

SHEET 1 OF 17 SHEETS BRIDGE NO. N-25-017 (3JP)

NORWOOD

IN ACCORDANCE WITH THE 1983 AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, MANUAL FOR MAINTENANCE INSPECTIONS OF BRIDGES, AND INTERIM SPECIFICATIONS, 1984 THROUGH 1988 FOR H20 LOADING AS REFERENCED IN THE EXISTING RATING REPORT.

EXISTING CONDITIONS:

THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING DETAILS NECESSARY TO COMPLETE THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADEQUACY AND ACCURACY THEREOF AND SHALL NOT ORDER ANY MATERIALS UNTIL THE REQUIRED MEASUREMENTS HAVE BEEN MADE ON THE STRUCTURE. ALL EXISTING BRIDGE DIMENSIONS SHOWN THROUGHOUT THESE PLANS ARE TAKEN FROM THE EXISTING BRIDGE PLANS, DATED 1966.

EXISTING BRIDGE PLANS:

PLANS FOR THE EXISTING BRIDGE ARE AVAILABLE AND HAVE BEEN INCLUDED IN THE BIDDING PACKAGE.

SCALES:

DRAWINGS ARE TO SCALE FOR FULL SIZED SHEETS (24"X36") BUT ARE NOT APPLICABLE TO REDUCED SIZE PRINTS. DIVIDE SCALES BY 2 FOR HALF-SIZE PRINTS (A3).

BENCHMARK:

HYDRANT-BOLT OVER MAIN OUTLET EL. 66.62'

N: 2888680.8185 E: 735362.5930

ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

MATERIALS:

SELF-CONSOLIDATING REPAIR MORTAR: CONCRETE SIDEWALK RESURFACING, PARTIAL AND FULL DEPTH CONCRETE BEAM REPAIRS

ULTRA HIGH PERFORMANCE CONCRETE: PROTECTICE OVERLAY ON TOP OF EXISTING ROADWAY BEAMS (SEE ITEM 476.36)

REINFORCEMENT:

REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 31 GRADE 60. ALL REINFORCING STEEL SHALL BE EPOXY COATED UNLESS OTHERWISE NOTED. UNLESS OTHERWISE NOTED ON THE CONSTRUCTION DRAWINGS, ALL BARS SHALL BE LAPPED AS FOLLOWS:

MODIFICATION CONDITION:	<u>#4 BARS</u>	<u>#5 BARS</u>	<u>#6 BARS</u>
1. NONE	16"	19"	23"
2. 12" OF CONCRETE BELOW BAR	20"	25"	30"
3. EPOXY COATED BARS, COVER < 3db,	OR		
CLEAR SPACING < 6db	23"	29"	34"
4. COATED BARS, ALL OTHER CASES	18"	23"	27"
5. CONDITION 2. AND 3.	26"	32"	39"
6. CONDITION 2. AND 4.	24"	30"	36"

ALL OTHER BARS SHALL BE LAPPED AS SHOWN ON THE CONSTRUCTION DRAWINGS.

STEEL REINFORCEMENT MATS SHALL BE SECURED AGAINST DISPLACEMENT BY TYING INTERSECTION POINTS WITH A MAXIMUM OF TWELVE (12) INCHES BETWEEN TIED JOINTS.

REINFORCEMENT IS TO BE PLACED AT A CLEAR DISTANCE OF TWO (2) INCHES FROM THE FACE OF CONCRETE, UNLESS OTHERWISE SHOWN ON THE PLANS.

MEMBRANE WATERPROOFING:

MEMBRANE WATERPROOFING APPLIED BETWEEN THE UHPC OVERLAY AND BRIDGE PAVEMENT SHALL BE MEMBRANE WATERPROOFING FOR BRIDGE DECKS, SPRAY APPLIED.

UTILITIES:

THE CONTRACTOR SHALL LOCATE AND PROTECT FROM DAMAGE ALL EXISTING UTILITIES. ALL EXISTING UTILITIES SHALL REMAIN IN PLACE AND ACTIVE THROUGHOUT THE DURATION OF CONSTRUCTION.

SHOP DRAWINGS:

THE CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS AS REQUIRED BY THE STANDARD SPECIFICATIONS AND THE LATEST MASSDOT BRIDGE MANUAL.

TRAFFIC CONTROL:

THE CONTRACTOR SHALL MAINTAIN TWO LANES OF TRAFFIC THROUGH THE DURATION OF BRIDGE CONSTRUCTION. NO WORK SHALL OCCUR IN EACH PHASE UNTIL ALL TEMPORARY TRAFFIC CONTROL FEATURES ARE COMPLETED IN PLACE. REPAIRS TO THE SUPERSTRUCTURE SHALL TAKE PLACE CONCURRENTLY WITH TOPSIDE WORK.

LANE CLOSURE WITH ALTERNATING TRAFFIC FOR PHASE 4 AND 5 (MILLING AND PAVING AT APPROACHES) SHALL BE COMPLETED DURING NIGHT TIME WITH POLICE DETAIL BETWEEN 9:00 PM AND 6:00 AM.

CLEAN (FULL REMOVAL) AND PAINT STEEL RAILINGS:

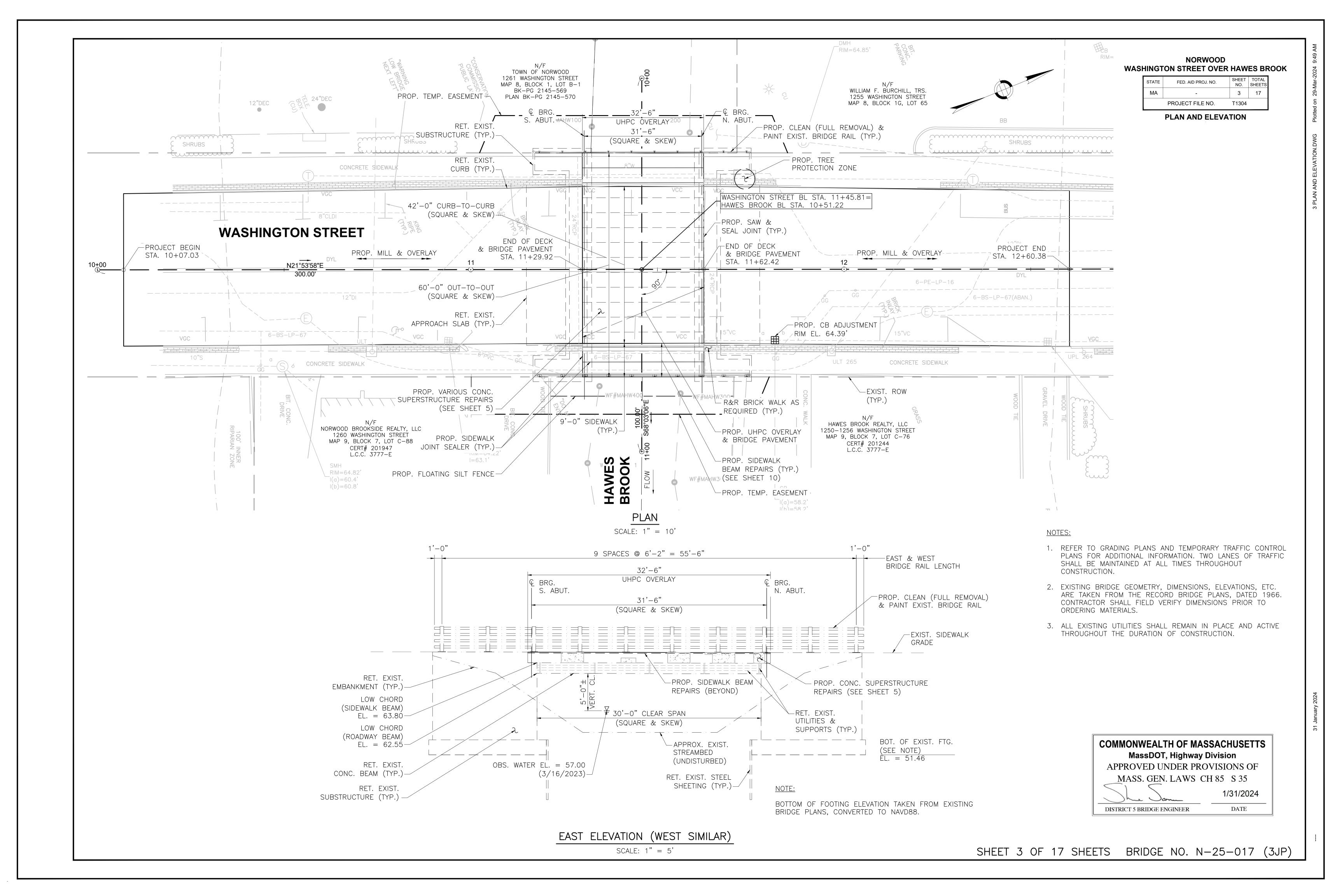
THE EXISTING STEEL BRIDGE RAILINGS AND ALL RELATED ELEMENTS (I.E. POSTS, BASEPLATES, BOLTS, ETC.) SHALL BE PAINTED STRUCTURAL STEEL MEETING THE PROVISIONS OF MASSDOT STANDARD SPECIFICATIONS SECTION 960. THE CONTRACTOR SHALL PAINT THE STEEL RAILINGS ON-SITE. THE RAILINGS SHALL REMAIN IN PLACE THROUGHOUT THE DURATION OF CONSTRUCTION.

ALL STEEL SHALL BE PAINTED USING A THREE-COAT SYSTEM WITH MATERIALS ACCEPTED BY THE NORTHEAST PROTECTIVE COATING COMMITTEE (NEPCOAT). THE FINISH COLOR SHALL BE DETERMINED AFTER CONTRACT AWARD AND SHALL BE COORDINATED WITH THE TOWN OF NORWOOD.

COMMONWEALTH OF MASSACHUSETTS MassDOT, Highway Division APPROVED UNDER PROVISIONS OF MASS. GEN. LAWS CH 85 S 35

DISTRICT 5 BRIDGE ENGINEER

1/31/2024 DATE



DEMOLITION SECTION

(LOOKING UPSTATION)

NOT TO SCALE

SHEET 4 OF 17 SHEETS BRIDGE NO. N-25-017 (3JP)

DISTRICT 5 BRIDGE ENGINEER

1/31/2024

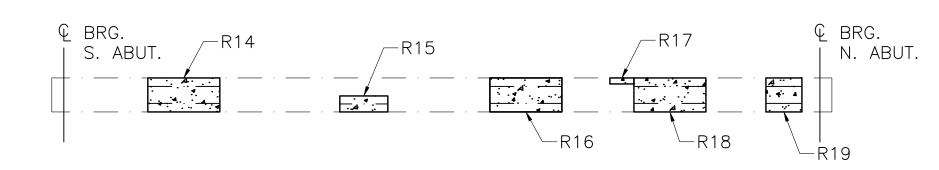
DATE

PROJECT FILE NO. SUPERSTRUCTURE REPAIR SCHEDULE

Q BRG. N. ABUT.

> BEAM 1 REPAIR ELEVATION (LOOKING EAST)

> > NOT TO SCALE



BEAM 15 REPAIR ELEVATION (LOOKING WEST)

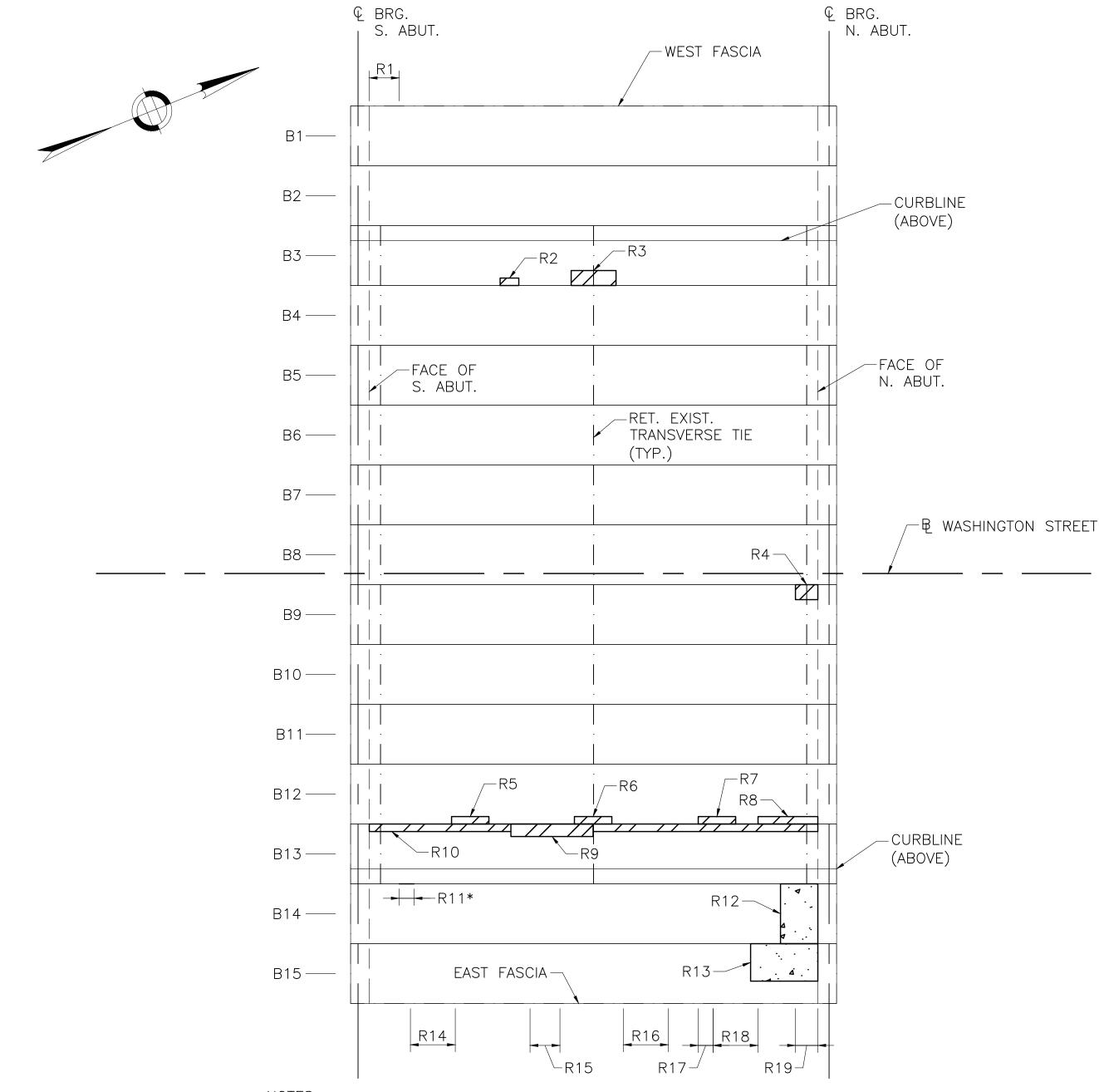
NOT TO SCALE

SUPERSTRUCTURE REPAIR SCHEDULE REPAIR NO. BEAM NO. LENGTH (IN.) WIDTH (IN.) AREA (SF) DEFICIENCY ASSUMED REPAIR TYPE SPALL W/ EXPOSED REBAR FULL DEPTH 3.00 R1 24 17 PARTIAL DEPTH 1.00 R2 В3 DELAMINATION 15 PARTIAL DEPTH R3 36 12 3.00 DELAMINATION R4 DELAMINATION PARTIAL DEPTH 18 2.00 R5 PARTIAL DEPTH 30 2.00 B12 DELAMINATION PARTIAL DEPTH R6 DELAMINATION 30 2.00 B12 2.00 R7 DELAMINATION PARTIAL DEPTH 30 B12 2.00 R8 DELAMINATION PARTIAL DEPTH 48 B12 PARTIAL DEPTH 5.00 R9 DELAMINATION 10 B13 66 R10 B13 DELAMINATION PARTIAL DEPTH 15.00 FL PARTIAL DEPTH 1.00 R11* B13 SPALL 12 4 R12 SPALL PARTIAL DEPTH 10.00 B14 30 FW R13 B15 SPALL PARTIAL DEPTH 54 30 12.00 SPALL W/ EXPOSED REBAR 36 R14 B15 FULL DEPTH FΗ 12.00 SPALL W/ EXPOSED REBAR 2.00 R15 FULL DEPTH 24 8 R16 SPALL W/ EXPOSED REBAR 36 12.00 B15 FULL DEPTH FΗ R17 PARTIAL DEPTH B15 SPALL 18 1.00 4 SPALL W/ EXPOSED REBAR R18 B15 FULL DEPTH 36 FΗ 12.00 PARTIAL DEPTH 2.00 R19 SPALL W/ EXPOSED REBAR B15 18 12

*SPALL LOCATED ON THE EXPOSED VERTICAL FACE OF B13

REPAIR SUMMARY								
DEFICIENCY	QUANTITY							
DELAMINATION	34.00	SF						
SPALL	24.00	SF						
SPALL W/ EXPOSED REBAR	43.00	SF						
ASSUMED TOPSIDE REPAIRS	60.00	SF						

NOTE: TOPSIDE REPAIRS ASSUME PARTIAL DEPTH ONLY



NOTES:

1. INTERNAL BEAM VOIDS NOT SHOWN FOR CLARITY.

- 2. DETERIORATION SHOWN ARE ALL LOCATED ON THE UNDERSIDE OF THE SUPERSTRUCTURE UNLESS OTHERWISE NOTED.
- 3. CONTRACTOR SHALL TAKE CARE NOT TO EXPOSE TRANSVERSE TIES DURING CONCRETE BEAM EXCAVATION. ANY DAMAGE TO TRANSVERSE TIES DUE TO DEMOLITION OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

SUPERSTRUCTURE REPAIR PLAN

NOT TO SCALE

LEGEND:



SPALL W/ EXPOSED REBAR

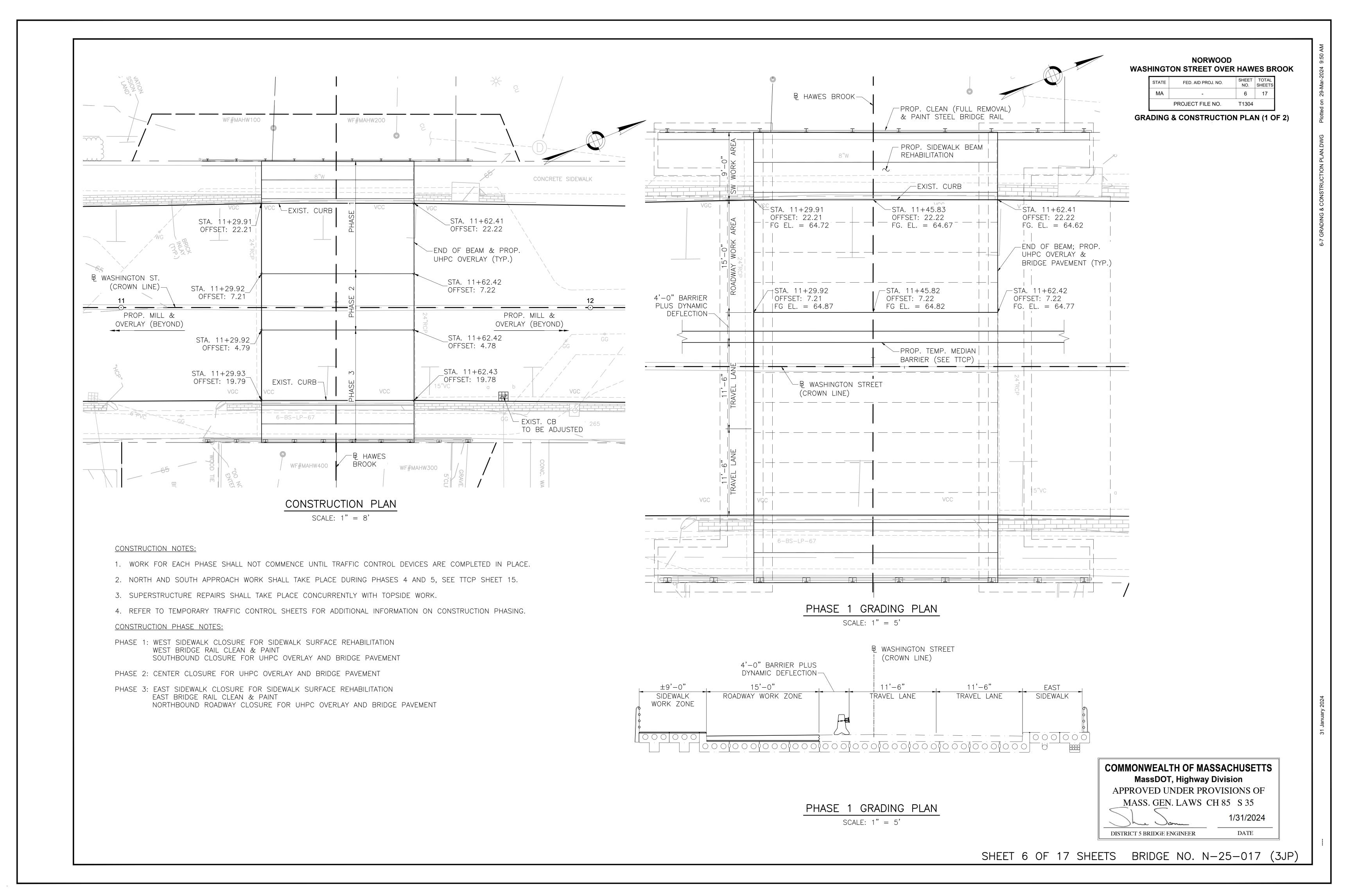
NOTES:

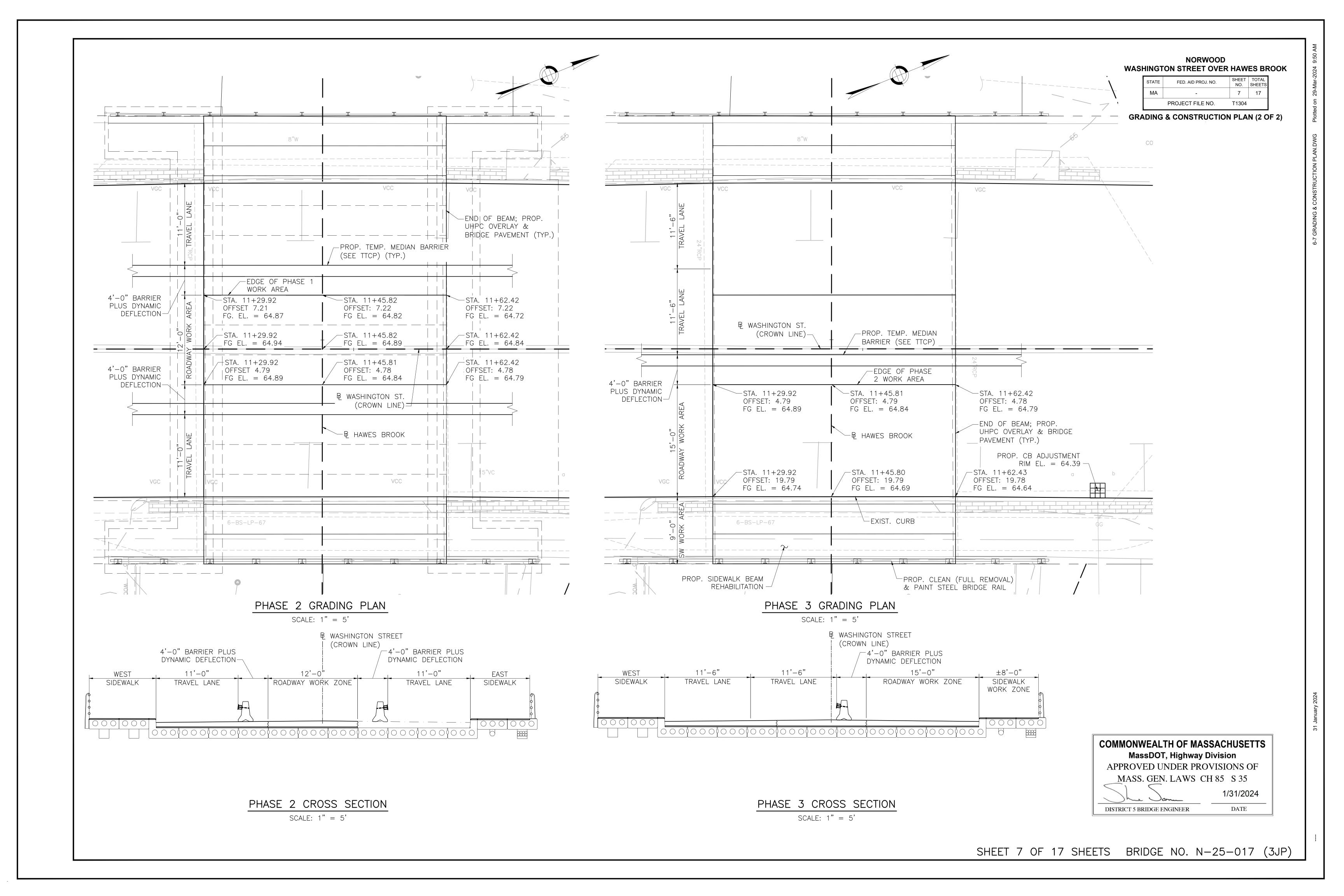
1. BRIDGE ORIENTATION AND LABELING IS PER THE MASSDOT ROUTINE INSPECTION REPORT DATED 06-10-2021.

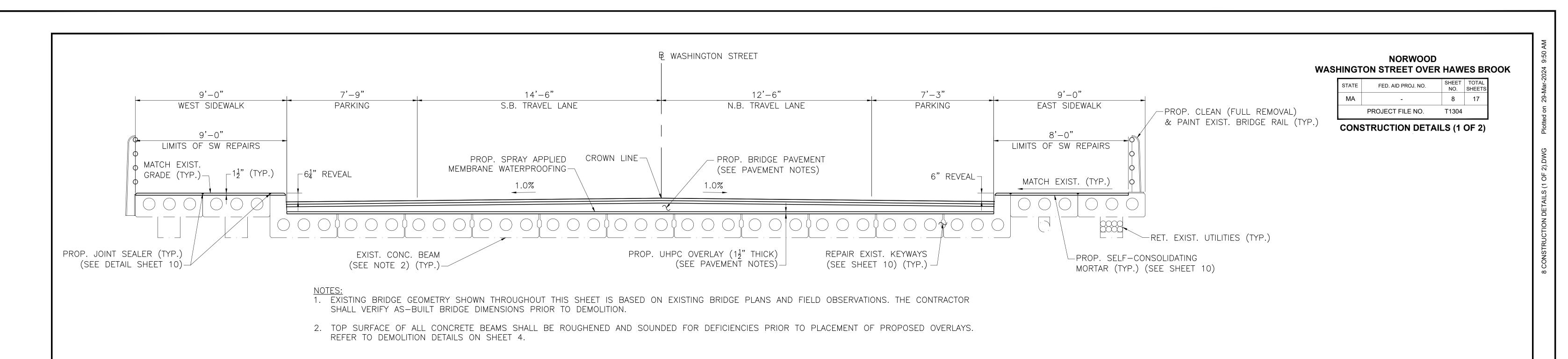
2. THE DETERIORATED AREAS INDICATED HEREIN ARE BASED ON AVAILABLE INFORMATION AND ARE NOT INTENDED TO BE ALL INCLUSIVE, RATHER A REPRESENTATION OF THE REPAIRS TO BE PERFORMED. THE ENGINEER SHALL SOUND ALL CONCRETE SURFACES IN THE FIELD AND MARK OUT ALL REPAIR LOCATIONS BEFORE THE CONTRACTOR COMMENCES ANY REPAIRS.

3. ALL DETERIORATED BEAM CONCRETE SHALL BE EXCAVATED TO THE LIMITS SPECIFIED ON SHEET 10.

4. EXISTING BRIDGE PAVEMENT OVER BEAMS 3-13 OBSTRUCTS VIEW OF THE TOP SURFACE CONDITIONS. ENGINEER SHALL SOUND THE TOP SURFACE OF THE BEAMS TO IDENTIFY REPAIR LOCATIONS ONCE BRIDGE PAVEMENT DEMOLITION IS COMPLETE.

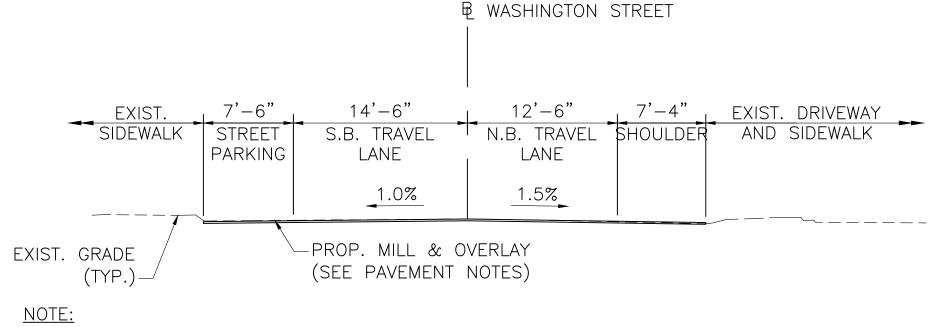






TRANSVERSE SECTION

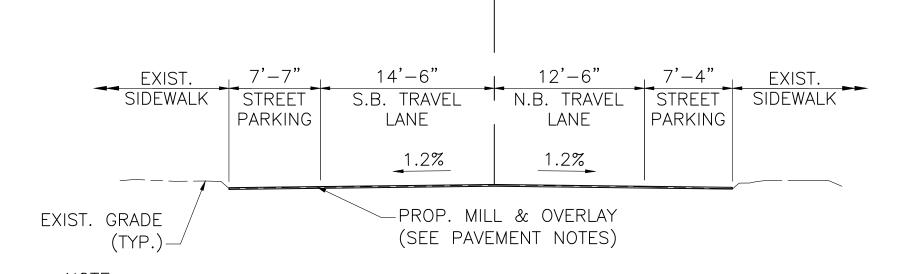
SCALE: $\frac{3}{8}$ " = 1'-0"



NOTE: SOUTH ROADWAY APPROACH SECTION TAKEN AT STATION 11+20.00 LOOKING UPSTATION.

SOUTH ROADWAY APPROACH SECTION NOT TO SCALE

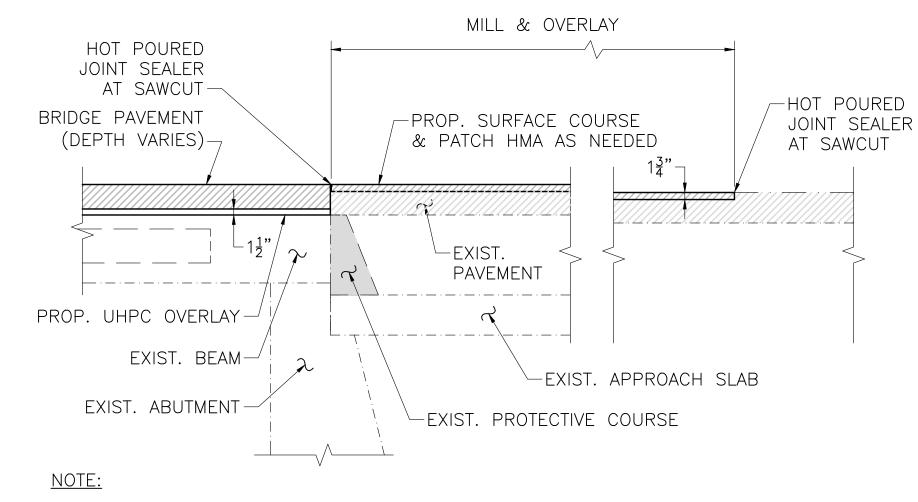
B WASHINGTON STREET



NOTE:
NORTH ROADWAY APPROACH SECTION TAKEN AT STATION 11+70.00 LOOKING UPSTATION.

NORTH ROADWAY APPROACH SECTION

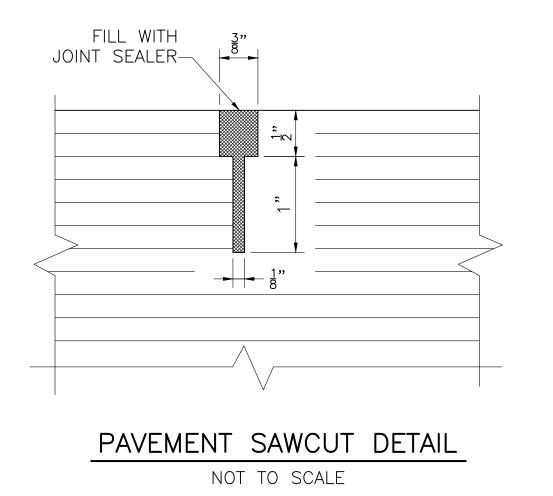
NOT TO SCALE



SEE LIMITS OF PAVEMENT NOTES FOR LENGTH OF PAVEMENT MILLING & OVERLAY.

END OF DECK DETAIL

SCALE: $1\frac{1}{2}$ " = 1'-0"



LIMITS OF PAVEMENT:

PROPOSED BRIDGE PAVEMENT STA 11+29.92 TO STA. 11+62.42

PROPOSED HMA MILLING AND OVERLAY STA. 10+07.03 TO STA. 11+29.92 STA. 11+62.42 TO STA. 12+60.38

PAVEMENT NOTES:

PROPOSED BRIDGE PAVEMENT

SURFACE: 13" SUPERPAVE BRIDGE SURFACE COURSE 9.5 (SSC-B-9.5) OVER

 $1\frac{3}{4}$ " SUPERPAVE BRIDGE PROTECTIVE COURSE 9.5 (SPC-B-9.5) BASE: VARIABLE DEPTH SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC-19.0)

(MIN. $3\frac{1}{2}$ " AT CURB, MAX. 6" AT CROWN) OVER 1½" UHPC OVERLAY

PROPOSED HMA MILLING AND OVERLAY

SURFACE: 1¾" SUPERPAVE SURFACE COURSE 9.5 (SSC-9.5) OVER 13" PAVEMENT FINE MILLING

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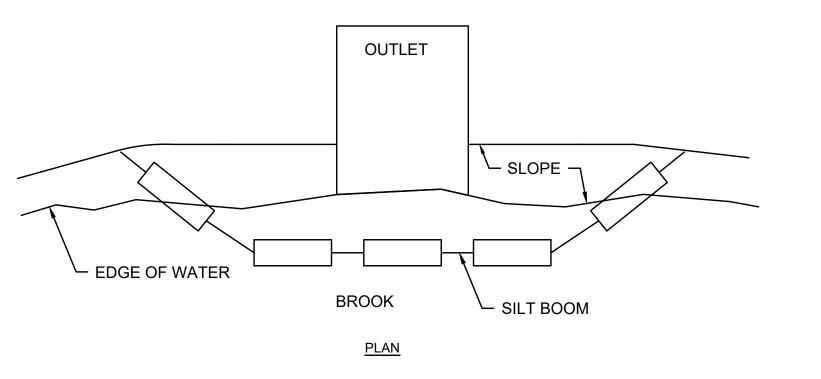
SHEET 8 OF 17 SHEETS BRIDGE NO. N-25-017 (3JP)

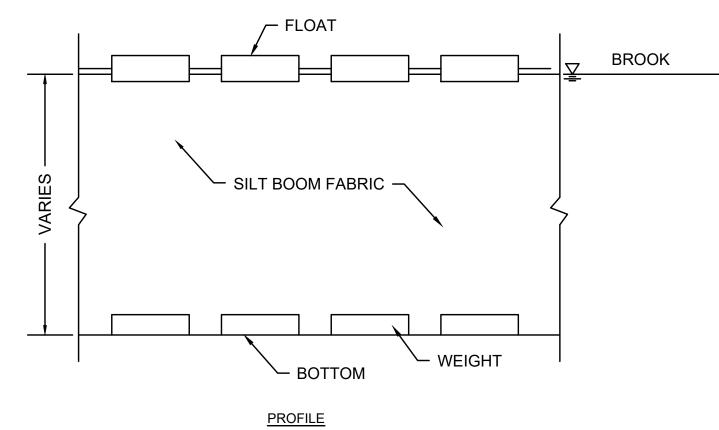
DISTRICT 5 BRIDGE ENGINEER

DATE

T1304

PROJECT FILE NO.





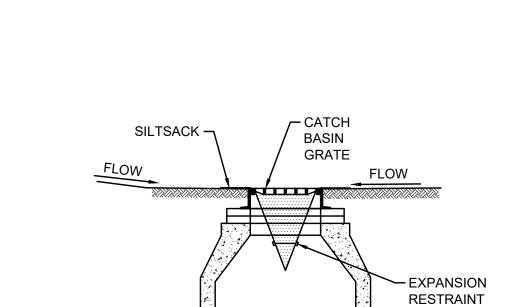
CATCH

BASIN

GRATE

PLAN VIEW

SILT BOOM FENCE
N.T.S.



NOTES:

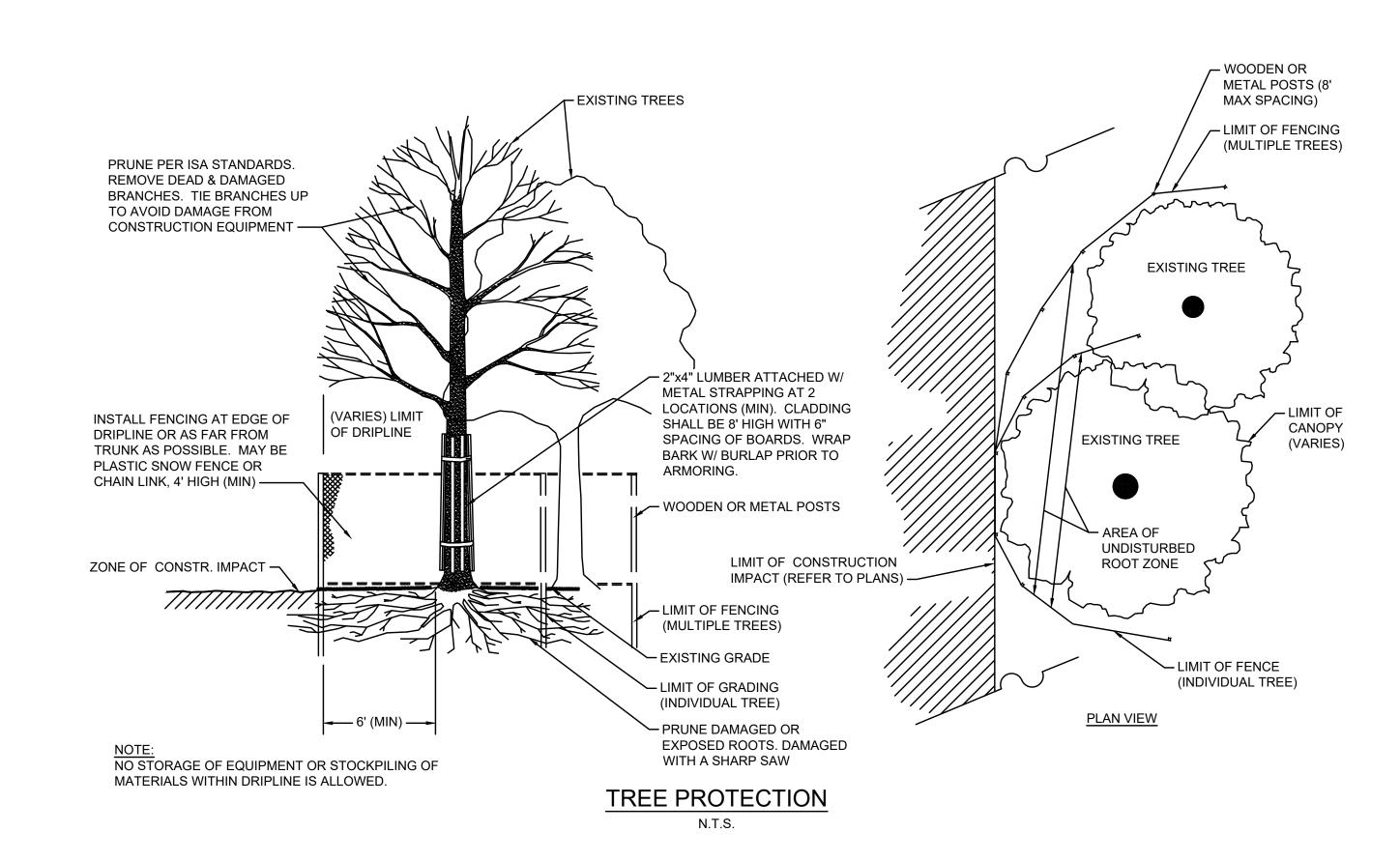
- INSTALL SILT SACK IN EXISTING CATCH BASINS BEFORE COMMENCING WORK, AND IN NEW CATCH BASINS IMMEDIATELY AFTER INSTALLATION OF STRUCTURE. MAINTAIN UNTIL BINDER COURSE PAVING IS COMPLETE OR A PERMANENT STAND OF GRASS HAS BEEN ESTABLISHED.
- 2. GRATE TO BE PLACED OVER SILT SACK.

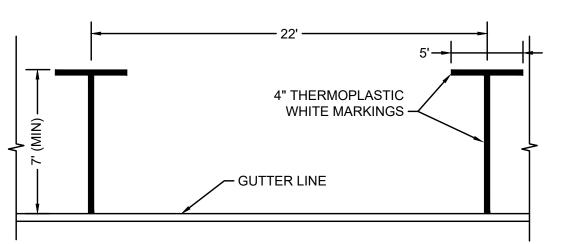
SECTION VIEW

3. SILT SACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.

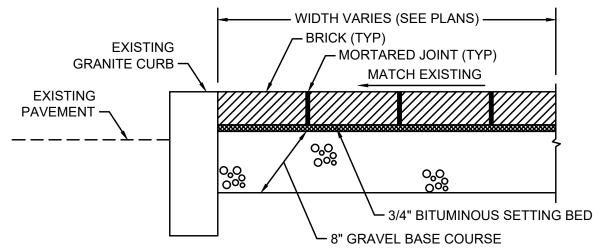
INLET PROTECTION SILT SACK IN CATCH BASIN

N.T.S.





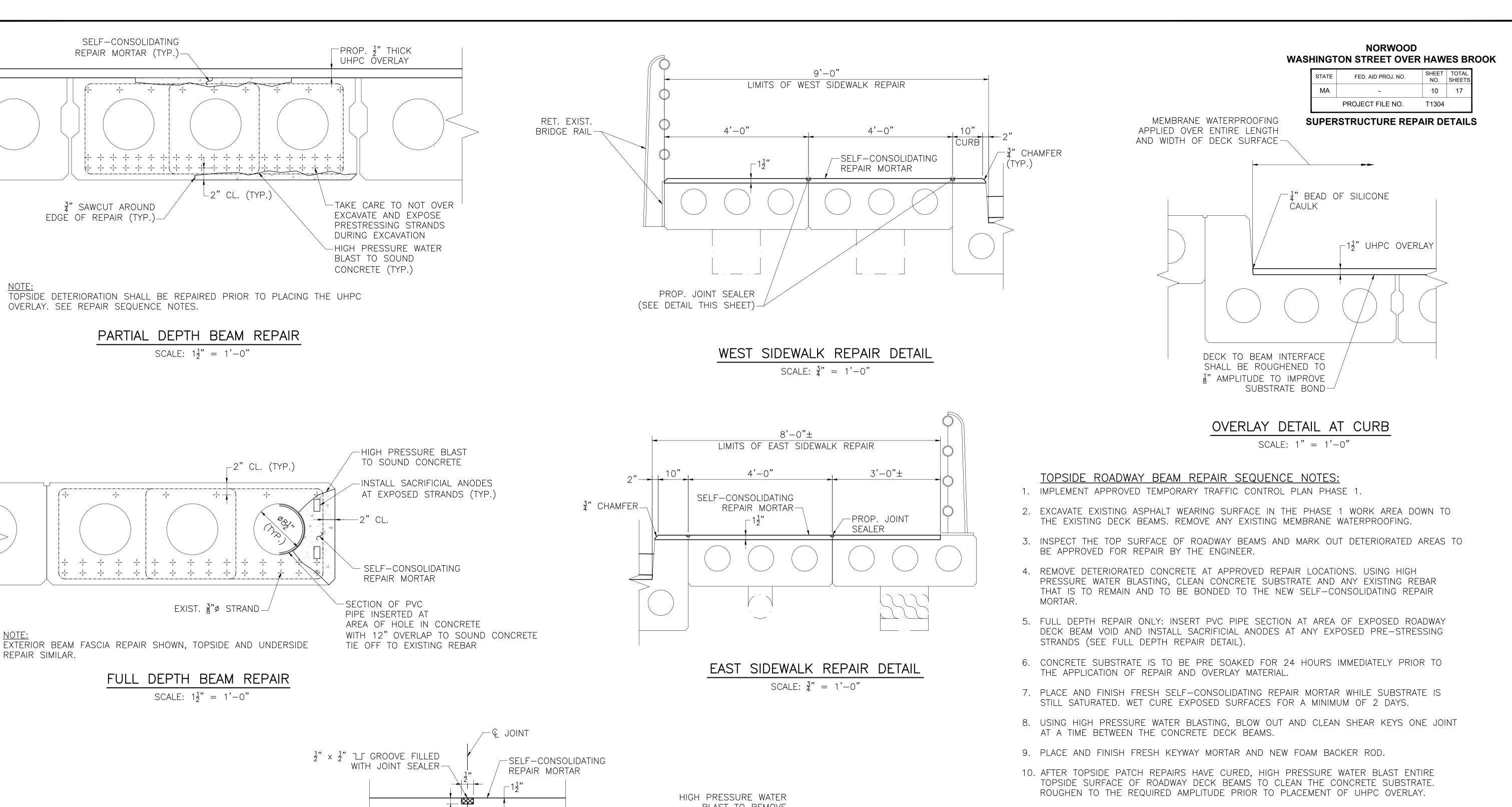
PARALLEL PARKING STALL PAVEMENT MARKING N.T.S.

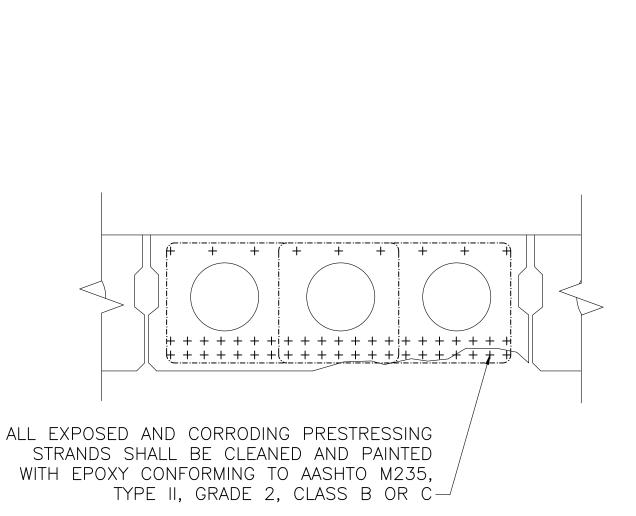


NOTE:
CONTRACTOR SHALL REHABILITATE SUBGRADE MATERIAL AS REQUIRED TO RESET BURIED OR SETTLED BRICK. REFER TO SPECIAL PROVISION NO. 706.1 FOR ADDITIONAL INFORMATION.

BRICK WALK REMOVED AND RELAID

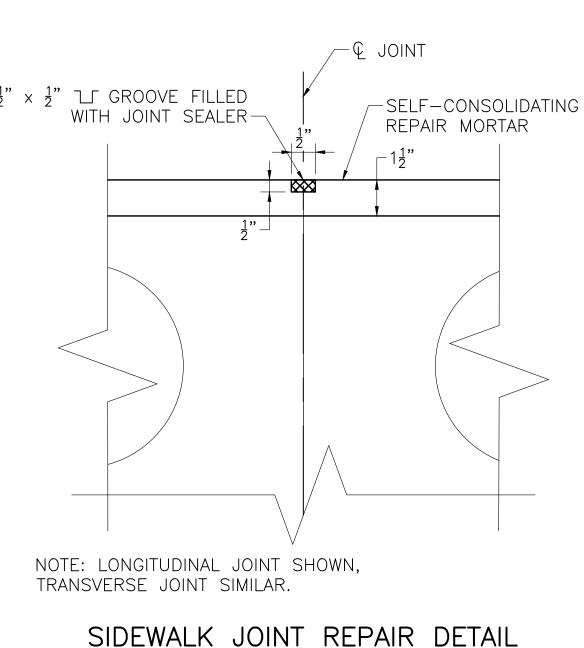
N.T.S.



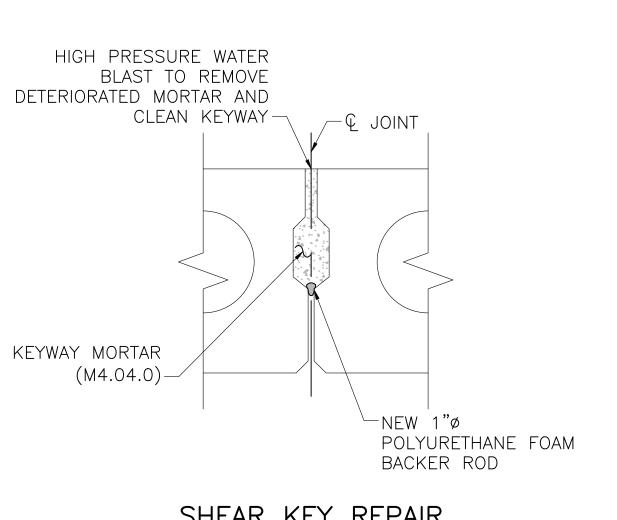


EXPOSED STRAND REPAIR

NOT TO SCALE



NOT TO SCALE



SHEAR KEY REPAIR NOT TO SCALE

COMMONWEALTH OF MASSACHUSETTS

MassDOT, Highway Division

APPROVED UNDER PROVISIONS OF

MASS. GEN. LAWS CH 85 S 35

1/31/2024

DISTRICT 5 BRIDGE ENGINEER

DATE

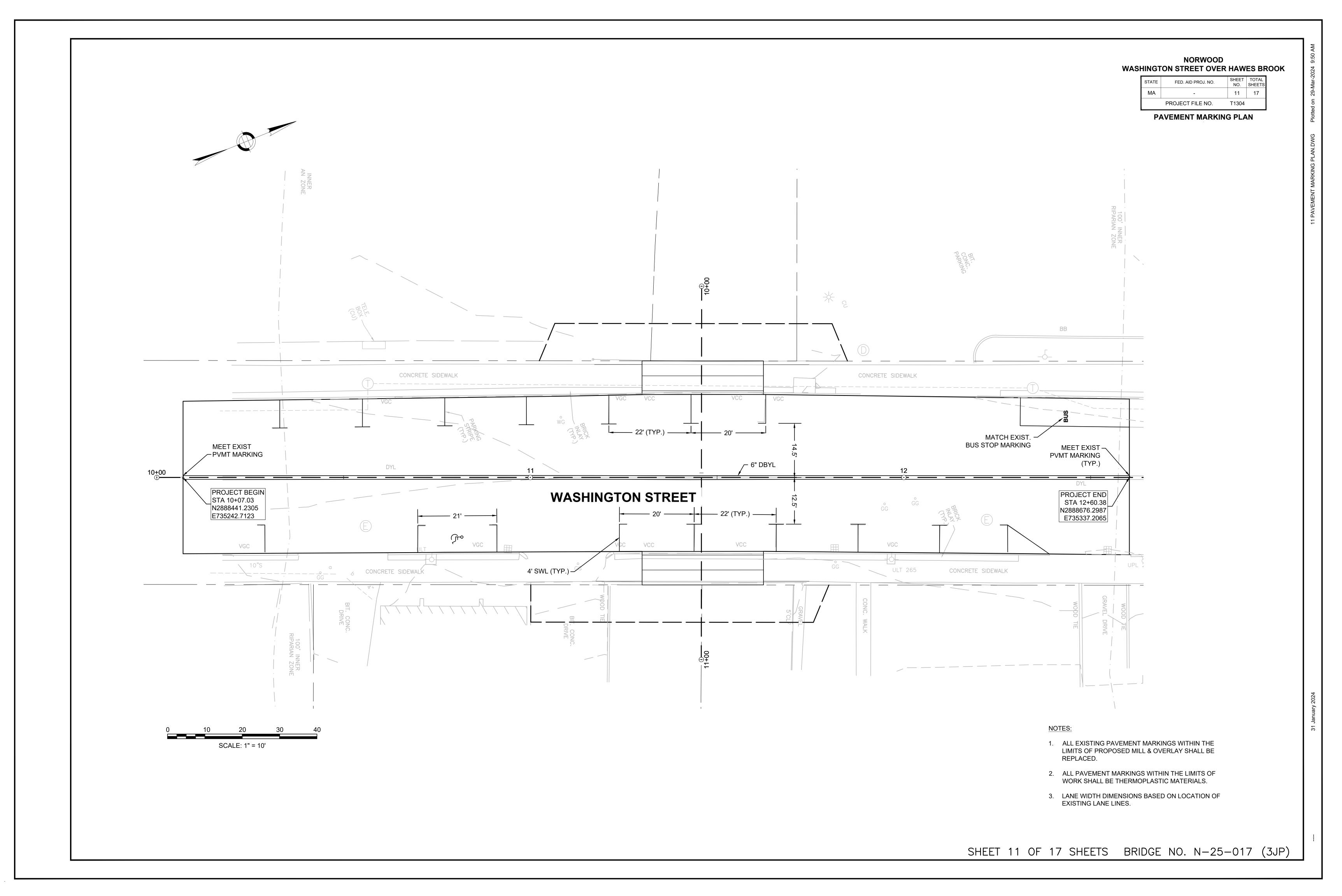
11. POUR UHPC OVERLAY TO A UNIFORM THICKNESS OF $1\frac{1}{2}$ ". INSTALLATION OF THE UHPC

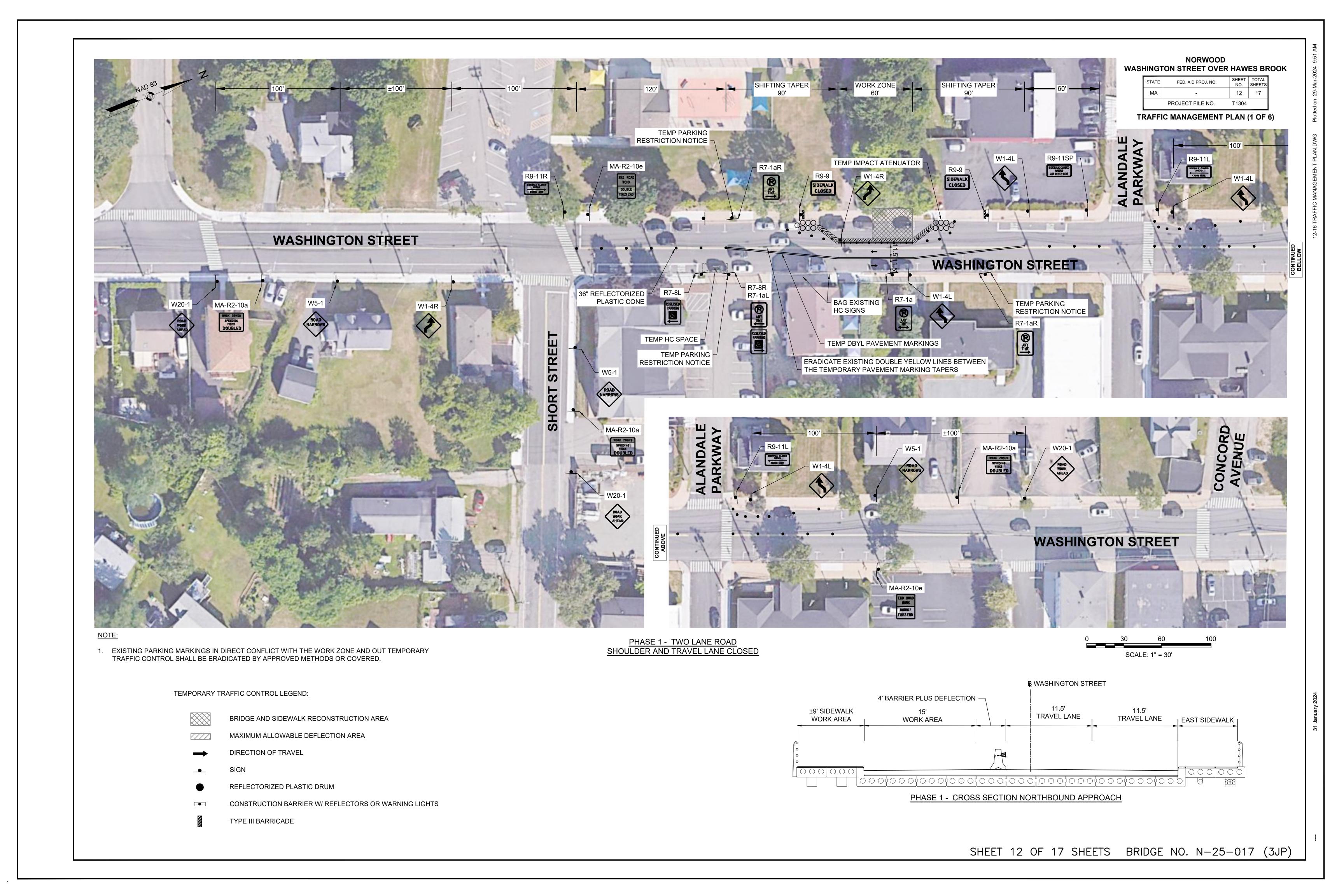
14. REPEAT STEPS 1 THROUGH 13 FOR EACH SUBSEQUENT PHASE OF CONSTRUCTION.

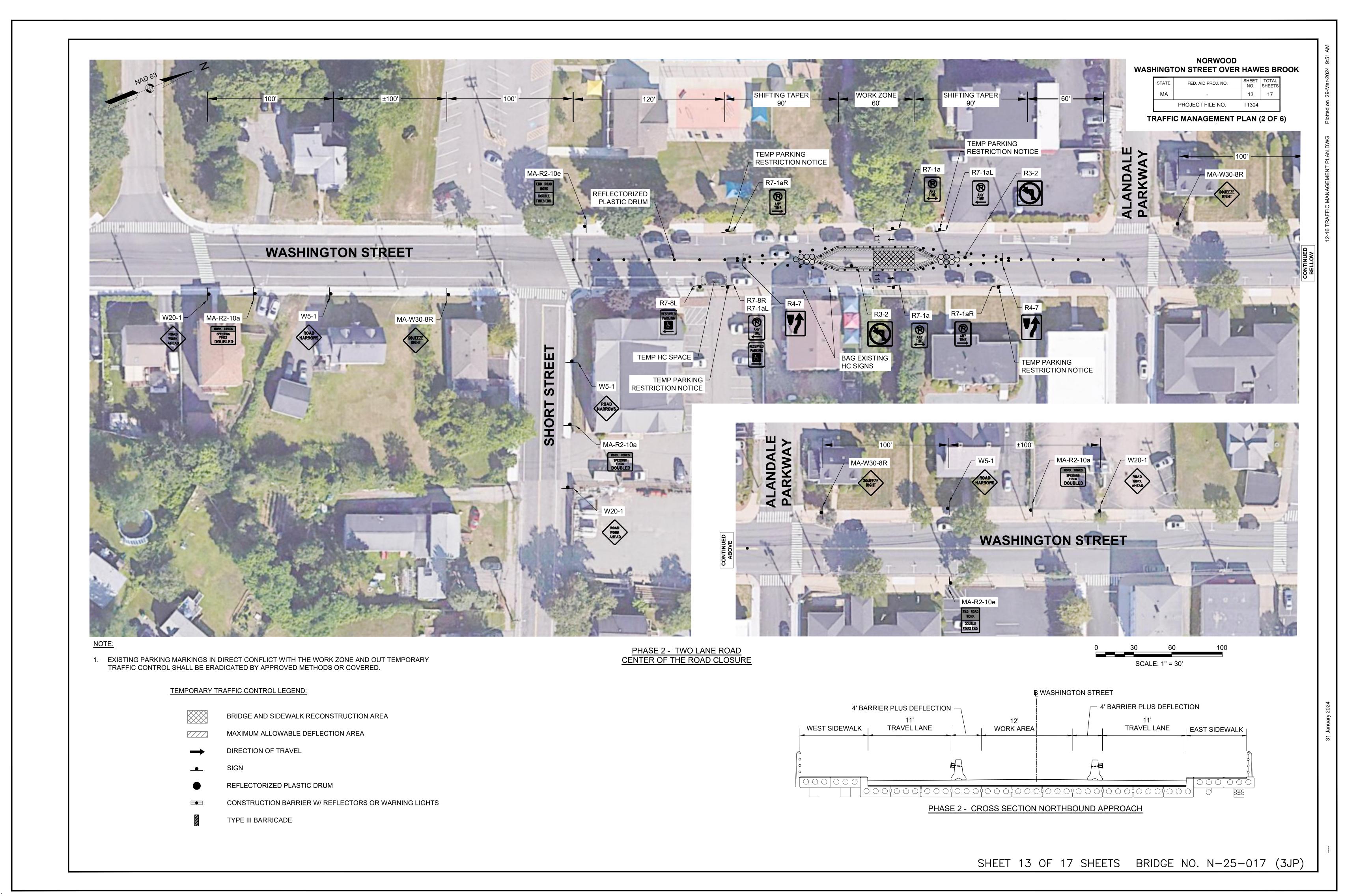
12. APPLY MEMBRANE WATERPROOFING ON THE CURED UHPC SURFACE.

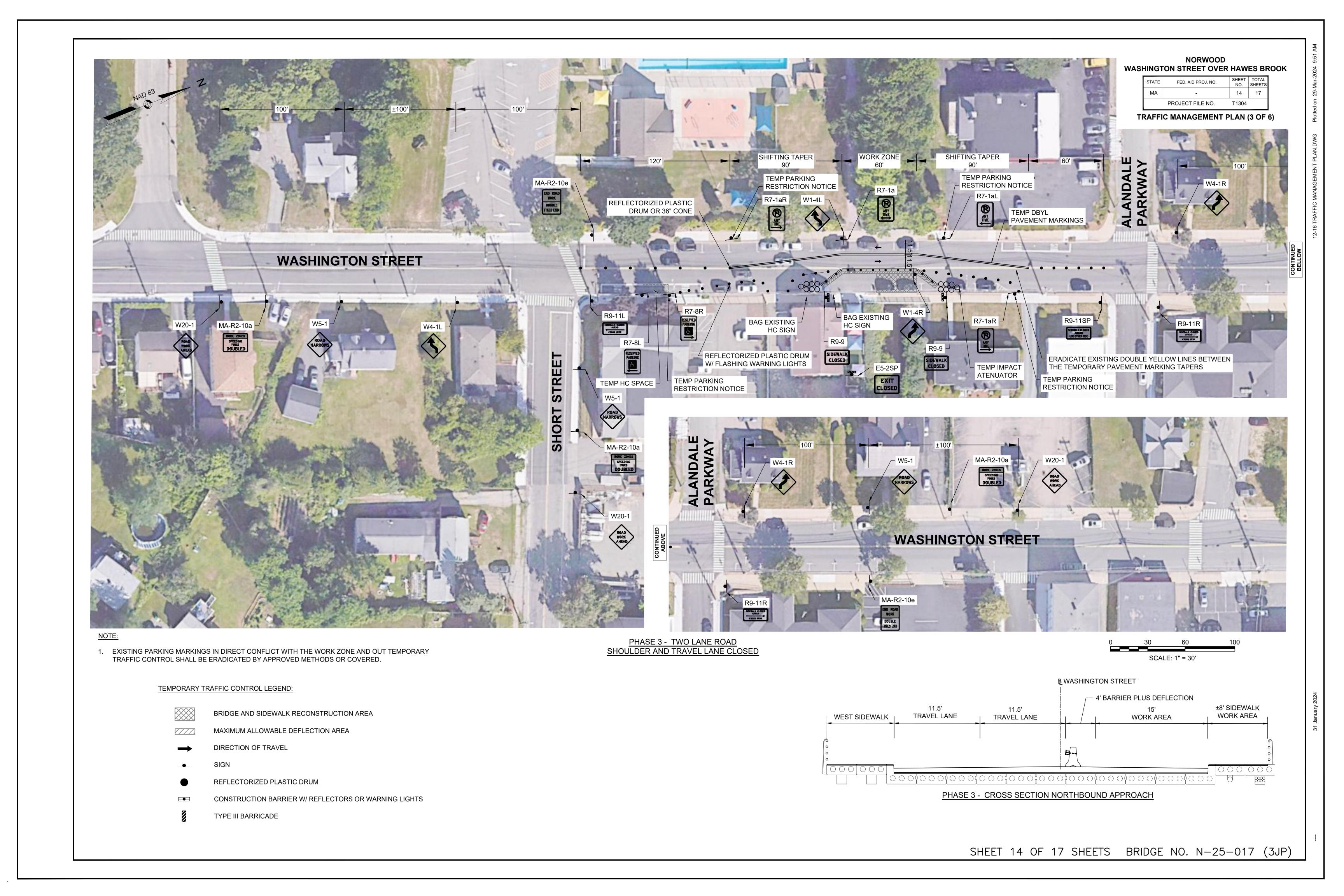
13. PLACE HMA WEARING SURFACE TO THE PROPOSED FINISHED GRADES.

OVERLAY SHALL BE IN STRICT COMPLIANCE WITH THE MANUFACTURER'S INSTRUCTIONS.









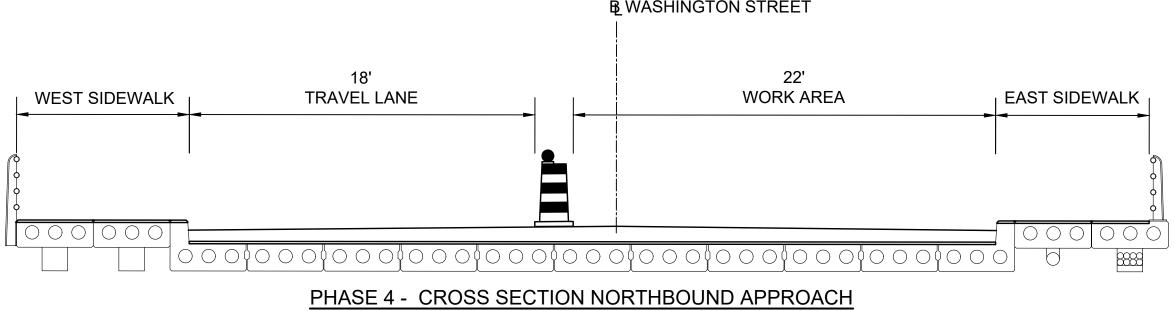


BRIDGE AND SIDEWALK RECONSTRUCTION AREA

DIRECTION OF TRAVEL

REFLECTORIZED PLASTIC DRUM

POLICE DETAIL



SHEET 15 OF 17 SHEETS BRIDGE NO. N-25-017 (3JP)



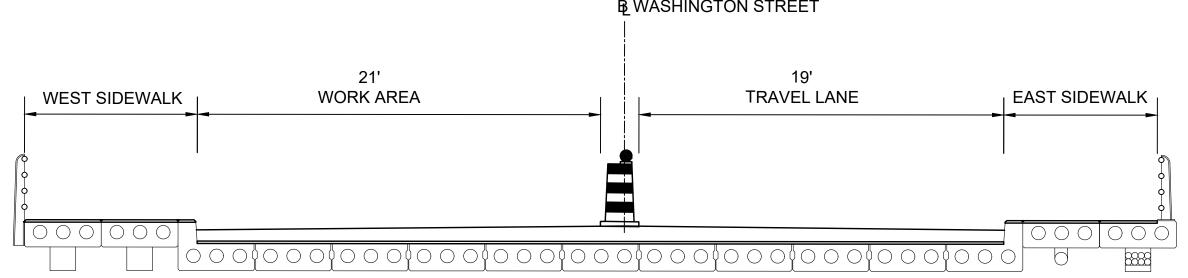
BRIDGE AND SIDEWALK RECONSTRUCTION AREA

DIRECTION OF TRAVEL

__ SIGN

REFLECTORIZED PLASTIC DRUM

P) POLICE DETAIL



PHASE 5 - CROSS SECTION NORTHBOUND APPROACH

SHEET 16 OF 17 SHEETS BRIDGE NO. N-25-017 (3JP)

2
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	NORWOOD			
HINGT	ON STREET OVER	HAW	ES BF	ROOK
STATE	FED. AID PROJ. NO.	SHEET	TOTAL	

NO. SHEETS 17 17 PROJECT FILE NO. T1304

TRAFFIC MANAGEMENT PLAN (6 OF 6)

NOTES:

(1.) MASSDOT STANDARD SIGN.

(2.) CONTRACTOR TO FURNISH SIGNS CONSISTENT WITH 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. SEE MANUAL FOR TEXT AND LEGEND DIMENSIONS.

					TRAFF	IC SIGN S	SUMMARY									
IDENTIFICATION	SIZE OF SIGN (INCHES)				SIZE OF SIGN (INCHES)			TEXT DIMENSIONS (INCHES)		NUMBER OF		COLOR			UNIT	AREA IN
NUMBER	WIDTH	HEIGHT	LEGEND	LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.	SIGNS , REQUIRED	BACK GROUND	LEGEND	BORDER	SUPPORTS REQUIRED	AREA (S.F.)	SQUARE FEET			
W13-1p	36	36	XX MPH	1		3	FLUOR. ORANGE	BLACK	BLACK	0 W/ W20-4	9.00	27.00				
W20-1	36	36	ROAD WORK AHEAD			3	FLUOR. ORANGE	BLACK	BLACK	3	9.00	27.00				
W20-4	36	36	ONE LANE ROAD AHEAD				3	FLUOR. ORANGE	BLACK	BLACK	3	9.00	27.00			
E5-2aSP	30	18	EXIT CLOSED				1	FLUOR. ORANGE	BLACK	BLACK	0 ON TYPE 3 BARRICADE	3.75	3.75			
MA-W20-7b	36	36	POLICE OFFICER AHEAD	MASSDO ⁻	T STANDAR	D SIGN	3	FLUOR. ORANGE	BLACK	BLACK	3	9.00	27.00			

GENERAL NOTES:

- 1. LANE CLOSURE FOR PHASE 4 AND 5 (MILLING AND PAVING BRIDGE WORK) SHALL ONLY BE IN EFFECT DURING NIGHT TIME BETWEEN X:XX PM TO X:XX AM.
- 2. ALL SIGNAGE IN CONFLICT WITH TEMPORARY TRAFFIC CONTROL (I.E. EXISTING HANDICAP PARKING SIGN) SHALL BE BAGGED DURING PERIODS WHERE WORK ZONE IS IN EFFECT.
- 3. THE CONTRACTOR SHALL CONTACT THE TOWN OF NORWOOD FOR COORIDNATION ON PARKING RESTRICTIONS AND ASSOCIATED SIGNAGE.
- 4. THE TOWN OF NORWOOD SHALL COORDINATE WITH THE "BROOKSIDE CAFE" OWNER ON TEMPORARY BLOCKING THE DRIVEWAY EXITING DURING PHASE 3 CONSTRUCTION PHASE.
- 5. THE TOWN OF NORWOOD SHALL COORDINATE WITH THE "DING DOCTOR OF GREATER BOSTON" FOR BLOCKING THE DRIVEWAY DURING THE PHASE 5 BRIDGE PAVING. THE BRIDGE WORK DURATION WILL BE ONLY ONE (1) NIGHT AND THE POLICE ON SITE SHALL GIVE ACCESS, IF FEASIBLE, ONLY TO THE "DING DOCTOR OF GREATER BOSTON" EMPLOYEES AS NEEDED.
- 6. ALL TEMPORARY TRAFFIC CONTROL WORK SHALL CONFORM WITH TO THE LAST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND THE MASSACHUSETTS AMENDMENTS TO THE MUTCD.
- 7. ALL SIGN LEGENDS, BORDERS, AND MOUNTING SHALL BE IN ACCORDANCE WITH THE M.U.T.C.D.
- 8. TEMPORARY CONSTRUCTION SIGNING AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF ANY WORK.
- 9. SIGNS AND SIGN SUPPORTS LOCATED ON OR NEAR THE TRAVELED WAY MUST PASS THE CRITERIA SET FORTH IN NCHRP REPORT 350, "RECOMMENDED PROCEDURES FOR THE SAFETY PERFORMANCE EVALUATION OF HIGHWAY FEATURES" AND/OR "MANUAL FOR ASSESSING SAFETY HARDWARE" (MASH).
- 10. DISTANCES ARE A GUIDE AND MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.
- 11. ALL SIGNS SHALL BE MOUNTED ON THEIR OWN STANDARD SIGN SUPPORTS.
- 12. ALL DRUMS AND/OR CONES SHALL BE SET @ 20' O.C. MAX. UNLESS OTHERWISE NOTED OR ADJUSTED BY THE ENGINEER.
- 13. THE FIRST TEN DRUMS OF ALL TAPERS SHALL BE MOUNTED WITH SEQUENTIAL FLASHING WARNING LIGHTS.
- 14. MINIMUM LANE WIDTH TO BE 11'. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF DRUMS OR MEDIAN BARRIER.
- 15. PAVEMENT MARKING BETWEEN THE TEMPORARY DOUBLE YELLOW LINE TAPERS SHALL BE ERADICATED.
- 16. PHASE 4 AND 5 SHALL INCLUDE TEMPORARY PARKING RESTRICTIONS STARTING AT NOON THE DAY OF PAVING AND ENDING NOON THE FOLLOWING DAY. THE RESTRICTIONS NOTICE SHALL NOTE THAT ANY VEHICLE PARKED DURING THIS TIME WILL BE TOWED.

				TILIOTTI	OI AOINO	MKR.		ONOOND					
MA-R2-10a	48	36	WORK ZONES SPEEDING FINES DOUBLED		1		3	FLUOR. ORANGE/ WHITE	BLACK	BLACK	3	12.00	36.00
MA-R2-10e	36	48	END ROAD WORK DOUBLE FINES END		¥		2	FLUOR. ORANGE/ WHITE	BLACK	BLACK	2	12.00	24.00
R3-2	24	24			2		2	WHITE	RED BLACK	BLACK	2	4.00	8.00
R4-7	24	30					2	WHITE	RED	RED	2	5.00	10.00
R7-1a	12	18	R ANY TIME				2	WHITE	RED	RED	2	1.50	3.00
R7-1aL	12	18	R ANY TIME				2	WHITE	RED	RED	2	1.50	3.00
R7-1aR	12	18	R ANY TIME				2	WHITE	RED	RED	2	1.50	3.00
R7-8L	12	18	RESERVED PARKING				1	WHITE	GREEN/ BLUE	GREEN	1	1.50	1.50
R7-8R	12	18	RESERVED PARKING				1	WHITE	GREEN/ BLUE	GREEN	0 W/ R7-1aL	1.50	1.50
R9-9	24	12	SIDEWALK CLOSED				2	WHITE	BLACK	BLACK	0 2 ON TYPE 3 BARRICADE	2.00	4.00
R9-11L	24	18	SIDEWALK CLOSED AHEAD CROSS HERE				1	WHITE	BLACK	BLACK	1	3.00	3.00
R9-11R	24	18	SIDEWALK CLOSED AHEAD CROSS HERE				1	WHITE	BLACK	BLACK	1	3.00	3.00
R9-10SP	24	18	SIDEWALK CLOSED USE OTHER SIDE				1	WHITE	BLACK	BLACK	1	3.00	3.00
W1-4L	36	36					3	FLUOR. ORANGE	BLACK	BLACK	3	9.00	27.00
W1-4R	36	36					2	FLUOR. ORANGE	BLACK	BLACK	2	9.00	18.00
W5-1	36	36	ROAD		*		3	FLUOR. ORANGE	BLACK	BLACK	3	9.00	27.00

TRAFFIC SIGN SUMMARY

ARROW

RTE. MKR.

NUMBER OF

SIGNS

REQUIRED

COLOR

LEGEND BORDER

BACK

GROUND

UNIT

AREA

(S.F.)

AREA IN

SQUARE

FEET

NUMBER OF

SUPPORTS

REQUIRED

TEXT DIMENSIONS (INCHES)

VERTICAL

SPACING

LETTER

HEIGHT

SIZE OF SIGN (INCHES)

HEIGHT

WIDTH

LEGEND

IDENTIFICATION

NUMBER