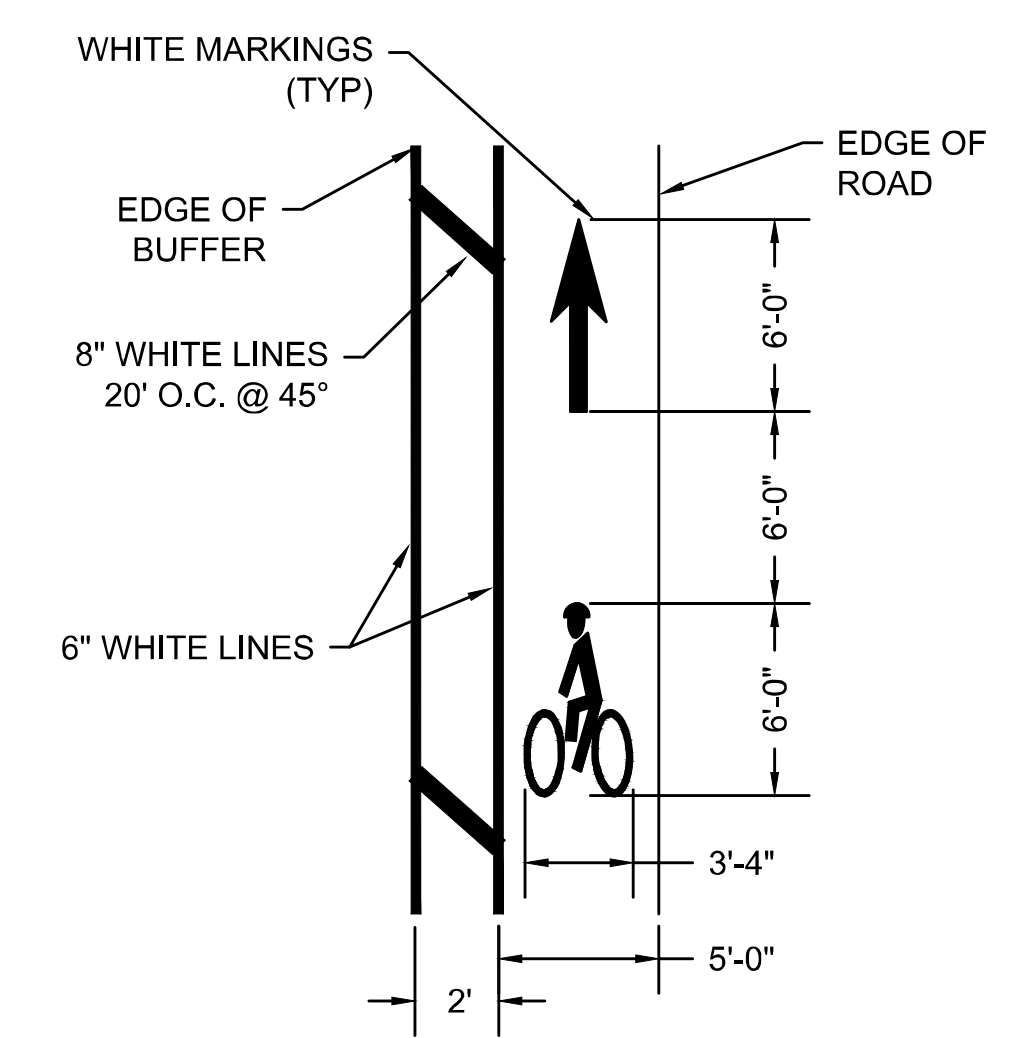
CROSSWALK AND BIKE LANE CROSSING DETAIL
NOT TO SCALE



TWO-STAGE TURN BIKE BOX
NOT TO SCALE
SEE PLANS FOR DIMENSIONS OF MAIN STREET BIKE BOX



SHARED LANE MARKING
NOT TO SCALE

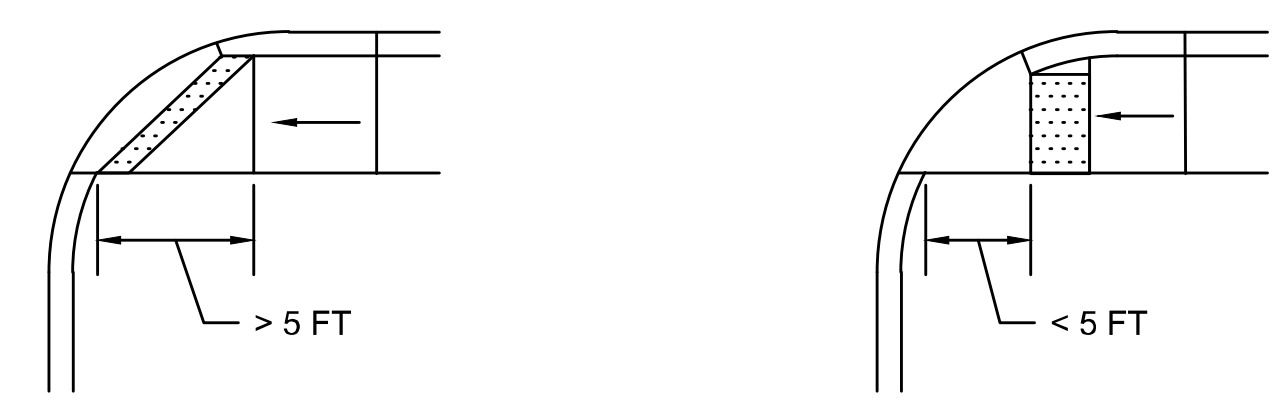


BIKE LANE MARKINGS
NOT TO SCALE

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	118	178
PROJECT FILE NO.		607397	

PCR #	ASSET ID	TYPE	RAMP REFERENCE POINT			WIDTH OF RAMP (W)	RAMP LENGTH (W1)	WIDTH OF SIDEWALK	ROADWAY GUTTER SLOPE (+/-)	TRANSITION LENGTH	
			BASELINE	STATION	OFFSET					LEFT SIDE	RIGHT SIDE
1			NOT USED								
2			NOT USED								
3	PED-85110	B	ROUTE 6	24+58.44 LT	32.24'	5.00'	6.50'	5.00'	1.28%	6.50'	-
4	PED-85111	B	ROUTE 6	25+38.47 LT	33.10'	5.00'	9.00'	5.00'	1.12%	-	9.00'
5	PED-85112	B	ROUTE 6	25+15.50 RT	23.00'	6.50'	6.50'	6.50'	-1.14%	-	6.50'
6	PED-85113	B	ROUTE 6	25+93.27 RT	23.00'	6.50'	7.67'	6.50'	-0.76%	7.67'	-
7	PED-85114	A	ROUTE 6	30+89.25 LT	33.95'	5.93'	6.00'	5.00'	-3.27%	15.00'	6.50'
8	PED-85115	A	ROUTE 6	30+89.25 RT	18.00'	6.50'	5.00'	6.50'	1.49%	6.50'	9.00'
9	PED-85116	B	MAIN STREET	100+36.54 LT	38.36'	5.00'	6.50'	5.00'	-4.62%	-	-
10	PED-85117	C	MAIN STREET	100+66.22 RT	35.94'	5.88'	6.00'	6.00'	2.85%	6.50'	11.00'
11	PED-85118	D	ROUTE 6	32+21.20 LT	29.00'	6.00'	6.00'	6.00'	-1.70%	9.00'	-
12	PED-85119	A	ROUTE 6	32+20.74 RT	18.00'	6.50'	5.00'	6.50'	1.70%	6.50'	9.00'

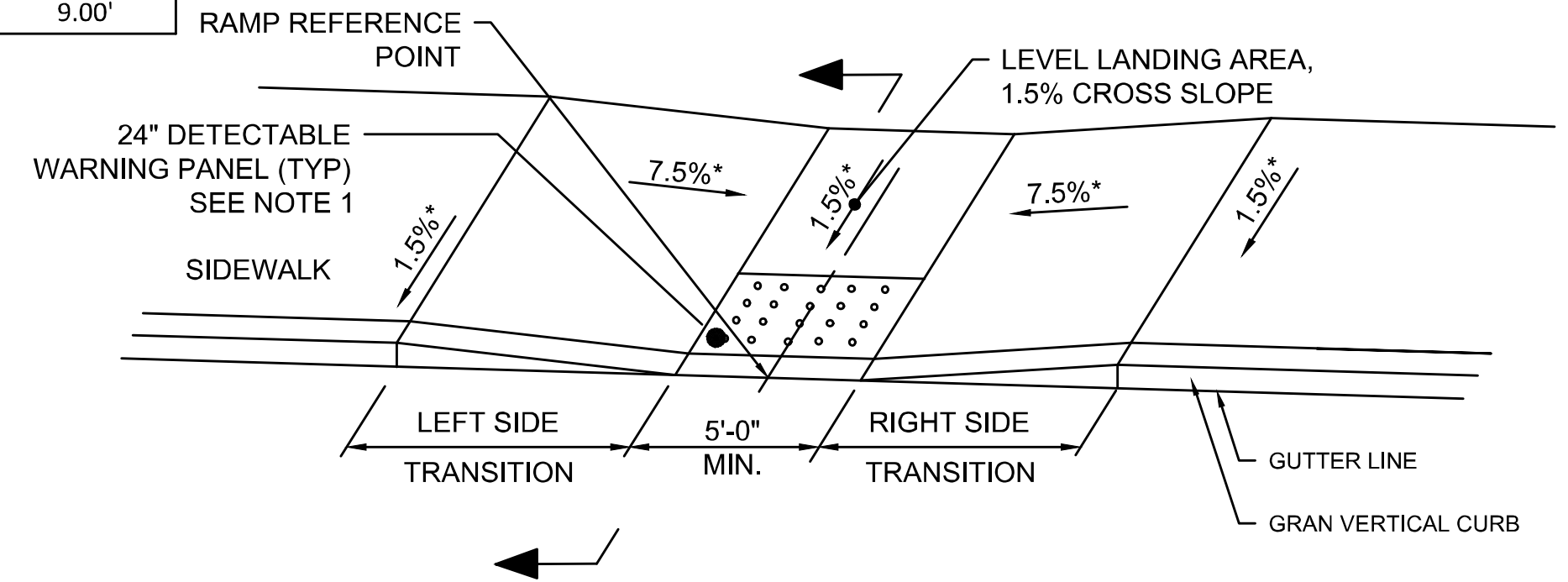
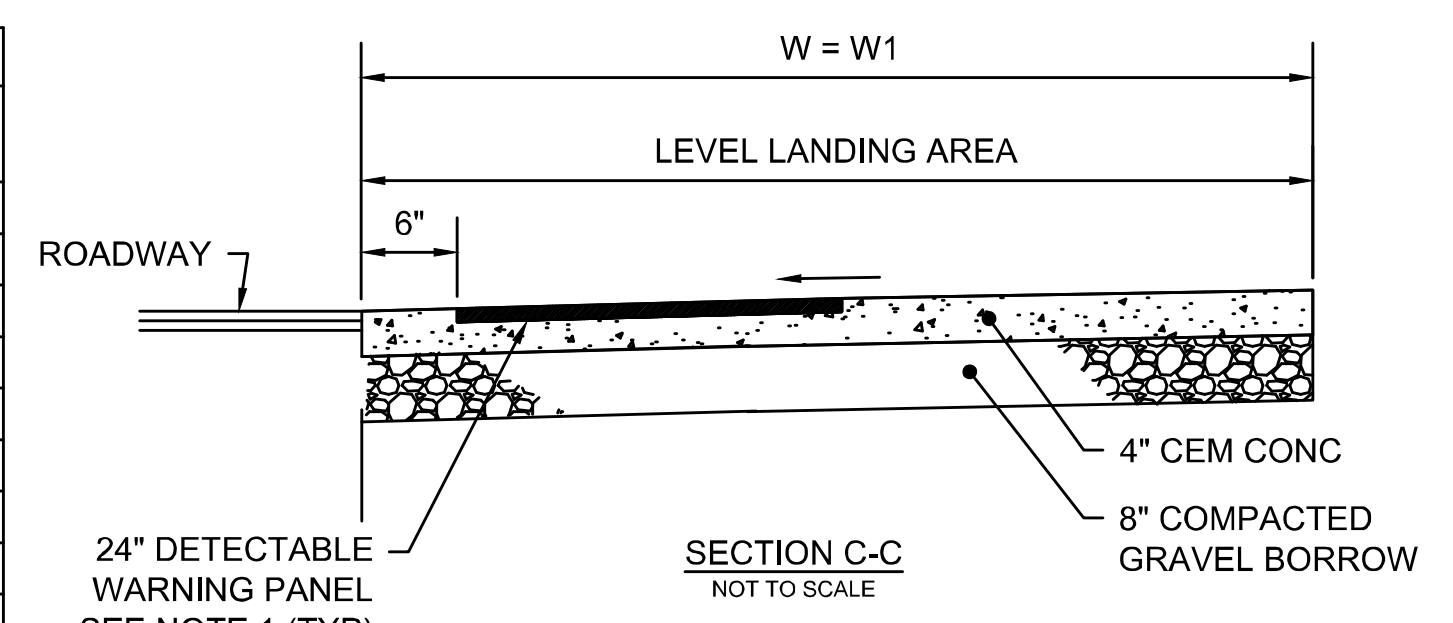
NOTE: SEE SHEET 37 FOR DETAIL OF PEDESTRIAN CURB RAMP 7 AND 9.



PLACE DETECTABLE WARNING PANEL ON BOTTOM LANDING IF LANDING IS MORE THAN 5 FEET DEEP AT ANY POINT.

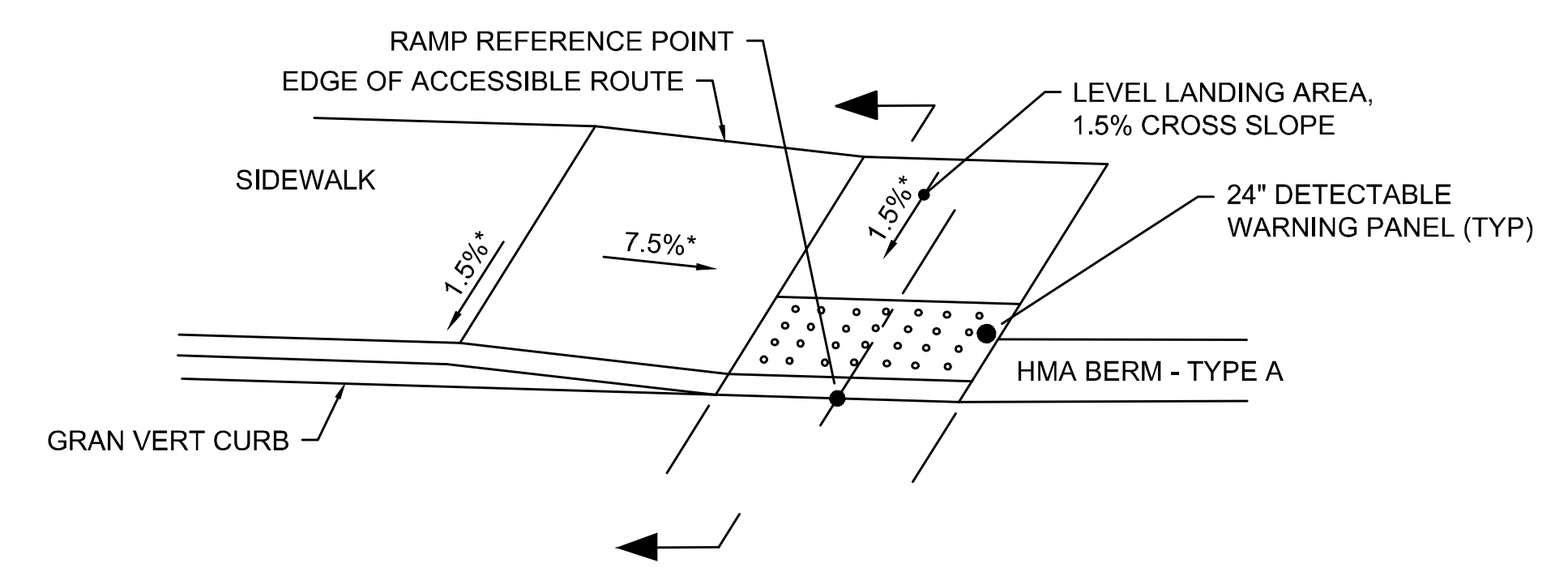
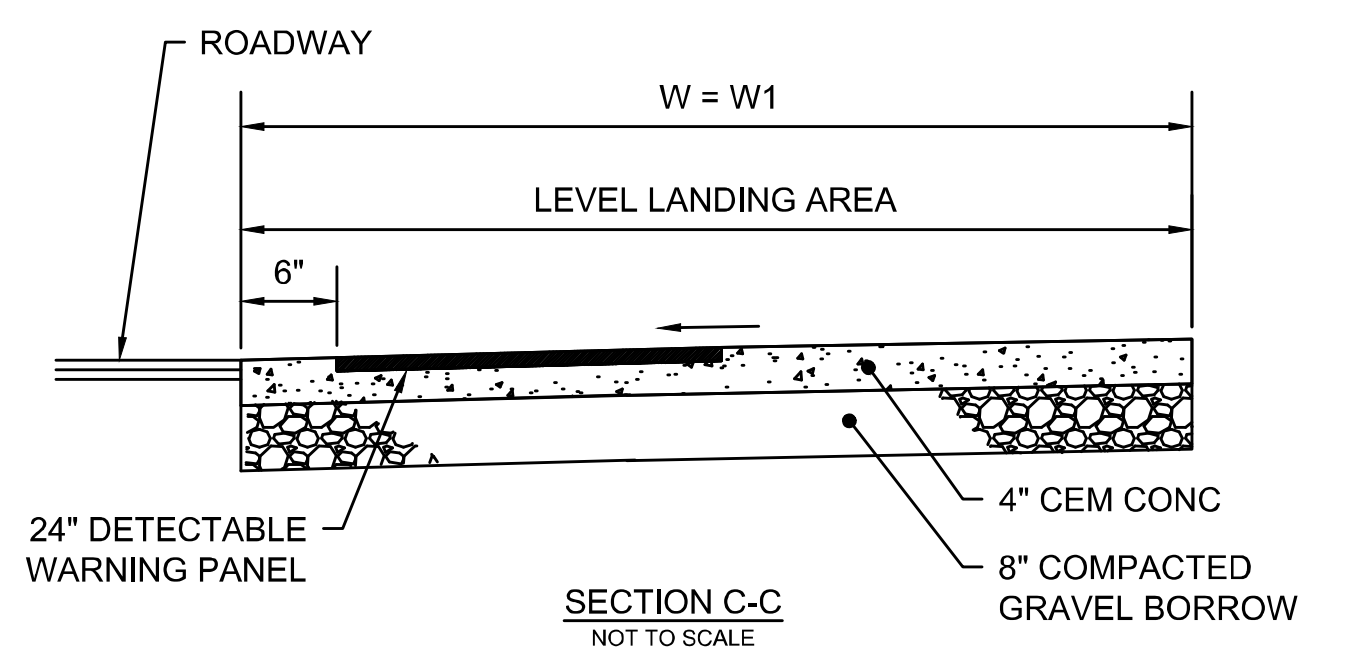
PLACE DETECTABLE WARNING PANEL AT GRADE BREAK IF LEVEL LANDING IS LESS THAN 5 FEET DEEP.

DETECTABLE WARNING PANELS
NOT TO SCALE



REFERENCE MASSDOT STANDARD
CONSTRUCTION DETAIL 107.2.1

PEDESTRIAN CURB RAMP TYPE C
NOT TO SCALE

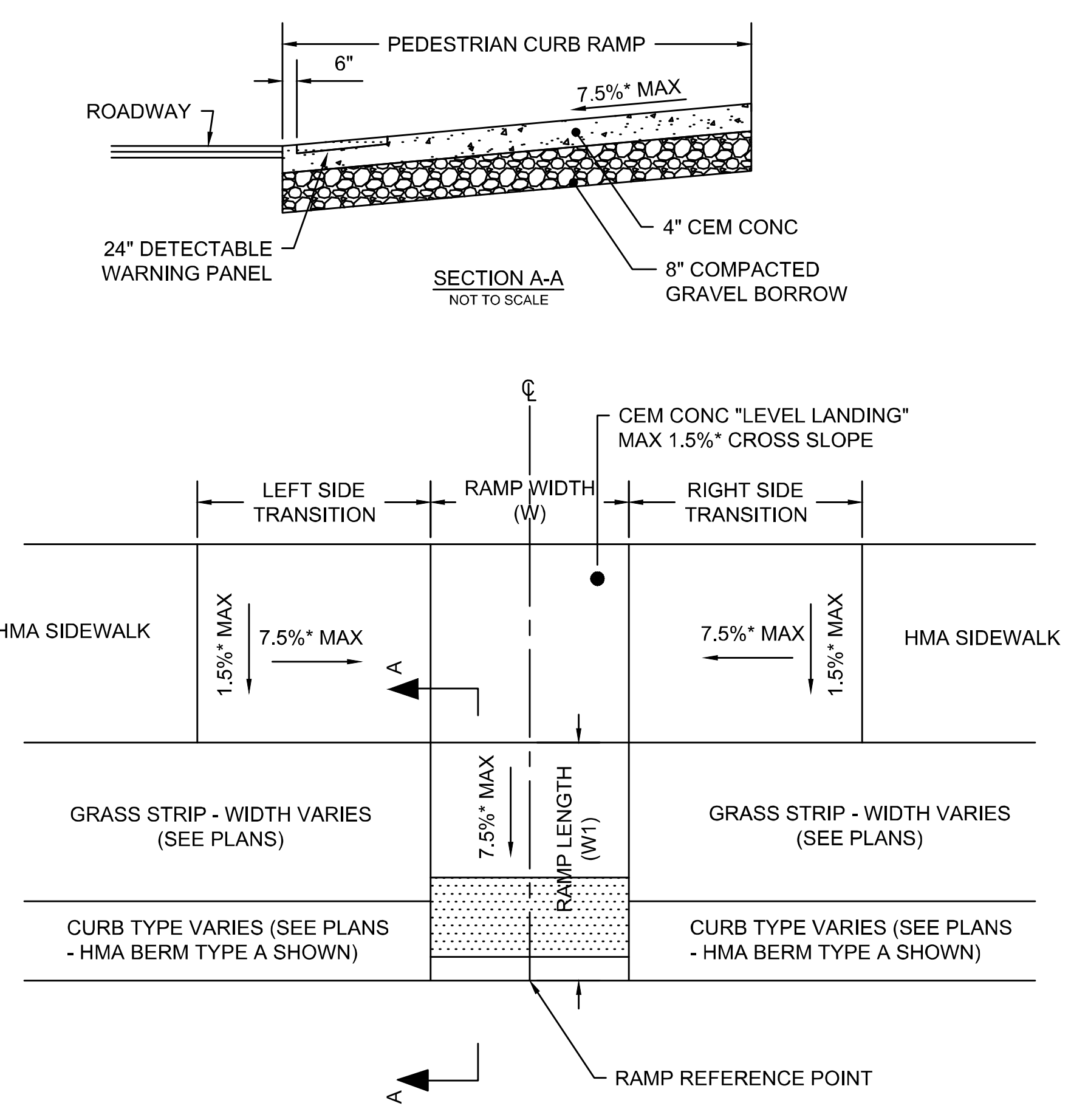


PEDESTRIAN CURB RAMP TYPE D
NOT TO SCALE

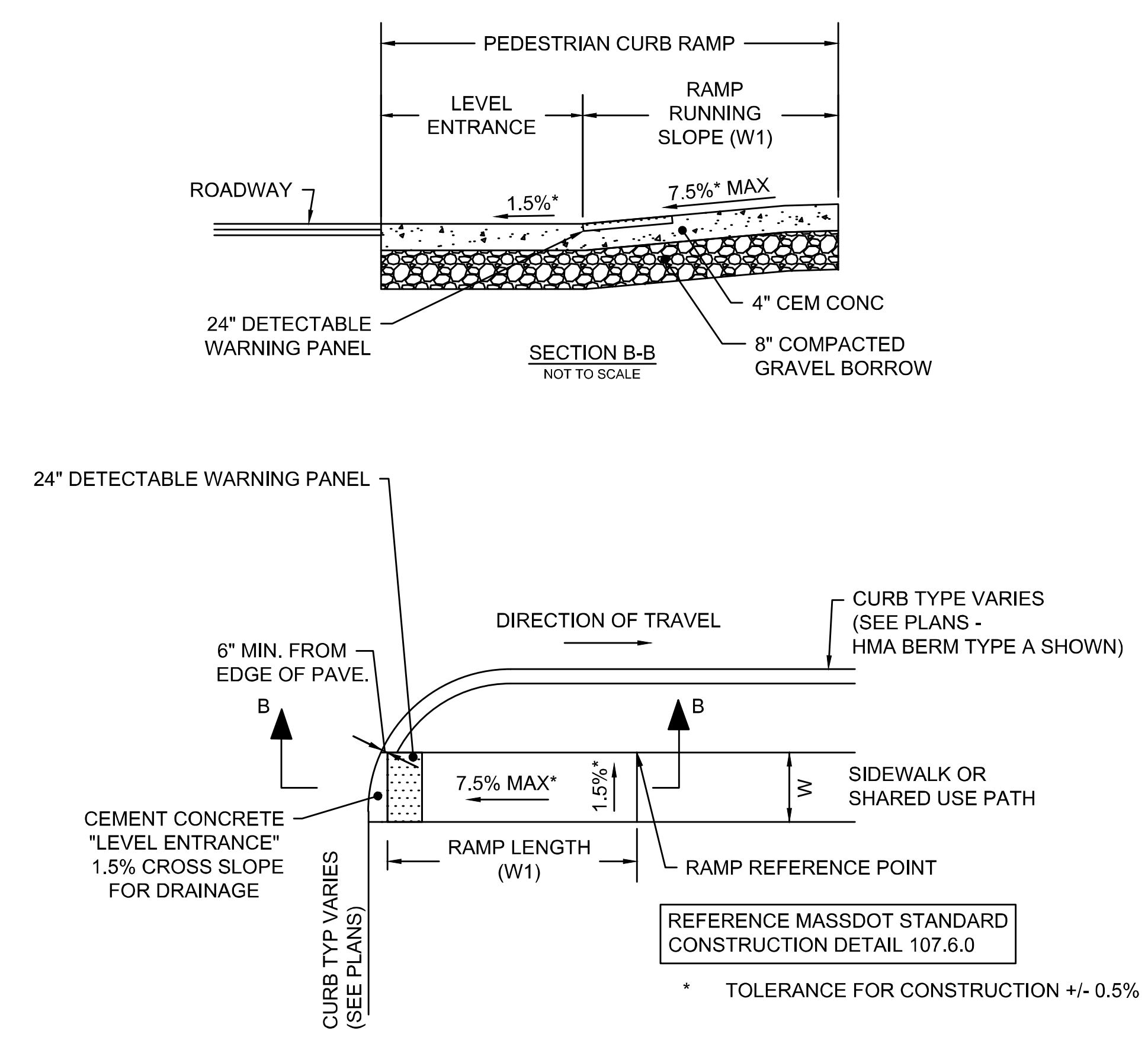
NOTES:

- DETECTABLE WARNING PANELS ARE REQUIRED ON ALL PROPOSED PEDESTRIAN CURB RAMPS AND SHALL BE INSTALLED IN ACCORDANCE WITH MASSDOT STD. DWG. E 107.6.5 DATED OCTOBER 2017 (OR MOST CURRENT).
- UTILITY POLES, LIGHT POLE FOUNDATIONS, MAIL BOXES, AND HYDRANTS THAT ARE TO BE RETAINED OR ADJUSTED SHALL BE REMOVED AND RESET IF FIELD CONDITIONS INDICATE THE CLEAR PATH OF TRAVEL ON THE SIDEWALK IS LESS THAN 36" IN WIDTH.
- ADA/MA AAB REQUIREMENTS SHALL BE FOLLOWED.
- HMA BERM TYPE A SHALL TRANSITION TO BE FLUSH WITH PEDESTRIAN CURB RAMPS, SEE DETAIL SHEET 115.

* TOLERANCE FOR CONSTRUCTION +/- 0.5%



PEDESTRIAN CURB RAMP TYPE A
NOT TO SCALE



PEDESTRIAN CURB RAMP TYPE B
NOT TO SCALE

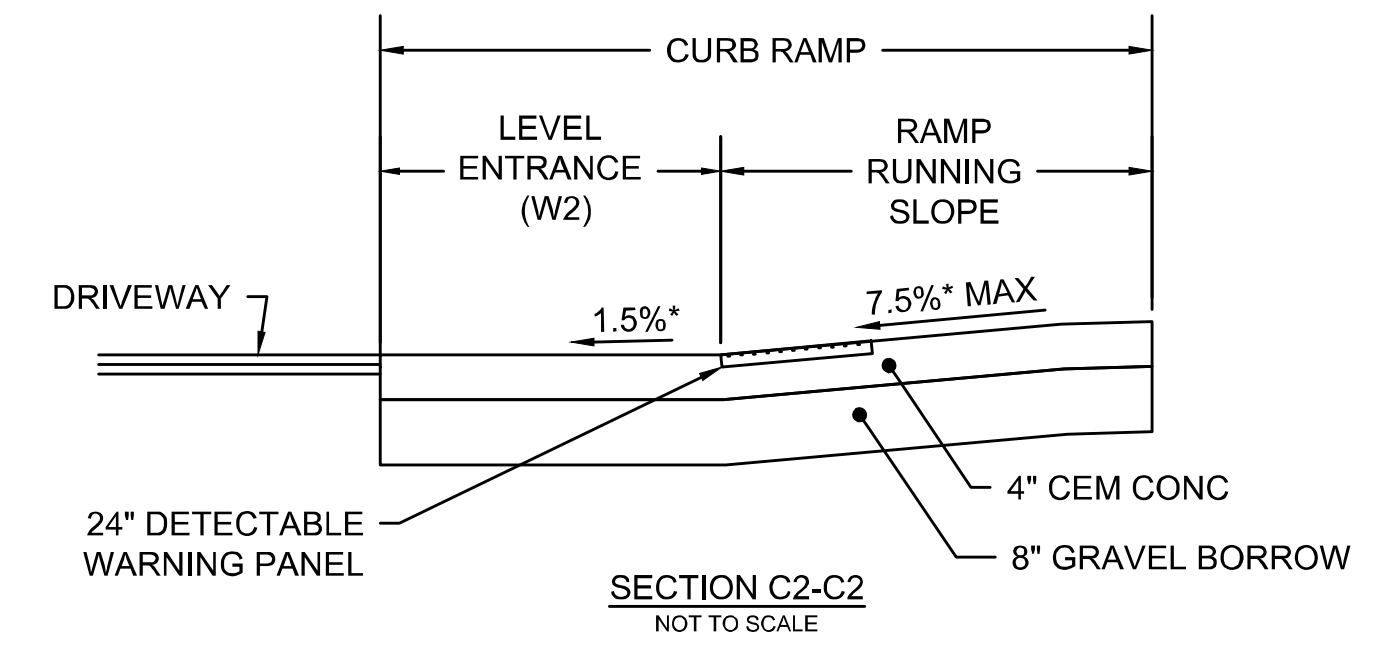
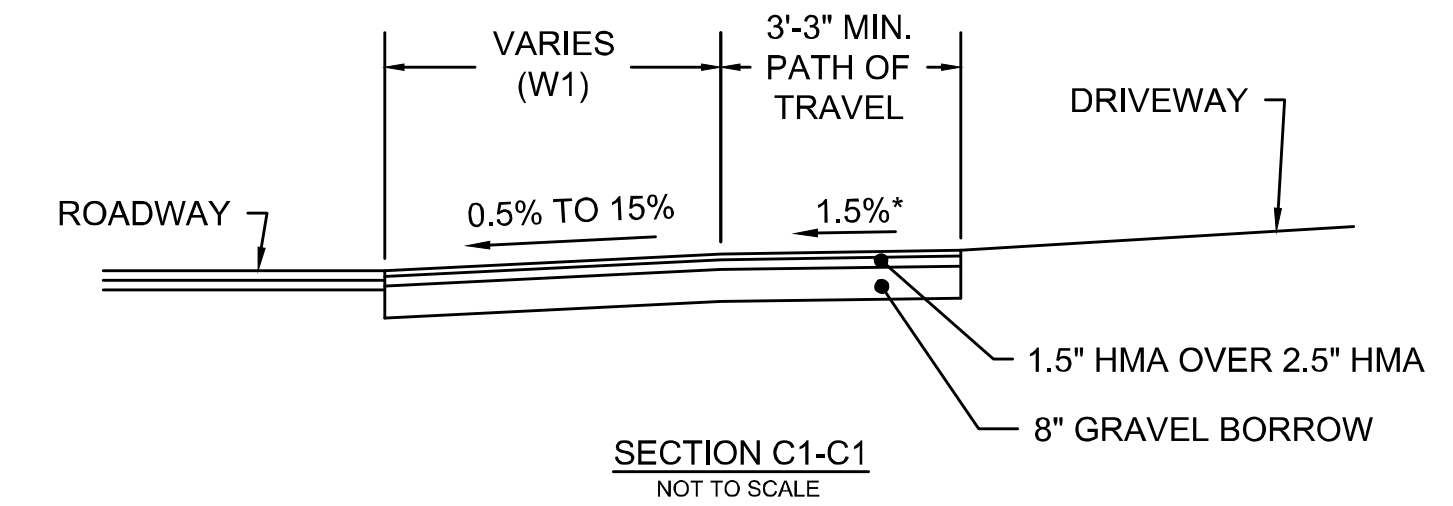
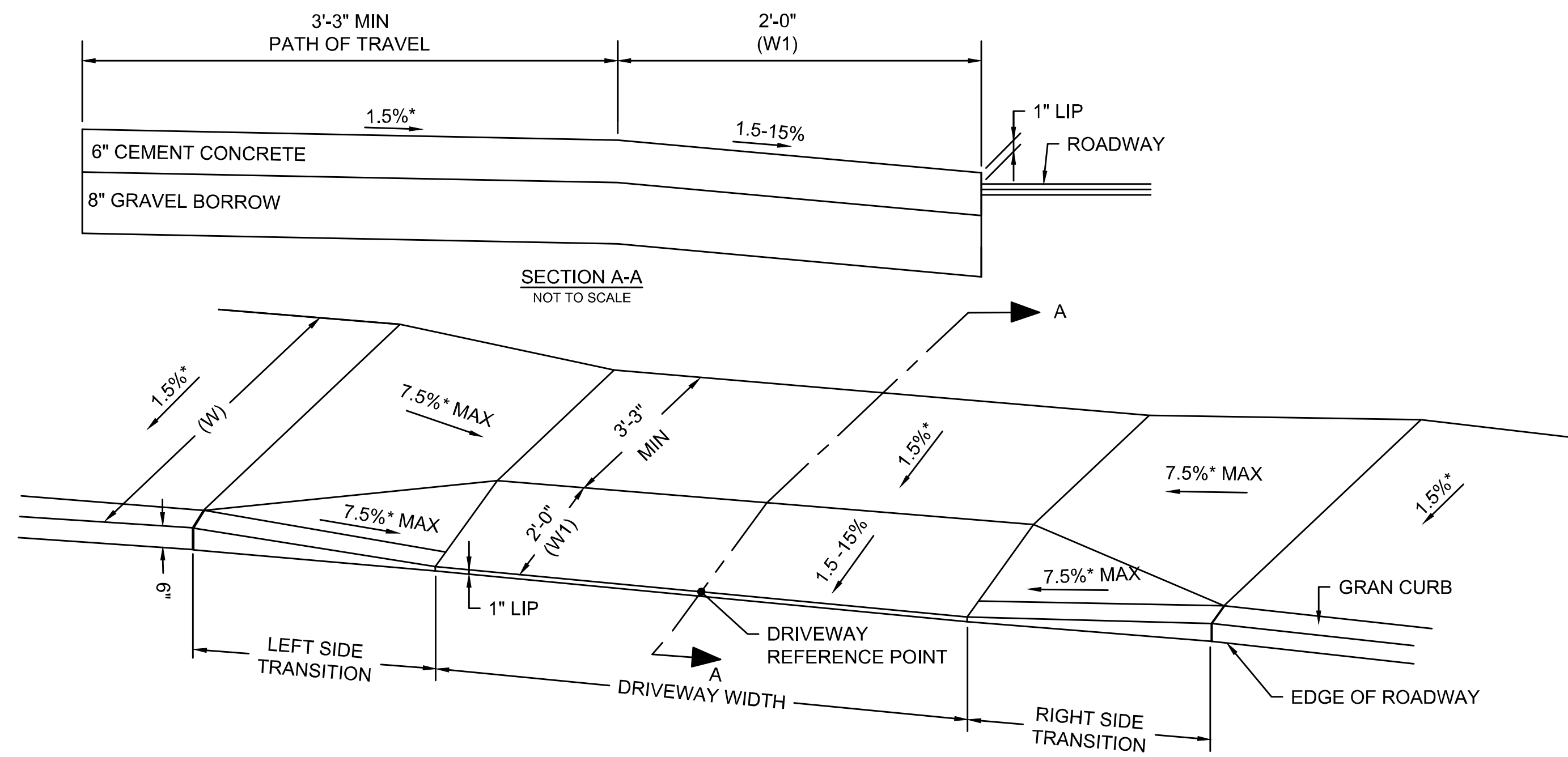
REFERENCE MASSDOT STANDARD
CONSTRUCTION DETAIL 107.6.0

* TOLERANCE FOR CONSTRUCTION +/- 0.5%

**WELLFLEET
ROUTE 6 / MAIN STREET**

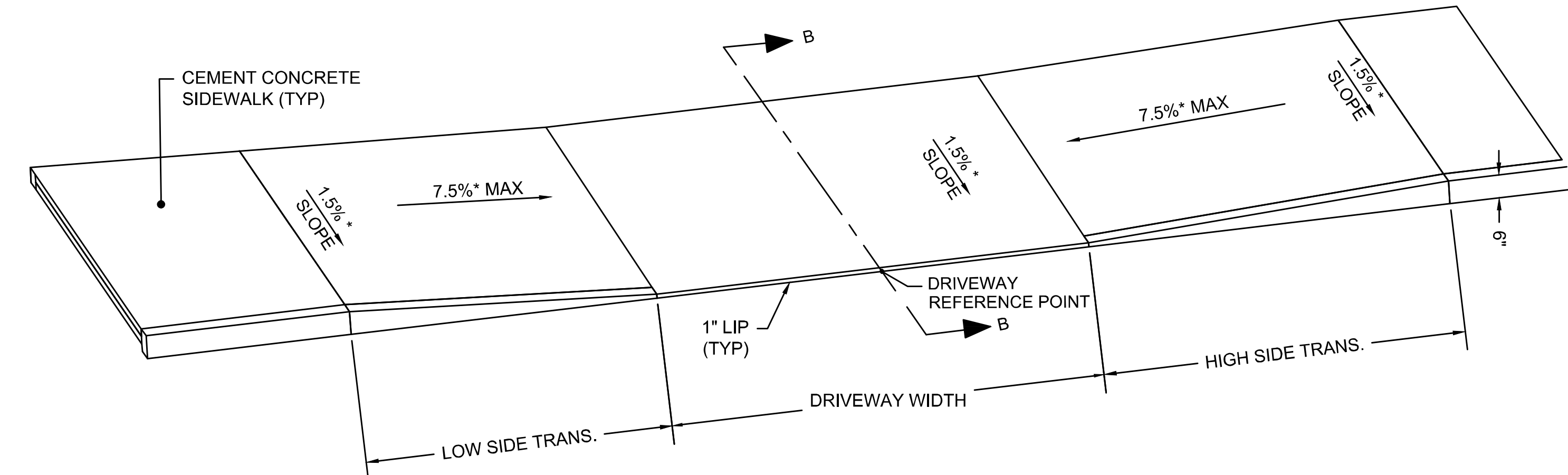
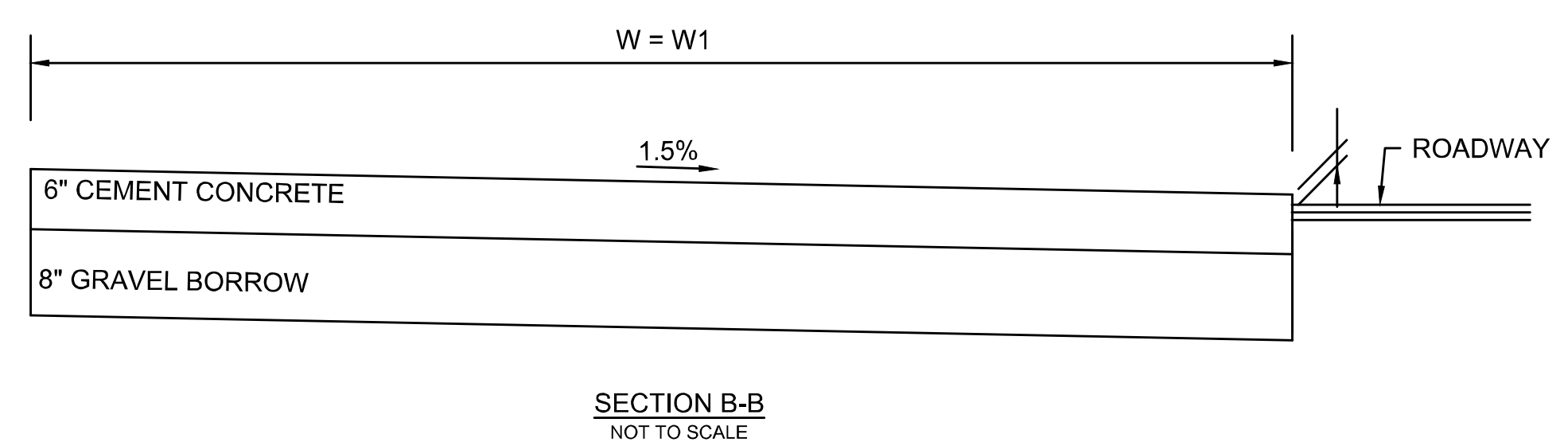
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	119	178
PROJECT FILE NO.		607397	

**CONSTRUCTION DETAILS
PART 5 OF 6**

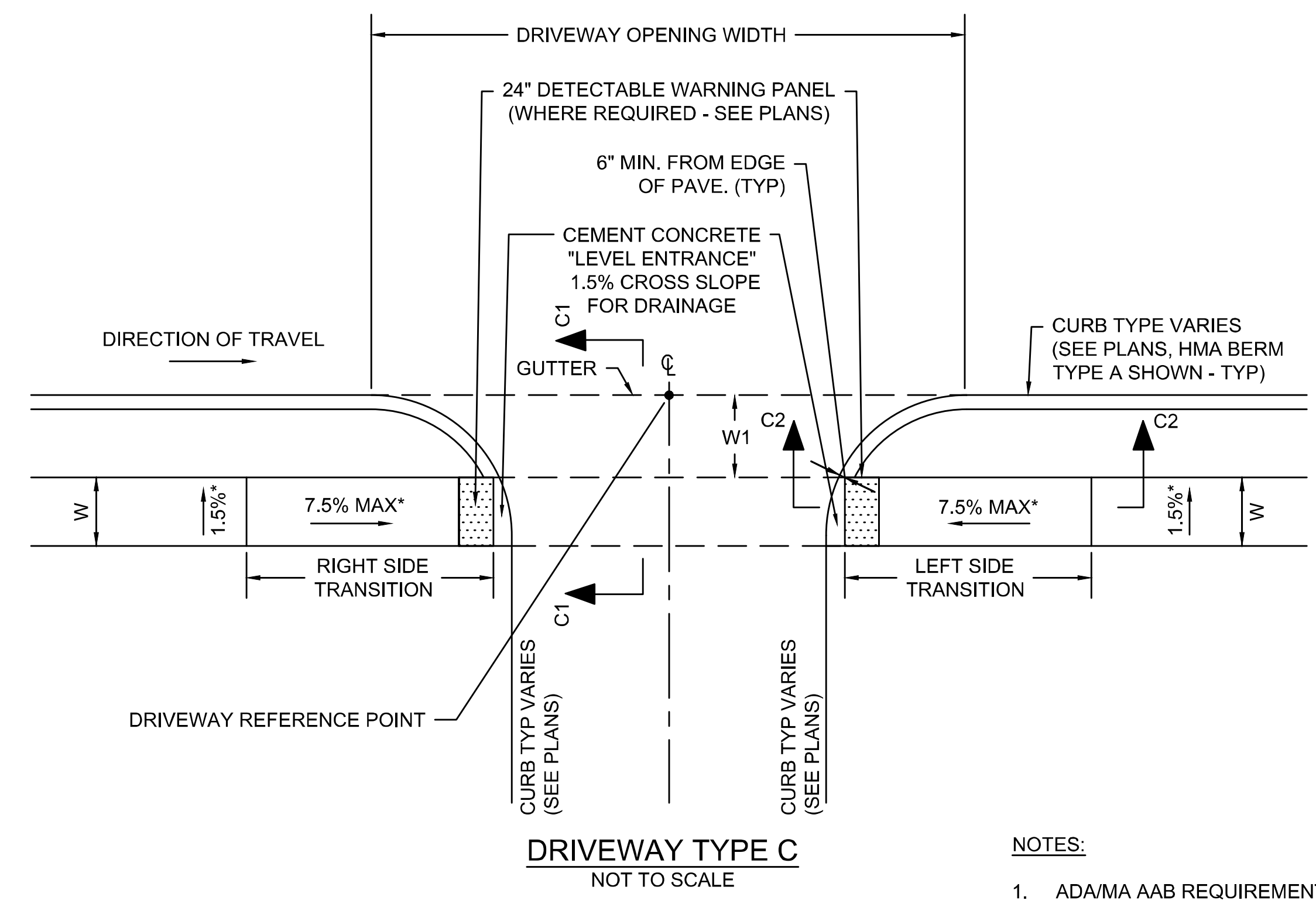


NOTE:
REFERENCE MASSDOT STANDARD CONSTRUCTION DETAIL 107.7.0

CEMENT CONCRETE SIDEWALK AT DRIVEWAY- TYPE A
NOT TO SCALE



CEMENT CONCRETE SIDEWALK AT DRIVEWAY - TYPE B
NOT TO SCALE

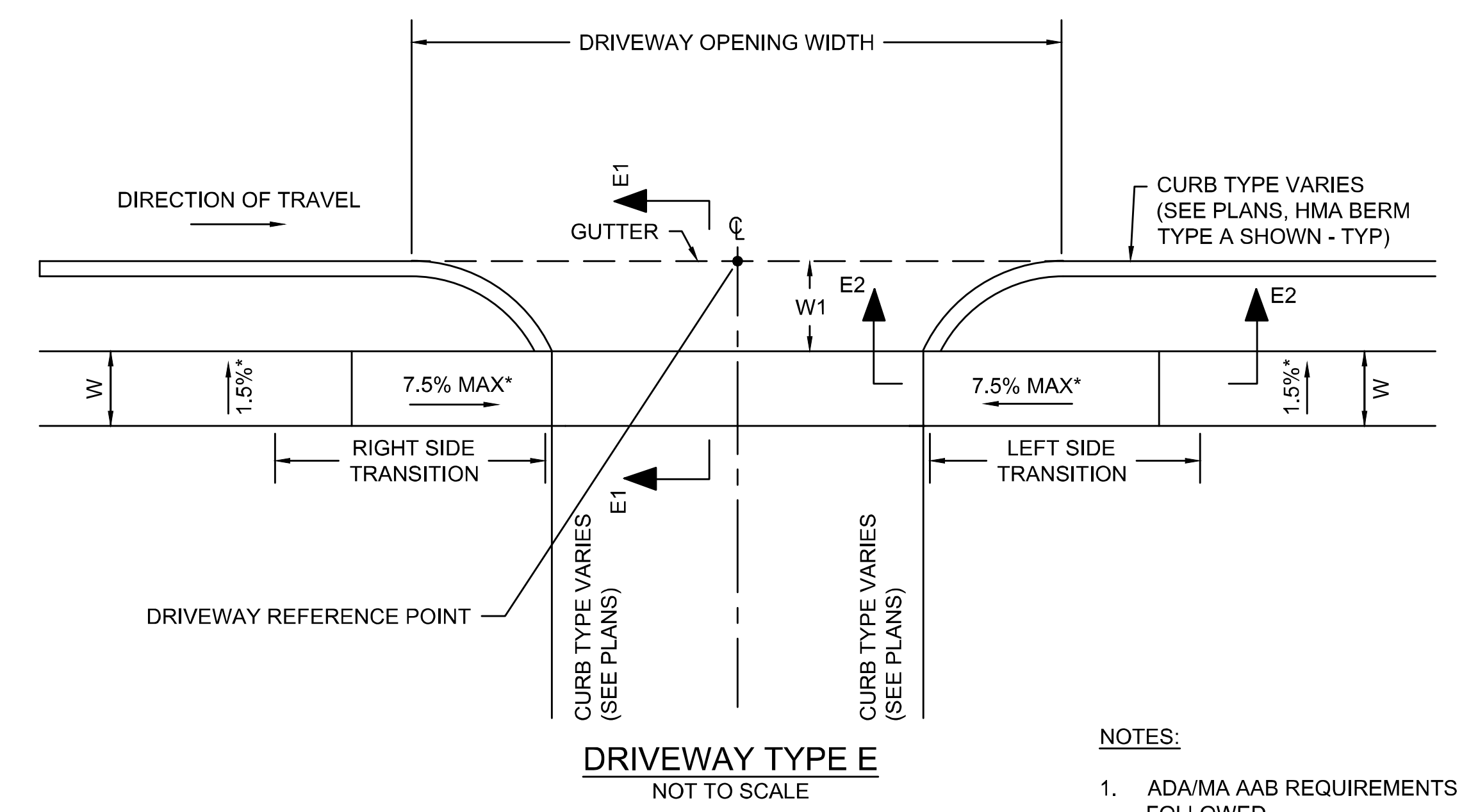
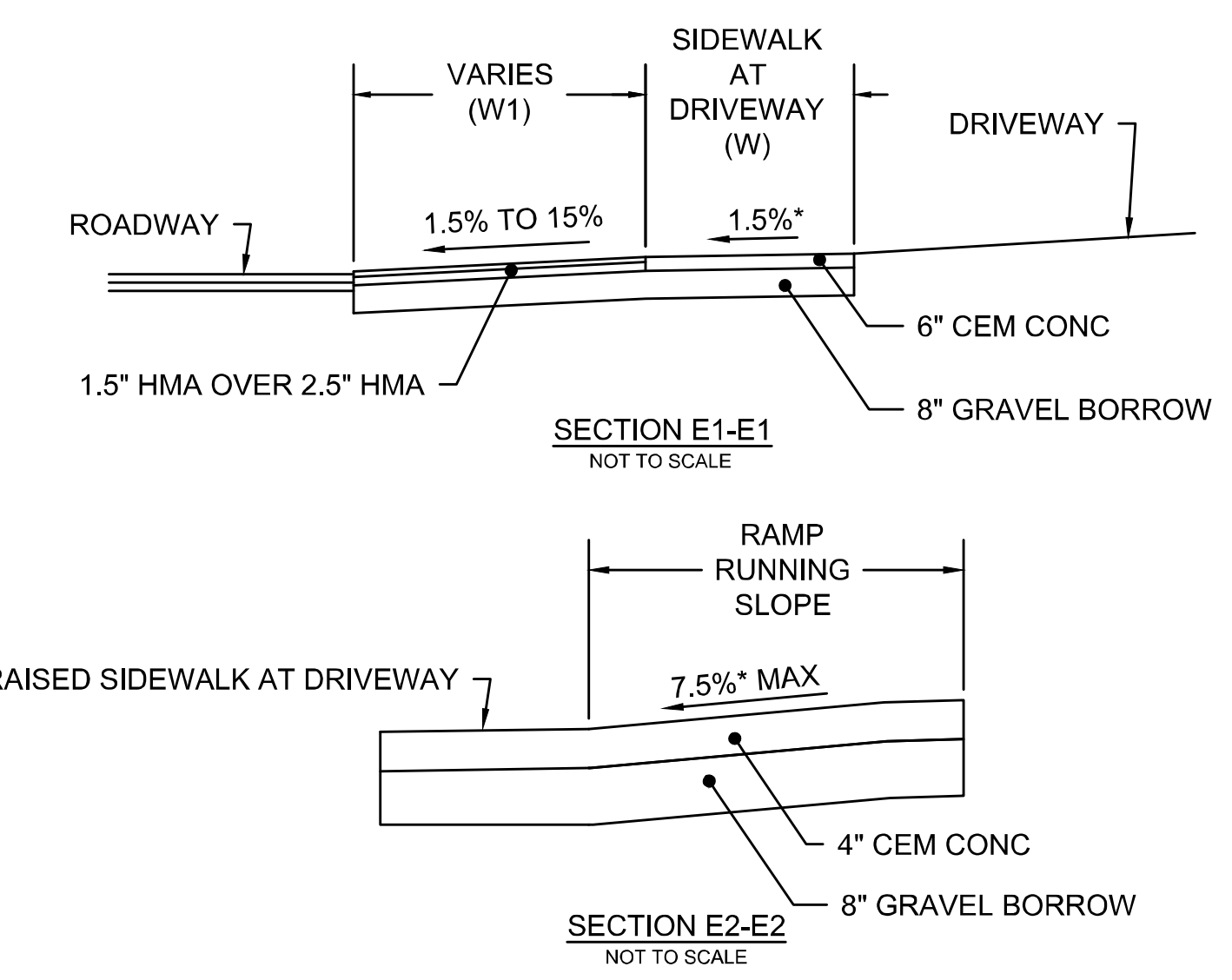
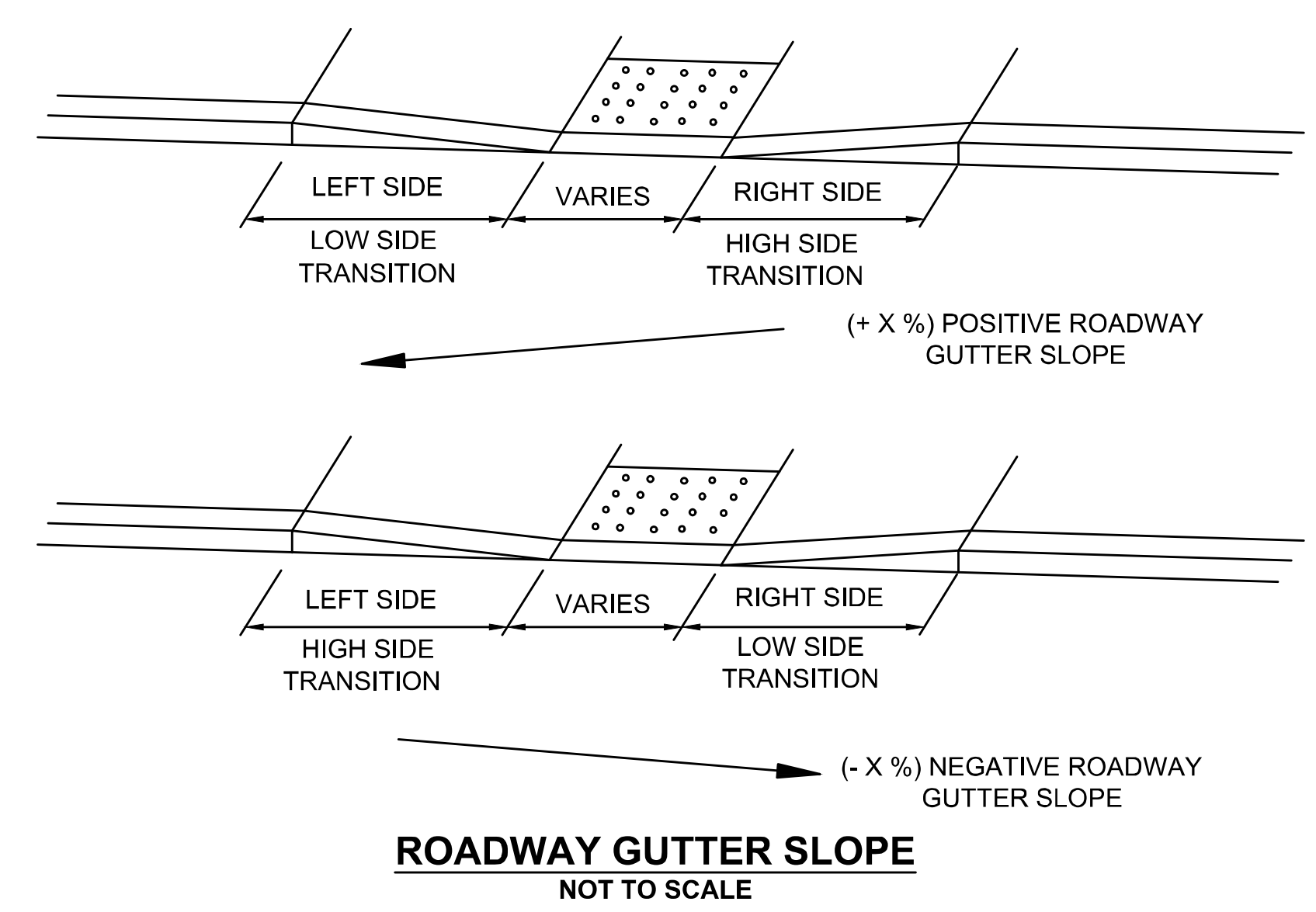
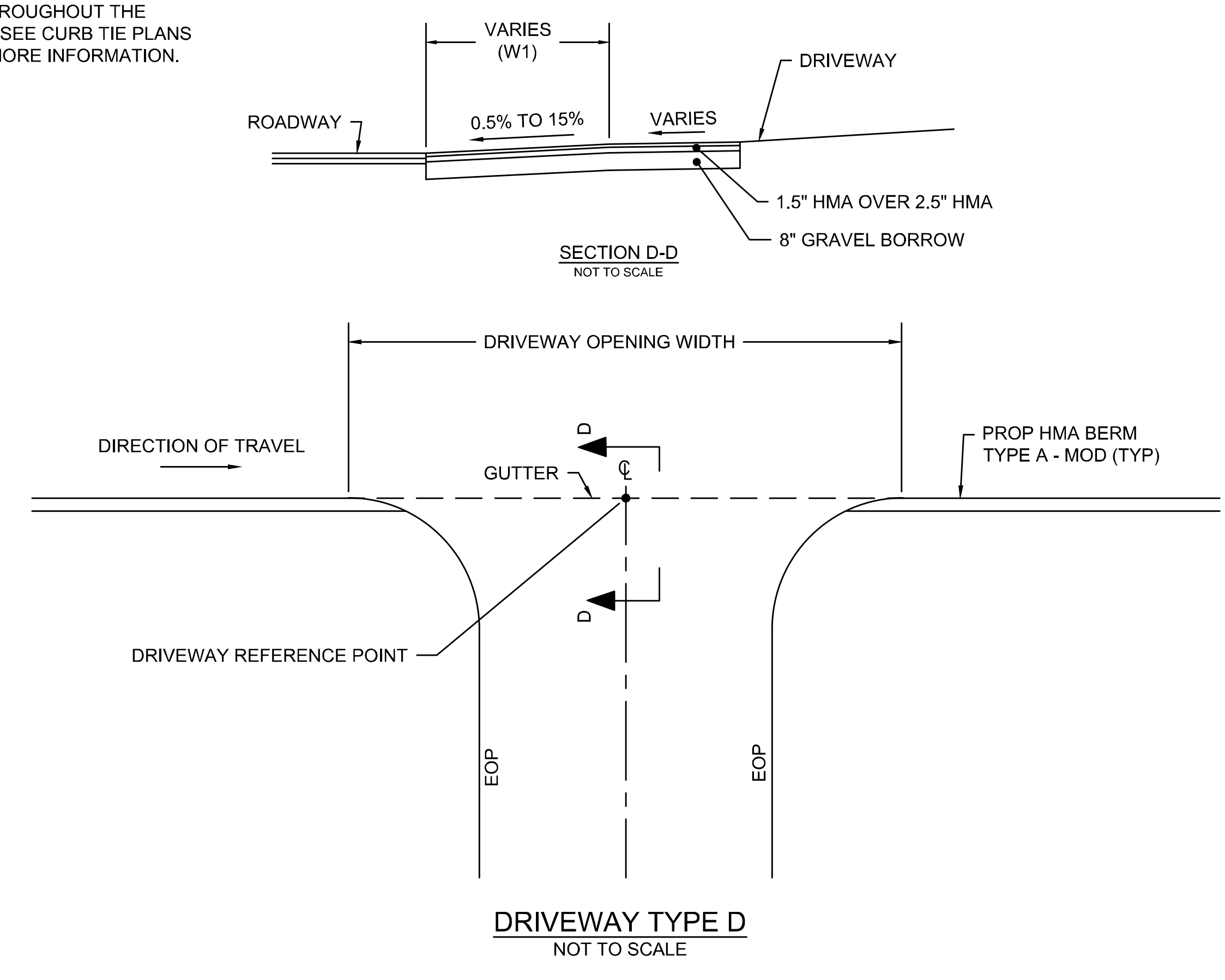


DRIVEWAY TYPE C
NOT TO SCALE

- NOTES:**
1. ADA/MA AAB REQUIREMENTS SHALL BE FOLLOWED.
 2. *TOLERANCE FOR CONSTRUCTION 0.5%±.
 3. DRIVEWAY TREATMENT VARIES BETWEEN HMA, STONE, AND CRUSHED SHELLS. SEE CONSTRUCTION PLANS AND TYPICAL SECTIONS FOR TYPES AND REQUIREMENTS.

DRIVEWAY #	TYPE	DRIVEWAY REFERENCE POINT			DRIVEWAY OPENING WIDTH	WIDTH OF SIDEWALK (W)	W1	PATH OF TRAVEL	ROADWAY GUTTER SLOPE (+/-)	TRANSITION LENGTH				
		BASELINE	STATION	OFFSET						LEFT SIDE	RIGHT SIDE			
												LT	RT	
1	E	ROUTE 6	13+61.38	18.00'	LT	57.41'	5.00'	5.00'	5.00'	-0.83%	7.67'	6.50'		
2	E	ROUTE 6	14+76.09	18.00'	LT	33.31'	5.00'	5.00'	5.00'	-1.97%	9.00'	6.50'		
3	E	ROUTE 6	15+59.89	18.00'	RT	43.62'	6.50'	5.00'	6.50'	1.97%	6.50'	9.00'		
4	E	ROUTE 6	15+99.12	18.00'	RT	34.54'	6.50'	5.00'	6.50'	1.97%	6.50'	9.00'		
5	E	ROUTE 6	17+09.77	18.00'	RT	35.24'	6.50'	5.00'	6.50'	1.97%	6.50'	9.00'		
6	E	ROUTE 6	17+56.70	18.00'	RT	58.43'	6.50'	5.00'	6.50'	1.97%	6.50'	9.00'		
7	E	ROUTE 6	19+27.11	18.00'	RT	86.24'	6.50'	5.00'	6.50'	1.83%	6.50'	9.00'		
8	E	ROUTE 6	19+65.99	19.00'	LT	28.15'	5.00'	VARIABLES**	5.00'	-1.45%	9.00'	3.25'		
9	E	ROUTE 6	19+95.86	19.60'	LT	31.60'	5.00'	VARIABLES**	5.00'	-1.17%	4.50'	6.50'		
10	E	ROUTE 6	21+07.91	18.00'	RT	88.29'	6.50'	5.00'	6.50'	0.10%	7.67'	7.67'		
11	E	ROUTE 6	21+55.47	22.79'	LT	50.00'	5.00'	3.50'	5.00'	0.36%	6.50'	7.67'		
12	E	ROUTE 6	22+31.23	24.30'	LT	42.24'	5.00'	3.50'	5.00'	1.08%	6.50'	9.00'		
13	E	ROUTE 6	22+92.88	18.00'	RT	67.93'	6.50'	5.00'	6.50'	-1.28%	9.00'	6.50'		
14	E	ROUTE 6	22+89.14	25.46'	LT	59.73'	5.00'	3.50'	5.00'	1.28%	6.50'	9.00'		
15	E	ROUTE 6	23+94.10	27.56'	LT	62.27'	5.00'	VARIABLES**	5.00'	1.28%	6.50'	9.00'		
16	E	ROUTE 6	24+65.14	18.00'	RT	69.57'	6.50'	5.00'	6.50'	-1.28%	9.00'	6.50'		
17	E	ROUTE 6	27+56.15	29.00'	LT	54.15'	5.00'	4.10'	5.00'	-0.06%	6.50'	6.50'		
18	E	ROUTE 6	29+04.33	29.00'	LT	74.60'	5.00'	4.10'	5.00'	-0.81%	7.67'	6.50'		
19	E	ROUTE 6	29+93.69	18.00'	RT	35.88'	6.50'	5.00'	6.50'	0.96%	6.50'	7.67'		
20	C	ROUTE 6	31+42.63	18.00'	RT	90.64'	6.50'	10.00'	6.50'	1.70%	6.50'	9.00'		
21	E	ROUTE 6	33+53.92	18.00'	RT	62.95'	6.50'	5.00'	6.50'	1.70%	6.50'	9.00'		
22	E	ROUTE 6	35+02.21	18.00'	RT	62.94'	6.50'	5.00'	6.50'	1.33%	6.50'	7.67'		
23	E	ROUTE 6	36+16.18	18.00'	RT	55.11'	6.50'	5.00'	6.50'	0.15%	7.67'	7.67'		
24	E	ROUTE 6	37+93.14	18.00'	RT	131.38'	6.50'	5.00'	6.50'	-1.69%	9.00'	6.50'		
25	B	MAIN STREET	101+82.46	13.76'	RT	47.29'	5.50'	5.50'	5.00'	0.86%	6.50'	9.00'		
26	B	MAIN STREET	102+95.82	13.00'	RT	20.40'	5.50'	5.50'	5.00'	-1.98%	9.00'	6.50'		
27	A	MAIN STREET	103+59.81	13.00'	RT	18.08'	5.50'	2.00'	3.50'	-2.46%	11.00'	6.50'		
28	D	MAIN STREET	104+53.02	13.00'	LT	20.06'	N/A	N/A	N/A	4.15%	-	-		
29	B	MAIN STREET	104+70.57	13.00'	RT	80.66'	5.50'	5.50'	5.00'	-4.27%	7.50' (3" REVEAL)	6.50'		
30	D	MAIN STREET	105+42.49	13.00'	LT	15.57'	N/A	N/A	N/A	4.27%	-	-		
31	B	MAIN STREET	105+71.62	13.00'	RT	90.65'	5.50'	5.50'	5.00'	-3.74%	5.50' (3" REVEAL)	3.25' (3" REVEAL)		
31A	N/A	MAIN STREET	106+46.98	13.33'	RT	N/A	5.50'	5.50'	N/A	-1.24%	N/A	3.25' (3" REVEAL)		
32	E	ROUTE 6	12+96.58	18.00'	RT	64.82'	6.50'	5.00'	6.50'	0.65%	6.50'	7.67'		
33						NOT USED								
34	D	ROUTE 6	40+63.30	18.00'	RT	32.16'	N/A	N/A	N/A	4.00%	-	-		
35	E	ROUTE 6	12+42.94	18.00'	LT	41.58'	5.00'	5.00'	5.00'	-0.30%	7.67'	6.50'		
36	C	ROUTE 6	10+91.62	19.00'	RT	33.45'	6.50'	4.60'	6.50'	-0.73%	6.50'	7.67'		

** W1 WIDTH VARIES THROUGHOUT THE DRIVEWAY OPENING. SEE CURB TIE PLANS SHEETS 33 - 38 FOR MORE INFORMATION.



WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	120	178
PROJECT FILE NO. 607397			

CONSTRUCTION DETAILS
PART 6 OF 6

- NOTES:**
1. ADA/MA AAB REQUIREMENTS SHALL BE FOLLOWED.
 2. *TOLERANCE FOR CONSTRUCTION 0.5%±.
 3. DRIVEWAY TREATMENT VARIES BETWEEN HMA, STONE, AND CRUSHED SHELLS. SEE CONSTRUCTION PLANS AND TYPICAL SECTIONS FOR TYPES AND REQUIREMENTS.

**WELLFLEET
ROUTE 6 / MAIN STREET**

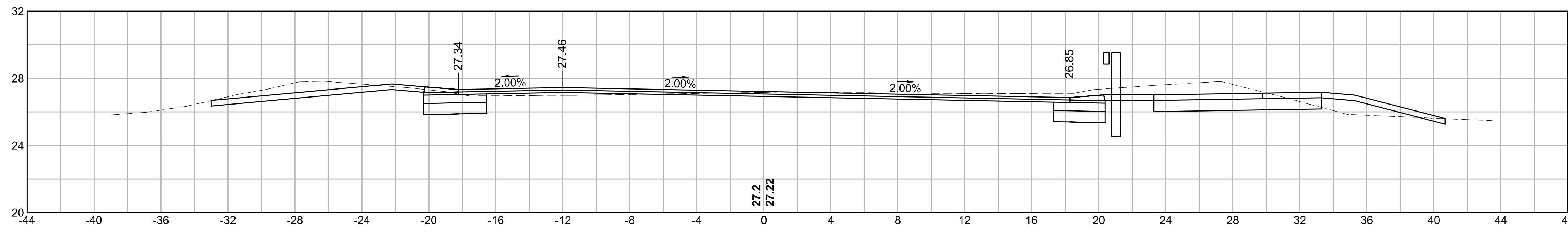
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	121	178
PROJECT FILE NO.		607397	

**CROSS SECTIONS
ROUTE 6
PART 1 OF 51**

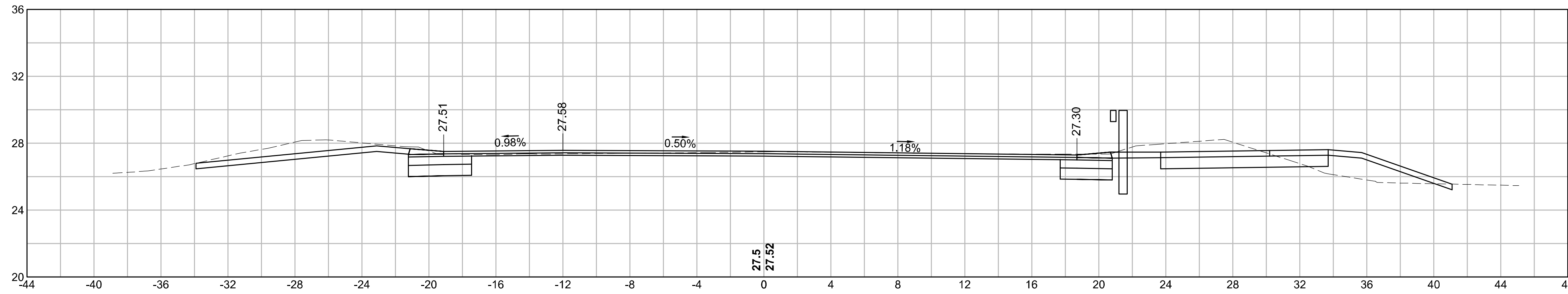
CUT: 32.76 SF
FILL: 3.11 SF

CUT: 31.65 SF
FILL: 5.74 SF

CUT: 20.70 SF
FILL: 0.00 SF

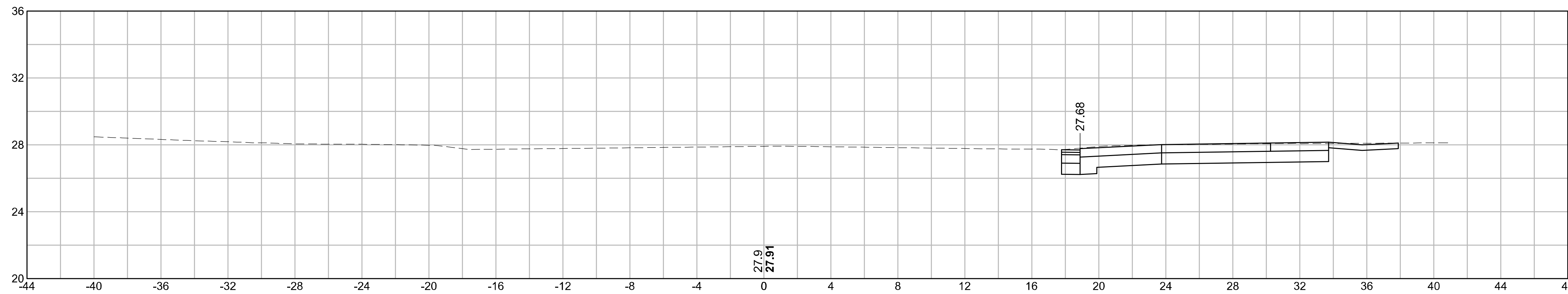


11+50

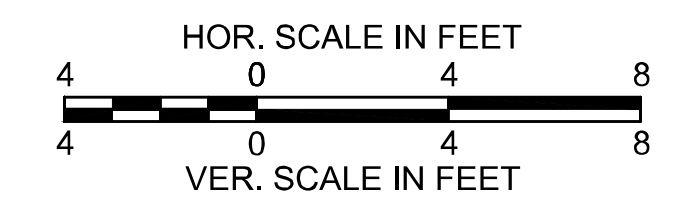
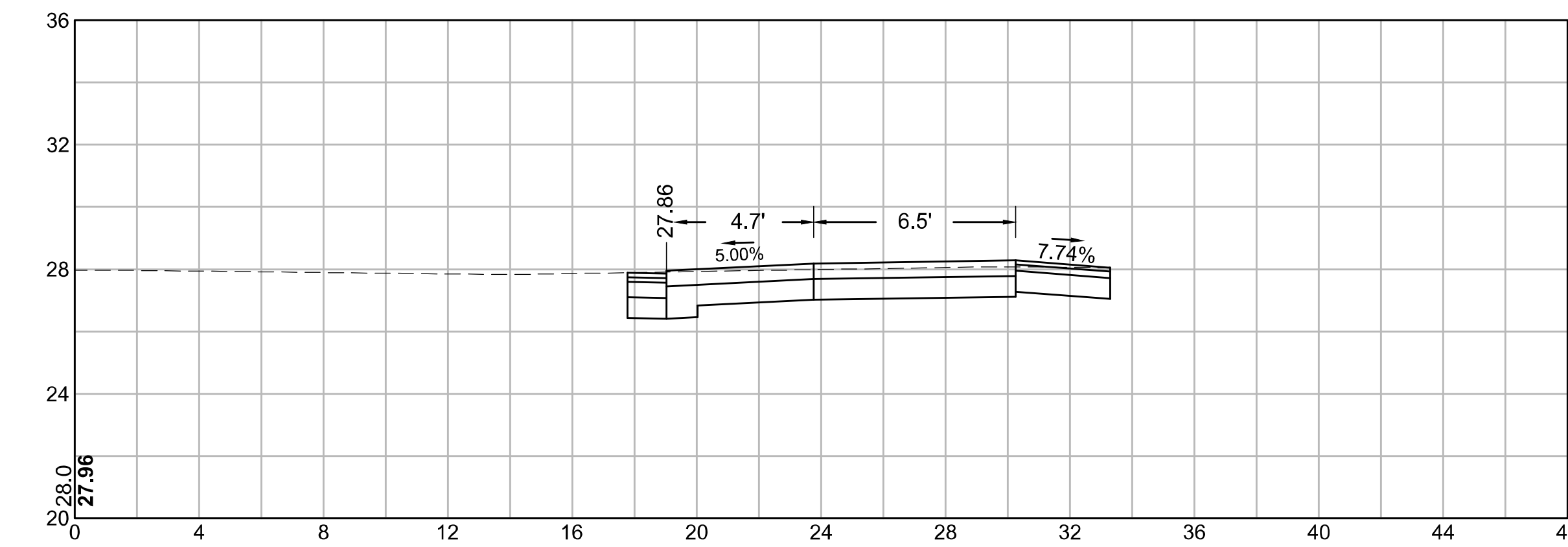


11+00

STA 11+13.60
R = 6137.50'
PCC: STA 12+00.00
eD = VARIES (0.6%/0.9% TO 2.00%)



10+90

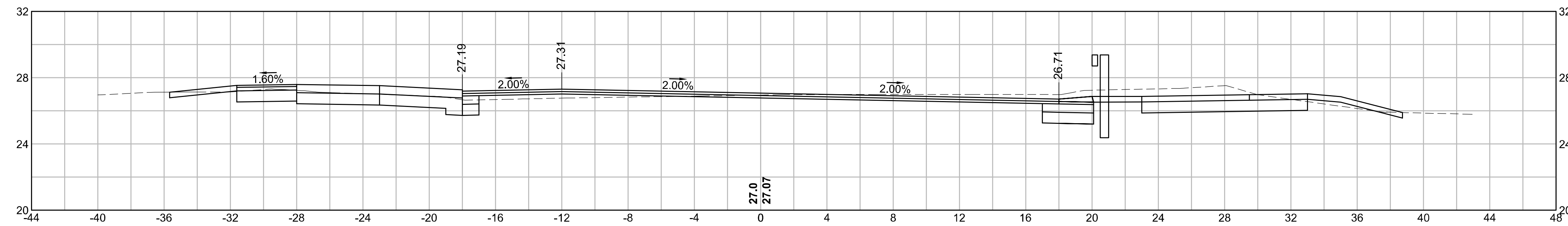


WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	122	178
PROJECT FILE NO.		607397	

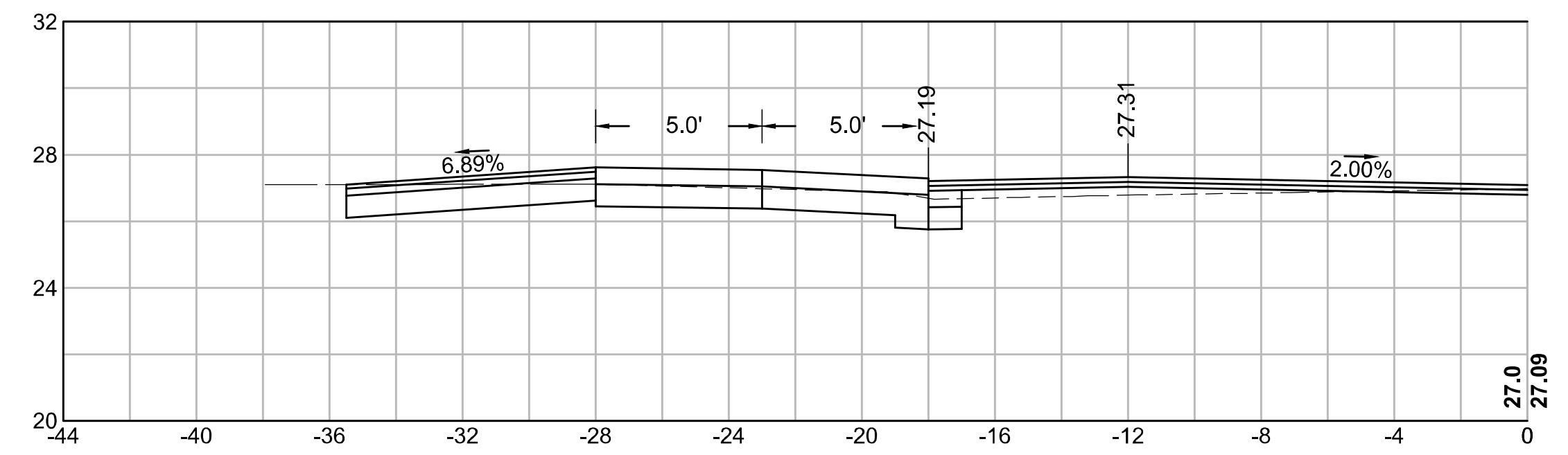
CROSS SECTIONS
ROUTE 6
PART 2 OF 51

12+50

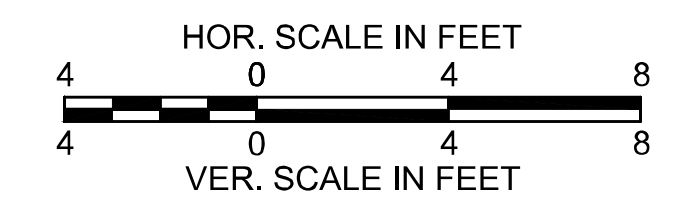


CUT: 29.03 SF
FILL: 1.07 SF

12+45



STA 12+00.00
R = 6137.50'
PCC: STA 13+28.59
eD = 2.00%



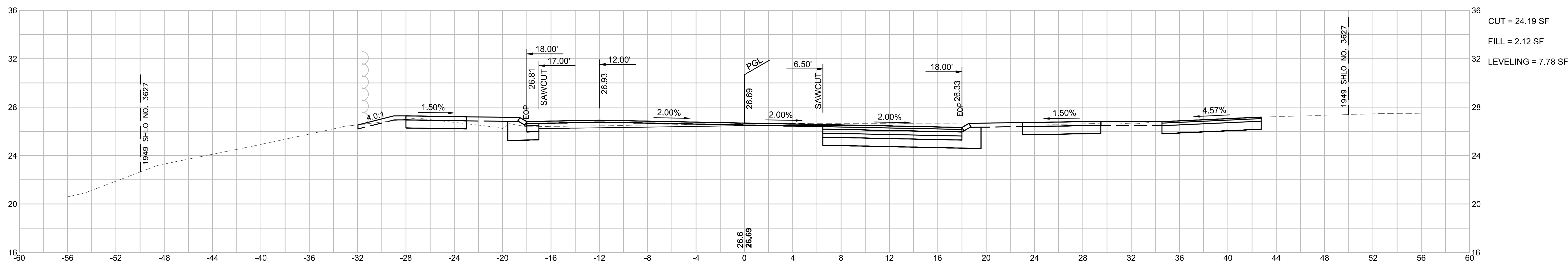
**WELLFLEET
ROUTE 6 / MAIN STREET**

SHEET	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	123	178
PROJECT FILE NO.		607397	

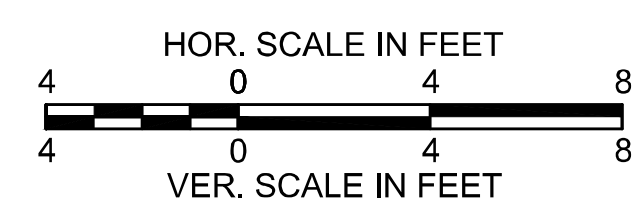
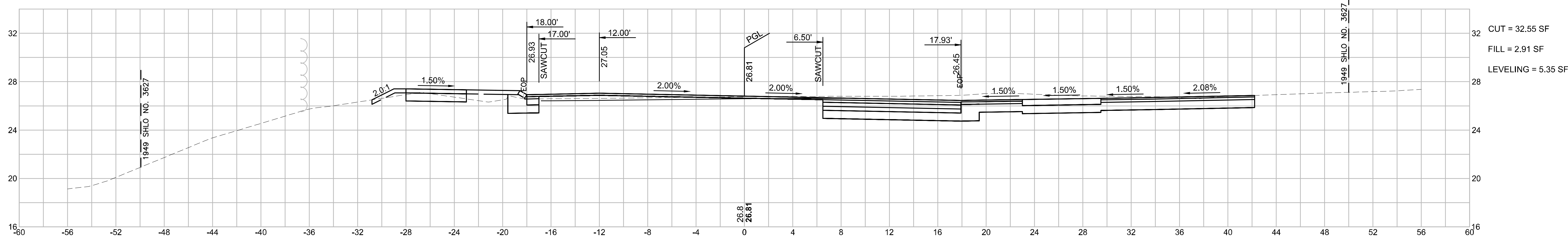
**CROSS SECTIONS
ROUTE 6
PART 3 OF 51**

PCC: STA 13+28.59
R = 4800.00'
PT: 17+37.29
e₀ = 2.00%

13+28.59



13+00



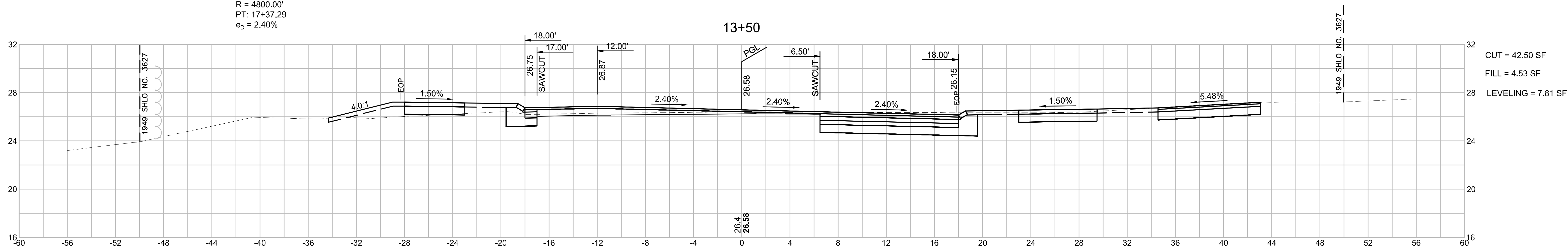
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	124	178
PROJECT FILE NO.		607397	

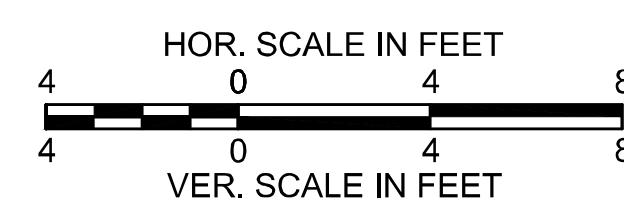
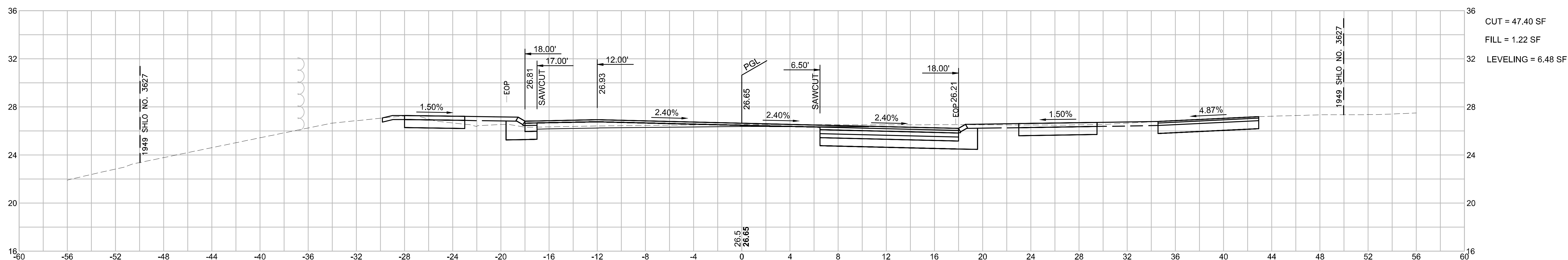
CROSS SECTIONS
ROUTE 6
PART 4 OF 51

PCC: STA 13+28.59
R = 4800.00'
PT: 17+37.29
e₀ = 2.40%

13+50



13+38.59



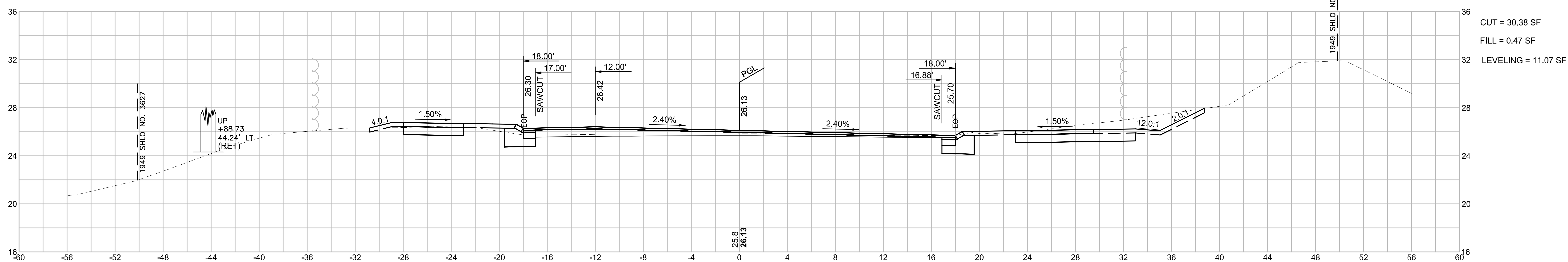
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	125	178
PROJECT FILE NO.		607397	

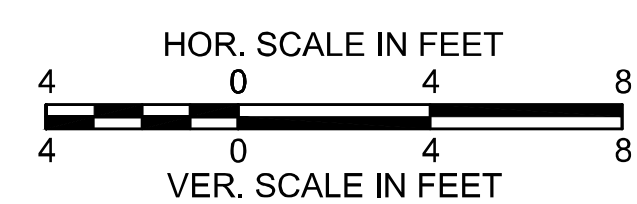
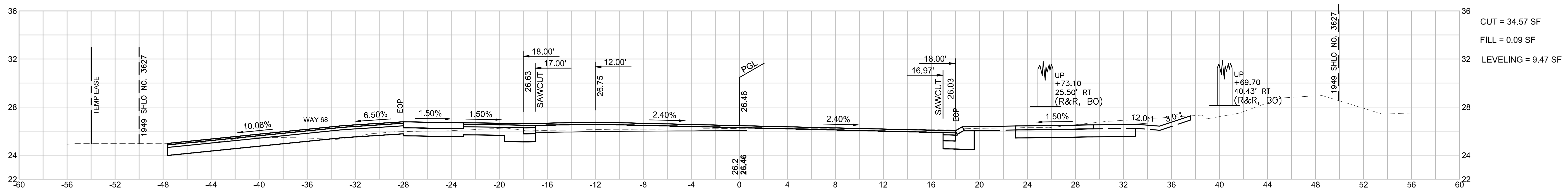
CROSS SECTIONS
ROUTE 6
PART 5 OF 51

PCC: STA 13+28.59
R = 4800.00'
PT: 17+37.29
 $e_0 = 2.40\%$

14+00



13+66



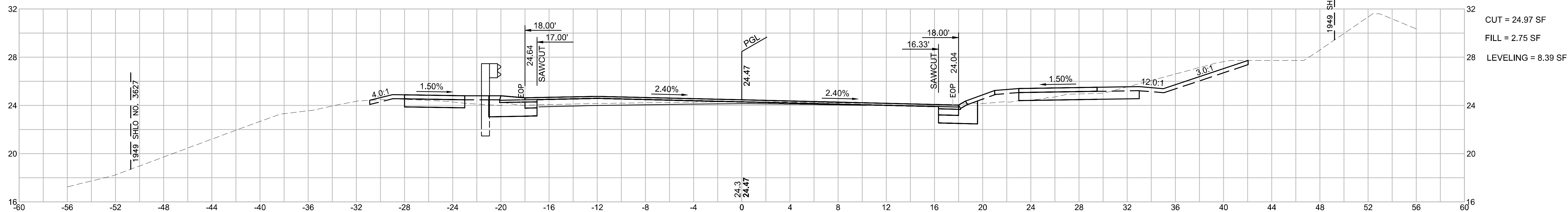
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	126	178
PROJECT FILE NO.		607397	

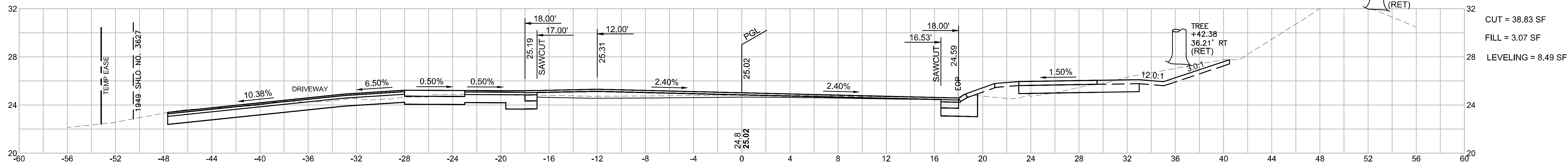
CROSS SECTIONS
ROUTE 6
PART 6 OF 51

PCC: STA 13+28.59
R = 4800.00'
PT: 17+37.29
e₀ = 2.40%

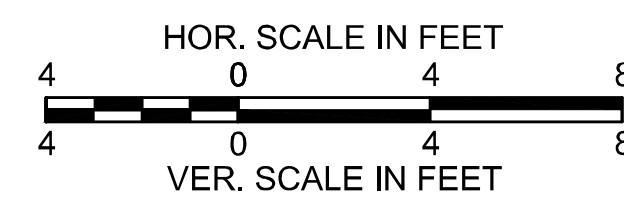
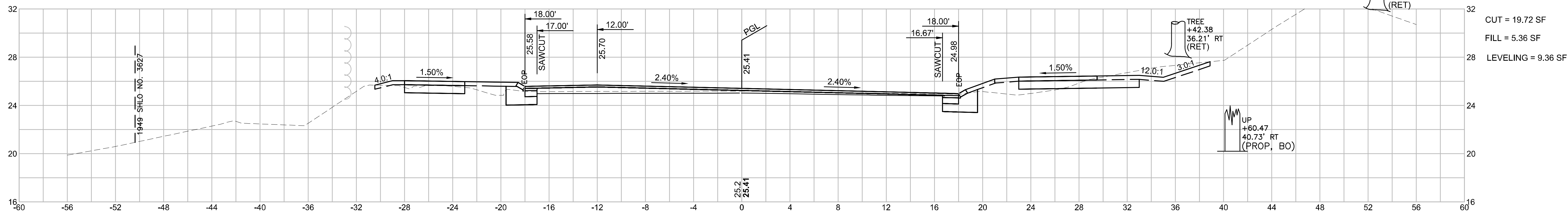
15+00



14+72



14+50



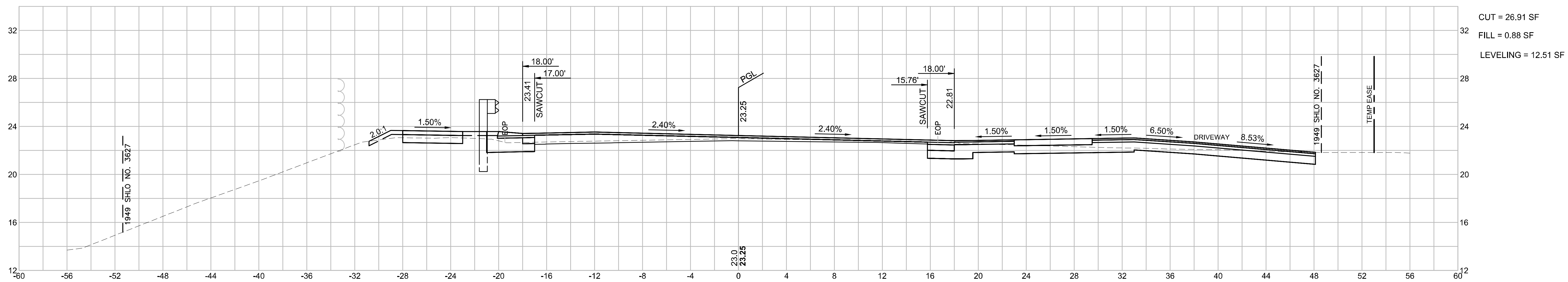
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(05)X	127	178
PROJECT FILE NO.		607397	

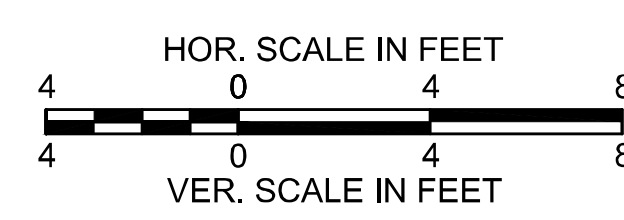
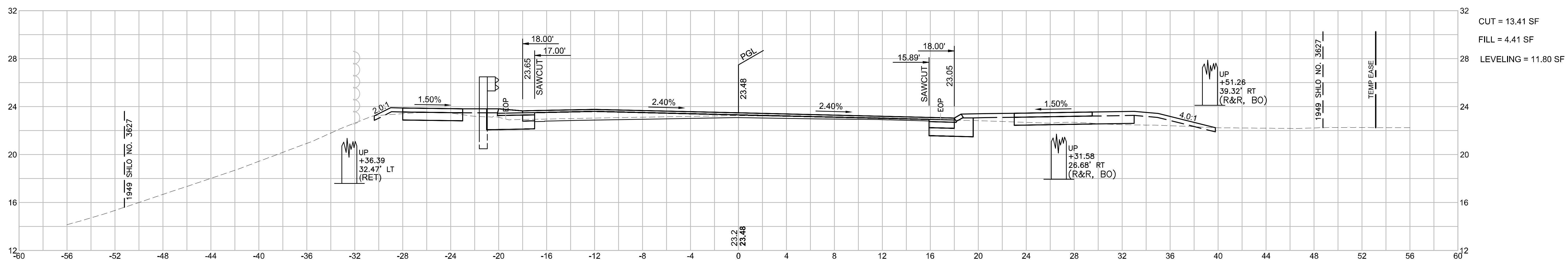
CROSS SECTIONS
ROUTE 6
PART 7 OF 51

PCC: STA 13+28.59
R = 4800.00'
PT: 17+37.29
e_b = 2.40%

15+62



15+50



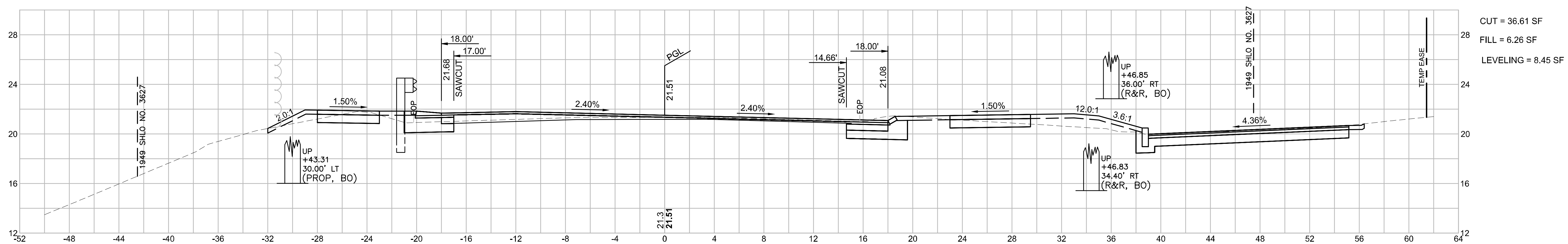
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	128	178
PROJECT FILE NO.		607397	

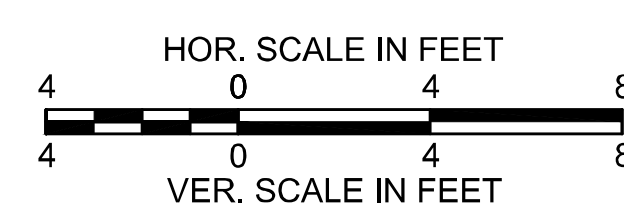
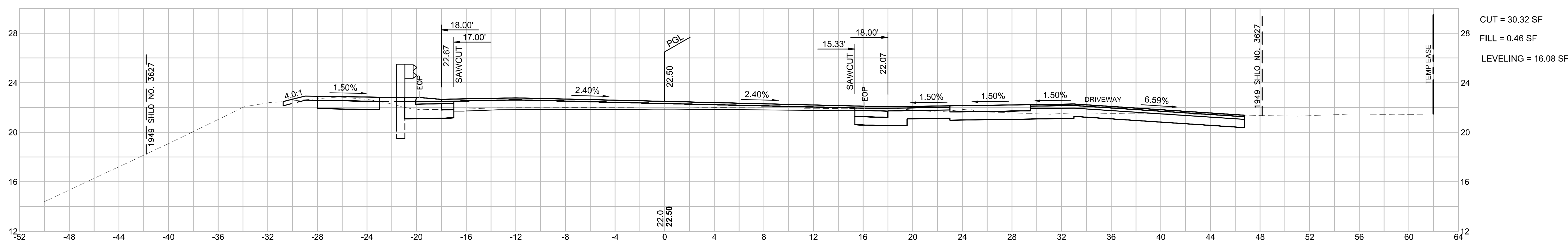
**CROSS SECTIONS
ROUTE 6
PART 8 OF 51**

PCC: STA 13+28.59
R = 4800.00'
PT: 17+37.29
e₀ = 2.40%

16+50



16+00



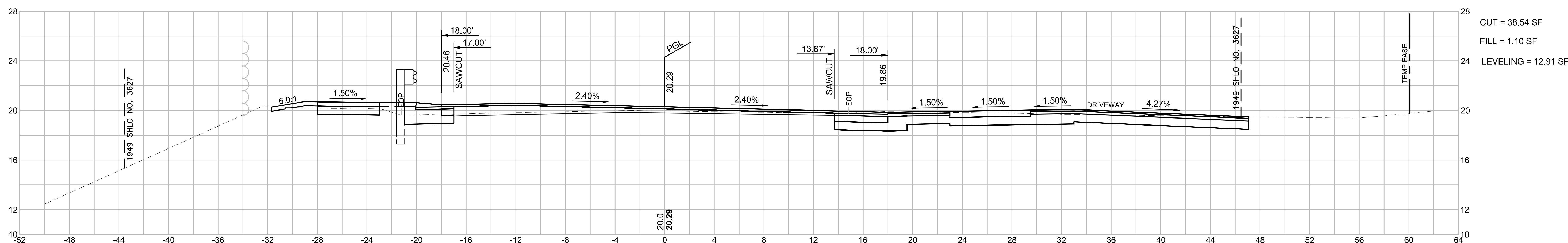
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	129	178
PROJECT FILE NO.		607397	

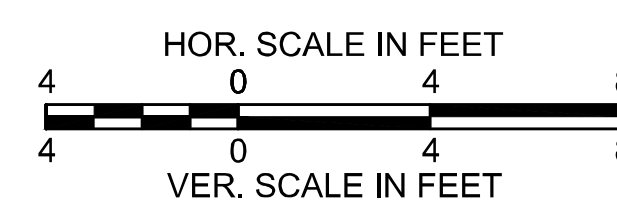
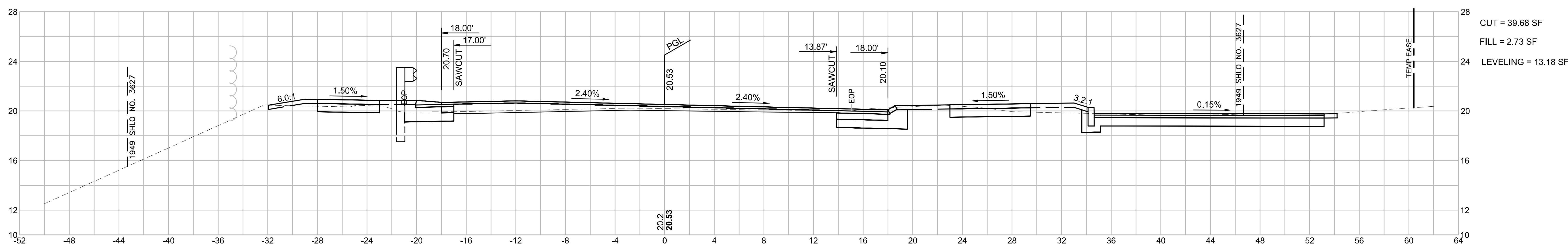
**CROSS SECTIONS
ROUTE 6
PART 9 OF 51**

PCC: STA 13+28.59
R = 4800.00'
PT: 17+37.29
e₀ = 2.40%

17+12



17+00



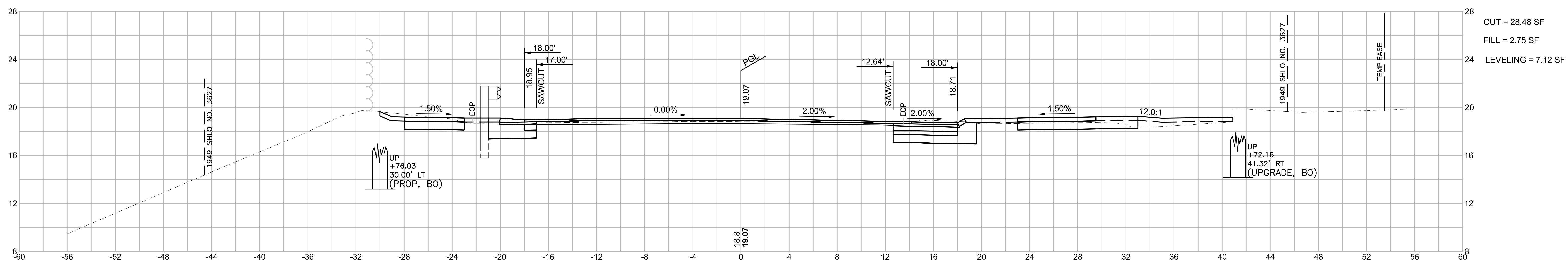
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	130	178
PROJECT FILE NO.		607397	

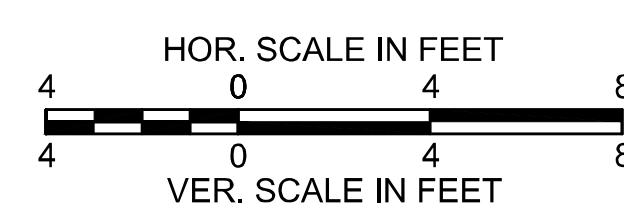
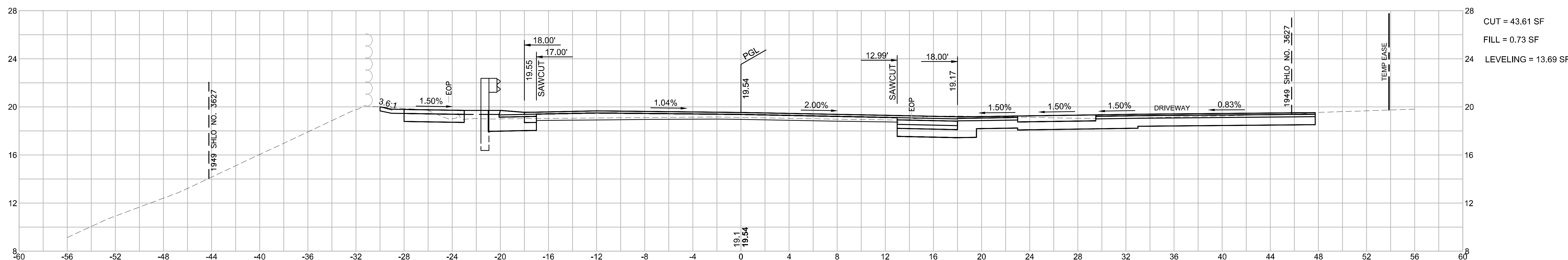
**CROSS SECTIONS
ROUTE 6
PART 10 OF 51**

PCC: STA 13+28.59
R = 4800.00'
PT: 17+37.29
e_D = 2.40%

17+73.96



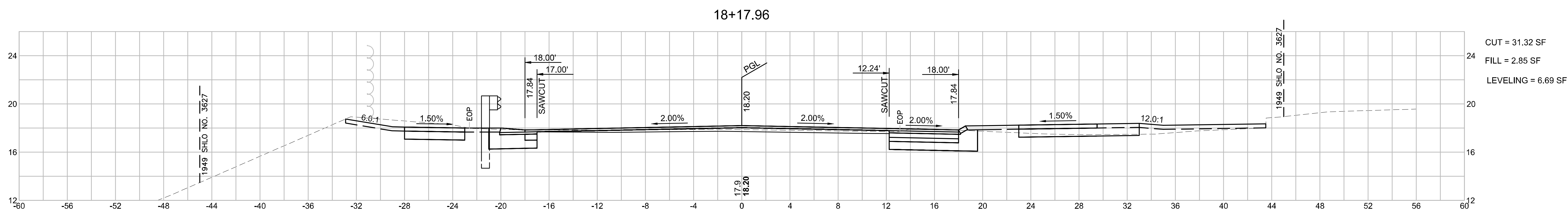
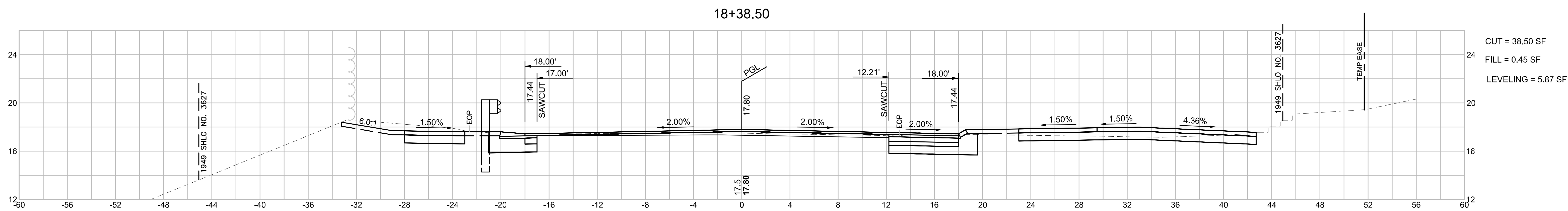
17+50



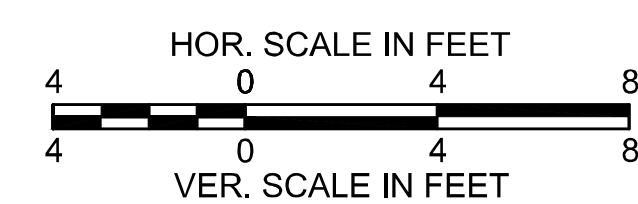
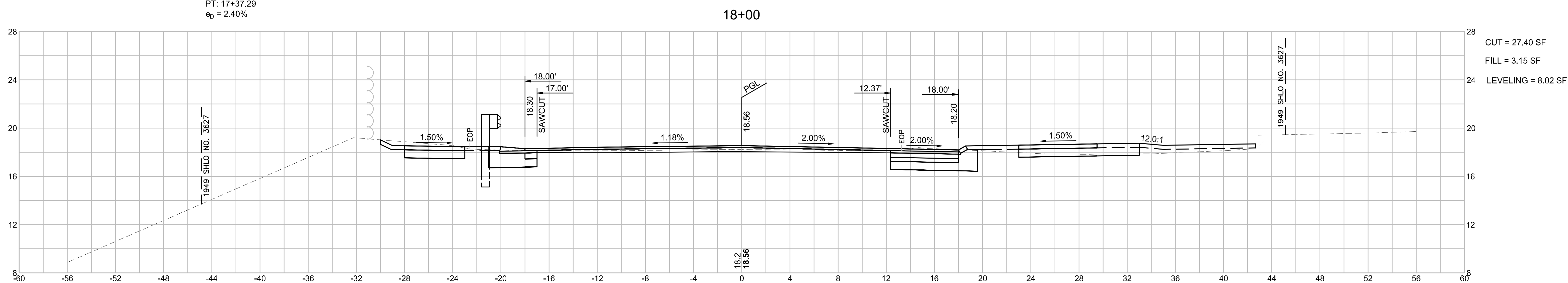
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	131	178
PROJECT FILE NO.		607397	

CROSS SECTIONS
ROUTE 6
PART 11 OF 51



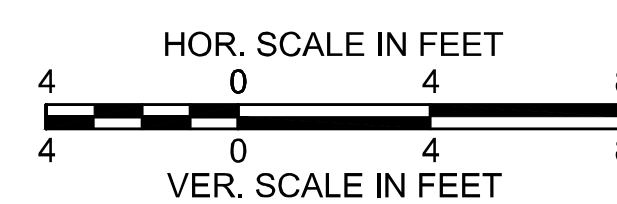
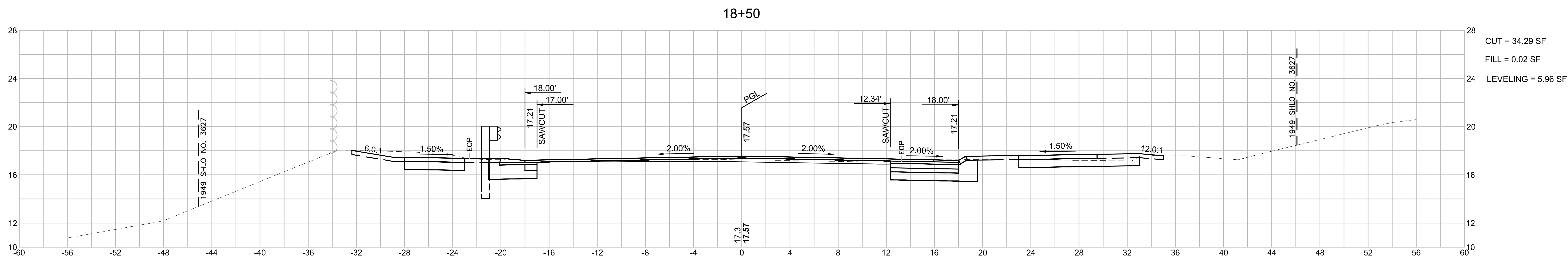
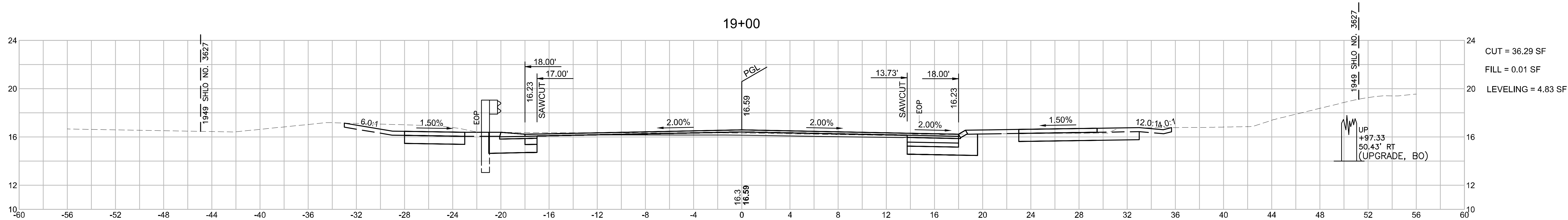
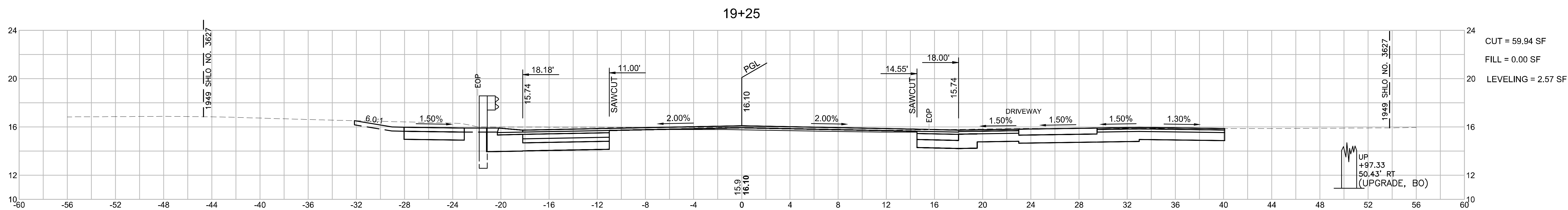
PCC: STA 13+28.59
R = 4800.00'
PT: 17+37.29
e_b = 2.40%



**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	132	178
PROJECT FILE NO.		607397	

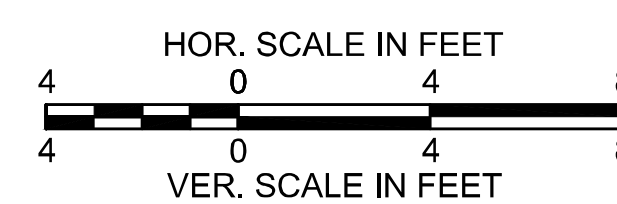
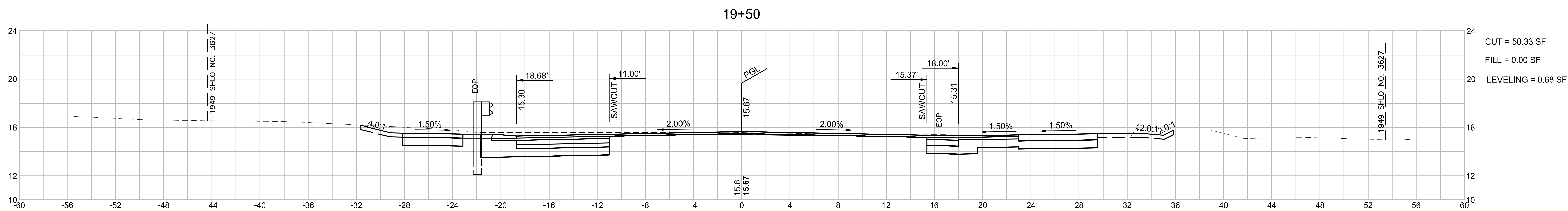
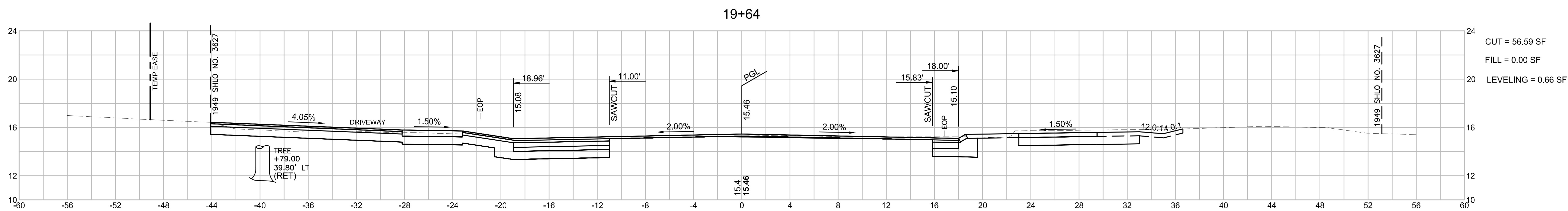
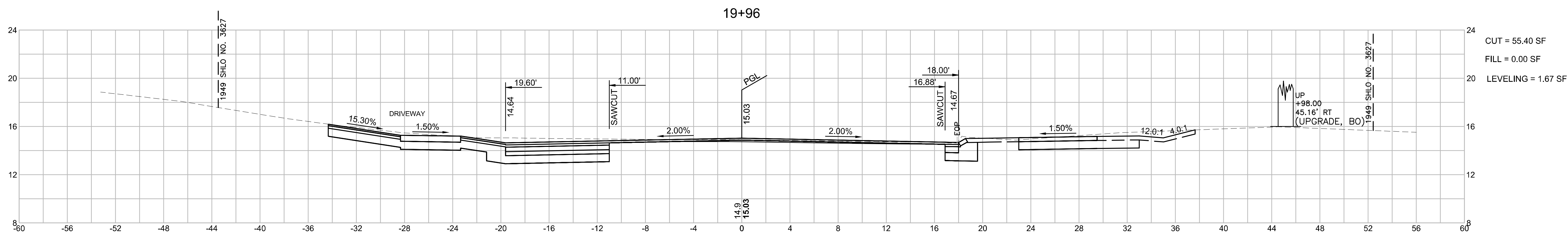
**CROSS SECTIONS
ROUTE 6
PART 12 OF 51**



WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	133	178
PROJECT FILE NO.		607397	

CROSS SECTIONS
ROUTE 6
PART 13 OF 51

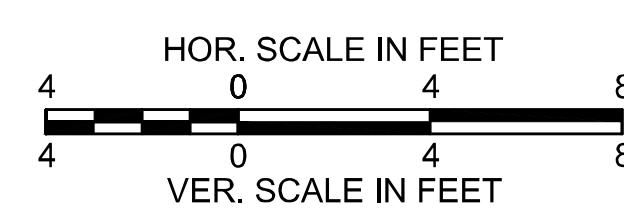
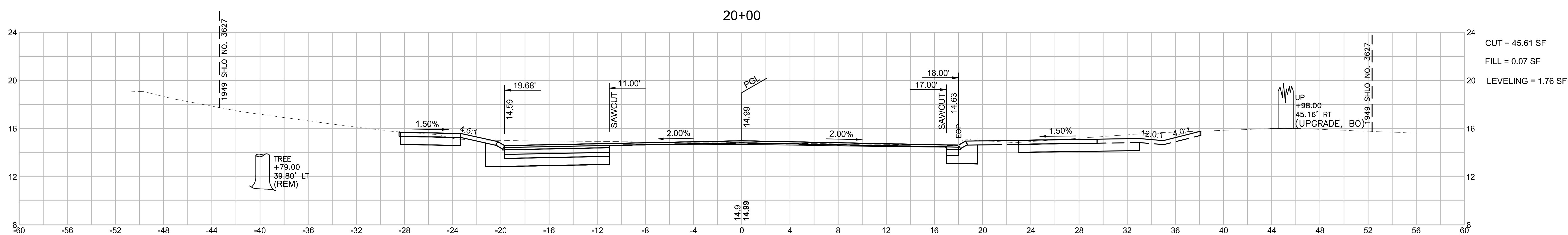
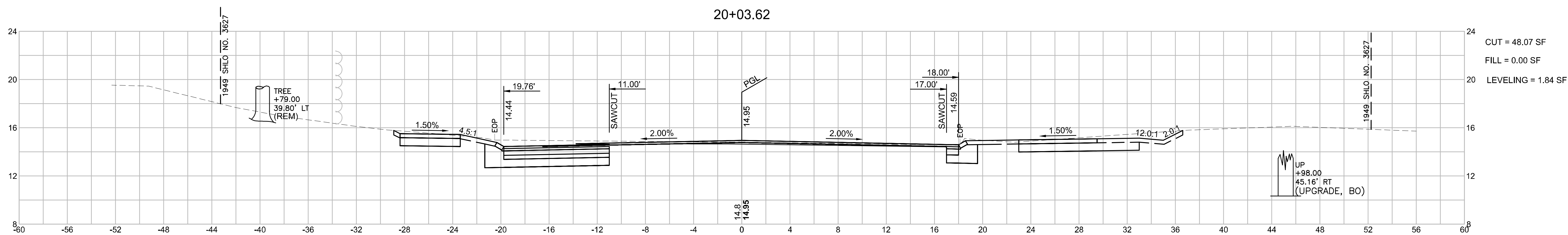


WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	134	178
PROJECT FILE NO.		607397	

CROSS SECTIONS
ROUTE 6
PART 14 OF 51

607397_HDCROSS SECTIONS - SOUTH.DWG Plotted on 26-May-2023 1:13 PM



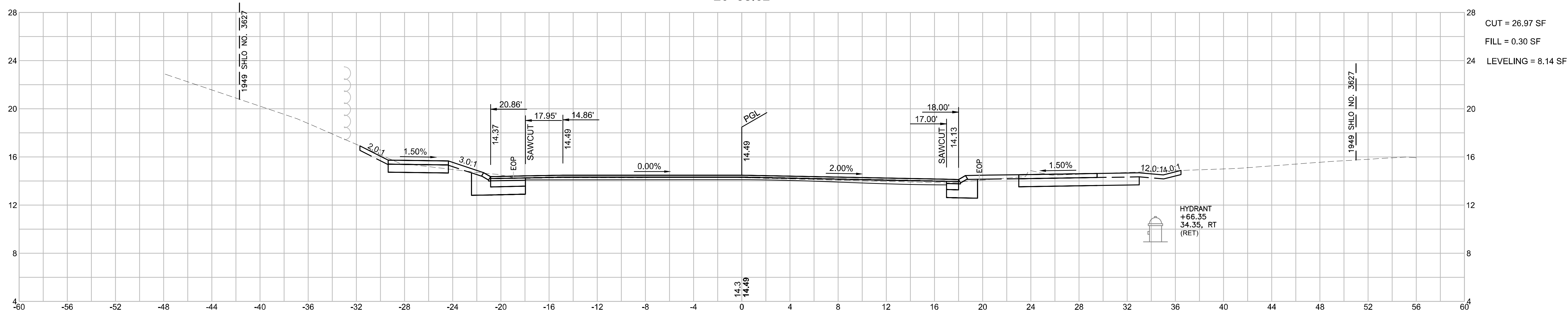
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	135	178
PROJECT FILE NO.		607397	

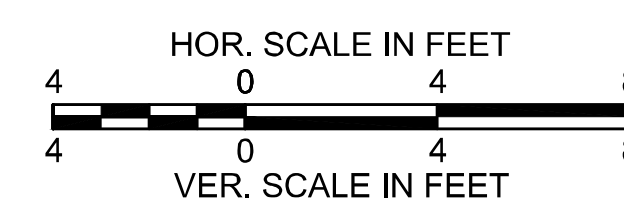
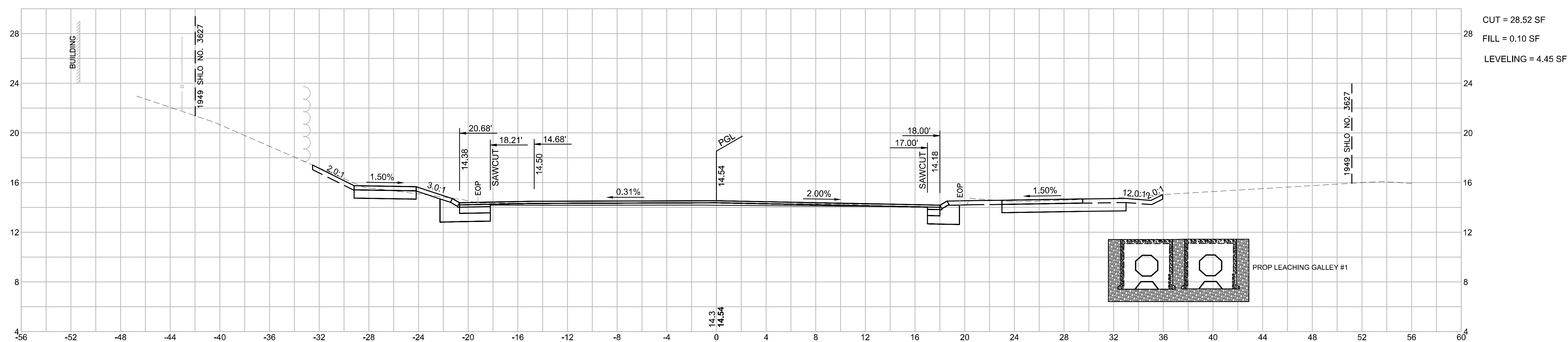
CROSS SECTIONS
ROUTE 6
PART 15 OF 51

PC: STA 21+19.29
R = 3135.00'
PCC: 25+91.49
e_b = 3.30%

20+58.62



20+50



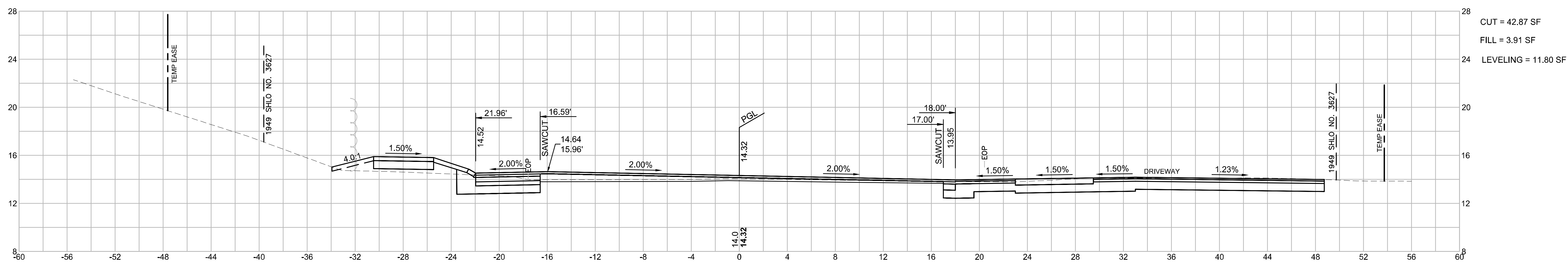
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	136	178
PROJECT FILE NO.		607397	

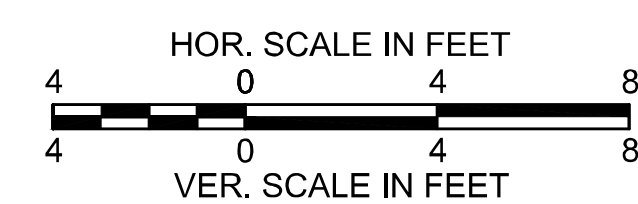
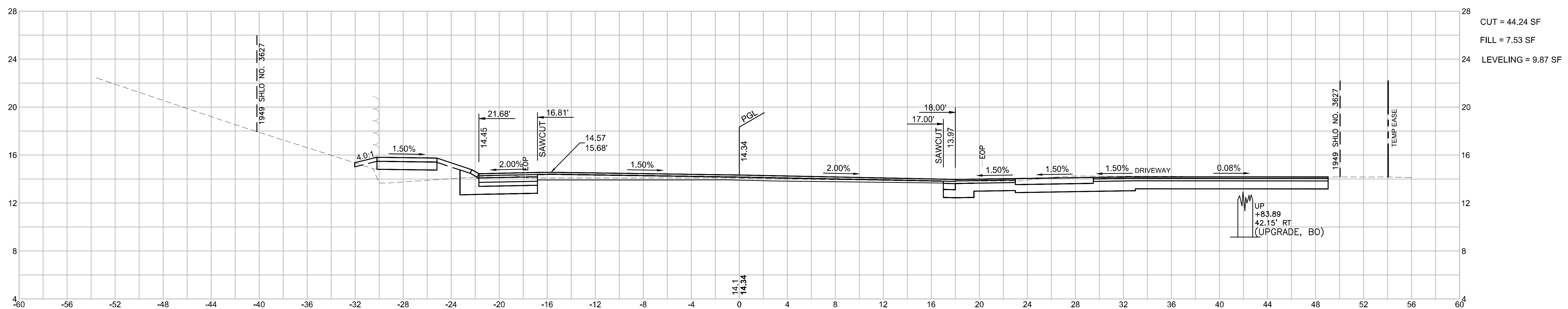
CROSS SECTIONS
ROUTE 6
PART 16 OF 51

PC: STA 21+19.29
R = 3135.00'
PCC: 25+91.49
e₀ = 3.30%

21+13.81



21+00

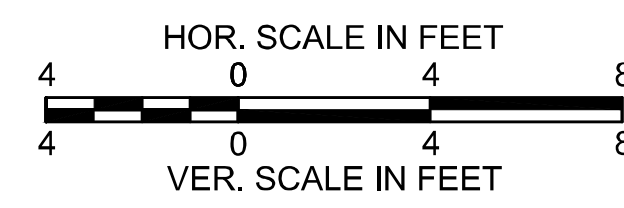
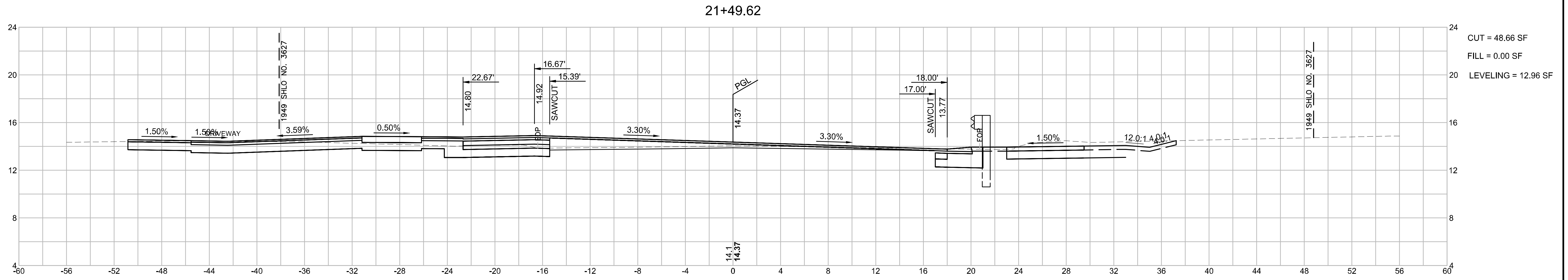
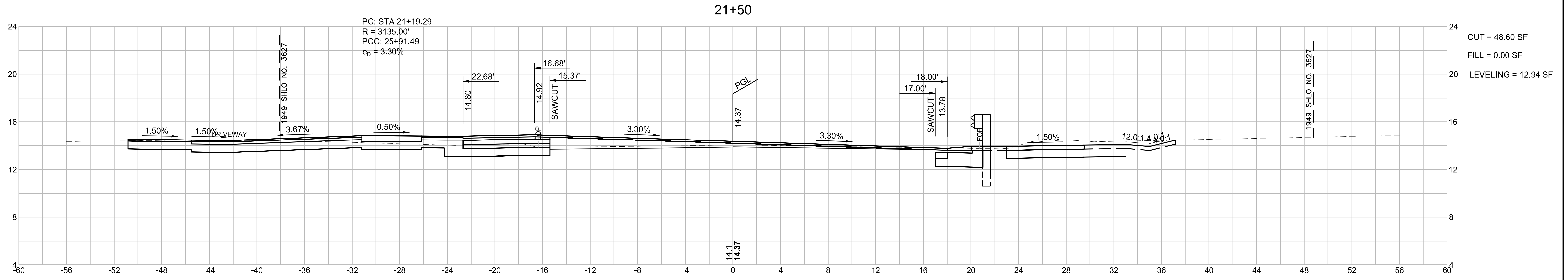


**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	137	178
PROJECT FILE NO.		607397	

**CROSS SECTIONS
ROUTE 6
PART 17 OF 51**

607397_HDCROSS SECTIONS - SOUTH.DWG Plotted on 26-May-2023 1:14 PM

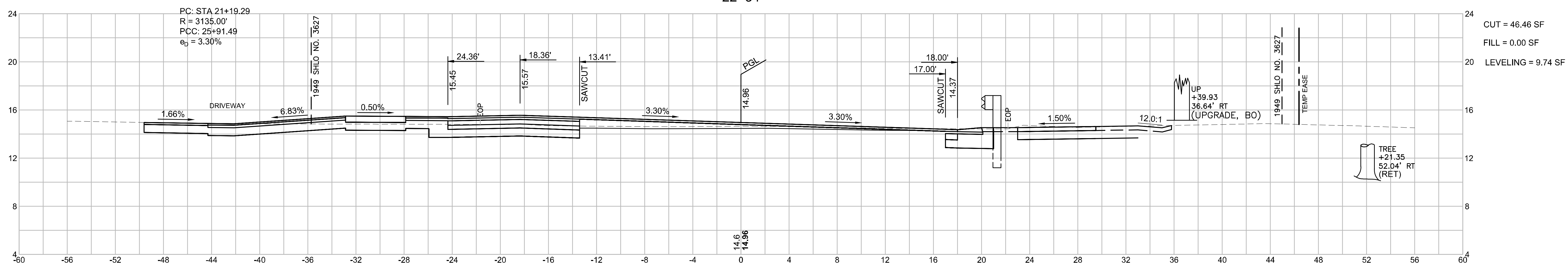


WELLFLEET
ROUTE 6 / MAIN STREET

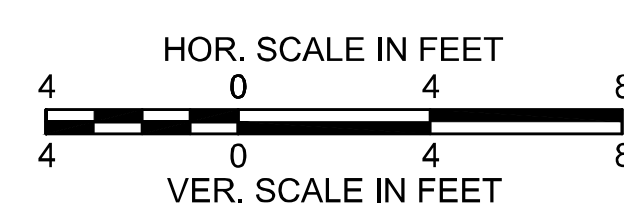
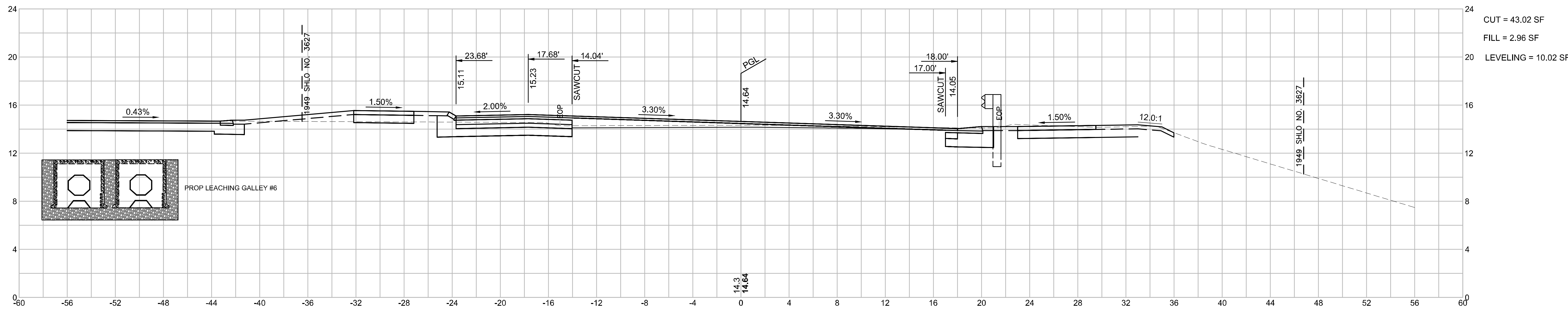
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	138	178
PROJECT FILE NO.		607397	

CROSS SECTIONS
ROUTE 6
PART 18 OF 51

22+34



22+00



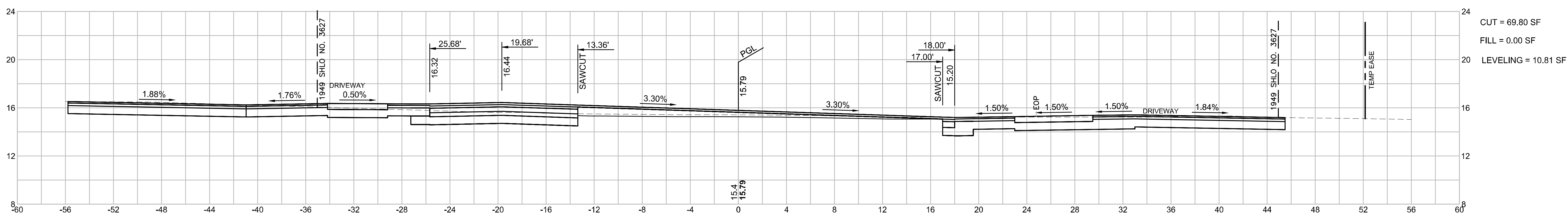
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	139	178
PROJECT FILE NO.		607397	

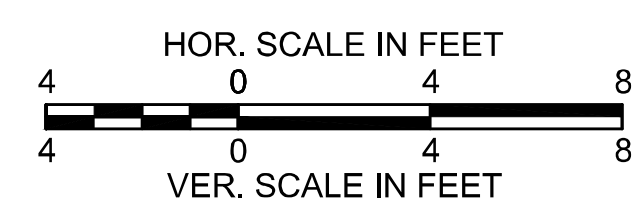
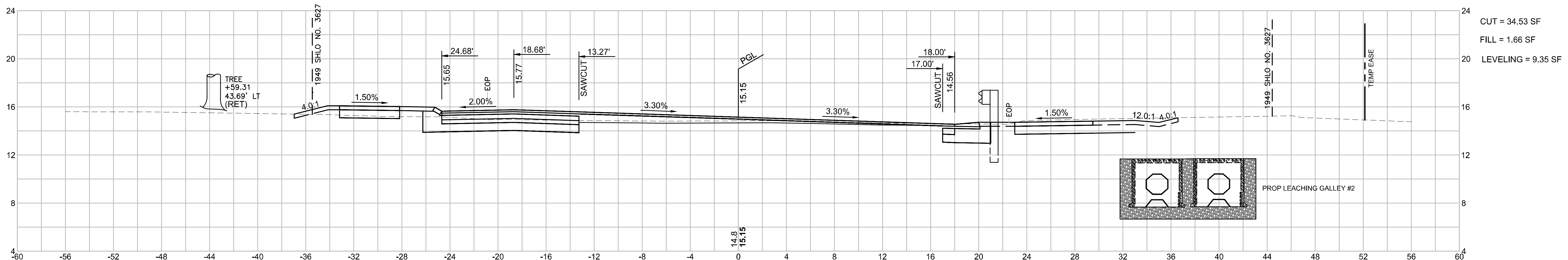
CROSS SECTIONS
ROUTE 6
PART 19 OF 51

PC: STA 21+19.29
R = 3135.00'
PCC: 25+91.49
e_p = 3.30%

23+00



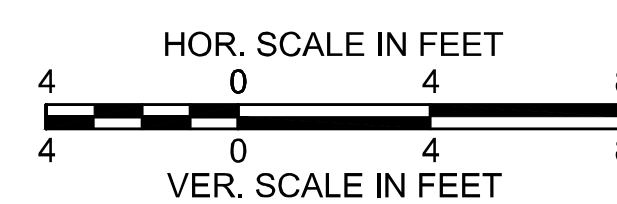
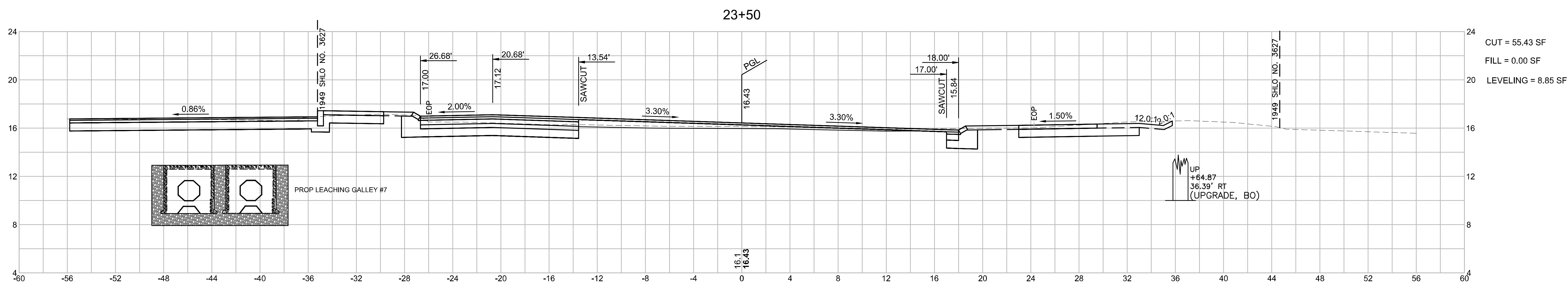
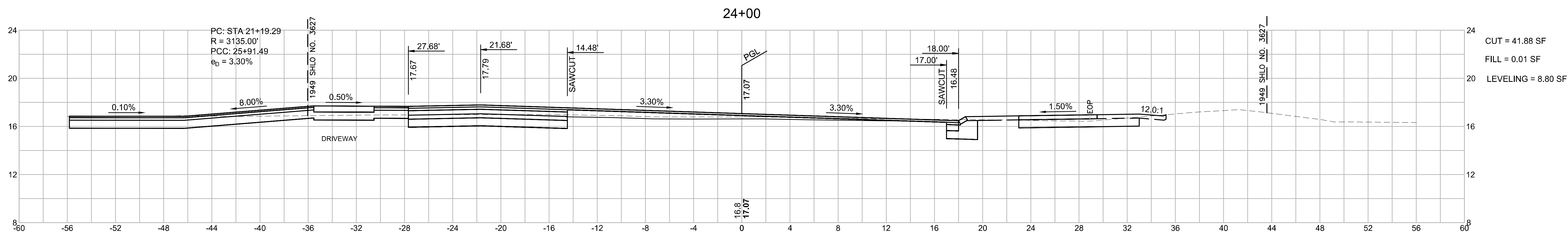
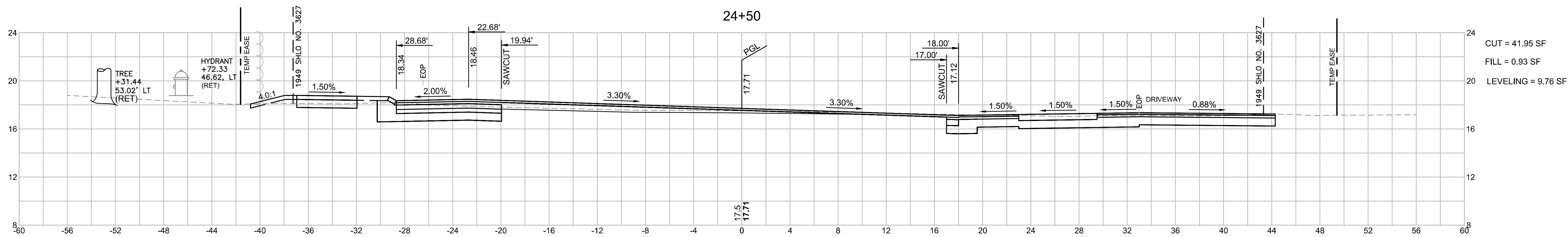
22+50



WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	140	178
PROJECT FILE NO. 607397			

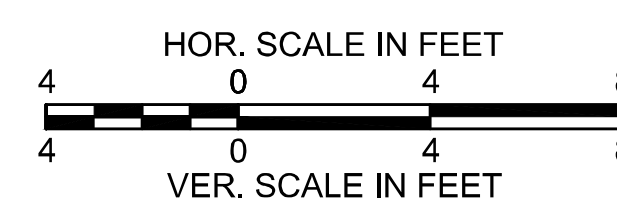
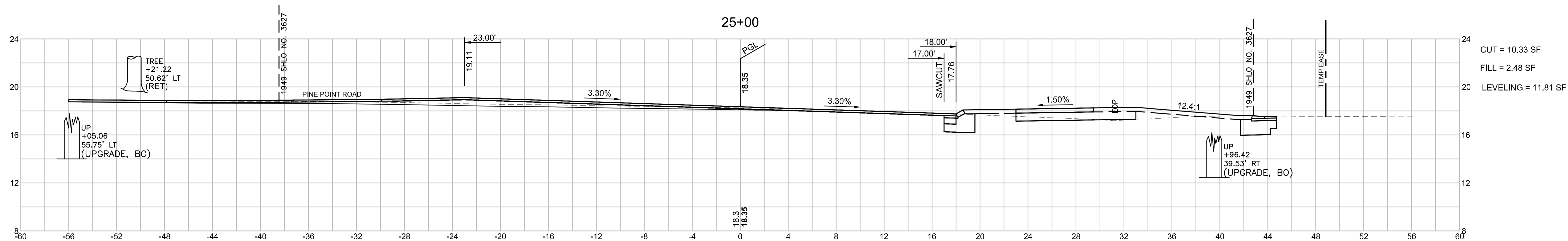
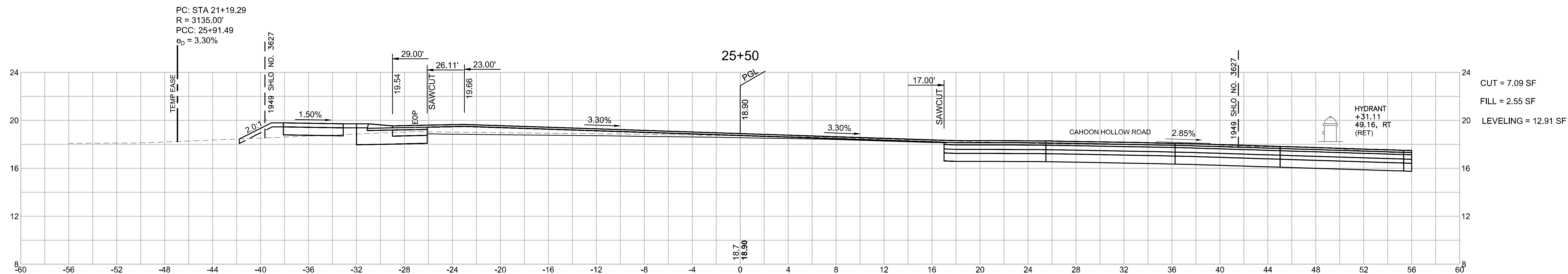
CROSS SECTIONS
ROUTE 6
PART 20 OF 51



**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	141	178
PROJECT FILE NO.		607397	

**CROSS SECTIONS
ROUTE 6
PART 21 OF 51**



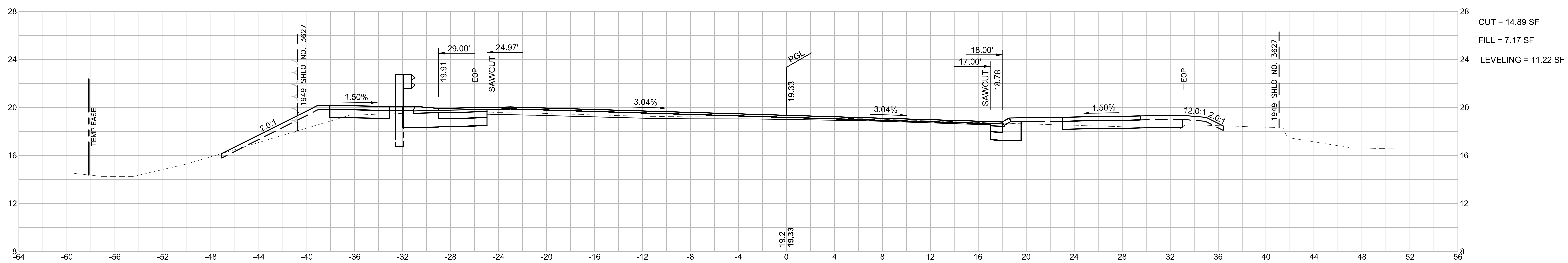
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	142	178
PROJECT FILE NO.		607397	

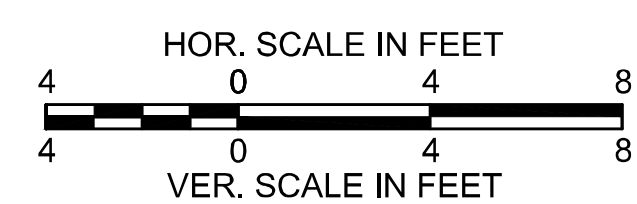
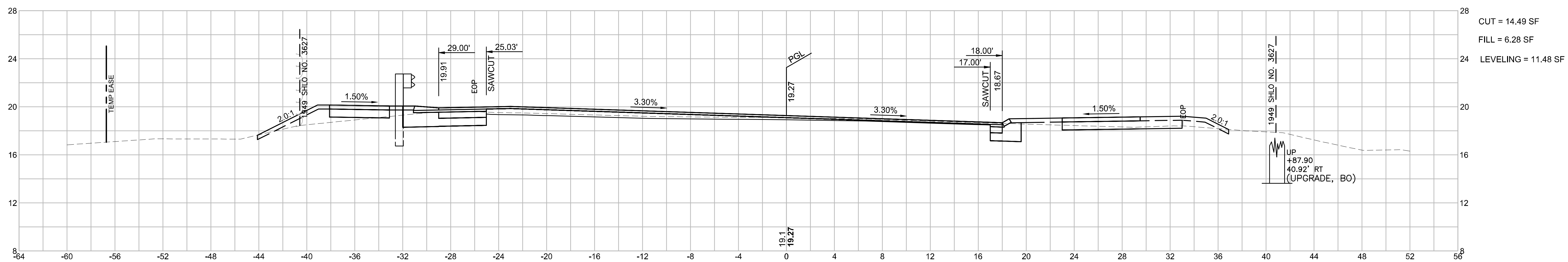
**CROSS SECTIONS
ROUTE 6
PART 22 OF 51**

PC: STA 21+19.29 PCC: STA 25+91.49
R = 3135.00' R = 3808.00'
PCC: 25+91.49 PCC: 27+95.71
e₀ = 3.30% e₀ = 3.00%

26+00



25+91.49



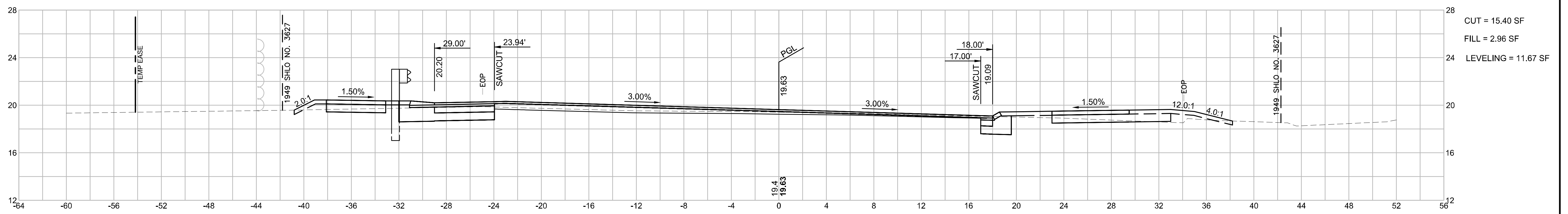
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	143	178
PROJECT FILE NO.		607397	

CROSS SECTIONS
ROUTE 6
PART 23 OF 51

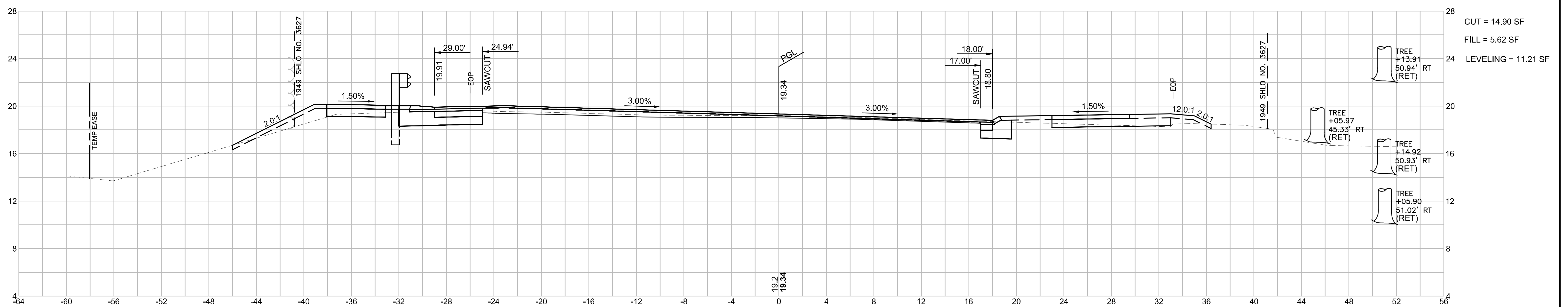
PCC: STA 25+91.49
R = 3808.00'
PCC: 27+95.71
 $\theta_0 = 3.00\%$

26+50

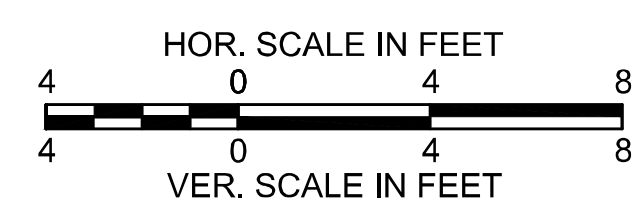


CUT = 15.40 SF
FILL = 2.96 SF
LEVELING = 11.67 SF

26+01.49



CUT = 14.90 SF
FILL = 5.62 SF
LEVELING = 11.21 SF



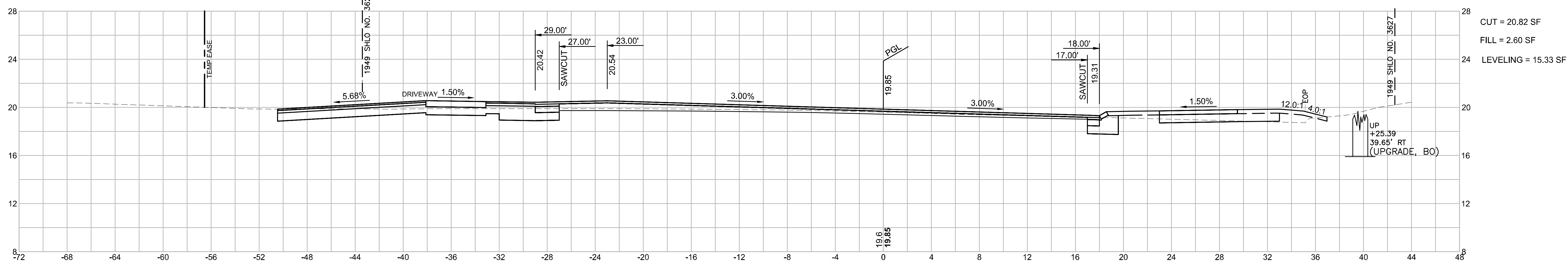
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	144	178
PROJECT FILE NO.		607397	

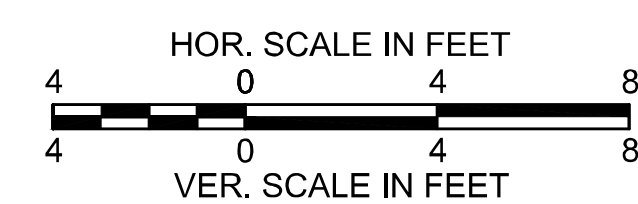
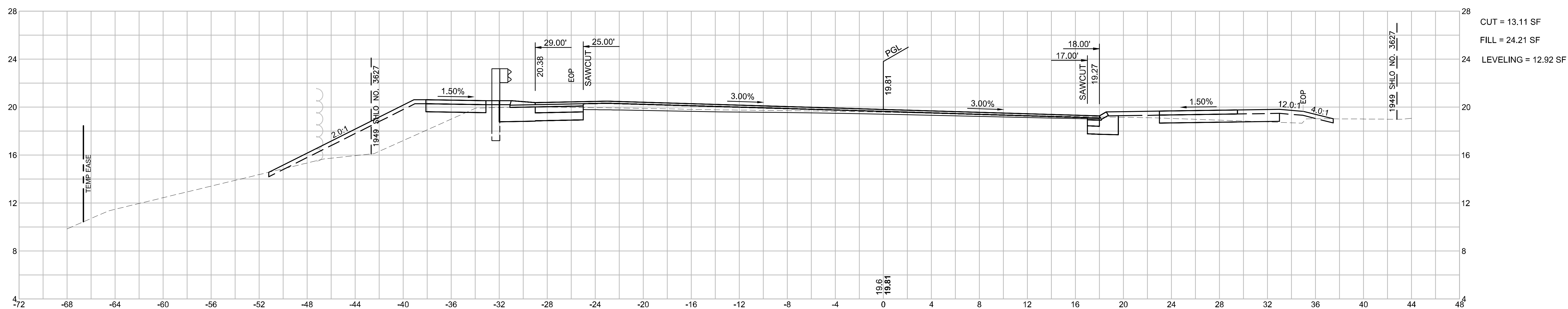
**CROSS SECTIONS
ROUTE 6
PART 24 OF 51**

PCC: STA 25+91.49
R = 3808.00'
PCC: 27+95.71
e₀ = 3.00%

27+50



27+00



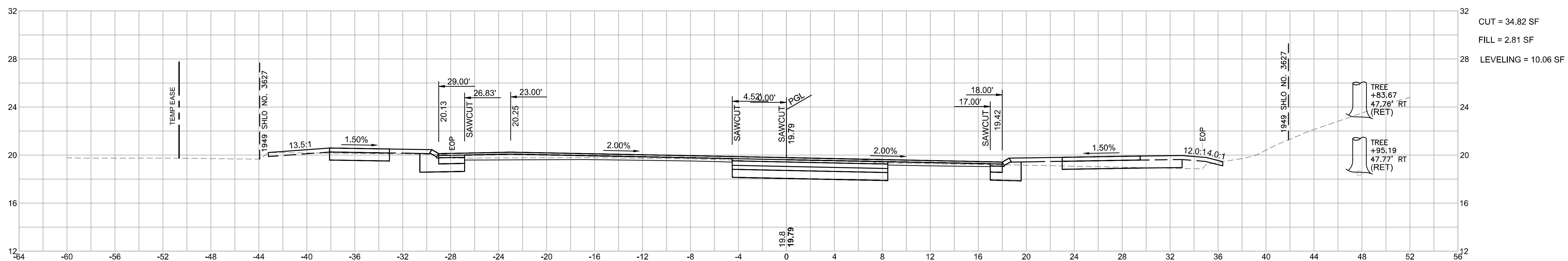
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	145	178
PROJECT FILE NO.		607397	

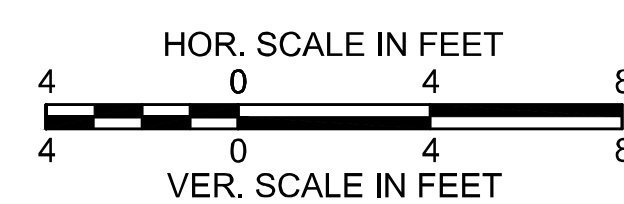
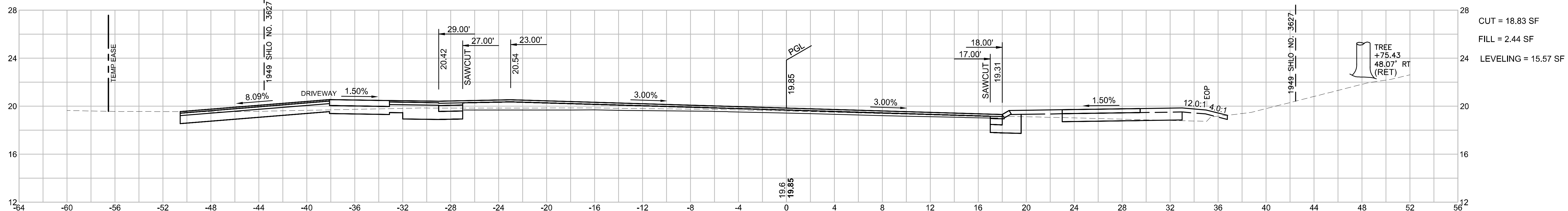
**CROSS SECTIONS
ROUTE 6
PART 25 OF 51**

PCC: STA 25+91.49
R = 3808.00'
PCC: 27+95.71
e₀ = 3.00%

27+95.71



27+62.38



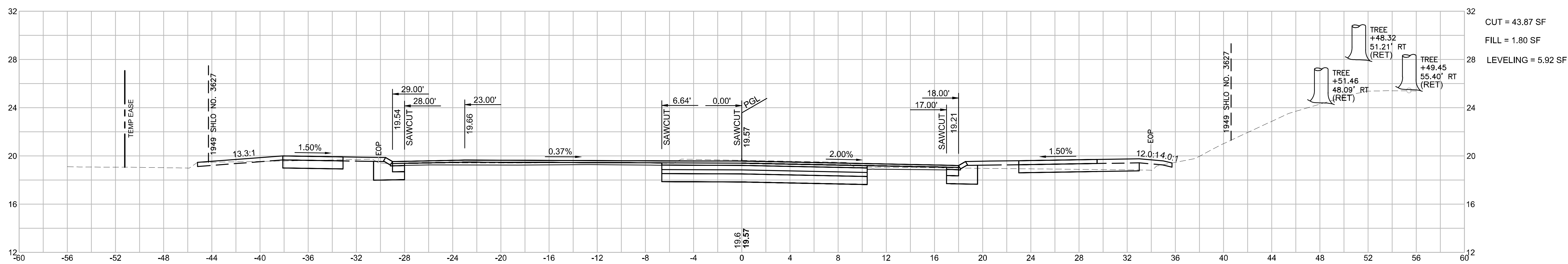
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	146	178
PROJECT FILE NO.		607397	

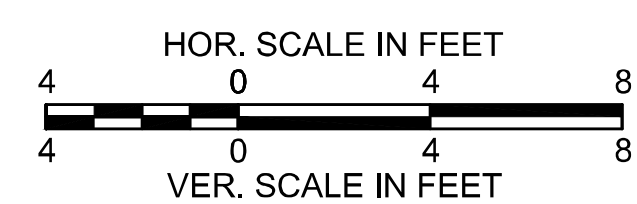
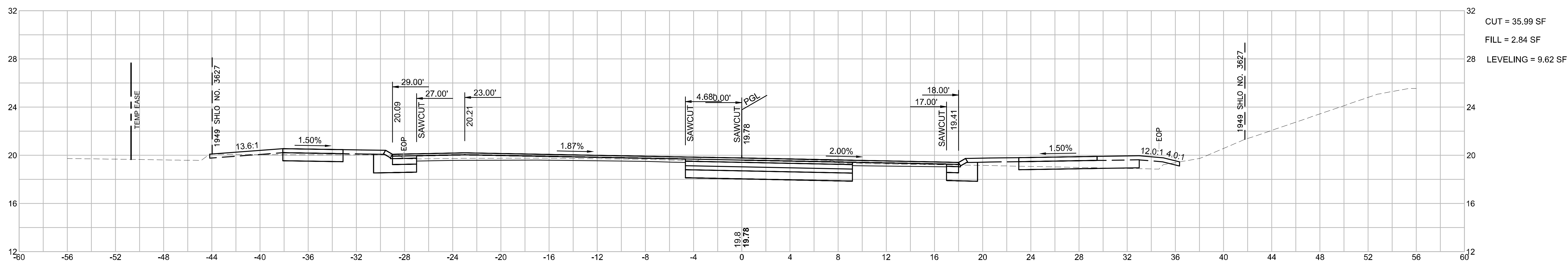
CROSS SECTIONS
ROUTE 6
PART 26 OF 51

PCC: STA 25+91.49
R = 3808.00'
PCC: 27+95.71
e_p = 3.00%

28+50



28+00



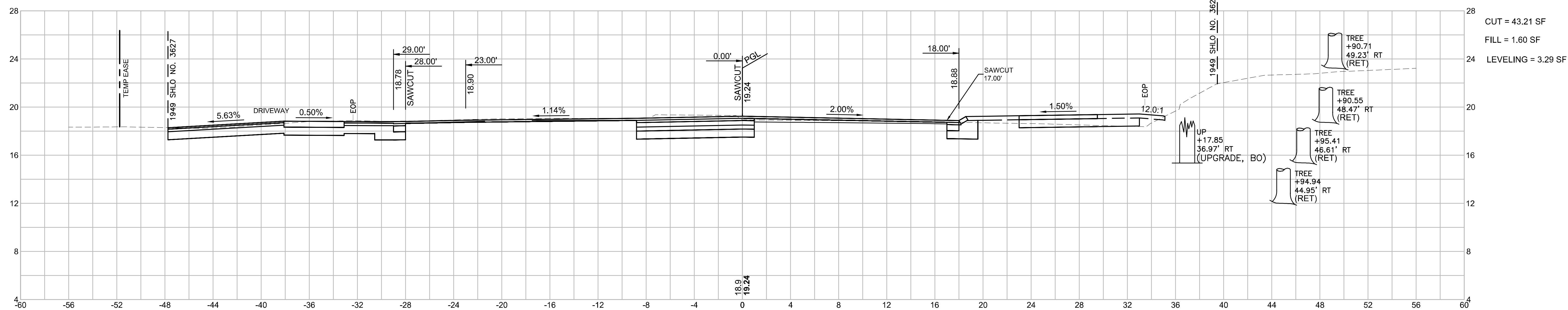
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	147	178
PROJECT FILE NO.		607397	

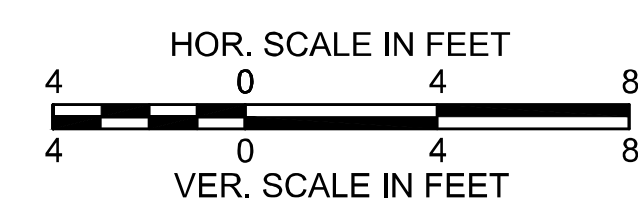
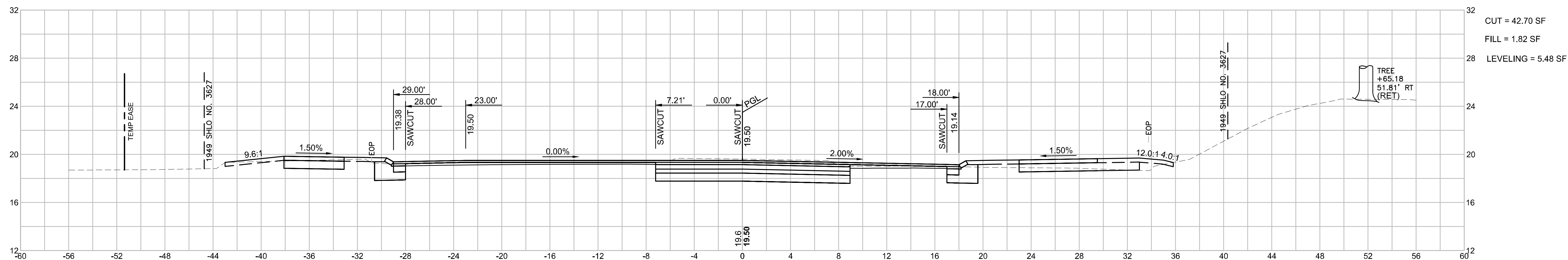
CROSS SECTIONS
ROUTE 6
PART 27 OF 51

PCC: STA 25+91.49
R = 3808.00'
PCC: 27+95.71
e₀ = 3.00%

29+00



28+62.38

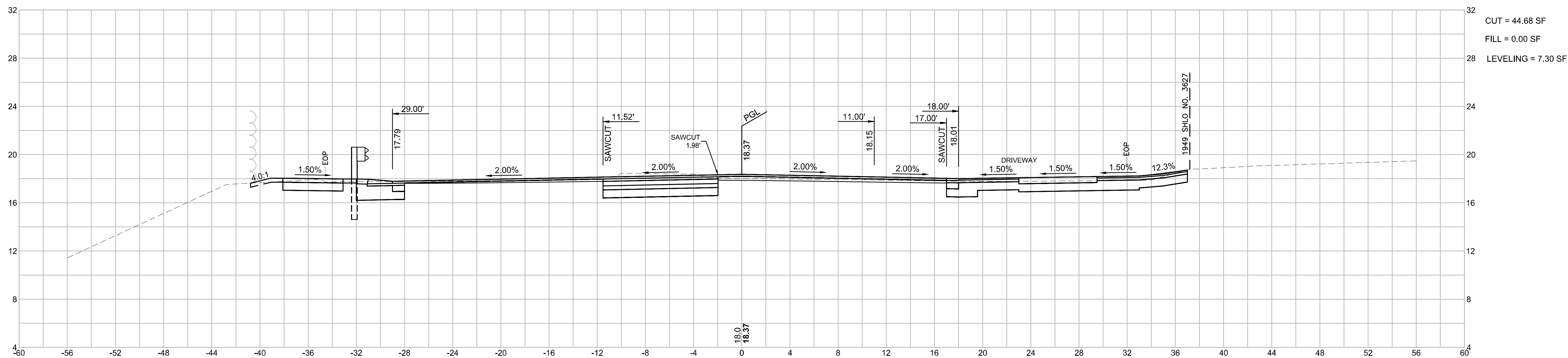


WELLFLEET
ROUTE 6 / MAIN STREET

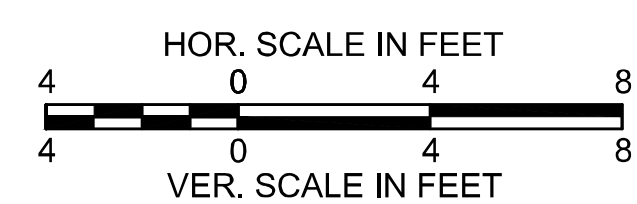
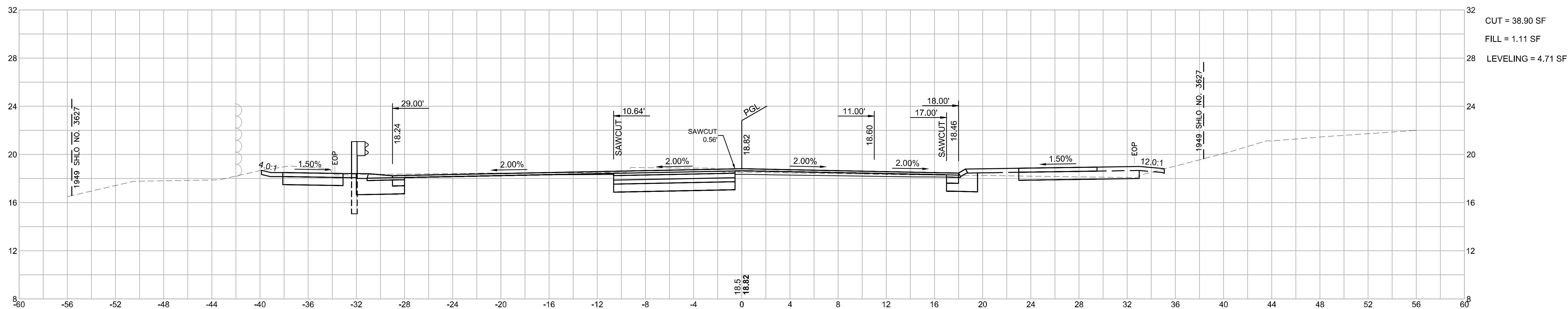
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	148	178
PROJECT FILE NO.		607397	

CROSS SECTIONS
ROUTE 6
PART 28 OF 51

30+00



29+50

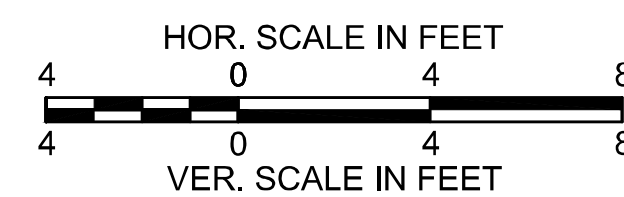
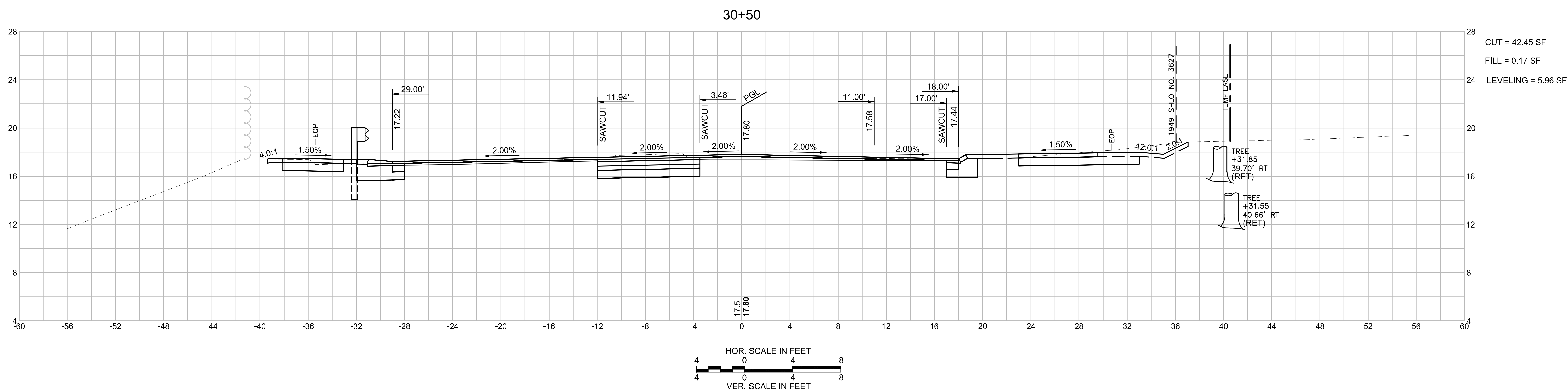
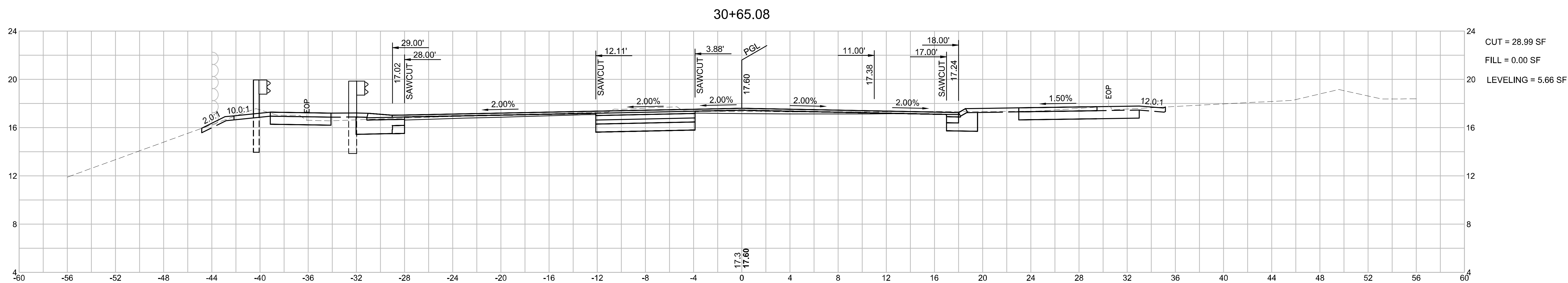


**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	149	178
PROJECT FILE NO.		607397	

**CROSS SECTIONS
ROUTE 6
PART 29 OF 51**

607397_HDCROSS SECTIONS - NORTH.DWG Plotted on: 26-May-2023 1:32 PM

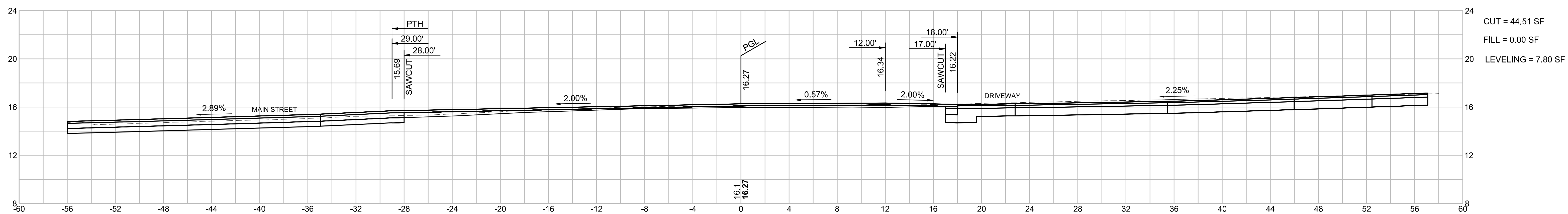


WELLFLEET
ROUTE 6 / MAIN STREET

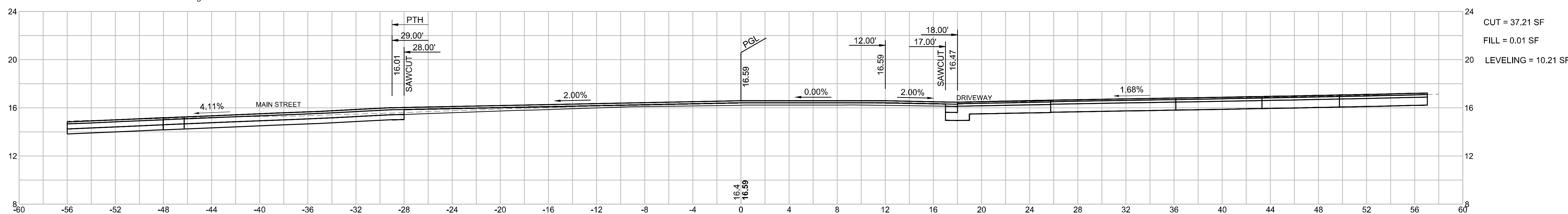
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	150	178
PROJECT FILE NO.		607397	

CROSS SECTIONS
ROUTE 6
PART 30 OF 51

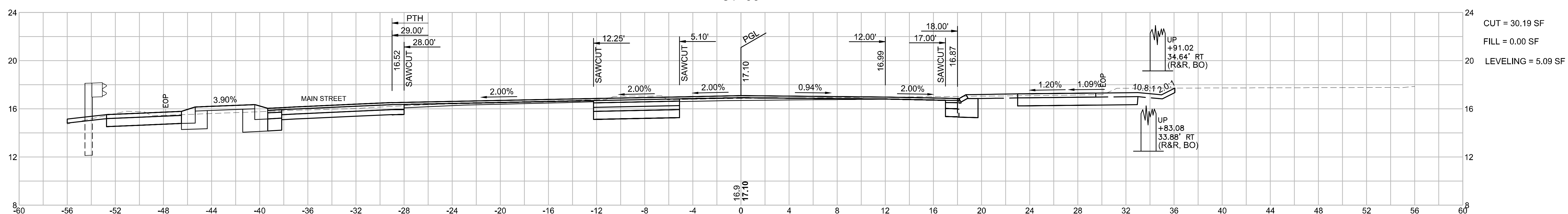
31+50



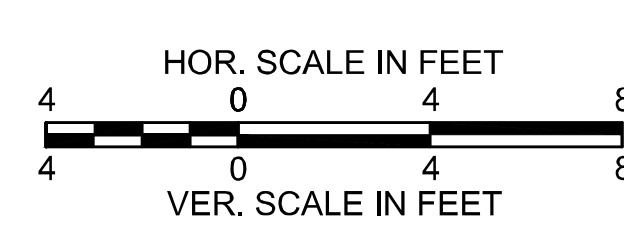
31+31.08



31+00



PC: STA 32+06.41
R = 3050.00'
PCC: 39+44.20
e₀ = 3.40%



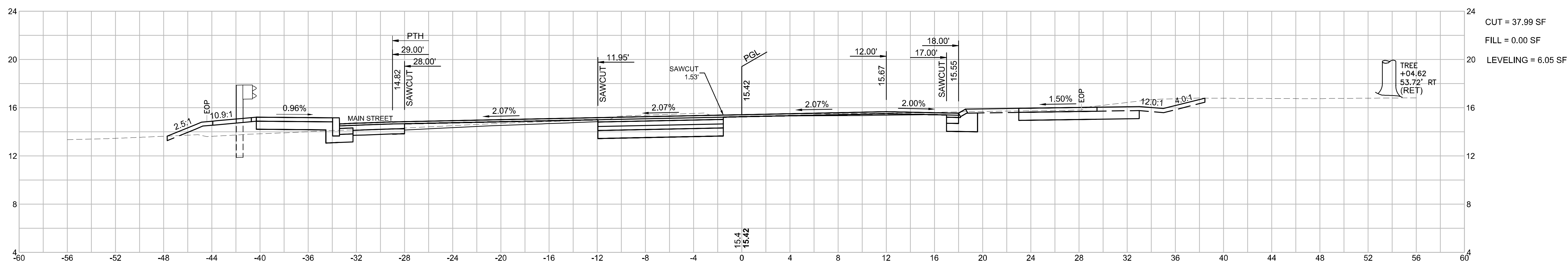
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	151	178
PROJECT FILE NO.		607397	

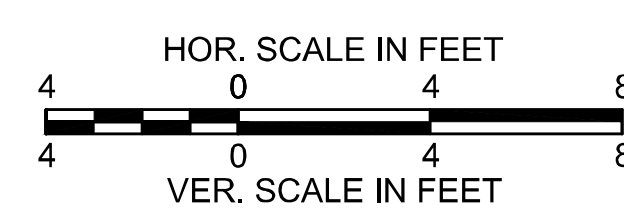
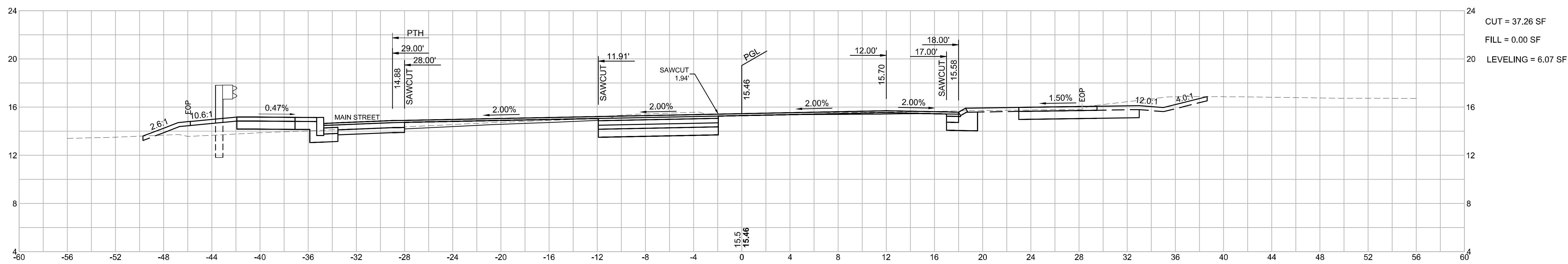
CROSS SECTIONS
ROUTE 6
PART 31 OF 51

PC: STA 32+06.41
R = 3050.00'
PCC: 39+44.20
e_b = 3.40%

32+00



31+97.67



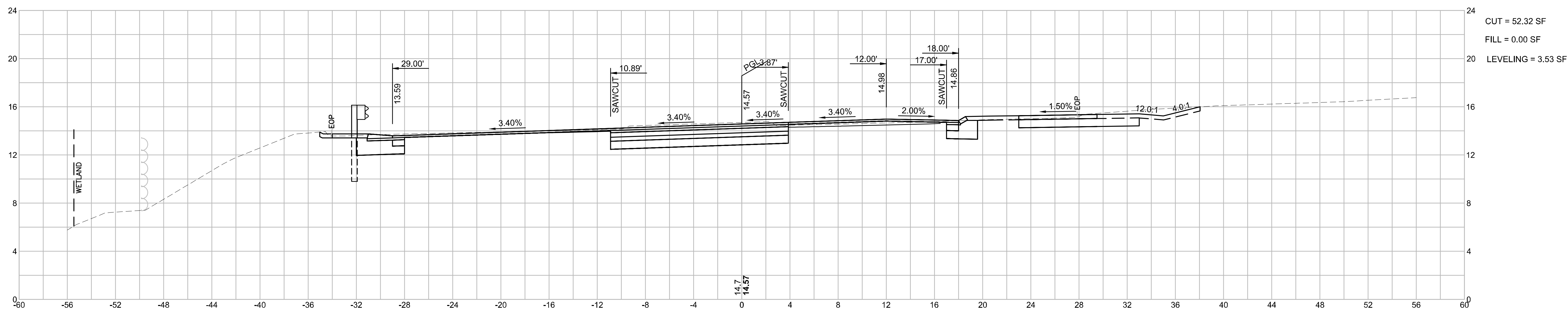
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	152	178
PROJECT FILE NO.		607397	

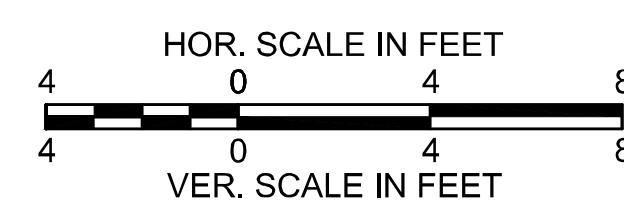
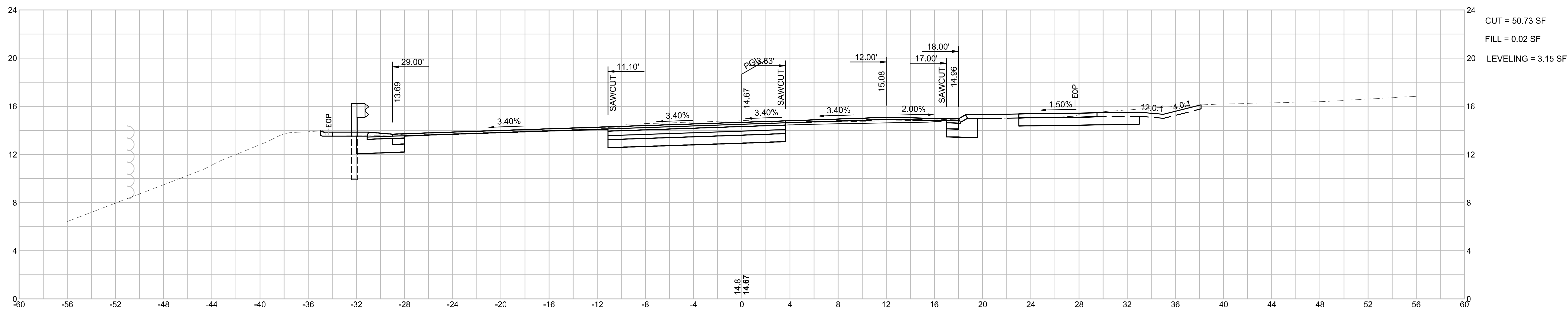
CROSS SECTIONS
ROUTE 6
PART 32 OF 51

PC: STA 32+06.41
R = 3050.00'
PCC: 39+44.20
e_p = 3.40%

32+50



32+44.08



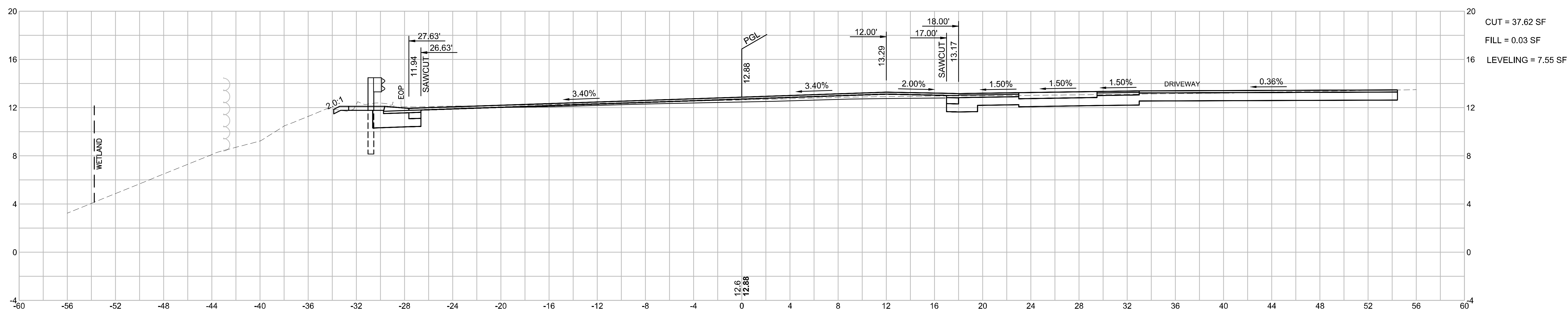
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	153	178
PROJECT FILE NO.		607397	

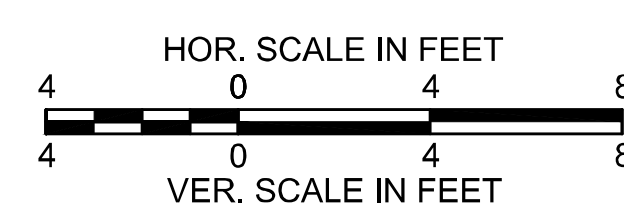
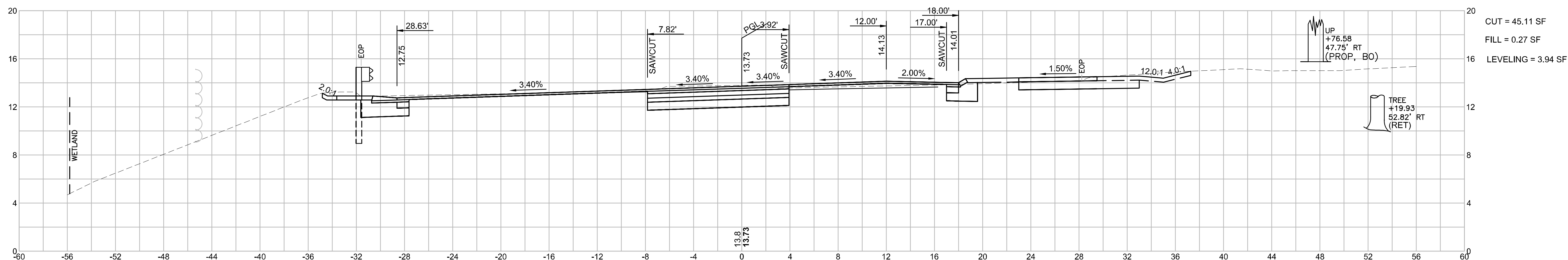
CROSS SECTIONS
ROUTE 6
PART 33 OF 51

PC: STA 32+06.41
R = 3050.00'
PCC: 39+44.20
e₀ = 3.40%

33+50



33+00



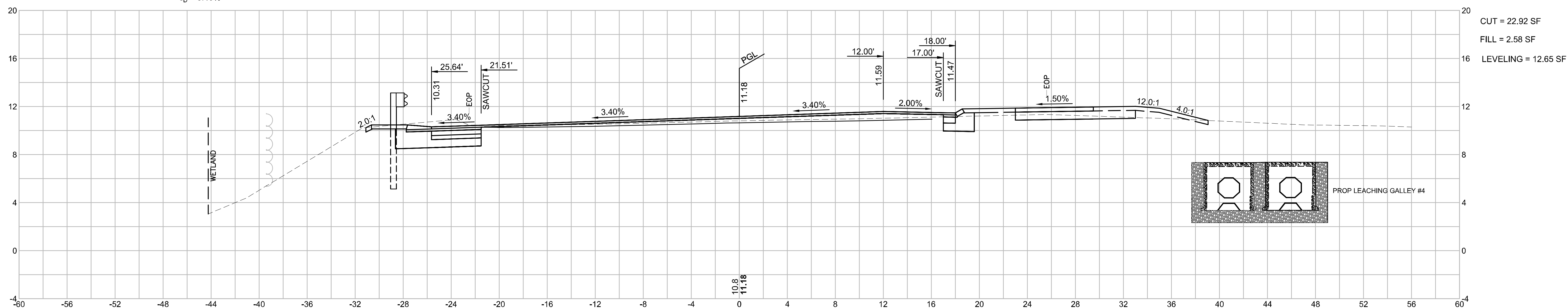
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	154	178
PROJECT FILE NO.		607397	

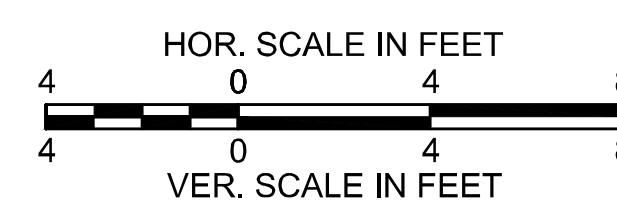
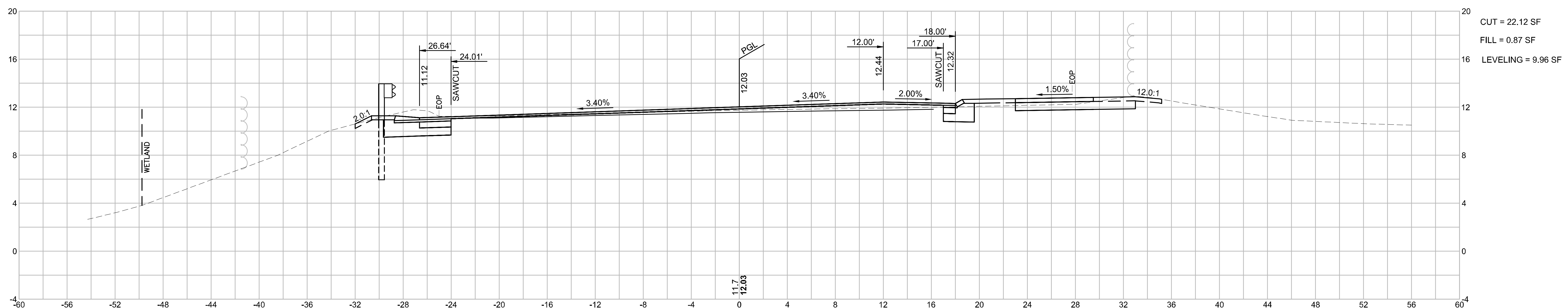
CROSS SECTIONS
ROUTE 6
PART 34 OF 51

PC: STA 32+06.41
R = 3050.00'
PCC: 39+44.20
e₀ = 3.40%

34+50



34+00



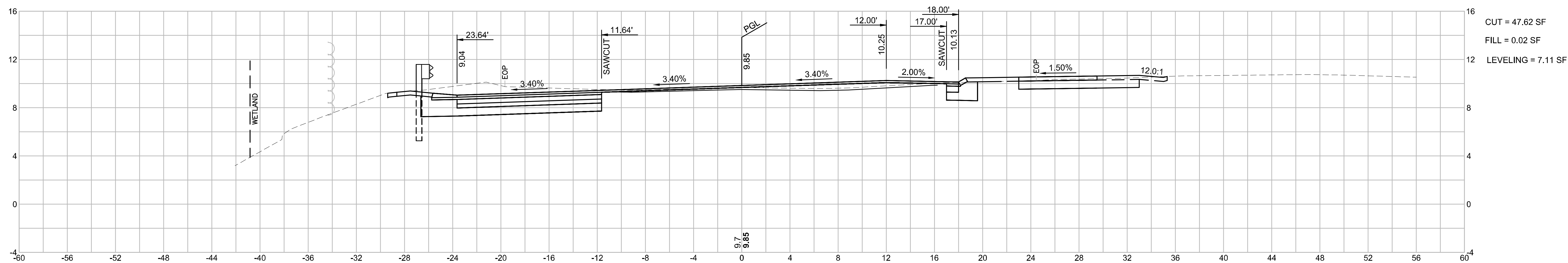
WELLFLEET
ROUTE 6 / MAIN STREET

SHEET	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	155	178
PROJECT FILE NO.		607397	

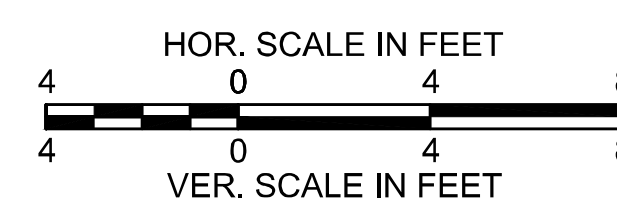
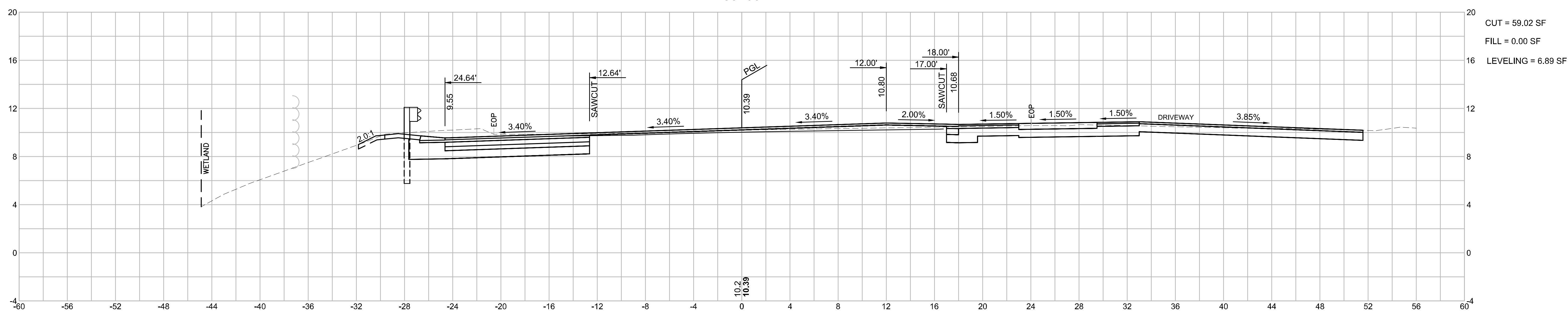
CROSS SECTIONS
ROUTE 6
PART 35 OF 51

PC: STA 32+06.41
R = 3050.00'
PCC: 39+44.20
 $e_p = 3.40\%$

35+50



35+00



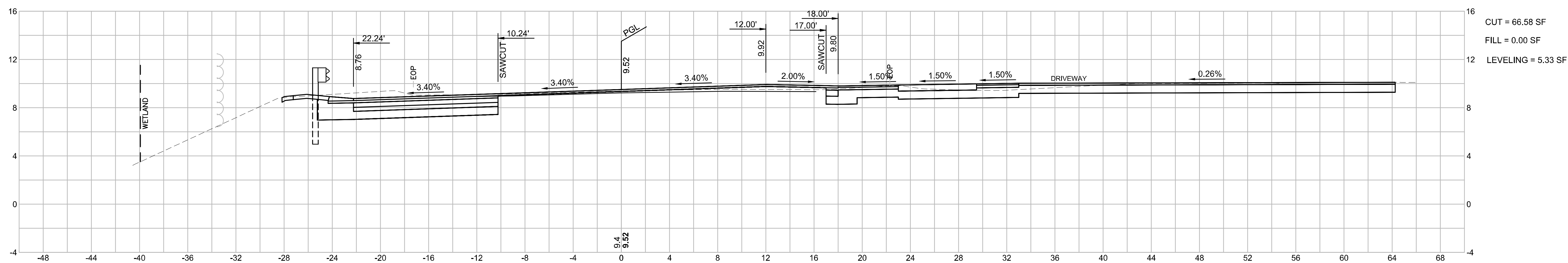
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	156	178
PROJECT FILE NO.		607397	

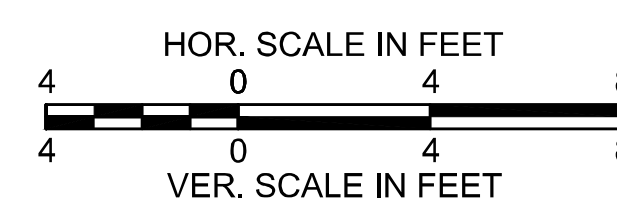
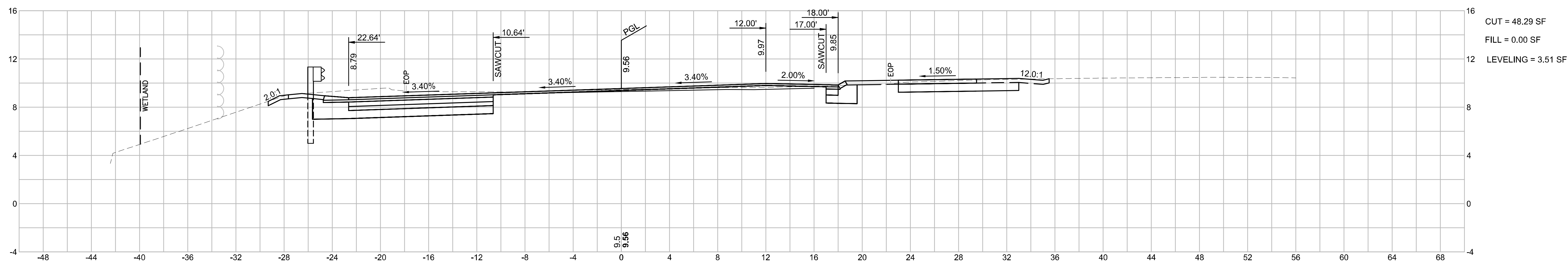
**CROSS SECTIONS
ROUTE 6
PART 36 OF 51**

PC: STA 32+06.41
R = 3050.00'
PCC: 39+44.20
e_b = 3.40%

36+20



36+00



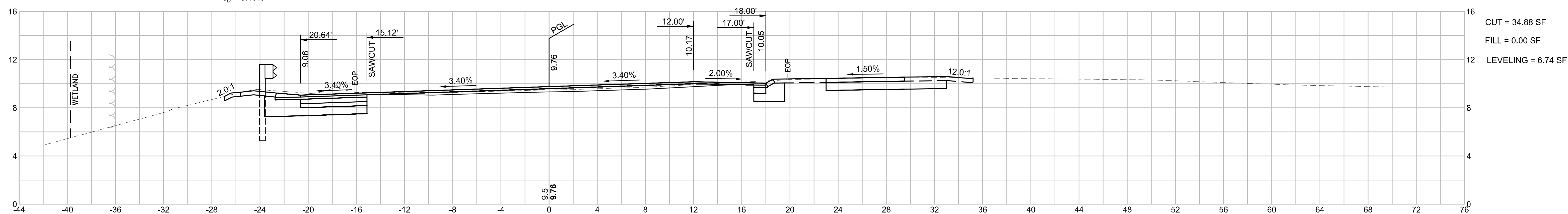
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	157	178
PROJECT FILE NO.		607397	

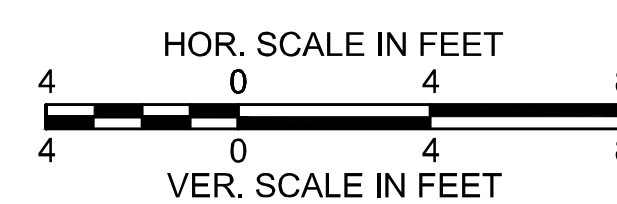
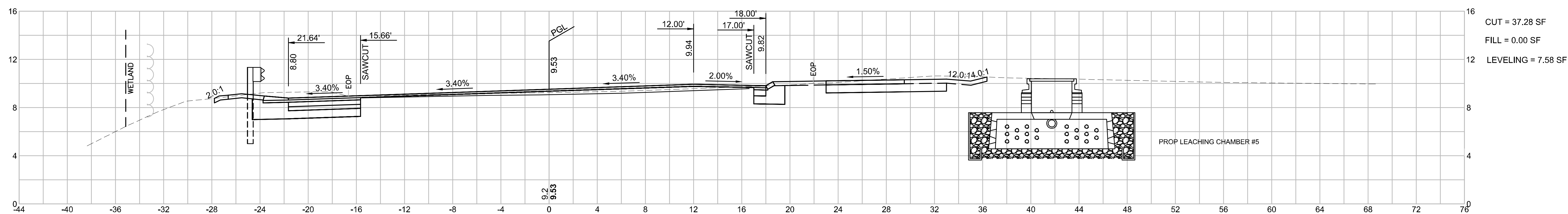
CROSS SECTIONS
ROUTE 6
PART 37 OF 51

PC: STA 32+06.41
R = 3050.00'
PCC: 39+44.20
e_p = 3.40%

37+00



36+50



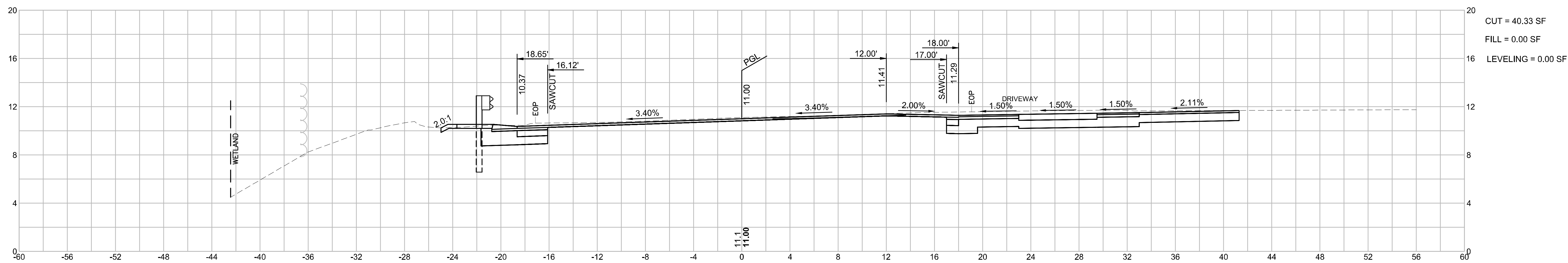
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	158	178
PROJECT FILE NO.		607397	

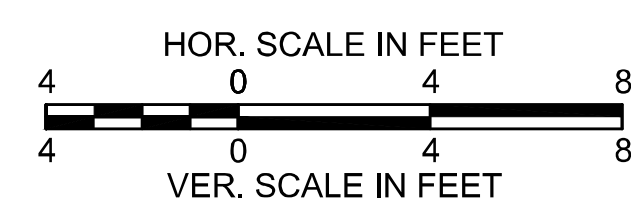
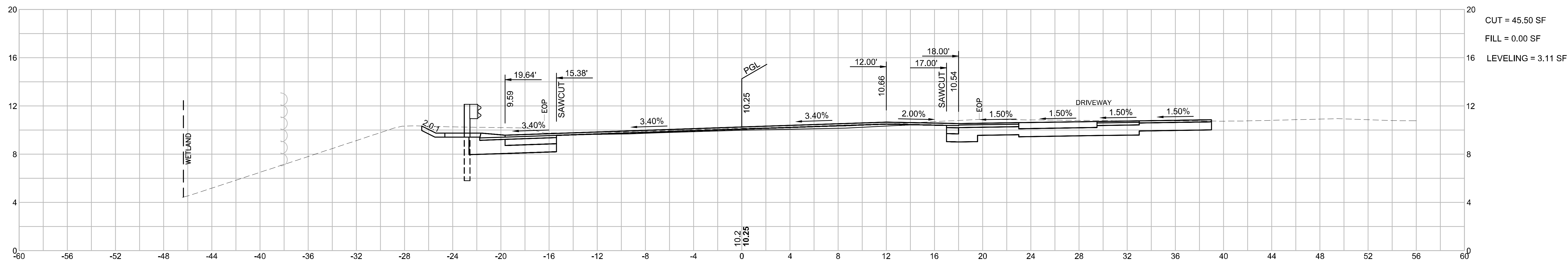
CROSS SECTIONS
ROUTE 6
PART 38 OF 51

PC: STA 32+06.41
R = 3050.00'
PCC: 39+44.20
e_p = 3.40%

38+00



37+50



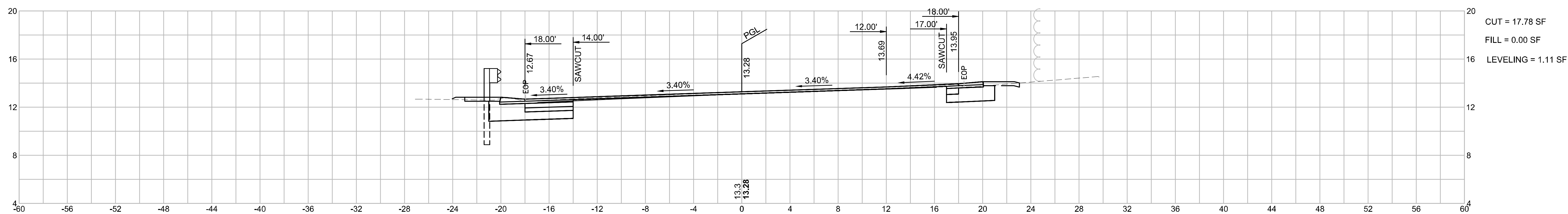
WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	159	178
PROJECT FILE NO.		607397	

CROSS SECTIONS
ROUTE 6
PART 39 OF 51

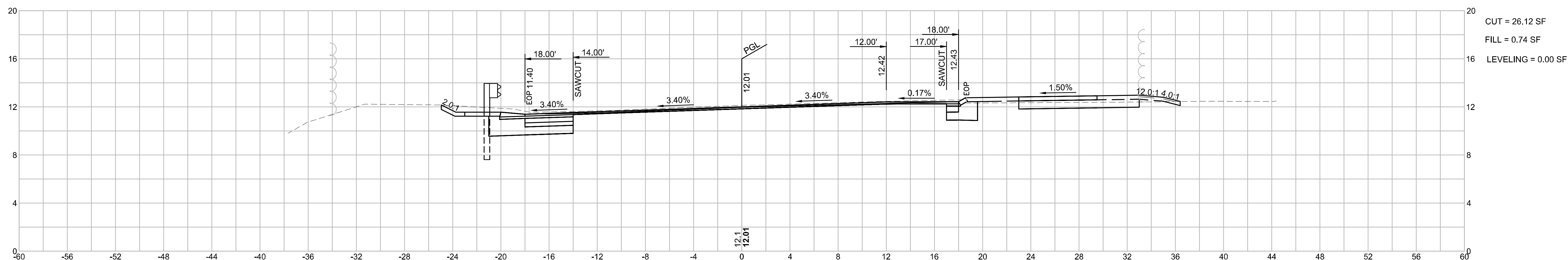
PC: STA 32+06.41
R = 3050.00'
PCC: 39+44.20
e₀ = 3.40%

39+00

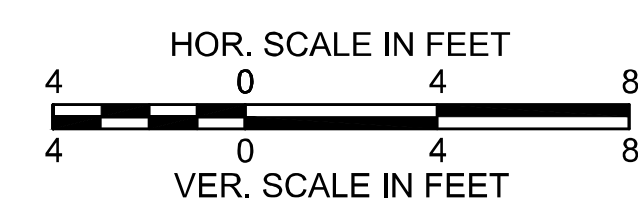


CUT = 17.78 SF
FILL = 0.00 SF
LEVELING = 1.11 SF

38+50



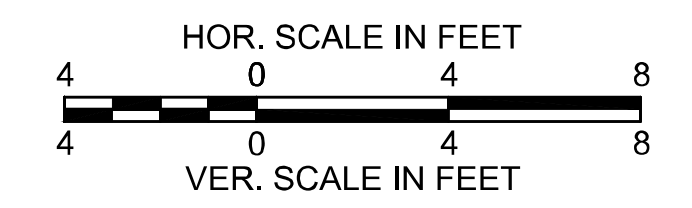
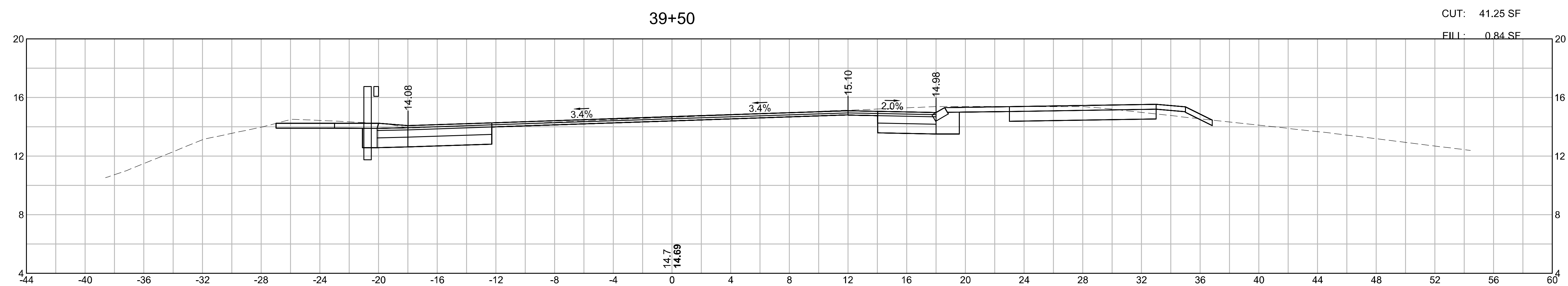
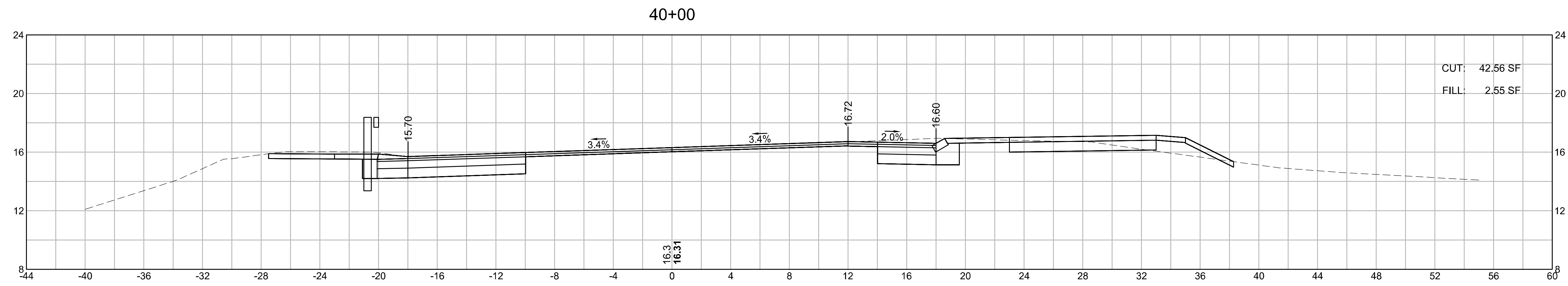
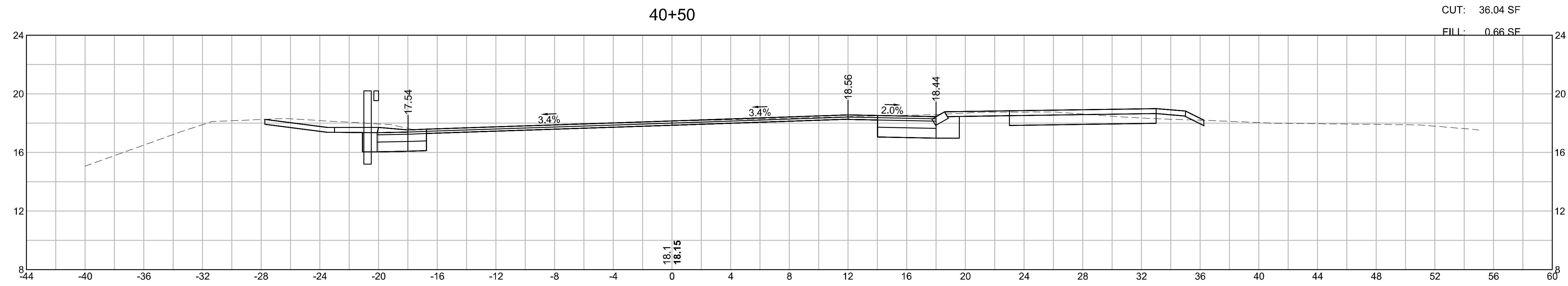
CUT = 26.12 SF
FILL = 0.74 SF
LEVELING = 0.00 SF



**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	160	178
PROJECT FILE NO.		607397	

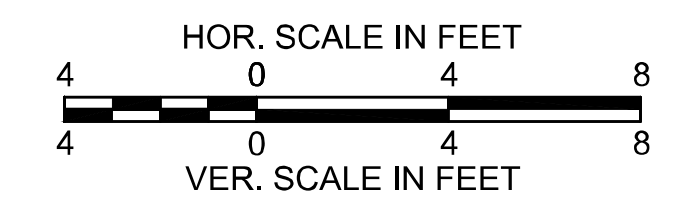
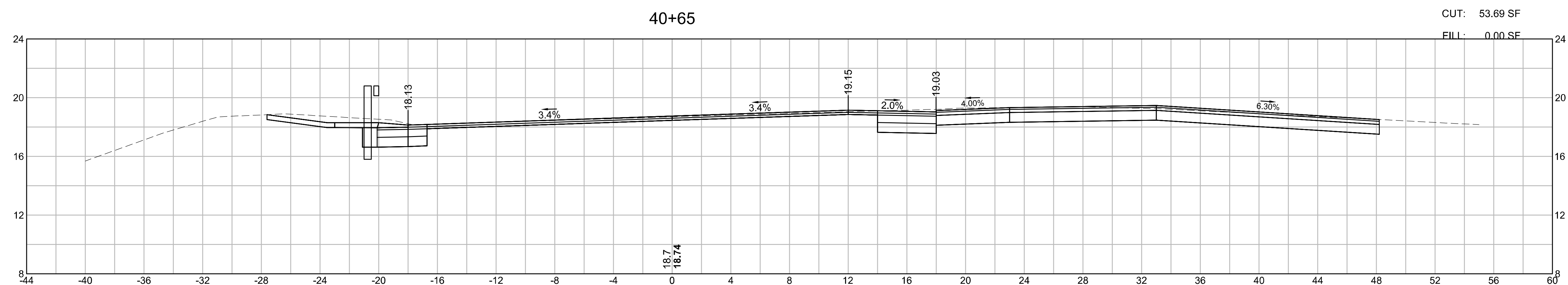
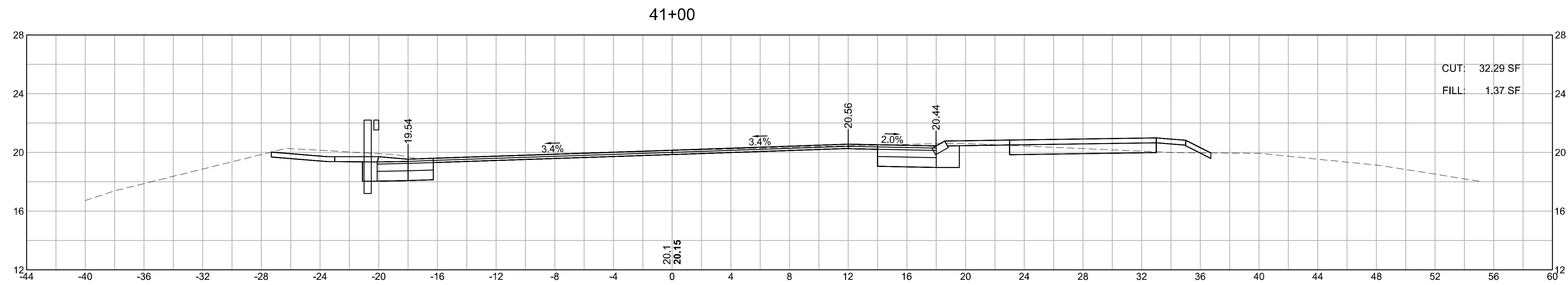
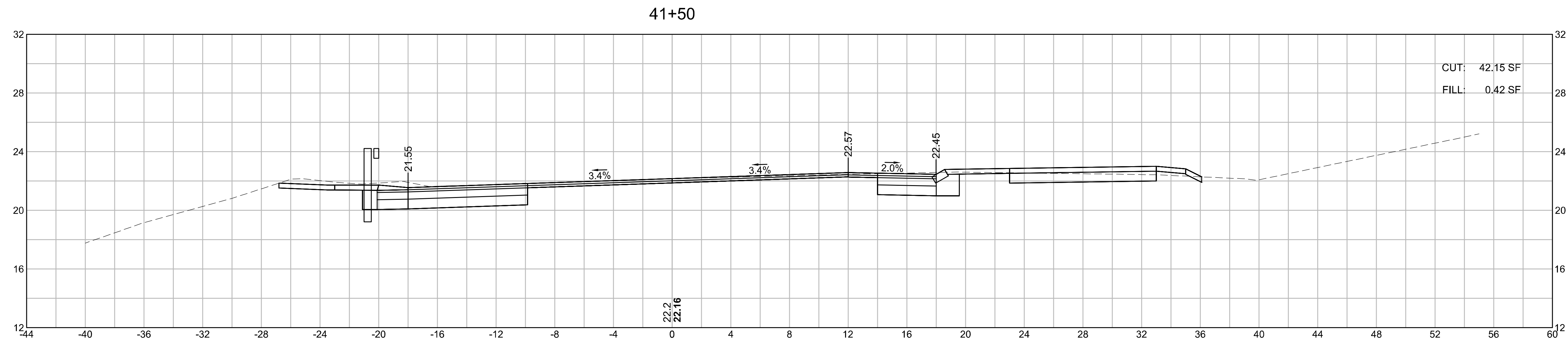
**CROSS SECTIONS
ROUTE 6
PART 40 OF 51**



**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	161	178
PROJECT FILE NO.		607397	

**CROSS SECTIONS
ROUTE 6
PART 41 OF 51**

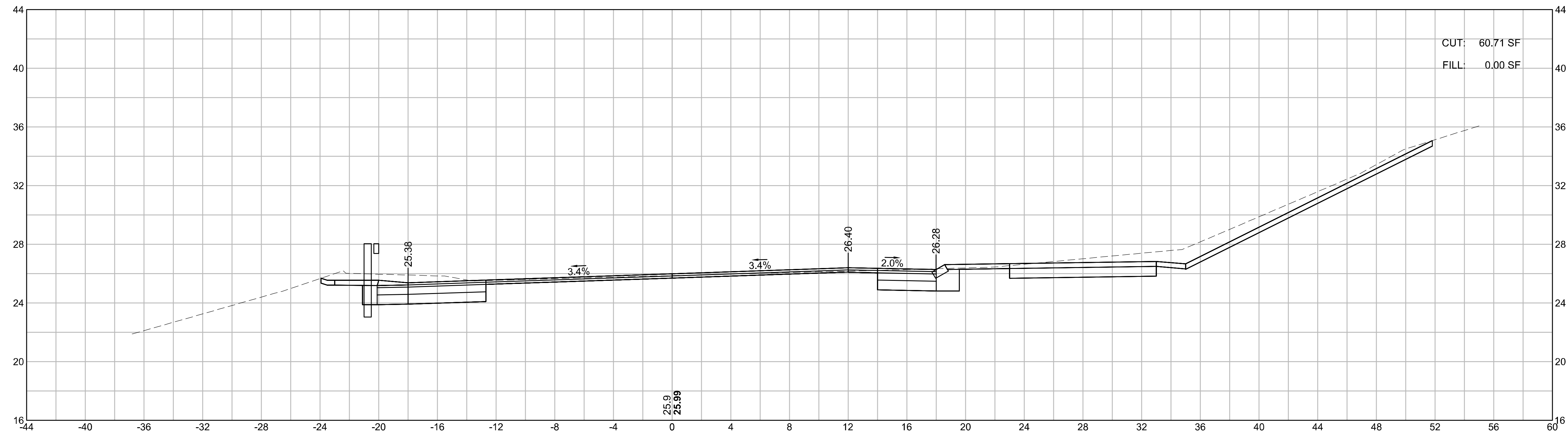


WELLFLEET
ROUTE 6 / MAIN STREET

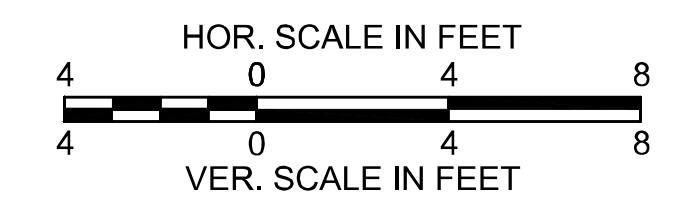
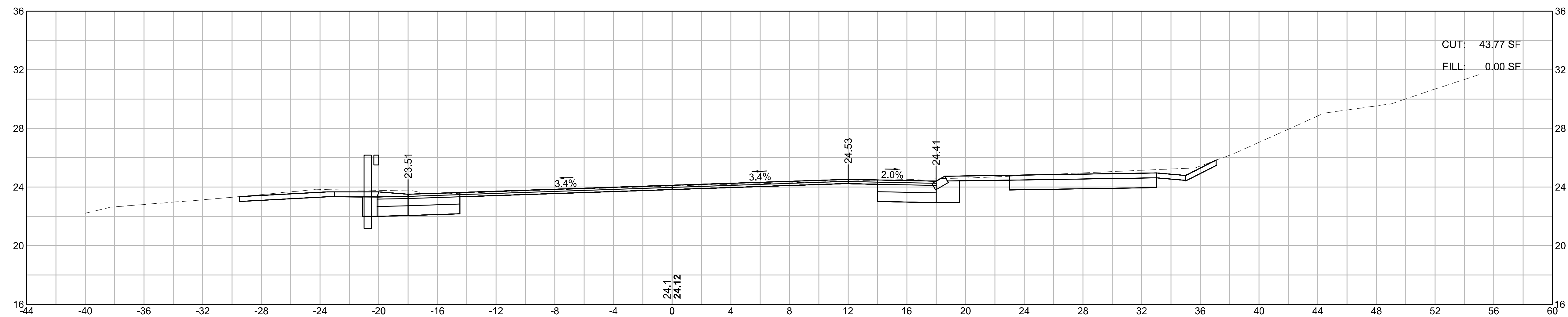
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	162	178
PROJECT FILE NO.		607397	

CROSS SECTIONS
ROUTE 6
PART 42 OF 51

42+50



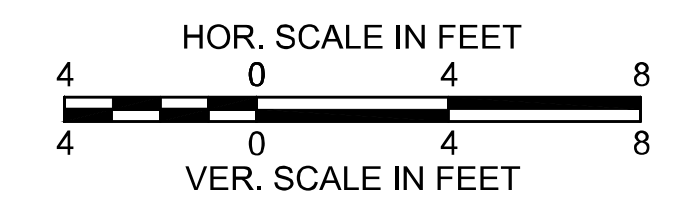
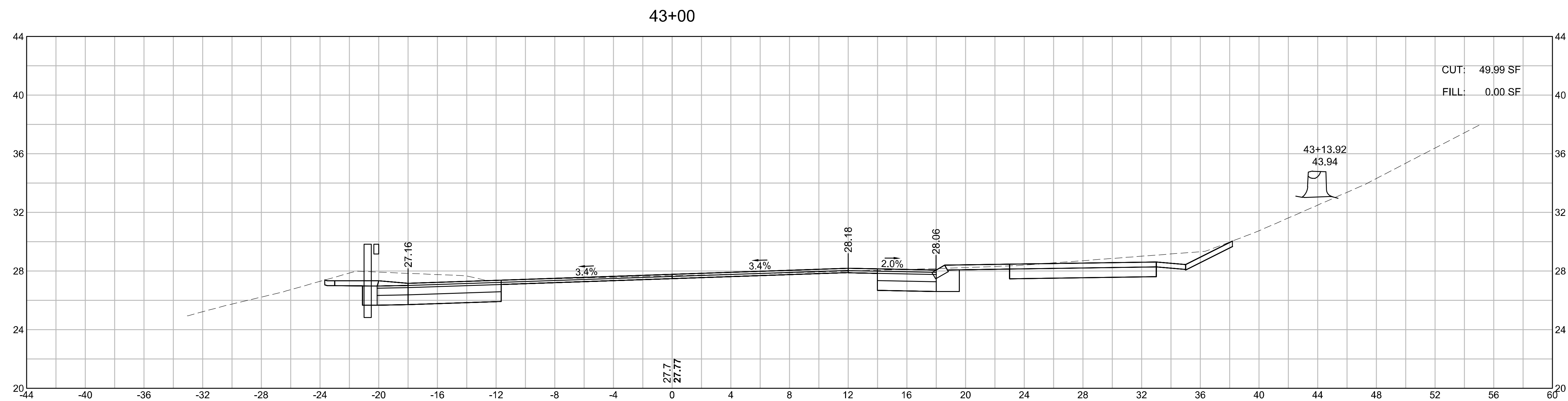
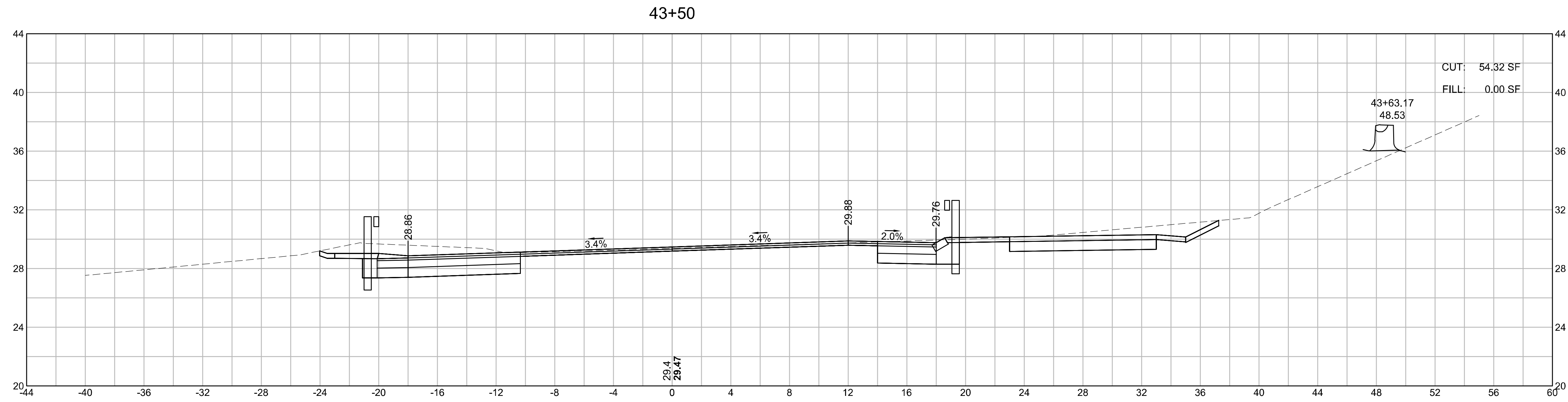
42+00



WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	163	178
PROJECT FILE NO.		607397	

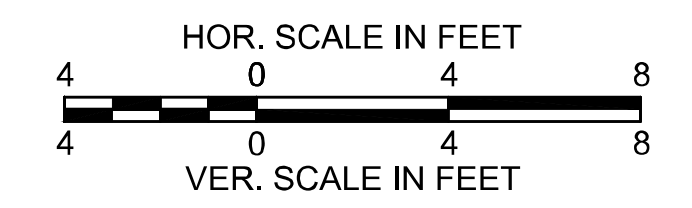
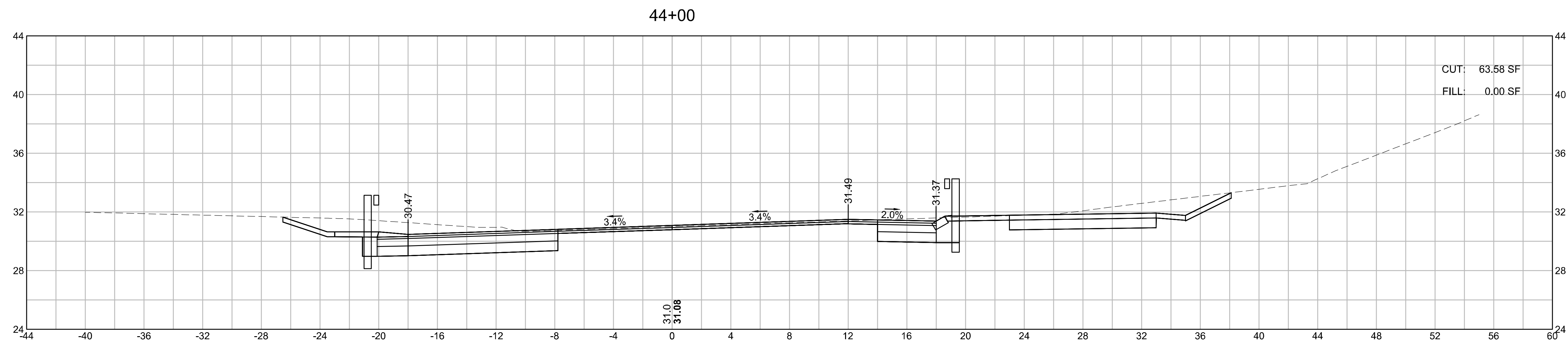
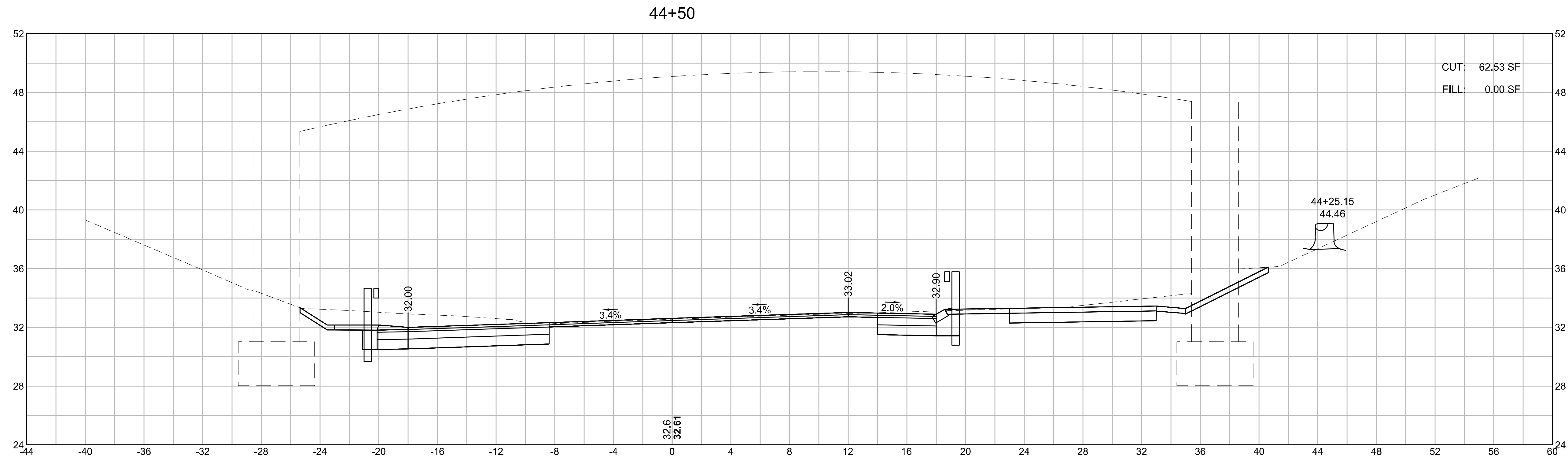
CROSS SECTIONS
ROUTE 6
PART 43 OF 51



**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	164	178
PROJECT FILE NO.		607397	

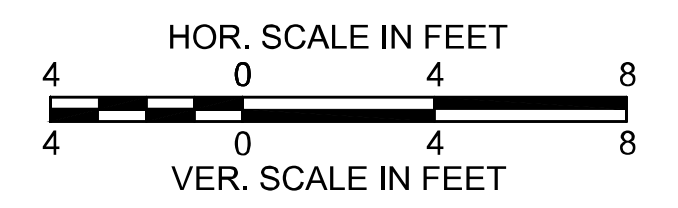
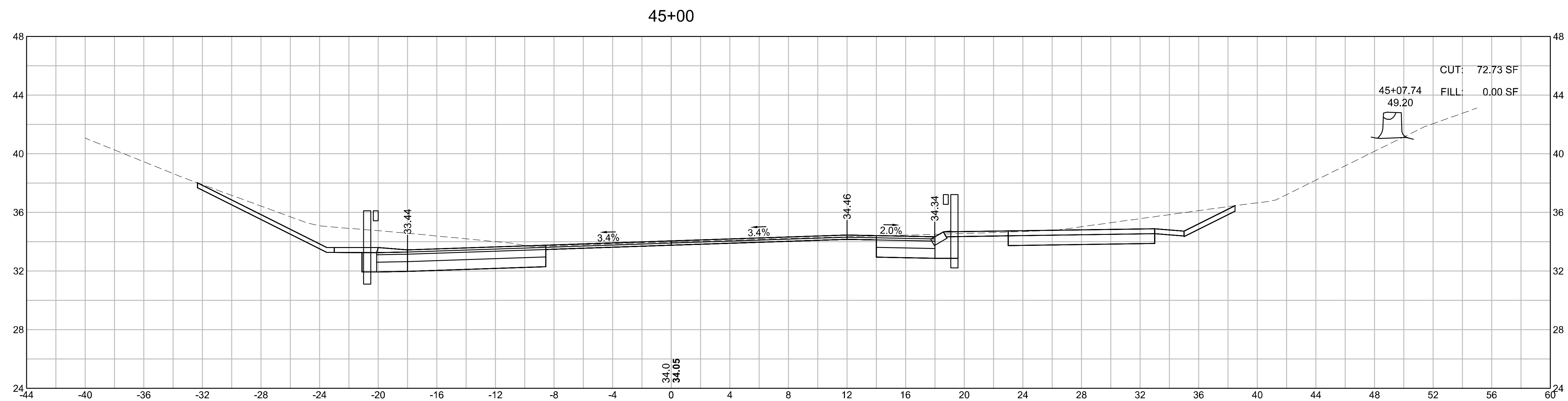
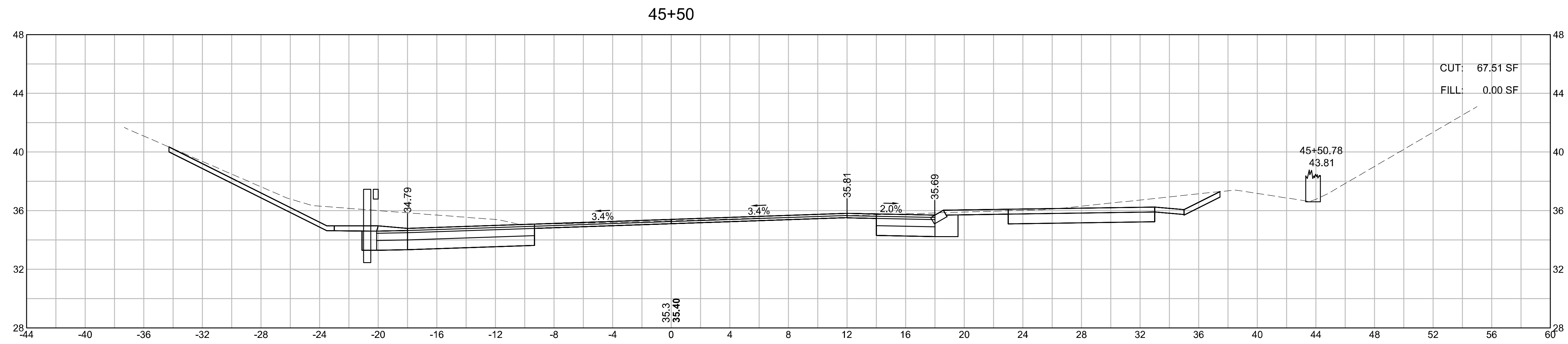
**CROSS SECTIONS
ROUTE 6
PART 44 OF 51**



WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	165	178
PROJECT FILE NO.		607397	

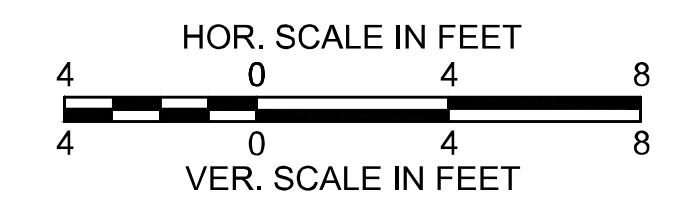
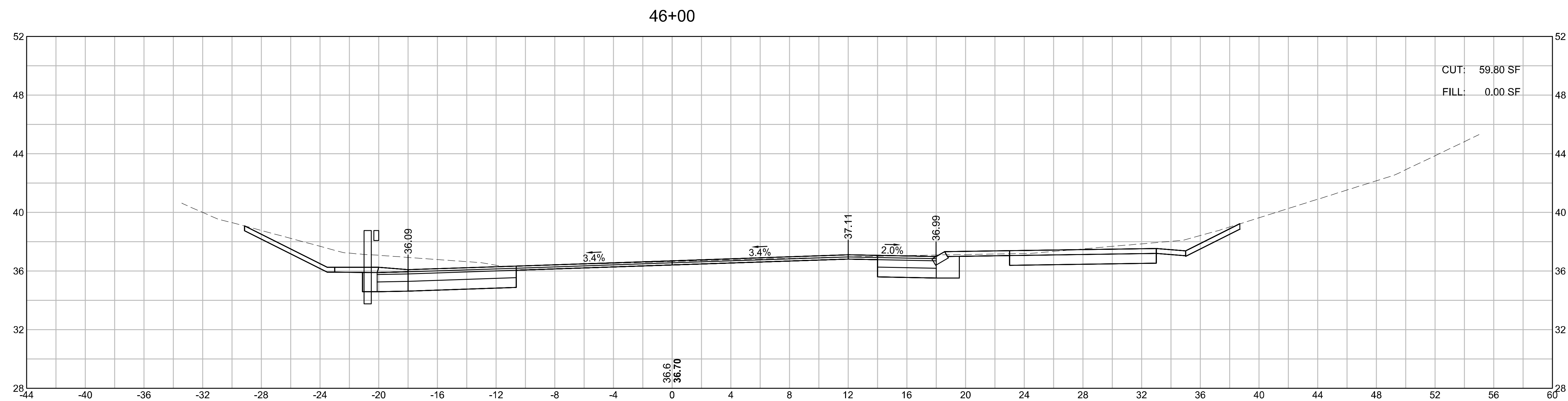
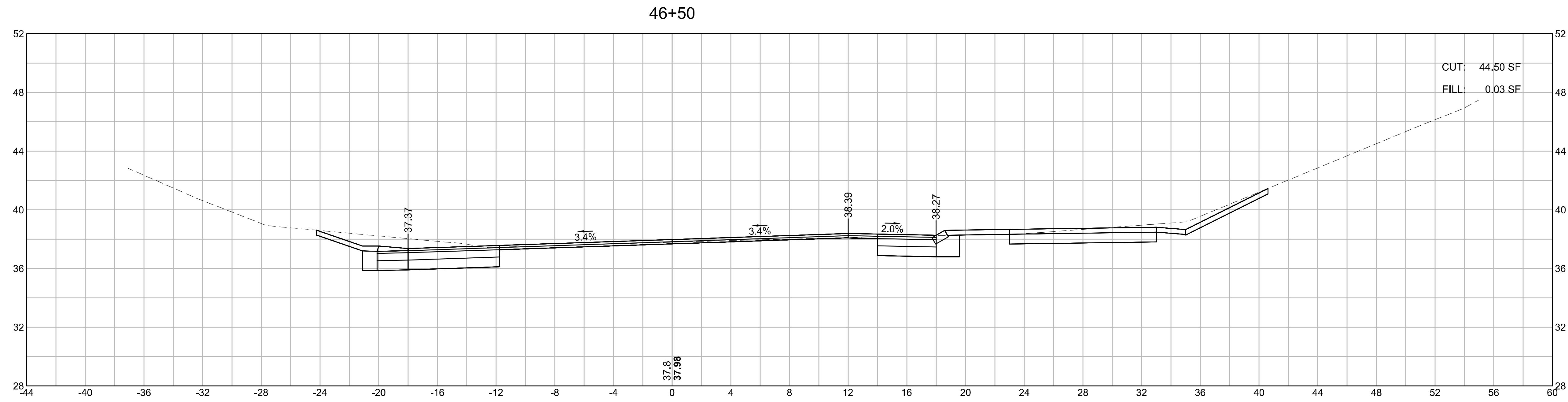
CROSS SECTIONS
ROUTE 6
PART 45 OF 51



**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	166	178
PROJECT FILE NO.		607397	

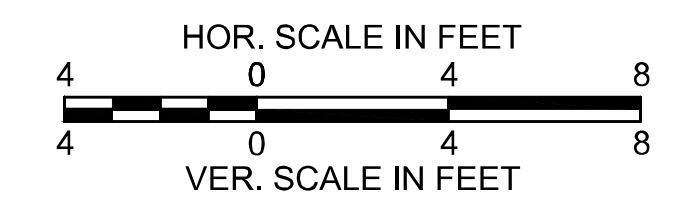
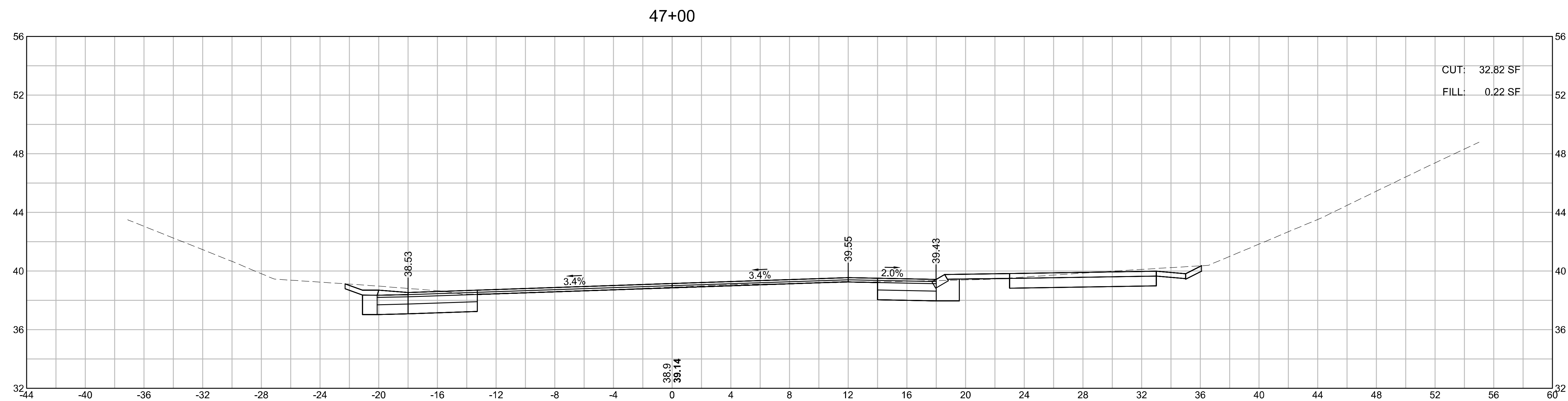
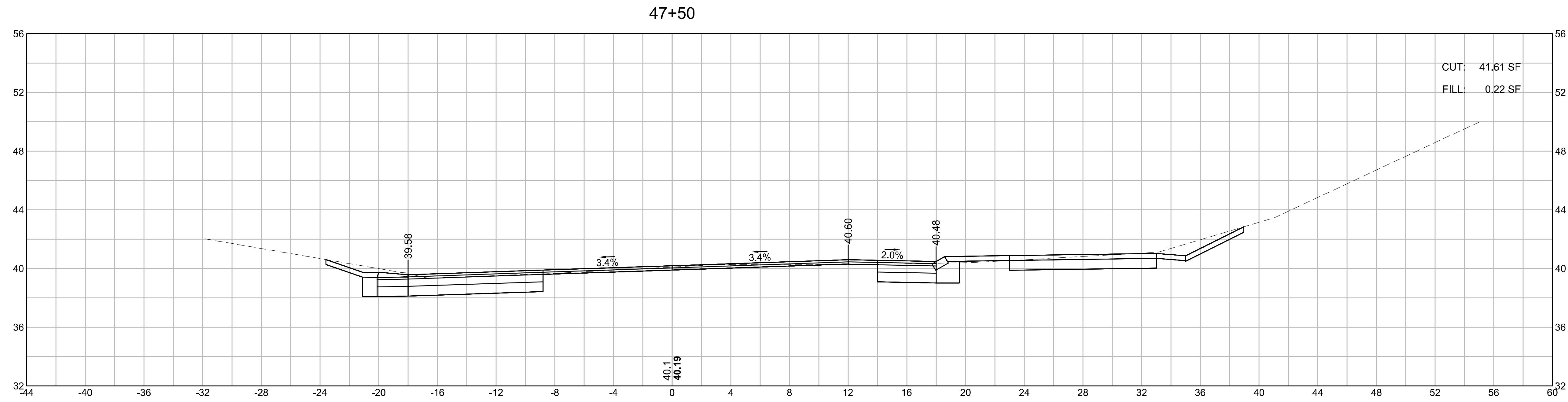
**CROSS SECTIONS
ROUTE 6
PART 46 OF 51**



**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	167	178
PROJECT FILE NO.		607397	

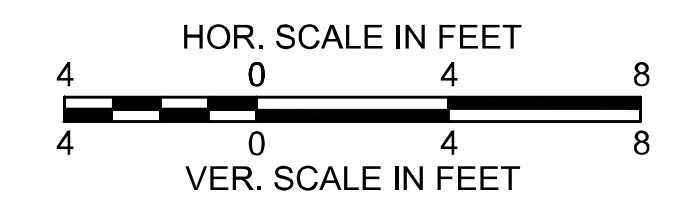
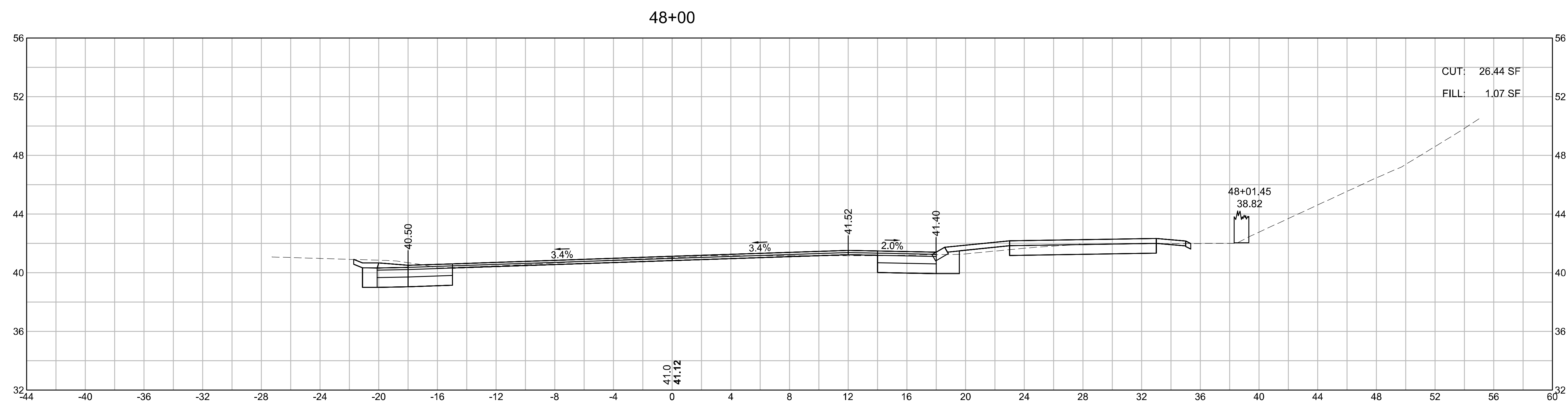
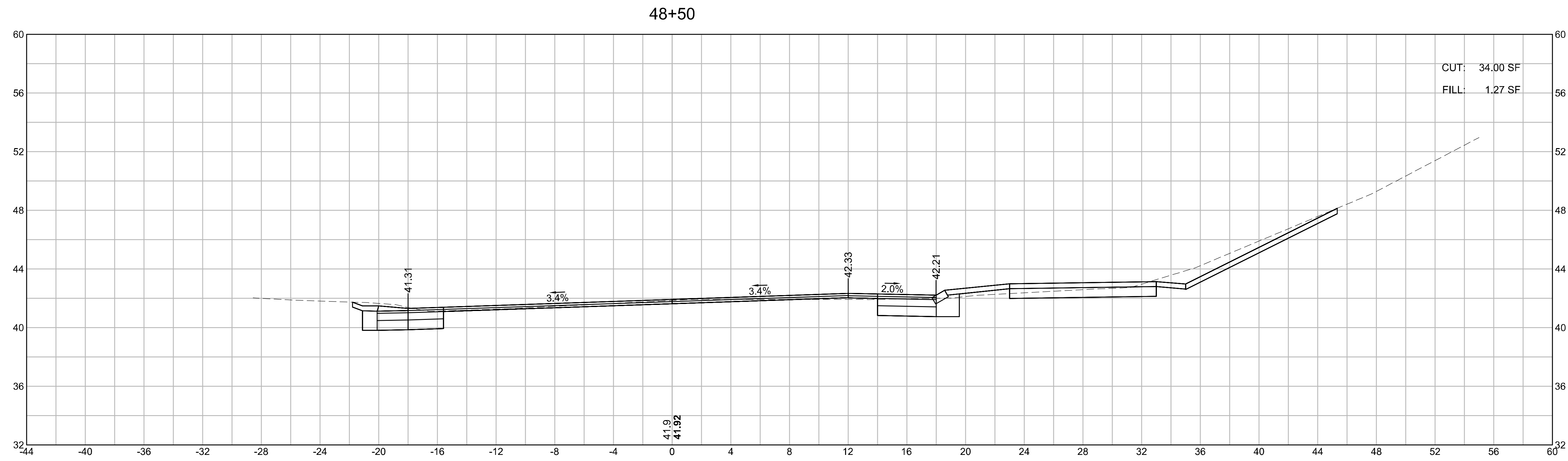
**CROSS SECTIONS
ROUTE 6
PART 47 OF 51**



WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	168	178
PROJECT FILE NO.		607397	

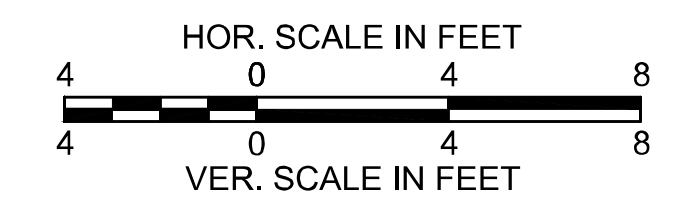
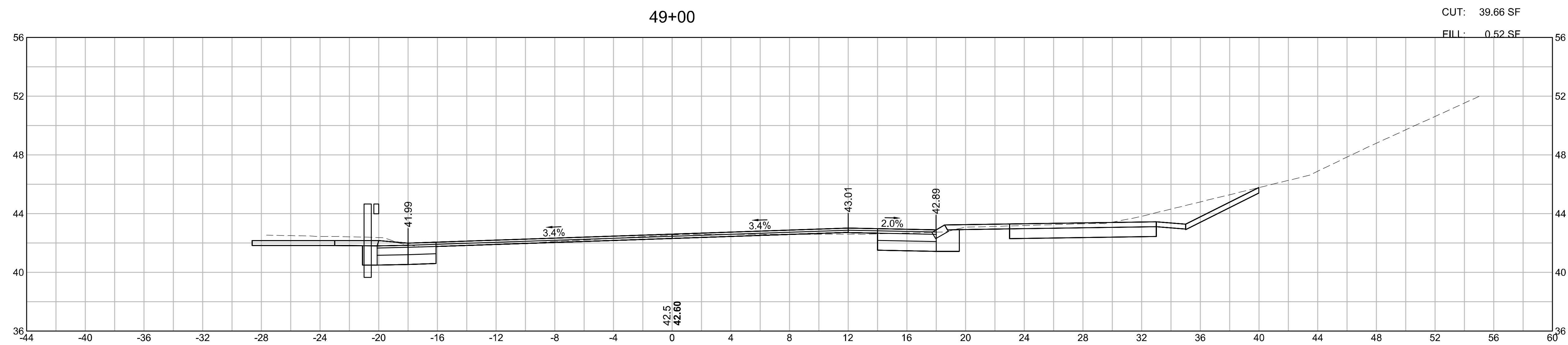
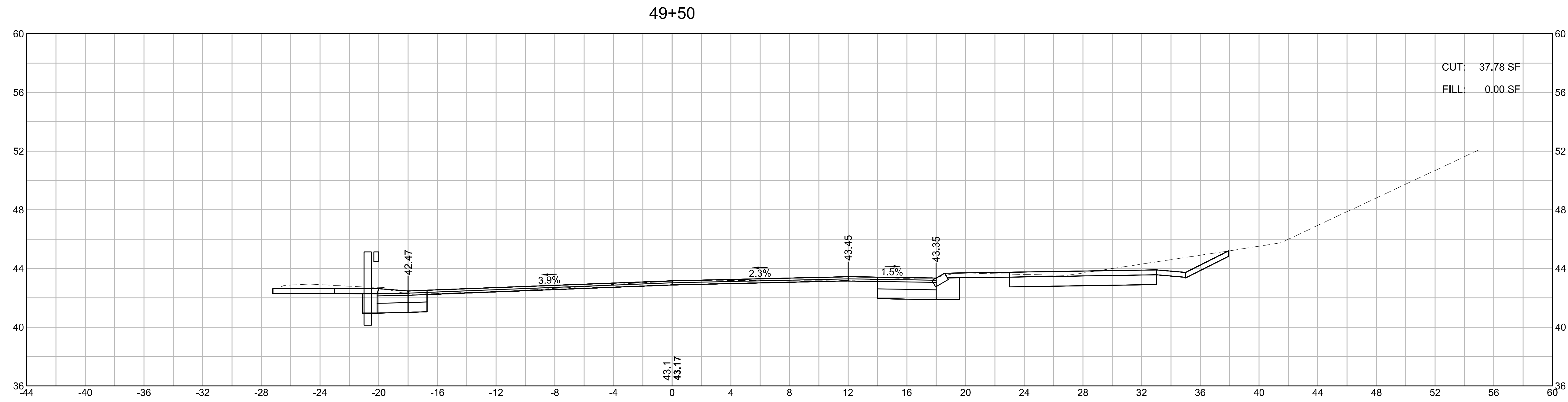
CROSS SECTIONS
ROUTE 6
PART 48 OF 51



**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	169	178
PROJECT FILE NO.		607397	

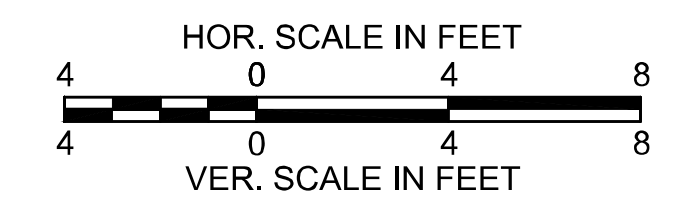
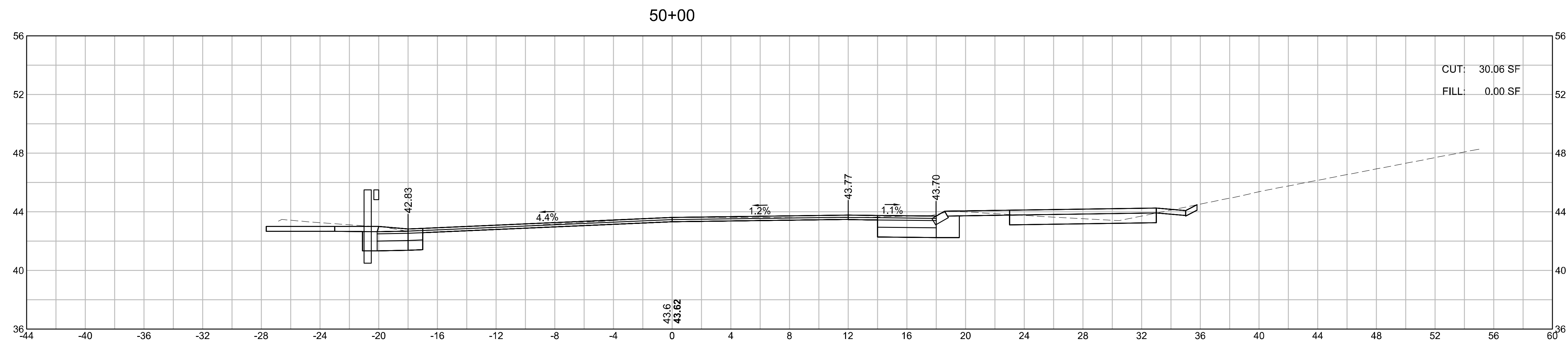
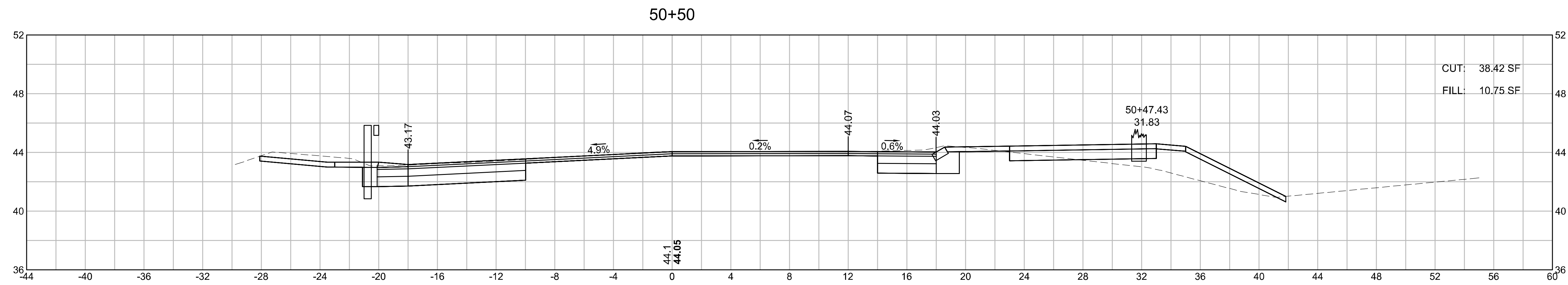
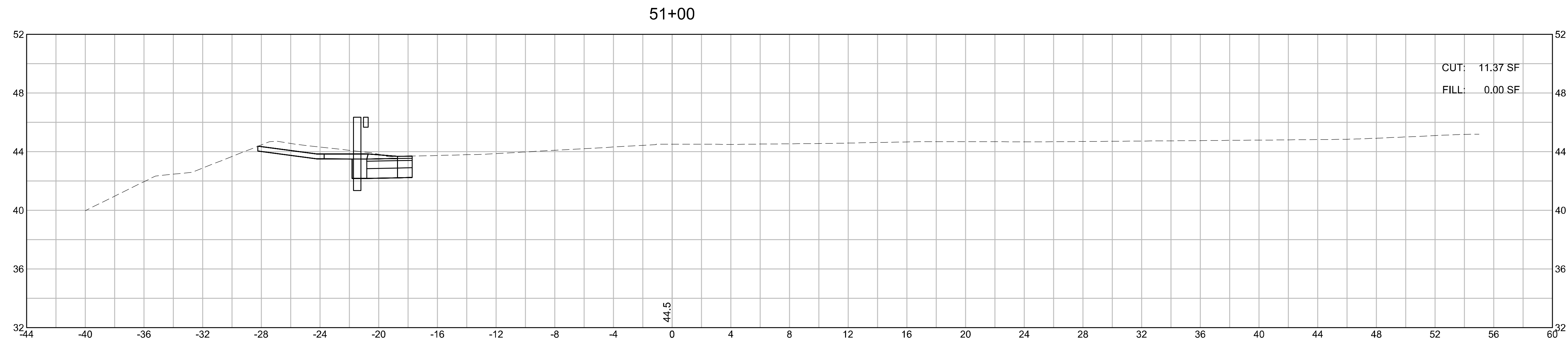
**CROSS SECTIONS
ROUTE 6
PART 49 OF 51**



WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	170	178
PROJECT FILE NO.		607397	

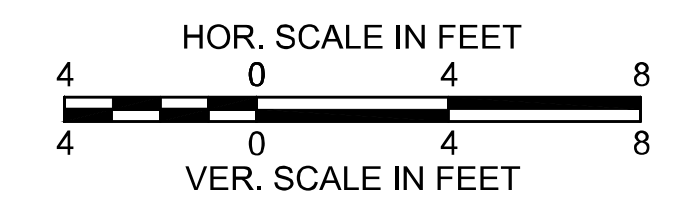
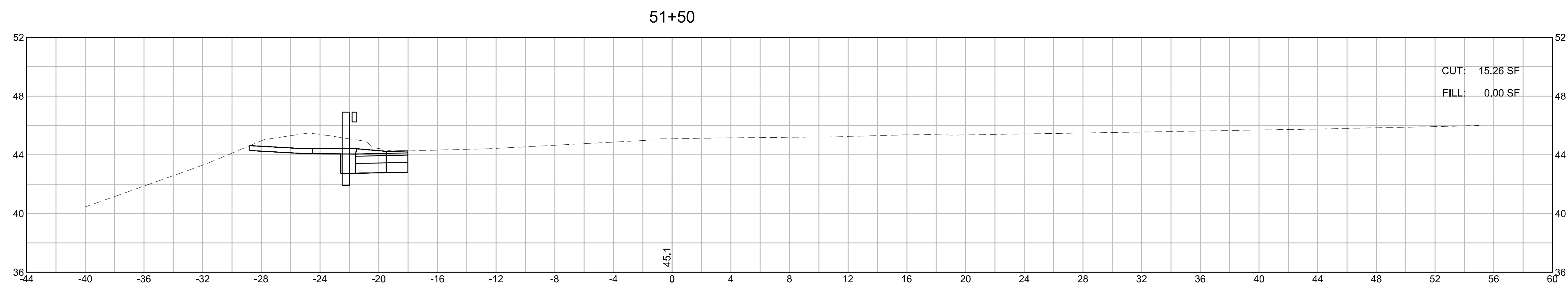
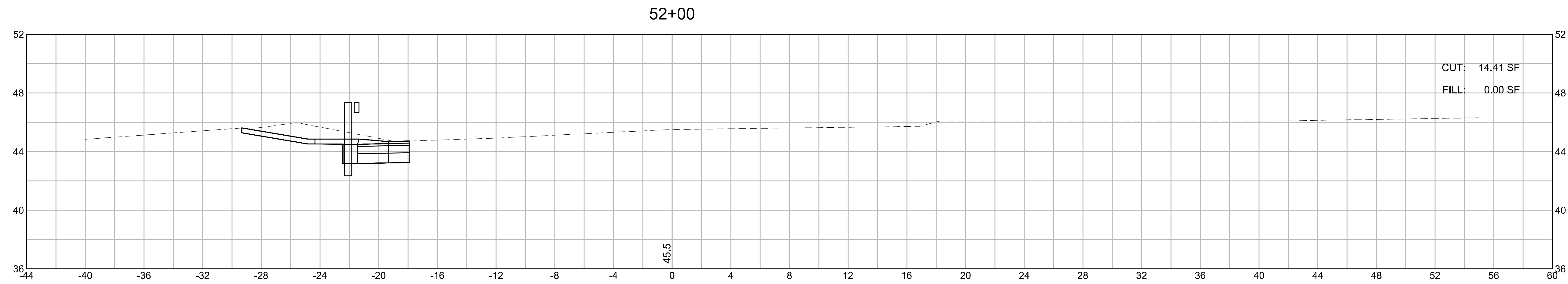
CROSS SECTIONS
ROUTE 6
PART 50 OF 51



**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	171	178
PROJECT FILE NO.		607397	

**CROSS SECTIONS
ROUTE 6
PART 51 OF 51**

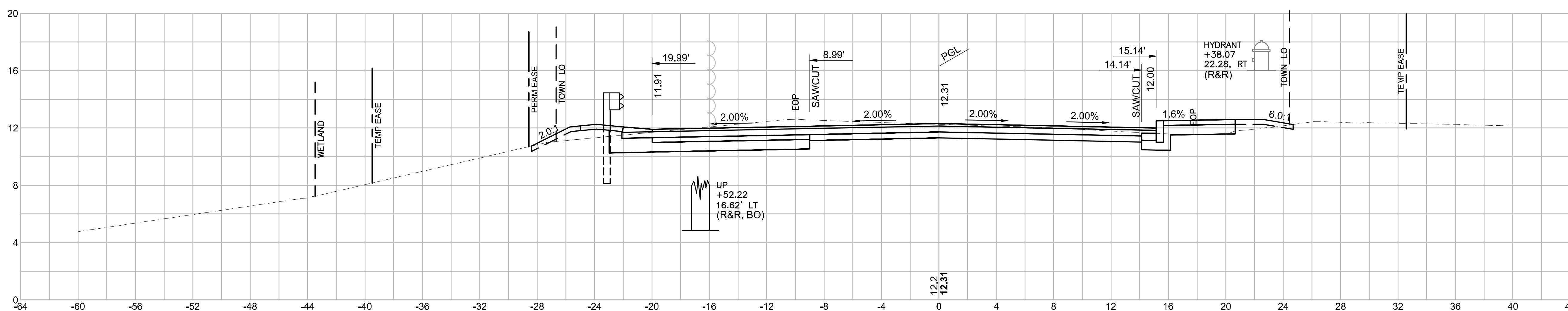


**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	172	178
PROJECT FILE NO.		607397	

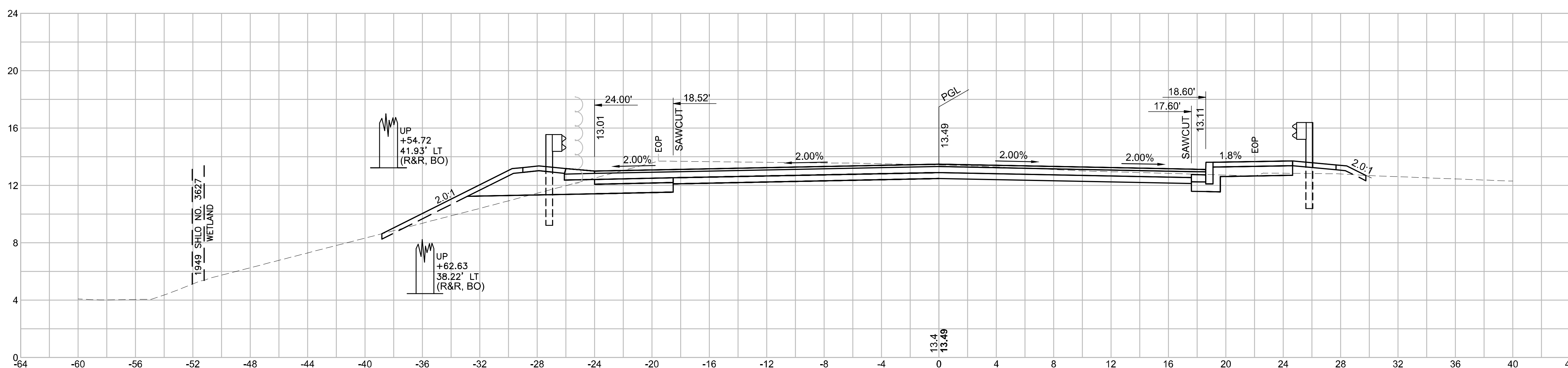
**CROSS SECTIONS
MAIN STREET
PART 1 OF 7**

101+50

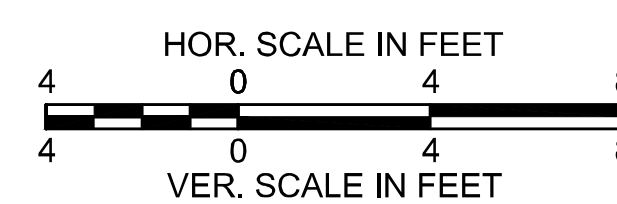


CUT = 25.30 SF
FILL = 2.68 SF
ADDITIONAL RECLAIM CUT = 1.72 SF

101+00



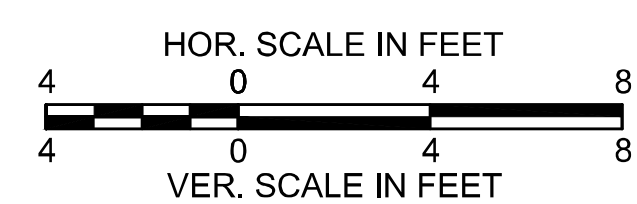
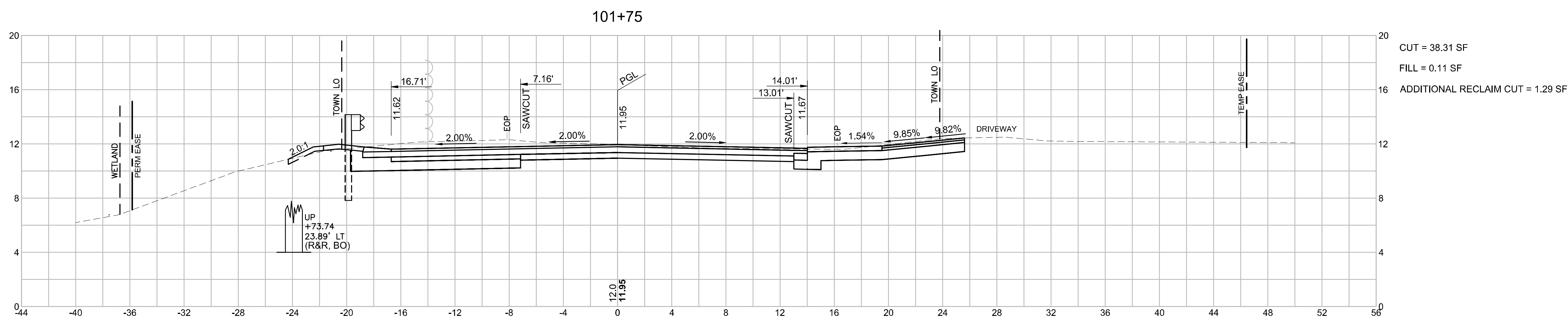
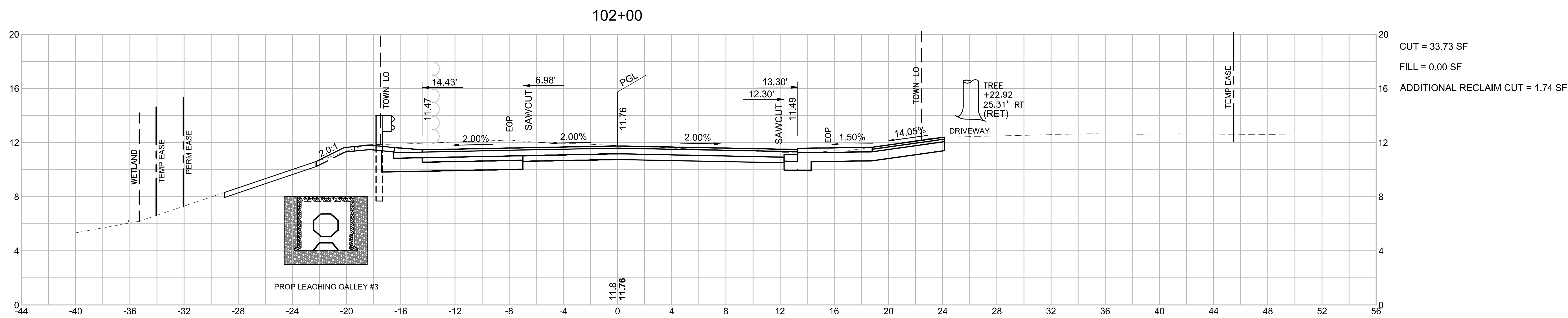
CUT = 15.23 SF
FILL = 5.24 SF
ADDITIONAL RECLAIM CUT = 5.13 SF



WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	173	178
PROJECT FILE NO.		607397	

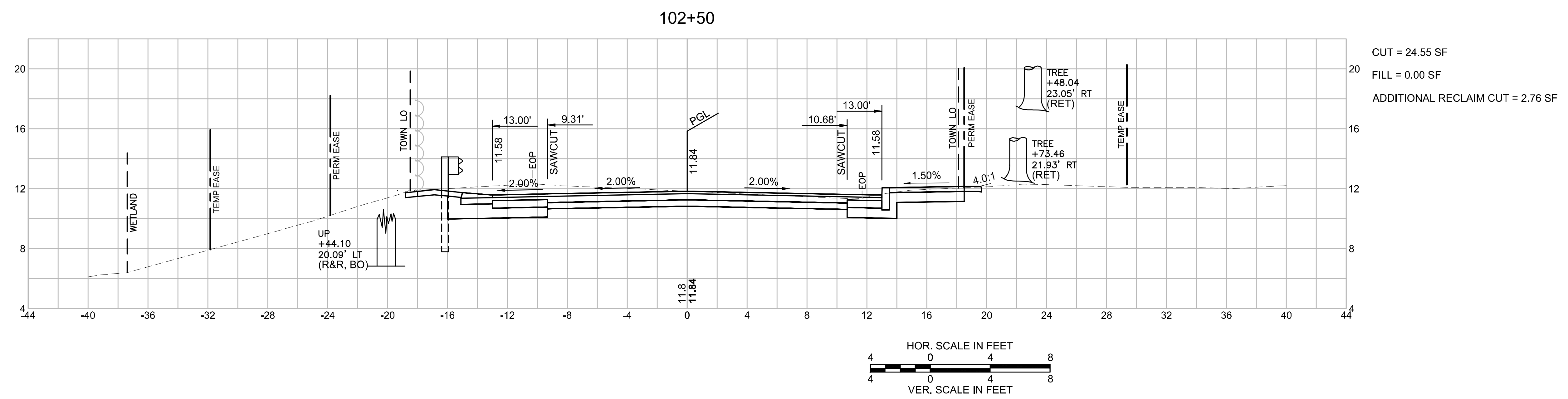
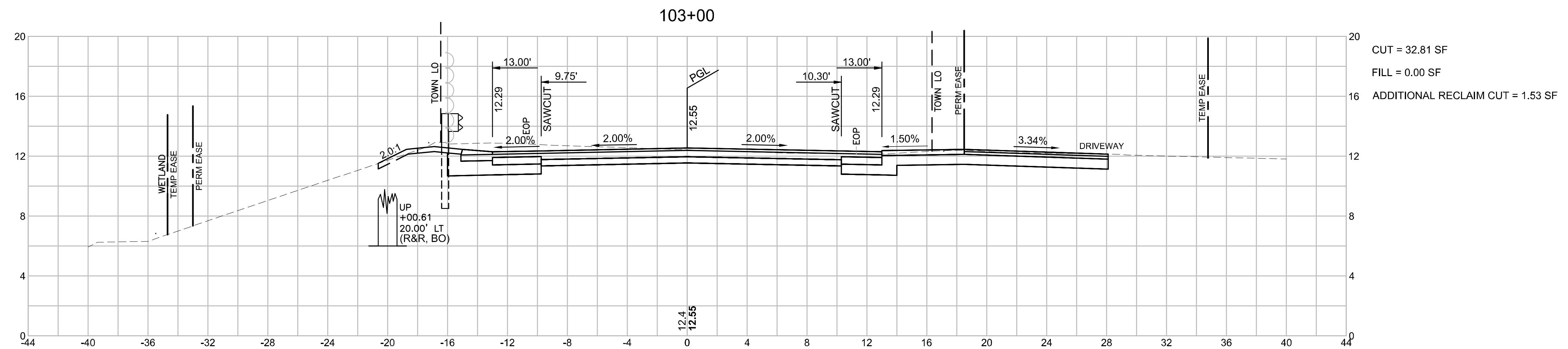
CROSS SECTIONS
MAIN STREET
PART 2 OF 7



**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	174	178
PROJECT FILE NO.		607397	

**CROSS SECTIONS
MAIN STREET
PART 3 OF 7**

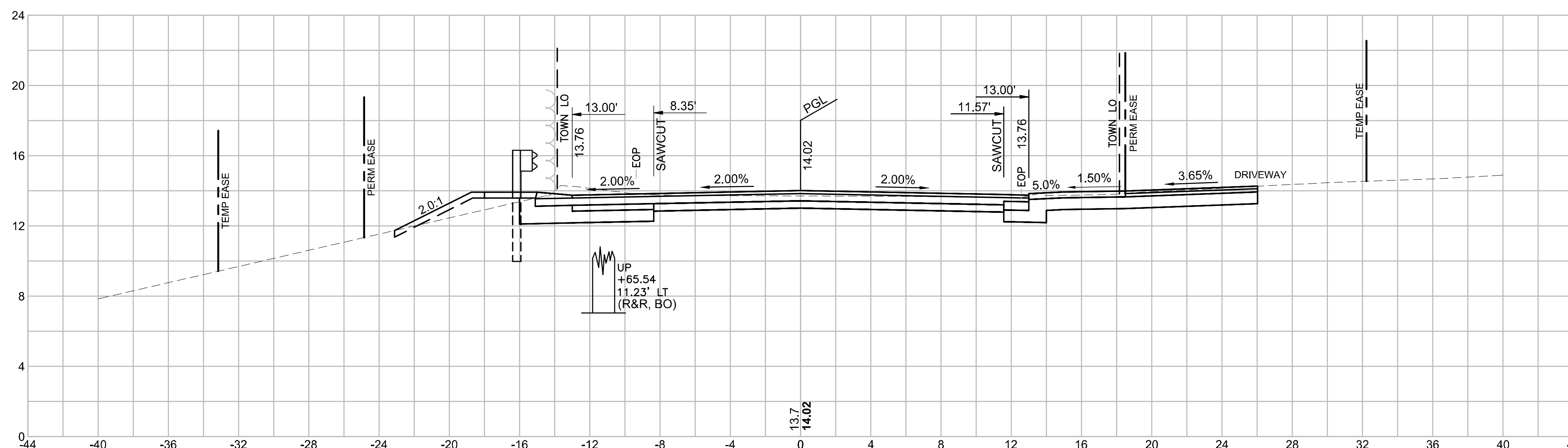


WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	175	178
PROJECT FILE NO.		607397	

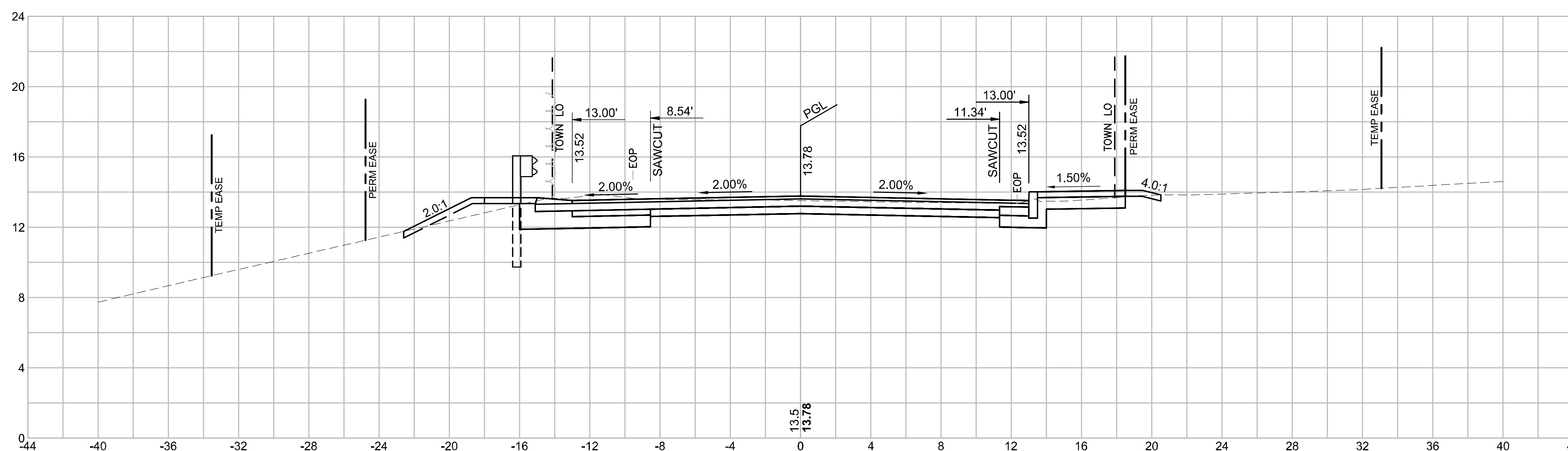
CROSS SECTIONS
MAIN STREET
PART 4 OF 7

103+59

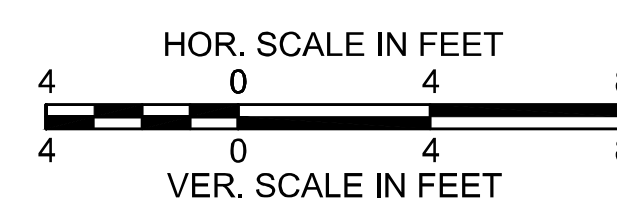


CUT = 27.83 SF
FILL = 2.64 SF
ADDITIONAL RECLAIM CUT = 0.00 SF

103+50



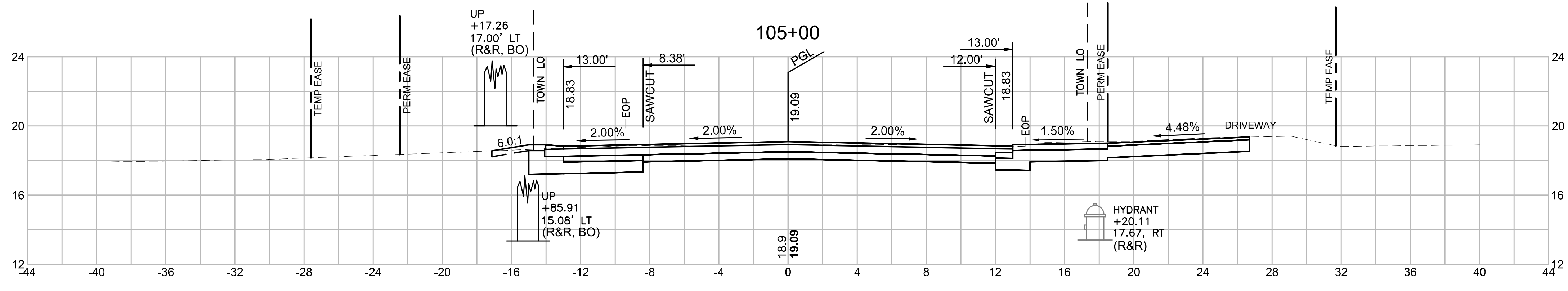
CUT = 19.43 SF
FILL = 1.90 SF
ADDITIONAL RECLAIM CUT = 0.00 SF



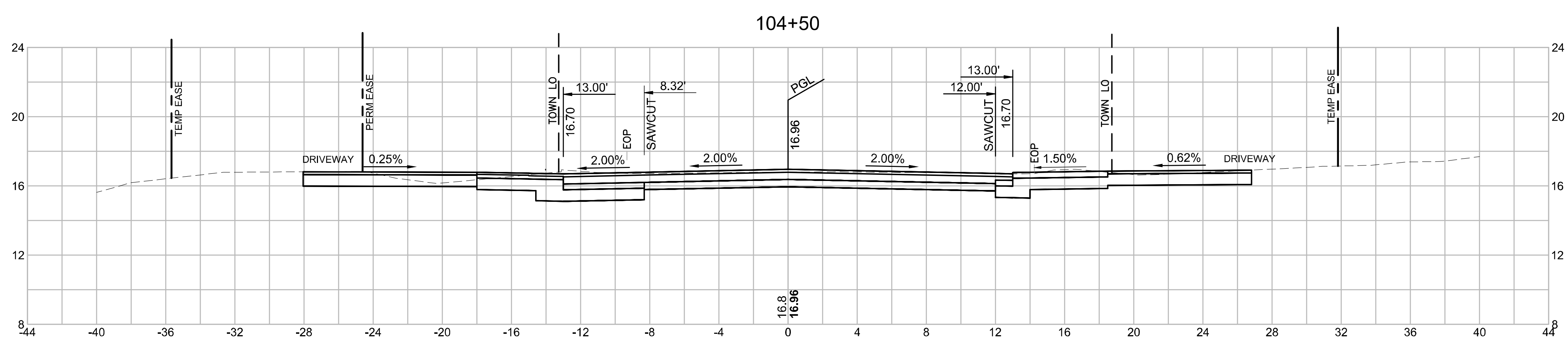
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	176	178
PROJECT FILE NO.		607397	

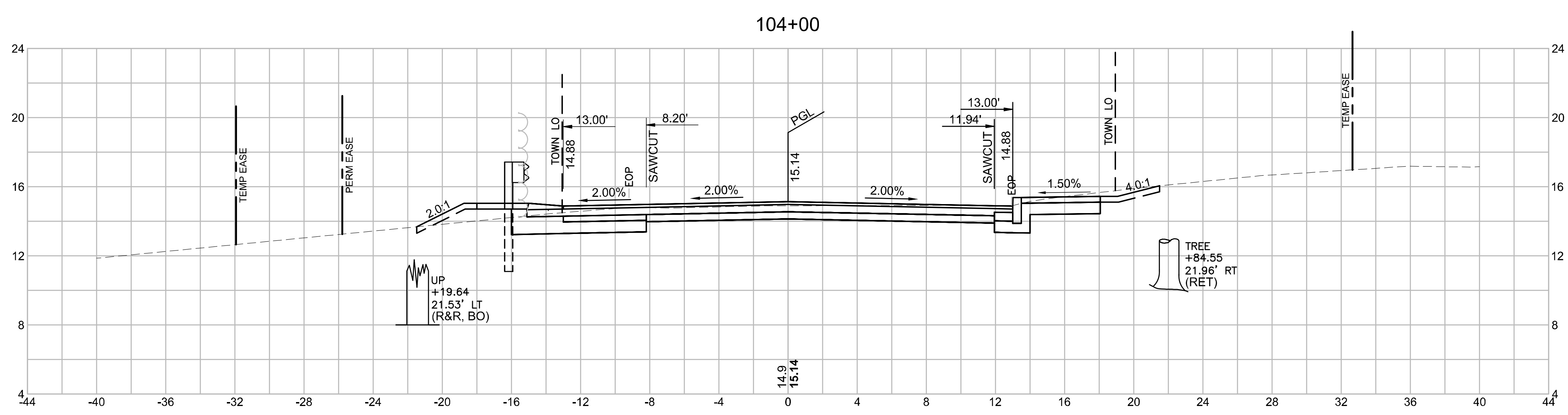
**CROSS SECTIONS
MAIN STREET
PART 5 OF 7**



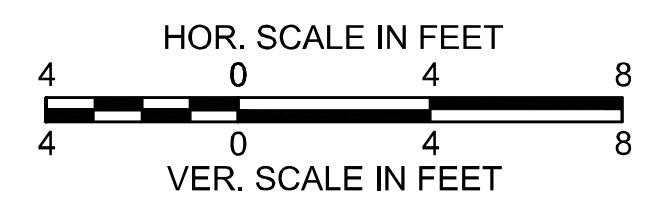
CUT = 23.93 SF
 FILL = 0.00 SF
 ADDITIONAL RECLAIM CUT = 0.00 SF



CUT = 31.53 SF
 FILL = 0.00 SF
 ADDITIONAL RECLAIM CUT = 0.00 SF



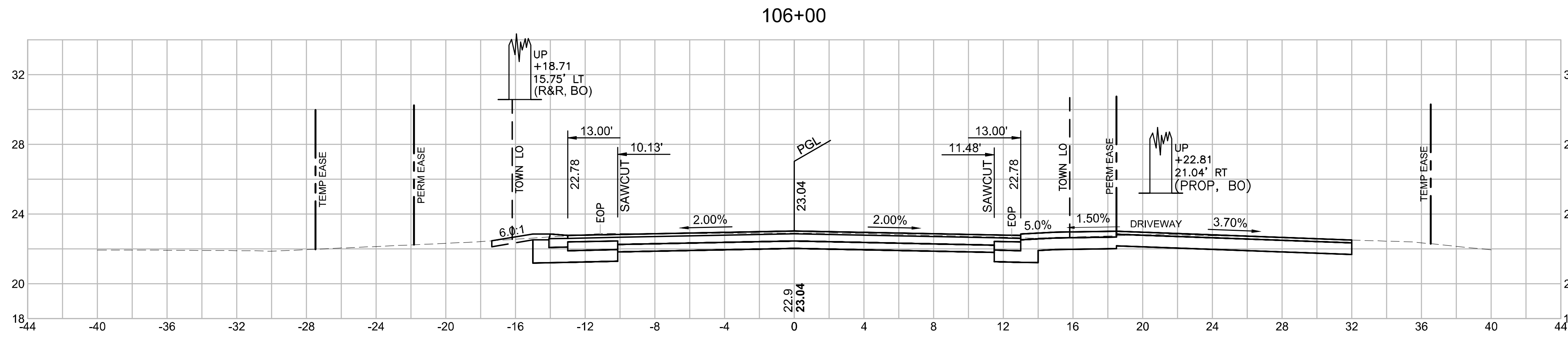
CUT = 19.24 SF
 FILL = 2.38 SF
 ADDITIONAL RECLAIM CUT = 0.00 SF



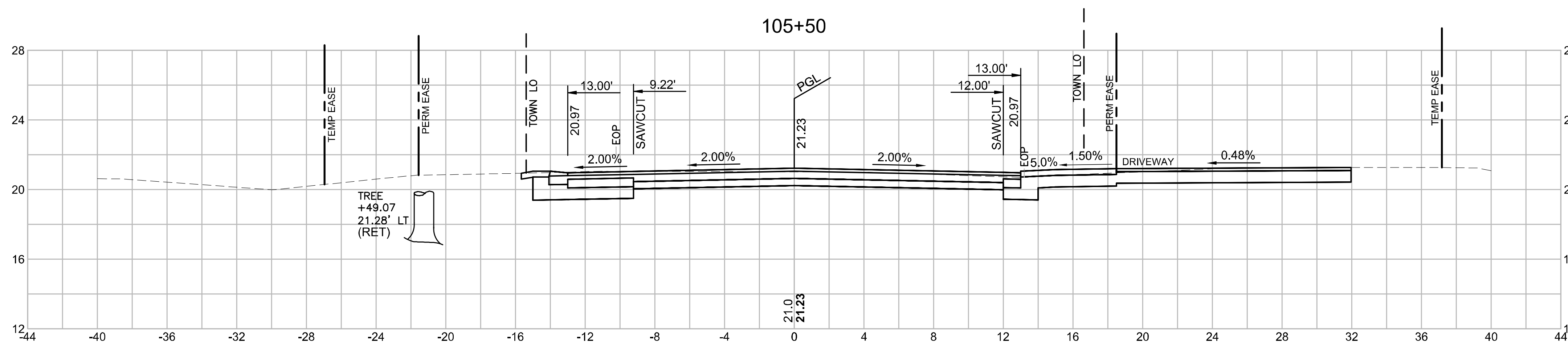
**WELLFLEET
ROUTE 6 / MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HS/STP/TAP-0035(052)X	177	178
PROJECT FILE NO.		607397	

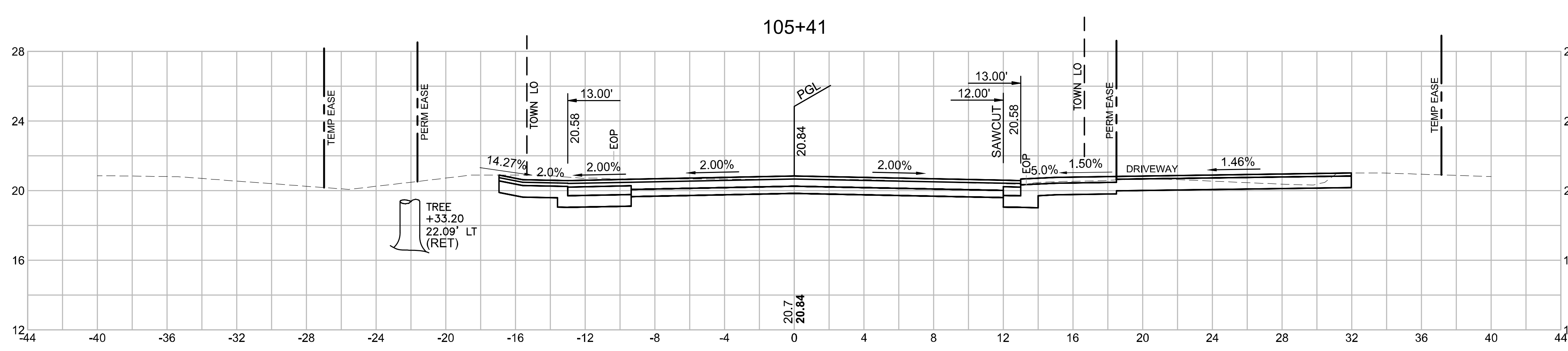
**CROSS SECTIONS
MAIN STREET
PART 6 OF 7**



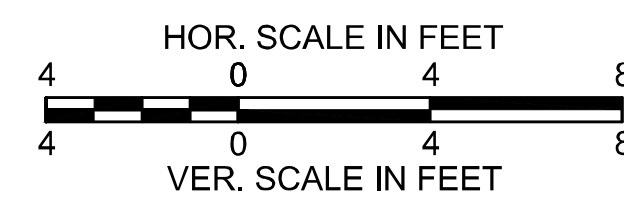
CUT = 25.37 SF
FILL = 0.00 SF
ADDITIONAL RECLAIM CUT = 0.05 SF



CUT = 24.69 SF
FILL = 0.00 SF
ADDITIONAL RECLAIM CUT = 0.00 SF



CUT = 22.69 SF
FILL = 0.00 SF
ADDITIONAL RECLAIM CUT = 0.02 SF



WELLFLEET
ROUTE 6 / MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/HSI/STP/TAP-0035(052)X	178	178
PROJECT FILE NO.		607397	

CROSS SECTIONS
MAIN STREET
PART 7 OF 7

