

VOTE TO APPROVE ACQUISITION OF EASEMENTS FOR IMPROVEMENT OF TURNPIKE STREET – ROUTE 138 SEGMENT 2

Article 23 To see if the Town will vote to authorize the Board of Selectmen to acquire by purchase, gift or eminent domain permanent and temporary easements or lesser title interests in all or any portions of the parcels of land on Turnpike Street listed below and shown on the plan entitled “Preliminary Right of Way Plans, Turnpike Street (Route 138) – Segment 2, in the Town of Canton, Norfolk County,” dated December 18, 2009, prepared by the Massachusetts Department of Transportation Highway Division and on file with the Office of the Town Clerk, for the purposes of accessing, grading, constructing and reconstructing sidewalks, curbing and driveways, installing drains and utilities, landscaping and improving Turnpike Street; to see if the Town will vote to appropriate, borrow pursuant to any applicable statute or transfer from available funds, a sum of money for such purposes; or to take any other action related thereto.

<u>Property Address</u>	<u>Assessor ID</u>
138 Turnpike St	Map 80, Lot 77
122 & 124 Turnpike St.	Map 80, Lot 171
116 Turnpike St.	Map 80, Lot 78
0 Randolph & 109 Turnpike St.	Map 80, Lots 60 and 64
0 Turnpike St.	Map 80, Lot 79
106 Turnpike St.	Map 81, Lot 22
91 Turnpike St.	Map 81, Lot 46
21 Red Tail Run	Map 81, Lot 45
81 Turnpike St.	Map 81, Lot 3
59 Turnpike St.	Map 81, Lot 7

Board of Selectmen

Art. 23

MASSACHUSETTS DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION

PRELIMINARY RIGHT OF WAY PLANS TURNPIKE STREET (ROUTE 138) - SEGMENT 2

IN THE TOWN OF
CANTON
NORFOLK COUNTY

FEDERAL AID PROJECT NO:

CANTON			
TURNPIKE ST (RTE 138) - SEGMENT 2			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.		1	7
PROJECT FILE NO. 859007			
PRELIMINARY RIGHT OF WAY TITLE & INDEX SHEET			

INDEX

SHEET NO.	DESCRIPTION
1	TITLE & INDEX SHEET
2	LEGEND & GENERAL NOTES
3	TYPICAL SECTIONS & PAVEMENT NOTES
4	PARCEL SUMMARY SHEET
5-7	RIGHT OF WAY PLANS

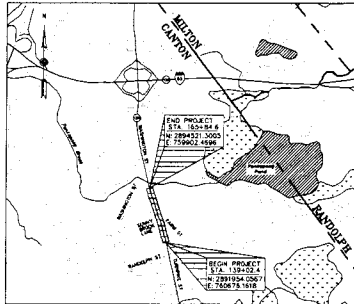
REFERENCE MANUALS

THE 1988 MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES (ENGLISH EDITION); THE SUPPLEMENTAL SPECIFICATIONS (ENGLISH EDITION) DATED JUNE 8, 2006; THE 1977 MDPW CONSTRUCTION STANDARDS (ENGLISH EDITION); THE METRO/ENGLISH SUPPLEMENTAL DRAWINGS DATED APRIL 2003; THE 2003 "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD)" WITH LATEST REVISIONS; THE 1990 STANDARD DRAWINGS FOR SIGNS AND SUPPORTS; THE 1988 "STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING"; AND THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z-60.1-2004) AND ALL AMENDMENTS WILL GOVERN.

DESIGN DESIGNATION

TURNPIKE STREET (RTE 138) ● RANDOLPH ST
 POSTED SPEED = 45 mph (ROUTE 138)
 DESIGN SPEED = 50 mph (ROUTE 138)
 ADT (1999) = 28,650 VPD
 ADT (2009) = 31,680 VPD
 K = 7.9%
 D = 57% (SB)
 T (PEAK HOUR) = 3%
 T (AVERAGE DAY) = 3%
 DHV = 2500 VPH
 DDHV = 1425 VPH (SB)
 FUNCTIONAL CLASSIFICATION =
 URBAN PRINCIPAL ARTERIAL

TURNPIKE STREET (RTE 138) ● WASHINGTON ST
 POSTED SPEED = 45 mph (ROUTE 138)
 DESIGN SPEED = 50 mph (ROUTE 138)
 ADT (1999) = 43,860 VPD
 ADT (2009) = 48,460 VPD
 K = 7.0%
 D = 58% (SB)
 T (PEAK HOUR) = 3%
 T (AVERAGE DAY) = 3%
 DHV = 3390 VPH
 DDHV = 1970 VPH (SB)
 FUNCTIONAL CLASSIFICATION =
 URBAN PRINCIPAL ARTERIAL



SCALE (IN FEET)

LENGTH OF PROJECT: 2,700 FEET

DECEMBER 18, 2009

CONVENTIONAL SIGNS

COUNTY, CITY OR TOWN BOUNDARY	-----
COUNTY, CITY OR TOWN SIDE LINE	-----
FENCE LINE	-X-X-X-X-
BASE LINE OR SURVEY LINE	75
RIGHT OF WAY LINE	N00-31'-37"W 132.57'
CULVERT	=====
RETAINING WALL	-----
GUARD RAIL	-T-T-T-T-
STONE WALL	-----
TREE LINE	-----
POLE	○
ELEVATIONS	EXIST. SURFACE PROPOSED SURFACE 10+20



RECOMMENDED FOR APPROVAL

Date	
VANASSE HANGEN BRUSTLIN, INC.	CHIEF ENGINEER Date
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION APPROVED	APPROVED
DIVISION ADMINISTRATOR Date	DIVISION ADMINISTRATOR Date

FEDERAL AID PROJECT NO. 859007
 PROJECT NUMBER
 STRUCTURAL NUMBER
 SHEET NUMBER
 TOTAL SHEETS

GENERAL SYMBOLS

EXISTING	PROPOSED	
		CATCH BASIN (OR GUTTER INLET)
		CATCH BASIN (OR GUTTER INLET) WITH CURB INLET (GUTTERMOUTH)
		EDGE OF ROAD
		ELECTRIC MANHOLE (NUMBER AS NOTED)
		TELEPHONE MANHOLE
		WATER MANHOLE
		SEWER MANHOLE
		DRAINAGE MANHOLE
		GAS GATE
		WATER GATE
		CURB STOP
		HYDRANT
		FIRE ALARM BOX
		PARKING METER
		STREET LIGHT POLE
		UTILITY POLE
		GUY POLE
		DRAIN PIPE (DOUBLE LINE 24" AND OVER)
		SEWER MAIN
		ELECTRIC DUCT
		GAS MAIN
		WATER MAIN
		TELEPHONE DUCT
		MAIL BOX
		HIGHWAY GUARD (TYPE NOTED)
		FENCE (SIZE AND TYPE NOTED)
		HIGHWAY/PROPERTY BOUND (TYPE NOTED)
		CITY, TOWN, OR COUNTY LAYOUT
		STATE HIGHWAY LAYOUT (S.H.L.D.)
		EASEMENT LINE
		PROPERTY LINE
		CITY, TOWN, OR COUNTY BOUNDARY
		STATE BOUNDARY
		BASE OF SURVEY LINE
		CONSTRUCTION BASELINE
		TREE (SIZE AND TYPE NOTED)
		APPROXIMATE FULL DEPTH AREA
		BORINGS, PAVEMENT CORES
		TEST PIT
		HAYBALE

PAVEMENT MARKINGS AND SIGNING SYMBOLS

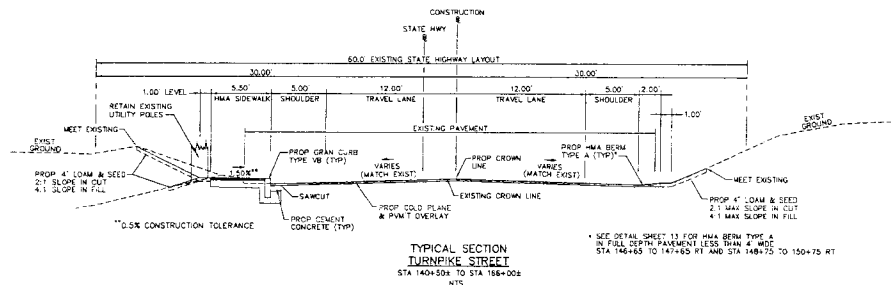
EXISTING	PROPOSED	
		PAVEMENT ARROW AND LEGEND
		CROSSWALK, 2-12" WHITE LINES (MOTH NOTED)
		STOP LINE, 12" WHITE LINE 4' BEHIND CW (TYP)
		YIELD LINE, 24" x 36" WHITE TRIANGLE, 36" O.C.
		SOLID WHITE CHANNELIZING LINE-SIZE AS NOTED
		SOLID YELLOW CHANNELIZING LINE-SIZE AS NOTED
		BROKEN WHITE LANE LINE - 6"
		SOLID WHITE LANE LINE - 6"
		DOUBLE YELLOW CENTERLINE - 6"
		SOLID YELLOW EDGE LINE - 6"
		SOLID WHITE EDGE LINE - 6"
		BROKEN YELLOW LANE LINE - 6"
		BICYCLE LANE
		SIGN AND POST
		DELINEATOR

GENERAL NOTES

1. TOPOGRAPHICAL INFORMATION FROM A SURVEY BY VANASSE HANGEN BRUSTLIN, INC., WATERTOWN, MASSACHUSETTS BETWEEN THE DATES OF APRIL 2003 AND JUNE 2005. THE HORIZONTAL COORDINATE IS ON THE MASS GRID SYSTEM AND THE VERTICAL SYSTEM IS NAVD 83.
2. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
3. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
4. THE CONTRACTOR SHALL ALTER THE MASSOFT OF THE TOP SURFACE OF ALL EXISTING DRAINAGE STRUCTURES AS NECESSARY FOR CHANGES IN GRADE, AND RESET ALL WATER AND DRAINAGE FRAMES, GRATES AND BOXES TO THE PROPOSED FINISH SURFACE GRADE. REQUIRED NEW MASSOFT SHALL BE SLAY BRICK CONFORMING TO MASS 2.
5. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES.
6. TREES AND SHRUBS WITHIN THE LIMITS OF GRADING SHALL BE REMOVED ONLY UPON APPROVAL OF THE ENGINEER.
7. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT NO EXPENSE TO THE OWNER.
8. THE TERM "PROPOSED" (PROP) MEANS WORK TO BE CONSTRUCTED USING NEW MATERIALS OR, WHERE APPLICABLE, RE-USING EXISTING MATERIALS IN SUITABLE CONDITION (IDENTIFIED AS "REMOVE AND RESET" (RAR)).
9. JOINTS BETWEEN NEW HOT MIX ASPHALT ROADWAY PAVEMENT AND EXISTING EXISTING PAVEMENT SHALL BE SEALED WITH BITUMEN AND BRICKS/GRATES.
10. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL BE RETAINED UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
11. ALL LATERAL DRAIN PIPES SHALL BE INSTALLED WITH A PITCH OF 0.1 FOOT PER FOOT (MINIMUM) UNLESS NOTED OTHERWISE ON THE DRAWINGS. ALL REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS V.
12. ALL EXISTING GRANITE CURB IN SUITABLE CONDITION SHALL BE RE-USED IN THE PROPOSED WORK, EXCEPT CURVED STONES OF A DIFFERENT RADIUS THAN PROPOSED CURB.
13. ALL EXISTING STATE, COUNTY, CITY, AND TOWN LOCATION LINES HAVE BEEN ESTABLISHED FROM AVAILABLE INFORMATION AND THEIR EXACT LOCATION ARE NOT GUARANTEED. PROPERTY LINES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN VERIFIED.

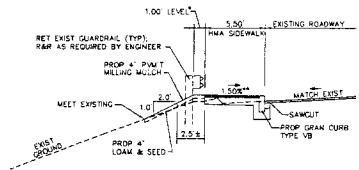
ABBREVIATIONS

GENERAL			UTILITIES			ALIGNMENT/GRADING		
ABAN	ABANDON	N/S	NOT TO SCALE	ACQP	ASPHALT COATED CORRUGATED METAL PIPE	CC	CENTER OF CURVE	
ADJ	ADJUST	PGL	PROFILE GRADE LINE	CAP	CORRUGATED ALUMINUM PIPE	HP	HIGH POINT	
APPROX	APPROXIMATE	PROP	PROPOSED	CIP	CAST IRON PIPE	LP	LOW POINT	
B/B	BUTTBUSINESS	P/W	PAVEMENT	CH	CHANGE IN TYPE	PC	POINT OF CURVE	
B/S	BOTTOM OF SLOPE	RLM	REMOVE	COAD	CONDUIT	PI	POINT OF INTERSECTION	
(B/D)	BY OTHERS	REMO	REMOVE	DIP	DUCTILE IRON PIPE	PII	POINT	
CJ	CHARLINK FENCE	RET	RETAIN	FES	FLARED END SECTION	PCC	POINT OF COMPOUND CURVE	
COND	CONCRETE	RAD	REMOVE AND RESEAL	FAG	FRAME AND GRATE	PRC	POINT OF REVERSE CURVE	
ELEV	ELEVATION	R&S	REMOVE AND RESET	HDR	HIGH DENSITY POLYETHYLENE PIPE	PT	POINT OF TANGENT	
EOP	EDGE OF PAVEMENT	RT	RIGHT	HDPE	HIGH DENSITY POLYETHYLENE PIPE	SP	SPOT ELEVATION	
EXIST	EXISTING	STA	STATION	HW	HEADWALL			
FND	FOUNDATION	S.H.L.D.	STATE HIGHWAY LAYOUT	HYD	HYDRANT			
GRAN	GRANITE	TEMP	TEMPORARY	INVT	INVERT			
HMA	HOT MIX ASPHALT	T/S	TOP OF SLOPE	PVC	POLYVINYLCHLORIDE PIPE			
LOAN	LOAN BORROW	T/S	TOP OF SLOPE	PWW	PAVED WATER WAY			
LT	LEFT	TYP	TYPICAL	RCP	REINFORCED CONCRETE PIPE			
MAX	MAXIMUM			TS&M	TAPPING SLEEVE VALVE AND BOX			
MIN	MINIMUM			UP	UTILITY POLE			



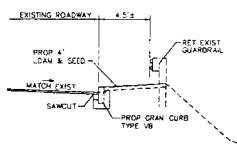
TYPICAL SECTION
TURNPIKE STREET
STA 140+50+ TO STA 158+00+
NTS

* SEE DETAIL SHEET 13 FOR HMA BERM TYPE A
IN FULL DEPTH PAVEMENT LESS THAN 4' WIDE
STA 146+65 TO 147+65 RT AND STA 148+75 TO 150+75 RT

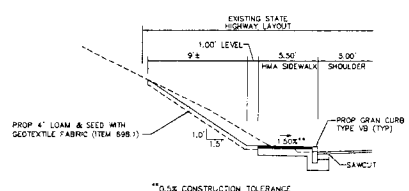


CRITICAL SECTION
TURNPIKE STREET
STA 142+00+ TO STA 144+00+
NTS

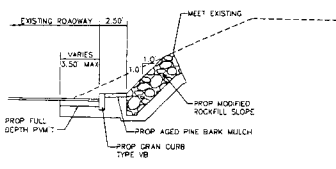
* AT PROPOSED GUARDRAIL, LEVEL AREA SHALL EXTEND TO 24" BEHIND GUARDRAIL (SEE I-495 CONSTR STD M/E 4011.1B)
** 0.5% CONSTRUCTION TOLERANCE



CRITICAL SECTION
TURNPIKE STREET
STA 154+25+ TO STA 157+00+
NTS



CRITICAL SECTION
TURNPIKE STREET
STA 162+70+ TO STA 163+85+
NTS



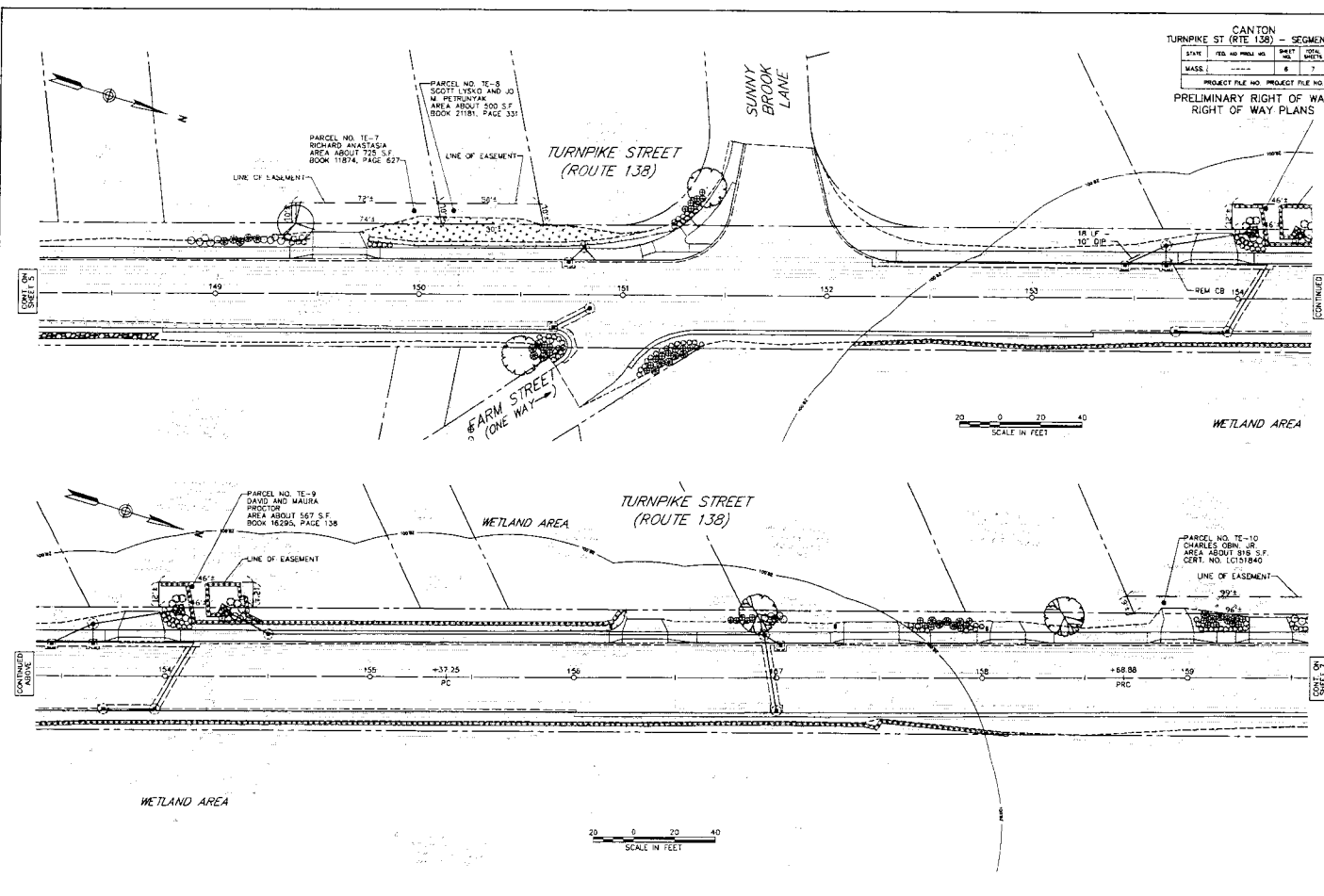
CRITICAL SECTION
TURNPIKE STREET
STA 147+85+ TO STA 148+75+
NTS

PAVEMENT NOTES

- PROPOSED COLD PLANE PAVEMENT (LESS THAN 4.0' WIDE)
SURFACE: 2" HOT MIX ASPHALT (SURFACE COURSE TYPE B)
BASE: 6" HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE
SUBBASE: 12" GRAVEL BORROW, TYPE D
- PROPOSED PAVEMENT COLD PLANE & OVERLAY
SURFACE: 2" HOT MIX ASPHALT (SURFACE COURSE TYPE B)
LEVELING COURSE: VARIABLE DEPTH HOT MIX ASPHALT SURFACE COURSE MATERIAL
BITUMEN FOR TACK COAT (RS-1) AT 0.07 GAL/SY OVER EXISTING PAVEMENT
COLD PLANE 2"
- PROPOSED CEMENT CONCRETE WHEEL-CHAIR BAND
SURFACE: 6" CEMENT CONCRETE AIR ENTRAINED 4000 PSI, 3/4" 810
FOUNDATION: 8" GRAVEL BORROW, TYPE B
- PROPOSED HOT MIX ASPHALT DRIVEWAY
SURFACE: 3/4" HOT MIX ASPHALT (1 1/2" TOP COURSE OVER 2" BINDER COURSE)
FOUNDATION: 8" GRAVEL BORROW, TYPE B
- PROPOSED HOT MIX ASPHALT WALL
SURFACE: 2 1/2" HOT MIX ASPHALT PLACED IN TWO LAYERS, 1 1/4" TOP COURSE OVER 1 1/4" BINDER COURSE
FOUNDATION: 8" GRAVEL BORROW, TYPE B

PARCEL NUMBER	SHEET NO.	OWNER	TOTAL AREA	AREA OF TAKING	AREA OF EASEMENT		AREA REMAINING	REGISTRY OF DEEDS		REMARKS
					TYPE	AREA		BOOK	PAGE	
TE-1	5	CATHERINE L. ANDREWS & MIGNOLA A. DULLI MAP NO. LOT 27	25,727 S.F.	-----	TEMP	90 S.F.	25,727 S.F.	10668	332	DRIVEWAY RECONSTRUCTION
TE-2	5	174-178 TURNPIKE COMMON LAWSONVILLE TRUST MAP NO. LOT 171	UNKNOWN	-----	TEMP	404 S.F.	UNKNOWN	11078	503	DRIVEWAY RECONSTRUCTION
TE-3	5	ROBERT AND DONNA THOMAS MAP NO. LOT 78	21,241 S.F.	-----	TEMP	601 S.F.	21,241 S.F.	10947	104	GRADING
TE-4	5	WILL A. A. SAHR & GRAVEL CORP. MAP NO. LOT 90 & 91	1.71 AC	-----	TEMP	500 S.F.	1.71 AC	4713	373	GRADING
TE-5	5	ESTATE OF ANNA LIET OO-DHINIZ C/W EUSE SAMBANSOEN MAP NO. LOT 78	UNKNOWN	-----	TEMP	118 S.F.	UNKNOWN	1571	159	DRIVEWAY RECONSTRUCTION
TE-6	5	STANLEY & SONIA ANDREIN MAP NO. LOT 24	5,688 S.F.	-----	TEMP	22 S.F.	5,688 S.F.	5737	4	DRIVEWAY RECONSTRUCTION
TE-7	8	RICHARD AMASTASHA MAP NO. LOT 48	24,138 S.F.	-----	TEMP	725 S.F.	24,138 S.F.	11874	827	LOAN AND SEED
TE-8	8	SCOTT LYNO AND JO W. PETERENTAK MAP NO. LOT 45	48,344 S.F.	-----	TEMP	500 S.F.	48,344 S.F.	21181	331	LOAN AND SEED
TE-9	8	DAVID AND MARLA PROCTOR MAP NO. LOT 3	35,088 S.F.	-----	TEMP	587 S.F.	35,088 S.F.	18293	138	EROSION CONTROL BARRIER
TE-10	8	CHARLES ORLIE JR. MAP NO. LOT 7	UNKNOWN	-----	TEMP	818 S.F.	UNKNOWN	L.C.C. NO. 151840		DRIVEWAY RECONSTRUCTION

CANTON
 TURNPIKE ST (RTE 138) - SEGMENT 2
 STATE FILE NO. PROJECT NO. SHEET TOTAL SHEETS
 MASS. 100000000 6 7
 PROJECT FILE NO. PROJECT FILE NO. 100000000
 PRELIMINARY RIGHT OF WAY
 RIGHT OF WAY PLANS

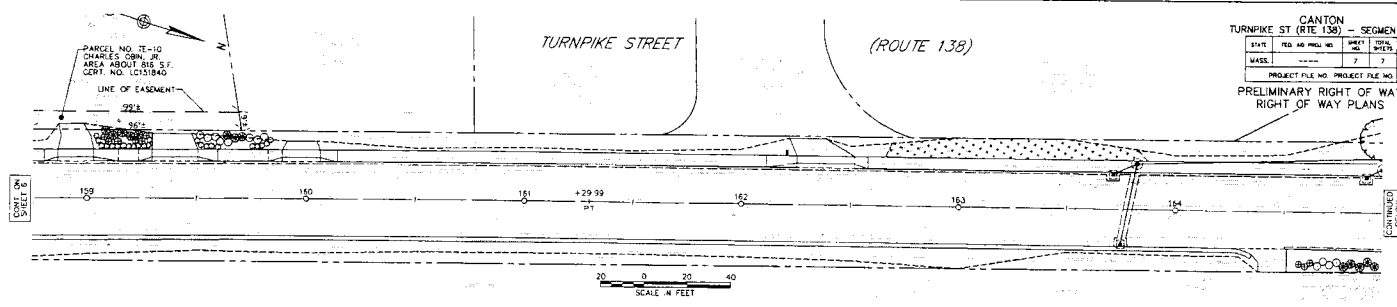


CANTON
 TURNPIKE ST (RTE 138) - SEGMENT 2
 DATE: FEB 14 1962
 WEEK: 7
 PROJECT FILE NO. PROJECT FILE NO. ACCOUNT

PRELIMINARY RIGHT OF WAY PLANS

TURNPIKE STREET (ROUTE 138)

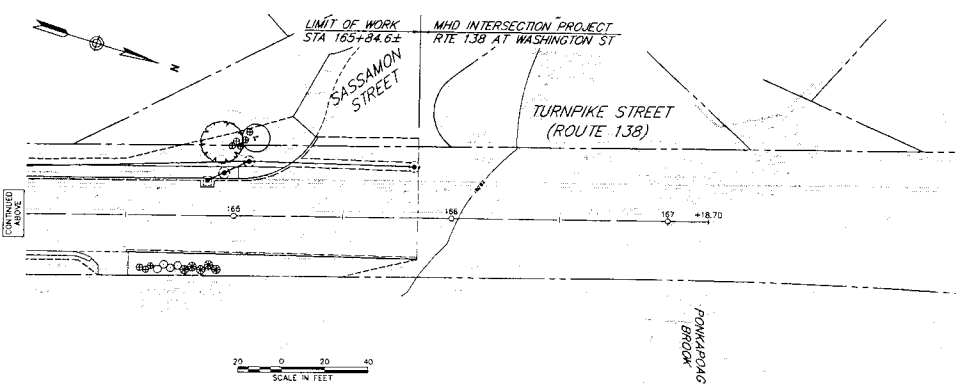
PARCEL NO. 7E-10
 CHARLES OWN. OF
 AREA ABOUT 815 S.F.
 CERT. NO. 1215860
 LINE OF EASEMENT



LIMIT OF WORK
 STA 165+84.62
 MHD INTERSECTION PROJECT
 RTE 138 AT WASHINGTON ST

SASSAMON STREET

TURNPIKE STREET (ROUTE 138)



© 1962 United Engineering Systems, Inc. All Rights Reserved