

TOWN OF BRUNSWICK

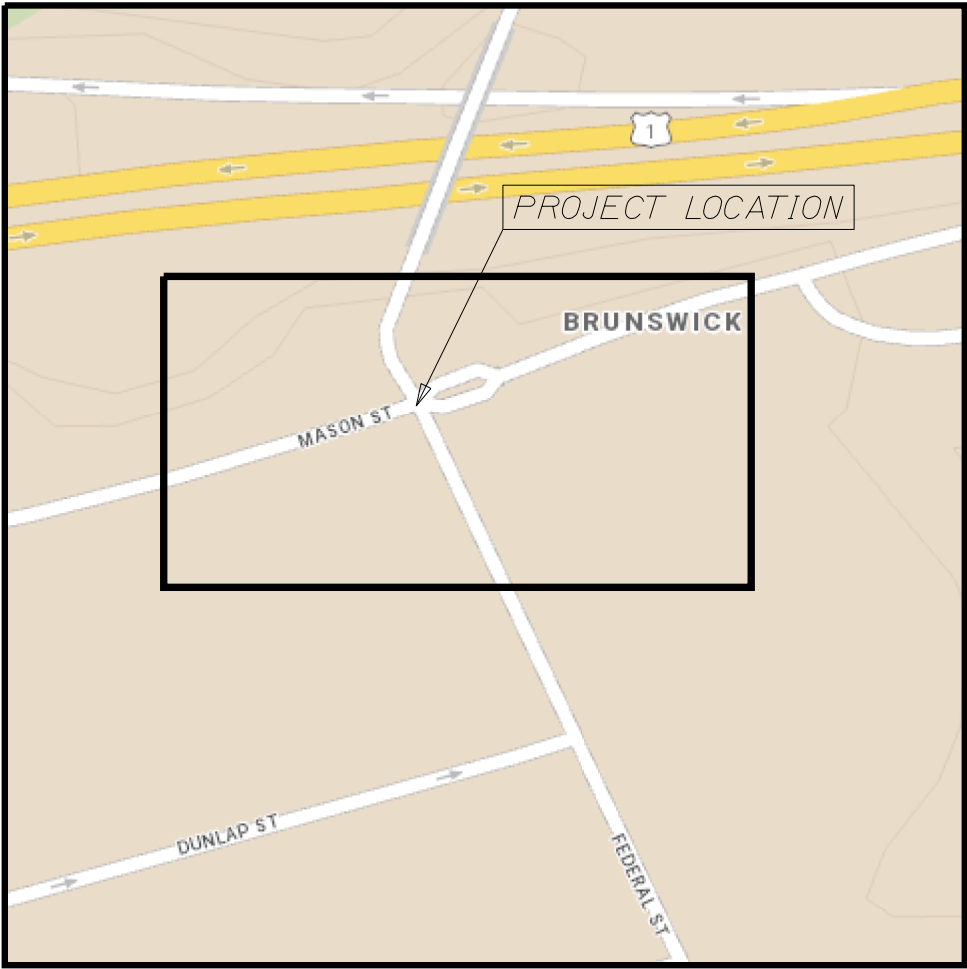
BRUNSWICK
CUMBERLAND COUNTY
FEDERAL, MASON AND WATER STREET
MAINEDOT WIN 26326.00
PROJECT LENGTH: 0.11 MILES

PLAN LEGEND

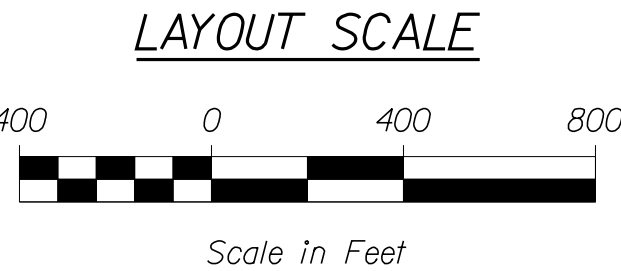
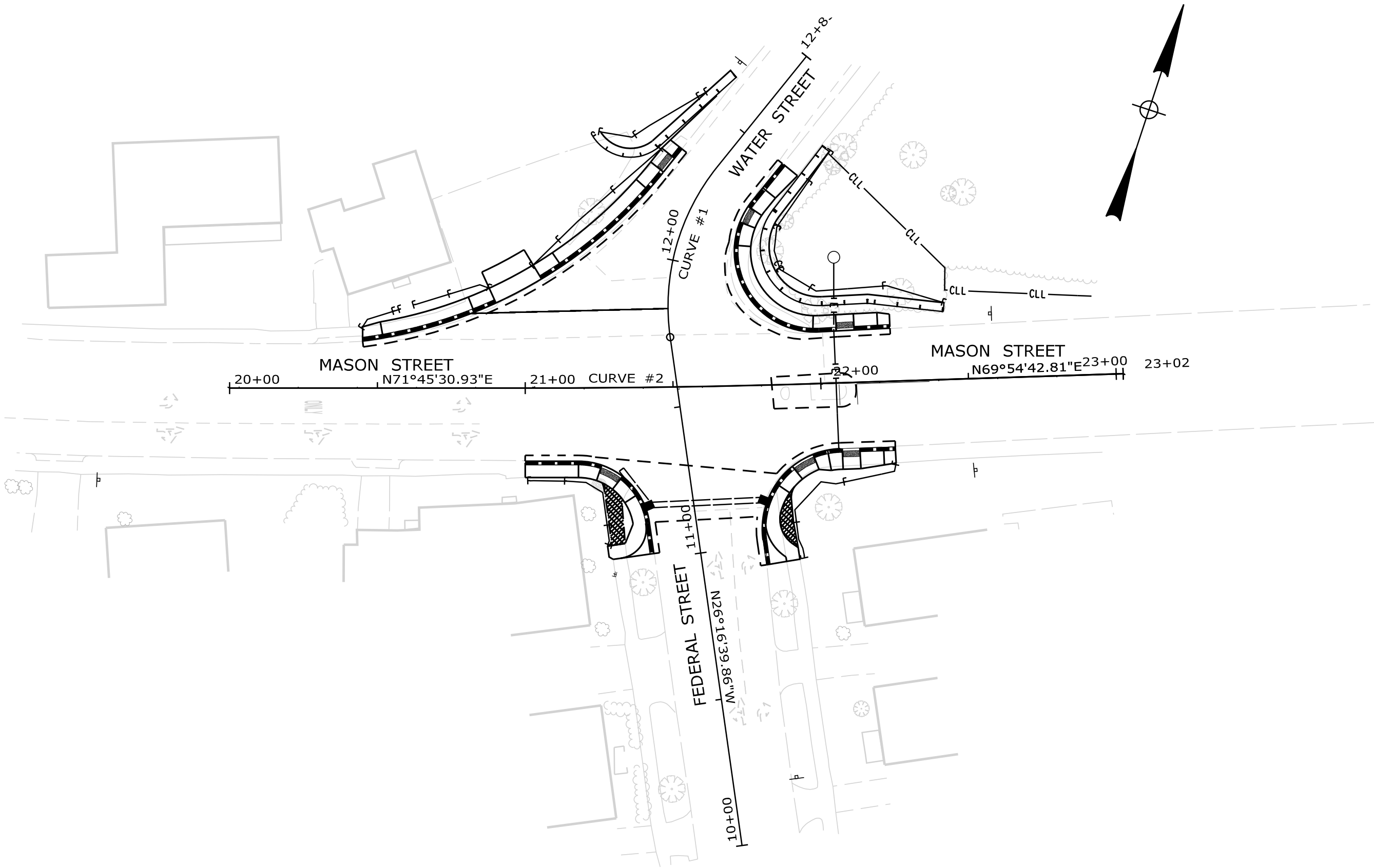
Town, County, State	-----	Catch Basins	▣ Existing	▣ Proposed
Property Lines	- - - - -	Manholes	Existing	● Proposed
R/W Lines-Existing	-----	Proposed Underdrain	-----	
R/W Lines-Proposed	=====	Proposed Ditch	-----	
Culvert-Existing	-----	Existing Ditch	-----	
Culvert Proposed	=====	Utility Poles	⊕ Existing	◆ Proposed
Curbing	Existing Proposed	Fire Hydrants	⊕ Existing	⊕ Proposed
Type 1	=====	Existing Water Line	-----	
Type 3	=====	Existing San. Sewer	-----	
Type 5	=====	Existing San. Sewer Manhole	⊙	
Outline of Bodies of Water	-----	Guardrail-Existing	-----	
Exposed Bedrock	=====	Guardrail-Proposed	-----	
Buildings	-----	Guardrail-Cable, Other	-----	
Trees	☙ Conifer ☙ Deciduous	Centerline-Existing	-----	
Tree Line	-----	Centerline-Proposed	-----	
Clearing Limit Line	-----	Travelway-Existing	-----	
Railroad	=====	Travelway-Proposed	-----	
Boring	⊕ HB-XXX-###	Probe	⊕ P-#. #X	
Pavement Core	● PC-#		#. # = Depth	
Test Pit	▣ TP-XXX-###		X = W (Weathered Rock)	
			R (Refusal)	
			NR (No Refusal)	

INDEX OF SHEETS

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General Notes	4
Plan	5



LOCATION MAP



PROJECT LOCATION:	BRUNSWICK - INTERSECTION OF FEDERAL, MASON AND WATER STREET
PROGRAM AREA:	MULTIMODAL PROGRAM
SCOPE OF WORK:	INTERSECTION SAFETY IMPROVEMENTS

TOWN OF BRUNSWICK, MAINE

WIN 26326.00

HIGHWAY PLANS

FEDERAL, MASON AND WATER STREET
PEDESTRIAN IMPROVEMENTS
BRUNSWICK
CUMBERLAND COUNTY

TITLE SHEET

SHEET NUMBER

1

OF 5

PROJ. MANAGER

DESIGN-DETAILED

CHECKED-REVIEWED

DESIGN-DETAILED

DESIGN-DETAILED

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

BY

DATE

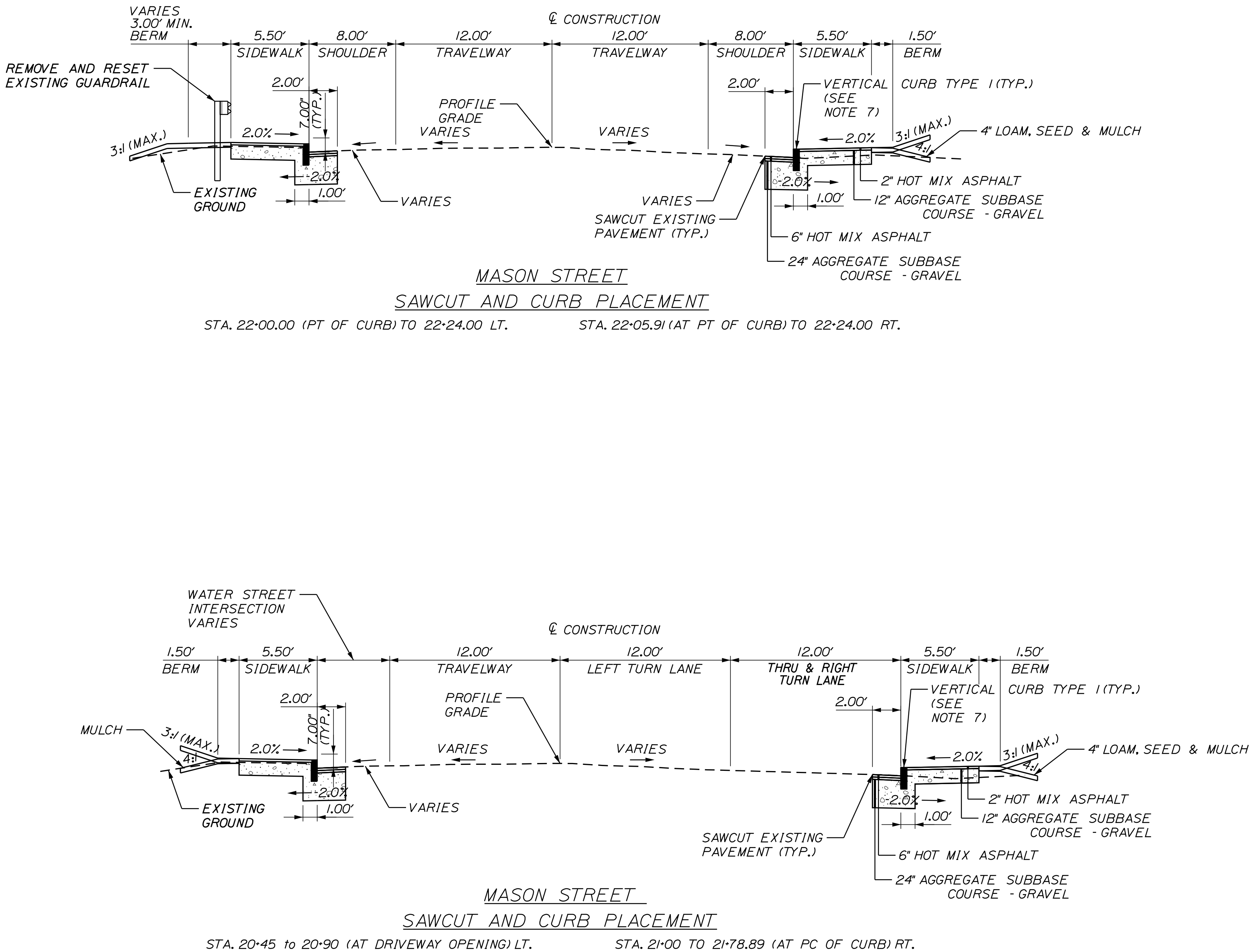
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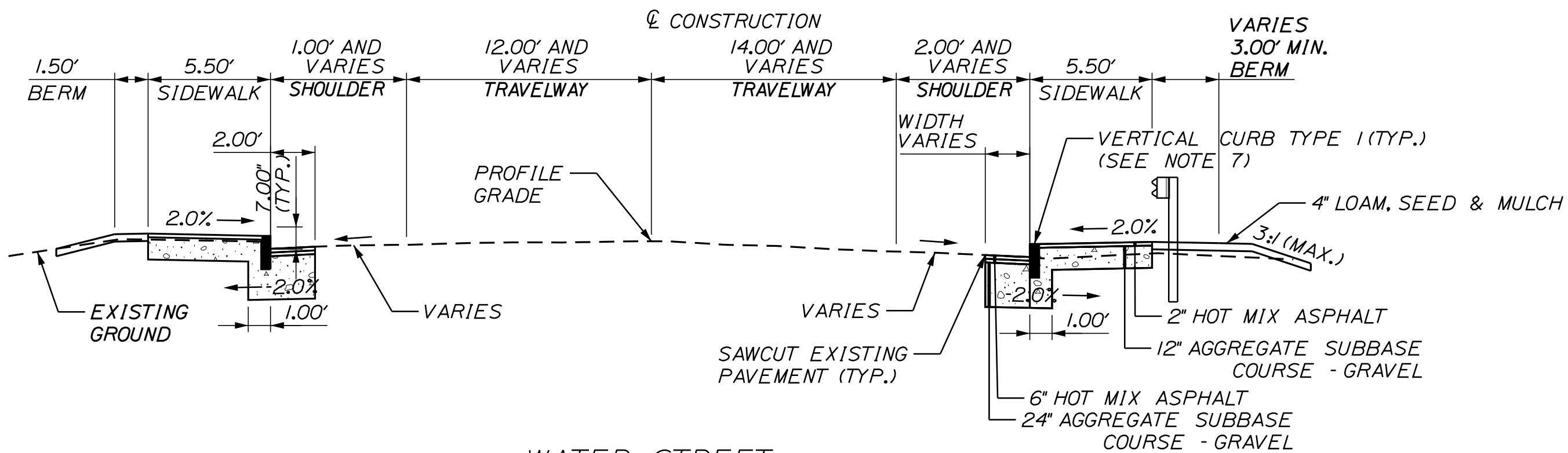
P.E. NUMBER

DATE

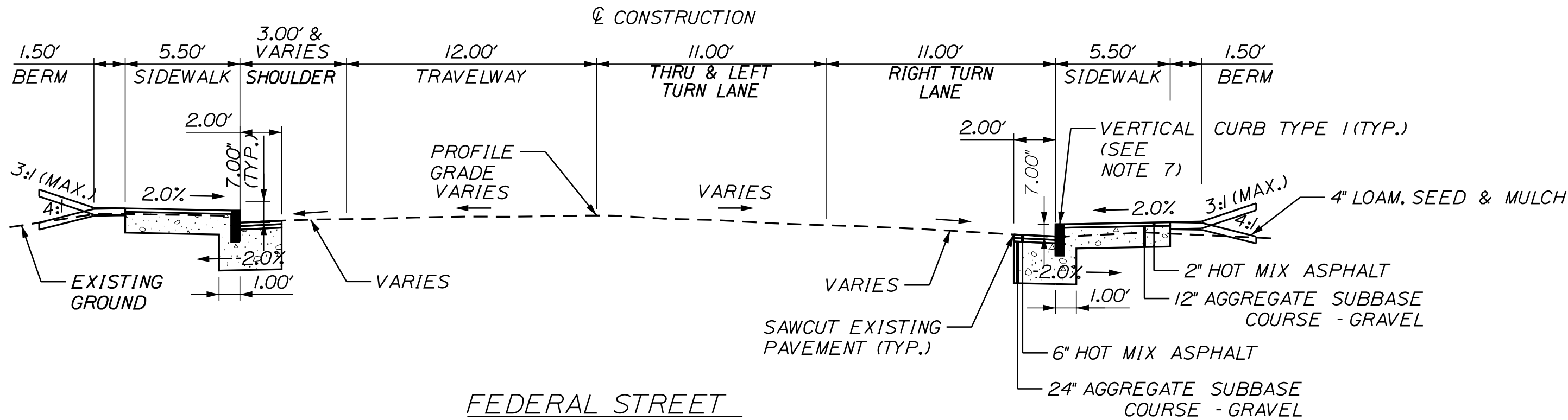
MARCH 11, 2023

- NOTES:**
1. THE PAVEMENT, BASE AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
 2. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE LOW SIDE SHOULDER SHALL HAVE THE SAME SLOPE AS THE TRAVELWAY.
 3. CROSS SLOPES FOR BOTH NORMAL AND SUPERELEVATION SECTIONS SHALL BE STRAIGHT UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.
 4. THE GRAVEL QUANTITY CALCULATION IS BASED ON A 4" LOAM OR DIRTY BORROW DEPTH. THE ACTUAL DEPTH MAY VARY. SEE THE GENERAL NOTES.
 5. THE ALGEBRAIC DIFFERENCE BETWEEN TRAVELWAY AND SHOULDER SHALL NOT EXCEED 8 PERCENT.
 6. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.
 7. GRANITE CURB SHALL BE BEDDED IN CONCRETE.

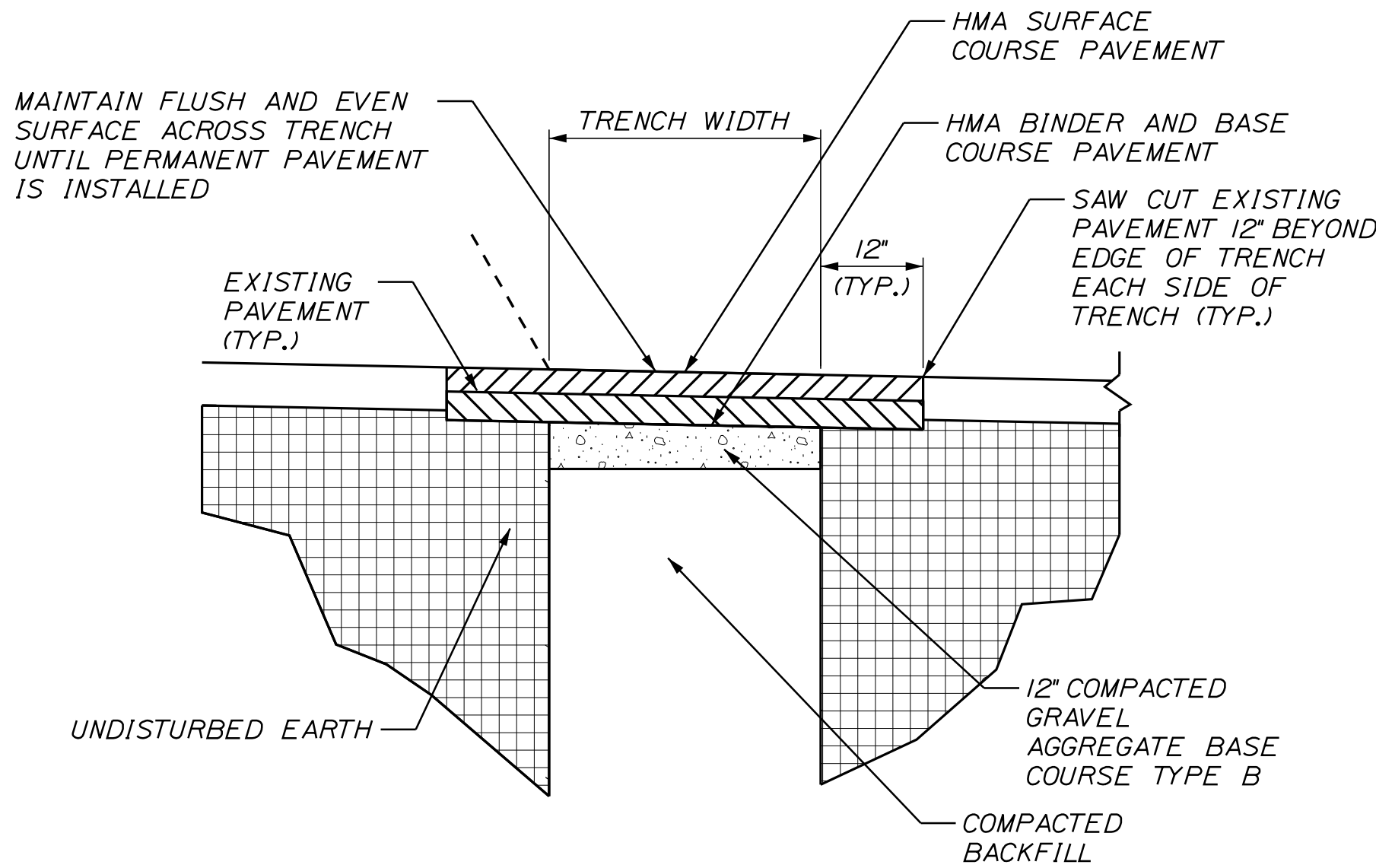




WATER STREET
SAWCUT AND CURB PLACEMENT
PC STA. 11+73.80 TO 12+50.00



FEDERAL STREET
SAWCUT AND CURB PLACEMENT
STA. 10+93 TO 11+33



PAVEMENT RESTORATION DETAIL

OF 5		3		SHEET NUMBER		FEDERAL, MASON AND WATER STREET PEDESTRIAN IMPROVEMENTS BRUNSWICK CUMBERLAND COUNTY		PROJ. MANAGER #PROJ.MANAGERS DESIGN-DETAILED T. SMITH 7/14/2023 CHECKED-REVIEWED P. DUVAL K. WOOD 7/14/2023 DESIGN2-DETAILED2 DESIGN3-DETAILED3 REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES		TYPICAL SECTIONS		CUMBERLAND COUNTY		SIGNATURE		P.E. NUMBER		DATE MARCH 1, 2023		HIGHWAY PLANS	

GENERAL NOTES

1. THE UTILITIES INVOLVED IN THIS CONTRACT ARE AS FOLLOWS:
CENTRAL MAINE POWER, CONSOLIDATED COMMUNICATIONS, BRUNSWICK
SEWER DISTRICT, BRUNSWICK AND TOPSHAM WATER DISTRICT, FIRSTLIGHT
FIBER, AND MAINE NATURAL GAS.
2. ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE
UTILITIES UNLESS OTHERWISE NOTED.
3. CLEARING LIMITS SHALL BE AS SHOWN ON THE PLANS UNLESS
OTHERWISE AUTHORIZED BY THE RESIDENT.
4. ALL CLEARING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT
AND NO SEPARATE PAYMENT WILL BE MADE. THE ACTUAL LINES FOR
CLEARING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AS
INDICATED ON THE PLANS AND APPROVED BY THE RESIDENT.
5. PRIOR TO REMOVING ANY PAVEMENT OR PLACING ANY SHIM PAVEMENT,
THE ROADWAY WILL BE INSPECTED FOR POSSIBLE SUBSURFACE
BOULDERS, WHICH WILL BE REMOVED AS DIRECTED BY THE RESIDENT.
PAYMENT WILL BE MADE UNDER APPROPRIATE CONTRACT RENTAL
ITEMS. BACKFILL WILL BE PLACED TO SUBGRADE WITH MATERIAL
CONSISTENT WITH THE SURROUNDING MATERIAL. AGGREGATE SUBBASE
COURSE GRAVEL WILL BE PLACED AND COMPACTED FROM SUB-GRADE
TO FINISH GRAVEL GRADE. ANY MATERIAL AND EQUIPMENT USED TO
BACKFILL HOLES AFTER REMOVAL OF BOULDERS WILL BE CONSIDERED
INCIDENTAL TO THE CONTACT ITEMS.
6. ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED
OF OFF THE PROJECT IN ACCEPTABLE WASTE AREAS REVIEWED BY THE
RESIDENT. GRADING, SEEDING AND MULCHING OF WASTE AREAS SHALL
BE CONSIDERED INCIDENTAL.
7. ALL PAVED WALKS TO BE CONSTRUCTED WITH 12" AGGREGATE SUBBASE
COURSE-GRAVEL AND 2" HOT MIX ASPHALT UNLESS OTHERWISE NOTED
IN THE PLANS OR DIRECTED BY THE RESIDENT.
8. ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING
SHALL BE INCIDENTAL TO THE RELATED PAVING ITEMS.
9. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED
WITHOUT PRIOR APPROVAL OF THE RESIDENT.
10. LOAM HAS BEEN ESTIMATED FOR DISTURBED LAWN AREAS. ACTUAL
PLACEMENT OF THE LOAM SHALL BE AS NOTED ON THE PLANS OR
DESIGNATED BY THE RESIDENT.
11. UNLESS OTHERWISE NOTED SEEDING METHOD NO. 1 SHALL BE UTILIZED
FOR ALL LOCATIONS.

12. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES IN LAWN
AREAS AND 2 INCHES IN ALL OTHER AREAS UNLESS OTHERWISE NOTED
OR DIRECTED.
13. THE CONTRACTOR IS RESPONSIBLE FOR THE CAREFUL SIDE STAKING OF
EXISTING CENTERLINE AS PER STANDARD SPECIFICATION 105.6.2. SIDE
STAKES SHALL BE PLACED SAFELY OUTSIDE OF THE CONSTRUCTION
LIMITS AND THE EXISTING CENTERLINE GRADES SHALL BE TRANSFERRED
TO THESE STAKES. THESE STAKES AND GRADES WILL BE USED TO
LAYOUT CENTERLINE AND DETERMINE NEW CONSTRUCTION FINISH
GRADES FROM DIFFERENTIAL ELEVATION SHEETS FURNISHED BY
MAINEDOT. ALL LAYOUT, STAKES, AND GRADES WILL BE CHECKED AND
MUST BE ACCEPTABLE TO THE RESIDENT.
14. ANY DAMAGE TO THE SLOPES CAUSED BY THE CONTRACTOR'S
EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED TO THE
SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT, AND
MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE
CONTRACTOR'S EXPENSE.
15. THE FILL QUANTITY SHOWN ON THE CROSS SECTIONS INCLUDES THE
WASTE STORAGE.
16. ESTIMATED QUANTITIES FOR REQUIRED STRUCTURAL EARTH
EXCAVATION, DRAINAGE AND MINOR STRUCTURES ARE INFORMATIONAL
ONLY AND REPRESENT THE APPROXIMATE MINIMUM QUANTITY
REQUIRED TO INSTALL DRAINAGE STRUCTURES. ADDITIONAL
EXCAVATION FOR THE CONTRACTOR'S CONVENIENCE OR TO COMPLY
WITH BACKSLOPING REQUIREMENTS WILL NOT BE PAID FOR DIRECTLY
BUT WILL BE CONSIDERED INCIDENTAL TO THE RELATED DRAINAGE
ITEMS.
17. NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE
MADE FOR THE SUPERVISION OF EQUIPMENT BEING PAID FOR UNDER THE
EQUIPMENT RENTAL ITEMS.
18. STATIONS REFERENCED ARE APPROXIMATE.
19. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE
DEPARTMENT OF TRANSPORTATION'S BEST MANAGEMENT PRACTICES
FOR EROSION CONTROL & SEDIMENT CONTROL, FEBRUARY, 2008.
20. THE CONTRACTOR WILL PLACE APPROPRIATELY MARKED STAKES AT THE
FOLLOWING LOCATIONS ON THE PROJECT: STRIPING PATTERN CHANGES,
CROSS-SLOPE CHANGES, AND EVERY 500' FOR STATIONING. THE
CONTRACTOR WILL PAINT EVERY FULL STATION (100') ON THE EXISTING
ROADWAY AND WILL TRANSFER THE PAINTED STATIONING THROUGH
ALL INTERMEDIATE LIFTS (NOT SURFACE). APPROPRIATELY SIZED
STRIPING PATTERN CHANGES WILL BE PAINTED ON SURFACE.
STATIONING CONTROL MUST BE PLACED BEFORE WORK CAN COMMENCE.
CROSS-SLOPE AND STRIPING CHANGE CONTROLS MUST BE PLACED
BEFORE PAVING CAN COMMENCE. A TRAFFIC CONTROL PENALTY WILL BE
ASSESSED FOR EACH DAY OF NON-COMPLIANCE
21. THE FOLLOWING SHALL BE INCIDENTAL TO THE 603 ITEMS:

- ANY CUTTING OF EXISITNG CULVERTS AND OR CONNECTORS NECESSARY
TO INSTALL NEW CULVERT REPLACEMENTS OR EXTENSIONS

- ALL PIPE EXCAVATION INCLUDING ANY CUTTING AND REMOVAL OF
PAVEMENT

- ALL DITCHING AT PIPE ENDS

- FURNISHING, PLACING, GRADING, AND COMPACTING OF ANY NEW
GRAVEL AND/OR FILL MATERIAL INCLUDING GRANULAR BORROW USED
UNDER PIPES AND FOR TEMPORARY DETOURS TO MAINTAIN TRAFFIC
DURING PIPE INSTALLATION (EXCAVATION IS ALSO INCIDENTAL)

- GRANULAR BORROW UNDER THE PIPE SHALL MEET THE
REQUIREMENTS FOR UNDERWATER BACKFILL

- ALL WORK NECESSARY TO CONNECT TO EXISTING PIPES AND
DRAINAGE STRUCTURES

- FLOW LINES MAY BE CHANGED BY 1.5 FT

- ANY NECESSARY CLEARING OF BRUSH AND NON-PAY TREES AT
CULVERT ENDS
22. THE FOLLOWING SHALL BE INCIDENTAL TO THE 603 ITEMS:

FEDERAL, MASON AND WATER STREET
PEDESTRIAN IMPROVEMENTS
BRUNSWICK CUMBERLAND COUNTY

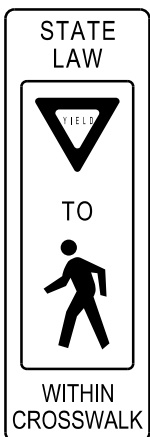
GENERAL NOTES

TOWN OF BRUNSWICK, MAINE

WIN 26326.00

HIGHWAY PLANS

PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED	T. SMITH	7/14/2023			
CHECKED-REVIEWED	K. WOOD	7/14/2023			
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REVISIONS 3					
REVISIONS 4					
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



PLACE FLEXIBLE CROSSWALK
SIGN IN MIDDLE OF CROSSWALK
ON WATER ST AND MASON STREET.

25 0 25 50

Scale of Feet

LEGEND:

	REMOVE EXISTING SIDEWALK. PLACE LOAM, SEED AND MULCH. MATCH EXISTING GRADE
	DETECTABLE WARNING FIELD

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PLAN

SHEET NUMBER

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