

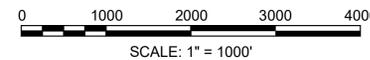
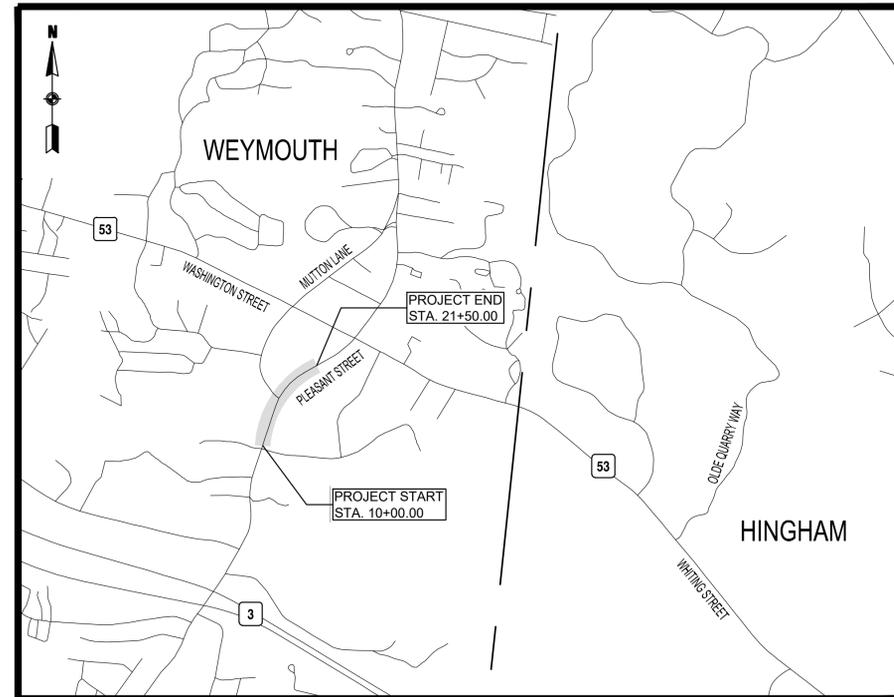
TRANSPORTATION IMPROVEMENT PROJECT

PLAN OF
PLEASANT STREET
 IN THE TOWN OF
WEYMOUTH
MIDDLESEX COUNTY

THE COMMONWEALTH OF MASSACHUSETTS

FINAL DESIGN SUBMITTAL

SHEET NO.	DESCRIPTION
1	TITLE SHEET & INDEX
2	LEGEND
3	GENERAL NOTES & ABBREVIATIONS
4	TYPICAL SECTION & PAVEMENT NOTES
5-7	CONSTRUCTION PLANS
8-10	PAVEMENT MARKING & SIGNING PLANS
11-12	TEMPORARY TRAFFIC CONTROL PLANS
13	CONSTRUCTION DETAILS



LENGTH OF PROJECT = 1,150.00 FEET = 0.225 MILES (PLEASANT STREET)

FEBRUARY 2024

ALL WORK DONE UNDER THIS CONTRACT SHALL BE IN CONFORMANCE WITH THE MASSDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES 2023 EDITION; THE SUPPLEMENTAL SPECIFICATIONS DATED SEPTEMBER 2023, THE OCTOBER 2017 CONSTRUCTION STANDARD DETAILS; THE 2015 OVERHEAD SIGNAL STRUCTURE AND FOUNDATION STANDARD DRAWINGS; THE MASSDOT TRAFFIC MANAGEMENT PLANS AND DETAIL DRAWINGS; THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS WITH MASSACHUSETTS AMENDMENTS; THE 1990 STANDARD DRAWINGS FOR SIGNS AND SUPPORTS; THE 1968 STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING; THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK; AND ALL RULES AND REGULATIONS OF THE ARCHITECTURAL ACCESS BOARD (521 CMR 1.00 ET. SEQ.); OR LATEST EDITIONS, ALL AS AMENDED, THE SPECIAL PROVISIONS, AND THESE PLANS.

PROJECT TITLE
**739 Pleasant Street
 Off-Site Improvements**

**Weymouth,
 Massachusetts**

PREPARED FOR
**Viking Development,
 LLC**
**Franklin,
 Tennessee**



35 N.E. BUSINESS CENTER DRIVE
 ANDOVER, MA 01810-1071
 TEL: (978) 474-8800
 www.rdva.com

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NO.	DESCRIPTION	DATE

DRAWING TITLE

Title Sheet & Index

SHEET 1 OF 13	DRAWING NUMBER
JOB NO. 9885	1
CAD 9881DS	

GENERAL SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		JERSEY BARRIER
		CATCH BASIN
		CATCH BASIN CURB INLET
		FLAG POLE
		GAS PUMP
		MAIL BOX
		POST SQUARE
		POST CIRCULAR
		WELL
		ELECTRIC HANDHOLE
		FENCE GATE POST
		GAS GATE
		BORING HOLE
		MONITORING WELL
		TEST PIT
		HYDRANT
		LIGHT POLE
		COUNTY BOUND
		GPS POINT
		CABLE MANHOLE
		DRAINAGE MANHOLE
		ELECTRIC MANHOLE
		GAS MANHOLE
		MISC MANHOLE
		SEWER MANHOLE
		TELEPHONE MANHOLE
		WATER MANHOLE
		MASSACHUSETTS HIGHWAY BOUND
		MONUMENT
		STONE BOUND
		TOWN OR CITY BOUND
		TRAVERSE OR TRIANGULATION STATION
		TROLLEY POLE OR GUY POLE
		TRANSMISSION POLE
		UTILITY POLE W/ FIREBOX
		UTILITY POLE WITH DOUBLE LIGHT
		UTILITY POLE W / 1 LIGHT
		UTILITY POLE
		BUSH
		TREE
		STUMP
		SWAMP / MARSH
		WATER GATE
		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
		CHAIN LINK OR METAL FENCE
		WOOD FENCE
		HAY BALES/SILT FENCE
		TREE LINE
		SAWCUT LINE
		TOP OR BOTTOM OF SLOPE
		EDGE OF PAVEMENT
		LIMIT OF MICROMILLING 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

PAVEMENT MARKINGS SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		PAVEMENT ARROW - WHITE
		LEGEND "ONLY" - WHITE
		STOP LINE
		CROSSWALK
		SOLID WHITE LINE
		SOLID YELLOW LINE
		BROKEN WHITE LINE
		BROKEN YELLOW LINE
		DOTTED WHITE LINE (3' LINE WITH 9' GAP)
		DOTTED YELLOW LINE (3' LINE WITH 9' GAP)
		DOTTED WHITE LINE EXTENSION (2' LINE WITH 6' GAP)
		DOTTED YELLOW LINE EXTENSION (2' LINE WITH 6' GAP)
		DOUBLE WHITE LINE
		DOUBLE YELLOW LINE

PAVEMENT MARKING NOTES:
 1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.
 2. ALL LONGITUDINAL PAVEMENT MARKINGS SHALL BE 6" WIDE, UNLESS OTHERWISE NOTED.

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DRAWING TITLE

Legend

SHEET 2 OF 13	DRAWING NUMBER
JOB NO. 9885	2
CAD 9881DS	

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GENERAL NOTES

- TOPOGRAPHICAL INFORMATION OBTAINED FROM CONTROL POINT ASSOCIATES, INC. AND SUPPLEMENTED WITH GOOGLE EARTH AERIAL PHOTOGRAPHY.
- THE CONTRACTOR SHALL NOTIFY DIGSAFE (888-344-7233) AND PROCURE A DIGSAFE NUMBER PRIOR TO DISTURBING GROUND IN ANY WAY.
- 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 AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
- WHERE AN EXISTING UNDERGROUND 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.
- THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH PRIVATE UTILITY COMPANIES FOR THE ALTERATION/ADJUSTMENT OF MANHOLES, GATE BOXES AND SERVICE BOXES OWNED/MAINTAINED BY GAS, ELECTRIC, COMMUNICATION, AND ANY OTHER PRIVATE UTILITY COMPANIES.
- AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. GRASS AREAS SHALL BE RESTORED WITH 4-INCHES OF LOAM AND SEEDED.
- THE TERM "PROPOSED" (PROP.) MEANS WORK TO BE CONSTRUCTED USING NEW MATERIALS OR, WHERE APPLICABLE, RE-USING EXISTING MATERIALS IDENTIFIED AS "REMOVE AND RESET" (R&R).
- ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL BE RETAINED UNLESS NOTED OTHERWISE.
- ALL EXISTING STATE, COUNTY, CITY, AND TOWN LOCATION LINES AND PRIVATE PROPERTY LINES HAVE BEEN ESTABLISHED FROM AVAILABLE INFORMATION AND THEIR EXACT LOCATIONS ARE NOT GUARANTEED.
- A MINIMUM 4 FOOT WIDE CLEAR PATH OF TRAVEL (EXCLUDING CURB WIDTH) SHALL BE MAINTAINED ON ALL SIDEWALKS PAST ALL SIGNAL EQUIPMENT, UTILITIES, OR OTHER OBSTRUCTIONS.
- DIMENSIONS RELATIVE TO EXISTING CURB LINES SHALL CONTROL. THE MARKOUTS FOR THE EXACT LOCATIONS OF SIGNS AND PAVEMENT MARKINGS SHALL BE REVIEWED WITH THE ENGINEER IN THE FIELD.
- JOINTS BETWEEN NEW HOT MIX ASPHALT ROADWAY PAVEMENT AND EXISTING PAVEMENT SHALL BE SEALED WITH HOT POURED JOINT SEALER.
- ALL EXISTING GRANITE CURB AND EDGING THAT MEETS SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER SHALL BE RE-USED IN THE PROPOSED WORK, EXCEPT CURVED STONES OF A DIFFERENT RADIUS THAN PROPOSED CURB.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION STAKING AT NO ADDITIONAL COST.
- ALL EXISTING SEWER, DRAINAGE, ELECTRIC MANHOLE COVERS, GAS AND WATER GATES, ETC. SHALL BE ADJUSTED TO FINISHED GRADE.
- ALL PROPOSED PEDESTRIAN ACCOMMODATIONS (I.E. SIDEWALKS, PEDESTRIAN CURB RAMPS, ETC.) SHALL COMPLY WITH CURRENT ADA & AAB RULES AND REGULATIONS AND MUNICIPAL STANDARDS.
- THE MINIMUM MOUNTING HEIGHT OF POST MOUNTED SIGNS, MEASURED VERTICALLY FROM THE BOTTOM OF THE SIGN TO THE TOP OF CURB OR SIDEWALK OR NEAREST EDGE OF TRAVELED WAY, SHALL BE 7 FT.

ABBREVIATIONS

GENERAL

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
CCM	CEMENT CONCRETE MASONRY
CEM	CEMENT
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
DW	STEADY DON'T WALK - PORTLAND ORANGE
DWP	DETECTABLE WARNING PANEL
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
INV	INVERT
JCT	JUNCTION
L	LENGTH OF CURVE
LB	LEACH BASIN
LP	LIGHT POLE
LT	LEFT
MAX	MAXIMUM
MB	MAILBOX
MH	MANHOLE
MHB	MASSACHUSETTS HIGHWAY BOUND
MIN	MINIMUM
NIC	NOT IN CONTRACT
NO.	NUMBER
OL	OVERLAY
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
PROJ	PROJECT
PROP	PROPOSED
PSB	PLANTABLE SOIL BORROW
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVATURE

ABBREVIATIONS (cont.)

GENERAL

PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
PVMT	PAVEMENT
PWW	PAVED WATER WAY
R	RADIUS OF CURVATURE
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
R&D	REMOVE AND DISPOSE
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
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
VGC	VERTICAL GRANITE CURB
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
HH	HAND HOLE
MA	MAST ARM
OL	OVERLAP
PB	PULL BOX
PED	PEDESTRIAN
PTZ	PAN, TILT, ZOOM
R	STEADY CIRCULAR RED
RL	STEADY RED LEFT ARROW
RR	STEADY RED RIGHT ARROW
TS	TRAFFIC SIGNAL/ TRAFFIC SIGNAL POST
TR SIG	TRAFFIC SIGNAL
TSC	TRAFFIC SIGNAL CONDUIT
W	STEADY WALKING PERSON
Y	STEADY CIRCULAR YELLOW
YL	STEADY YELLOW LEFT ARROW

PROJECT TITLE

739 Pleasant Street
Off-Site Improvements

Weymouth,
Massachusetts

PREPARED FOR

Viking Development,
LLC

Franklin,
Tennessee



35 N.E. BUSINESS CENTER DRIVE
ANDOVER, MA 01810-1071
TEL: (978) 474-8800
www.rdma.com

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NO.	DESCRIPTION	DATE

DRAWING TITLE

Notes &
Abbreviations

SHEET 3 OF 13	DRAWING NUMBER
JOB NO. 9885	3
CAD 9881DS	

PROJECT TITLE

739 Pleasant Street
Off-Site Improvements

Weymouth,
Massachusetts

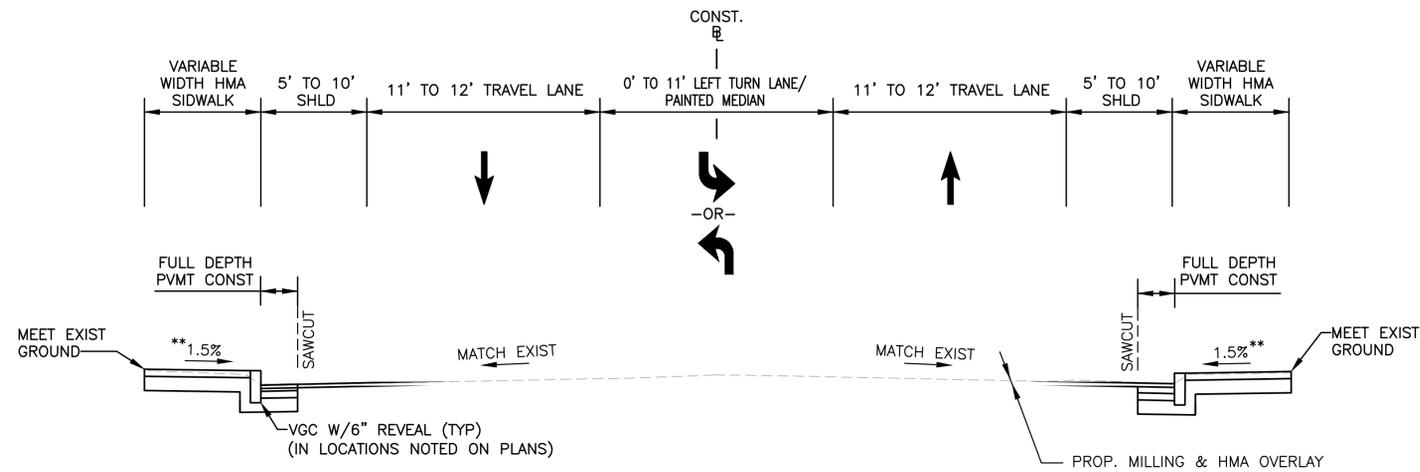
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PLEASANT STREET

STA. 10+00 TO STA. 21+50
NOT TO SCALE

PAVEMENT NOTES

PROPOSED PAVEMENT MILLING & HMA OVERLAY

EXCAVATION: 1-3/4" PAVEMENT MILLING
SURFACE: 1-3/4" SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5)
ASPHALT EMULSION FOR TACK COAT (RS-1) AT:
0.09 GAL/SY OVER MILLED PAVEMENT

PROPOSED CEMENT CONCRETE SIDEWALK & PEDESTRIAN CURB RAMPS

SURFACE: 4" CEMENT CONCRETE (AIR-ENTRAINED 4000 PSI-3/4"-610 LB)
SUBBASE: 8" GRAVEL BORROW (MASSDOT M1.03.0 TYPE c)

PROPOSED HMA SIDEWALK & DRIVEWAYS

SURFACE: 3" HOT MIX ASPHALT (NOMINAL)
1-1/4" SUPERPAVE SURFACE COURSE - 9.5 (SSC - 9.5) OVER
1-3/4" SUPERPAVE INTERMEDIATE COURSE - 12.5 (SIC - 12.5)
SUBBASE: 8" GRAVEL BORROW (MASSDOT M1.03.0 TYPE c)

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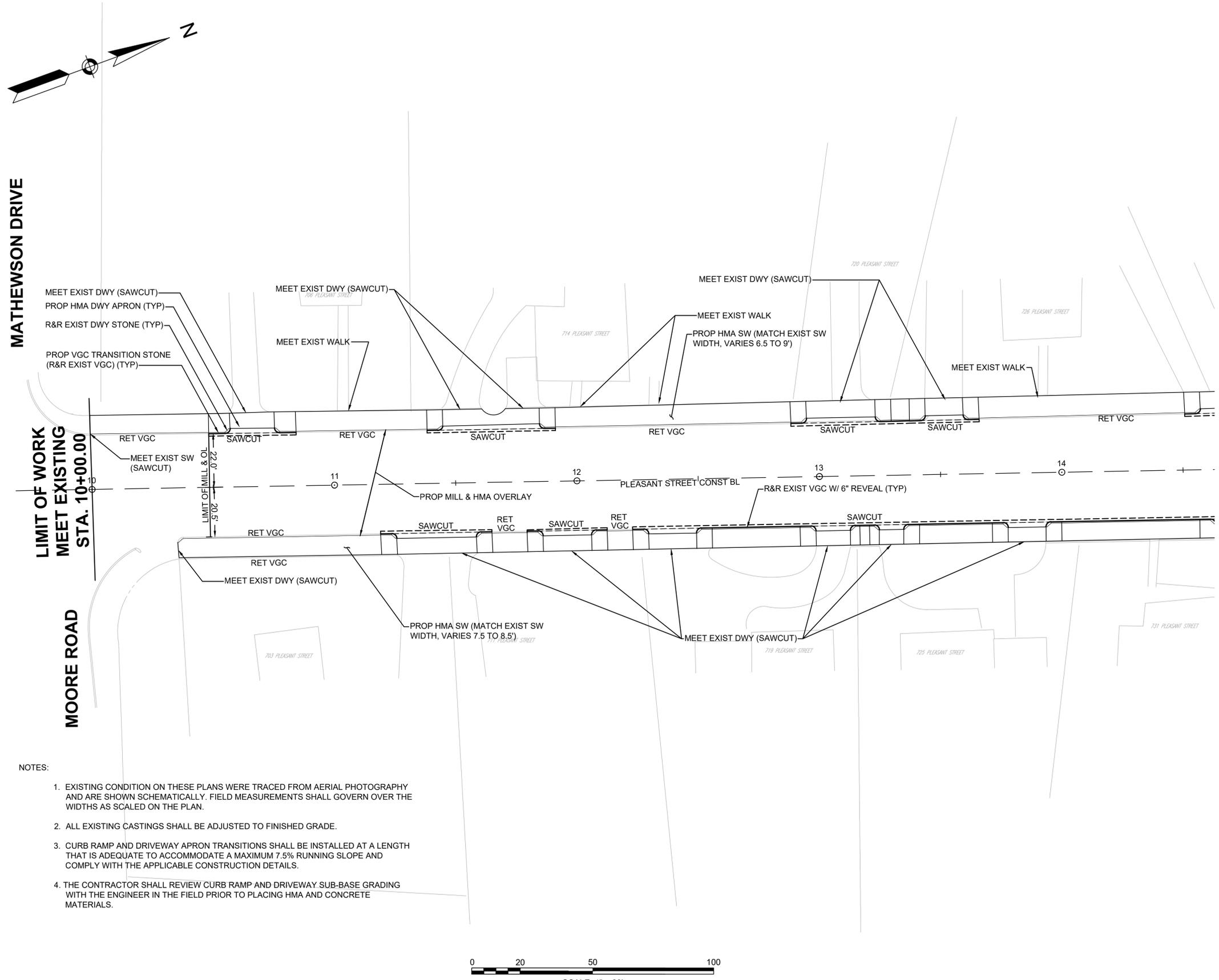
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NO.	DESCRIPTION	DATE

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Typical Section &
Pavement Notes

SHEET 4 OF 13	DRAWING NUMBER
JOB NO. 9885	4
CAD 9881DS	

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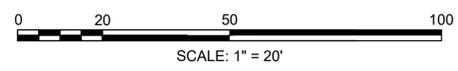
MATHEWSON DRIVE

**LIMIT OF WORK
 MEET EXISTING
 STA. 10+00.00**

MOORE ROAD

NOTES:

1. EXISTING CONDITION ON THESE PLANS WERE TRACED FROM AERIAL PHOTOGRAPHY AND ARE SHOWN SCHEMATICALLY. FIELD MEASUREMENTS SHALL GOVERN OVER THE WIDTHS AS SCALED ON THE PLAN.
2. ALL EXISTING CASTINGS SHALL BE ADJUSTED TO FINISHED GRADE.
3. CURB RAMP AND DRIVEWAY APRON TRANSITIONS SHALL BE INSTALLED AT A LENGTH THAT IS ADEQUATE TO ACCOMMODATE A MAXIMUM 7.5% RUNNING SLOPE AND COMPLY WITH THE APPLICABLE CONSTRUCTION DETAILS.
4. THE CONTRACTOR SHALL REVIEW CURB RAMP AND DRIVEWAY SUB-BASE GRADING WITH THE ENGINEER IN THE FIELD PRIOR TO PLACING HMA AND CONCRETE MATERIALS.



CONTINUED ON
 SHEET NO. 6

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Construction Plans

SHEET 5 OF 13	DRAWING NUMBER
JOB NO. 9885	5
CAD 9881GN	

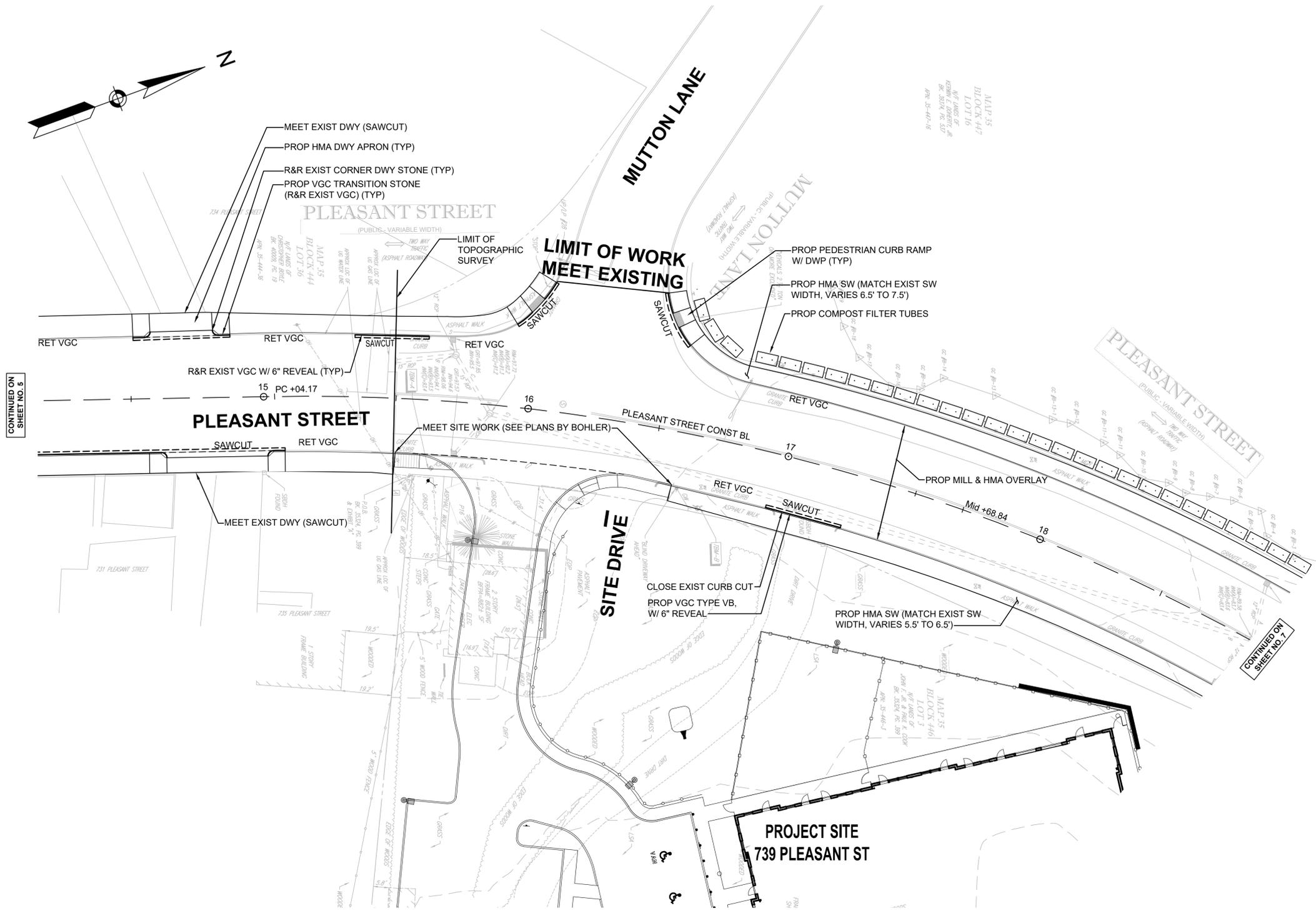
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Construction Plans

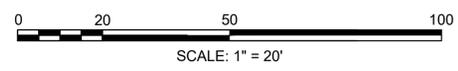
SHEET 6 OF 13	DRAWING NUMBER
JOB NO. 9885	6
CAD 9881GN	

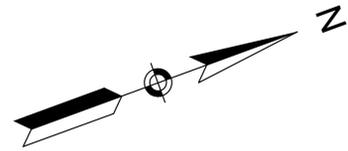


CONTINUED ON SHEET NO. 5

CONTINUED ON SHEET NO. 7

- NOTES:
- ALL EXISTING CASTINGS SHALL BE ADJUSTED TO FINISHED GRADE.
 - CURB RAMP AND DRIVEWAY APRON TRANSITIONS SHALL BE INSTALLED AT A LENGTH THAT IS ADEQUATE TO ACCOMMODATE A MAXIMUM 7.5% RUNNING SLOPE AND COMPLY WITH THE APPLICABLE CONSTRUCTION DETAILS.
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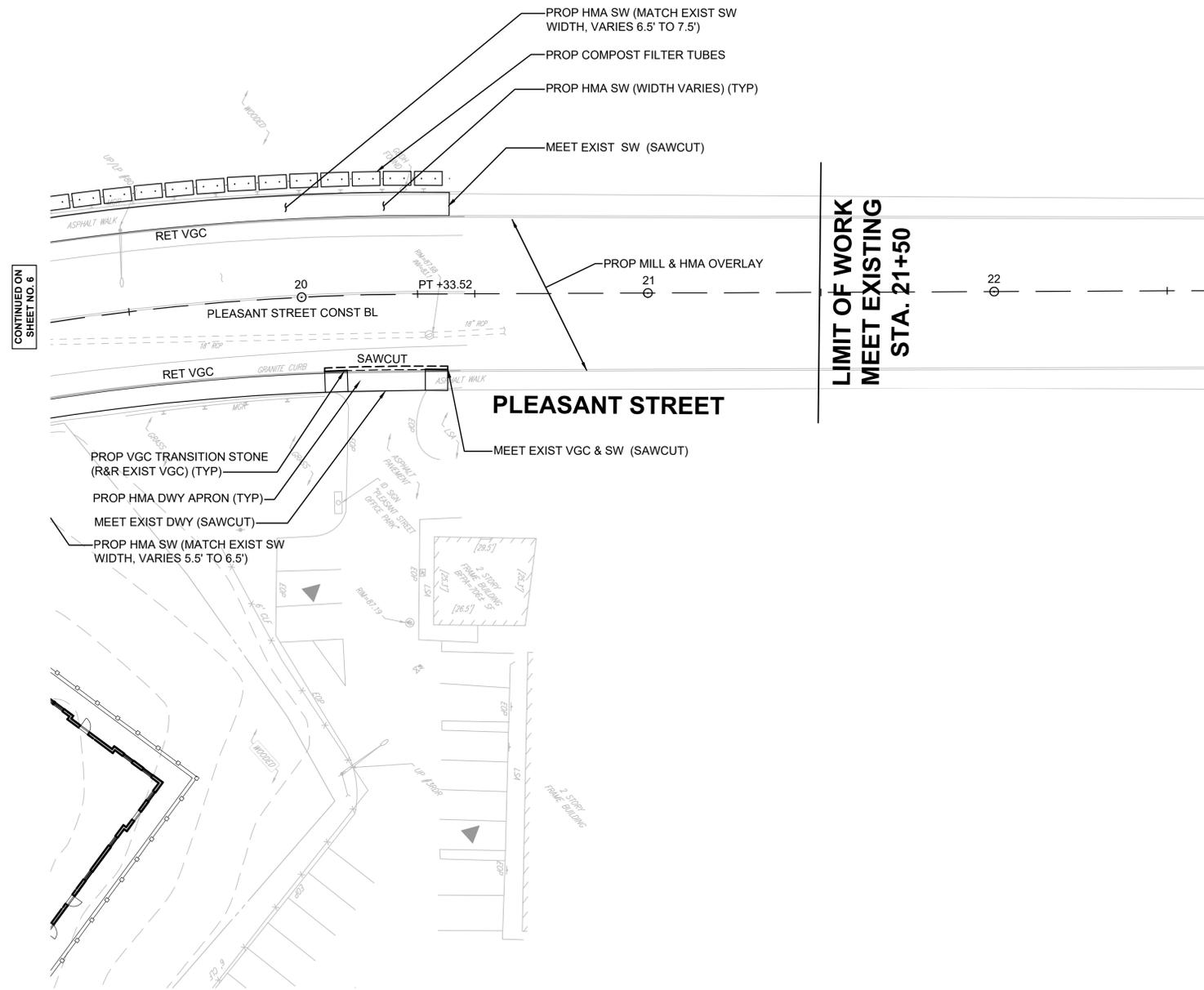
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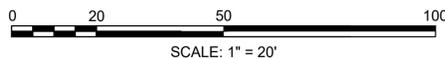
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Construction Plans

SHEET 7 OF 13	DRAWING NUMBER
JOB NO. 9885	7
CAD 9881GN	

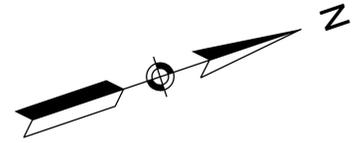


**LIMIT OF WORK
 MEET EXISTING
 STA. 21+50**



NOTES:

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- CURB RAMP AND DRIVEWAY APRON TRANSITIONS SHALL BE INSTALLED AT A LENGTH THAT IS ADEQUATE TO ACCOMMODATE A MAXIMUM 7.5% RUNNING SLOPE AND COMPLY WITH THE APPLICABLE CONSTRUCTION DETAILS.
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**Pavement Marking
 & Signing Plans**

SHEET 8 OF 13 DRAWING NUMBER
 JOB NO. 9885 **8**
 CAD 9881PM

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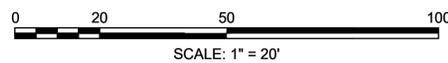
**MATHEWSON
 DRIVE**
**LIMIT OF WORK
 MEET EXISTING
 STA. 10+00.00**

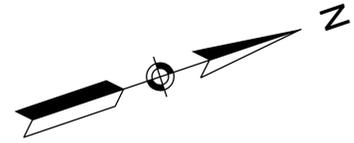
MOORE ROAD

PLEASANT STREET

PROP THERMOPLASTIC PAVEMENT
 MARKING LEGENDS (TYP)

CONTINUED ON
 SHEET NO. 9





PROJECT TITLE
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SCALE	1" = 20'
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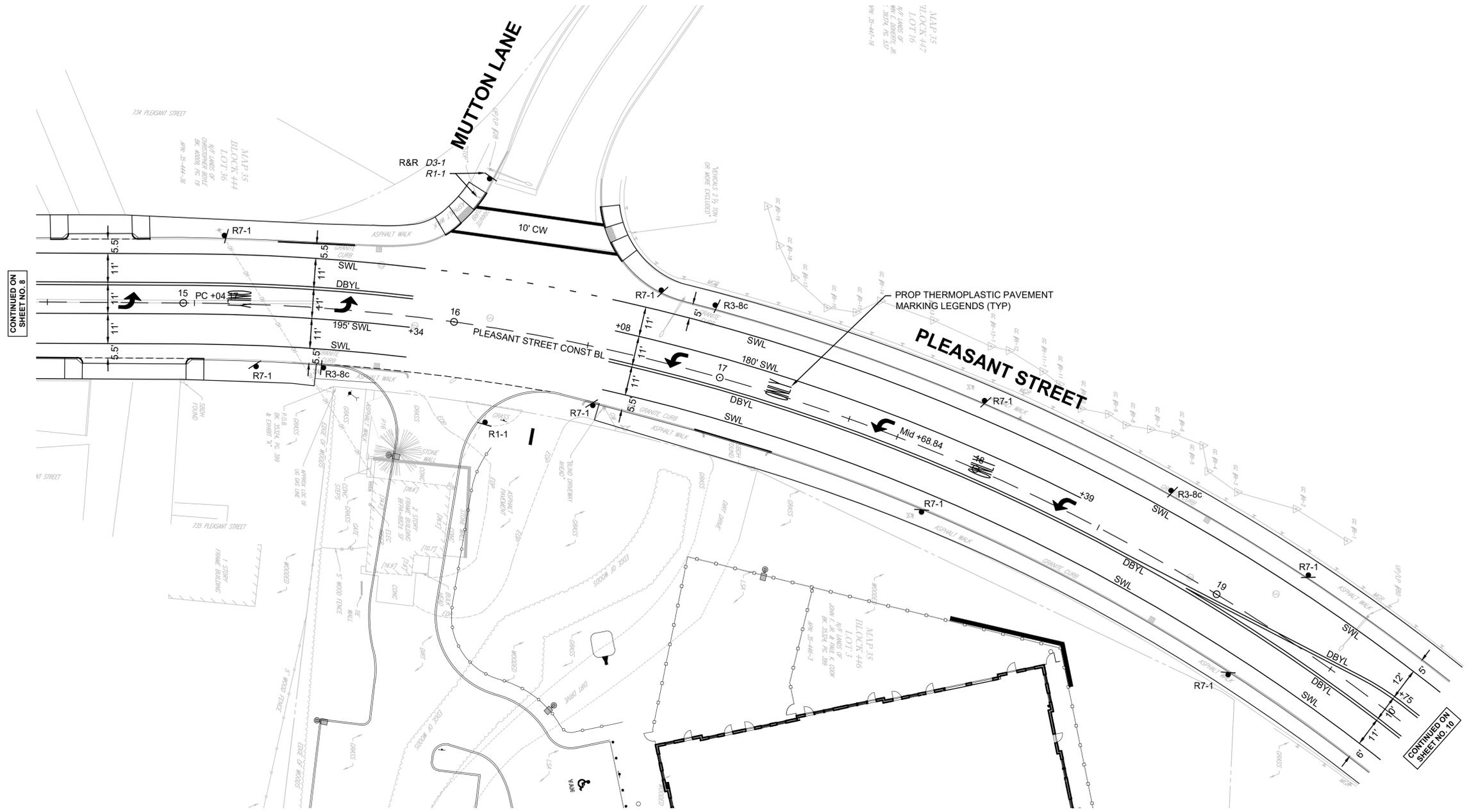
REVISIONS		
NO.	DESCRIPTION	DATE

DRAWING TITLE

**Pavement Marking
 & Signing Plans**

SHEET 9 OF 13	DRAWING NUMBER
JOB NO. 9885	9
CAD 9881PM	

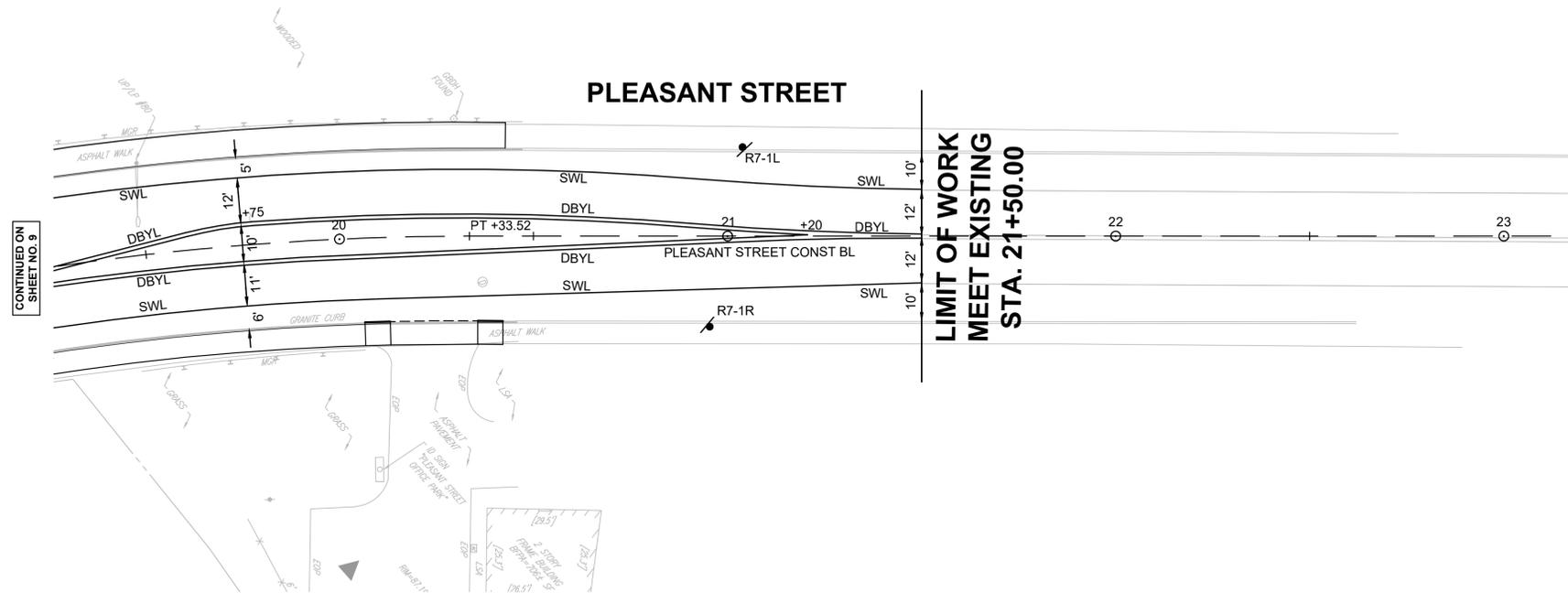
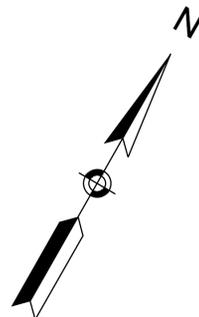
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CONTINUED ON
SHEET NO. 8

CONTINUED ON
SHEET NO. 10

DESIGNED BY	TWO
DRAWN BY	MPP
CHECKED BY	JPC
DATE	FEBRUARY 2024
SCALE	1" = 20'
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CONTINUED ON
SHEET NO. 9

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCH)			NUMBER OF SIGNS REQUIRED	COLOR			POST TYPE AND NUMBER REQUIRED	AREA PER SIGN	TOTAL AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	RTE. MKR. ARROW		BACK-GROUND	LEGEND	BORDER			
R1-1	30"	30"		SEE FHWA STANDARD HIGHWAY SIGNS 2004 EDITION	1	RED	WHITE	WHITE	P-5 1	5.18	5.18		
R3-8c	36"	30"		SEE FHWA STANDARD HIGHWAY SIGNS 2004 EDITION	4	WHITE	BLACK	BLACK	P-5 4	7.50	30.00		
R7-1	12"	18"		SEE FHWA STANDARD HIGHWAY SIGNS 2004 EDITION	11	WHITE	RED	RED	P-5 11	1.50	16.50		
R7-1L	12"	18"		SEE FHWA STANDARD HIGHWAY SIGNS 2004 EDITION	2	WHITE	RED	RED	P-5 2	1.50	3.00		
R7-1R	12"	18"		SEE FHWA STANDARD HIGHWAY SIGNS 2004 EDITION	2	WHITE	RED	RED	P-5 2	1.50	3.00		

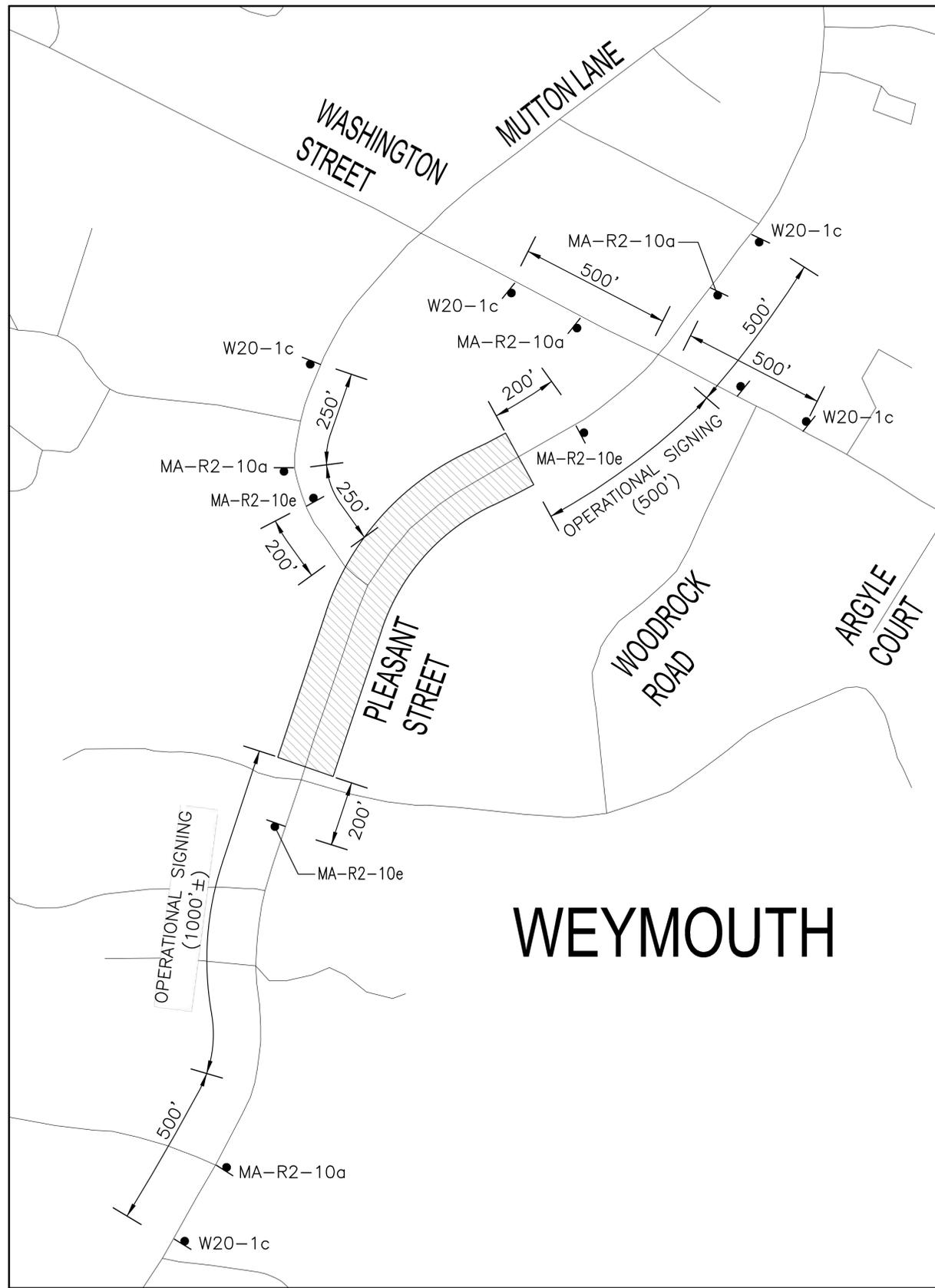
EXISTING SIGN LEGEND	
R1-1	
R1-2	



REVISIONS		
NO.	DESCRIPTION	DATE

DRAWING TITLE

**Pavement Marking
 & Signing Plans**



ADVANCE SIGNING SCHEMATIC

NOT TO SCALE

ADVANCE SIGN SUMMARY											
IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCH)			COLOR			POST TYPE & NUMBER PER SIGN	AREA PER SIGN (SF)
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	RTE. MKR. ARROW	BACK-GROUND	LEGEND	BORDER		
MA-R2-10a	48"	36"	WORK ZONE SPEEDING FINES DOUBLED	MASSDOT STANDARD			FLUOR-ESCENT ORANGE/WHITE	BLACK/BLACK	BLACK/BLACK	P-5 (2)	12.00
MA-R2-10e	36"	48"	END ROAD WORK DOUBLE FINES END	MASSDOT STANDARD			FLUOR-ESCENT ORANGE/WHITE	BLACK/BLACK	BLACK/BLACK	P-5 (2)	12.00
W20-1c	36"	36"	ROAD WORK AHEAD	SEE 2009 MUTCD			FLUOR-ESCENT ORANGE	BLACK	BLACK	P-5 (1)	9.00

PROJECT TITLE

739 Pleasant Street
Off-Site Improvements

Weymouth,
Massachusetts

PREPARED FOR

Viking Development,
LLC

Franklin,
Tennessee



35 N.E. BUSINESS CENTER DRIVE
ANDOVER, MA 01810-1071
TEL: (978) 474-8800
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DRAWN BY	---
CHECKED BY	JPC
DATE	FEBRUARY 2024
SCALE	NOT TO SCALE
STAMP	

REVISIONS		
NO.	DESCRIPTION	DATE

DRAWING TITLE

Temporary Traffic
Control Plans

SHEET 11 OF 13	DRAWING NUMBER
JOB NO. 9885	11
CAD 9881DS	

TRAFFIC MANAGEMENT NOTES

1. ALL TEMPORARY TRAFFIC CONTROL WORK SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND ALL REVISIONS, UNLESS SUPERCEDED BY THESE PLANS.
2. ALL SIGN LEGENDS, BORDERS AND MOUNTING SHALL BE IN ACCORDANCE WITH THE MUTCD.
3. TEMPORARY CONSTRUCTION SIGNING AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF ANY WORK.
4. 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.
5. SIGNS AND SIGN SUPPORTS LOCATED ON OR NEAR THE TRAVELED WAY, CHANNELIZING DEVICES, BARRIERS, AND CRASH ATTENUATORS MUST PASS THE CRITERIA SET FORTH IN NCHRP REPORT 350, "RECOMMENDED PROCEDURES FOR THE SAFETY PERFORMANCE EVALUATION OF HIGHWAY FEATURES" AND/OR THE AASHTO 2009 OR 2016 "MANUAL FOR ASSESSING SAFETY HARDWARE" (MASH).
6. CONTRACTORS SHALL NOTIFY EACH ABUTTER AT LEAST 24 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS, SUCH AS CONDUIT INSTALLATION, EXISTING PAVEMENT EXCAVATION, TEMPORARY DRIVEWAY PAVEMENT PLACEMENT AND SIMILAR OPERATIONS.
7. THE FIRST TEN PLASTIC, RETROREFLECTIVE DRUMS OF A TAPER SHALL BE MOUNTED WITH SEQUENTIAL FLASHING LIGHTS.
8. THE ADVISORY SPEED LIMIT, IF REQUIRED, SHALL BE DETERMINED BY THE RESIDENT ENGINEER AND APPROVED BY THE GOVERNING JURISDICTION PRIOR TO POSTING.
9. DISTANCES ARE A GUIDE AND MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.
10. MAXIMUM SPACING OF TRAFFIC DEVICES IN A TAPER (DRUMS OR CONES) IS EQUAL IN FEET TO THE SPEED LIMIT IN MPH.
11. MINIMUM LANE WIDTH IS TO BE 11 FEET. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF DRUMS OR MEDIAN BARRIER.
12. ALL SIGNS SHALL BE MOUNTED ON THEIR OWN STANDARD SIGN SUPPORTS.
13. ADA/AAB COMPLIANT PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES.

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 MIN, 100 FT MAXIMUM
DOWNSTREAM TAPER	50 FT MIN, 100 FT MAX PER LANE

FORMULAS FOR DETERMINING TAPER LENGTHS

Speed Limit (S)	Taper Length (L) Feet
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR MORE	$L = WS$

WHERE: L = TAPER LENGTH IN FEET
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED LIMIT, OR OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED IN MPH

SUGGESTED WORK ZONE WARNING SIGN SPACING

Road Type	Distance Between Signs**		
	A	B	C
LOCAL OR LOW VOLUME ROADWAYS*	350	350	350
MOST OTHER ROADWAYS*	500	500	500
EXPRESSWAY/FREEWAY*	1,000	1,500	2,640

* SPEED CATEGORY TO BE DETERMINED BY HIGHWAY AGENCY. DISTANCES ARE SHOWN IN FEET.

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

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

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

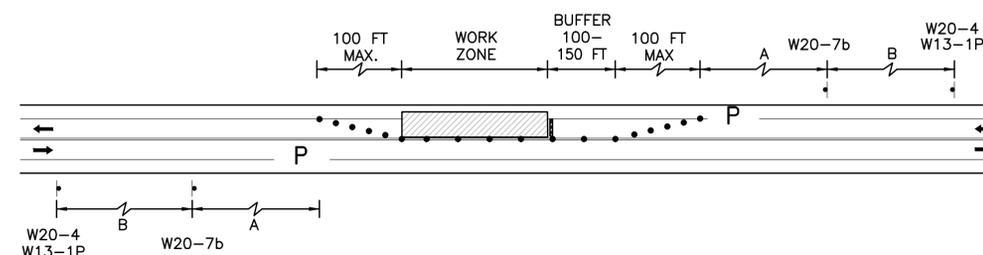
MA-R2-10a SIGNS SHALL BE PLACED BETWEEN THE SECOND AND THIRD SIGNS AS DESCRIBED ABOVE.

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

LEGEND:

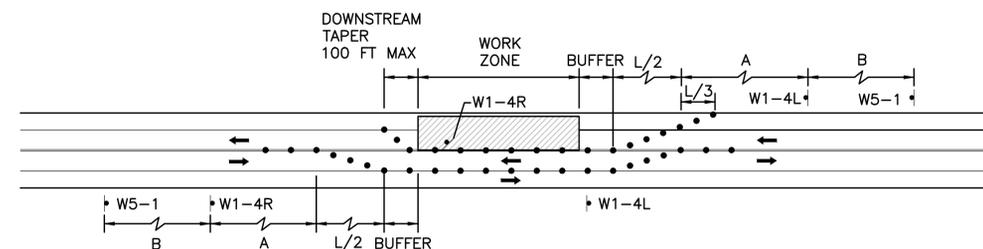
● REFLECTORIZED PLASTIC DRUM	▨ WORK ZONE	🚚 WORK VEHICLE
P POLICE DETAIL	➔ DIRECTION OF TRAFFIC	🚚 TRUCK MOUNTED ATTENUATOR
▨ TYPE III BARRICADE	🚚 IMPACT ATTENUATOR	➔ TRAFFIC OR PEDESTRIAN SIGNAL
🚚 FLASHING ARROW BOARD	▨ MEDIAN BARRIER	● SIGN
	🚚 MEDIAN BARRIER WITH WARNING LIGHTS	

TEMPORARY SIGN SUMMARY											
IDENTIFI- CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCH)			COLOR			POST TYPE & NUMBER PER SIGN	AREA PER SIGN
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	RTE. MKR. ARROW	BACK- GROUND	LEGEND	BORDER		
W1-4L/R	36"	36"					FLUOR- ESCENT ORANGE	BLACK	BLACK	P-5 (1)	9.00
W5-1	36"	36"					FLUOR- ESCENT ORANGE	BLACK	BLACK	P-5 (1)	9.00
W13-1P	18"	18"					FLUOR- ESCENT ORANGE	BLACK	BLACK	MOUNT BELOW W20-4	2.25
W20-4	36"	36"					FLUOR- ESCENT ORANGE	BLACK	BLACK	P-5 (2)	9.00
W20-7b	36"	36"					FLUOR- ESCENT ORANGE	BLACK	BLACK	P-5 (1)	9.00



TWO LANE ROAD ONE LANE ALTERNATING TRAFFIC

NOT TO SCALE



TWO LANE ROAD SHOULDER AND TRAVEL LANE CLOSED

NOT TO SCALE

PROJECT TITLE

**739 Pleasant Street
Off-Site Improvements**

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PREPARED FOR

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LLC**

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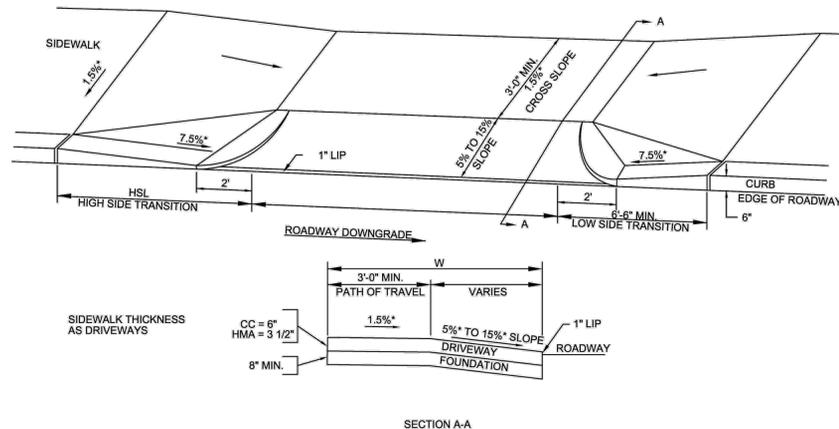
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REVISIONS		
NO.	DESCRIPTION	DATE

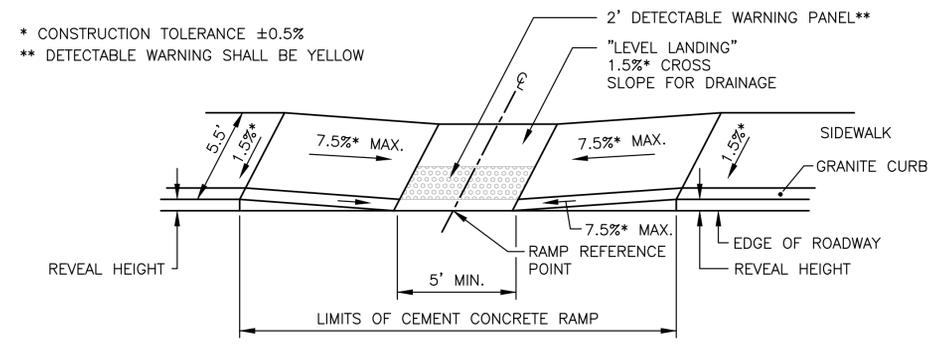
DRAWING TITLE

**Temporary Traffic
Control Plans**

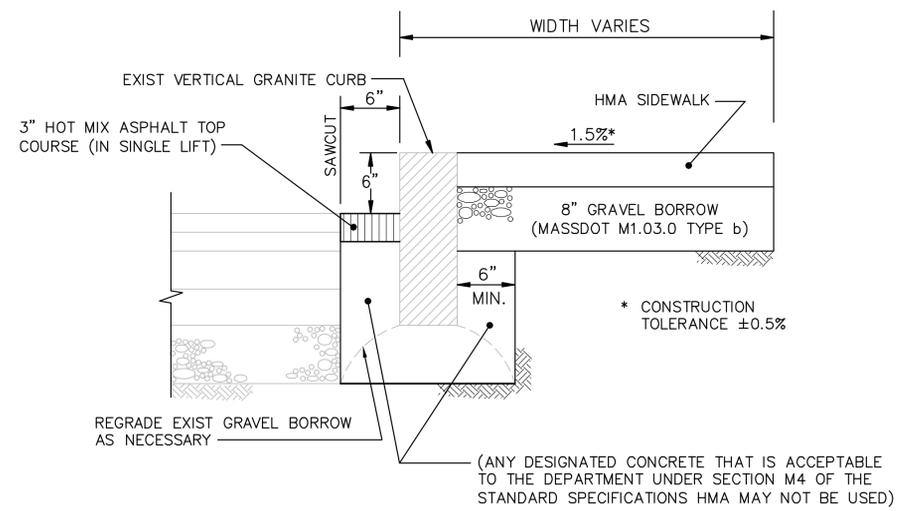
SHEET 12 OF 13	DRAWING NUMBER
JOB NO. 9885	12
CAD 9881DS	



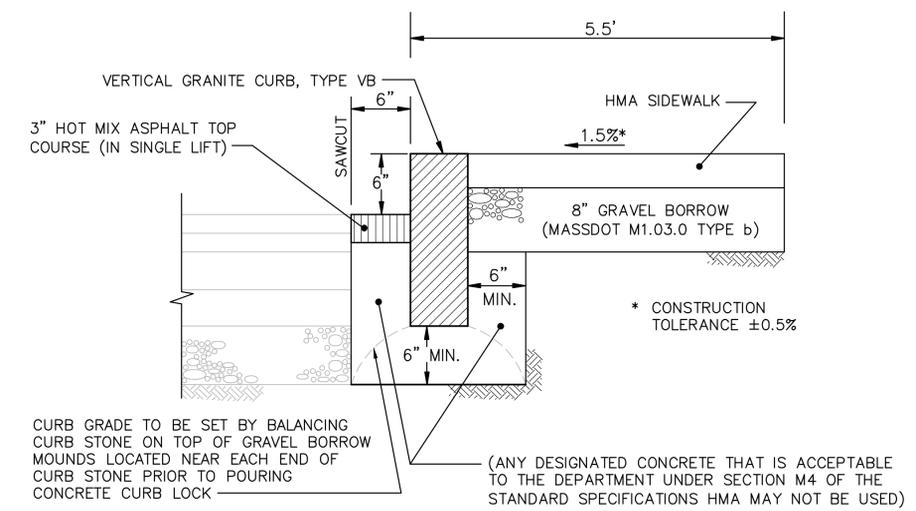
SIDEWALK THROUGH DRIVEWAYS WITH CURB RETURNS
NOT TO SCALE



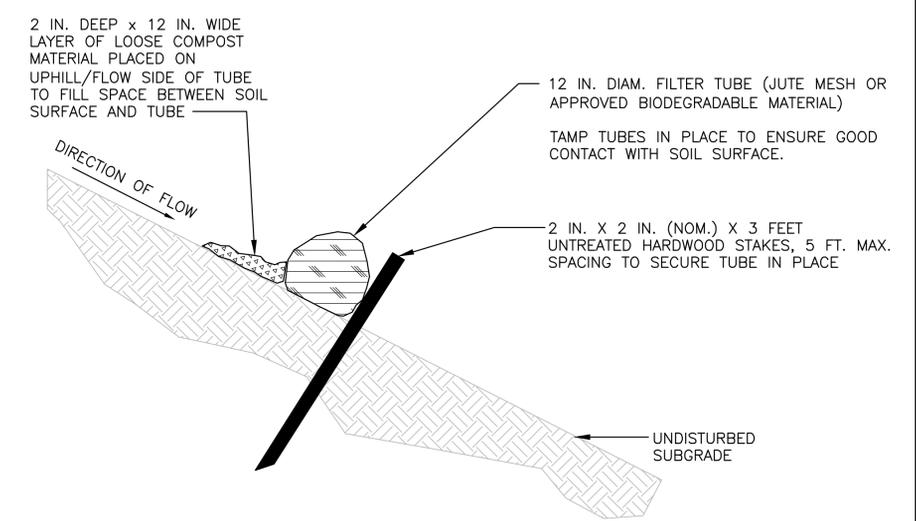
CEMENT CONCRETE PEDESTRIAN CURB RAMP ON NARROW SIDEWALK
NOT TO SCALE



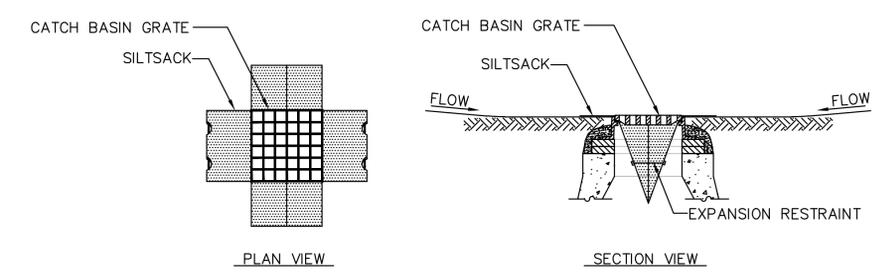
EXISTING CURB RESETTling & SIDEWALK DETAIL
NOT TO SCALE



CURB SETTING & SIDEWALK DETAIL
NOT TO SCALE



COMPOST FILTER TUBE
NOT TO SCALE



- NOTES:
1. INSTALL SILTSACK IN ALL CATCH BASINS WITHIN THE LIMITS OF WORK AND AS DIRECTED BY THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.
 2. GRATE TO BE PLACED OVER SILTSACK.
 3. SILTSACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED

SILT SACK
NOT TO SCALE

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DRAWING TITLE

Construction Details

SHEET 13 OF 13	DRAWING NUMBER
JOB NO. 9885	13
CAD 9881DS	

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