

ADAMS STREET (EAST) ROADWAY IMPROVEMENTS

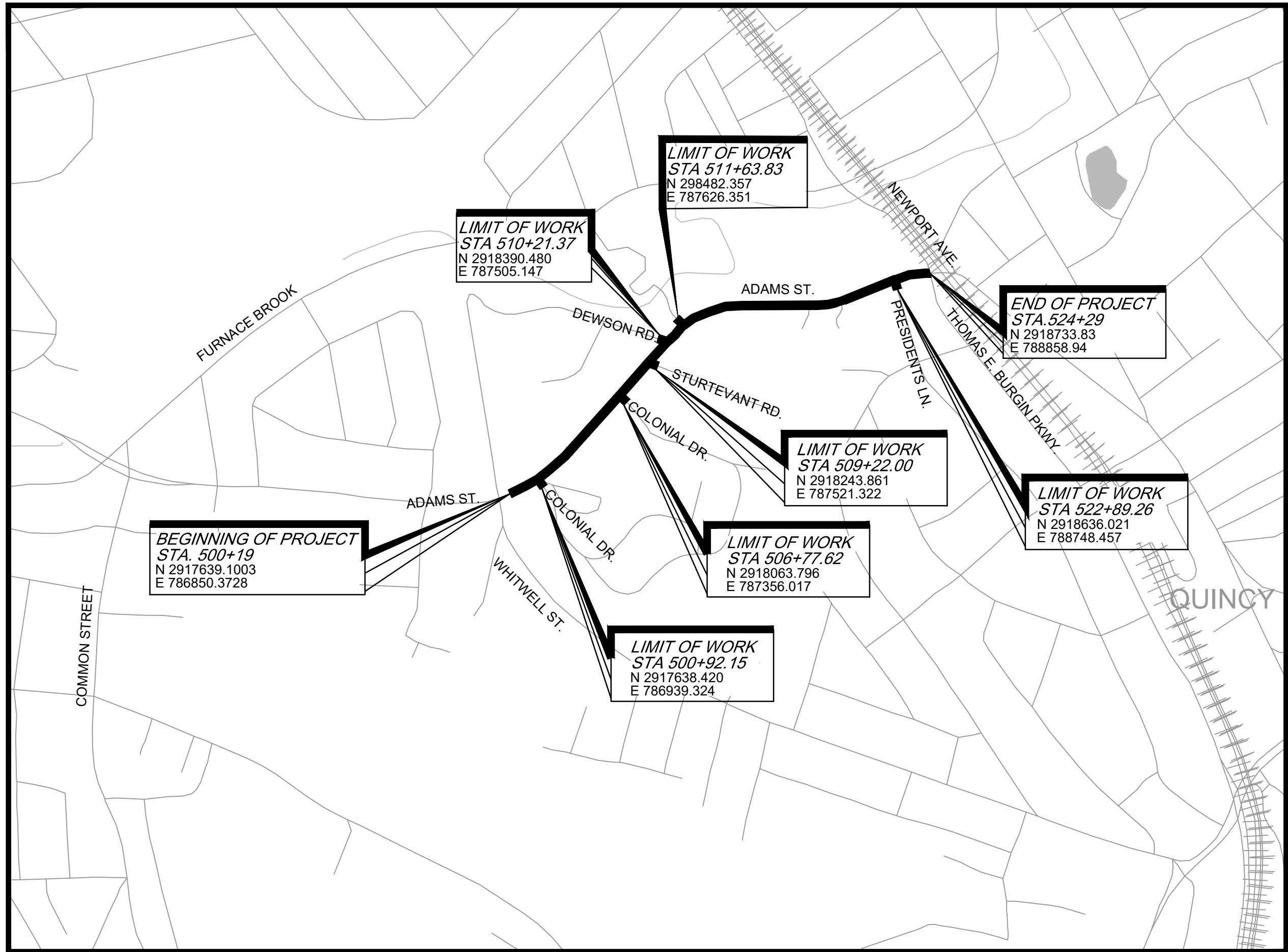
QUINCY, MASSACHUSETTS

ROADWAY RECONSTRUCTION, SIDEWALK RECONSTRUCTION, STREET LIGHTING

SEPTEMBER 6, 2024

SHEET INDEX

SHEET NO.	SHEET TITLE
GI-001	COVER SHEET
GI-002	GENERAL NOTES AND LEGEND
GI-003	KEY PLAN
GI-301	TYPICAL SECTIONS
CS-101 TO 103	CONSTRUCTION & MARKING PLANS
CT-601	TRAFFIC SIGN SUMMARY
CR-101 TO 103	CURB AND BASELINE TIE PLANS
CR-201 TO 203	ROADWAY PROFILES
CG-101 TO 103	GRADING PLANS
CU-101 TO 103	DRAINAGE AND UTILITY PLANS
CR-501 TO 505	CONSTRUCTION DETAILS
E-001	ELECTRICAL GENERAL NOTES & LEGEND
E-101 TO E-103	ELECTRICAL DEMOLITION PLANS
E-110 TO E-113	ELECTRICAL PLAN
E-501 TO E-503	ELECTRICAL DETAILS
TMP-101 TO 103	TRAFFIC MANAGEMENT DETAILS
TMP-201 TO 202	TRAFFIC MANAGEMENT PLANS



LOCATION MAP
SCALE: 1" = 500'

LENGTH OF PROJECT = 2410 FT

100% CONSTRUCTION PLANS

SEPTEMBER 6, 2024

PREPARED BY



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PREPARED FOR

CITY OF QUINCY
1305 HANCOCK STREET
QUINCY, MA 02169

PROJ. No.: 20190211.T40

DATE: SEPTEMBER 2024

GI-001

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LEGEND

Legend table with columns EXIST. and PROP. containing symbols for catch basins, manholes, hydrants, gates, fences, easements, boundaries, and various utility lines.

GENERAL SYMBOLS

General Symbols table listing symbols for catch basins, edges of roads, electric handholes, telephone manholes, water/sewer manholes, drainage manholes, gates, water gates, curb stops, hydrants, fire alarm boxes, parking meters, street light poles, utility poles, guy poles, drain pipes, sewer mains, electric ducts, gas mains, water mains, telephone ducts, mail boxes, highway guards, fences, easement lines, property lines, construction baselines, trees, compost filter tubes, wetlands, buffers, contours, boring locations, street lights, and handholes.

TRAFFIC SIGNAL & SIGN SYMBOLS

Traffic Signal & Sign Symbols table with columns EXIST. and PROP. showing symbols for signs and double signs.

ABBREVIATIONS

Abbreviations table with columns GENERAL and ALIGNMENT/GRADING, listing terms like ABANDON, ADJUST, APPROXIMATE, BITUMINOUS, BOTTOM OF SLOPE, CHAINLINK FENCE, CONCRETE, ELEVATION, EDGE OF PAVEMENT, EXISTING, FOUNDATION, GRANITE, HOT MIX ASPHALT, LOAM BORROW, LEFT, MAXIMUM, MINIMUM, NOT TO SCALE, PROFILE GRADE LINE, PROPOSED, PAVEMENT, REMOVE, REMODEL, RETAIN, RIGHT OF WAY, REMOVE AND DISCARD, REMOVE AND RESET, REMOVE AND STACK, RIGHT, STATION, TEMPORARY CONSTRUCTION EASEMENT, TEMPORARY, TOP OF SLOPE, TYPICAL, and various utility types like ASPHALT COATED CORRUGATED METAL PIPE, CORRUGATED ALUMINUM PIPE, CAST IRON PIPE, etc.

PROFILES

Profiles table with columns AD, K, ELEV, HSD, PVI, PVC, PVT, PVR, PVCC, SSD, VC, defining terms like ALGEBRAIC DIFFERENCE IN RATES OF GRADE, ELEVATION, HORIZONTAL SIGHT DISTANCE, RATE OF VERTICAL CURVATURE, POINT OF VERTICAL INTERSECTION, POINT OF VERTICAL CURVE, POINT OF VERTICAL TANGENT, POINT OF VERTICAL REVERSE CURVE, POINT OF VERTICAL COMPOUND CURVE, STOPPING SIGHT DISTANCE, and VERTICAL CURVE.

PAVEMENT MARKING SYMBOLS

Pavement Marking Symbols table with columns EXIST. and PROP. showing symbols for STOP LINE, CROSSWALK, SOLID WHITE LINE, SOLID YELLOW LINE, DOTTED WHITE LINE, DOTTED WHITE LINE EXTENSION, and DOUBLE YELLOW LINE.

NOTES:

GENERAL
1. INFORMATION REGARDING THE LOCATION OF EXISTING UTILITIES HAS BEEN BASED UPON AVAILABLE INFORMATION AND MAY BE INCOMPLETE. WHERE SHOWN SHOULD BE CONSIDERED APPROXIMATE. NO GUARANTEE TO THE ACCURACY OF THE EXISTING UTILITIES FACILITIES SHOWN IN THIS PROJECT IS EXPRESSED OR IMPLIED UNLESS OTHERWISE NOTED. CONTRACTOR SHALL CONTACT "MASS DIG-SAFE" 1-888-384-7233. CONTRACTOR SHALL MAINTAIN MARKINGS WHERE NEEDED DURING PROJECT. ALL UTILITY LOCATIONS THAT DO NOT MATCH THE VERTICAL OR HORIZONTAL CONTROL SHOWN ON THE PLANS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION. THE CONTRACTOR SHALL VERIFY LOCATIONS OF UTILITIES AND SERVICE LATERALS PRIOR TO CONSTRUCTION. ANY CONFLICTS WITH LOCATIONS OF LIGHT POLES, TREES, ETC. SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY LOCAL AND STATE APPROVALS AND PERMITS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CONFORM TO ALL REQUIREMENTS OF THE LOCAL AND STATE AGENCIES. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND FEES REQUIRED FOR THIS WORK.
3. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES AND STRUCTURES. THOSE OF WHICH HAVE BEEN DAMAGED SHALL BE PROMPTLY REPAIRED TO EXISTING OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
4. THE ROADWAY IS TO BE GRADED SMOOTHLY AND EVENLY IN ACCORDANCE WITH THE GRADING AND TIE PLANS, PROFILE, AND CROSS SECTIONS. THE CONTRACTOR IS RESPONSIBLE FOR INSURING A POSITIVE DRAINAGE FLOW TO ALL CATCH BASINS WITHOUT CREATING ANY FLAT SPOTS THAT WILL RESULT IN STANDING WATER.
5. THE CONTRACTOR SHALL COORDINATE WITH THE CITY ON ANY PRIVATE PROPERTY ITEMS THAT CONFLICT WITH CONSTRUCTION ACTIVITIES AND APPEAR TO BE LOCATED WITHIN CITY LAYOUT. PRIVATE PROPERTY ITEMS SHALL BE ASSUMED TO BE PROTECTED UNLESS OTHERWISE SPECIFIED IN THIS PLAN OR DIRECTED BY THE CITY.
6. ANY PUBLIC OR PRIVATE PROPERTY DISTURBED AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE RESTORED AS QUICKLY AS POSSIBLE AND TO THE SATISFACTION OF THE ENGINEER.
7. RIM OR FRAME ELEVATIONS OF ALL UTILITY STRUCTURES SHALL BE ADJUSTED TO MEET FINISHED PAVED SURFACES. UNLESS NOTED OTHERWISE, PRIVATE UTILITIES WHO ARE RESPONSIBLE FOR ADJUSTING THEIR OWN STRUCTURES SHALL BE NOTIFIED AT LEAST 2 WEEKS IN ADVANCE BY THE CONTRACTOR.
8. STAGING AREAS AND MATERIAL STOCK PILES SHALL BE LIMITED WITHIN THE SITE AND LOCATED SO AS NOT TO INTERFERE WITH PEDESTRIAN OR VEHICULAR TRAFFIC UNLESS APPROVED OTHERWISE BY THE CITY. THE CONTRACTOR SHALL PROVIDE SAFETY DEVICES (IF ORDERED BY THE ENGINEER) TO PROTECT STOCK PILES/WORK STAGING AREAS. IF THIS WORK IS SO ORDERED THERE WILL BE NO ADDITIONAL COMPENSATION MADE TO THE CONTRACTOR.
9. ACCESS TO PRIVATE PROPERTIES MUST BE MAINTAINED AT ALL TIMES. FOR SECURITY REASONS ALL PRIVATELY OWNED FENCING THAT IS TO BE REMOVED SHALL BE REPLACED WITHIN 72 HOURS OF REMOVAL.
10. INSTALL SEDIMENTATION AND EROSION CONTROL MEASURES PRIOR TO START OF CONSTRUCTION. EXISTING AND PROPOSED CATCH BASINS DOWNGRADE OF ALL WORK AREAS SHALL BE SURROUNDED BY EROSION CONTROL MEASURES DURING CONSTRUCTION.
11. SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SHOWN ON THE DRAWINGS TO SCALE OR TO THEIR ACTUAL DIMENSION OR LOCATION. COORDINATE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
12. DO NOT RELY SOLELY ON ELECTRONIC VERSIONS OF DRAWINGS, SPECIFICATIONS, AND DATA FILES THAT ARE PROVIDED BY THE ENGINEER. FIELD VERIFY LOCATION OF PROJECT FEATURES.
13. CONTRACTOR TO PERFORM NECESSARY CONSTRUCTION NOTIFICATIONS, APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK AS REQUIRED BY THE CONTRACT DOCUMENTS.
14. LOCATION AND INVERTS OF EXISTING UTILITIES SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO CONSTRUCTION. ALL FIELD CHANGES MUST BE APPROVED BY THE ENGINEER.
15. FUSS & O'NEILL MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA. FUSS & O'NEILL FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. FUSS & O'NEILL HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. BEFORE CONSTRUCTION, THE CONTRACTOR SHALL CALL DIG-SAFE SYSTEMS FOR CLEARANCE.
16. CONTRACTOR MUST PROVIDE A WORK SCHEDULE, CONSTRUCTION FENCE LOCATIONS AND PEDESTRIAN ACCESS/EGRESS PLANS FOR APPROVAL BY THE CITY OF QUINCY PRIOR TO THE START OF CONSTRUCTION.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR SURFACE RESTORATION OUTSIDE LIMIT OF THE PROJECT DUE TO DAMAGE RESULTING FROM ACCESS TO THE SITE AND OTHER SITE ACTIVITIES.
18. WORK IS RESTRICTED TO THE HOURS OF 7 A.M. TO 7 P.M. ON MONDAY THROUGH FRIDAY.
19. JOINTS BETWEEN NEW ASPHALT CONCRETE ROADWAY PAVEMENT AND SAWCUT EXISTING PAVEMENT SHALL BE SEALED WITH BITUMEN AND BACKSANDDED.
MAP REFERENCE
1) HORIZONTAL COORDINATES REFER TO NAD83 AND ELEVATIONS REFER TO NAVD88.
2) PIPE SIZES AND MATERIALS SHOWN HEREON HAVE BEEN SHOWN PER VISUAL OBSERVATION IN ADDITION TO INFORMATION SHOWN ON RECORD PLANS. HAZARDOUS MATERIALS INCLUDING ASBESTOS MAY BE PRESENT, AND IT IS NOT THE INTENT OF THIS SURVEY TO IDENTIFY THOSE MATERIALS WHICH MAY REQUIRE SPECIAL HANDLING OR ABATEMENT PROCEDURES.
3) EXISTING CONDITIONS DEPICTED ON THIS PLAN ARE BASED ON RIGHT OF WAY, TOPOGRAPHIC AND UTILITY SURVEY PLANS PREPARED BY DAWOOD ENGINEERING, INC. OF 325 WOOD ROAD, SUITE 109, BRAINTREE, MA 02194. ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM OF 1985 (NAVD88).

UTILITIES

1. TERMINATE EXISTING UTILITIES IN CONFORMANCE WITH LOCAL, STATE AND INDIVIDUAL UTILITY COMPANY STANDARD SPECIFICATIONS AND DETAILS. COORDINATE UTILITY SERVICE DISCONNECTS WITH UTILITY REPRESENTATIVES.
2. THE TYPE, SIZE AND LOCATION OF DEPICTED UNDERGROUND UTILITIES ARE APPROXIMATE REPRESENTATIONS OF INFORMATION OBTAINED FROM FIELD LOCATIONS OF VISIBLE FEATURES, EXISTING MAPS AND PLANS OF RECORD, UTILITY MAPPING, AND OTHER SOURCES OF INFORMATION OBTAINED BY THE ENGINEER. ASSUME NO GUARANTEE AS TO THE COMPLETENESS, SERVICEABILITY, EXISTENCE OR ACCURACY OF UNDERGROUND FACILITIES. FIELD VERIFY THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES.
3. PAY ALL FEES AND COSTS ASSOCIATED WITH UTILITY MODIFICATIONS AND CONNECTIONS, REGARDLESS OF THE ENTITY THAT PERFORMS THE WORK.
4. COORDINATE THE WORK AND WORK SCHEDULE WITH UTILITY COMPANIES. PROVIDE ADEQUATE NOTICE TO UTILITIES TO PREVENT DELAYS IN CONSTRUCTION.
5. INSTALL PROPOSED UTILITY SERVICES ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY THE AUTHORITY HAVING JURISDICTION (WATER, SEWER, GAS, TELEPHONE, ELECTRIC, FIRE ALARM, ETC.), AND LOCATIONS WITH THE CITY OF QUINCY.
6. NOTIFY ABUTTING PROPERTY OWNERS AND UMSS 24 HOURS PRIOR TO DISRUPTION OF UTILITY SERVICE.

EARTHWORK

1. CALL DIG-SAFE 811 OR 1-888-DIG-SAFE A MINIMUM OF 7 DAYS PRIOR TO CONSTRUCTION.
2. STOP WORK IN THE VICINITY OF SUSPECTED CONTAMINATED SOIL, GROUNDWATER OR OTHER MEDIA. IMMEDIATELY NOTIFY THE OWNER SO THAT APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN. RESUME WORK IN THE IMMEDIATE VICINITY ONLY UPON DIRECTION BY THE OWNER.
3. CONTRACTOR SHALL PROTECT ALL SLOPES, VEGETATION, PAVING, WALKS, AND IMPROVEMENTS OUTSIDE THE AREAS TO BE AFFECTED BY THE CONSTRUCTION OF THIS PROJECT.
4. REFER TO EROSION AND SEDIMENTATION CONTROL DETAILS FOR EROSION AND SEDIMENTATION CONTROL NOTES.
5. CATCH BASINS WITHIN THE WORK AREA OR DOWN STREAM OF DRAINAGE FLOW SHALL BE PROTECTED WITH CATCH BASIN SILT SACKS.
6. WATER AND CALCIUM CHLORIDE MUST BE AVAILABLE AT ALL TIMES FOR DUST CONTROL.

DEMOLITION

1. THE CONSTRUCTION PLAN IS PROVIDED FOR INFORMATION ONLY AND MAY NOT INDICATE ALL ITEMS REQUIRED TO BE DEMOLISHED. PERFORM A PRE-BID SITE INSPECTION. COORDINATE DEMOLITION OF UNIDENTIFIED UTILITIES OR STRUCTURES WITH OWNER. DEMOLISH STRUCTURES, SITE IMPROVEMENTS, UTILITIES, ETC. AS REQUIRED TO CONSTRUCT PROPOSED FACILITY AND UTILITY SERVICES.
2. TREES, BRUSH AND STUMPS REMOVED BY CLEARING & GRUBBING OPERATIONS SHALL BE TRANSPORTED OFF THE PROJECT SITE TO AN APPROVED DISPOSAL LOCATION.
3. CONTRACTOR SHALL NOTIFY ENGINEER AND THE CITY OF QUINCY OF ANY EXISTING UNDERGROUND UTILITY CONFLICTS WITH INFORMATION SHOWN ON EXISTING CONDITIONS PLAN.

WORK RESTRICTIONS

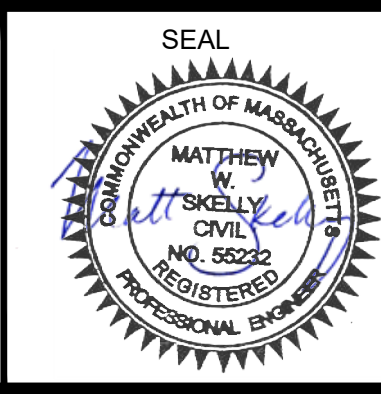
1. CONTRACTOR SHALL NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, FIRE HYDRANTS, AND UTILITIES WITHOUT APPROPRIATE PERMITS.

CONSTRUCTION

1. RIGHT OF WAY SHOWN IS APPROXIMATE AND SHALL BE CONFIRMED BY SURVEYOR PRIOR TO CONSTRUCTION.
2. LOAM & SEED TO BE PLACED ALONG BACK OF PROPOSED CONC. SIDEWALK AS NEEDED FOR RESTORATION FROM CONSTRUCTION.
3. ALL STANDARD P-SIGN POSTS SHALL BE FACTORY COATED GLOSS BLACK
4. ALL EXISTING SIGNS TO REMAIN UNLESS OTHERWISE NOTED ON PLANS
5. ALL PAVEMENT MARKING LINES ARE TO BE REFLECTORIZED EPOXY PAINT.
6. BACK OF SIDEWALK TO BE MAINTAINED IN ALL AREAS AND ALL EXISTING FEATURES OUTSIDE OF THE EXISTING SIDEWALK LIMIT, INCLUDING PRIVATE PROPERTY, TO BE PROTECTED UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE CITY.
7. IN PAVEMENT AREAS OUTSIDE THE PAVEMENT RECONSTRUCTION, EXISTING PAVEMENT MARKINGS ARE TO BE REMOVED IN AREAS WHERE NEW PAVEMENT MARKINGS ARE PROPOSED.
8. ALL R7 SERIES SIGNS (NO PARKING) SHALL BE INSTALLED AT 45 DEGREE ANGLE
9. RELATIVE TO THE ROADWAY. REFER TO THE SIGN SYMBOLS PLACED ON PLANS

Table with columns No., DATE, DESCRIPTION, DESIGNER, REVIEWER.

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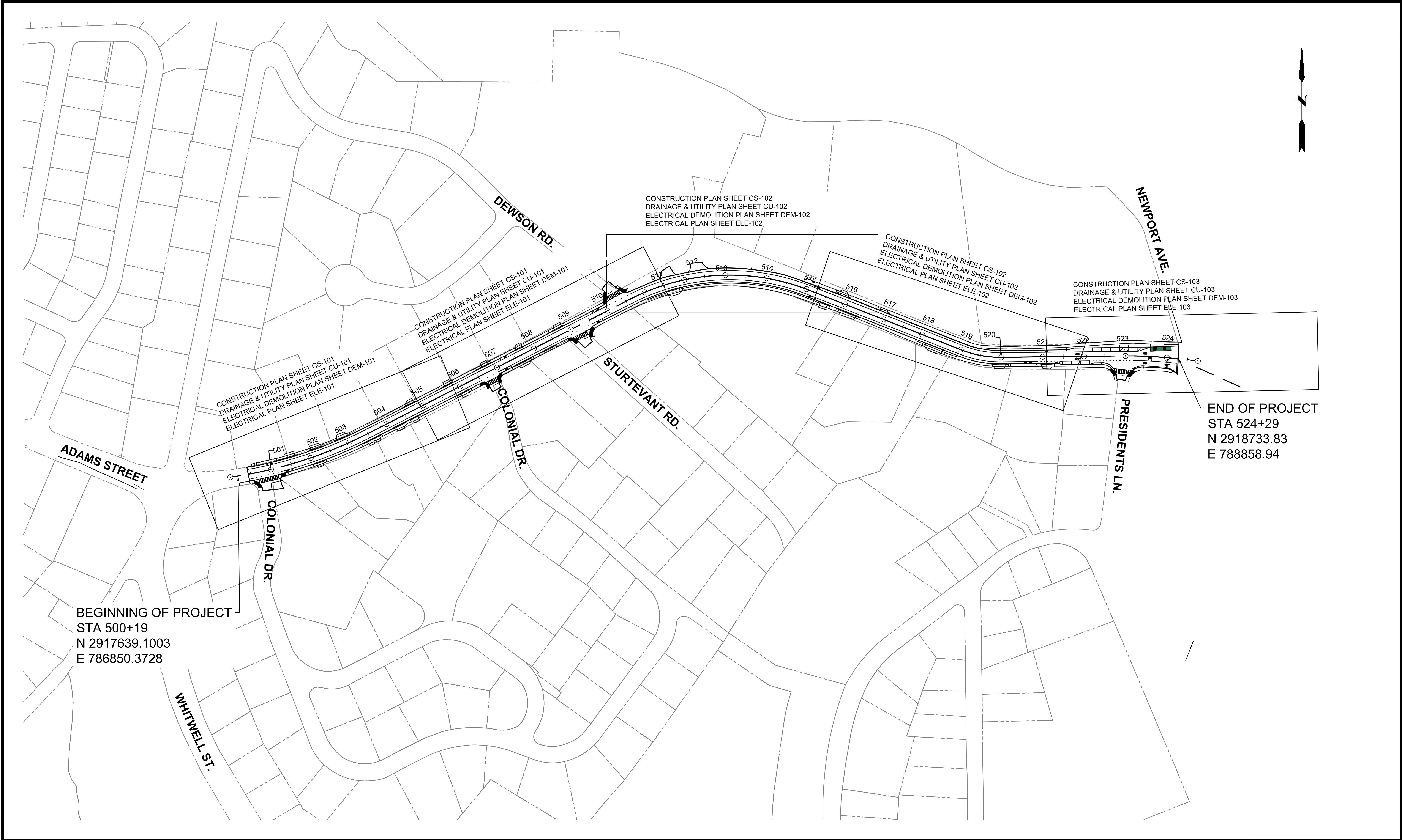
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CITY OF QUINCY
GENERAL NOTES AND LEGEND
ADAMS STREET EAST
QUINCY MASSACHUSETTS

PROJ. No.: 20190211.T40
DATE: SEPTEMBER 2024
GI-002

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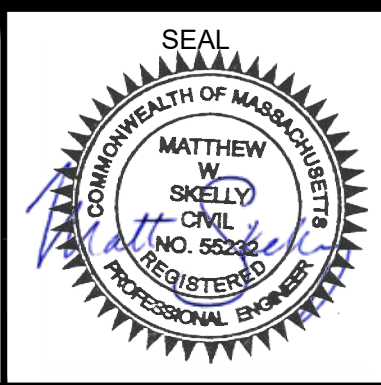


BEGINNING OF PROJECT
 STA 500+19
 N 2917639.1003
 E 786850.3728

END OF PROJECT
 STA 524+29
 N 2918733.83
 E 788858.94

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CITY OF QUINCY
 KEY PLAN
 ADAMS STREET EAST
 QUINCY MASSACHUSETTS

PROJ. No.: 20190211.T40
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GI-003

PAVEMENT NOTES

PROPOSED FULL DEPTH RECONSTRUCTION

SURFACE: 2" BITUMINOUS FINISH COURSE
INTERMEDIATE: 4" BITUMINOUS BASE COURSE - OVER
SUBBASE: 12" GRAVEL BORROW, TYPE "b"
 GRADE AND PREPARE THE SUBGRADE PRIOR TO PLACING THE GRAVEL BORROW

PROPOSED HOT MIX ASPHALT DRIVEWAY

SURFACE: 2" BITUMINOUS FINISH COURSE - DRIVEWAYS - OVER
 4" BITUMINOUS BASE COURSE

PROPOSED CEMENT CONCRETE WALK

SURFACE: 4" CEMENT CONCRETE (6" AT DRIVEWAYS)
 AIR ENTRAINED 4000psi, 3/4", 610
FOUNDATION: 8" GRAVEL BORROW, TYPE "b".

PROPOSED CEMENT CONCRETE PEDESTRIAN CURB RAMP (PCR)

SURFACE: 4" CEMENT CONCRETE (6" AT DRIVEWAYS)
 AIR ENTRAINED 4000psi, 3/4", 610
FOUNDATION: 8" GRAVEL BORROW, TYPE "b".

PROPOSED CEMENT CONCRETE DRIVEWAY & SIDEWALK THROUGH DRIVEWAY

SURFACE: 6" CEMENT CONCRETE
 AIR ENTRAINED 4000psi, 3/4", 610
WIRE MESH: PLACE 6" X 6" #10/10 WELDED WIRE MESH AT MIDPT. OF CONC. THICKNESS
FOUNDATION: 8" GRAVEL BORROW, TYPE "b".

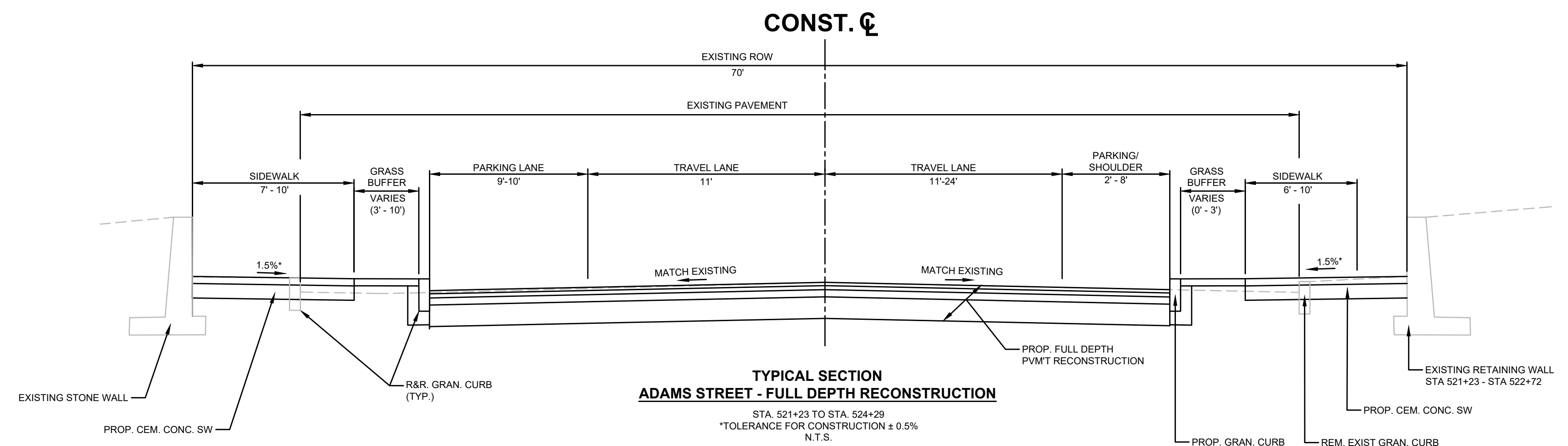
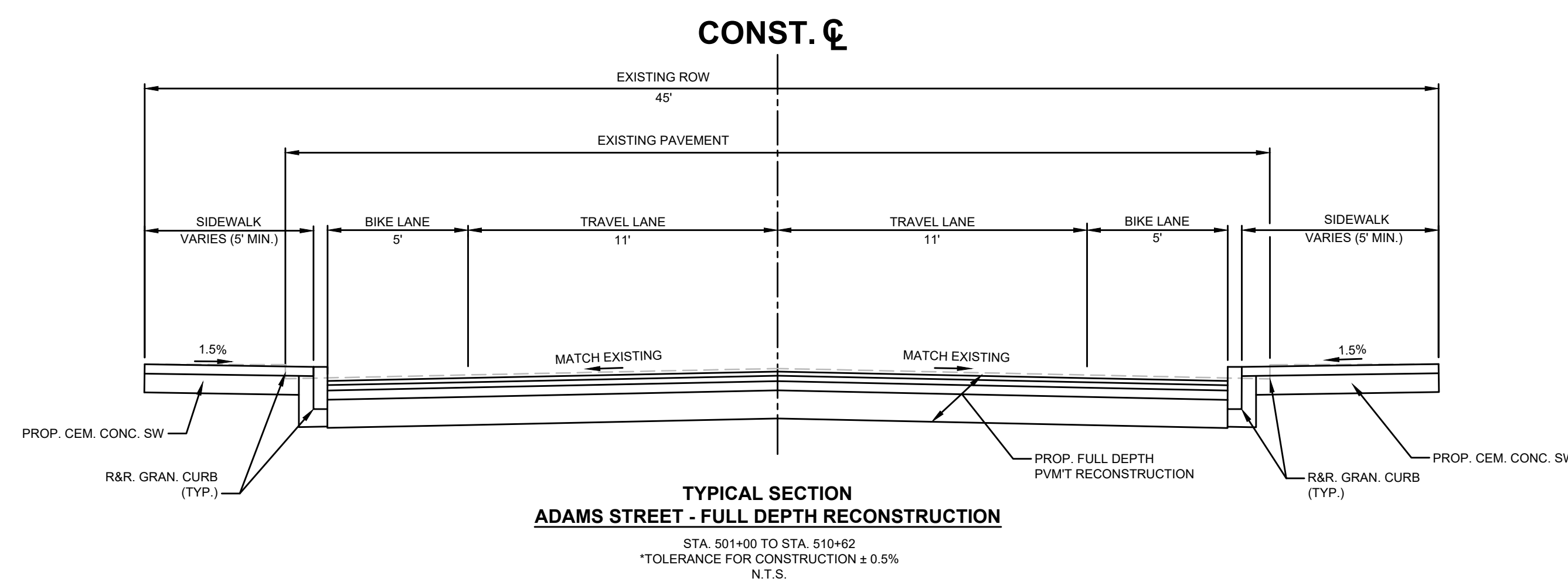
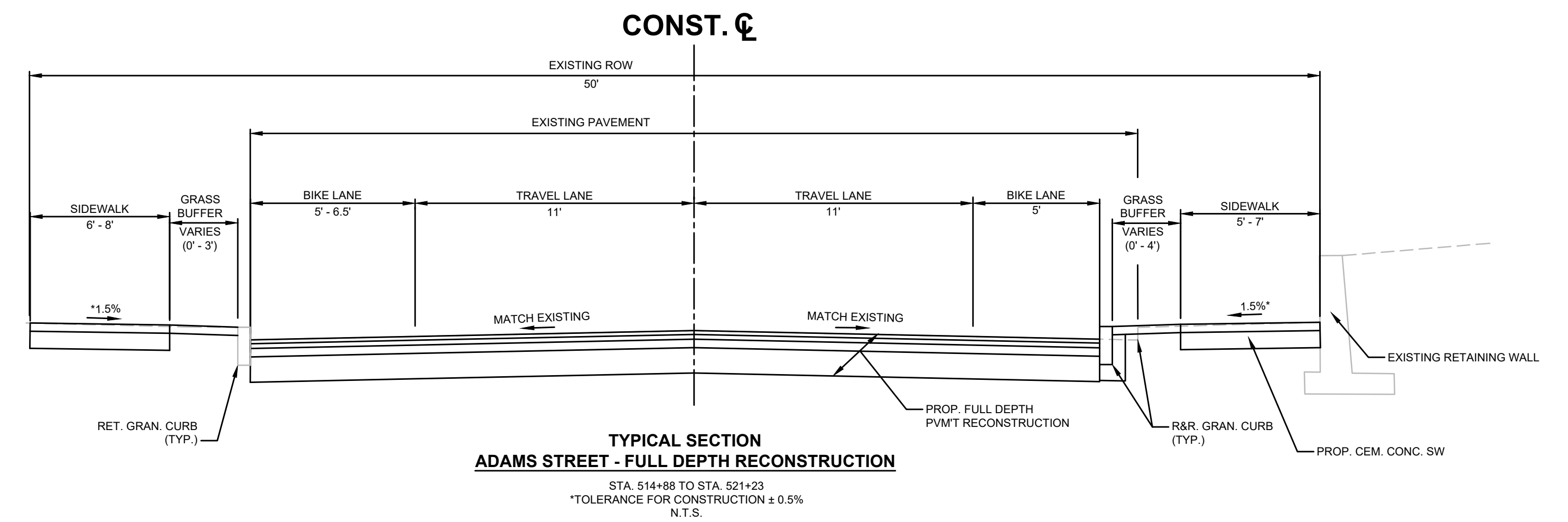
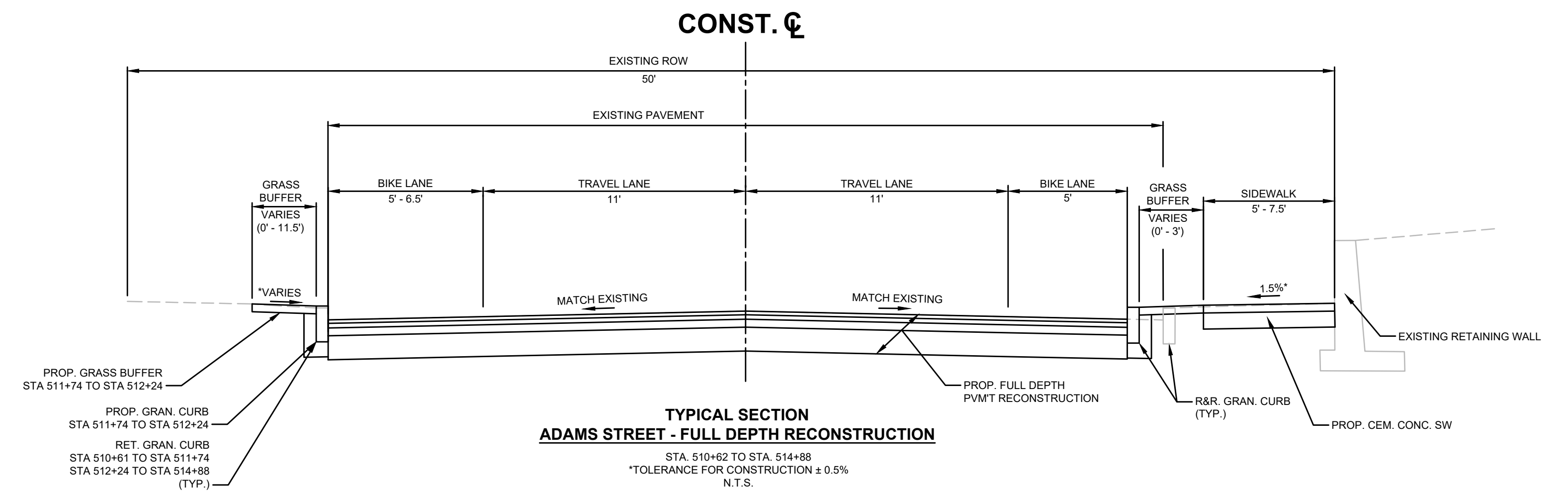
ALL HOT MIX ASPHALT PAVEMENT SHALL BE IN ACCORDANCE WITH SECTION 450 HOT MIX ASPHALT PAVEMENT AND SECTION M3 ASPHALTIC MATERIALS.

HMA FOR PATCHING SHALL BE USED FOR ALL PERMANENT, PARTIAL AND FULL DEPTH PAVEMENT PER SECTION 450. THIS INCLUDES ALL PERMANENT TRENCH REPAIR FOR DRAINAGE WORK.

HMA FOR DRIVEWAYS SHALL BE PAID FOR UNDER ITEM 420.31 AND 460.221

TEMPORARY ASPHALT PATCHING SHALL BE USED FOR ALL TEMPORARY CONSTRUCTION, TAPER RAMPS, CURB CUT RAMPS, TEMPORARY TRENCH REPAIR, ETC.

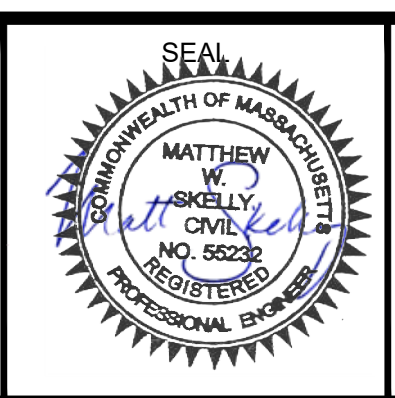
ASPHALT EMULSION FOR TACK COAT AND HMA JOINT ADHESIVE SHALL BE USED PER SECTION 450.



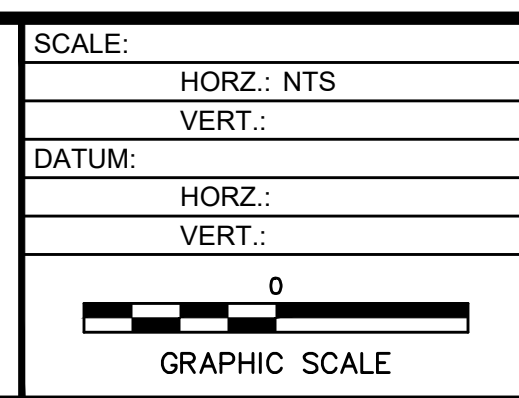
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CITY OF QUINCY
 TYPICAL SECTIONS
 ADAMS STREET EAST
 QUINCY MASSACHUSETTS

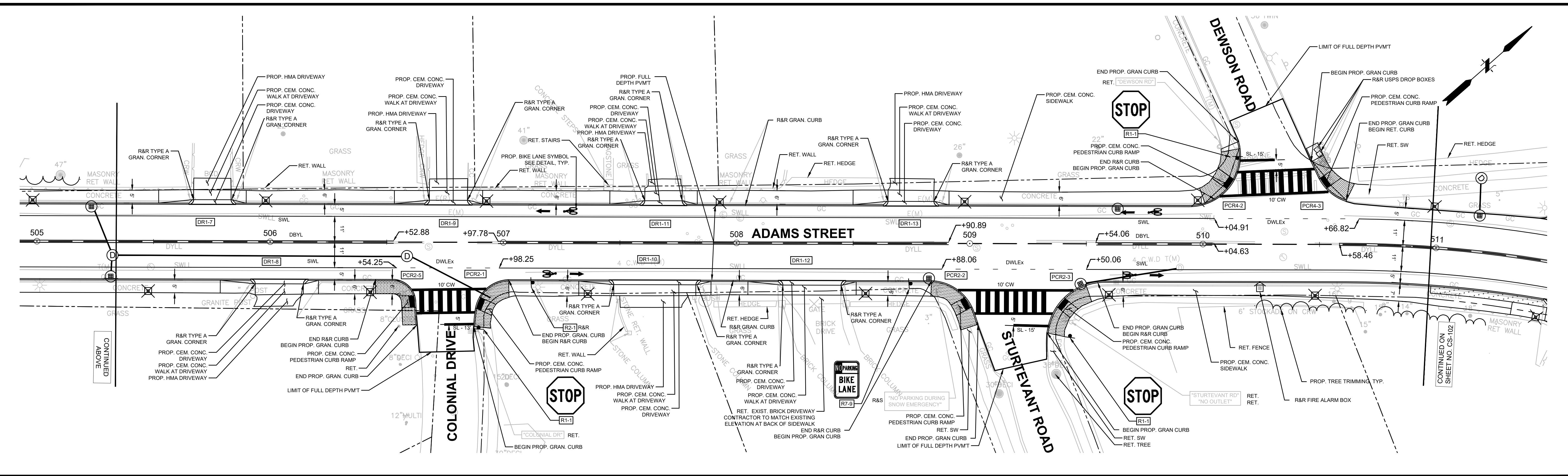
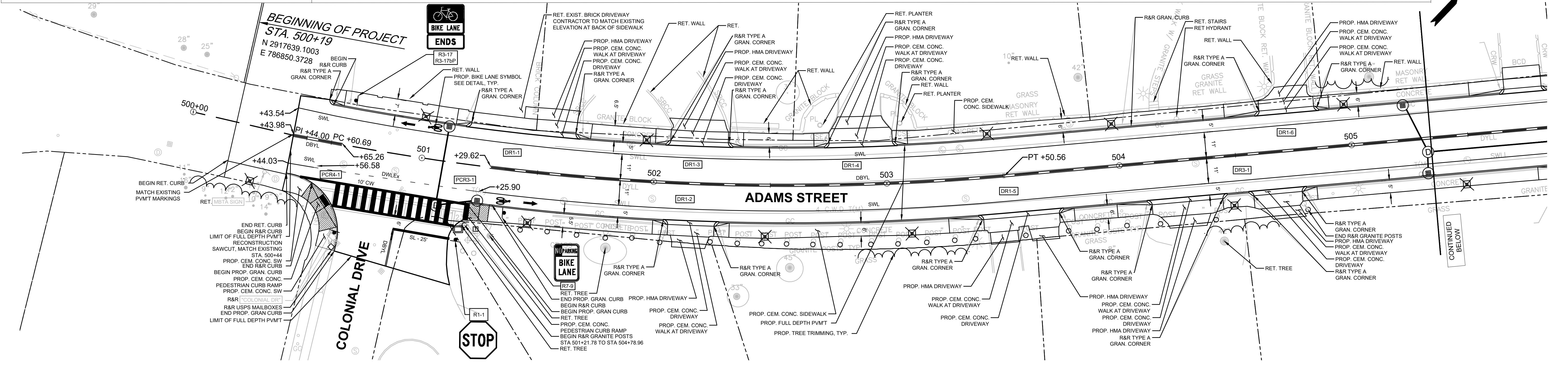
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GI-301

MARKING LEGEND

SL	PROPOSED SIGN
CW	PROPOSED 12" WHITE STOP LINE
SWL	PROPOSED 24" WHITE CROSS WALK
DBYL	PROPOSED 4" SOLID WHITE LINE
DWLEX	PROPOSED 4" DOUBLE YELLOW LINE
WGL	PROPOSED 4" DOTTED WHITE LINE EXTENSION (2' MARK - 6' SKIP)
	WHITE GORE LINE - 12" SOLID WHITE LINE (8' O.C.) @ 45 DEGREES

NOTE:

- RIGHT OF WAY SHOWN IS APPROXIMATE AND SHALL BE CONFIRMED BY SURVEYOR PRIOR TO CONSTRUCTION.
- LOAM & SEED (L&S) TO BE PLACED ALONG BACK OF PROPOSED CONC. SIDEWALK AS NEEDED FOR RESTORATION FROM CONSTRUCTION.
- ALL STANDARD P-5 SIGN POSTS SHALL BE FACTORY COATED GLOSS BLACK.
- ALL EXISTING SIGNS TO REMAIN UNLESS OTHERWISE NOTED ON PLANS.
- PEDESTRIAN CURB RAMPS SHALL NOT EXCEED 7.5%.
- BACK OF SIDEWALK TO BE MAINTAINED IN ALL AREAS AND ALL EXISTING FEATURES OUTSIDE OF THE EXISTING SIDEWALK LIMIT, INCLUDING PRIVATE PROPERTY, TO BE PROTECTED UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE CITY.
- IN PAVEMENT AREAS OUTSIDE THE PAVEMENT RECONSTRUCTION, EXISTING PAVEMENT MARKINGS ARE TO BE REMOVED IN AREAS WHERE NEW PAVEMENT MARKINGS ARE PROPOSED.
- ALL PAVEMENT MARKING LINES ARE TO BE REFLECTORIZED EPOXY PAINT.
- ALL R7 SERIES SIGNS (NO PARKING) SHALL BE INSTALLED AT 45 DEGREE ANGLE RELATIVE TO THE ROADWAY. REFER TO THE SIGN SYMBOLS PLACED ON PLANS.
- GRANITE CURB AND GRANITE CURB CORNERS ARE TO BE REMOVED AND RESET UNLESS OTHERWISE MENTIONED ON PLAN SET.
- SEE SIGN SUMMARY ON SHEET 9 FOR SIGN DETAILS.
- REMOVE AND RESET GRANITE POSTS FROM STA 501+21.78 TO STA 504+78.96



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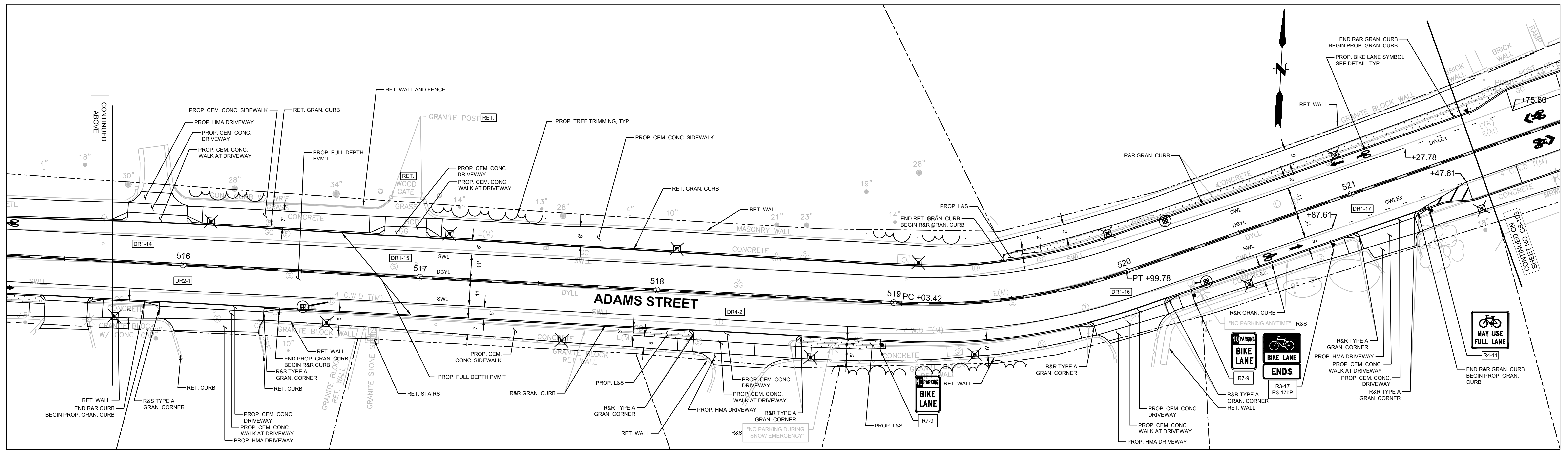
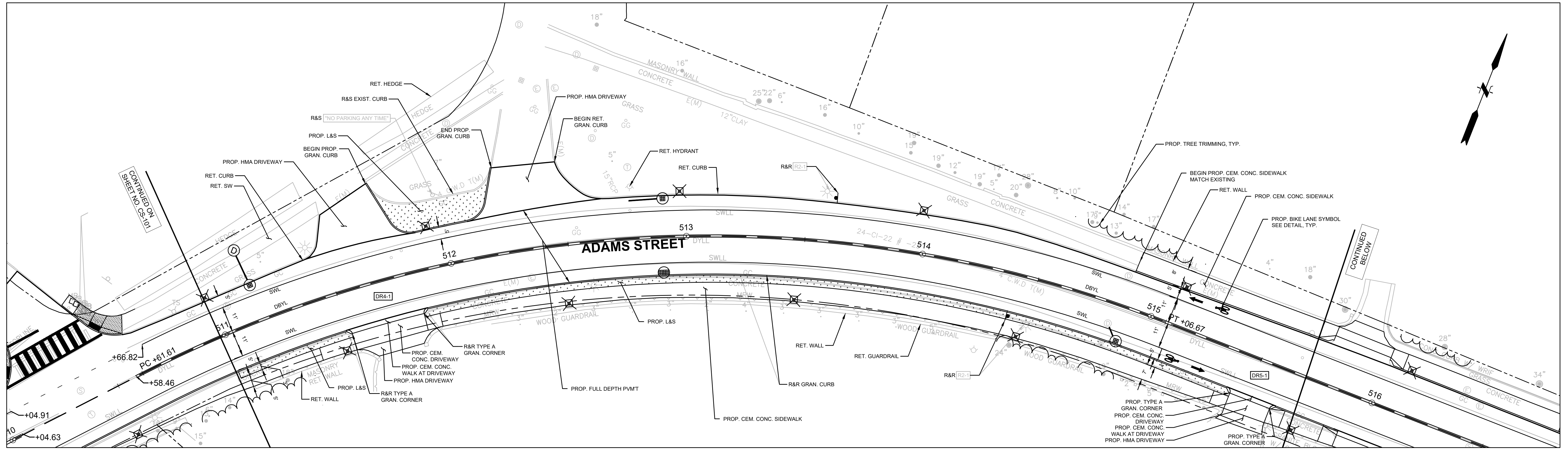


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CITY OF QUINCY
 CONSTRUCTION & MARKING PLAN
 ADAMS STREET EAST
 QUINCY MASSACHUSETTS

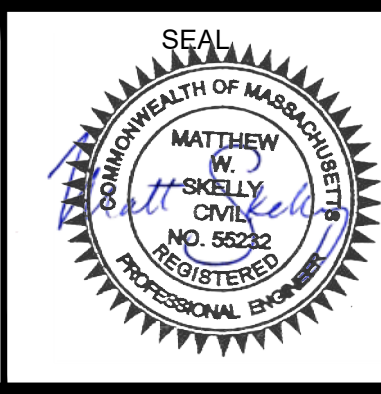
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SEAL



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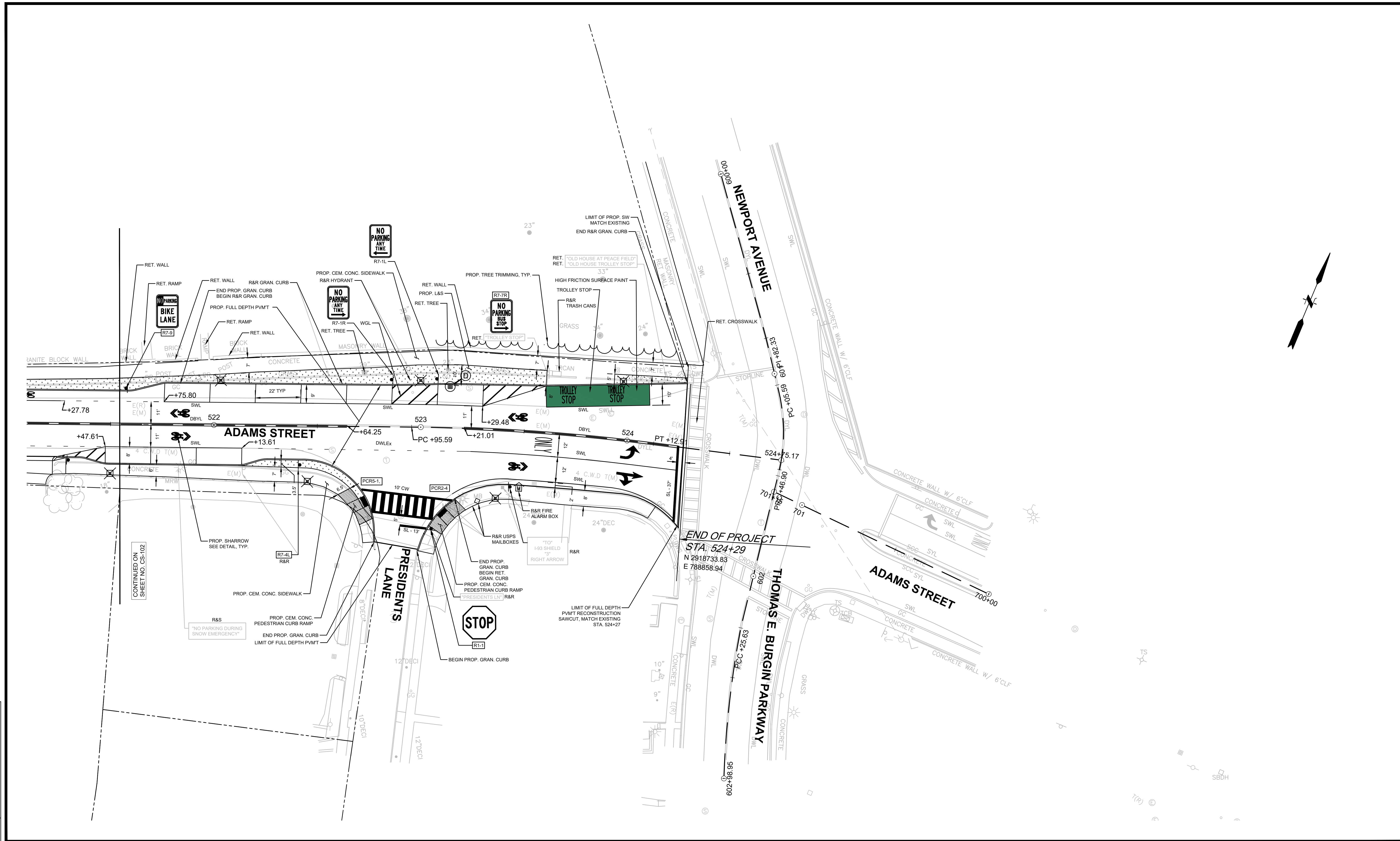
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 DATUM:
 HORZ.: NAD83
 VERT.: NAVD88
 GRAPHIC SCALE

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CITY OF QUINCY
 CONSTRUCTION & MARKING PLAN
 ADAMS STREET EAST
 QUINCY MASSACHUSETTS

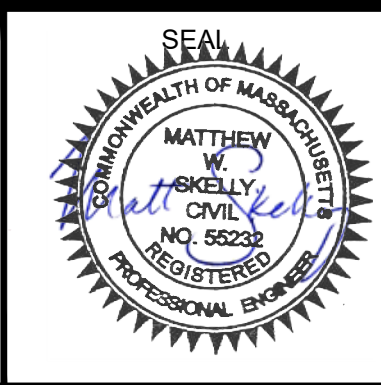
PROJ. No.: 20190211.T40
 DATE: SEPTEMBER 2024
CS-102

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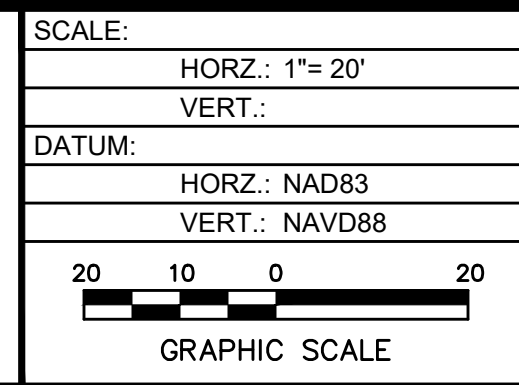


No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL



END OF PROJECT
 STA. 524+29
 N 2918733.83
 E 788858.94



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CITY OF QUINCY
 CONSTRUCTION & MARKING PLAN
 ADAMS STREET EAST
 QUINCY MASSACHUSETTS

PROJ. No.: 20190211.T40
 DATE: SEPTEMBER 2024
CS-103

NOTES:
 HIGH INTENSITY ENCAPSULATED LENS REFLECTIVE SHEETING SHALL BE USED FOR ALL SIGNS. THE 2009 "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", THE 1990 MDPW "STANDARD DRAWINGS FOR SIGNS AND SUPPORTS", AND ALL ADMENDMENTS WILL GOVERN.

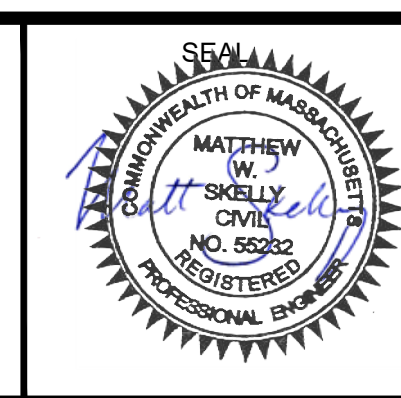
ALL P5 SIGN POSTS SHALL BE FACTORY COATED GLOSS BLACK
 (PBS) = PAINTED BOTH SIDES

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (in)			NUMBER OF SIGNS REQUIRED	COLOR			POST SIZE AND NUMBER REQUIRED	SIGN FACE AREA (S.F.)	TOTAL AREA (S.F.)
	WIDTH (IN)	HEIGHT (IN)		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND	BORDER			
R1-1	30	30		SEE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (INCLUDING LATEST REVISION)			5	RED	WHITE	WHITE	P-5 5 REQ'D	6.25	31.25
R3-17	30	24					2	WHITE	BLACK	BLACK	P-5 2 REQ'D	5.00	10.00
R3-17bP	30	12					2	WHITE	BLACK	BLACK	MOUNTED WITH R3-17	2.50	5.00
R4-11	30	30					1	WHITE	BLACK	BLACK	P-5 1 REQ'D	6.25	6.25
R7-1L	12	18					1	WHITE	RED	RED	P-5 1 REQ'D	1.50	1.50
R7-1R	12	18					1	WHITE	RED	RED	P-5 1 REQ'D	1.50	1.50
R7-7R	12	18					1	WHITE	RED	RED	MOUNTED ON EXISTING POLE	1.50	1.50
R7-9	12	18					5	WHITE	RED	RED	P-5 5 REQ'D	1.50	7.50

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 LAYER STATE:

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL



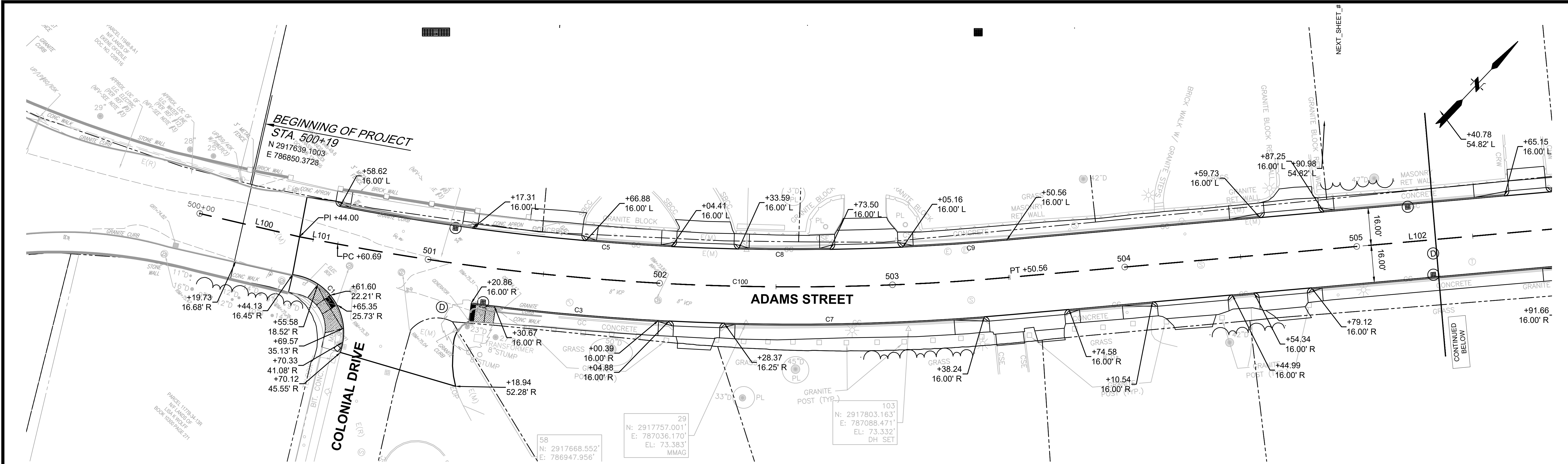
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DATUM:	HORZ.:
	VERT.:
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CITY OF QUINCY
 TRAFFIC SIGN SUMMARY
 ADAMS STREET EAST
 QUINCY MASSACHUSETTS

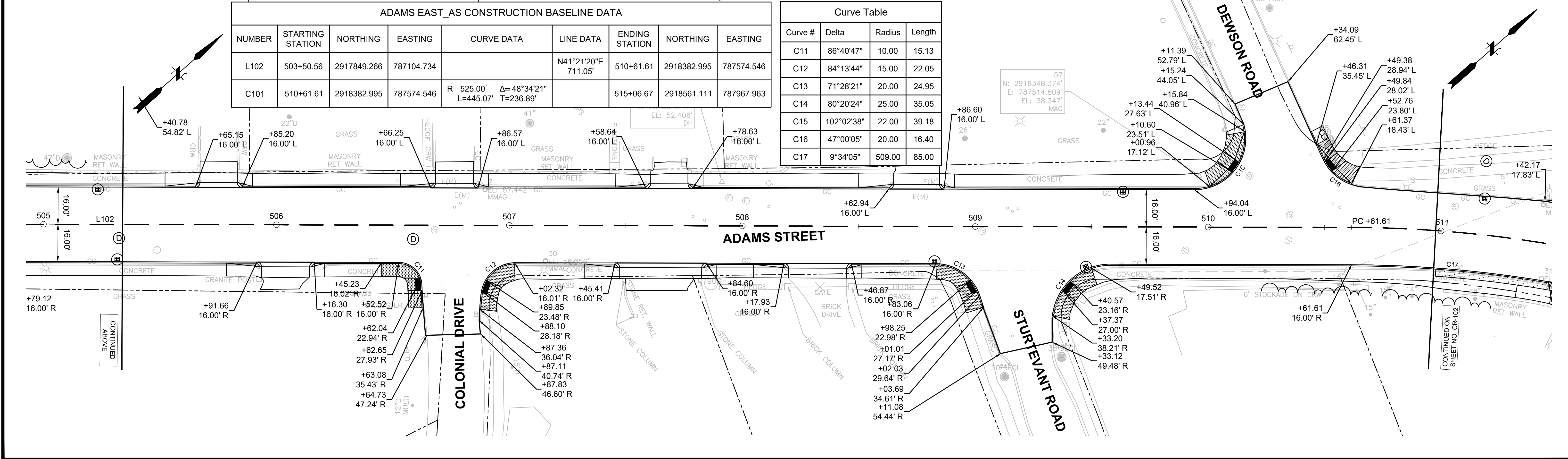
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CT-601

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 PC3: DWG TO PDF PC3 STBICB: FO STB
 LAYER STATE:



ADAMS EAST AS CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L102	503+50.56	2917849.266	787104.734		N41°21'20"E 711.05'	510+61.61	2918382.995	787574.546
C101	510+61.61	2918382.995	787574.546	R=525.00' Δ=48°34'21" L=445.07' T=236.89'		515+06.67	2918561.111	787967.963

Curve Table			
Curve #	Delta	Radius	Length
C11	86°40'47"	10.00	15.13
C12	84°13'44"	15.00	22.05
C13	71°28'21"	20.00	24.95
C14	80°20'24"	25.00	35.05
C15	102°02'38"	22.00	39.18
C16	47°00'05"	20.00	16.40
C17	9°34'05"	509.00	85.00



No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL



SCALE:
 HORZ.: 1"= 20'
 VERT.:
 DATUM:
 HORZ.: NAD83
 VERT.: NAVD88

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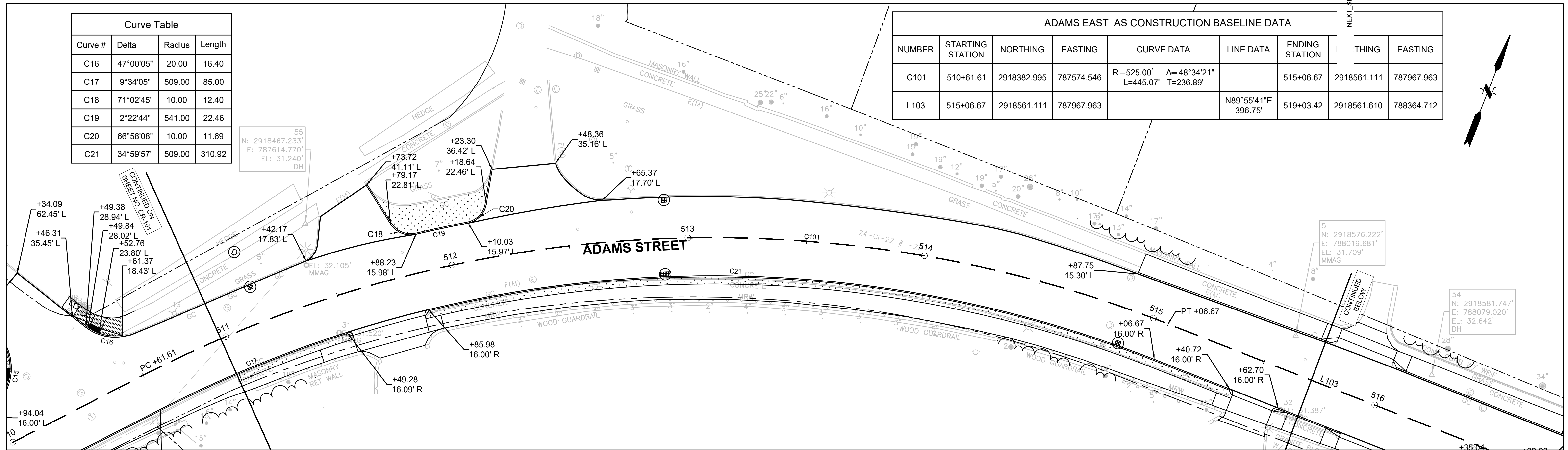
CITY OF QUINCY
 CURB AND BASELINE TIE PLAN
 ADAMS STREET EAST
 QUINCY MASSACHUSETTS

PROJ. No.: 20190211.T40
 DATE: SEPTEMBER 2024
CR-101

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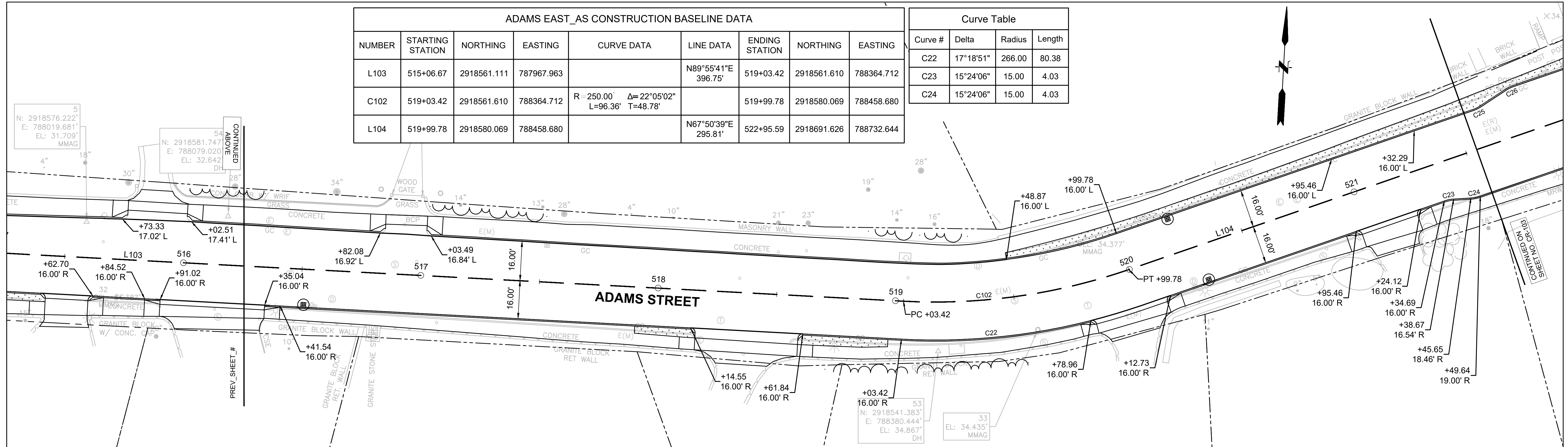
Curve Table			
Curve #	Delta	Radius	Length
C16	47°00'05"	20.00	16.40
C17	9°34'05"	509.00	85.00
C18	71°02'45"	10.00	12.40
C19	2°22'44"	541.00	22.46
C20	66°58'08"	10.00	11.69
C21	34°59'57"	509.00	310.92

ADAMS EAST_AS CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	THING	EASTING
C101	510+61.61	2918382.995	787574.546	R=525.00 Δ=48°34'21" L=445.07' T=236.89'		515+06.67		2918561.111 787967.963
L103	515+06.67	2918561.111	787967.963		N89°55'41"E 396.75'	519+03.42		2918561.610 788364.712



ADAMS EAST_AS CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L103	515+06.67	2918561.111	787967.963		N89°55'41"E 396.75'	519+03.42	2918561.610	788364.712
C102	519+03.42	2918561.610	788364.712	R=250.00 Δ=22°05'02" L=96.36' T=48.78'		519+99.78	2918580.069	788458.680
L104	519+99.78	2918580.069	788458.680		N67°50'39"E 295.81'	522+95.59	2918691.626	788732.644

Curve Table			
Curve #	Delta	Radius	Length
C22	17°18'51"	266.00	80.38
C23	15°24'06"	15.00	4.03
C24	15°24'06"	15.00	4.03

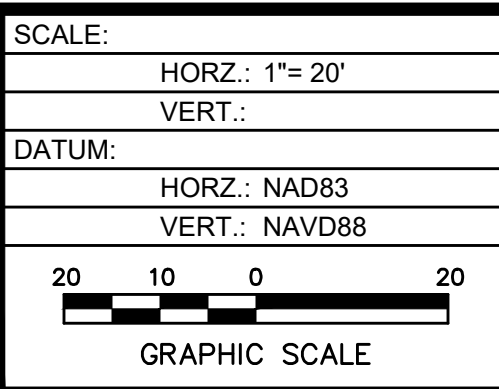


No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL



SCALE:
 HORZ.: 1"= 20'
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 GRAPHIC SCALE

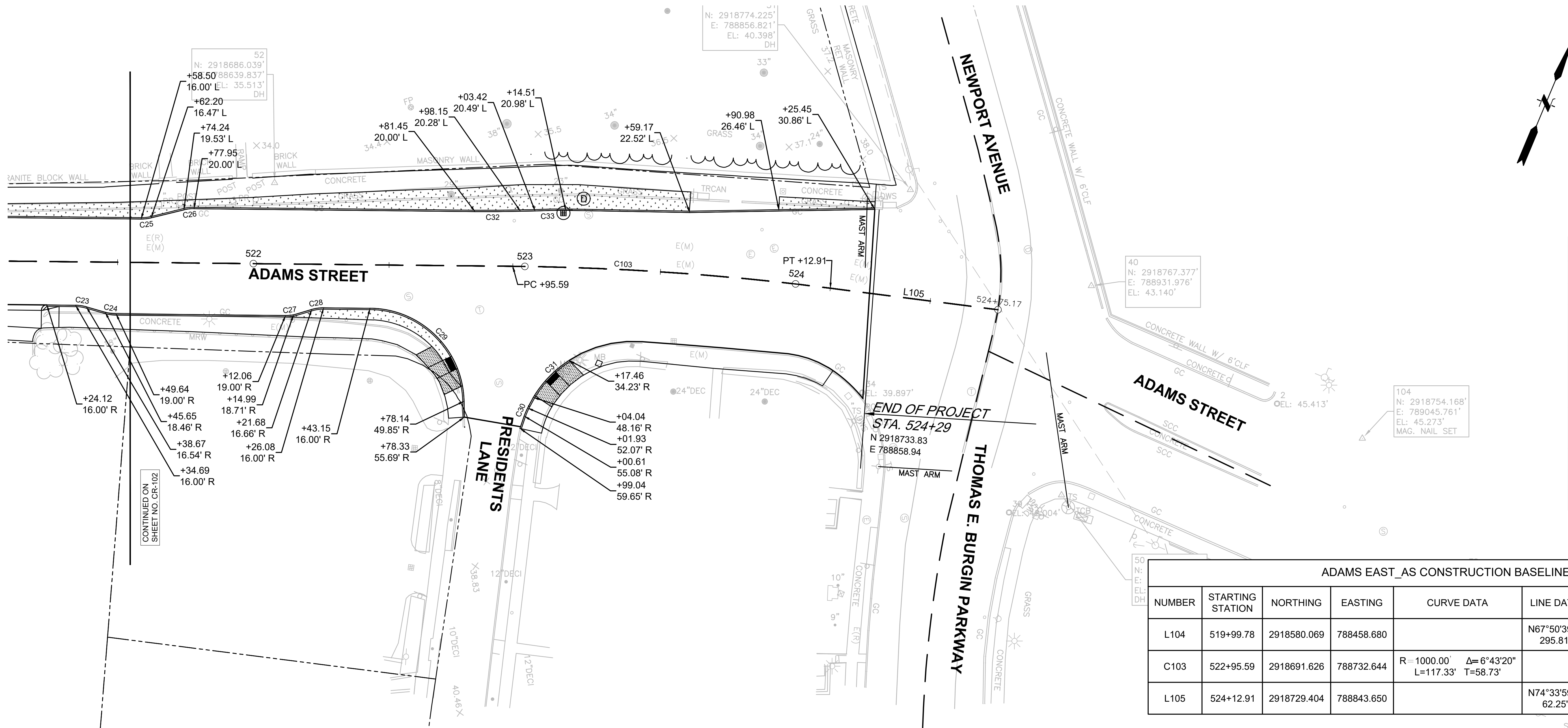


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CITY OF QUINCY
 CURB AND BASELINE TIE PLAN
 ADAMS STREET EAST
 QUINCY MASSACHUSETTS

PROJ. No.: 20190211.T40
 DATE: SEPTEMBER 2024
CR-102

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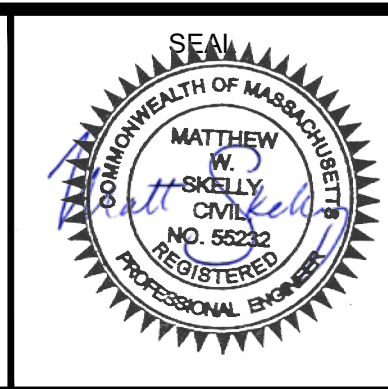


Curve Table			
Curve #	Delta	Radius	Length
C23	15°24'06"	15.00	4.03
C24	15°24'06"	15.00	4.03
C25	14°18'24"	15.00	3.75
C26	14°18'24"	15.00	3.75
C27	11°15'39"	15.00	2.95
C28	17°03'02"	15.00	4.46
C29	88°07'28"	35.00	53.83
C30	9°19'55"	20.00	3.26
C31	27°25'25"	40.00	19.15
C32	1°55'06"	500.50	16.76
C33	3°15'11"	199.50	11.33

ADAMS EAST_AS CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L104	519+99.78	2918580.069	788458.680		N67°50'39"E 295.81'	522+95.59	2918691.626	788732.644
C103	522+95.59	2918691.626	788732.644	R= 1000.00' Δ=6°43'20" L=117.33' T=58.73'		524+12.91	2918729.404	788843.650
L105	524+12.91	2918729.404	788843.650		N74°33'59"E 62.25'	524+75.17	2918745.970	788903.656

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL



SCALE:
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 VERT.:
 DATUM:
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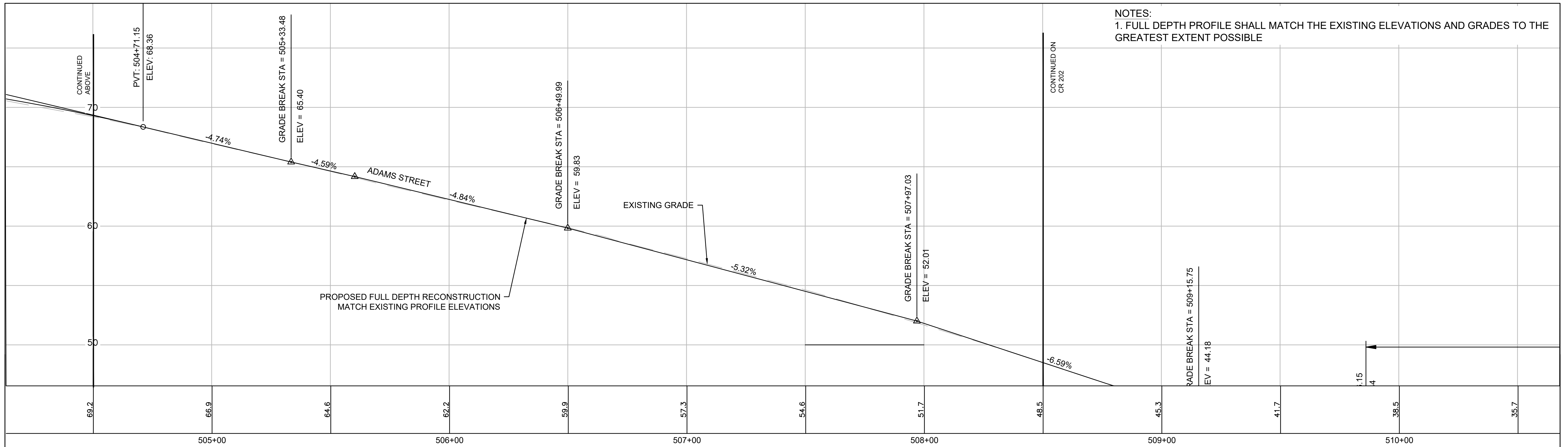
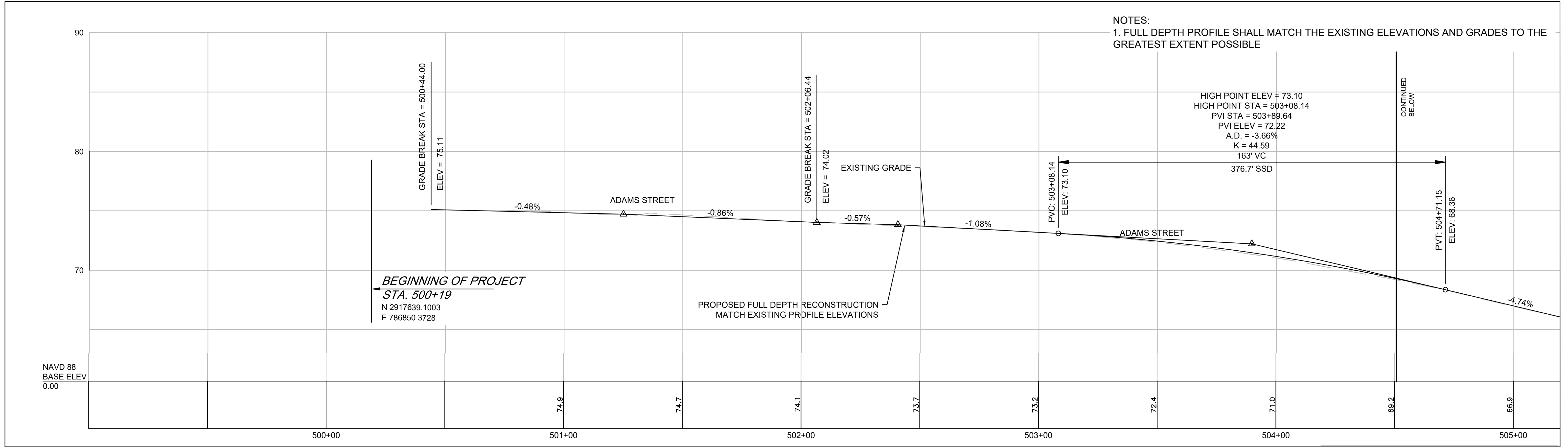
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CITY OF QUINCY
 CURB AND BASELINE TIE PLAN
 ADAMS STREET EAST
 QUINCY MASSACHUSETTS

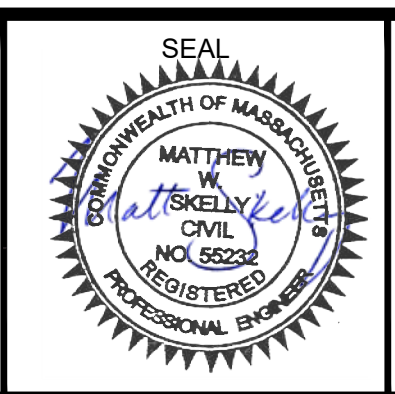
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 DATE: SEPTEMBER 2024
CR-103

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 LAYER STATE:



No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL



SCALE:
 HORZ.: 1" = 20'
 VERT.: 1" = 10'

DATUM:
 HORZ.: NAD83
 VERT.: NAVD88

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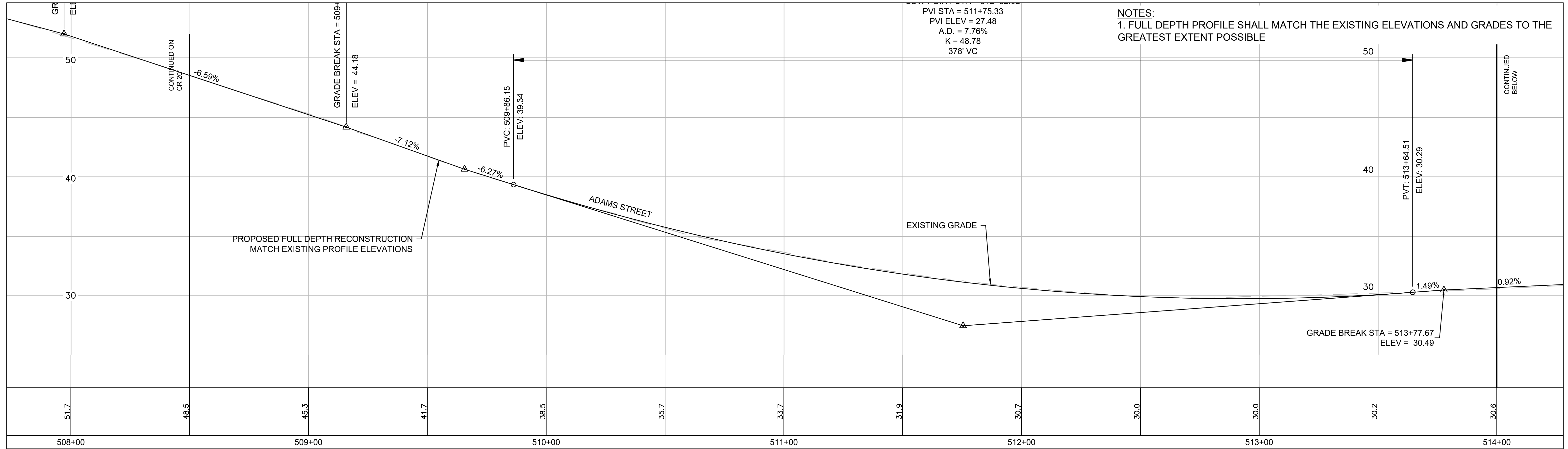
CITY OF QUINCY
 ROADWAY PROFILES
 ADAMS STREET EAST

QUINCY MASSACHUSETTS

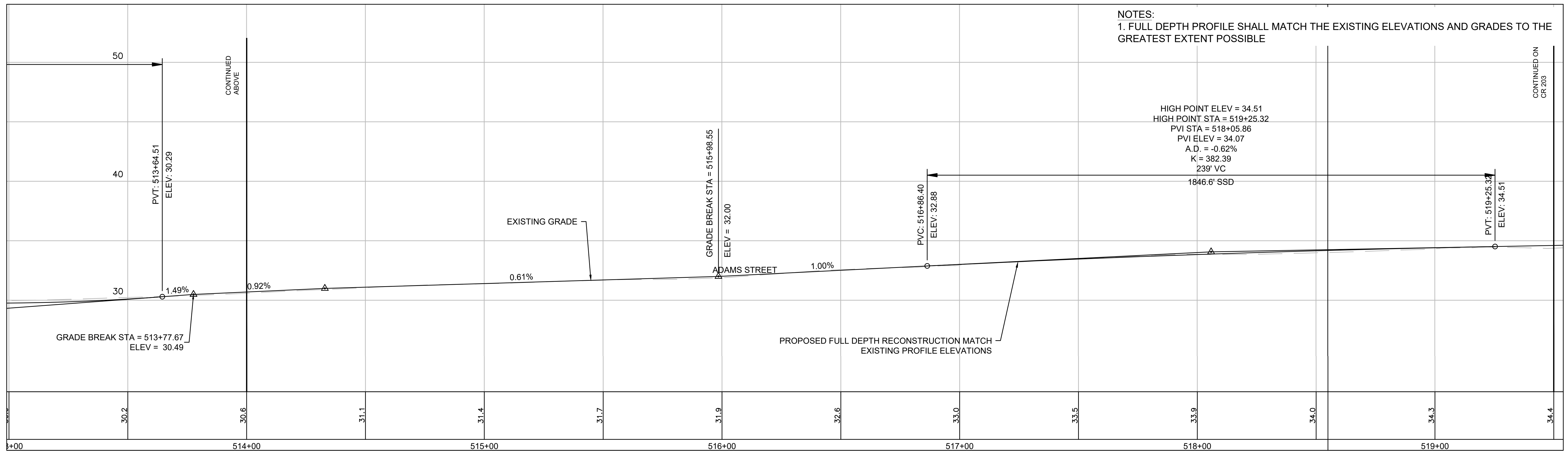
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 DATE: SEPTEMBER 2024

CR-201

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 LAYER STATE:



NOTES:
 1. FULL DEPTH PROFILE SHALL MATCH THE EXISTING ELEVATIONS AND GRADES TO THE GREATEST EXTENT POSSIBLE



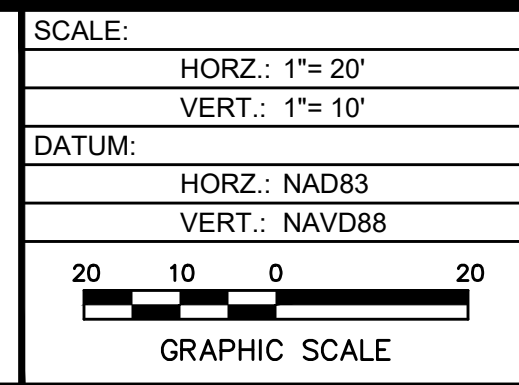
NOTES:
 1. FULL DEPTH PROFILE SHALL MATCH THE EXISTING ELEVATIONS AND GRADES TO THE GREATEST EXTENT POSSIBLE

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL



SEAL



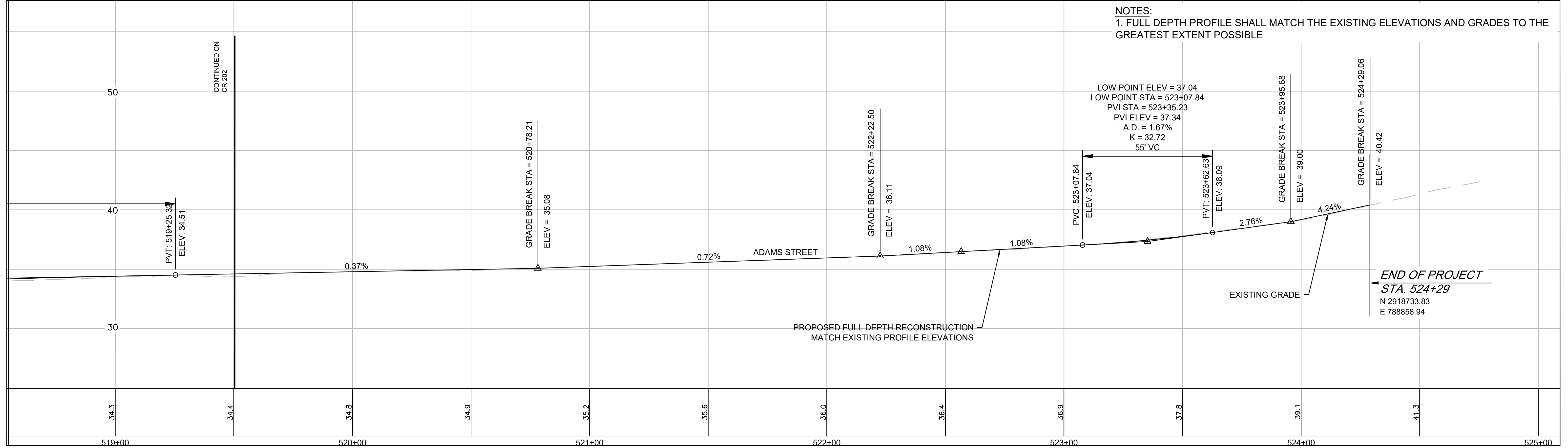
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CITY OF QUINCY
 PROFILE PLANS
 ADAMS STREET EAST
 MASSACHUSETTS

PROJ. No.: 20190211.T40
 DATE: SEPTEMBER 2024
CR-202

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No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL



SCALE:
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 VERT.: 1"= 10'

DATUM:
 HORZ.: NAD83
 VERT.: NAVD88

GRAPHIC SCALE

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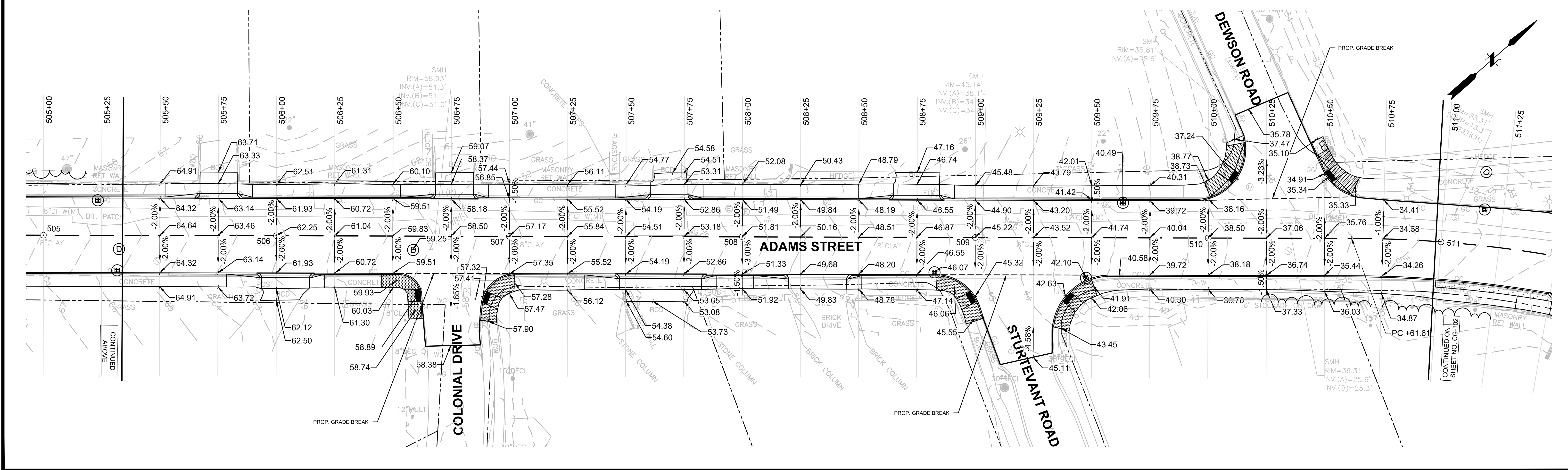
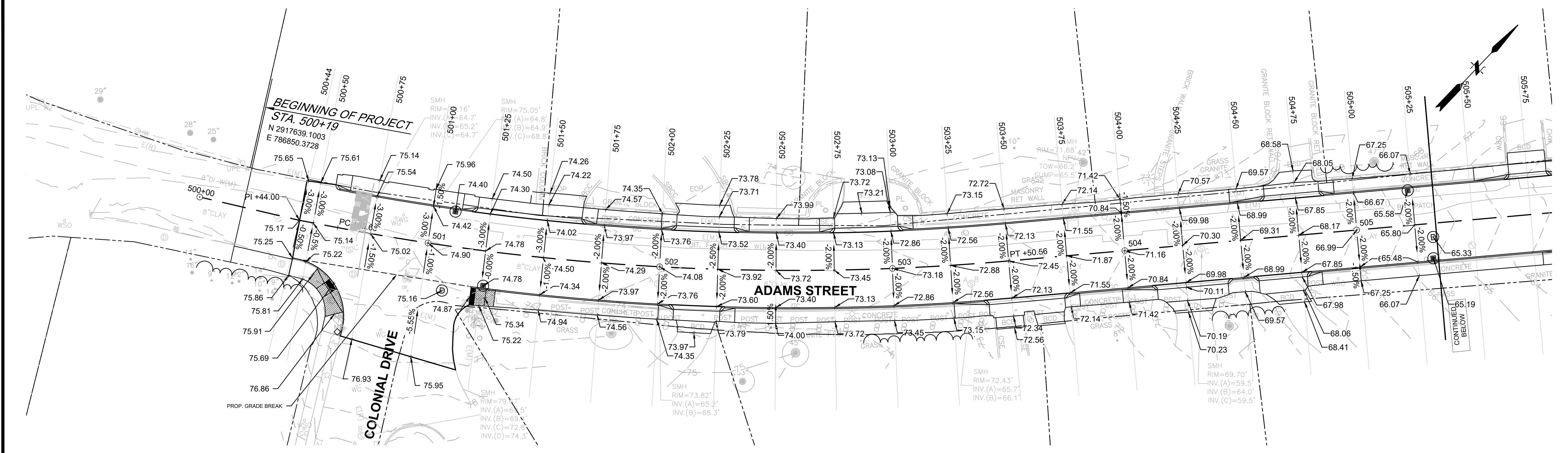
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CITY OF QUINCY
 ROADWAY PROFILES
 ADAMS STREET EAST
 QUINCY MASSACHUSETTS

PROJ. No.: 20190211.T40
 DATE: SEPTEMBER 2024

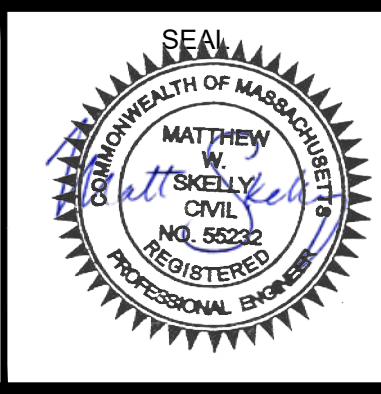
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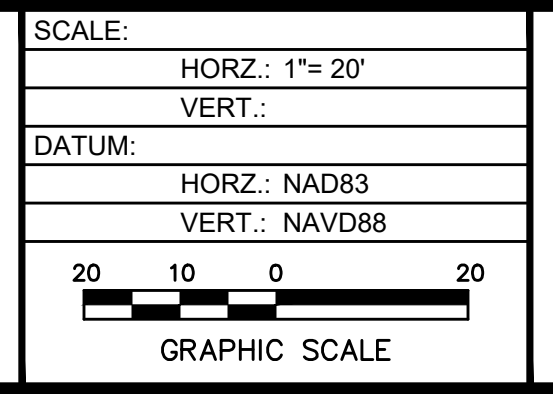


No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

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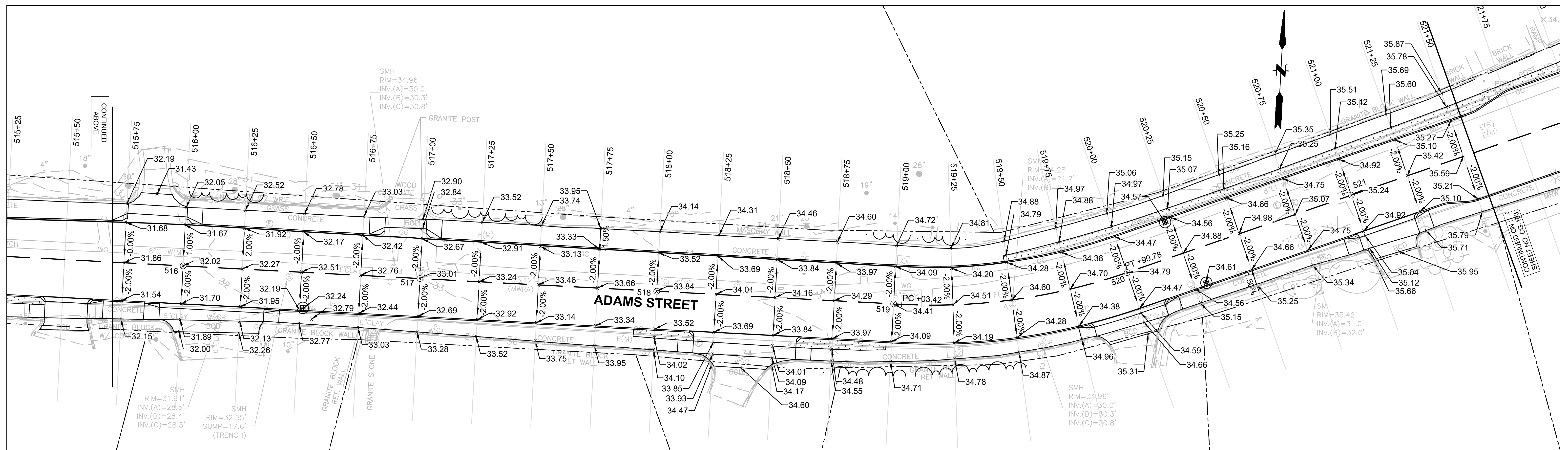
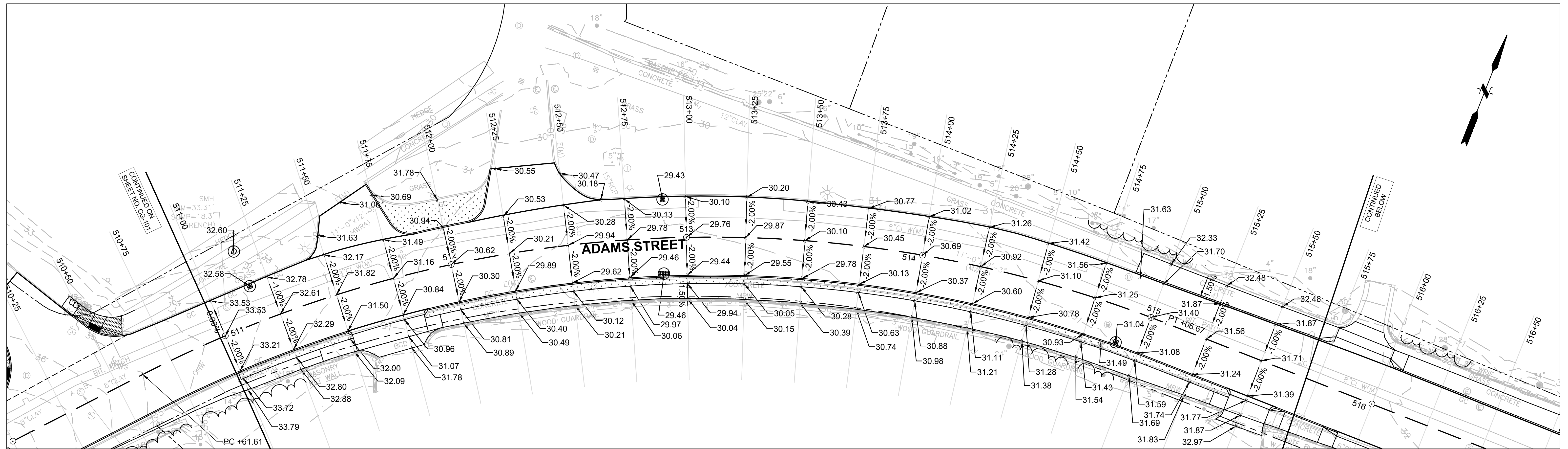
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CITY OF QUINCY
 GRADING PLAN
 ADAMS STREET EAST

QUINCY MASSACHUSETTS

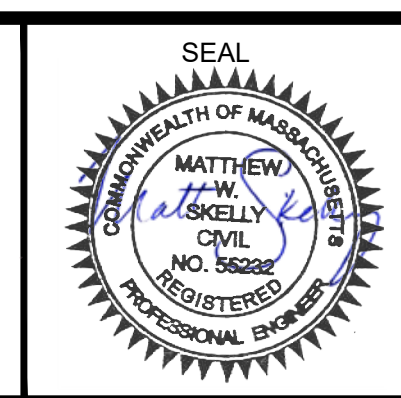
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 DATE: SEPTEMBER 2024
CG-101



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No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL



SEAL

SCALE:
 HORIZ.: 1"= 20'
 VERT.:
 DATUM:
 HORIZ.: NAD83
 VERT.: NAVD88

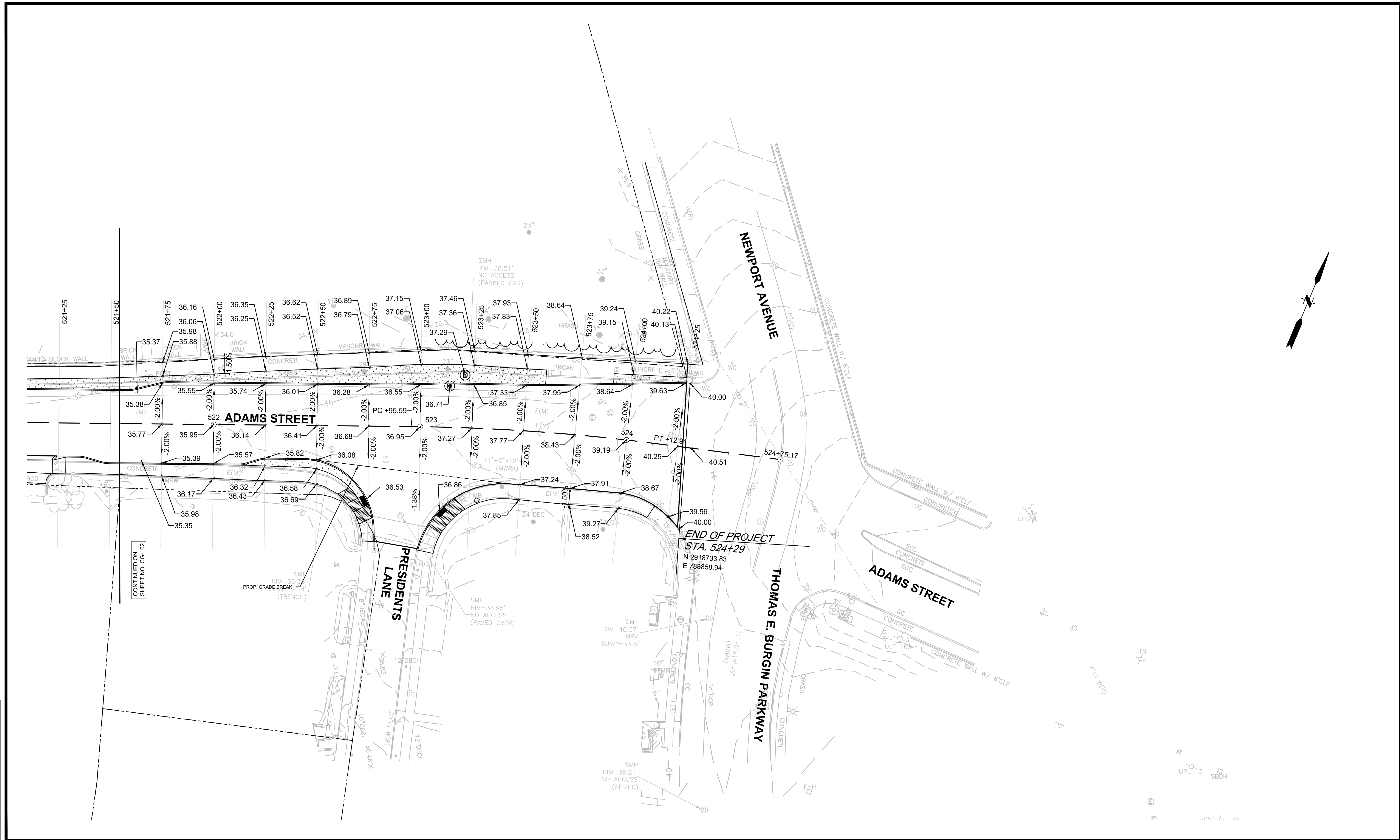
GRAPHIC SCALE

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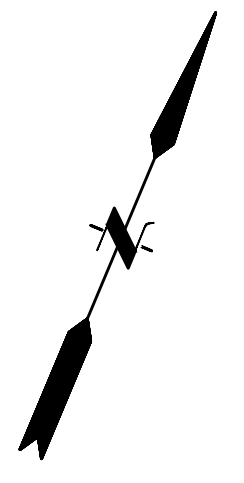
CITY OF QUINCY
 GRADING PLAN
 ADAMS STREET EAST
 QUINCY MASSACHUSETTS

PROJ. No.: 20190211.T40
 DATE: SEPTEMBER 2024
CG-102

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 LAYER STATE: PC3: NONE STB:CTB: FO:STB



CONTINUED ON SHEET NO. CG-102



No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL



SEAL

SCALE:

HORIZ.: 1"= 20'
VERT.:

DATUM:

HORIZ.: NAD83
VERT.: NAVD88

20 10 0 10 20
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CITY OF QUINCY
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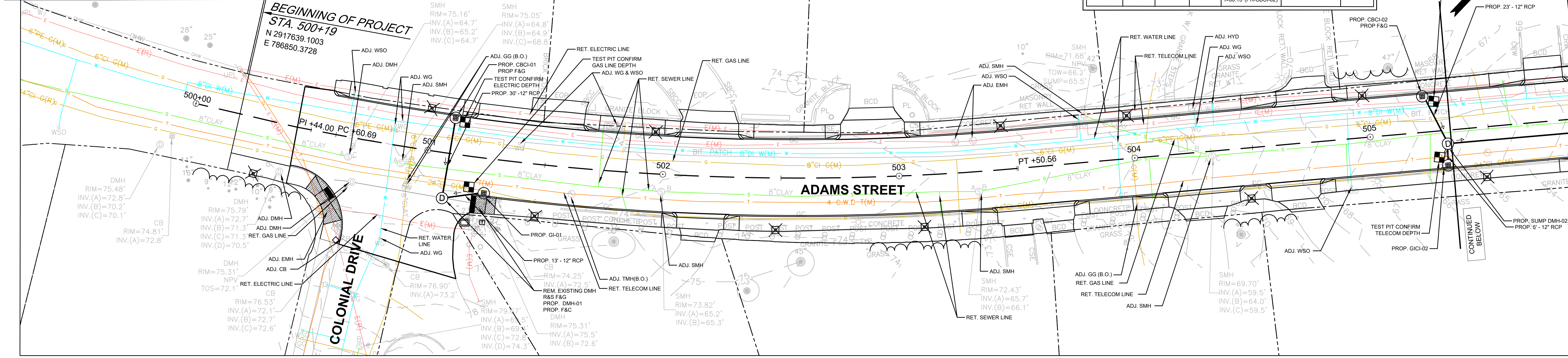
PROJ. No.: 20190211.T40
 DATE: SEPTEMBER 2024
CG-103

- NOTE:
- ALL PROPOSED (NEW) CATCH BASINS SHALL HAVE 4' SUMPS UNLESS DEEMED INFEASIBLE DUE TO UTILITY CONFLICTS AS DETERMINED BY THE ENGINEER. ONLY MASSDOT STANDARD GUTTER INLET STRUCTURES PROPOSED AT CONSTRAINED LOCATIONS DO NOT HAVE A SUMP.
 - ALL CATCH BASINS WITHIN THE PAVED ROADWAY SHALL HAVE CASCADE STYLE/BICYCLE SAFE GRATES UNLESS OTHERWISE NOTED ON THE PLANS.
 - ALL EXISTING CATCH BASINS WITHIN THE PROJECT AREA SHALL BE PROTECTED WITH SILT SACKS.
 - SEE SHEETS E-103 TO E-111 AND E-113 FOR STREET LIGHTING DEMOLITION AND PROPOSED STREET LIGHTING WORK.

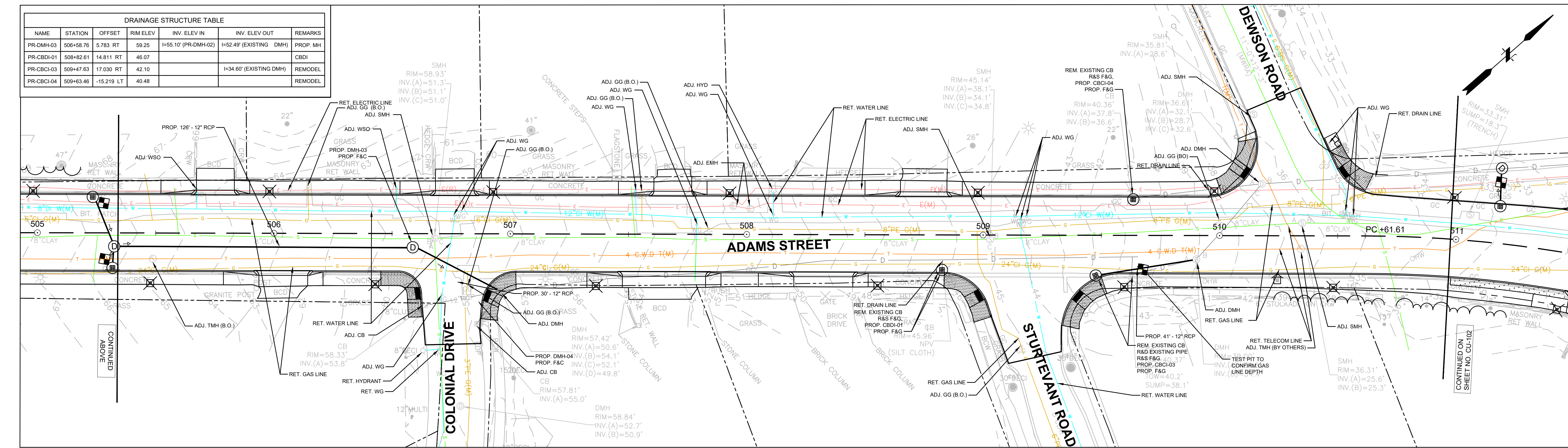
- THE CONTRACTOR SHALL EXCAVATE TEST PITS AS NEEDED ALONG THE SOUTHERN CURB PRIOR TO CONSTRUCTION ADJACENT TO PROPOSED DRAINAGE STRUCTURES TO DETERMINE POTENTIAL CONFLICTS WITH EXISTING GAS MAIN
- CONTRACTOR SHALL NOTIFY HOMEOWNERS 14 DAYS PRIOR TO WORK FOR HOMEOWNERS TO MARK IRRIGATION.
- CONTRACTOR TO CLEAN OUT ALL STRUCTURES TO REMAIN AND VERIFY INVERTS PRIOR TO CONSTRUCTION

UTILITY	UTILITY LINE TYPE LEGEND	
	EXISTING	PROPOSED
CATV - UNDERGROUND		
DRAINAGE - UNDERGROUND		
ELECTRIC - UNDERGROUND		
ELECTRIC - OVERHEAD		
GAS - UNDERGROUND		
SEWER - UNDERGROUND		
TELEPHONE - UNDERGROUND		
WATER - UNDERGROUND		
TRAFFIC SIGNAL - UNDERGROUND		

DRAINAGE STRUCTURE TABLE						
NAME	STATION	OFFSET	RIM ELEV	INV. ELEV IN	INV. ELEV OUT	REMARKS
PR-DMH-01	501+08.84	19.154 RT	75.16	I=88.97' (PR-CBCI-01) I=88.98' (PR-GI-01)		DMH
PR-CBCI-01	501+09.83	-15.250 LT	74.40		I=89.05' (PR-DMH-01)	CBCI
PR-GI-01	501+25.79	14.788 RT	74.78		I=89.02' (PR-DMH-01)	GICI
PR-CBCI-02	505+23.37	-15.188 LT	65.58		I=80.28' (PR-DMH-02)	CBCI
PR-GICI-02	505+31.77	14.817 RT	65.19		I=80.92' (PR-DMH-02)	GICI
PR-DMH-02	505+32.47	5.696 RT	65.34	I=80.94' (PR-GICI-02) I=80.15' (PR-CBCI-02)	I=55.38' (PR-DMH-03)	SUMP MH



DRAINAGE STRUCTURE TABLE						
NAME	STATION	OFFSET	RIM ELEV	INV. ELEV IN	INV. ELEV OUT	REMARKS
PR-DMH-03	506+58.76	5.783 RT	59.25	I=55.10' (PR-DMH-02)	I=52.49' (EXISTING DMH)	PROP. MH
PR-CBCI-01	508+82.61	14.811 RT	46.07			CBCI
PR-CBCI-03	509+47.63	17.030 RT	42.10		I=34.60' (EXISTING DMH)	REMODEL
PR-CBCI-04	509+63.46	-15.219 LT	40.48			REMODEL

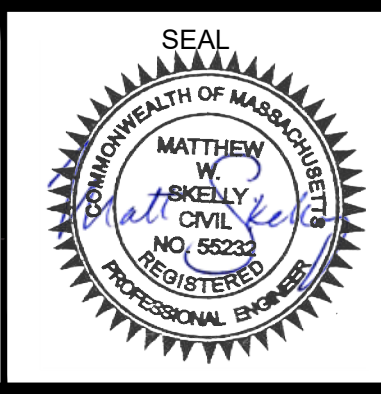


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MS VIEW: LAYER STATE: PC3: NONE ST/CTB: FO.STB

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL



SCALE:
HORIZ.: 1"= 20'
VERT.:
DATING:
HORIZ.: NAD83
VERT.: NAVD88

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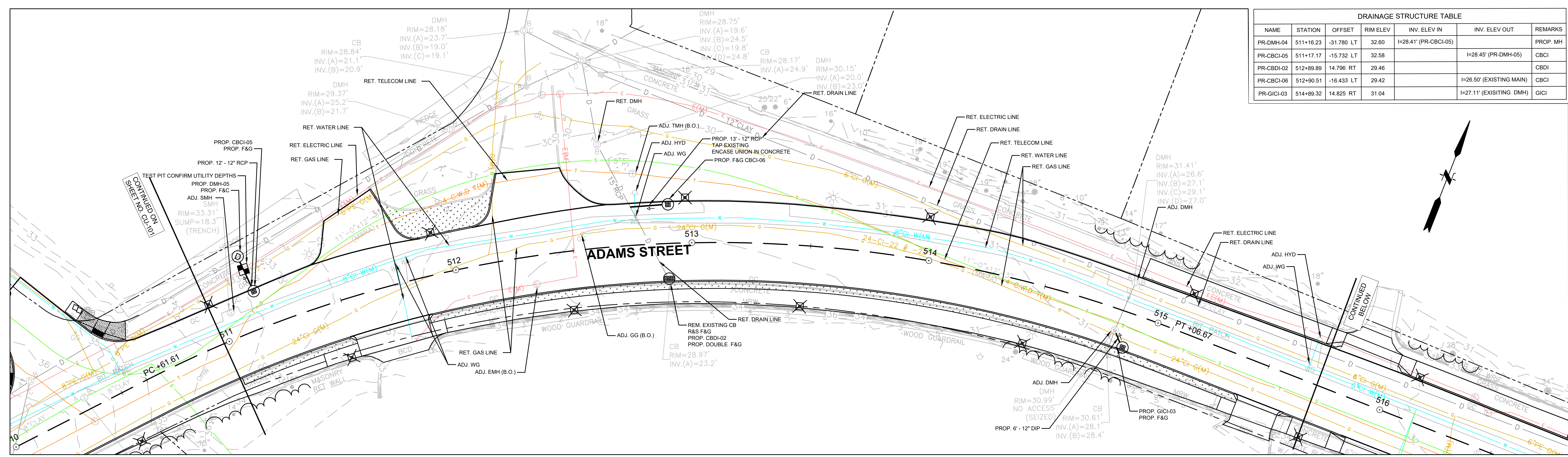
CITY OF QUINCY
DRAINAGE AND UTILITY PLAN
ADAMS STREET EAST

QUINCY MASSACHUSETTS

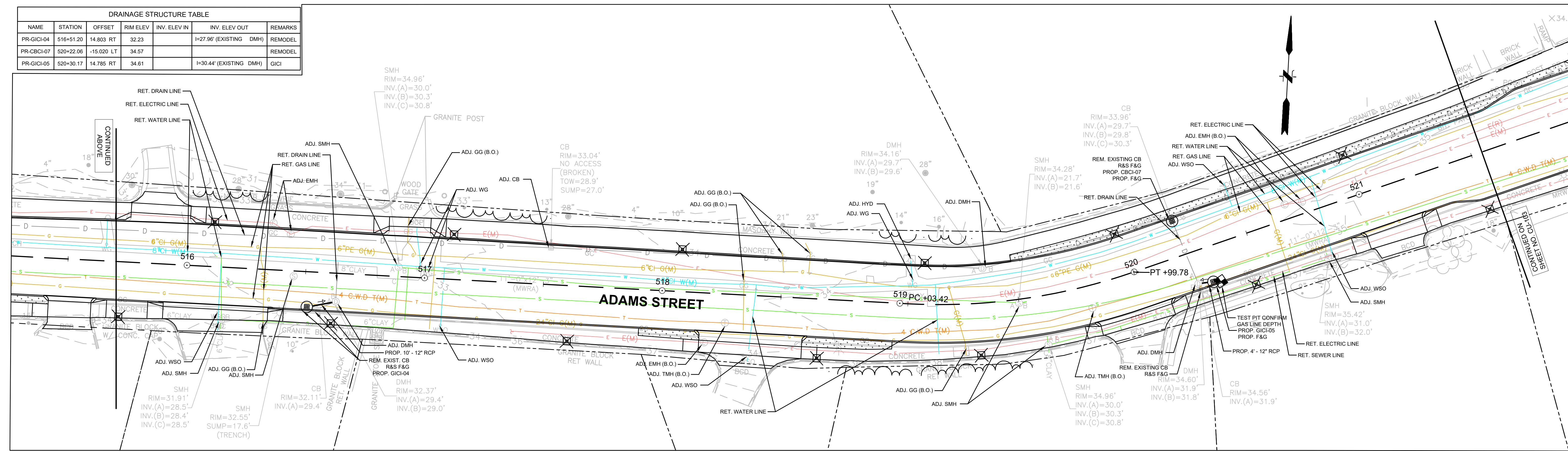
PROJ. No.: 20190211.T40
DATE: SEPTEMBER 2024
CU-101

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MS VIEW: PC3: NONE STB/CTB: FO STB LAYER STATE:



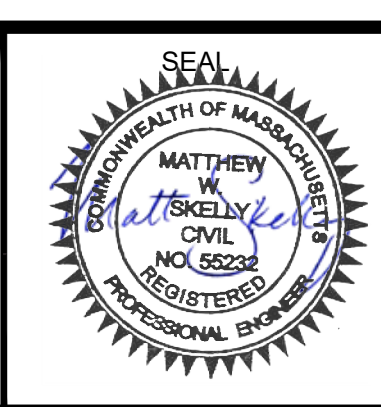
DRAINAGE STRUCTURE TABLE						
NAME	STATION	OFFSET	RIM ELEV	INV. ELEV IN	INV. ELEV OUT	REMARKS
PR-DMH-04	511+16.23	-31.780 LT	32.60	I=28.41' (PR-CBCI-05)		PROP. MH
PR-CBCI-05	511+17.17	-15.732 LT	32.58		I=28.45' (PR-DMH-05)	CBCI
PR-CBCI-02	512+89.89	14.796 RT	29.46			CBCI
PR-CBCI-06	512+90.51	-16.433 LT	29.42		I=26.50' (EXISTING MAIN)	CBCI
PR-GICI-03	514+89.32	14.825 RT	31.04		I=27.11' (EXISTING DMH)	GICI



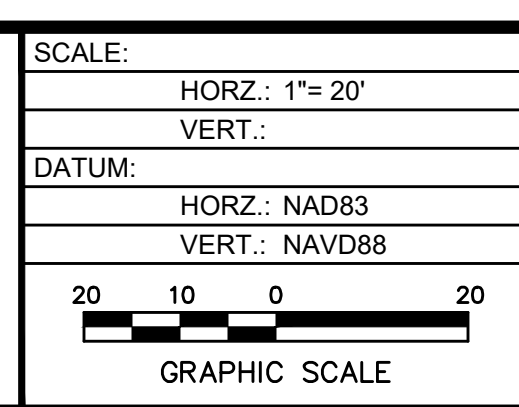
DRAINAGE STRUCTURE TABLE						
NAME	STATION	OFFSET	RIM ELEV	INV. ELEV IN	INV. ELEV OUT	REMARKS
PR-GICI-04	516+51.20	14.803 RT	32.23		I=27.96' (EXISTING DMH)	REMODEL
PR-CBCI-07	520+22.06	-15.020 LT	34.57			REMODEL
PR-GICI-05	520+30.17	14.785 RT	34.61		I=30.44' (EXISTING DMH)	GICI

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL



SCALE:
 HORIZ.: 1"= 20'
 VERT.:
 DATUM:
 HORIZ.: NAD83
 VERT.: NAVD88
 GRAPHIC SCALE

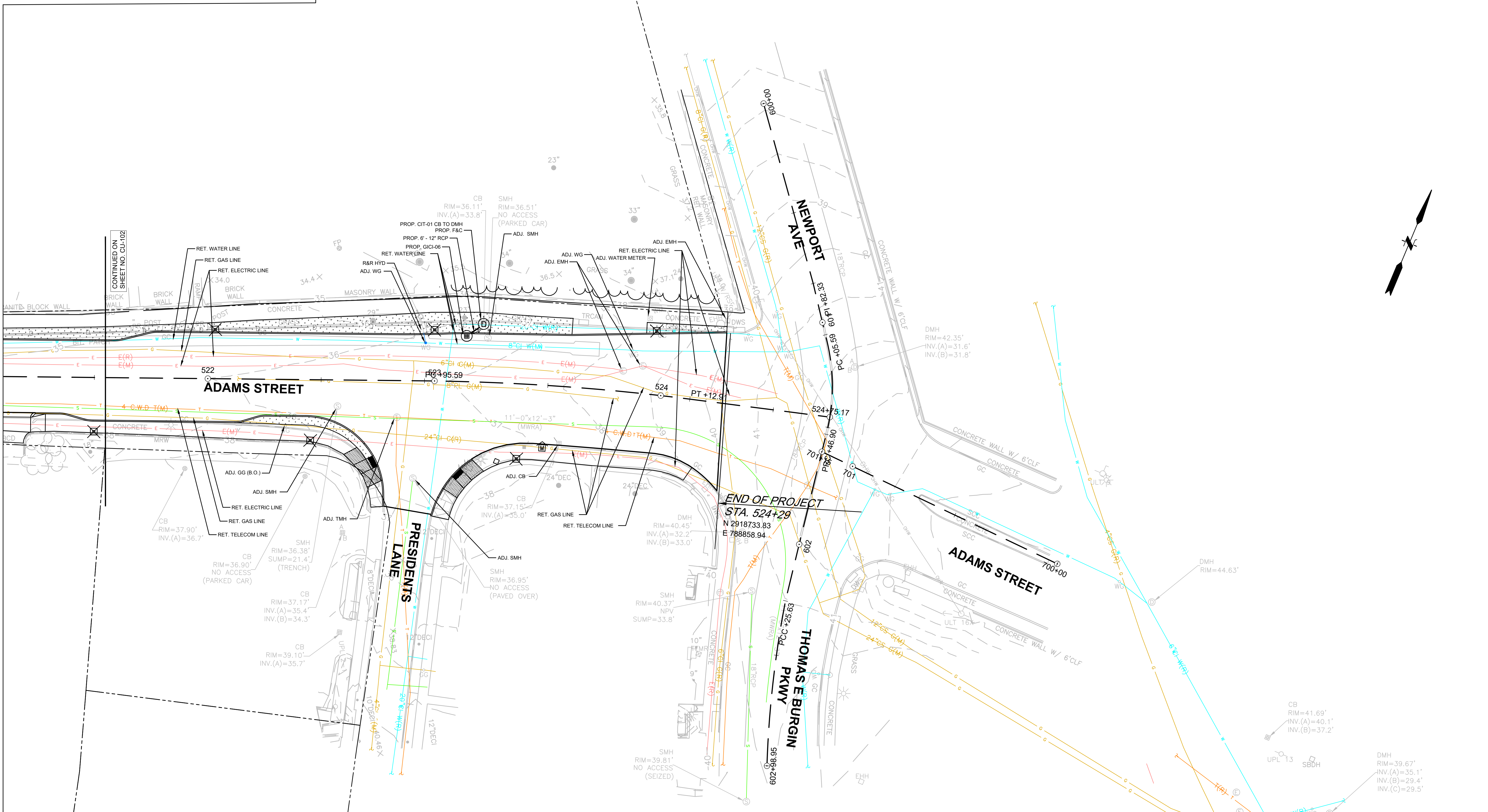


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CITY OF QUINCY
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 ADAMS STREET EAST
 QUINCY MASSACHUSETTS

PROJ. No.: 20190211.T40
 DATE: SEPTEMBER 2024
CU-102

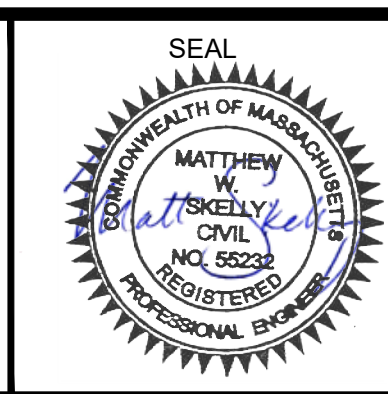
DRAINAGE STRUCTURE TABLE						
NAME	STATION	OFFSET	RIM ELEV	INV. ELEV IN	INV. ELEV OUT	REMARKS
PR-GICI-06	523+13.63	-20.152 LT	38.08		I=33.75' (PR-CIT-01)	
PR-CIT-01	523+20.77	-25.687 LT	37.31	I=33.97' (PR-GICI-06)		CHANGE IN TYPE



File: J:\DWG\2019\02111740\Civil\Plan\Adams St East\201902111740_DRA01.dwg Layout: DRA-03 Plotted: 2024-09-10 6:47 PM Saved: 2024-09-10 6:25 PM User: Benjamin Cohen
 LAYER STATE: PC3: NONE STRICTB: FO STB

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL



SEAL

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 DATUM:
 HORZ.: NAD83
 VERT.: NAVD88

GRAPHIC SCALE

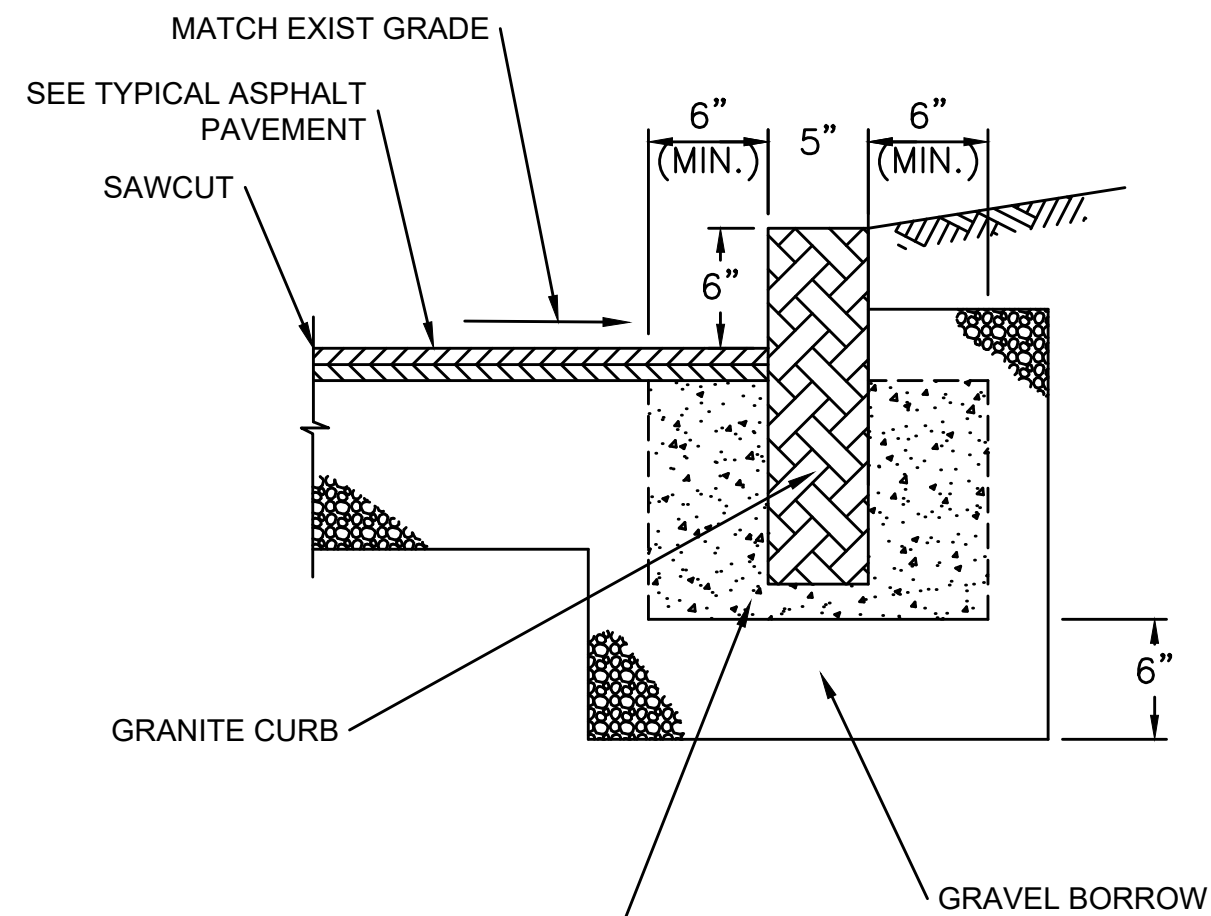
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CITY OF QUINCY
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PROJ. No.: 20190211.T40
 DATE: SEPTEMBER 2024
CU-103

NOTES:

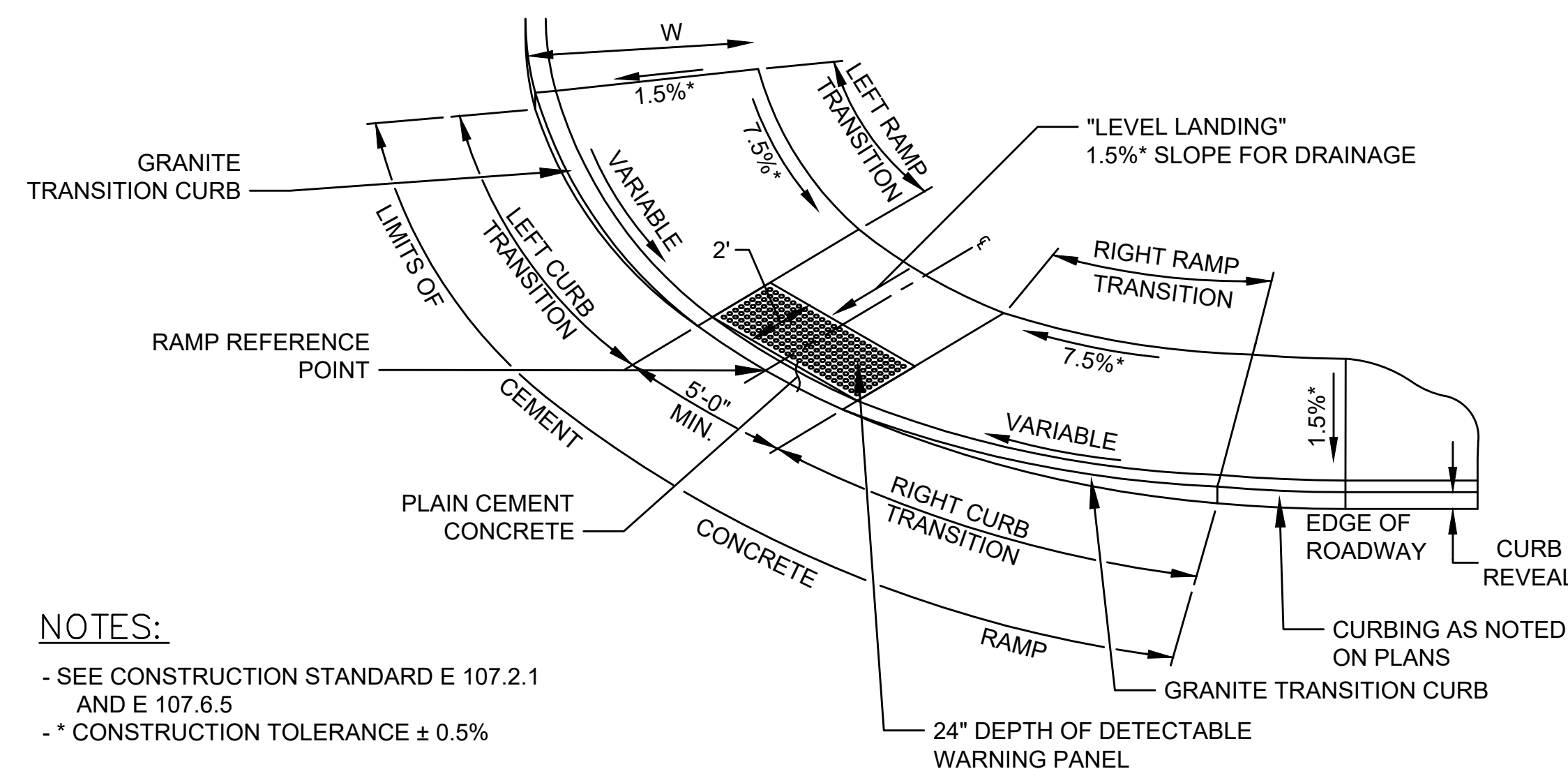
1. RAMP GRADES SHALL NOT EXCEED 7.5%
2. *CONSTRUCTION TOLERANCE ±0.5%
3. ROADWAY GUTTER GRADES WERE APPROXIMATED FROM ELEVATION DATA PROVIDED IN SURVEY FILE. CONTRACTOR SHALL ADJUST RAMP TRANSITION LENGTHS AS NEEDED TO NOT EXCEED 7.5%*



- NOTES:**
1. LENGTH OF CURB VARIES TO FIT RADIUS. 2 FT. MIN.
 2. ENDS SHALL BE SQUARE TO TOP AND RADIAL TO FACE.
 3. BUTT ENDS TOGETHER AS CLOSE AS POSSIBLE. MAXIMUM SPACE OF 1/2" ALLOWED. 8" DOWN FROM TOP. JOINT SHALL BE MORTARED FULL DEPTH.
 4. 1/2" EXPANSION JOINT EVERY 50± FEET.
 5. CURBS TO BE SET ON A RADIUS OF 100 FEET OR LESS SHALL BE CUT TO THE CURVE REQUIRED, AND THEIR ENDS CUT ON RADIAL LINES.
 6. 1/2" EXPANSION JOINT AND FILLER WHEN CURB IS ADJACENT TO CONCRETE SIDEWALK.

GRANITE CURB TYPE VB 6" REVEAL

SCALE: N.T.S.



NOTES:

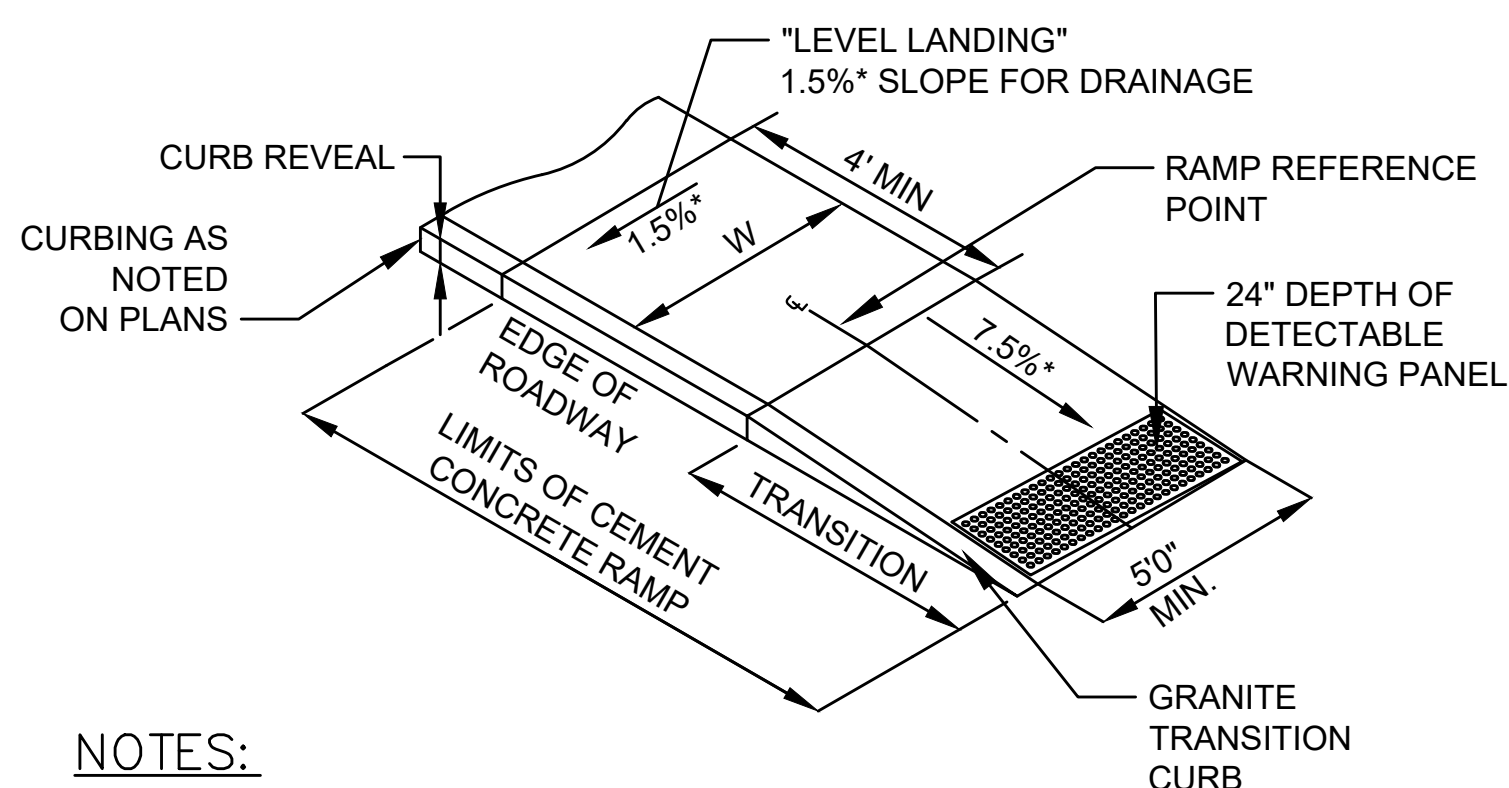
- SEE CONSTRUCTION STANDARD E 107.2.1 AND E 107.6.5
- * CONSTRUCTION TOLERANCE ± 0.5%

TYPE 2 PEDESTRIAN CURB RAMP ON CORNER RADIUS (W = 7.5')

N.T.S.

PCR#	RAMP REFERENCE POINT		WIDTH OF SIDEWALK (W)	WIDTH OF RAMP ENTRANCE (5'-0" MIN.)	CORNER RADIUS	LEFT SIDE TRANSITION					RIGHT SIDE TRANSITION						
	STATION/ROADWAY	OFFSET				CURB CURVE LENGTH	CURB STRAIGHT LENGTH	PC/PT CURB REVEAL	ROADWAY GUTTER GRADE	CURB REVEAL	RAMP LENGTH	CURB CURVE LENGTH	CURB STRAIGHT LENGTH	PC/PT CURB REVEAL	ROADWAY GUTTER GRADE	CURB REVEAL	RAMP LENGTH
PCR2-1	STA 506+88.76/ADAMS ST	25.79' RT	7'-6"	5'-0"	15'	12'-0"	N/A	-	8.25%	6"	10'-0"	7'-0 1/2"	N/A	-	-6.63%	6"	7'-0"
PCR2-2	STA 508+99.77/ADAMS ST	25.00' RT	7'-0"	5'-0"	20'	4'-11"	3'-0"	-	-0.67%	6"	7'-2"	16'-6"	N/A	3"	-4.94%	6"	6'-6"
PCR2-3	STA 509+38.91/ADAMS ST	24.96' RT	7'-7"	5'-0"	25'	6'-9"	N/A	-	6.42%	6"	12'-0"	12'-0"	N/A	-	-12.58%	6"	12'-0"
PCR2-4	STA 523+10.58/ADAMS ST	39.93' RT	7'-0"	5'-0"	40'	6'-6"	N/A	-	-4.48%	6"	6'-6"	6'-6"	N/A	-	-0.98%	6"	6'-6"
PCR2-5	STA 506+62.5/ADAMS ST	25.42' RT	7'-0"	5'-0"	10'	N/A	5'-9"	-	2.08%	6"	5'-0"	12'-6"	7'-3"	4"	-5.12%	6"	2'-6"

(-) REPRESENTS THE LOW SIDE TRANSITION



NOTES:

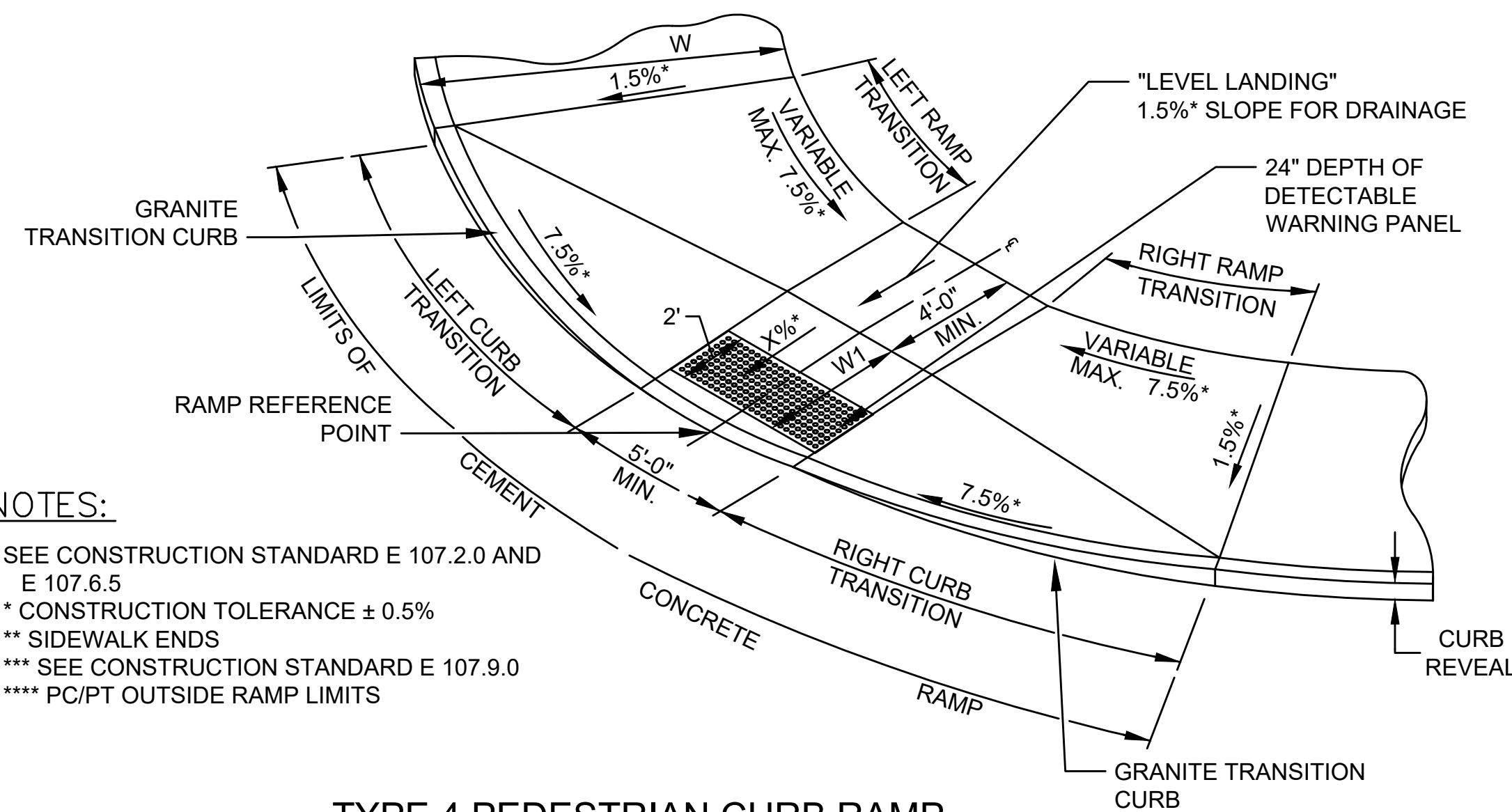
- SEE CONSTRUCTION STANDARD E 107.2.1 AND E 107.6.5, E 107.9.0
- * CONSTRUCTION TOLERANCE ± 0.25%

TYPE 3 PEDESTRIAN CURB RAMP

N.T.S.

PCR#	RAMP REFERENCE POINT		WIDTH OF SIDEWALK (W)	WIDTH OF RAMP ENTRANCE (5'-0" MIN.)	TRANSITION		
	STATION/ROADWAY	OFFSET			LENGTH	ROADWAY GUTTER GRADE	CURB REVEAL
PCR3-1	STA 501+20.86/ADAMS ST	20.04' RT	7'-1"	7'-1"	9'-0"	0.96%	6"

(-) REPRESENTS THE LOW SIDE TRANSITION



NOTES:

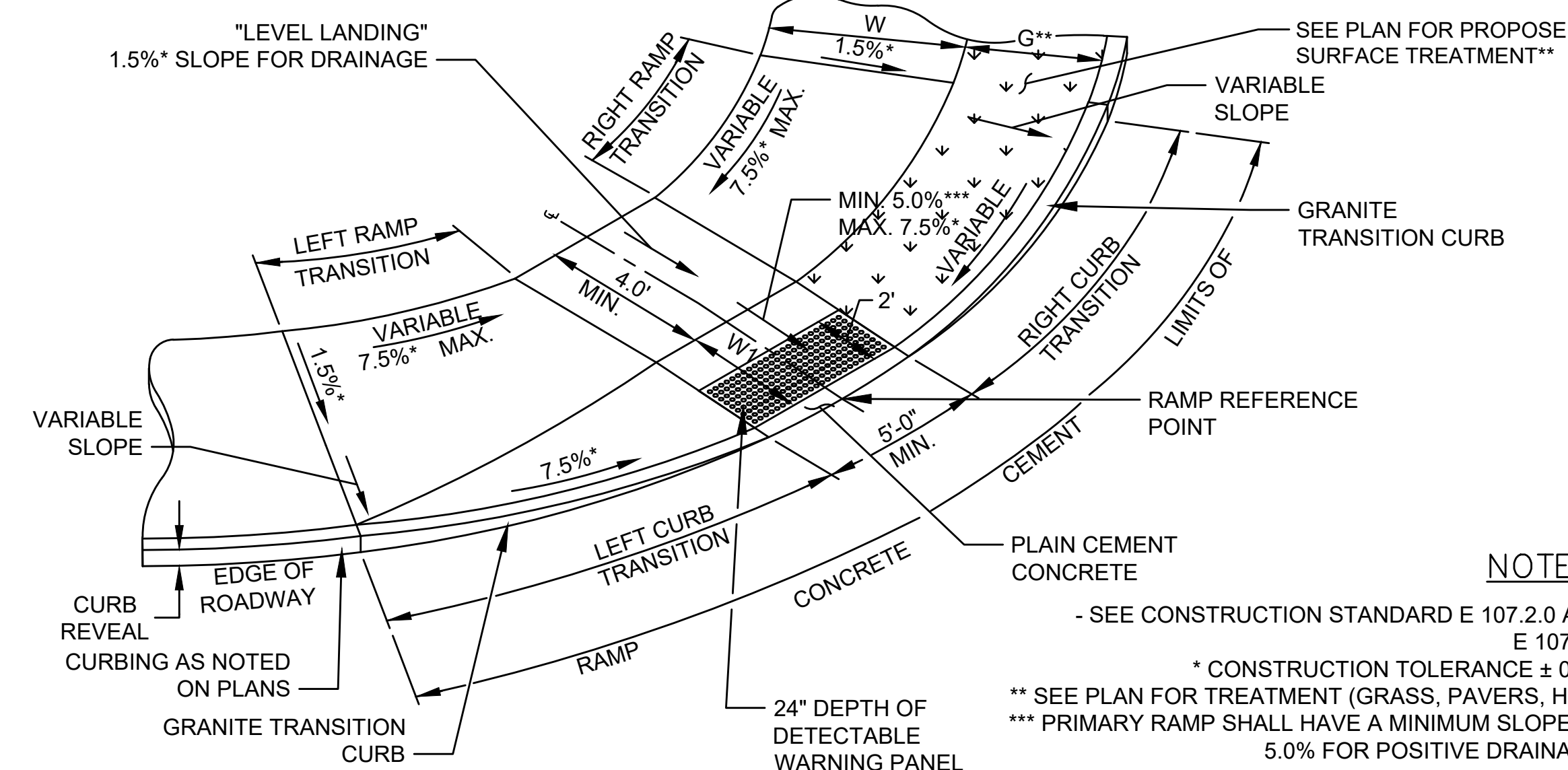
- SEE CONSTRUCTION STANDARD E 107.2.0 AND E 107.6.5
- * CONSTRUCTION TOLERANCE ± 0.5%
- ** SIDEWALK ENDS
- *** SEE CONSTRUCTION STANDARD E 107.9.0
- **** PC/PT OUTSIDE RAMP LIMITS

TYPE 4 PEDESTRIAN CURB RAMP ON CORNER RADIUS (W = 6.5' TO 12.4')

N.T.S.

PCR#	RAMP REFERENCE POINT		WIDTH OF SIDEWALK (W)	WIDTH OF RAMP ENTRANCE (5'-0" MIN.)	CORNER RADIUS	LEFT SIDE TRANSITION					RIGHT SIDE TRANSITION						
	STATION/ROADWAY	OFFSET				CURB CURVE LENGTH	CURB STRAIGHT LENGTH	PC/PT CURB REVEAL	ROADWAY GUTTER GRADE	CURB REVEAL	RAMP LENGTH	CURB CURVE LENGTH	CURB STRAIGHT LENGTH	PC/PT CURB REVEAL	ROADWAY GUTTER GRADE	CURB REVEAL	RAMP LENGTH
PCR4-1	STA 500+63.43/ADAMS ST	23.91' RT	7'-5"	5'-0"	25'	10'-6"	N/A	NA	-1.85%	6"	10'-6"	7'-1"	N/A	N/A	0.94%	6"	7'-1"
PCR4-2	STA STA 510+12.14/ADAMS ST	305.88' Lt	7'-10"	5'-0"	22'	6'-10"	N/A	NA	-5.87%	6"	6'-6"	6'-10"	N/A	N/A	4.16%	6"	6'-6"
PCR4-3	STA 510+51.16/ADAMS ST	25.89' LT	7'-9"	5'-0"	20'	1'-0"	7'-2"	5'-0"	-2.05%	6"	0'-7 1/2"	10'-4"	N/A	N/A	4.95%	6"	9'-4"

(-) REPRESENTS THE LOW SIDE TRANSITION



NOTES:

- SEE CONSTRUCTION STANDARD E 107.2.0 AND E 107.6.5
- * CONSTRUCTION TOLERANCE ± 0.5%
- ** SEE PLAN FOR TREATMENT (GRASS, PAVERS, HMA)
- *** PRIMARY RAMP SHALL HAVE A MINIMUM SLOPE OF 5.0% FOR POSITIVE DRAINAGE.

TYPE 5 MODIFIED WHEELCHAIR RAMP ON CORNER RADIUS WITH BUFFER STRIP (W = 6.5' TO 12.4')

N.T.S.

WCR#	RAMP REFERENCE POINT		WIDTH OF SIDEWALK (W)	WIDTH OF BUFFER STRIP (G)	WIDTH OF RAMP ENTRANCE (5'-0" MIN.)	LENGTH OF PRIMARY RAMP (W1)	CORNER RADIUS	LEFT SIDE TRANSITION					RIGHT SIDE TRANSITION						
	STATION/ROADWAY	OFFSET						CURB CURVE LENGTH	CURB STRAIGHT LENGTH	PC/PT CURB REVEAL	ROADWAY GUTTER GRADE	CURB REVEAL	RAMP LENGTH	CURB CURVE LENGTH	CURB STRAIGHT LENGTH	PC/PT CURB REVEAL	ROADWAY GUTTER GRADE	CURB REVEAL	RAMP LENGTH
PCR5-1	STA 522+74.56/ADAMS ST	35.56' RT	9'-6"	VARIES	5'-0"	6'-6"	35'	6'-6"	N/A	N/A	-0.99%	6"	6'-5"	6'-7"	N/A	N/A	1.25%	6"	6'-5"

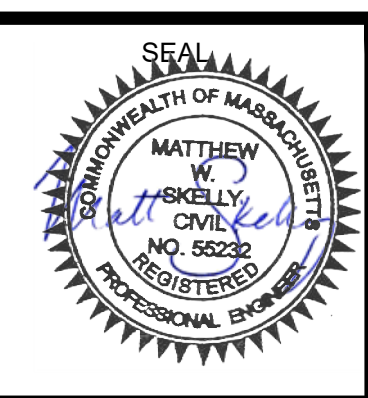
(-) REPRESENTS THE LOW SIDE TRANSITION

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MS VIEW: LAYER STATE: PC3: DWG TO PDF PC3 STBICB: FO STB

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL



SCALE:
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 GRAPHIC SCALE

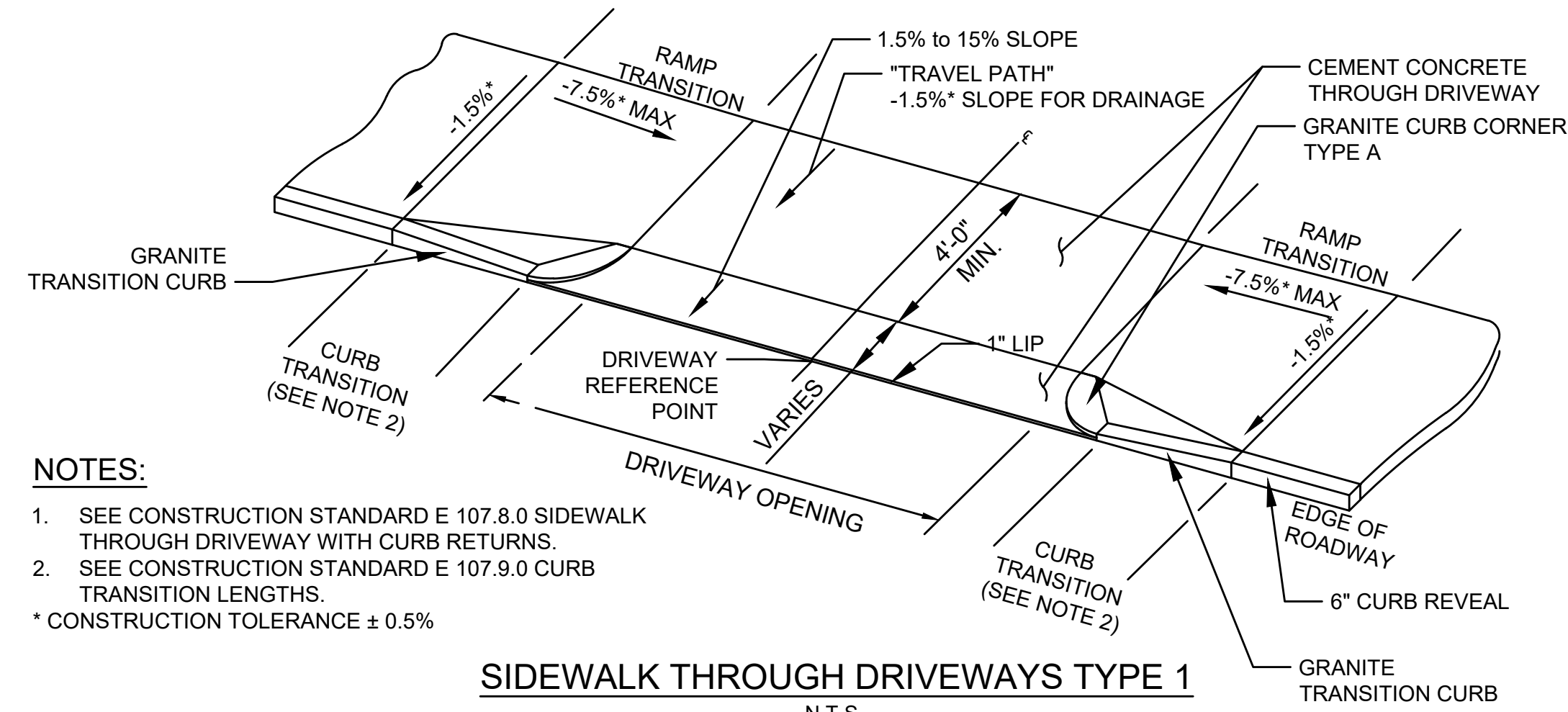
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CITY OF QUINCY
 CONSTRUCTION DETAILS
 ADAMS STREET EAST
 QUINCY MASSACHUSETTS

PROJ. No.: 20190211.T40
 DATE: SEPTEMBER 2024
CR-501

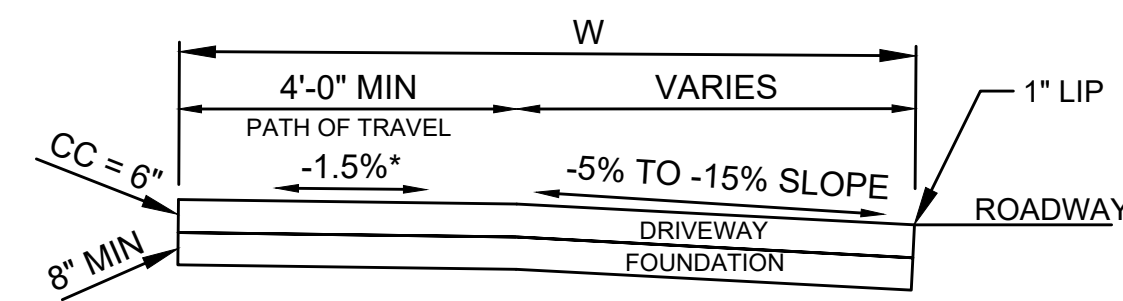
NOTES:

- RAMP GRADES SHALL NOT EXCEED 7.5%
- *CONSTRUCTION TOLERANCE $\pm 0.5\%$
- ROADWAY GUTTER GRADES WERE APPROXIMATED FROM ELEVATION DATA PROVIDED IN SURVEY FILE. CONTRACTOR SHALL ADJUST RAMP TRANSITION LENGTHS AS NEEDED TO NOT EXCEED 7.5%*



- NOTES:**
- SEE CONSTRUCTION STANDARD E 107.8.0 SIDEWALK THROUGH DRIVEWAY WITH CURB RETURNS
 - SEE CONSTRUCTION STANDARD E 107.9.0 CURB TRANSITION LENGTHS.
- * CONSTRUCTION TOLERANCE $\pm 0.5\%$

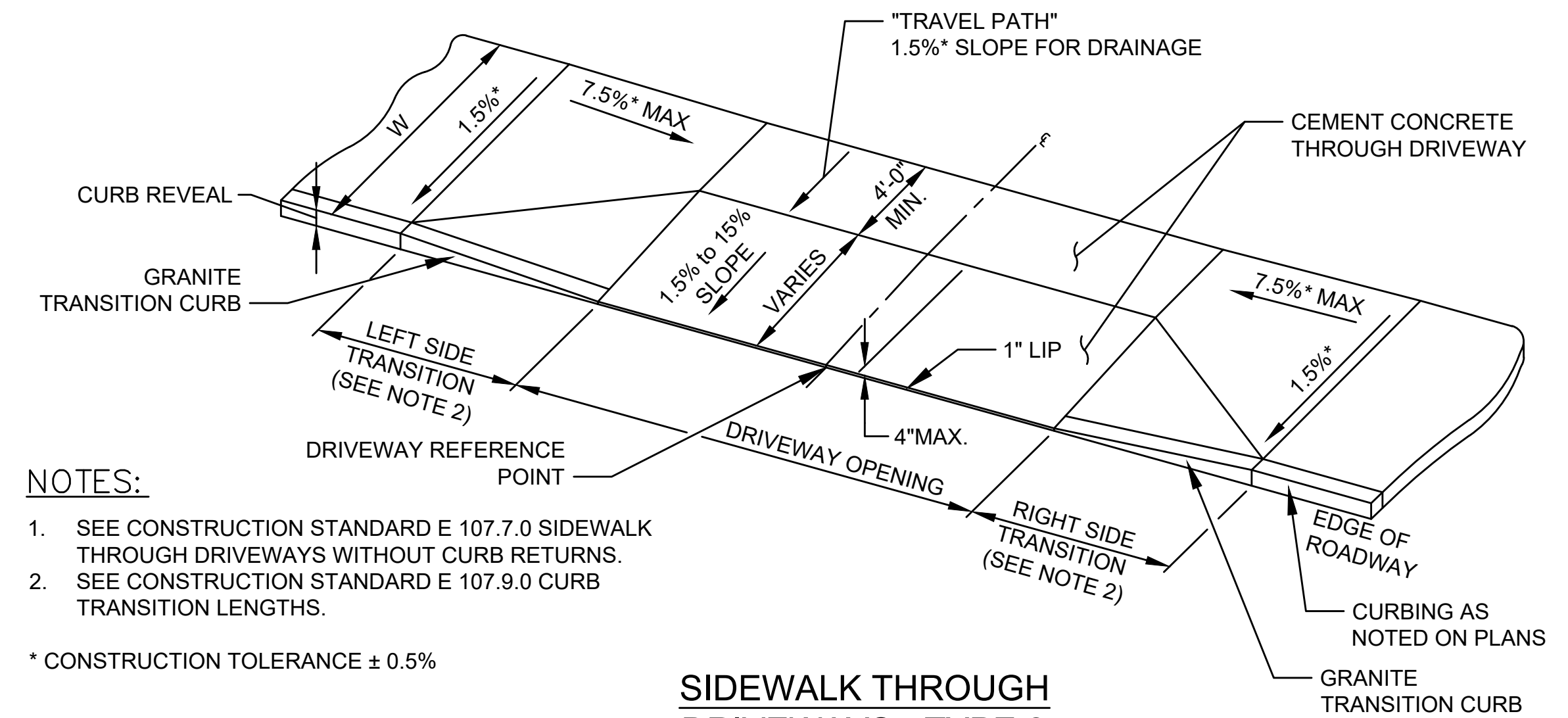
SIDEWALK THROUGH DRIVEWAYS TYPE 1
N.T.S.



SECTION
N.T.S.

DR#	DRIVEWAY REFERENCE POINT		WIDTH OF SIDEWALK (W) (INCLUDES CURB)	WIDTH OF TRAVEL PATH ACROSS OPENING (3'-0\"	GUTTER SLOPE AT REFERENCE POINT	LEFT SIDE TRANSITION			RIGHT SIDE TRANSITION		
	STATION/ROADWAY	OFFSET				RAMP TRANSITION	CURB TRANSITION	ROADWAY GUTTER GRADE	RAMP TRANSITION	CURB TRANSITION	ROADWAY GUTTER GRADE
DR1-1	STA 501+42.03/ADAMS ST	16.00' LT	7'-2"	4'-10"	-1.02%	6'-5"	4'-6"	1.07%	6'-6"	4'-6"	0.62%
DR1-2	STA 502+16.63/ADAMS ST	16.00' RT	6'-6"	4'-8"	-0.79%	6'-5"	4'-6"	-1.04%	6'-6"	4'-6"	-0.47%
DR1-3	STA 502+19.00/ADAMS ST	16.00' LT	6'-9"	4'-8"	-0.79%	6'-5"	4'-6"	-0.96%	6'-6"	4'-6"	0.81%
DR1-4	STA 502+89.33/ADAMS ST	16.00' LT	6'-11"	4'-5"	-1.07%	6'-5"	4'-6"	-1.10%	6'-6"	4'-6"	1.10%
DR1-5	STA 503+56.24/ADAMS ST	16.00' RT	6'-8"	5'-9"	-2.14%	6'-5"	4'-6"	2.65%	15'-0"	13'-0"	-1.59%
DR1-6	STA 504+73.49/ADAMS ST	16.00' LT	6'-2"	4'-6"	-4.55%	15'-0"	13'-0"	-4.44%	6'-6"	4'-6"	4.74%
DR1-7	STA 505+75.18/ADAMS ST	16.00' LT	6'-0"	4'-4"	-4.88%	15'-0"	13'-0"	-4.74%	6'-6"	4'-6"	4.84%
DR1-8	STA 506+03.98/ADAMS ST	16.00' RT	6'-5"	4'-6"	-4.84%	6'-6"	4'-6"	4.84%	15'-0"	13'-0"	-4.84%
DR1-9	STA 506+76.41/ADAMS ST	16.00' LT	6'-5"	4'-4"	-5.32%	15'-0"	13'-0"	-5.32%	6'-6"	4'-6"	5.32%
DR1-10	STA 507+65.01/ADAMS ST	16.00' RT	6'-9"	4'-9"	-5.32%	6'-6"	4'-6"	5.32%	15'-0"	13'-0"	-5.32%
DR1-11	SA 507+68.64/ADAMS ST	16.00' LT	6'-4"	4'-4"	-5.32%	15'-0"	13'-0"	-5.32%	6'-6"	4'-6"	5.32%
DR1-12	STA 508+32.40/ADAMS ST	16.00' RT	6'-3"	4'-3"	-6.59%	6'-6"	4'-6"	6.59%	15'-0"	13'-0"	-6.59%
DR1-13	STA 508+74.77/ADAMS ST	16.00' LT	6'-9"	4'-9"	-6.58%	15'-0"	13'-0"	-6.58%	6'-5"	4'-6"	6.58%
DR1-14	STA 515+88.07/ADAMS ST	17.27' LT	7'-6"	5'-3"	1.06%	6'-6"	4'-6"	0.59%	6'-6"	4'-6"	-0.72%
DR1-15	STA 516+92.80/ADAMS ST	16.88' LT	8'-3"	4'-0"	0.96%	6'-6"	4'-6"	0.96%	6'-6"	4'-6"	-0.96%
DR1-16	STA 519+95.45/ADAMS ST	16.00' RT	6'-0"	4'-0"	0.33%	6'-6"	4'-6"	0.36%	6'-6"	4'-6"	-0.37%
DR1-17	STA 521+09.79/ADAMS ST	16.00' RT	8'-0"	6'-0"	0.72%	6'-6"	4'-6"	-0.72%	6'-6"	4'-6"	0.72%

(-) REPRESENTS THE LOW SIDE TRANSITION

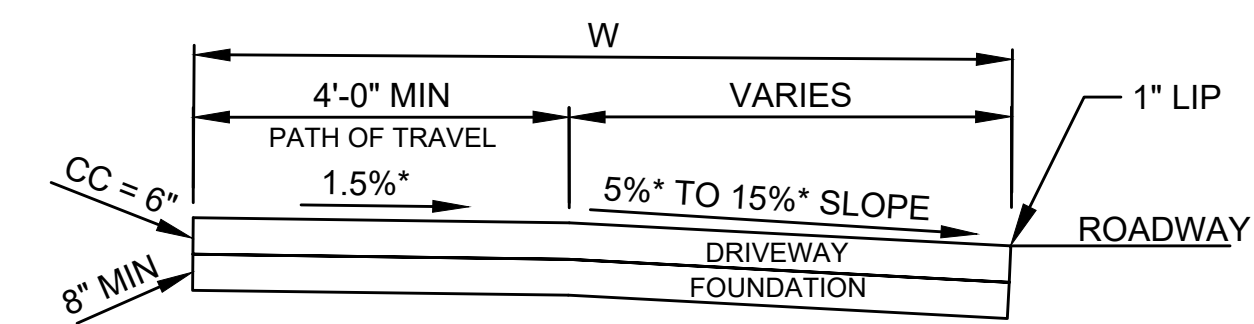


NOTES:

- SEE CONSTRUCTION STANDARD E 107.7.0 SIDEWALK THROUGH DRIVEWAYS WITHOUT CURB RETURNS.
- SEE CONSTRUCTION STANDARD E 107.9.0 CURB TRANSITION LENGTHS.

* CONSTRUCTION TOLERANCE $\pm 0.5\%$

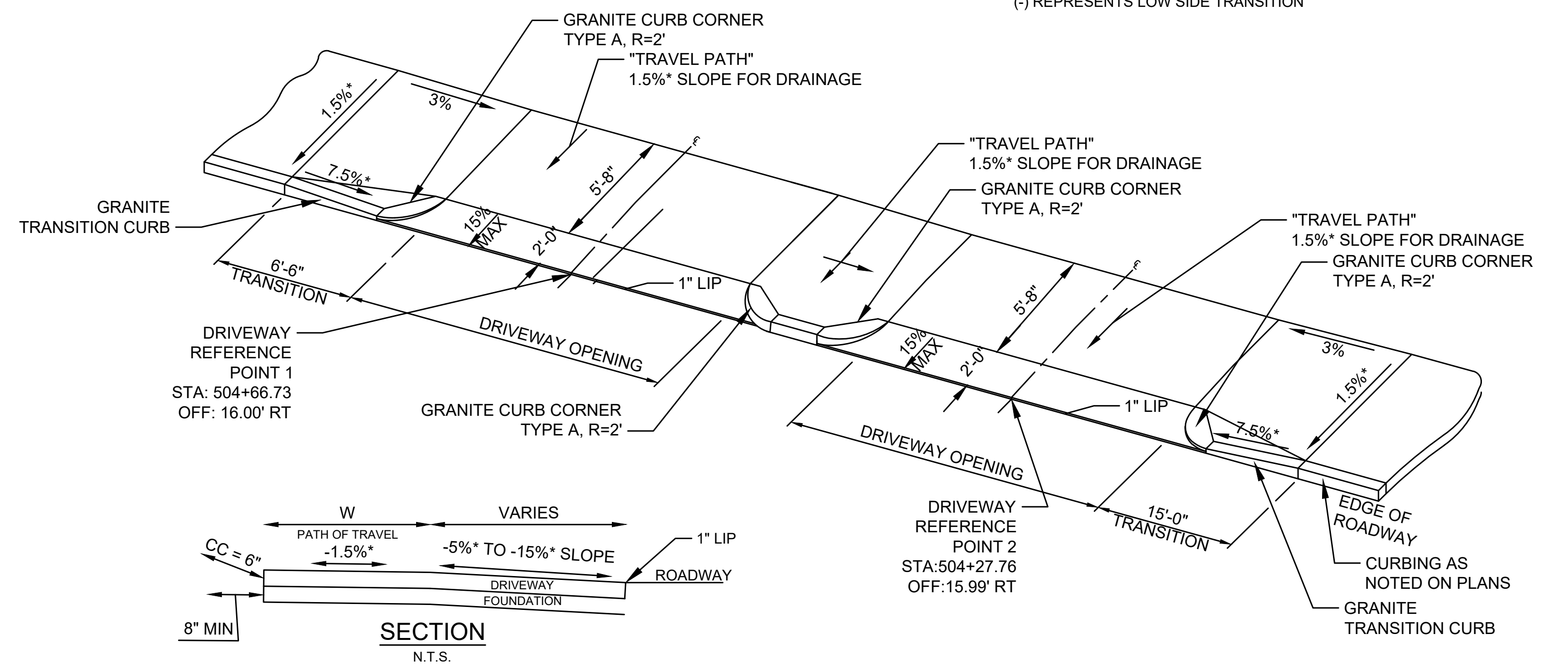
SIDEWALK THROUGH DRIVEWAYS - TYPE 2
N.T.S.



SECTION
N.T.S.

DR#	DRIVEWAY REFERENCE POINT		WIDTH OF SIDEWALK (W)	WIDTH OF TRAVEL PATH ACROSS OPENING (4'-0\"	LEFT SIDE TRANSITION			RIGHT SIDE TRANSITION		
	STATION/ROADWAY	OFFSET			LENGTH	ROADWAY GUTTER GRADE	CURB REVEAL	LENGTH	ROADWAY GUTTER GRADE	CURB REVEAL
DR2-1	STA 516+13.03/ADAMS ST	16.00' RT	6'-11"	5'-0"	6'-6"	-1.00%	6"	6'-6"	0.61%	6"

(-) REPRESENTS LOW SIDE TRANSITION



SIDEWALK THROUGH DRIVEWAYS - TYPE 3
N.T.S.

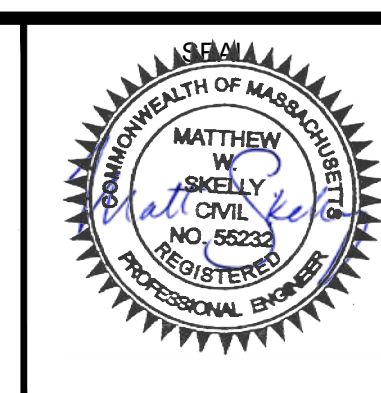
NOTES:

- SEE CONSTRUCTION STANDARD E 107.8.0
- * CONSTRUCTION TOLERANCE $\pm 0.5\%$
- ** SIDEWALK ENDS
- *** SEE CONSTRUCTION STANDARD E 107.9.0
- **** MAX. 4" HEIGHT OF DR. RAMP FOR WIDTHS OF RAMPS FROM 2'-4"

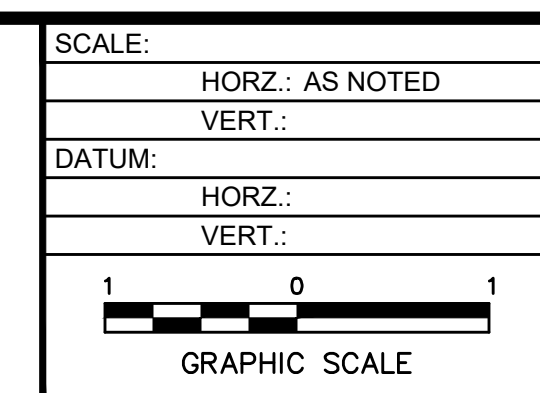
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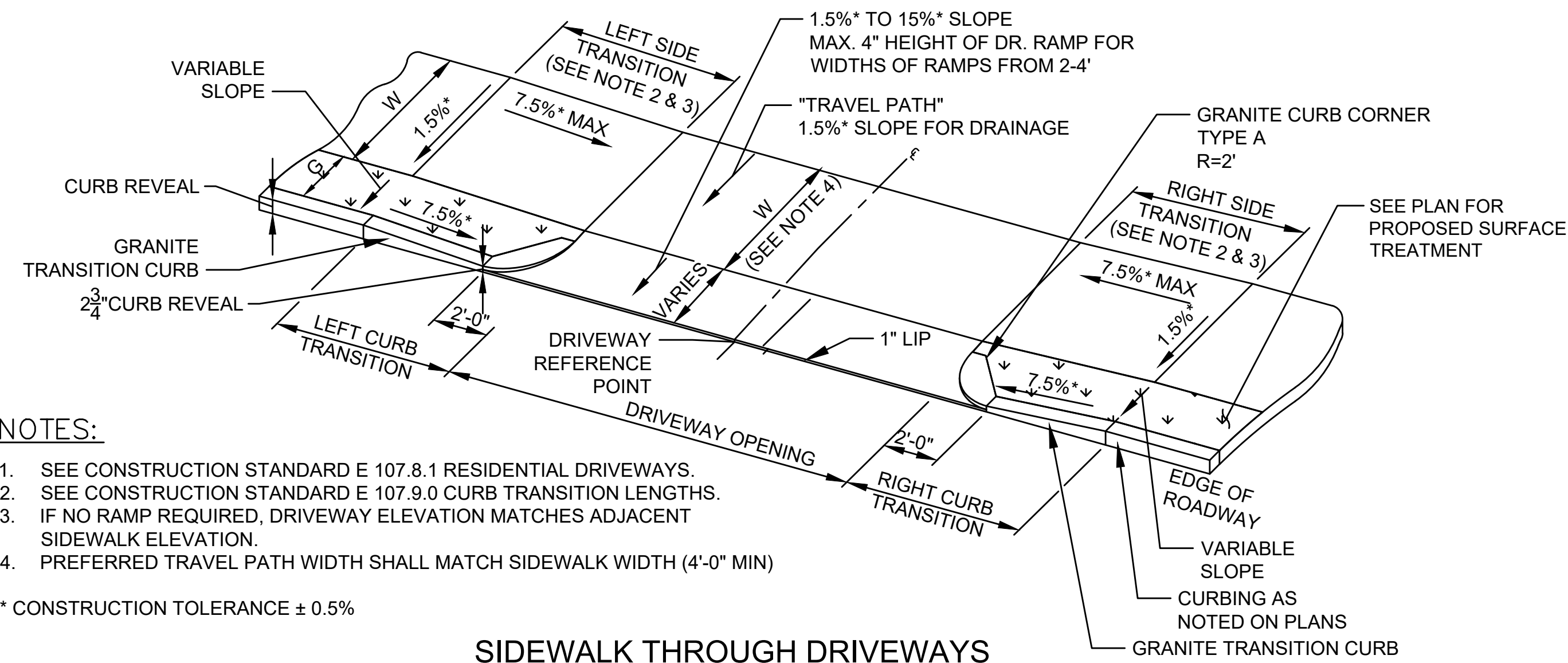
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CITY OF QUINCY
CONSTRUCTION DETAILS
ADAMS STREET EAST
QUINCY MASSACHUSETTS

PROJ. No.: 20190211.T40
DATE: SEPTEMBER 2024
CR-502

NOTES:

- RAMP GRADES SHALL NOT EXCEED 7.5%
- *CONSTRUCTION TOLERANCE ±0.5%
- ROADWAY GUTTER GRADES WERE APPROXIMATED FROM ELEVATION DATA PROVIDED IN SURVEY FILE. CONTRACTOR SHALL ADJUST RAMP TRANSITION LENGTHS AS NEEDED TO NOT EXCEED 7.5%*



- NOTES:**
- SEE CONSTRUCTION STANDARD E 107.8.1 RESIDENTIAL DRIVEWAYS.
 - SEE CONSTRUCTION STANDARD E 107.9.0 CURB TRANSITION LENGTHS.
 - IF NO RAMP REQUIRED, DRIVEWAY ELEVATION MATCHES ADJACENT SIDEWALK ELEVATION.
 - PREFERRED TRAVEL PATH WIDTH SHALL MATCH SIDEWALK WIDTH (4'-0" MIN)

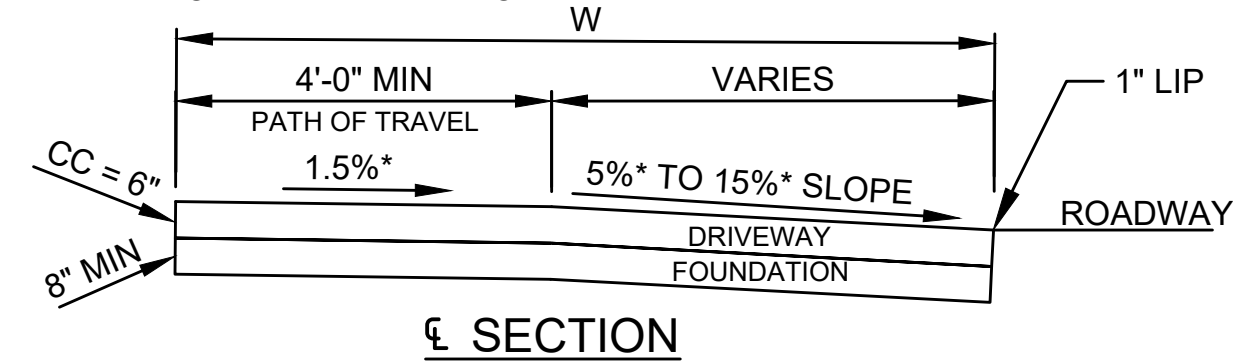
* CONSTRUCTION TOLERANCE ± 0.5%

SIDEWALK THROUGH DRIVEWAYS WITH BUFFER STRIP - TYPE 4
N.T.S.

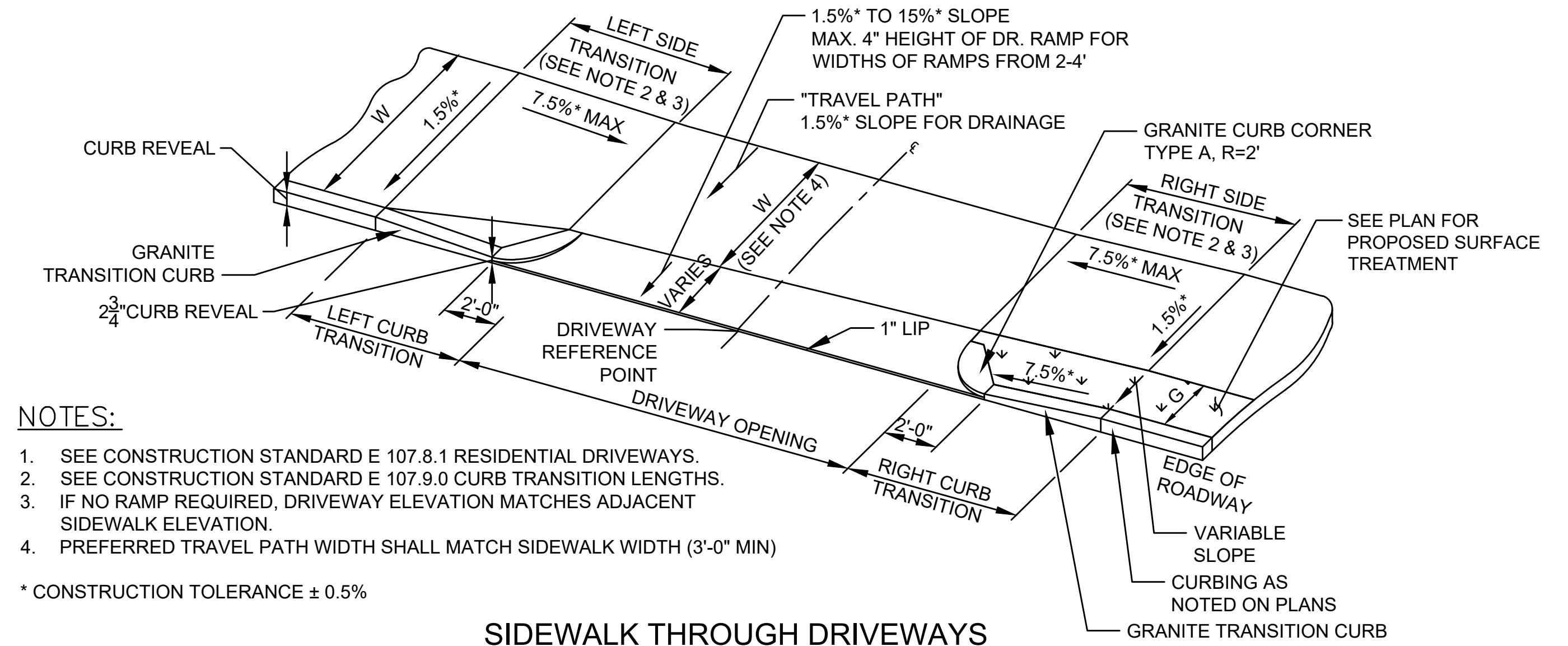
(-) REPRESENTS THE LOW SIDE TRANSITION

LEGEND:

W = SIDEWALK WIDTH
CC = CEMENT CONCRETE
G = WIDTH OF GRASS BUFFER



DR#	DR REFERENCE POINT		WIDTH OF SIDEWALK (W)	WIDTH OF BUFFER STRIP (G)	WIDTH OF TRAVEL PATH ACROSS OPENING (3'-0" MIN.)	LEFT SIDE TRANSITION				RIGHT SIDE TRANSITION			
	STATION/ROADWAY	OFFSET				CURB LENGTH	ROADWAY GUTTER GRADE	CURB REVEAL	RAMP LENGTH	CURB LENGTH	ROADWAY GUTTER GRADE	CURB REVEAL	RAMP LENGTH
DR4-1	STA 511+67.63/ADAMS ST	16.00' RT	5'-6"	3'-0"	7'-6"	6'-5"	2.20%	6"	6'-6"	15'-0"	-3.15%	6"	15'-0"
DR4-2	STA 518+38.20/ADAMS ST	16.00' RT	5'-0"	5'-8"	5'-0"	6'-6"	-0.53%	6"	6'-6"	6'-6"	0.68%	6"	6'-6"



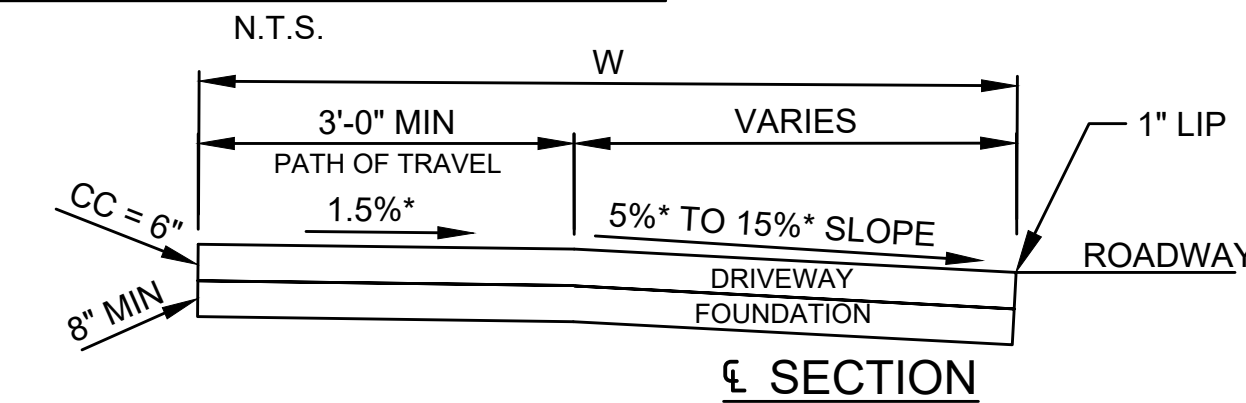
- NOTES:**
- SEE CONSTRUCTION STANDARD E 107.8.1 RESIDENTIAL DRIVEWAYS.
 - SEE CONSTRUCTION STANDARD E 107.9.0 CURB TRANSITION LENGTHS.
 - IF NO RAMP REQUIRED, DRIVEWAY ELEVATION MATCHES ADJACENT SIDEWALK ELEVATION.
 - PREFERRED TRAVEL PATH WIDTH SHALL MATCH SIDEWALK WIDTH (3'-0" MIN)

* CONSTRUCTION TOLERANCE ± 0.5%

SIDEWALK THROUGH DRIVEWAYS WITH BUFFER STRIP - TYPE 5

LEGEND:

W = SIDEWALK WIDTH
CC = CEMENT CONCRETE
HMA = HOT MIX ASPHALT
G = WIDTH OF GRASS BUFFER



DR#	DR REFERENCE POINT		LEFT WIDTH OF SIDEWALK (W)	RIGHT WIDTH OF SIDEWALK (W)	WIDTH OF BUFFER STRIP (G)	WIDTH OF TRAVEL PATH ACROSS OPENING (3'-0" MIN.)	LEFT SIDE TRANSITION				RIGHT SIDE TRANSITION			
	STATION/ROADWAY	OFFSET					CURB LENGTH	ROADWAY GUTTER GRADE	CURB REVEAL	RAMP LENGTH	CURB LENGTH	ROADWAY GUTTER GRADE	CURB REVEAL	RAMP LENGTH
DR5-1	STA 515+62.70/ADAMS ST	16.00' RT	7'-6"	5'-6"	3'-0"	16'-0"	6'-6"	-0.61%	6"	6'-6"	6'-6"	0.61%	6"	6'-6"

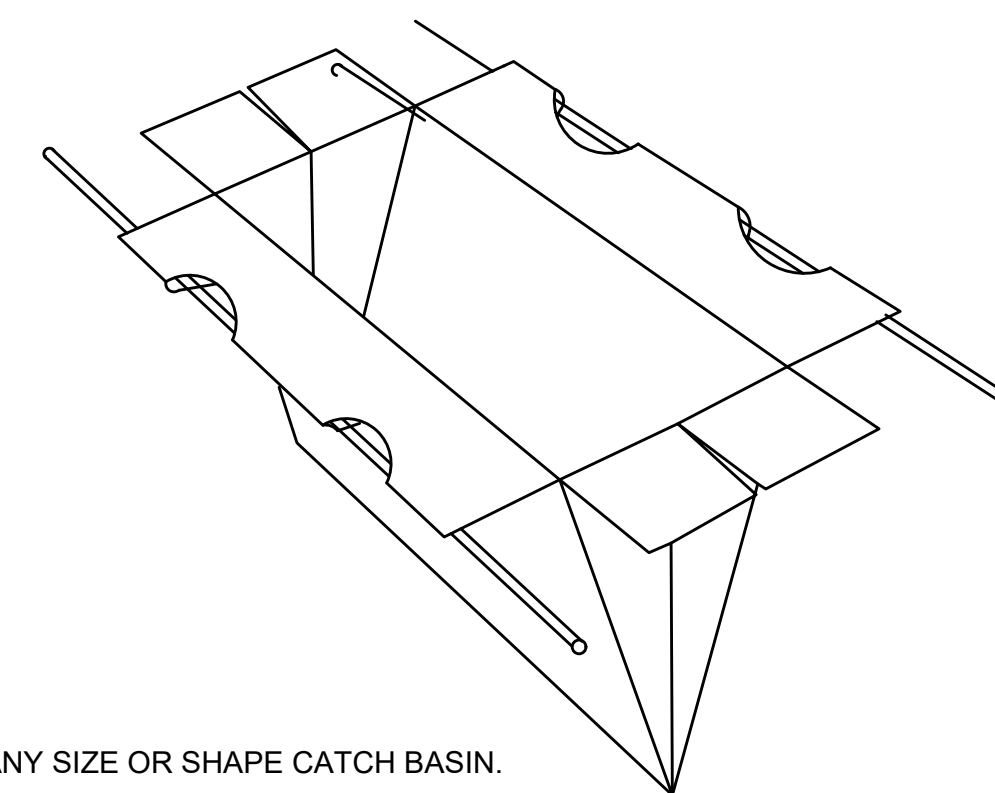
(-) REPRESENTS THE LOW SIDE TRANSITION

NOTES:

- SIZED TO FIT ANY SIZE OR SHAPE CATCH BASIN.
- ALL SEAMS DOUBLE STITCHED.
- PERMEABILITY - REGULAR FLOW SILTSACK - 40 gal./min./sq. ft.
HI - FLOW SILTSACK - 200 gal./min./sq. ft.

SILT SACK

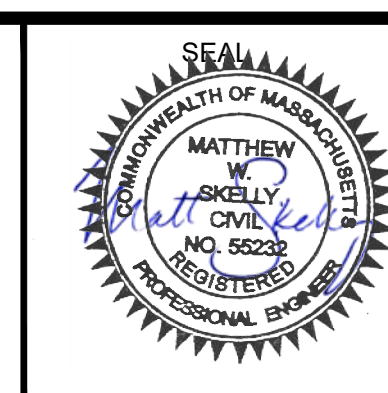
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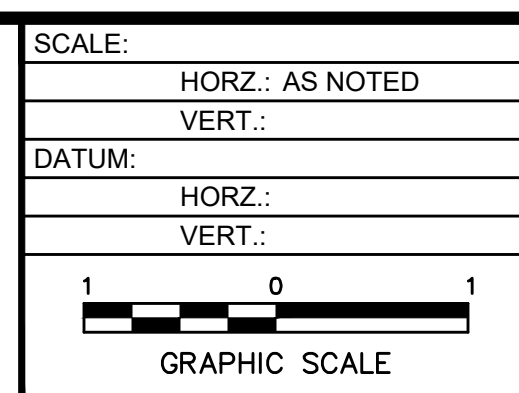
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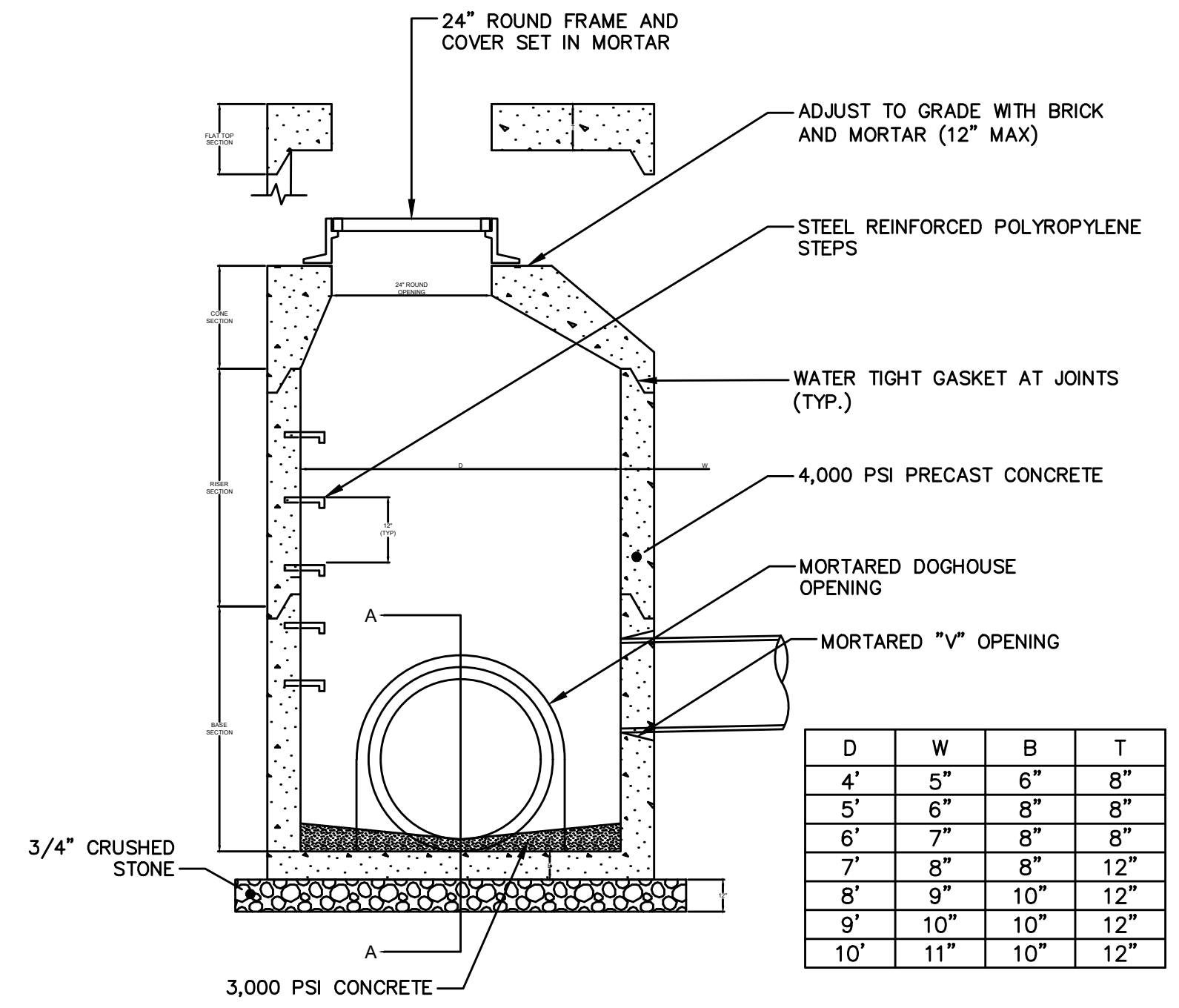
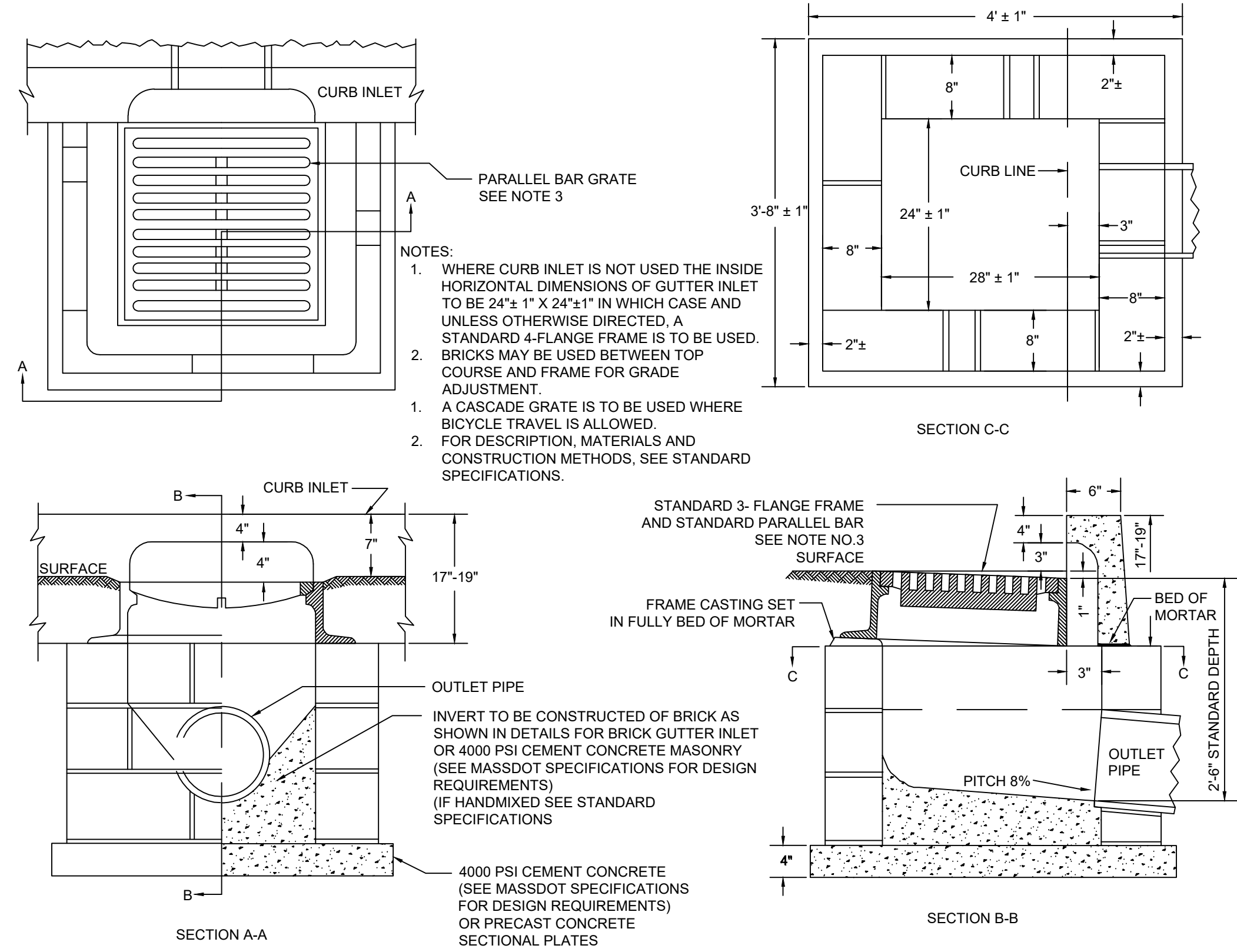
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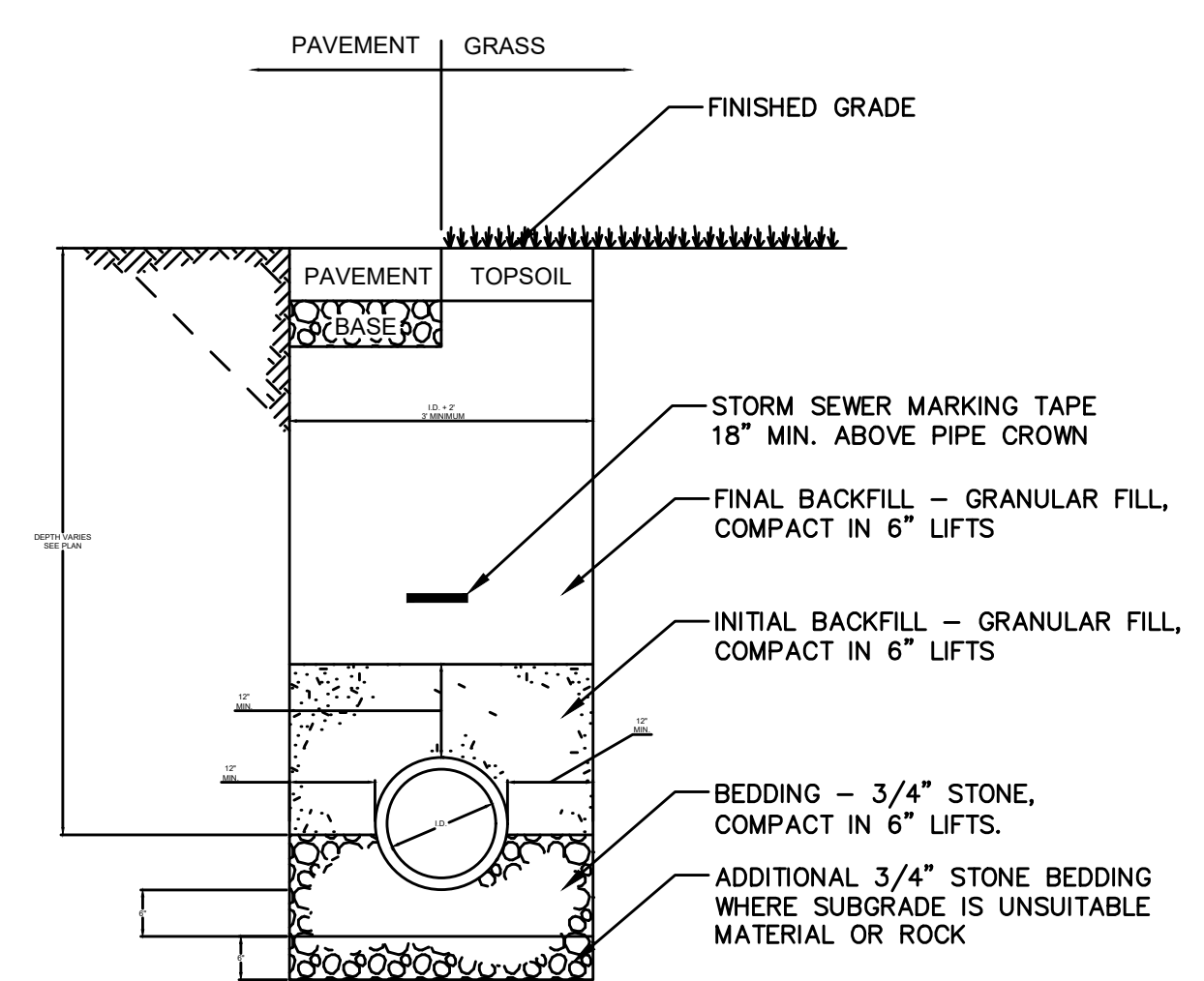
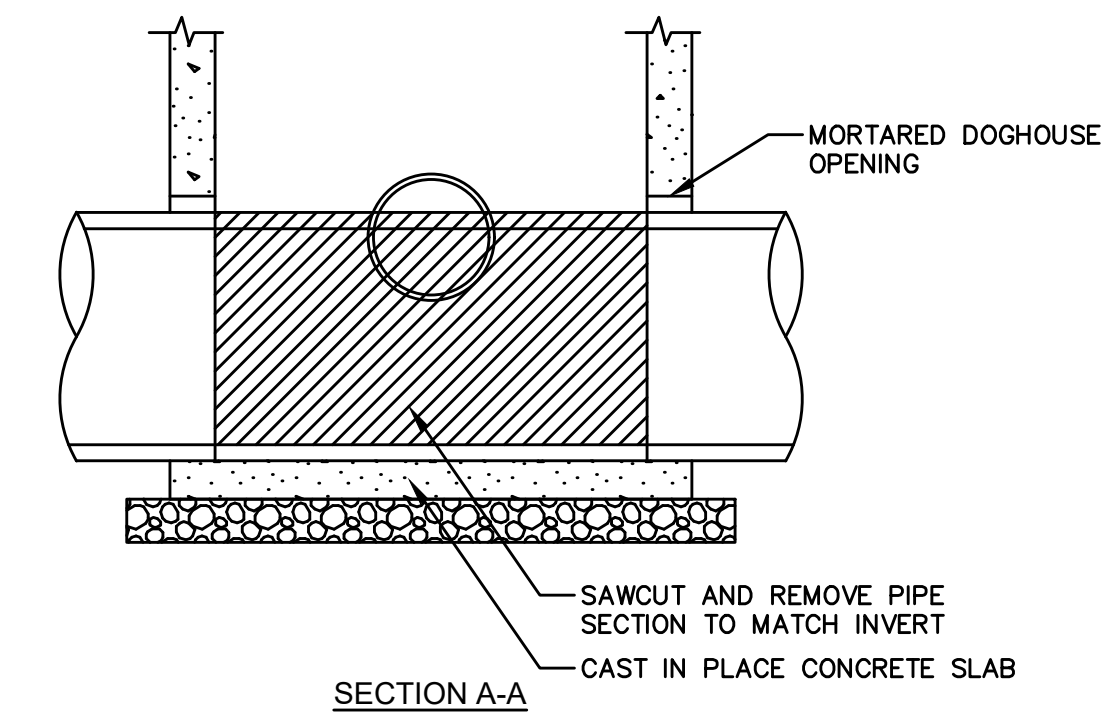
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CONSTRUCTION DETAILS
ADAMS STREET EAST
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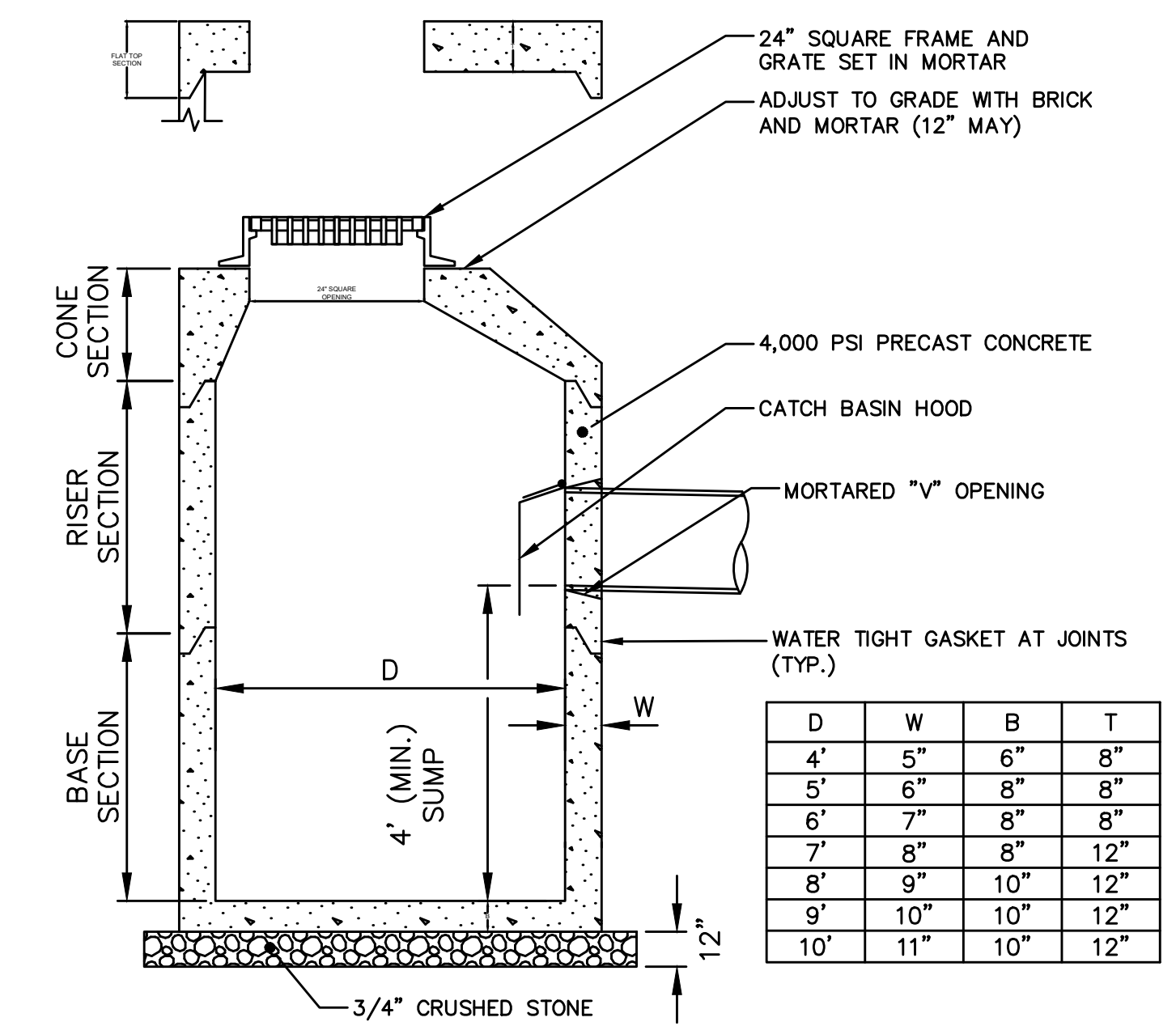
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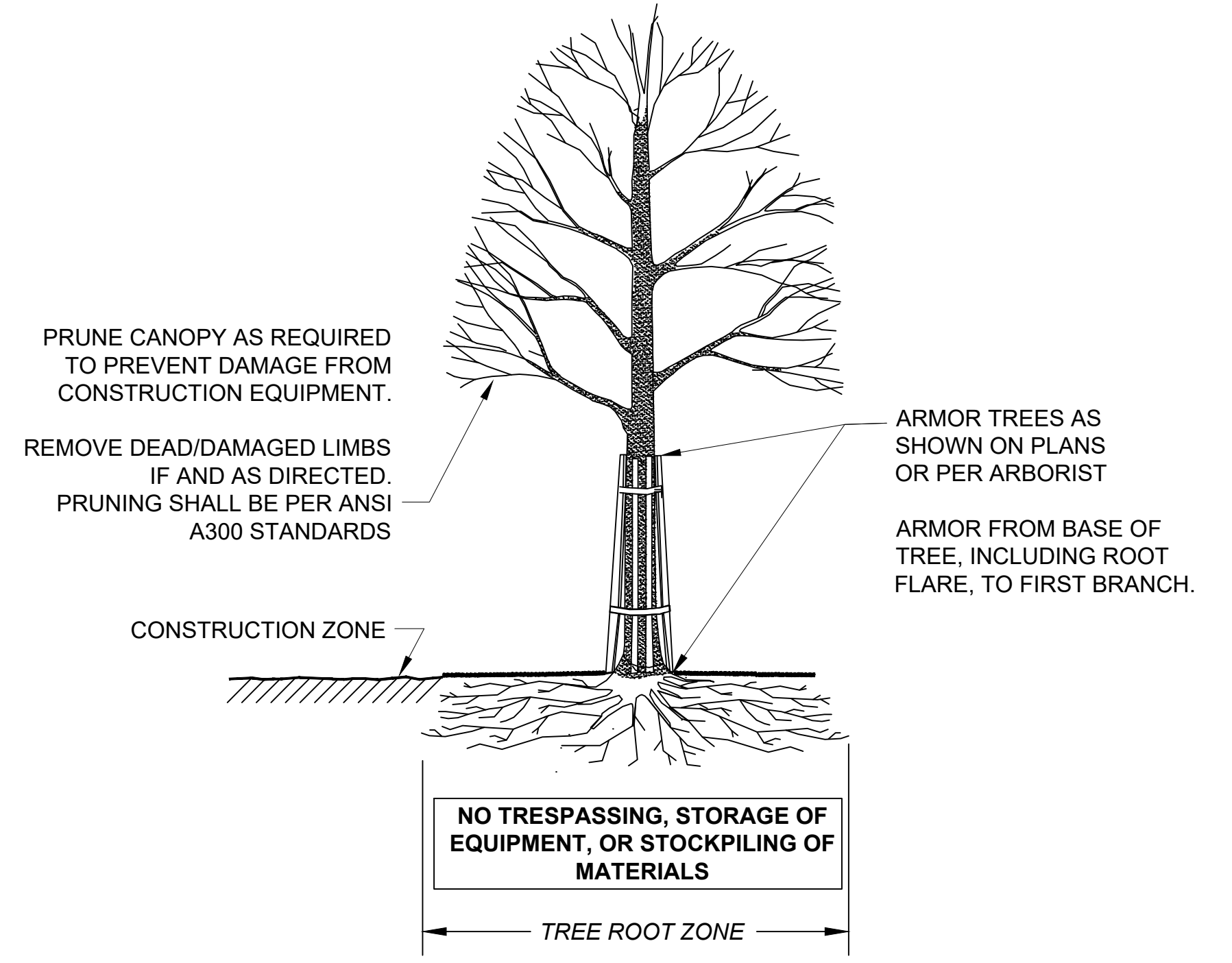
STORM DRAINAGE TRENCH
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- NOTES**
- UNLESS OTHERWISE NOTED, INTERIOR DIAMETER (D) SHALL BE 4 FEET.
 - FRAME AND GRATE SHALL CONFORM TO MASSACHUSETTS DEPARTMENT OF TRANSPORTATION CONSTRUCTION STANDARD DETAILS:
 - CATCH BASINS
 - E204.2.0 WHERE ADJACENT TO CURBS.
 - E201.6.0 AND E201.10.0 IN OTHER AREAS.
 - MANHOLES
 - E202.6.0 AND E202.8.0.
 - MANHOLE COVERS SHALL HAVE "DRAIN" CAST INTO THE COVER.
 - CATCH BASIN HOODS SHALL CONFORM TO MASSACHUSETTS DEPARTMENT OF TRANSPORTATION CONSTRUCTION STANDARD DETAILS E201.12.0.
 - STEPS SHALL CONFORM TO ASTM C478.
 - STRUCTURES SHALL BE DESIGNED FOR HS-20 LOADING.
 - REINFORCING STEEL SHALL CONFORM TO ASTM A185.
 - WATERTIGHT GASKET JOINTS SHALL BE BUTYL RESIN CONFORMING TO ASTM C990.
 - FLAT TOP SECTIONS ARE TO BE USED FOR STRUCTURE WITH AN INTERIOR DIAMETER (D) OF 6 FEET OR GREATER AND WHEN REQUIRED DUE TO PIPE COVER.

STORM STRUCTURE NOTES
NOT TO SCALE



PRECAST CONCRETE CATCH BASIN
SCALE: NOT TO SCALE



SECTION - TRUNK ARMORING & PRUNING
TREE PROTECTION - TRUNK

TREE PROTECTION - ARMORING & PRUNING
SCALE: N.T.S.

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CR-504

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ABBREVIATIONS	
3R	NEMA 3R RATING
A	AMPERES
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
C/B	CIRCUIT BREAKER
CAT	CATALOG or CATAGORY
CKT	CIRCUIT
CU	COPPER
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
G.GND	GROUND
GF1	GROUND FAULT INTERRUPTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
KVA	KILOVOLT-AMPERES
KW	KILOWATTS
LPC	LIGHTING POWER CABINET
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
NEC	NATIONAL ELECTRICAL CODE (MASS)
NGRID	NATIONAL GRID
NTS	NOT TO SCALE
Ø	PHASE
P	POLE
PC	PHOTO-CELL
PVC	POLYVINYL CHLORIDE
QFD	QUINCY FIRE DEPARTMENT
REC	RECPTACLE
TEL	TELEPHONE
TPAL	TRAFFIC PARKING AND LIGHTING
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
V	VOLT
VIF	VERIFY IN FIELD
W	WATT
WP	WEATHERPROOF
XFMR or TX	TRANSFORMER

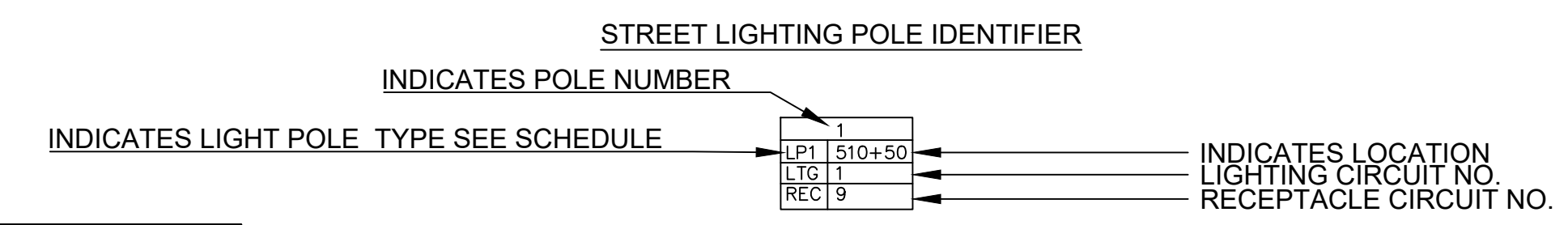
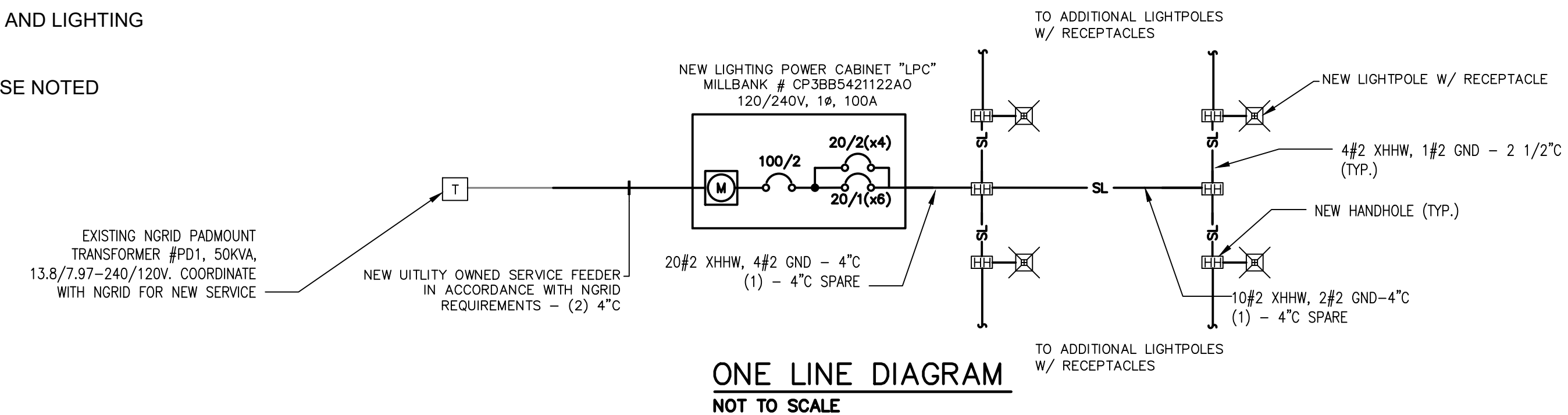
LEGEND	
--- OH ---	EXISTING OVERHEAD ELECTRIC WIRING TO BE DISCONNECTED AND REMOVED
— SEC —	NEW UNDERGROUND SECONDARY ELECTRICAL SERVICE (2) 4"C
— SL —	NEW UNDERGROUND STREET LIGHTING (2) - 2 1/2"C, (1) SPARE, (1) ACTIVE WITH 2#2 240V LIGHTING CIRCUIT, 2#2 120V RECEPTACLE CIRCUIT AND 1#2 COMMON GROUND. TYPICAL UNLESS OTHERWISE NOTED.
— FA —	NEW UNDERGROUND FIRE ALARM (4) - 4"C, (3) SPARE, (1) ACTIVE WITH (1) 12C# 14 20-1 IMSA CABLE, LOOP CABLE IN EACH MANHOLE ALL FINAL CONNECTIONS BY QFD
○ #51	EXISTING CITY OWNED STREET LIGHTING POLE TO BE DISCONNECTED AND REMOVED. APPROXIMATELY 30' POLE, 8' ARM AND LED COBRA HEAD FIXTURE. REMOVE CONDUCTORS AND ABANDON RACEWAY.
◀	EXISTING CITY OWNED POLE MOUNTED LED FLOOD LIGHT TO BE DISCONNECTED AND REMOVED.
⌂	FIRE ALARM CALL BOX. EXISTING TO BE DISCONNECTED AND REMOVED BY QFD. NEW SHALL BE ACNE-10 BY ALLOY CASTINGS WITH M34-56 MASTER BOX BY RB ALLEN. INSTALL NEW CALL BOX ON NEW FOUNDATION FINAL CONNECTIONS BY QFD
⊙	EXISTING ELECTRICAL (NGRID) UTILITY POLE
⊙	EXISTING ELECTRICAL (NGRID) MANHOLE
⊙	EXISTING TELEPHONE MANHOLE
⊙	NEW STREET LIGHT FURNISHED BY CITY INSTALLED BY CONTRACTOR. REFER TO LUMINAIRES SCHEDULE, THIS SHEET, FOR INFORMATION.
HH	NEW HANDHOLE SEE DRAWING E-501, DETAIL 5 FOR INFORMATION.
○	NEW FIRE ALARM 4X4X4 MANHOLE, SEE DRAWING E-501, DETAIL 6

DEMOLITION NOTES:

- EXISTING ELECTRICAL EQUIPMENT INDICATED ON PLANS HAS BEEN DERIVED FROM THE BEST AVAILABLE EXISTING DRAWINGS AND/OR VISUAL FIELD OBSERVATION. ELECTRICAL CONTRACTOR MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION AS REQUIRED. ANY EQUIPMENT THAT IS NOT IDENTIFIED AND CONFLICTS WITH NEW CONSTRUCTION SHALL NOT BE DISCONNECTED AND SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER / ENGINEER FOR DISPOSITION.
- WHERE WIRING IS TO BE REMOVED, RELOCATED OR RECONNECTED, THE CONTRACTOR SHALL TAKE PRECAUTIONS AND ASSUME THAT THE CIRCUIT MAY BE ACTIVE. CONTRACTOR SHALL TEST, VERIFY AND SECURE ALL CIRCUITS BEFORE REMOVAL. UNKNOWN WIRING SHALL BE IDENTIFIED. ANY WIRING TO REMAIN SHALL BE VERIFIED BY THE CONTRACTOR, TAGGED AND IDENTIFIED AS REQUIRED.
- EXISTING ELECTRICAL EQUIPMENT REMOVED SHALL BE BROKEN DOWN INTO MANAGEABLE LENGTHS FOR STORAGE, HANDLING AND DISPOSAL. EQUIPMENT REMOVED OF MATERIAL VALUE SHALL BE TURNED OVER TO THE OWNER FOR FINAL DISPOSITION.
- THE DE-ENERGIZATION OF THE EXISTING LIGHTING SHALL BE COORDINATED WITH NGRID AND TPAL. CONFIRM ALL CIRCUITS ARE DE-ENERGIZED PRIOR TO EXCAVATION OF EXISTING ROADWAY AND SIDEWALKS.
- COORDINATE THE REMOVAL OF THE FIRE ALARM STREET BOXES WITH THE CITY OF QUINCY FIRE DEPARTMENT (QFD).
- ALL EXISTING LIGHT FIXTURES, POLES AND BRACKETS ARMS SHALL BE TURNED OVER TO CITY'S TPAL DIVISION FOR THEIR DISPOSITION.

GENERAL NOTES

- ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL AND MASSACHUSETTS ELECTRICAL CODES AND OTHER STATE OF MASSACHUSETTS REQUIREMENTS AND THE NATIONAL ELECTRICAL SAFETY CODE C2.
- ALL EQUIPMENT AND MATERIALS SHALL BE UL LISTED FOR ITS INTENDED PURPOSE.
- WIRE SIZES SHALL BE BASED ON AMERICAN WIRE GAUGE AS APPLIED TO COPPER CONDUCTORS. THE CONDUCTOR INSULATION SHALL BE XHHW.
- THE LOCATIONS OF EXISTING SUBSURFACE UTILITIES SHOWN ON THE PLANS WERE COMPILED FROM AVAILABLE RECORD DRAWINGS AND ARE NOT WARRANTED TO BE CORRECT. THE LOCATIONS ARE APPROXIMATE ONLY AND IN SOME CASES MAY BE INCOMPLETE. THE CONTRACTOR SHALL FIELD LOCATE ALL EXISTING SUBSURFACE UTILITIES PRIOR TO ANY EXCAVATION. CONFLICTS WITH CONSTRUCTION DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER/ENGINEER FOR DISPOSITION.
- 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.
- DO NOT EXCEED CABLE MANUFACTURER'S RECOMMENDED TENSION LIMITS WHEN PULLING CABLE.
- ALL SPARE AND EMPTY CONDUITS SHALL BE STUBBED INTO PADS OR MANHOLES AND CAPPED ON BOTH ENDS TO PREVENT INFILTRATION. PROVIDE NYLON PULL IN LINE IN ALL SPARE CONDUITS. CONDUITS SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE NOTED.
- CUT-OVERS AND ANY INTERRUPTION TO ELECTRICAL SERVICE SHALL BE SCHEDULED WITH THE OWNER.
- WHEN PREPARING TO INSTALL FOUNDATIONS, THE CONTRACTOR SHALL CAREFULLY MARK THE PROPOSED LOCATION OF THE CONCRETE FOUNDATION AND THEN SHALL DETERMINE IF ANY UTILITIES, OR UNDERGROUND OR OVERHEAD OBSTRUCTION WILL FOR THE CONDUIT RUNS TO THE FOUNDATION. IF SUCH AN OBSTRUCTION IS EVIDENT, THE CONTRACTOR SHALL REQUEST PERMISSION FROM THE ENGINEER TO MORE OR ADJUST THE LOCATION OF THE FOUNDATION.
- THE ELECTRICAL SERVICE TO THE SERVICE PEDESTAL WILL BE PROVIDED BY NGRID. THE CONTRACTOR SHALL COORDINATE WITH NGRID FOR SERVICE CONNECTION. THE CONTRACTOR IS RESPONSIBLE FOR ALL ELECTRIC SERVICE CONNECTIONS AND RELATED FEES FROM NGRID. THE CONTRACTOR SHALL PROVIDE CONDUIT TO NGRID DETAILS AND SPECIFICATIONS.
- SLOPE ALL CONDUITS TOWARDS HANDHOLES.
- ALL CONDUIT BELOW ROADWAY SHALL BE CONCRETE ENCASED FOR A MINIMUM OF 2'-0" BEYOND EDGE OF PAVEMENT.
- PROVIDE BREAKAWAY IN-LINE FUSE HOLDERS FOR ALL CONDUCTORS AT THE POLE BASE. PROVIDE "DUMMY" FUSE FOR NEUTRAL CONDUCTORS.
- PROVIDE SUBMERSIBLE INSULATED STEEL LIGHTING CONNECTORS FOR ALL SPLICES IN HANDHOLES.
- CONTRACTOR SHALL PROVIDE A SET OF FINAL AS-BUILT ELECTRICAL DRAWINGS TO BE LOCATED IN THE STREET LIGHTING POWER CABINET.
- THE CONTRACTOR SHALL FURNISH AND INSTALL CIRCUIT IDENTIFICATION TAGS ON ALL CONDUCTORS IN ALL HANDHOLES AND MANHOLES. IDENTIFICATION TAGS SHALL BE PERMANENT, WATERPROOF AND NON-METALLIC.
- THE CONTRACTOR SHALL LABEL THE INSIDE OF THE LIGHT POLE ACCESS COVER WITH THE POLE NUMBER LIGHTING CIRCUIT AND RECEPTACLE CIRCUIT INDELEBIL INK.
- COORDINATE FIRE ALARM WITH QUINCY FIRE DEPARTMENT SUPERINTENT.
- NATIONAL GRID WORK ORDER #31033995 HAS BEEN GENERATED FOR THE PROPOSED ELECTRICAL IMPROVEMENTS UNDER THIS CONTRACT. PAYMENT FOR CONTRACTOR COORDINATION WITH NATIONAL GRID SHALL BE INCLUDED UNDER BID ITEM 813.35. NO SEPARATE PAYMENT SHALL BE MADE. CHANGES TO PROPOSED CONDUIT ALIGNMENTS AND STRUCTURE LOCATIONS MAY BE REQUIRED BY NATIONAL GRID



LUMINAIRE SCHEDULE

TAG	SYMBOL	DESCRIPTION	MANUFACTURER & CATALOG NUMBER	VOLTS	WATTS	LUMENS	TEMP	CRI	DISTR'N TYPE	NOTES
LP1	⊙	COLONIAL STYLE POST TOP	PUDSEY DIAMOND	240	41	5,542	3000K	70	III	
LP2	⊙	COLONIAL STYLE POST TOP	PUDSEY DIAMOND	240	79	10,735	3000K	70	III	

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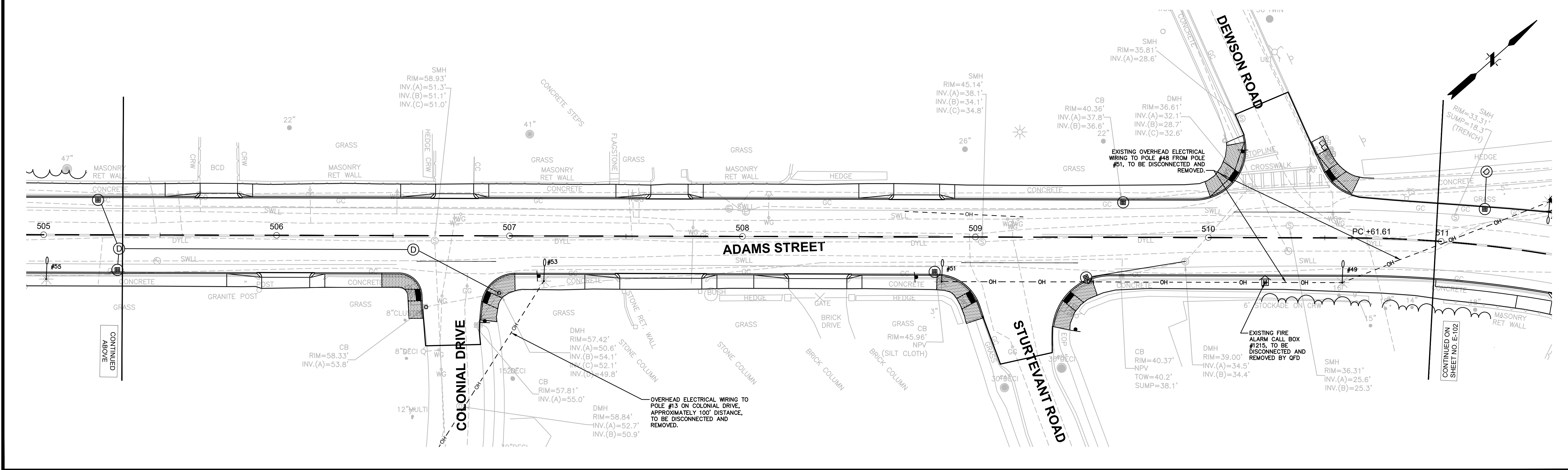
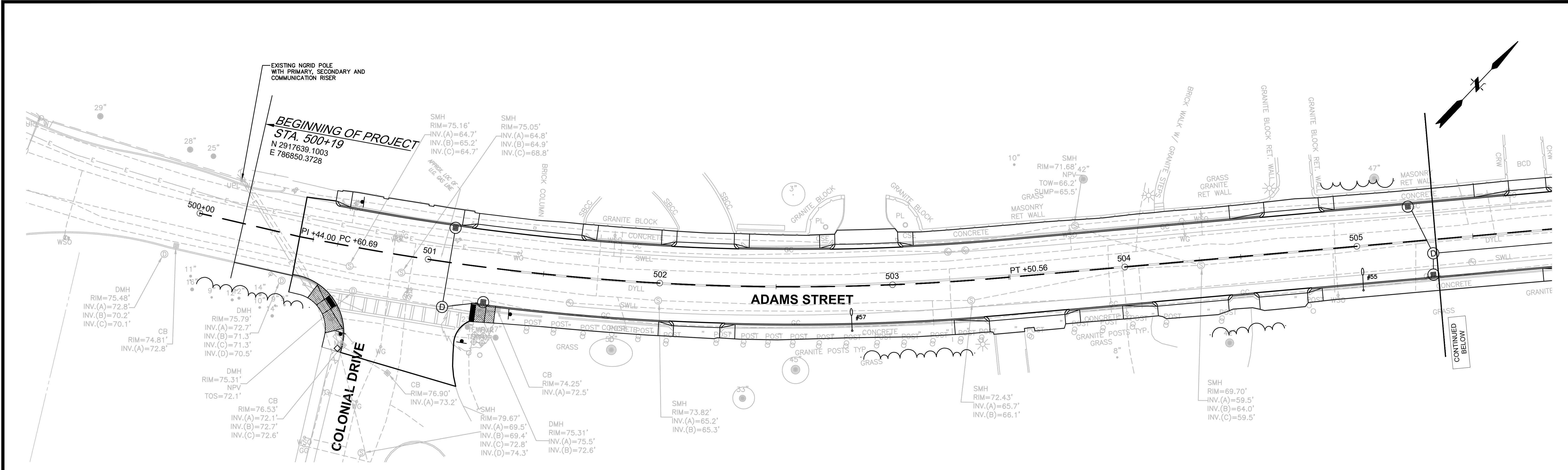
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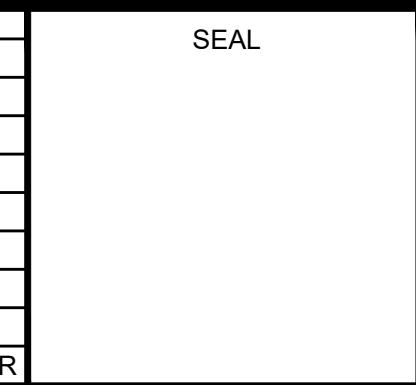
CITY OF QUINCY
 ELECTRICAL GENERAL NOTES AND LEGEND
 ADAMS STREET EAST
 QUINCY MASSACHUSETTS

PROJ. No.: 20190211.T40
 DATE: SEPTEMBER 2024
E-001

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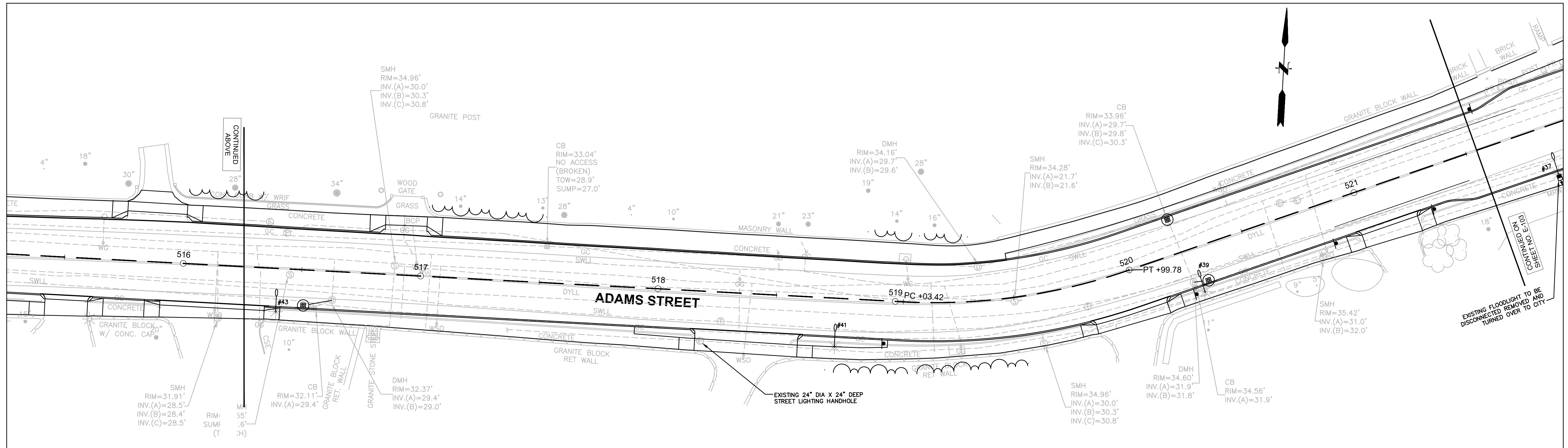
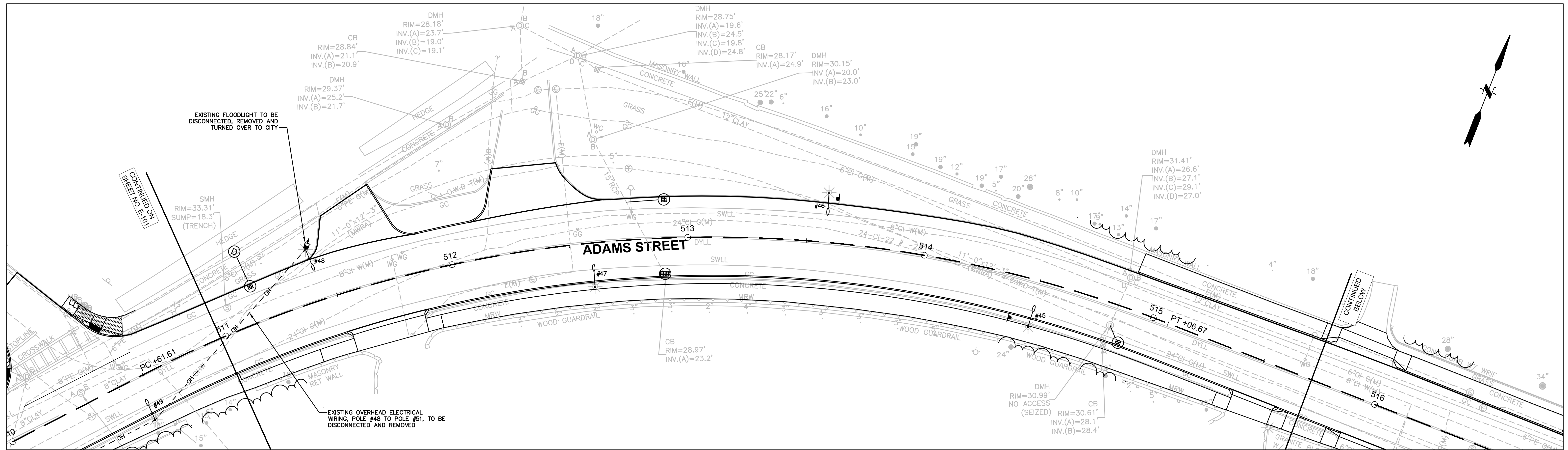
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CITY OF QUINCY
 ELECTRICAL DEMOLITION PLAN
 ADAMS STREET EAST
 QUINCY MASSACHUSETTS

PROJ. No.: 20190211.T40
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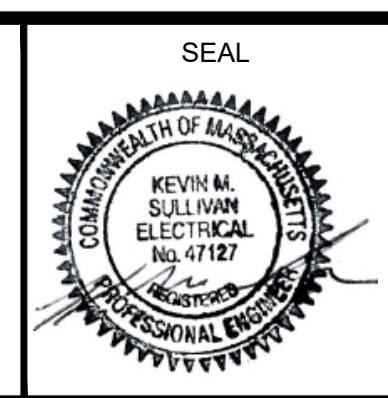
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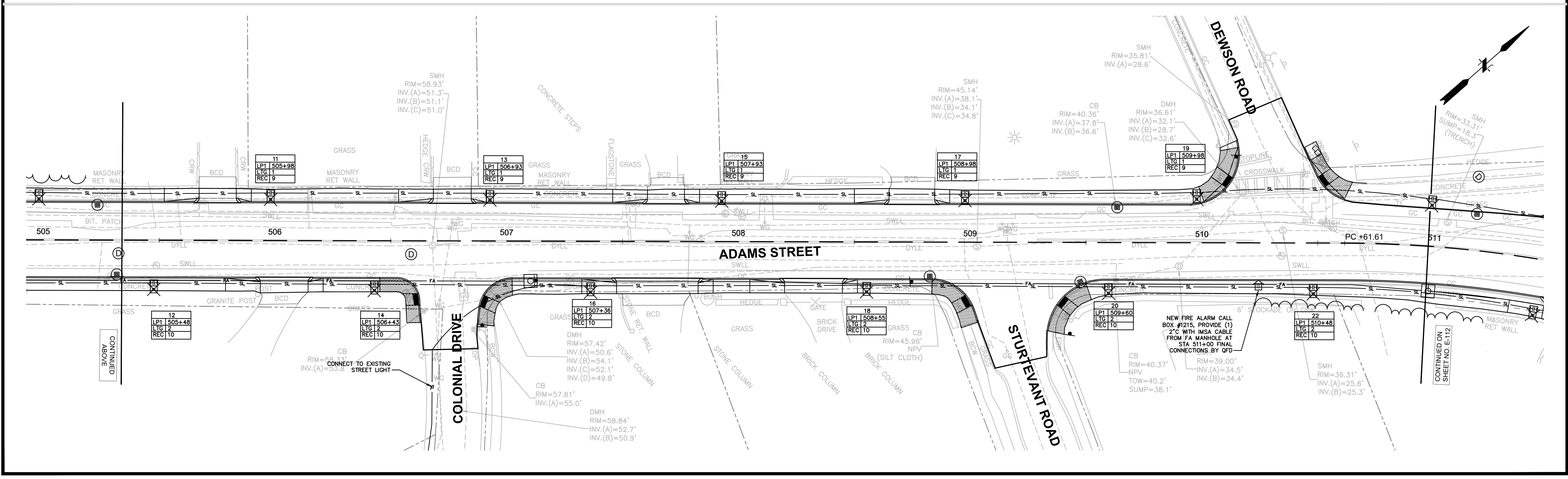
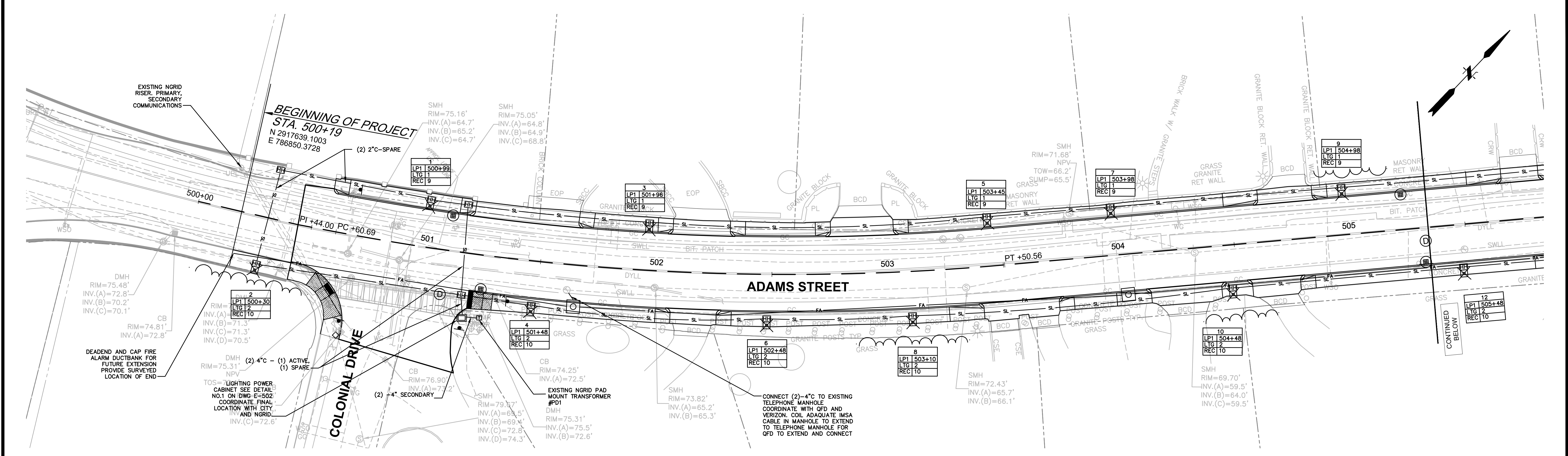
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CITY OF QUINCY
 ELECTRICAL DEMOLITION PLAN
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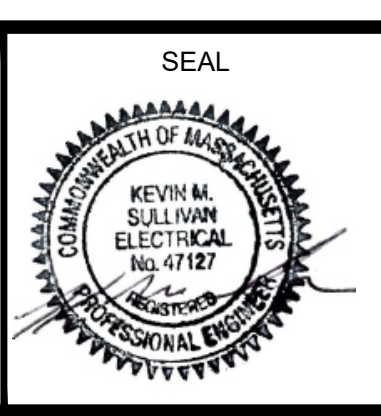
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SEAL



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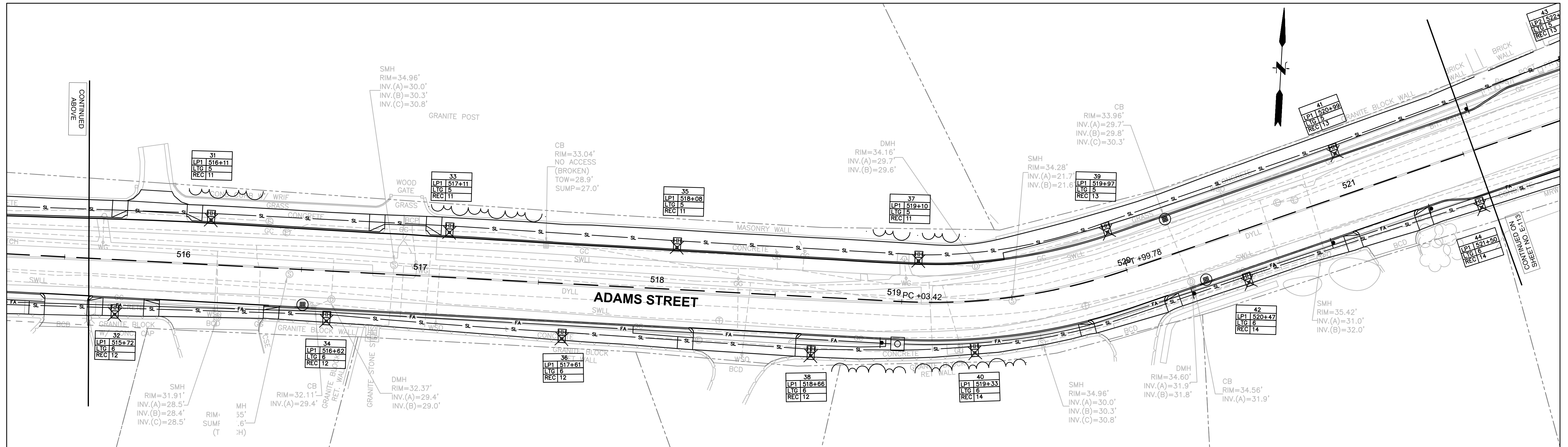
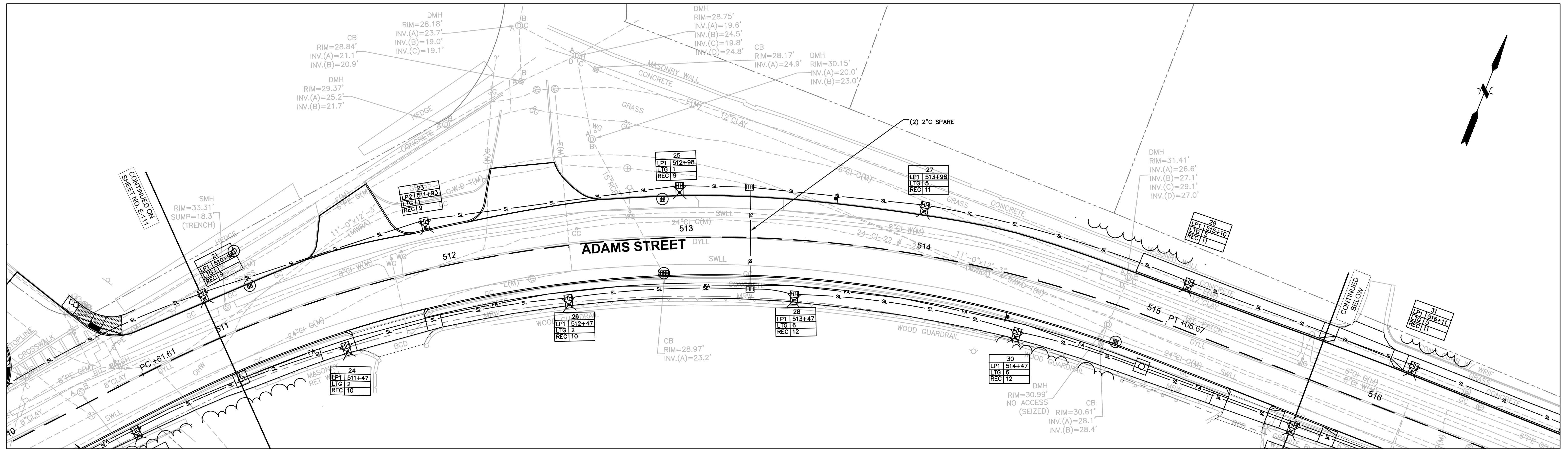
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 VERT.:
 DATUM:
 HORZ.: NAD83
 VERT.: NAVD88

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CITY OF QUINCY
 ELECTRICAL PLAN
 SHEET 1
 ADAMS STREET EAST
 QUINCY MASSACHUSETTS

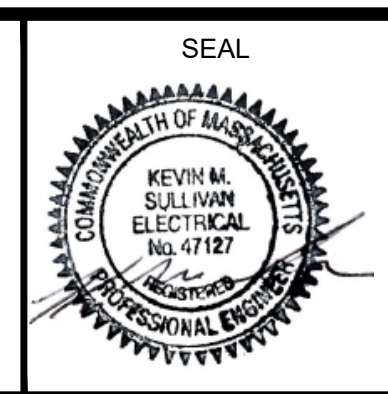
PROJ. No.: 20190211.T40
 DATE: SEPTEMBER 2024
E-111

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 LAYER STATE:



No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL



SEAL

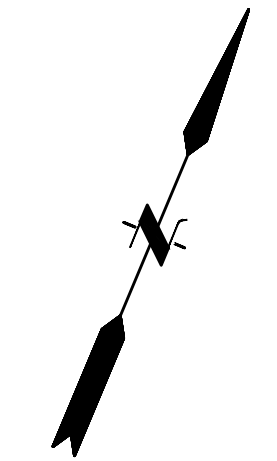
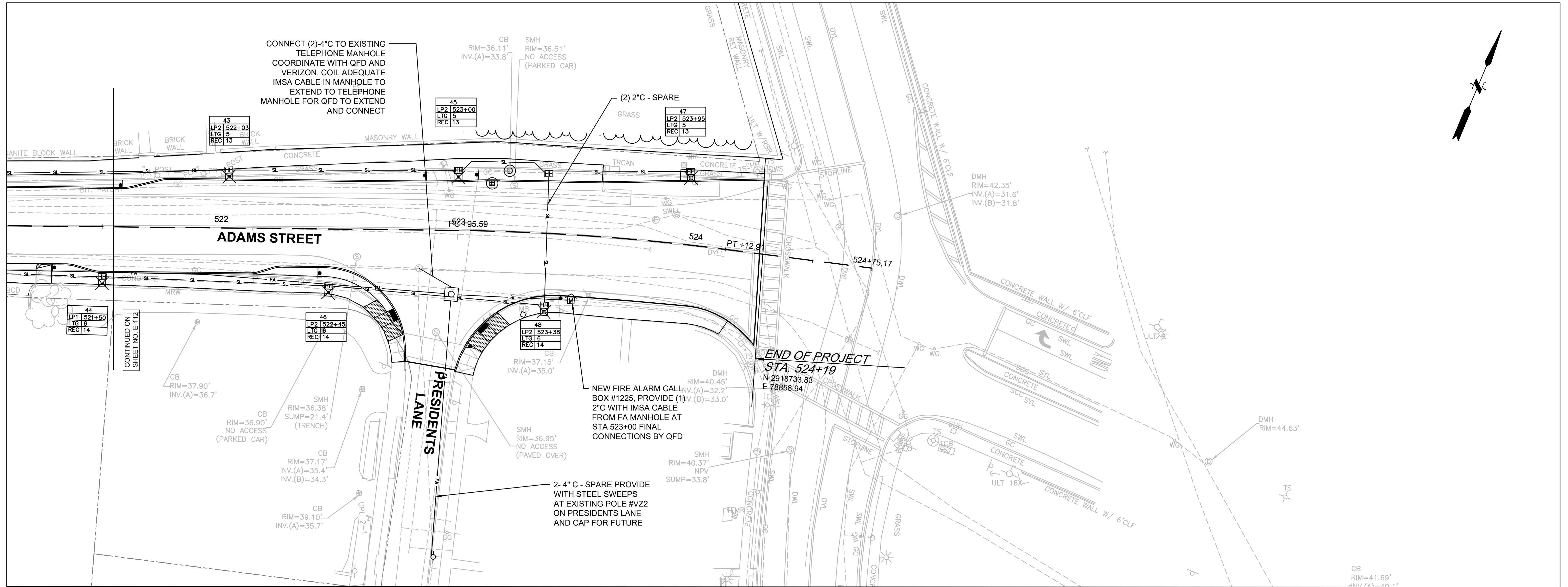
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 VERT.: NAVD88
 GRAPHIC SCALE

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CITY OF QUINCY
 ELECTRICAL PLAN
 SHEET 2
 ADAMS STREET EAST
 QUINCY MASSACHUSETTS

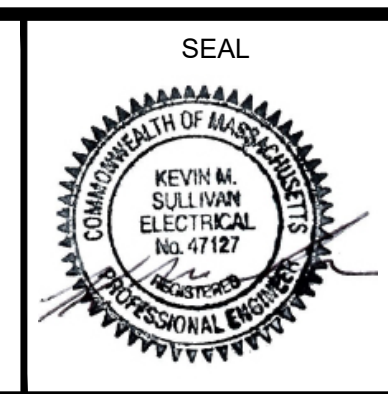
PROJ. No.: 20190211.T40
 DATE: SEPTEMBER 2024
E-112

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No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL



SEAL

SCALE:

HORIZ.: 1"= 20'
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DATUM:

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GRAPHIC SCALE

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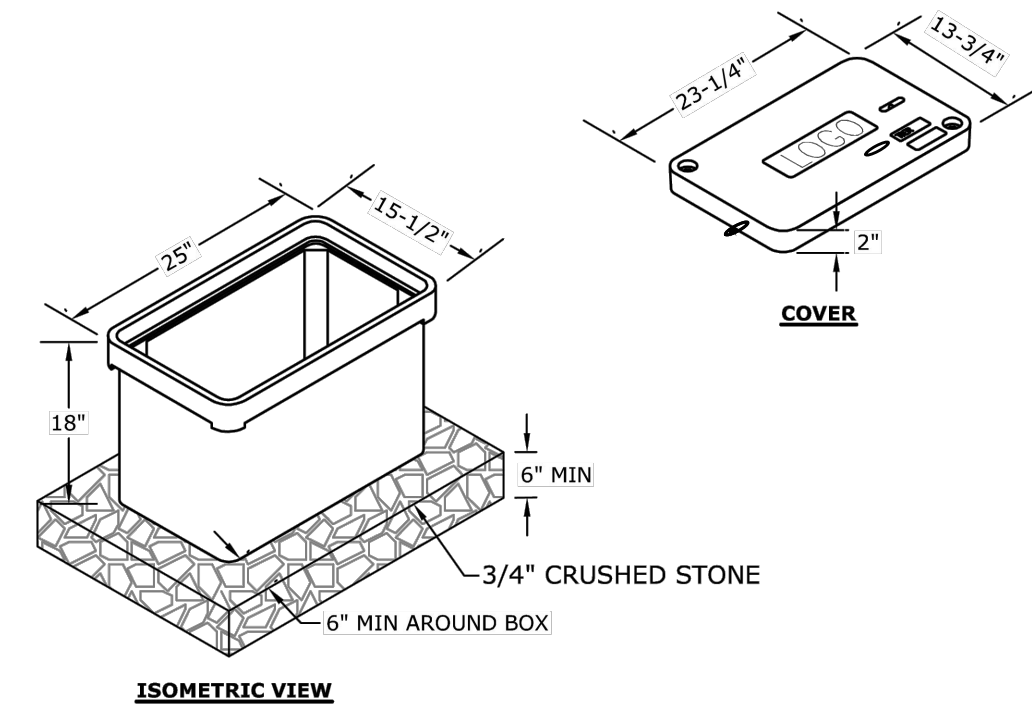
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CITY OF QUINCY
 ELECTRICAL PLAN
 SHEET 3
 ADAMS STREET EAST

QUINCY MASSACHUSETTS

PROJ. No.: 20190211.T40
 DATE: SEPTEMBER 2024

E-113

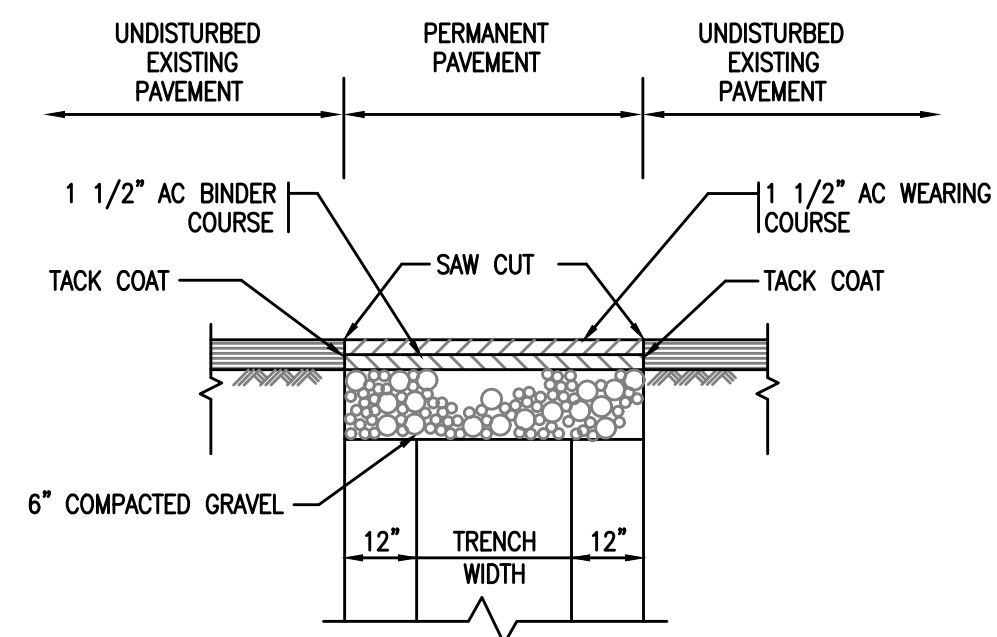


ISOMETRIC VIEW

- NOTES:
- LIGHTING PULL BOX SHALL BE OLDCASTLE POLYMER #1324-18, OPEN BOTTOM, OR APPROVED EQUAL.
 - LIGHTING PULL BOX SHALL MEET ANSI/SCIE 77 LOAD RATINGS.
 - PULL BOXES IN GRASSED AREAS SHALL HAVE A TIER 15 LOAD RATING.
 - PULL BOXES IN NON-GRASSED AREAS SHALL HAVE A TIER 22 LOAD RATING.
 - COORDINATE WITH THE CITY OF QUINCY FOR COVER LOGO.
 - SEE ELECTRICAL PLANS FOR LOCATIONS.

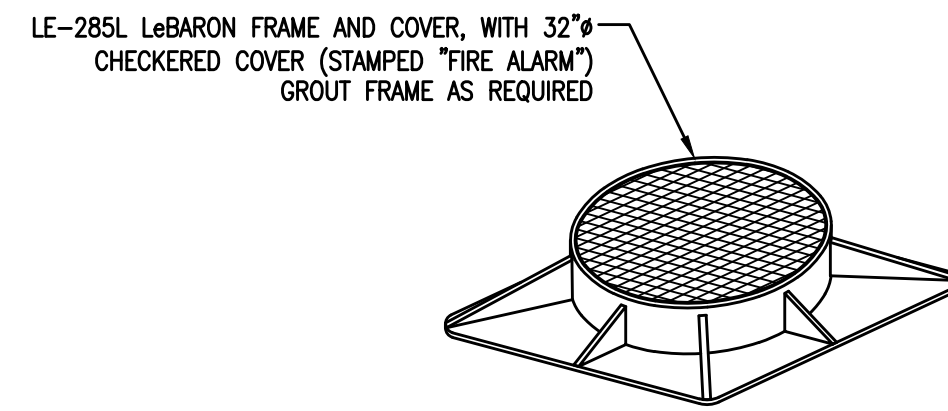
5 HANDHOLE DETAIL

SCALE: NOT TO SCALE

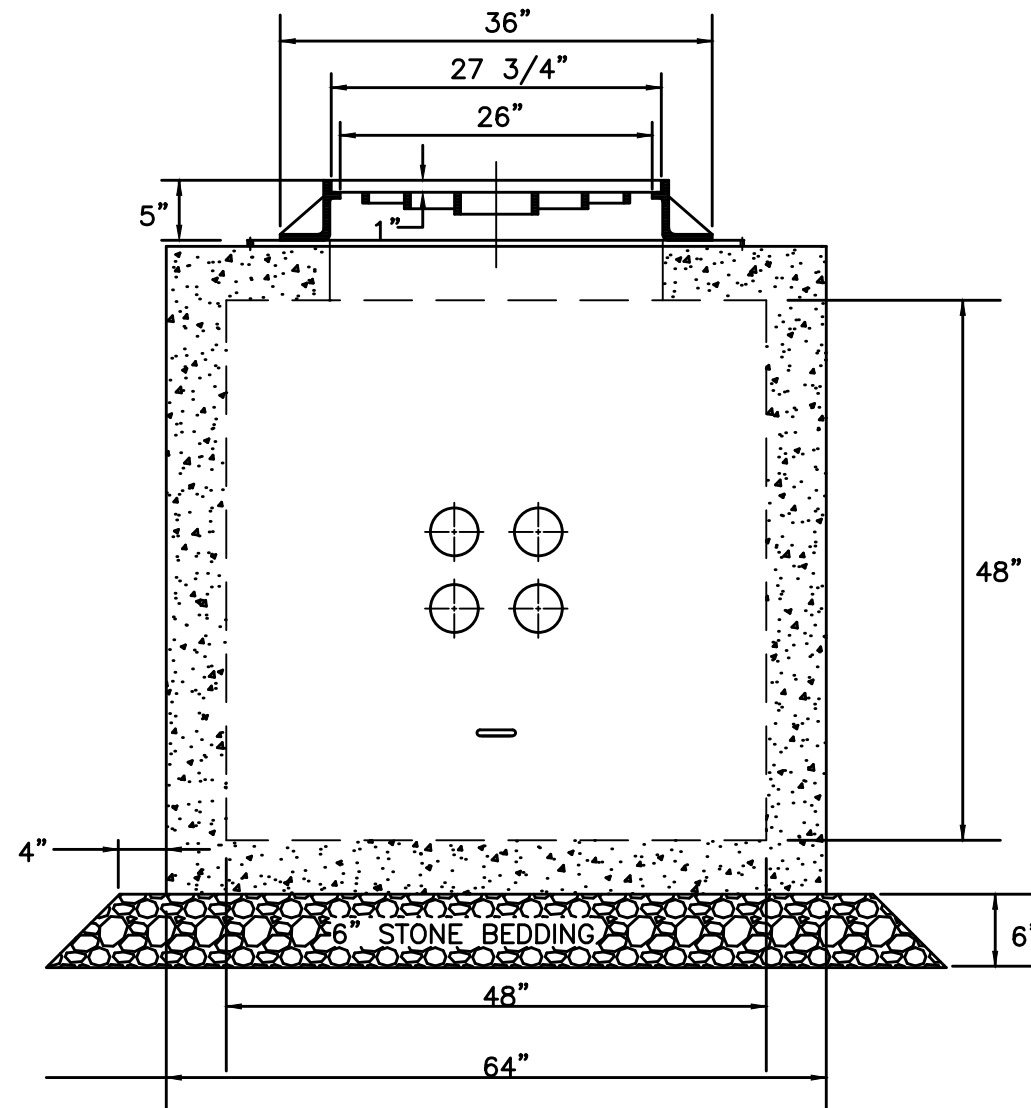


4 PAVEMENT REST DETAIL

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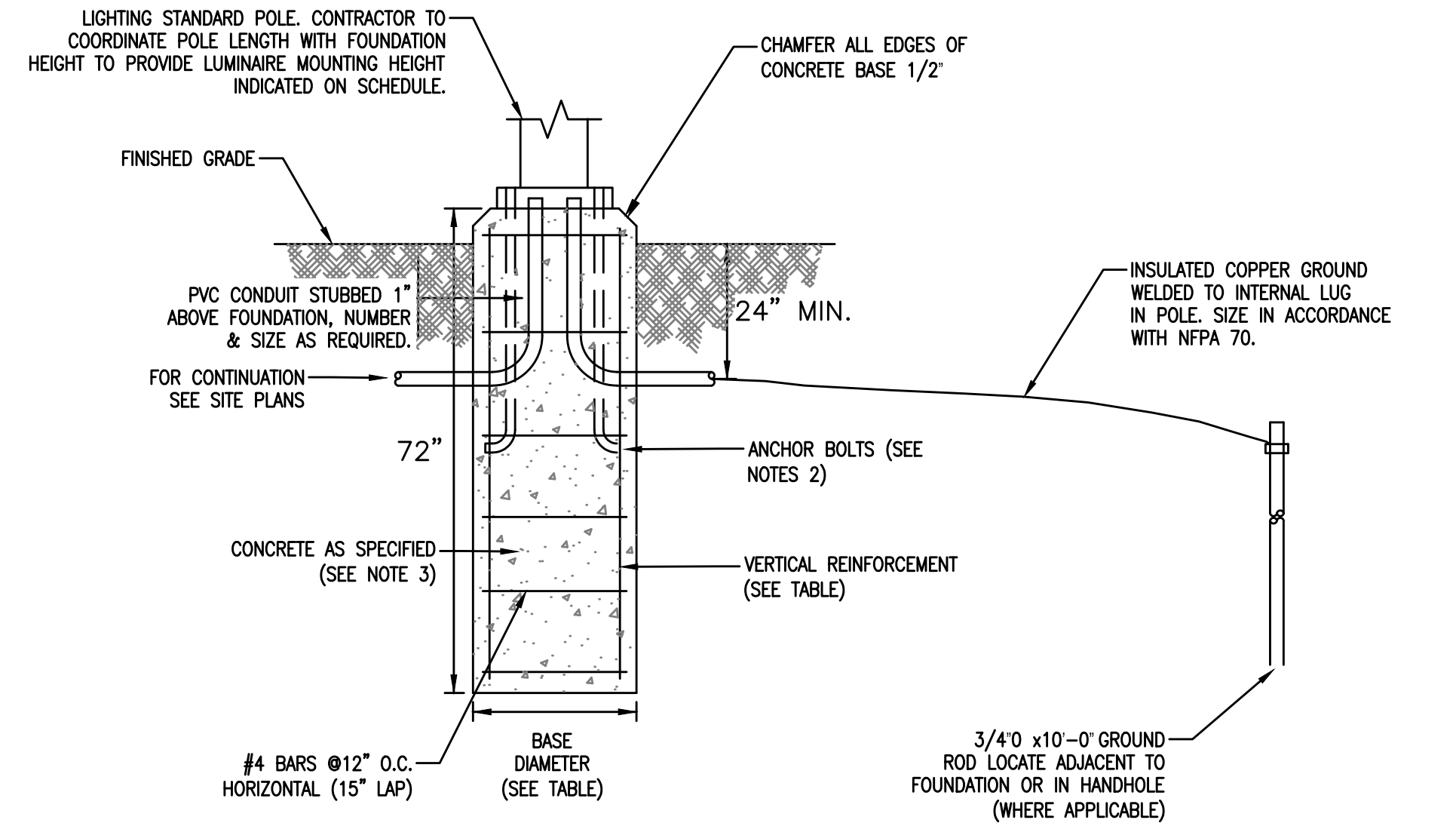


LE-285L LeBARON FRAME AND COVER, WITH 32" CHECKERED COVER (STAMPED "FIRE ALARM") GROUT FRAME AS REQUIRED



6 MANHOLE DETAIL

SCALE: NOT TO SCALE

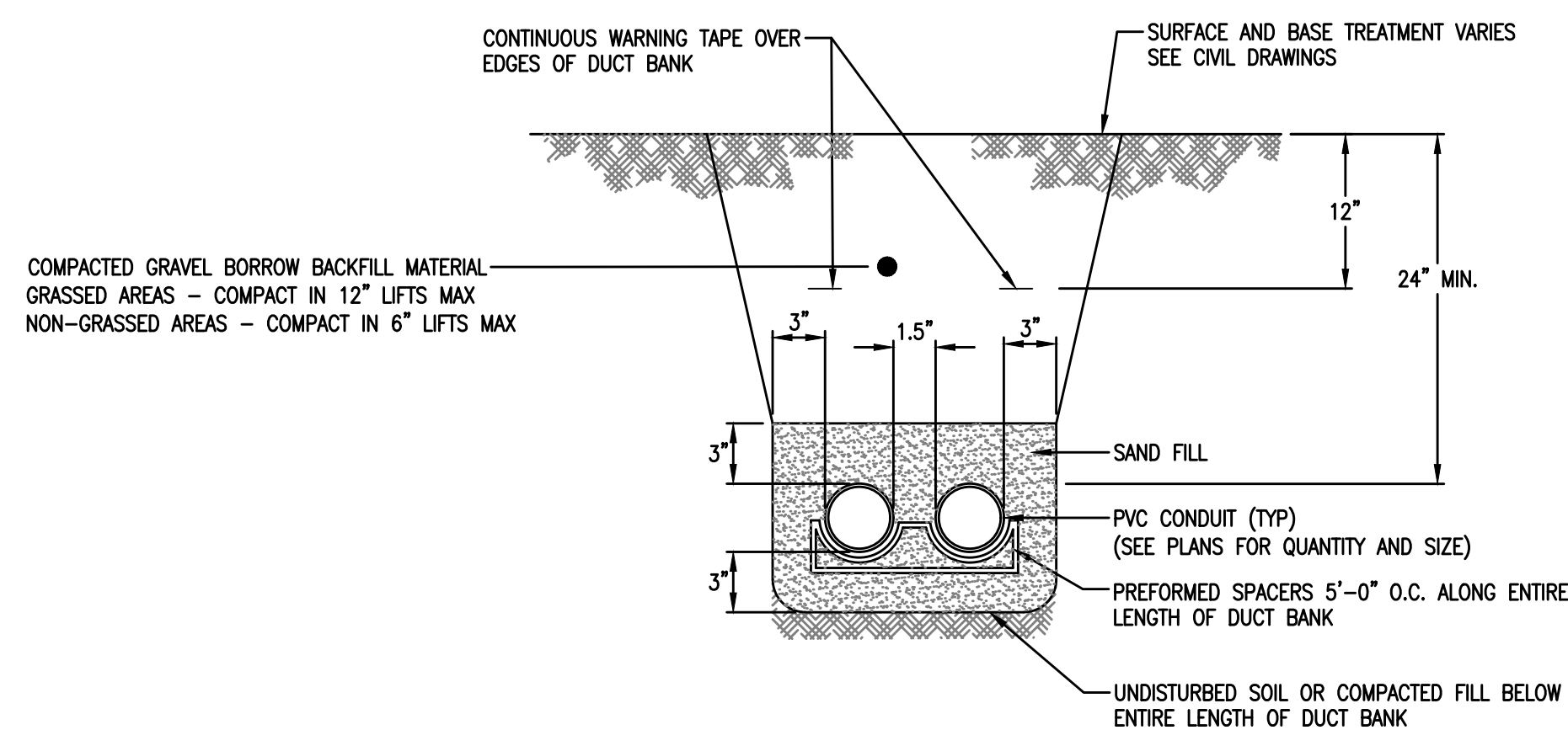


POLE HEIGHT	DEPTH (BURIED)	BASE DIAMETER	VERTICAL REINFORCEMENT
<16'	72" (MIN.)	18"	6 - #6
>16'	72" (MIN.)	24"	6 - #8

- NOTES:
- ALL LIGHT POLES, LUMINARIES FURNISHED BY CITY, WIRE TO BE FURNISHED BY THE CONTRACTOR UNLESS OTHERWISE DIRECTED.
 - CONTRACTOR SHALL VERIFY BOLT TEMPLATE, ANCHOR BOLT SIZE AND WIRING REQUIREMENTS WITH POLE MANUFACTURER PRIOR TO CONSTRUCTION.
 - CONCRETE SHALL BE 5,000 PSI CLASS A, PRE-CAST CONCRETE.
 - REINFORCEMENT SHALL BE ASTM A615, GRADE 60.
 - FOR LIGHT POLES GREATER THAN 20' IN HEIGHT, THE LIGHT POLE BASE SHALL BE DESIGNED AND STAMPED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF MASSACHUSETTS.

7 LIGHTING FOUNDATION DETAIL

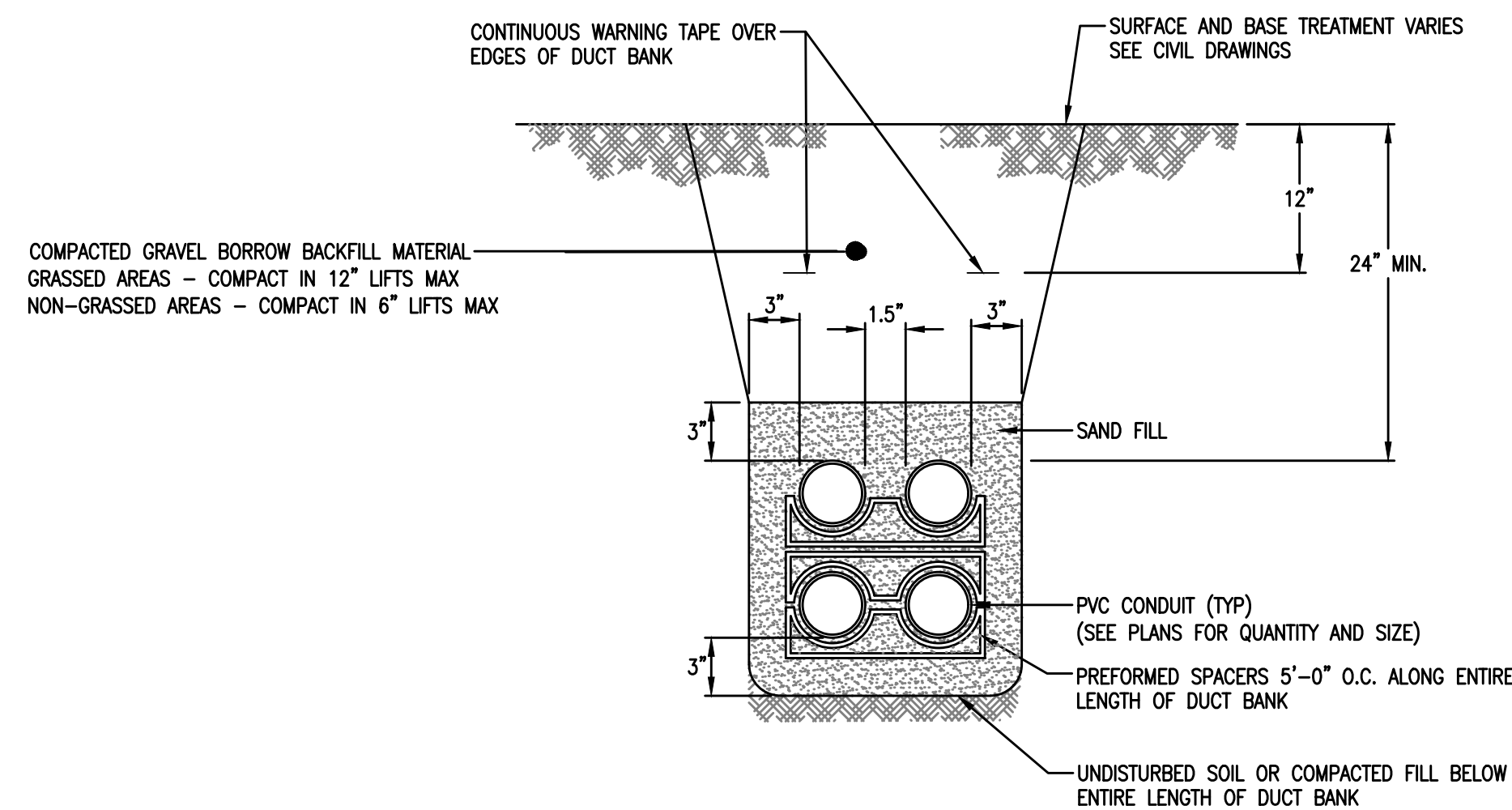
SCALE: NOT TO SCALE



- NOTES:
- ALL CONDUIT BENEATH ROADWAY SHALL BE CONCRETE ENCASED FOR A MINIMUM OF 2' BEYOND EDGE OF PAVEMENT.
 - MAINTAIN A MINIMUM OF 1" SEPARATION FROM EXISTING UTILITIES.
 - ALL DIMENSIONS ARE MINIMUM REQUIREMENTS.

1 CONDUIT IN TRENCH DETAIL

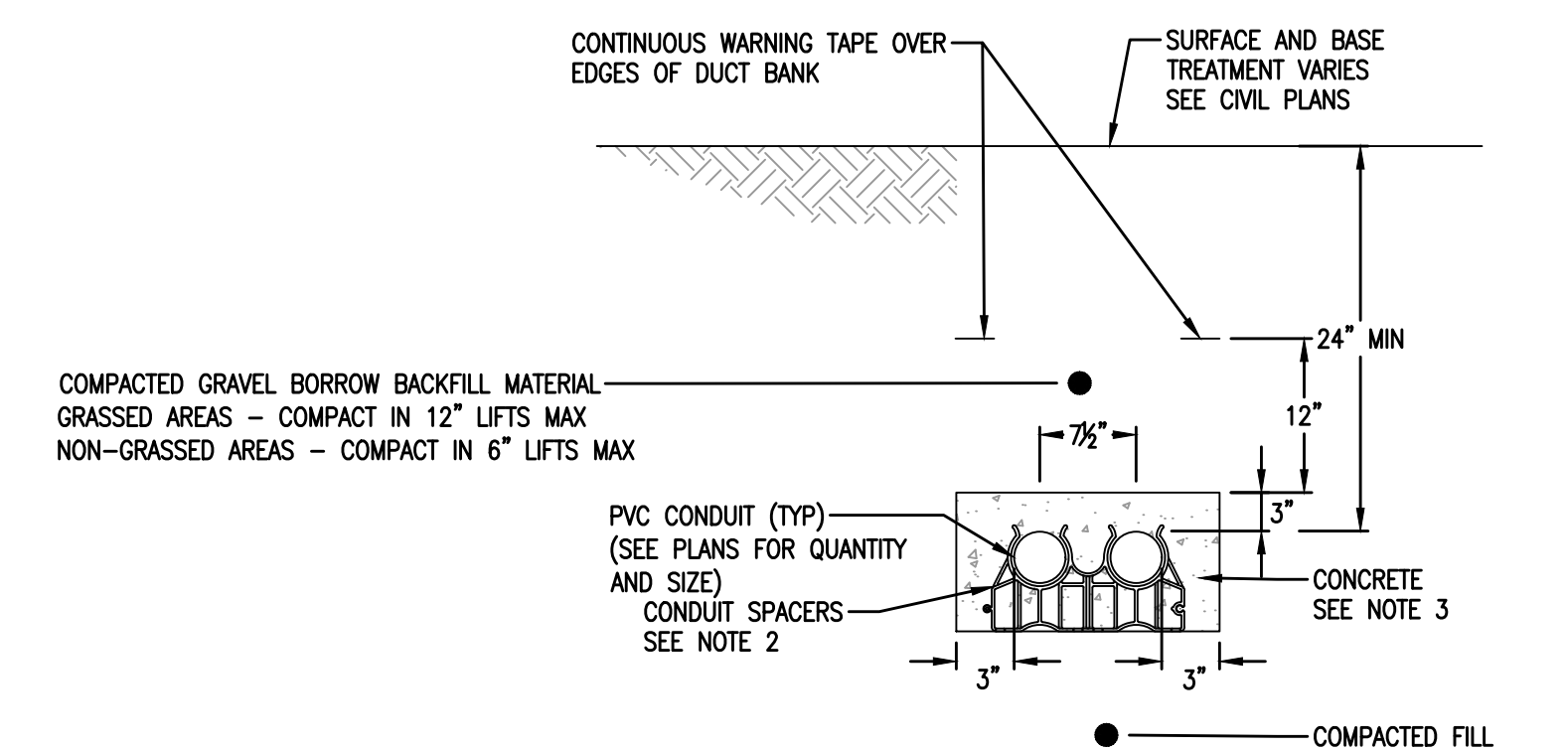
SCALE: NOT TO SCALE



- NOTES:
- ALL CONDUIT BENEATH ROADWAY SHALL BE CONCRETE ENCASED FOR A MINIMUM OF 2' BEYOND EDGE OF PAVEMENT.
 - MAINTAIN A MINIMUM OF 1" SEPARATION FROM EXISTING UTILITIES.
 - ALL DIMENSIONS ARE MINIMUM REQUIREMENTS.

2 DUCTBANK DETAIL

SCALE: NOT TO SCALE



- NOTES:
- ALL CONDUIT BENEATH ROADWAY SHALL BE CONCRETE ENCASED FOR A MINIMUM OF 2' BEYOND EDGE OF PAVEMENT.
 - CONTRACTOR SHALL PROVIDE CONDUIT SPACERS 5'-0" ON CENTER.
 - CONCRETE SHALL BE PRE-MIX 5,000 P.S.I. 6" SLUMP LEAN CONCRETE.
 - CONCRETE ENCASED CONDUITS SHALL HAVE A MINIMUM 3" COVER ALONG ALL SIDES.
 - MAINTAIN A MINIMUM OF 1" SEPARATION FROM EXISTING UTILITIES.
 - ALL DIMENSIONS ARE MINIMUM REQUIREMENTS.

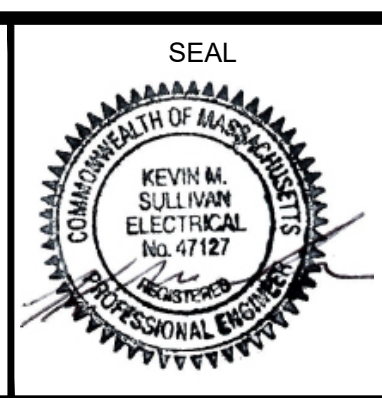
3 CONCRETE ENCASED DETAIL

SCALE: NOT TO SCALE

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No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL



SCALE:

HORIZ.: AS NOTED

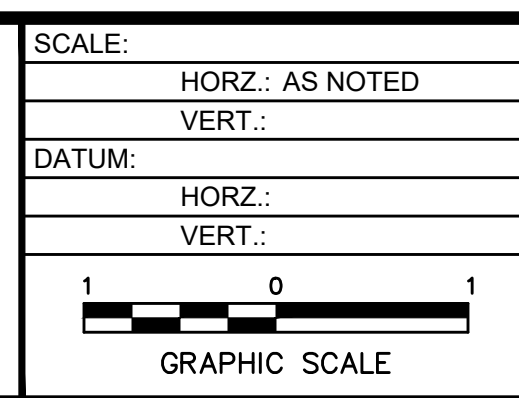
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DATUM:

HORIZ.:

VERT.:

GRAPHIC SCALE



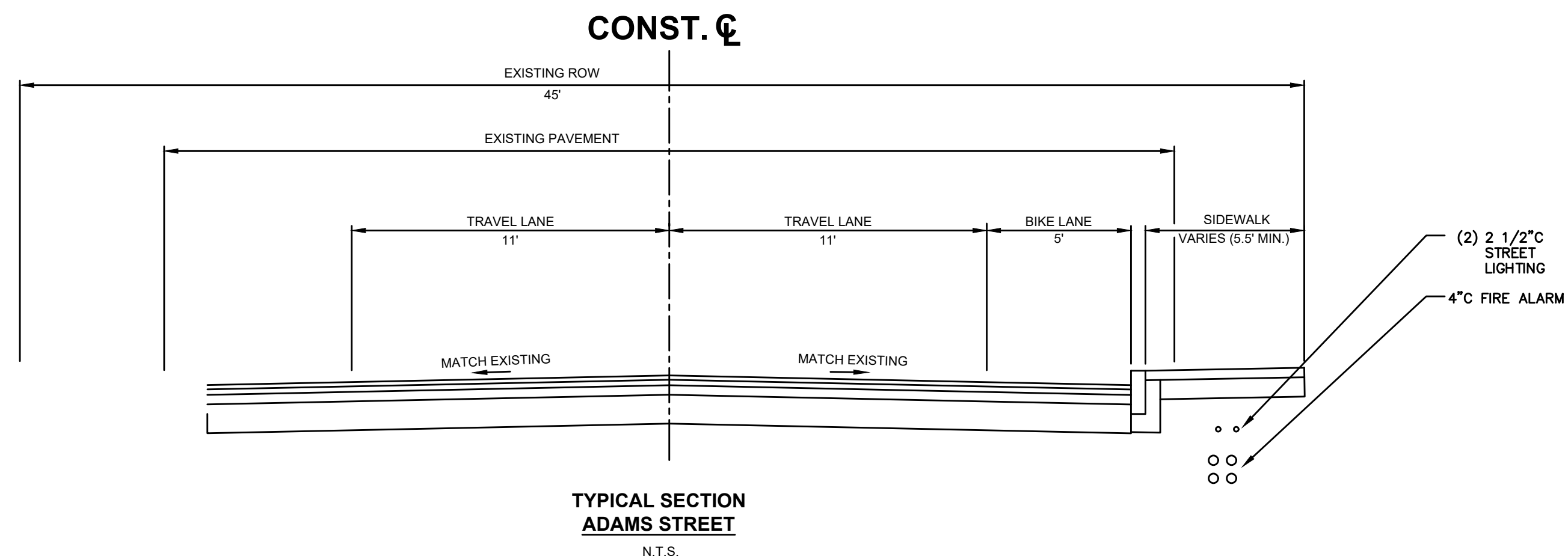
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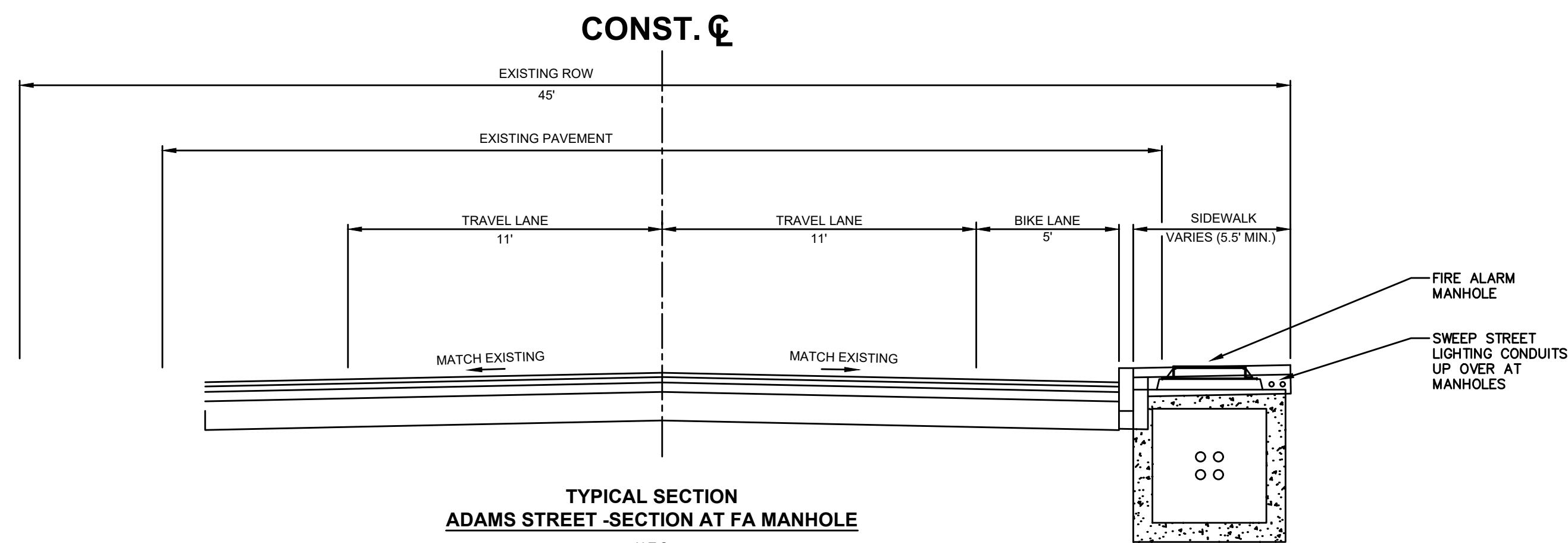
CITY OF QUINCY
ELECTRICAL DETAILS
ADAMS STREET EAST
QUINCY MASSACHUSETTS

PROJ. No.: 20190211.T40
DATE: SEPTEMBER 2024
E-501

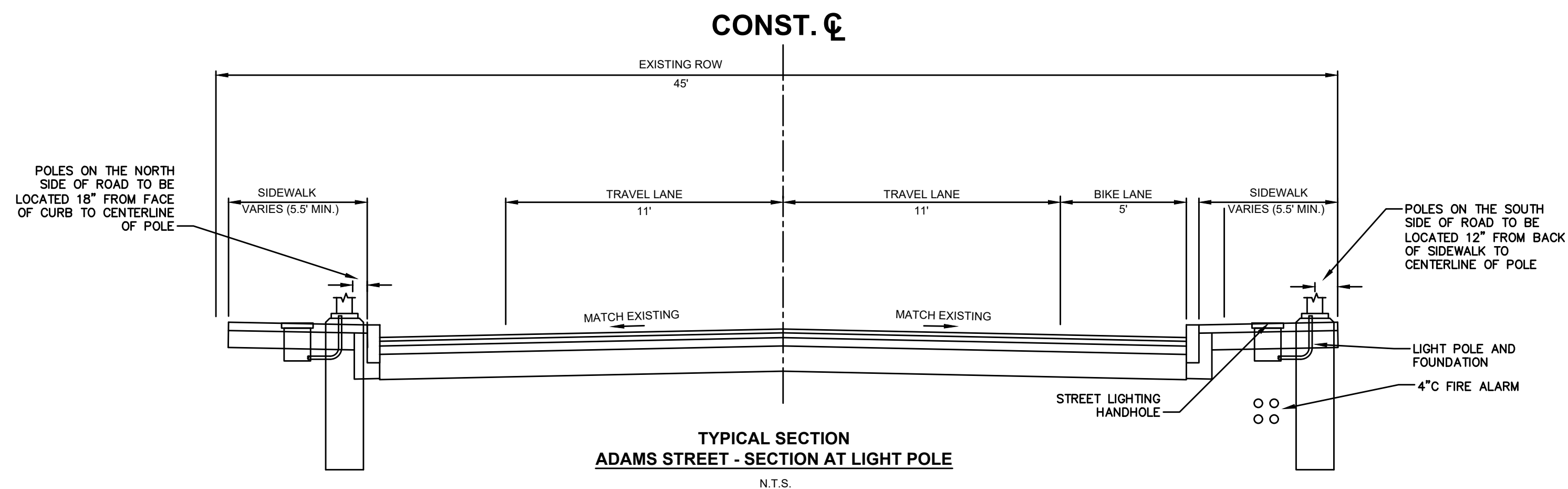
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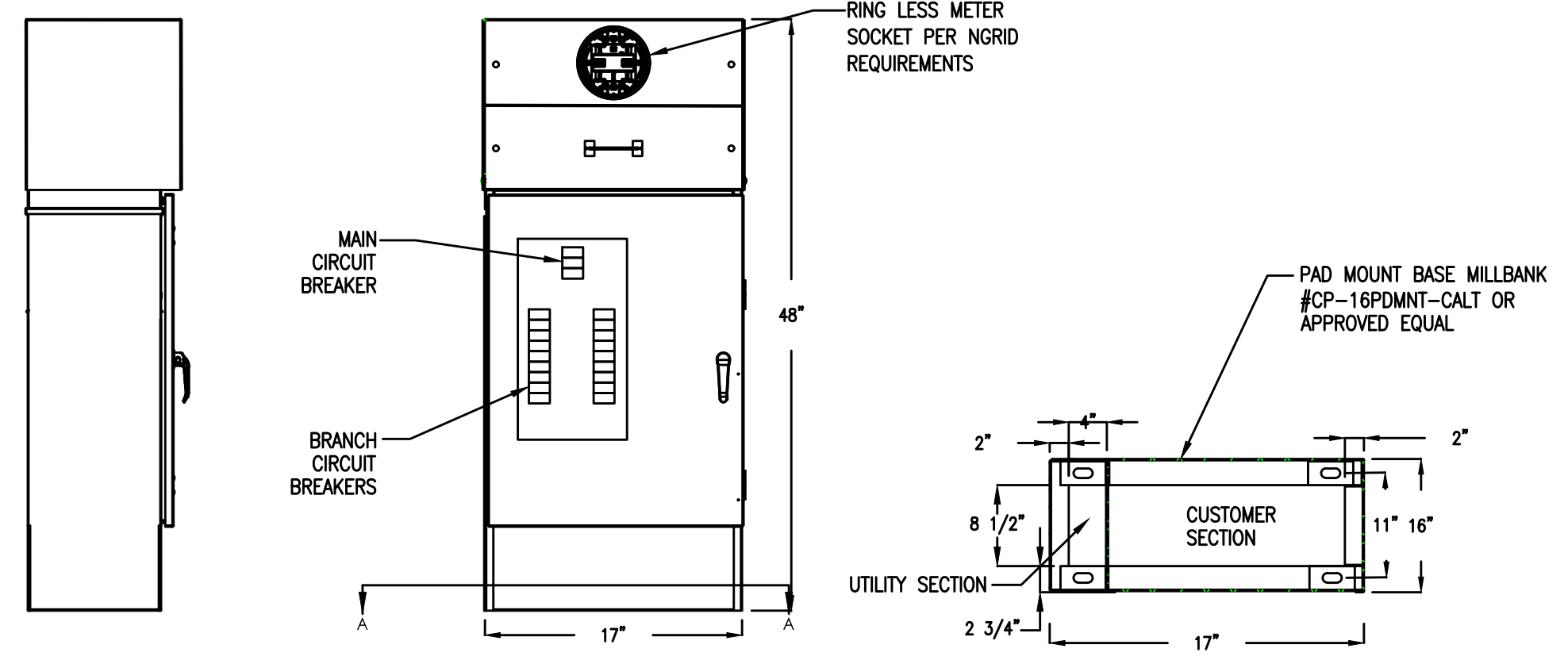
TYPICAL SECTION
ADAMS STREET
N.T.S.



TYPICAL SECTION
ADAMS STREET - SECTION AT FA MANHOLE
N.T.S.



TYPICAL SECTION
ADAMS STREET - SECTION AT LIGHT POLE
N.T.S.



- NOTES:
 LIGHTING POWER CABINET INCLUDES THE FOLLOWING:
 1. MILLBANK #CP38B5421122A0 OR APPROVED EQUAL.
 2. 120/240V, 1φ, 3W, 100A WITH 100A MAIN BREAKER
 3. RINGLESS LEVER BYPASS METR, 4 TERMINAL, 5th TERMINAL IN THE 9 O'CLOCK POSITION
 4. RAINPROOF - TYPE 3R
 5. BRUSHED ALUMINUM FINISH
 6. UL-LISTED
 7. ENCLOSED INDUSTRIAL CONTROL - SUITABLE FOR USE AS SERVICE EQUIPMENT
 8. METER SOCKET AND SERVICE PER NGRID APPROVAL
 9. LIGHTING CONTROLLED BY UBICELL PROVIDED AS PART OF FIXTURE.
 10. RECEPTACLES CONTROLLED BY CIRCUIT BREAKER.

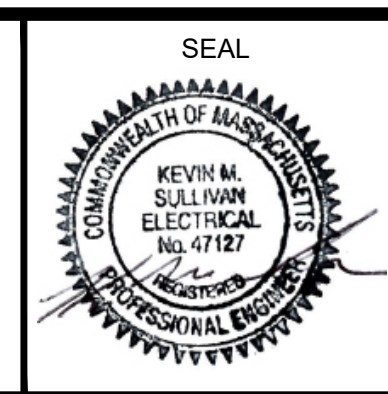
LIGHTING LOAD CENTER CABINET TO BE MOUNTED ON LIGHTING LOAD CENTER FOUNDATION as shown in MassDOT Standard Detail SD3-050

1 LIGHTING POWER CABINET
 NOT TO SCALE

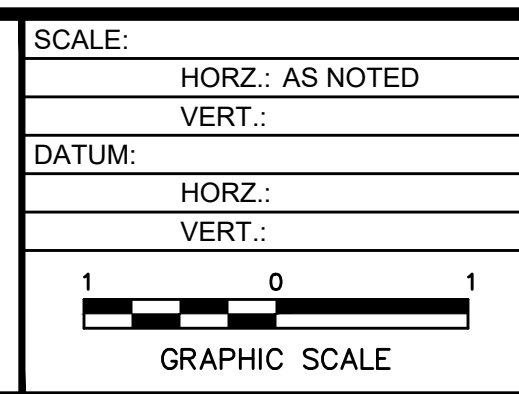
LOADCENTER 'LPC', 100 AMP, 120/240 VOLT, 1-PHASE, 3-WIRE & GND										
INTERRUPTING CAPACITY: 22,000 AMPS RMS SYM					MAIN: 100A M.C.B.		MOUNTING: RECESSED			
LOAD DESCRIPTION	CB/TYPE	CIRC NO.	KVA LOAD				CIRC NO.	CB/TYPE	LOAD DESCRIPTION	
			A	B	A	B				
Light Poles 1-25 ODD	20	2	1	0.80			2	20	Light Poles 2-26 EVEN	
			3		0.80		4			
Light Poles 11-47 ODD	20	2	5	0.80			6	20	Light Poles 12-50 EVEN	
			7		0.80		8			
Receptacles Poles 1-25 ODD	20	1	9	0.80			10	1	Receptacles Poles 2-26 EVEN	
Receptacles Poles 27-37 ODD	20	1	11		0.36		12	1	Receptacles Poles 28-38 EVEN	
Receptacles Poles 39-47 ODD	20	1	13	0.30		0.30	14	1	Receptacles Poles 40-48 EVEN	
SPARE	20	1	15				16	1	SPARE	
PHASE A	5.40		TOTAL LOAD 9.32 kVA				NOTES: Receptacles for Holiday Lights are calculated at 60W (0.5A) per receptacle			
PHASE B	3.92									

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL



SEAL



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CITY OF QUINCY
 ELECTRICAL DETAILS
 ADAMS STREET EAST
 QUINCY MASSACHUSETTS

PROJ. No.: 20190211.T40
 DATE: SEPTEMBER 2024
E-502

File: J:\DWG\2019\02111740\ChillPlan\Adams St East\201902111740_DET01_Electrical.dwg Layout: E-503 Plotted: 2024-09-10 10:39 AM User: Kevin Sullivan
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 LAYER STATE:

TITLE: COLONIAL LANTERN - JEWEL & LED ARRAY LED		PART NO: 920007685	DRAWING NUMBER: 920007685-1	SIZE: A4	ISSUE: A
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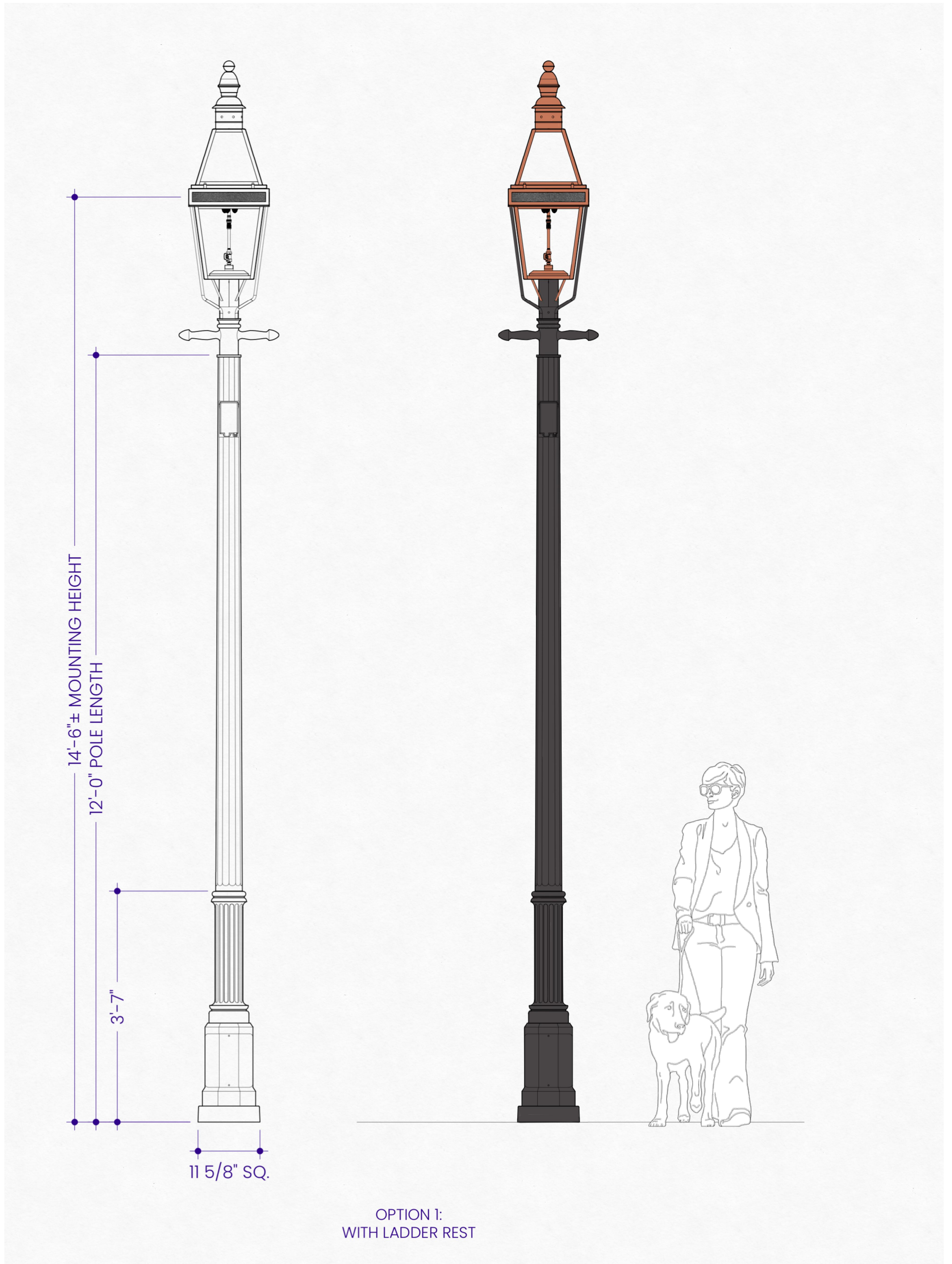
UBIQUITA NODE AND SPD NEMA SOCKET
OPAL TOP MOULDING
DUAL LED DRIVERS (ONE FOR EACH LED MODULE)
CLEAR LOWER MOULDING

SECTION A-A
SCALE 1 : 10

CLEAR 'HAMMERED GLASS EFFECT' MOULDINGS (LED ARRAY GLARE REDUCTION)
LED ARRAY CASTING (UP TO 110W OUTPUT)
FROSTED LED COVER (GLARE REDUCTION)

□ 15.2

REV.	C/N No:	DESCRIPTION	BY	DATE
NOTES: (1) ALL DIMENSIONS IN mm. (2) REMOVE ALL BURRS AND SHARP EDGES.				
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LINEAR TOLERANCES UNLESS OTHERWISE STATED: X.00 = ±0.15 X.0 = ±0.50 X = ±2.00		ANGULAR TOLERANCES UNLESS OTHERWISE STATED: X.00° = ±0.15° X.0° = ±0.50° X° = ±1.00°	MATERIAL: COPPER SPEC: C106	
DATE: 08/04/2024	SCALE:	FINISH: CLEAN / NATURAL		
DRAWN: WH	CHECKED:			
TEL: 01264 336677		FAX: 01264 336688		E-MAIL: SALES@PUDSEYDIAMOND.COM
WEBSITE: WWW.PUDSEYDIAMOND.COM				



No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

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	VERT.:
DATUM:	HORZ.:
	VERT.:
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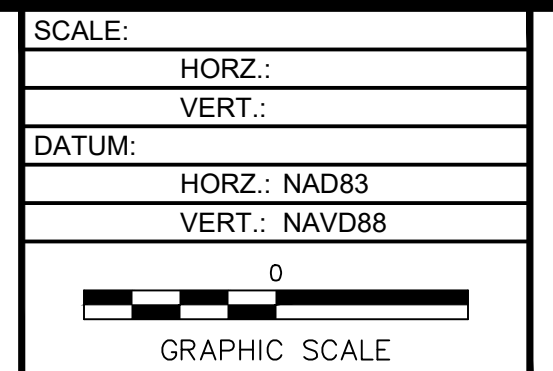
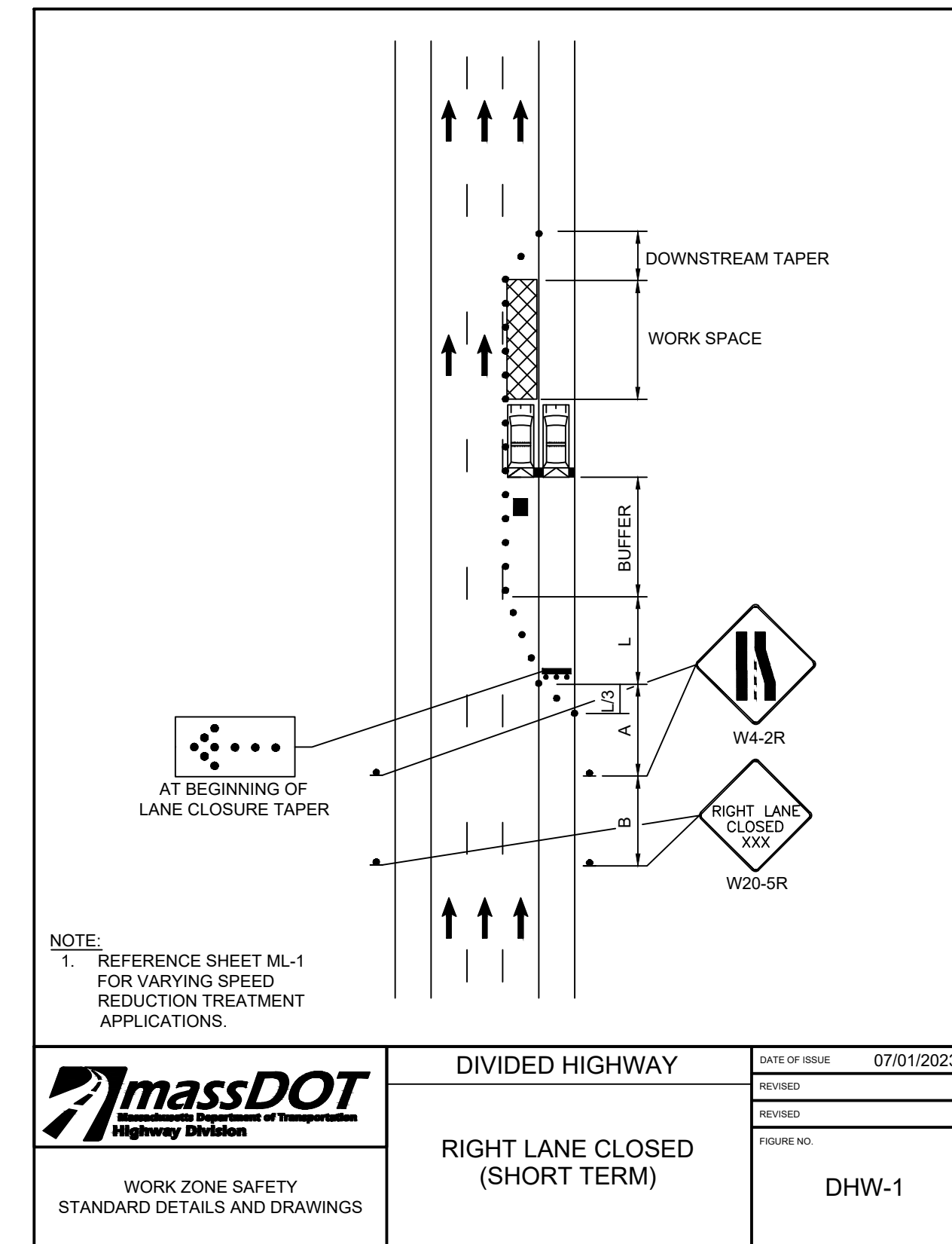
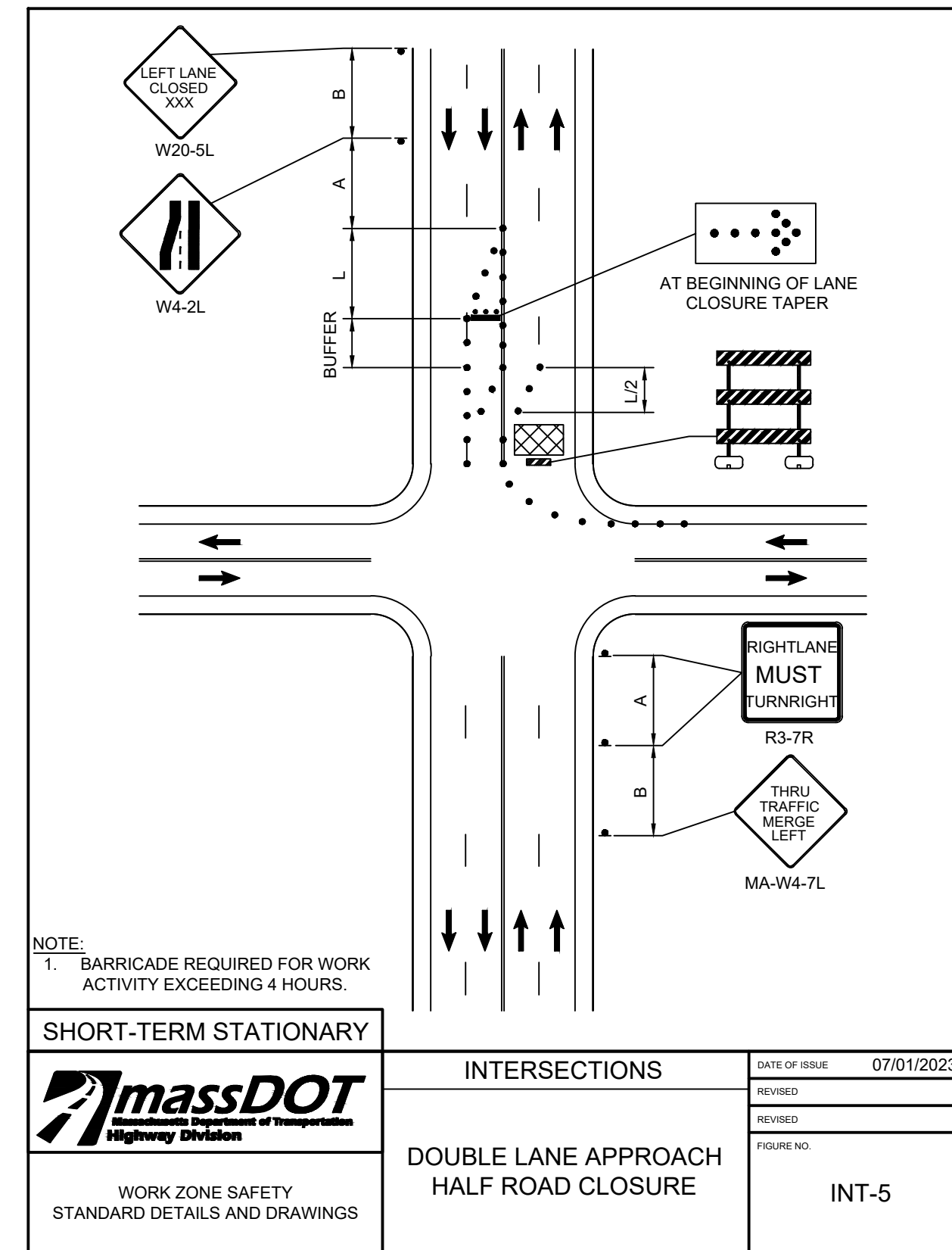
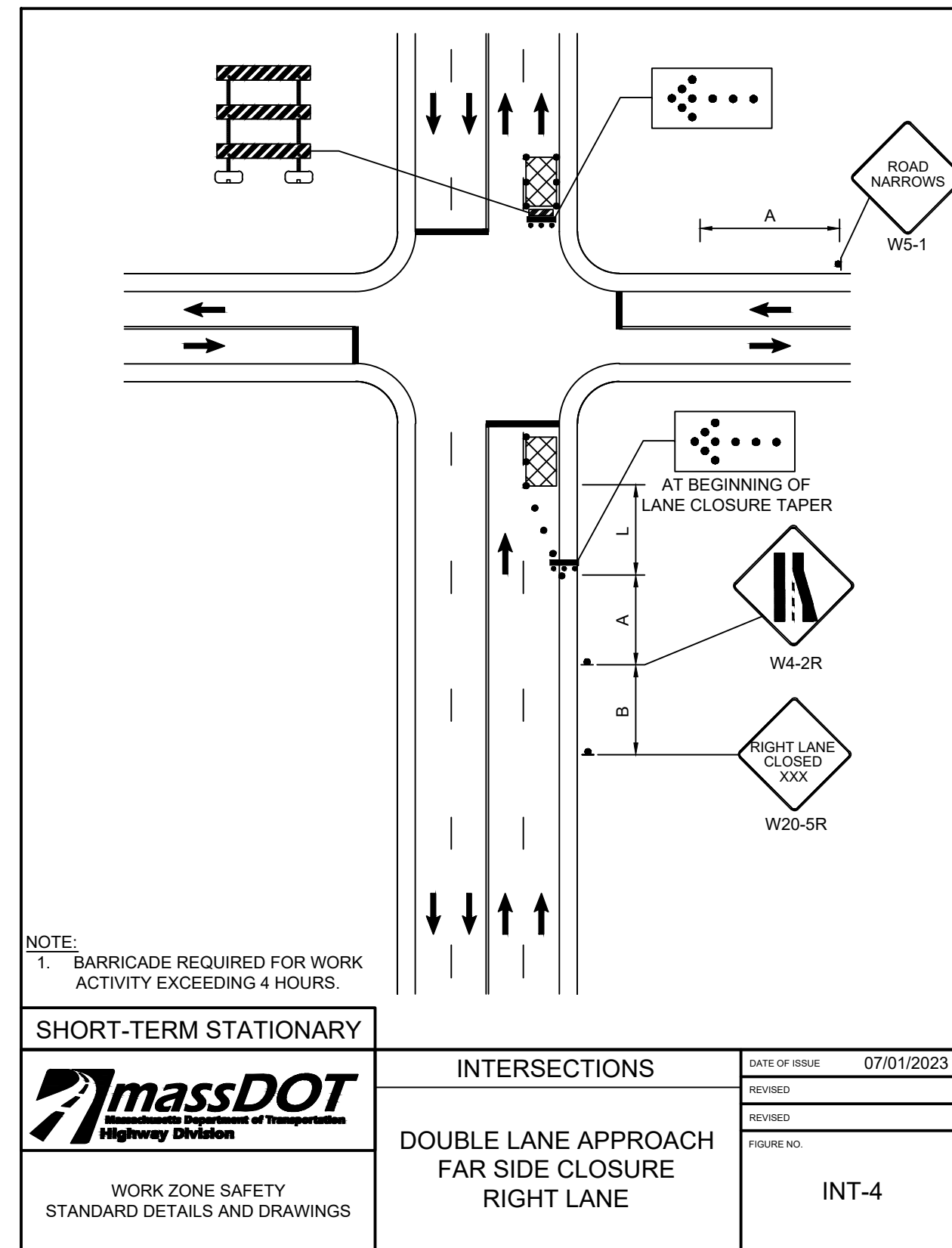
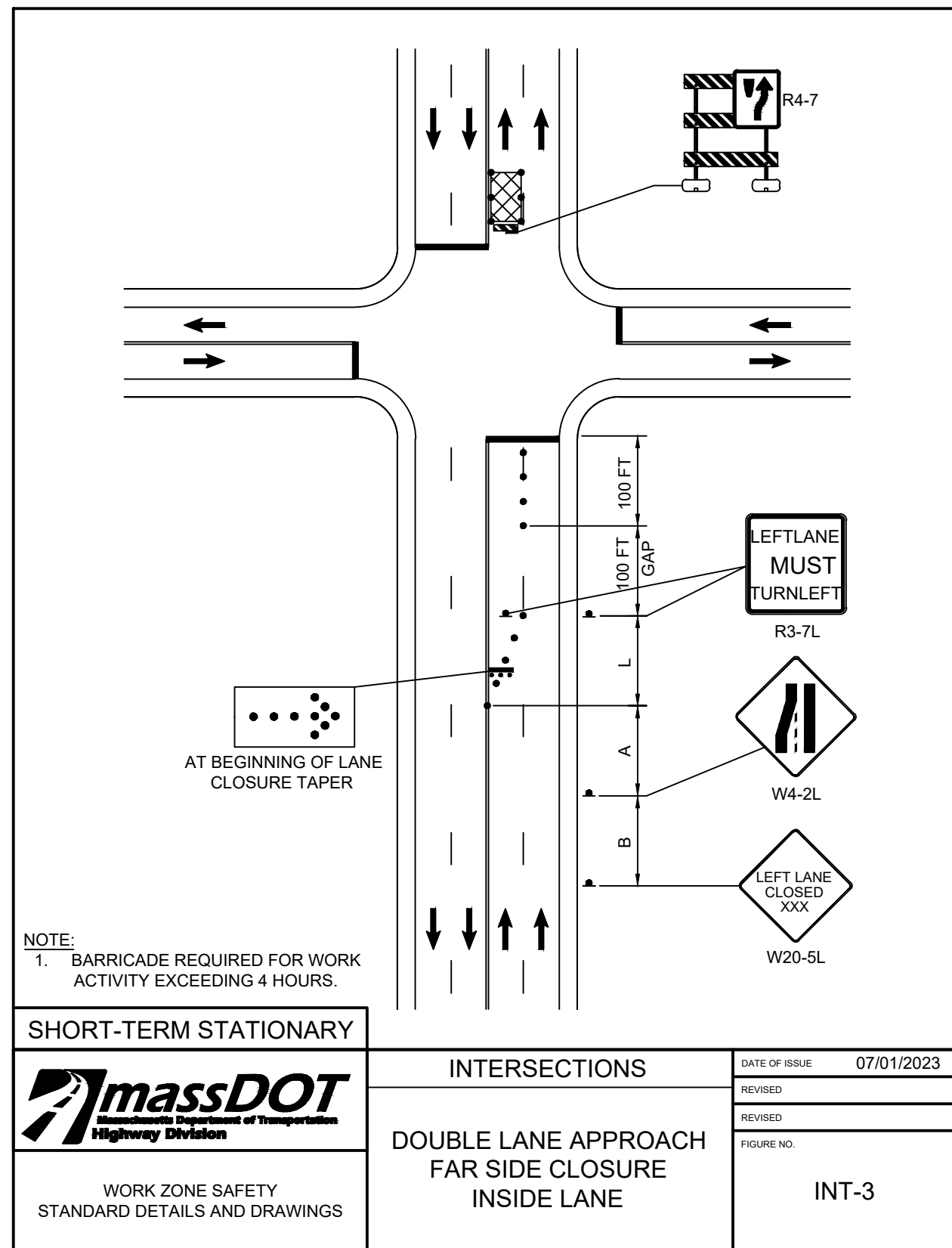
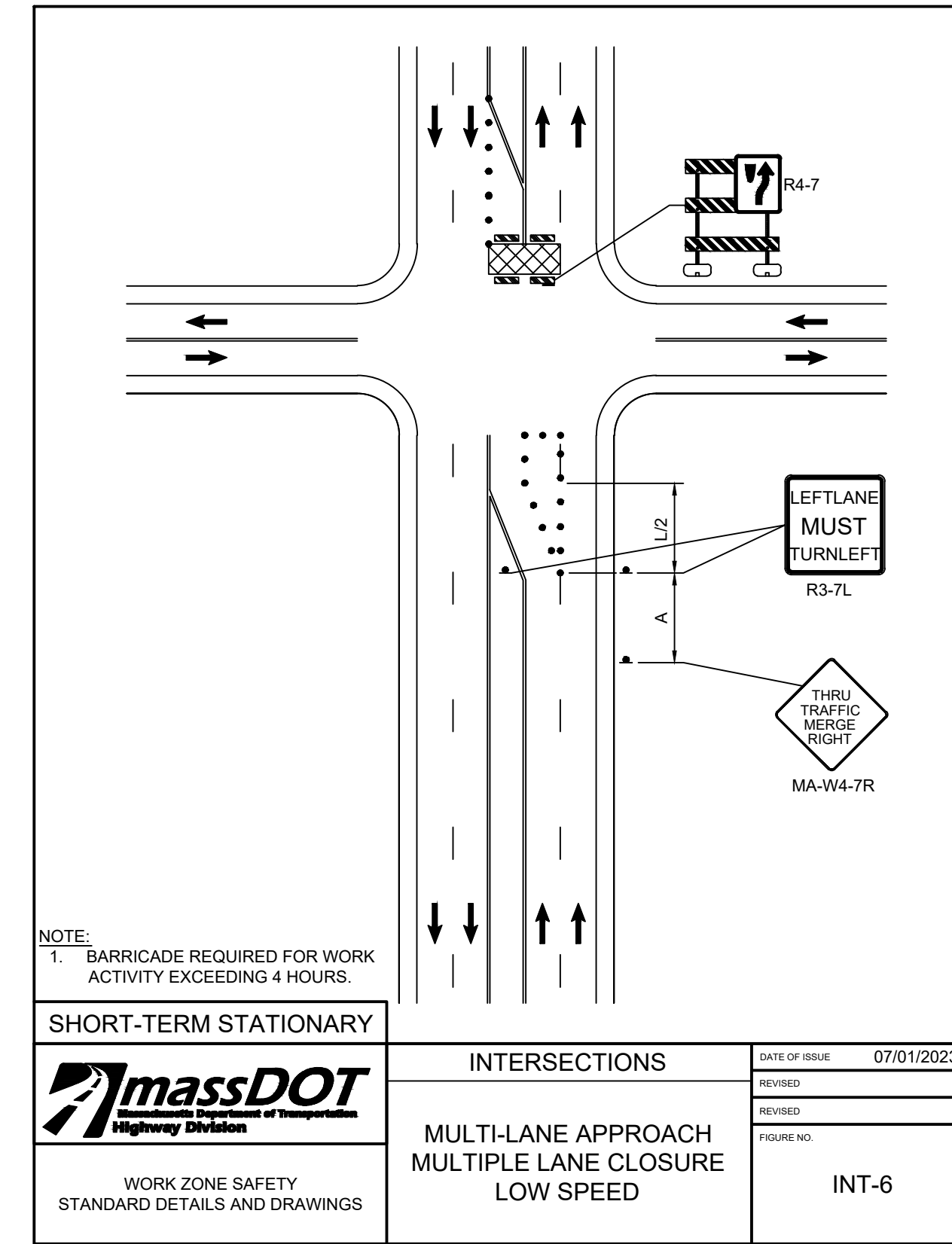
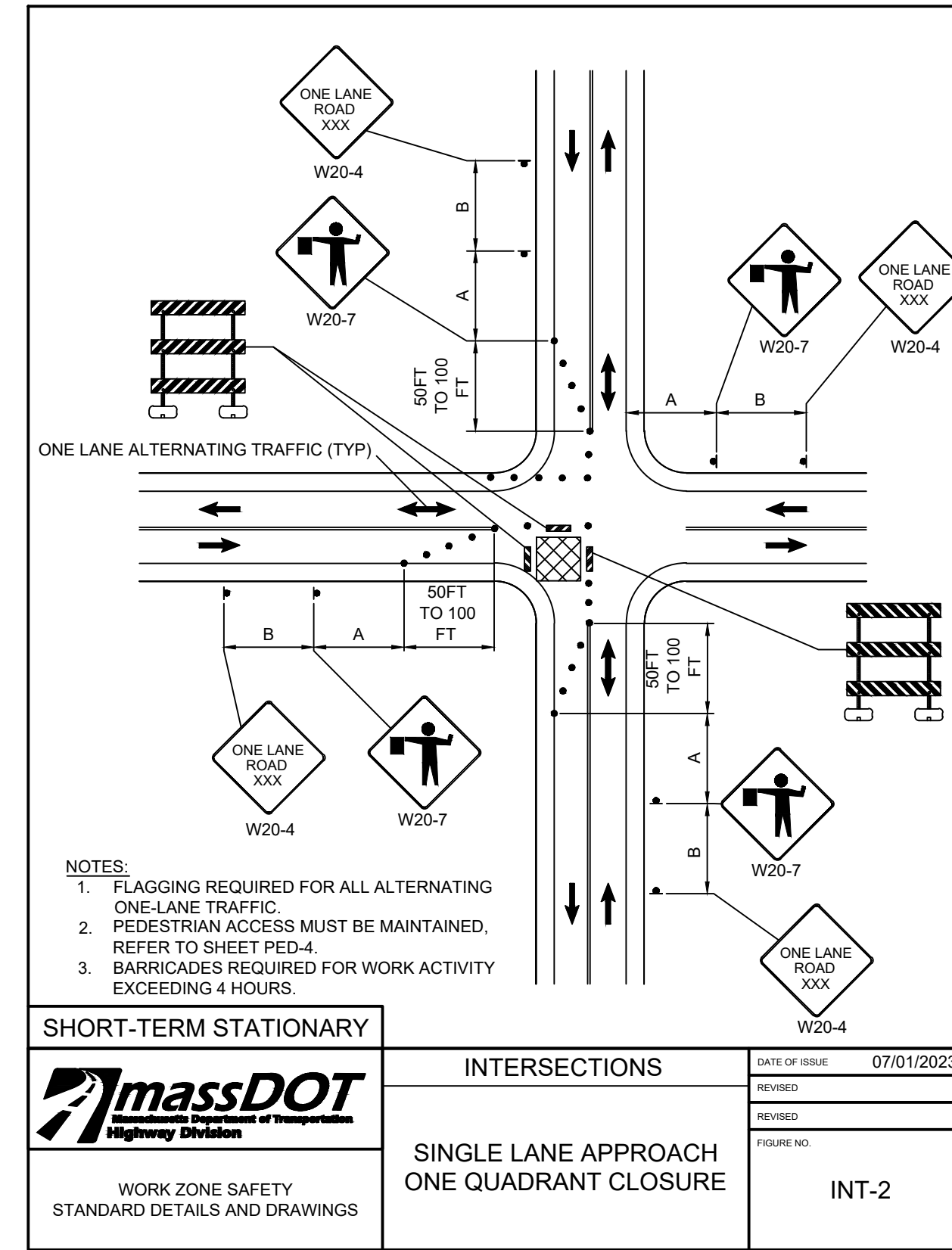
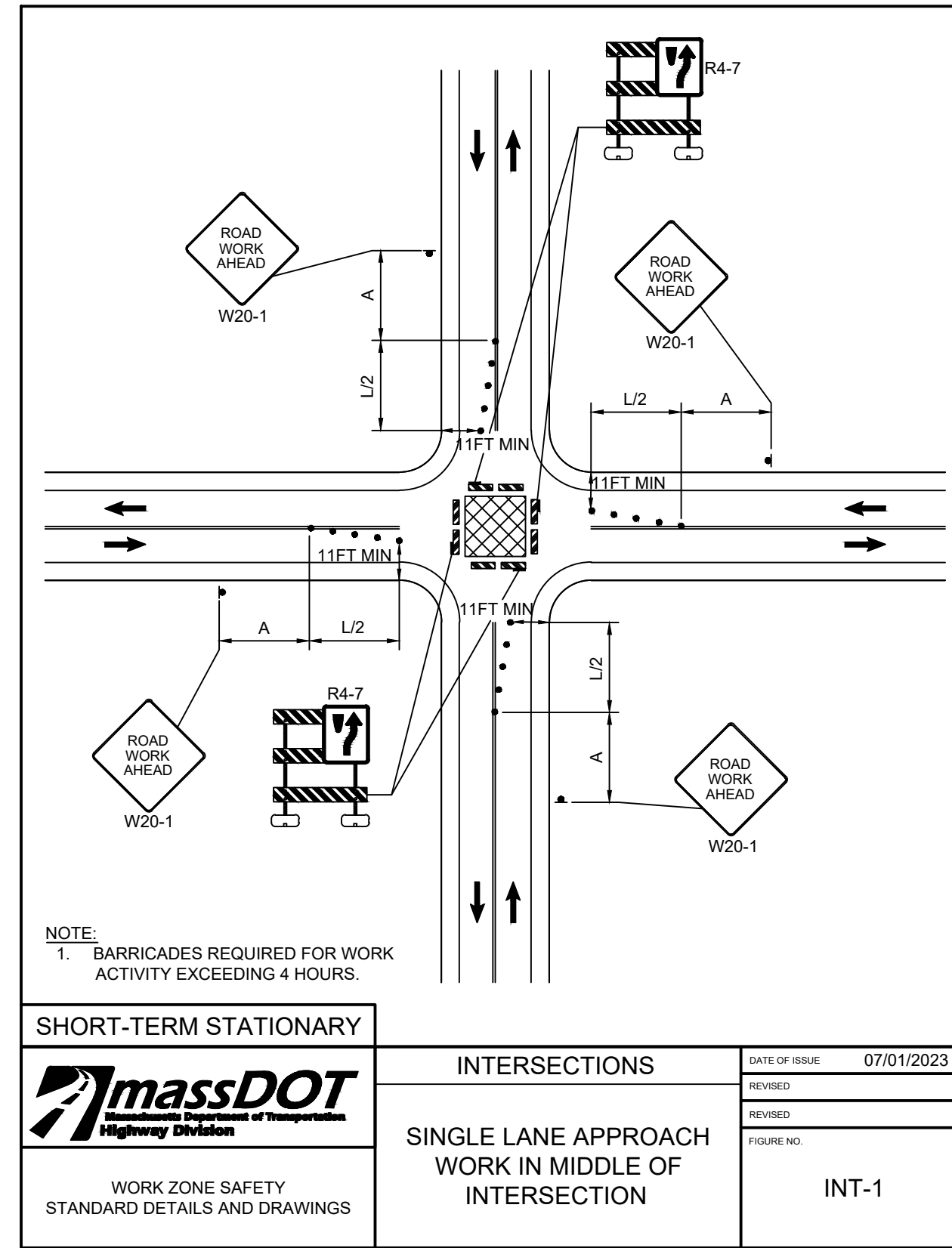
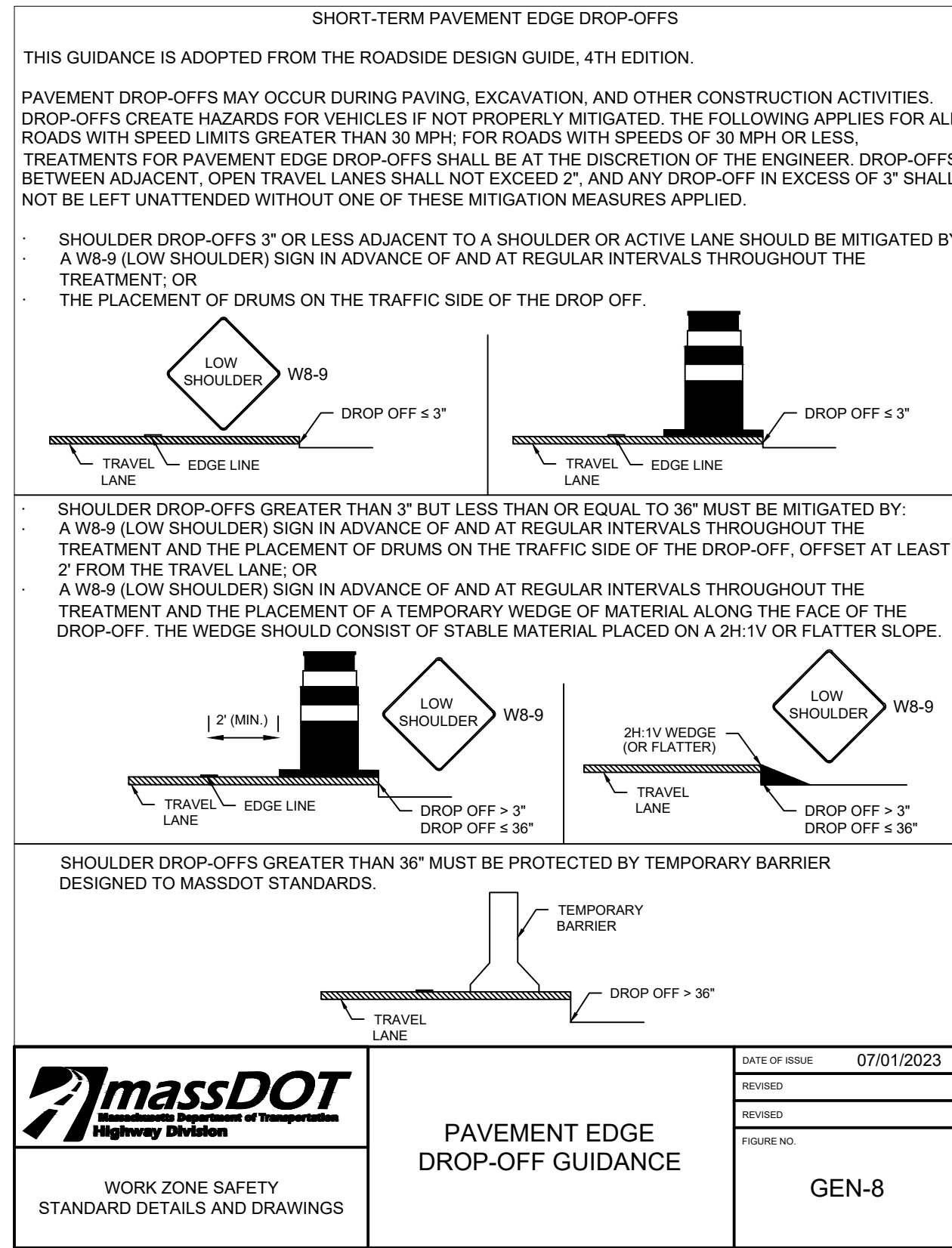
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CITY OF QUINCY
 ELECTRICAL DETAILS
 ADAMS STREET EAST
 MASSACHUSETTS

PROJ. No.: 20190211.T40
 DATE: SEPTEMBER 2024
E-503

File: J:\DWG\2019\20190211\140_Civil\Plan\Adams St East\20190211_140_TMP01.dwg Layout: TMP02 Plotted: 2024-09-10 4:32 PM Saved: 2024-08-16 4:23 PM User: Benjamin.Cohen
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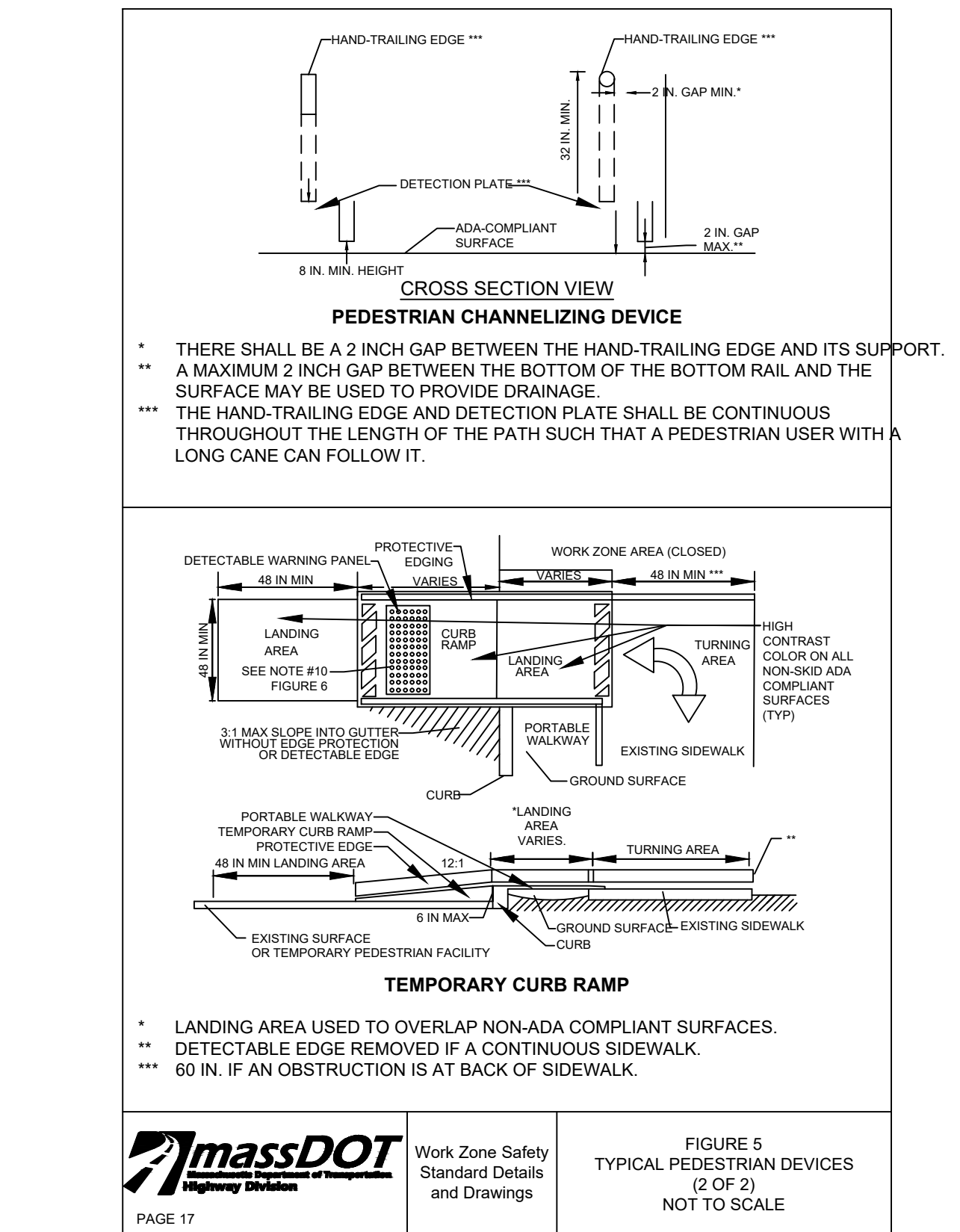
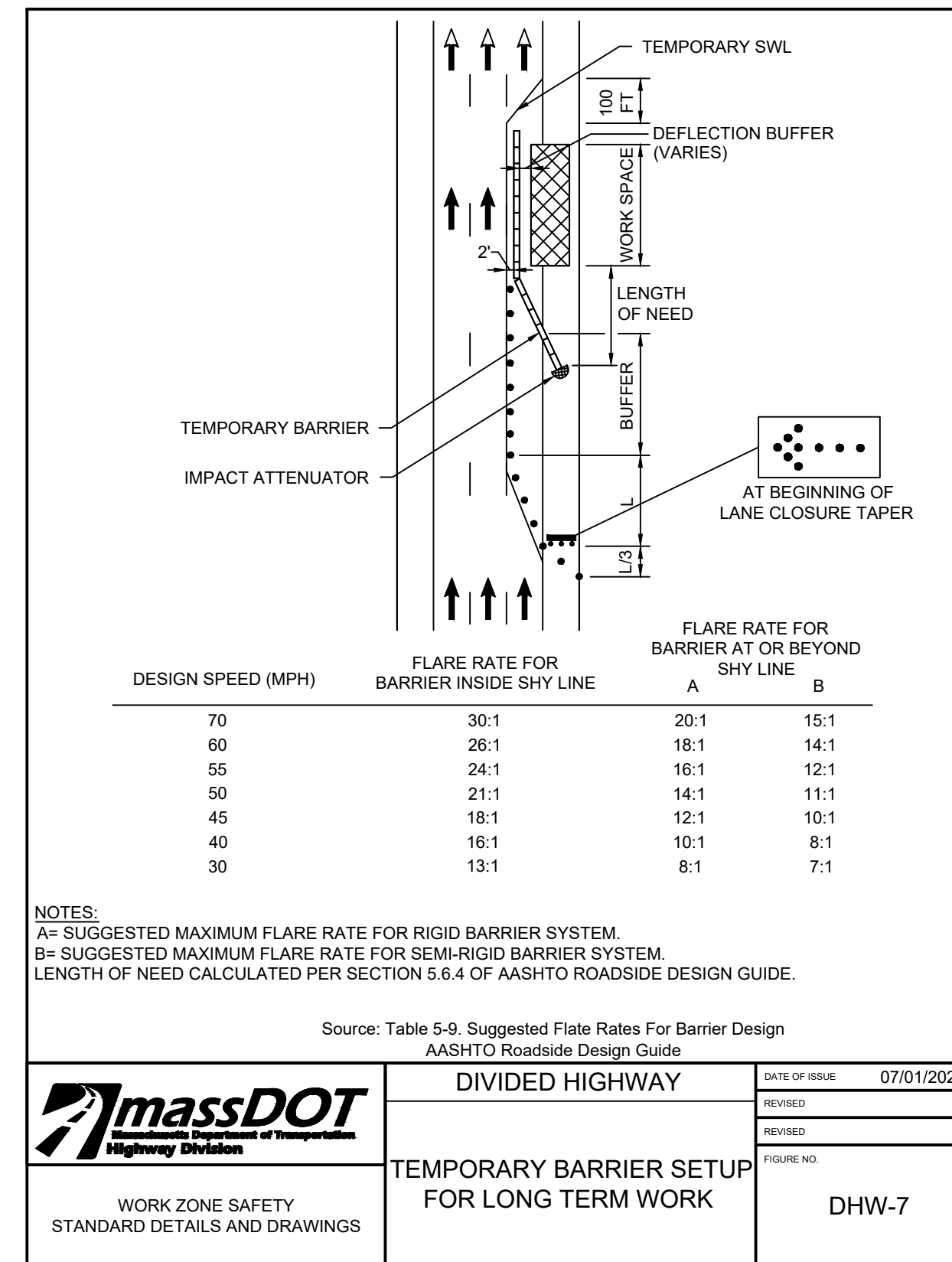
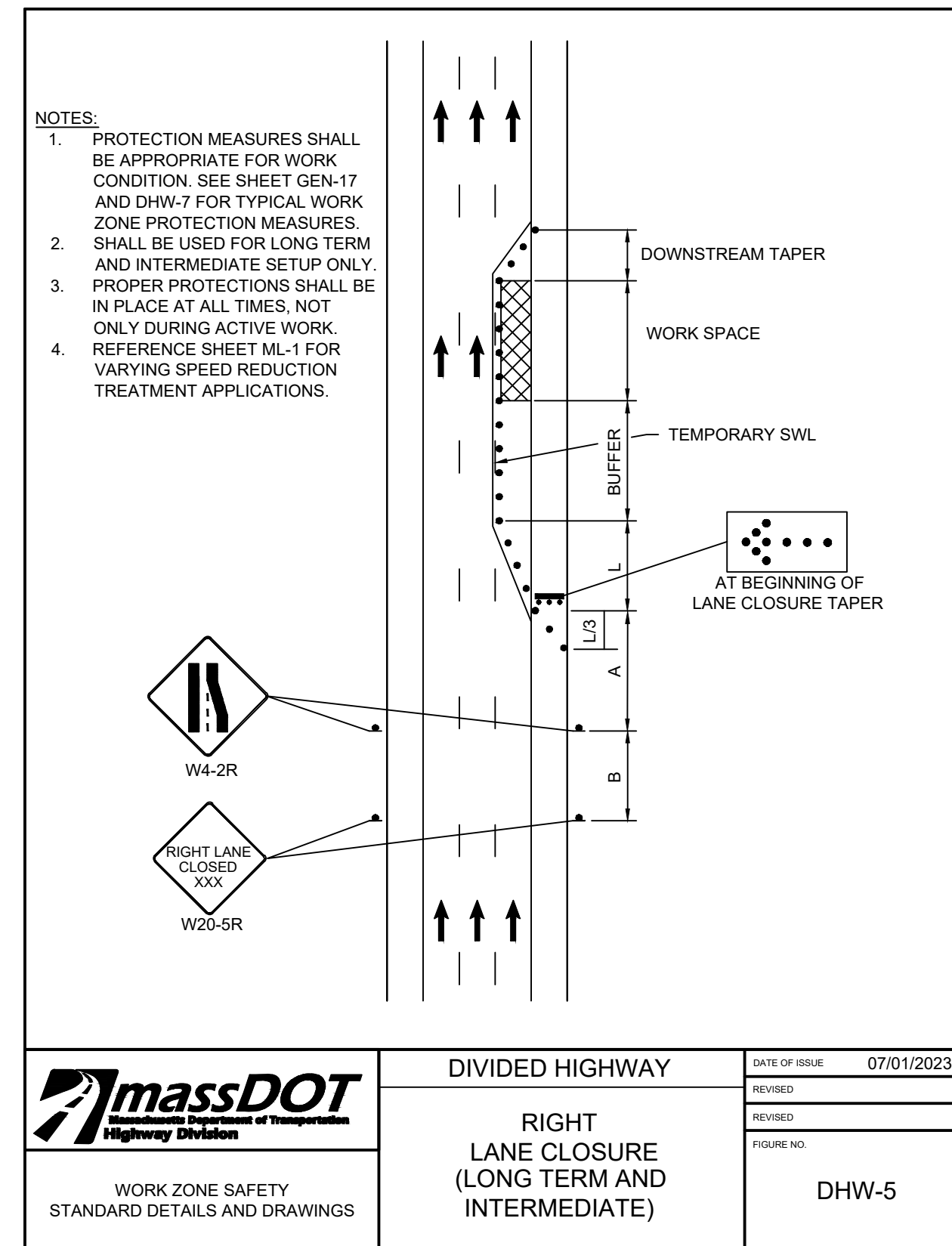
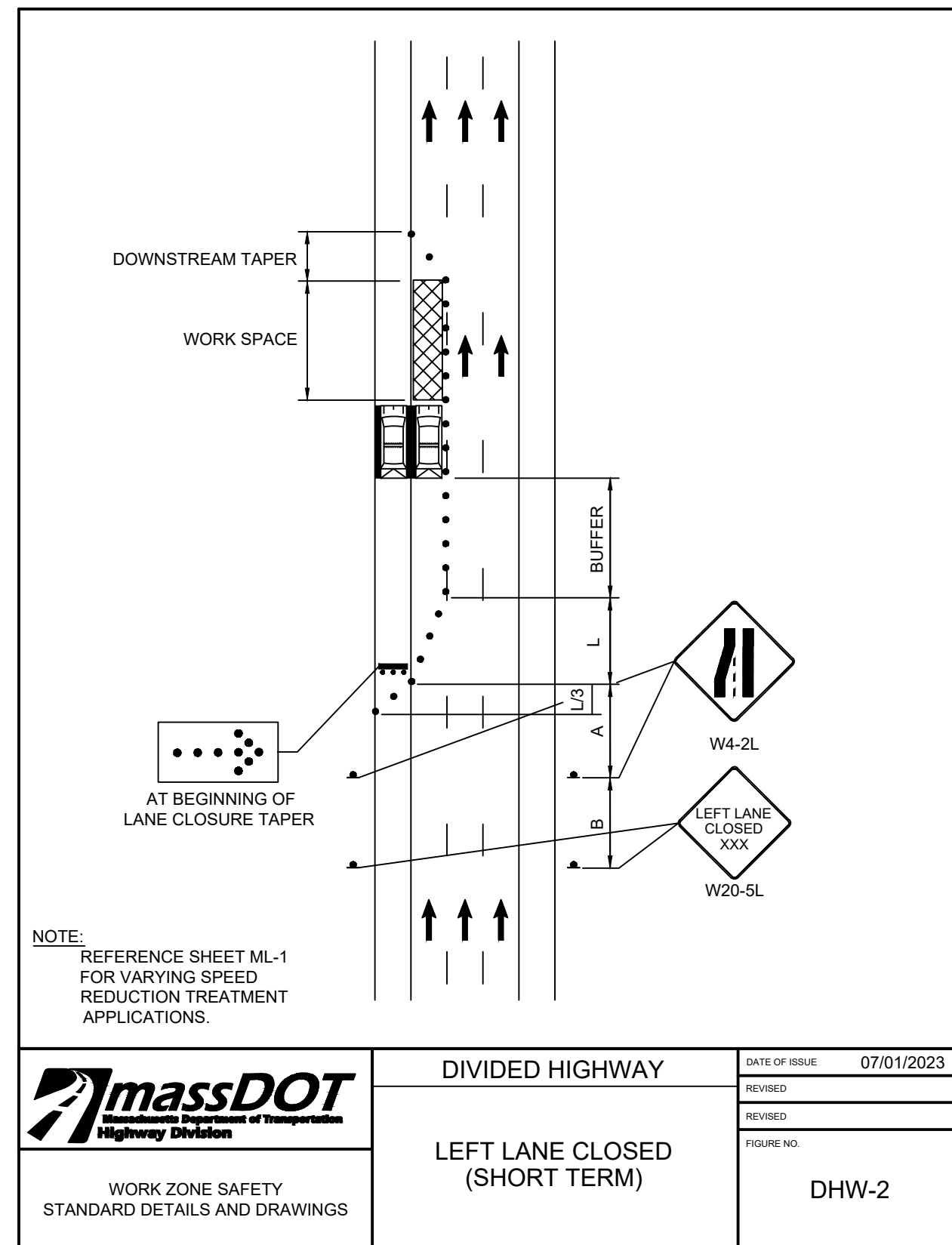
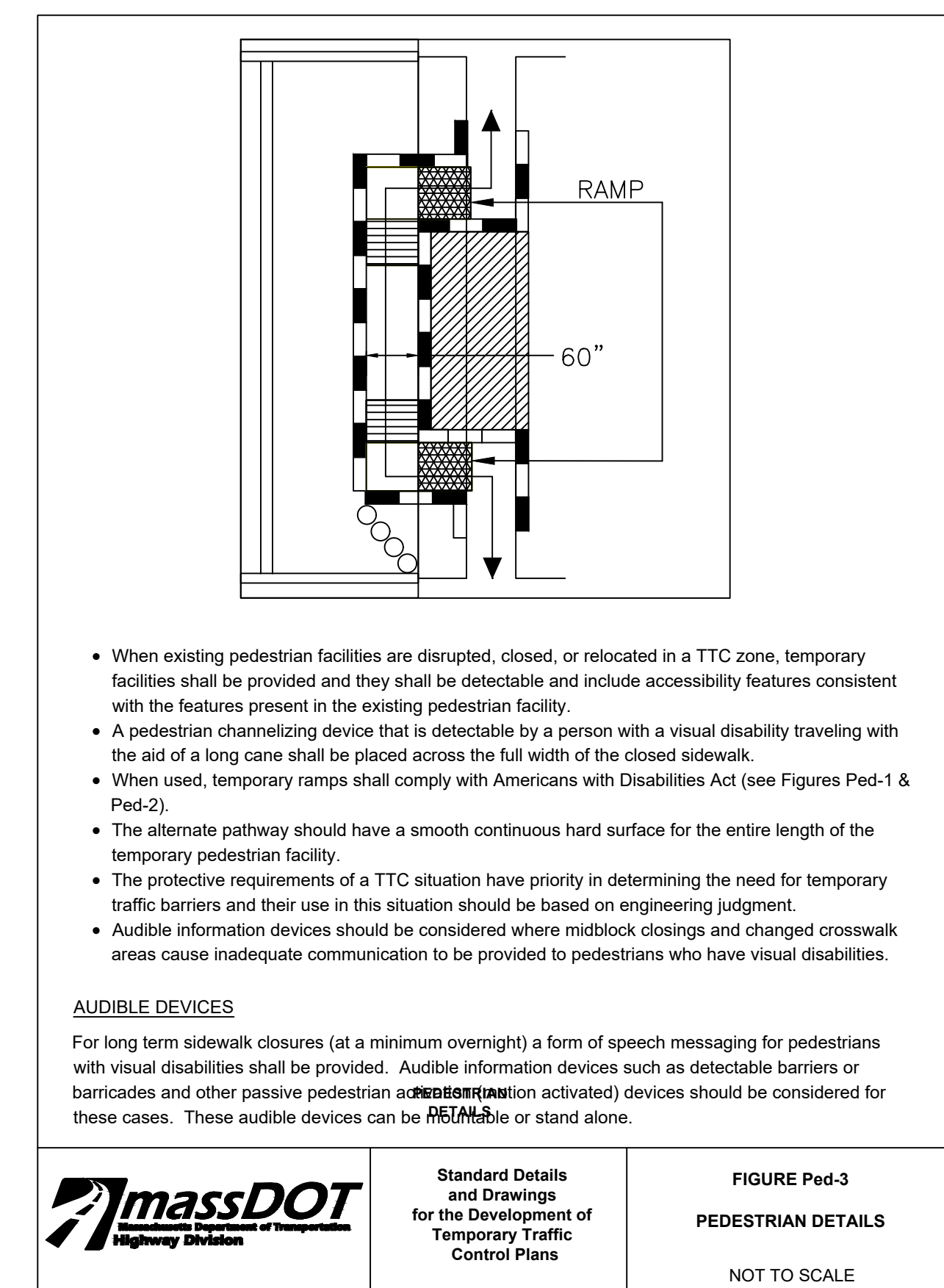
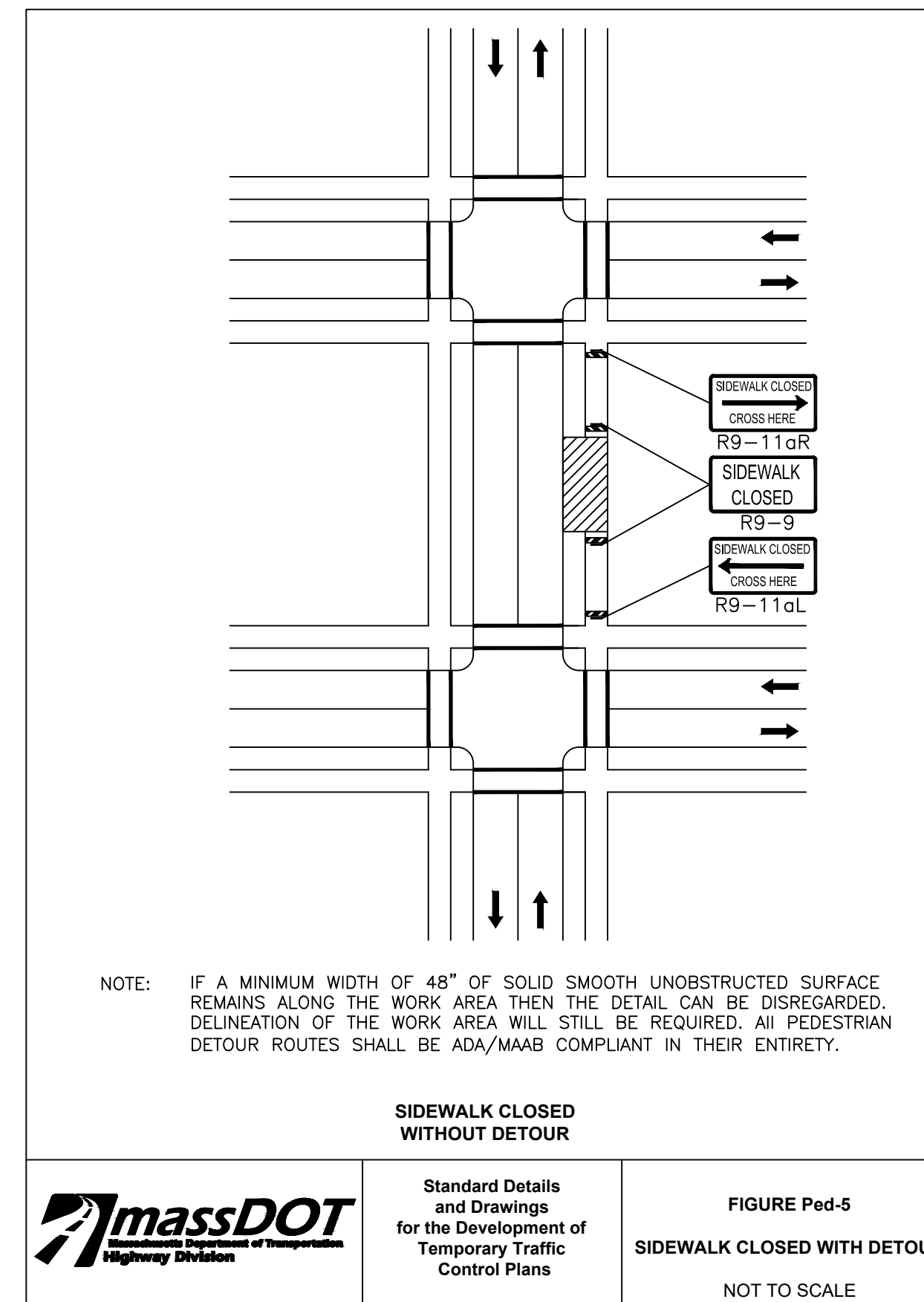
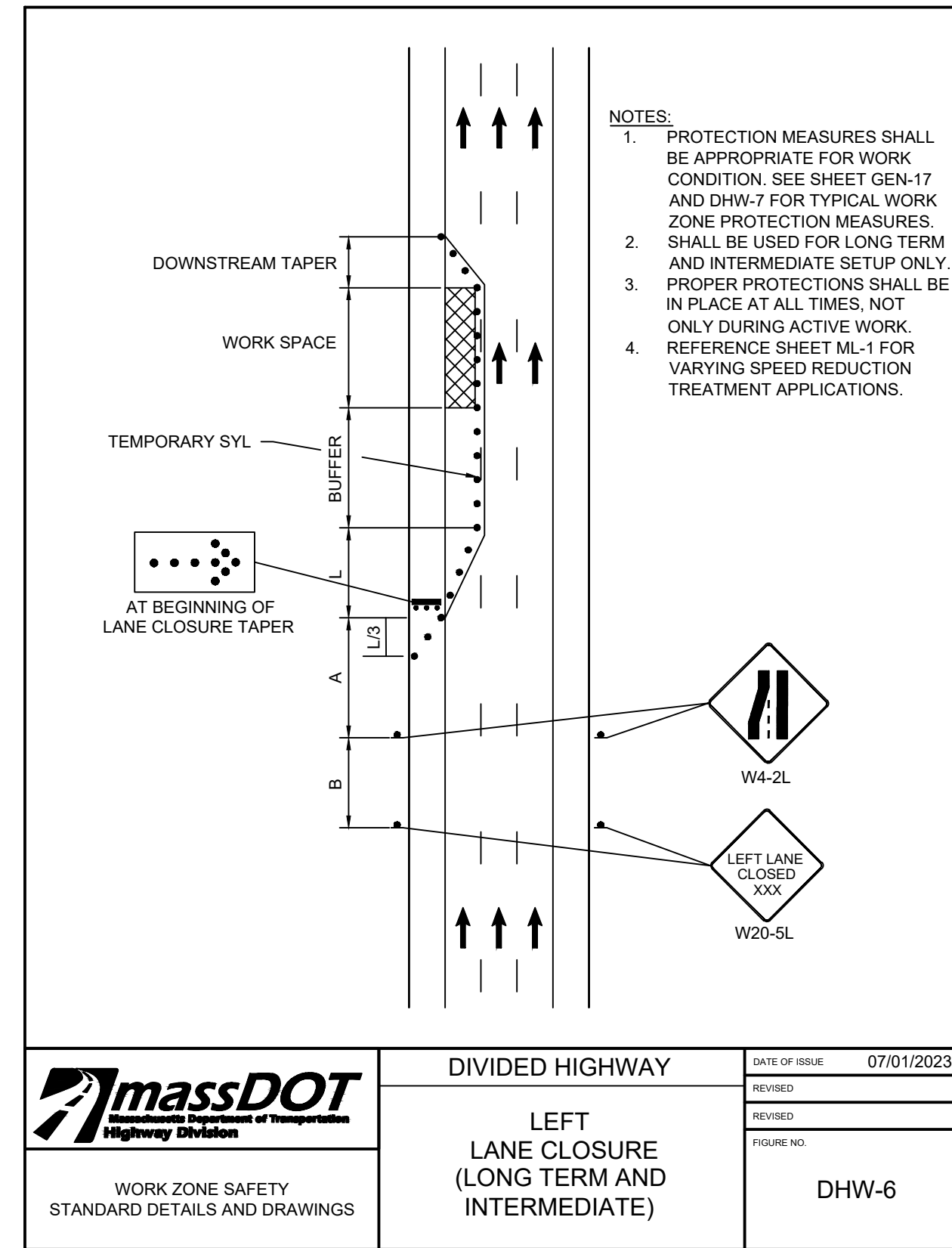
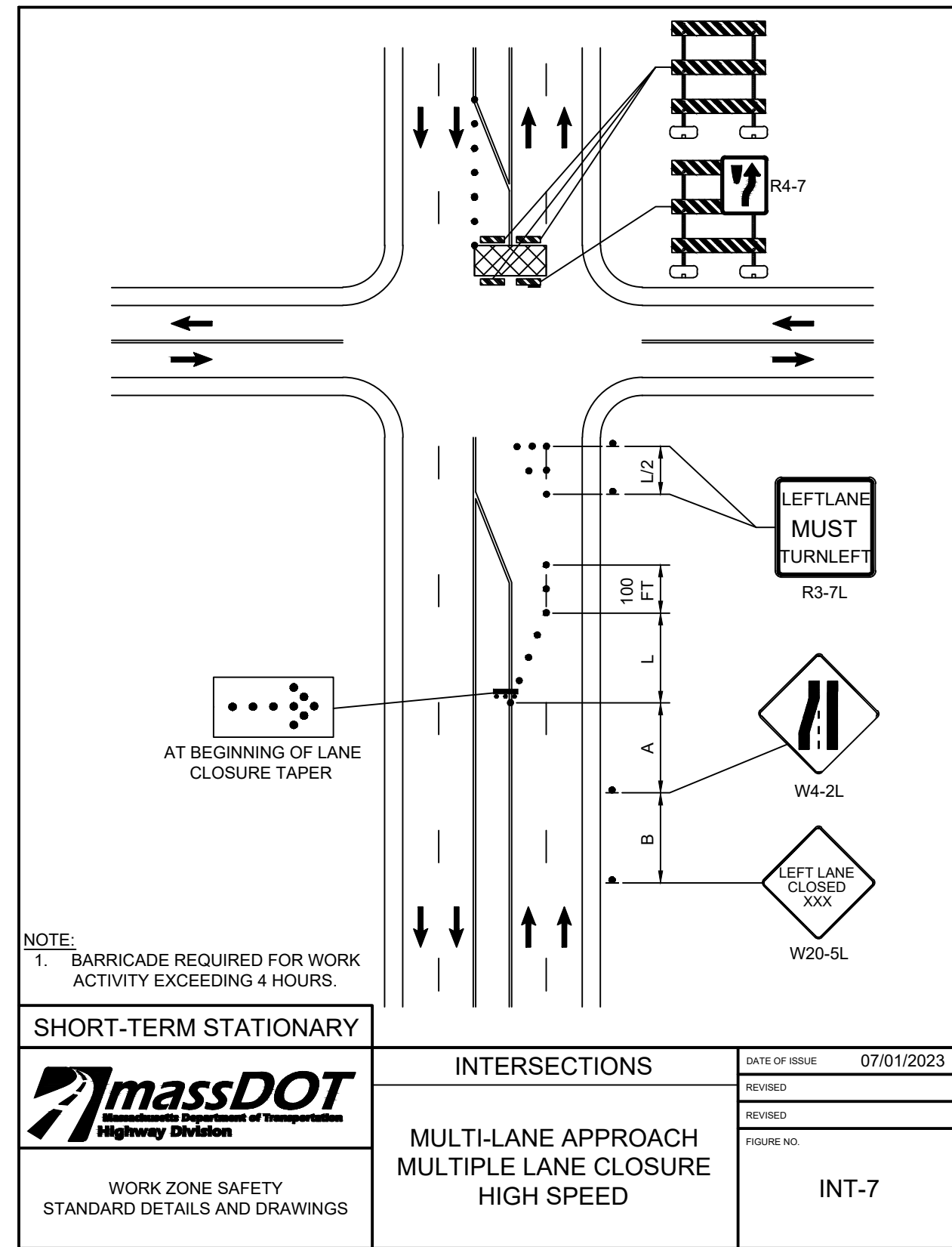
CITY OF QUINCY
TEMPORARY TRAFFIC CONTROL PLANS
ADAMS STREET EAST
QUINCY MASSACHUSETTS

PROJ. No.: 20190211.T40
DATE: SEPTEMBER 2024

TMP-102

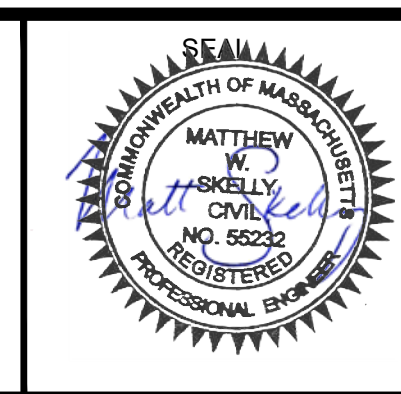
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 PC3: DWG TO PDF PC3_STB\CTB_FO STB
 LAYER STATE:



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DATUM:
HORZ.: NAD83
VERT.: NAVD88

GRAPHIC SCALE

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CITY OF QUINCY
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ADAMS STREET EAST
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PROJ. No.: 20190211.T40
DATE: SEPTEMBER 2024

TMP-103

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IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (in)			COLOR			SIGN FACE AREA (S.F.)
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R3-7L	30	30					WHITE	BLACK	BLACK	6.25
R4-7	24	30					WHITE	BLACK	BLACK	5.00
R9-9	30	18					WHITE	BLACK	BLACK	3.75
R9-10	48	24					WHITE	BLACK	BLACK	8.00
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R9-11aL	48	24					WHITE	BLACK	BLACK	8.00
R9-11aR	48	24					WHITE	BLACK	BLACK	8.00
W1-4L	36	36					FLRSCNT. ORANGE	BLACK	BLACK	9.00
W1-4R	36	36					FLRSCNT. ORANGE	BLACK	BLACK	9.00
W20-4	36	36					FLRSCNT. ORANGE	BLACK	BLACK	9.00
W20-5L	36	36					FLRSCNT. ORANGE	BLACK	BLACK	9.00
W20-5R	36	36					FLRSCNT. ORANGE	BLACK	BLACK	9.00
MA - W20-7b	36	36					FLRSCNT. ORANGE	BLACK	BLACK	9.00
W21-5a	36	36					FLRSCNT. ORANGE	BLACK	BLACK	9.00

TYPICAL CONSTRUCTION SIGNING
N.T.S.

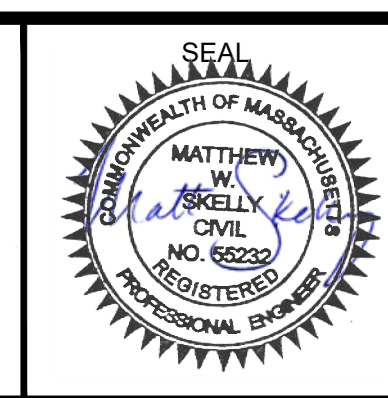
IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (in)			COLOR			SIGN FACE AREA (S.F.)
	WIDTH (IN)	HEIGHT (IN)		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.	BACK-GROUND	LEGEND	BORDER	
W4-2L	36	36		SEE FHWA 2004 STANDARD HIGHWAY SIGNS MANUAL & 2012 SUPPLEMENT (ENGLISH VERSION)			FLRSCNT. ORANGE	BLACK	BLACK	9.00
W4-2R	36	36					FLRSCNT. ORANGE	BLACK	BLACK	9.00
W4-7L	36	36					FLRSCNT. ORANGE	BLACK	BLACK	9.00
W4-7R	36	36					FLRSCNT. ORANGE	BLACK	BLACK	9.00
W5-1	36	36					FLRSCNT. ORANGE	BLACK	BLACK	9.00
W8-1	36	36					FLRSCNT. ORANGE	BLACK	BLACK	9.00
W8-3	36	36					FLRSCNT. ORANGE	BLACK	BLACK	9.00
W8-8	36	36					FLRSCNT. ORANGE	BLACK	BLACK	9.00
W11-2	30	30					FLRSCNT. ORANGE	BLACK	BLACK	6.25
W13-1	24	24					FLRSCNT. ORANGE	BLACK	BLACK	4.00
W16-7PL	24	12					FLRSCNT. ORANGE	BLACK	BLACK	2.00
W16-9P	24	12					FLRSCNT. ORANGE	BLACK	BLACK	2.00
W20-4	36	36					FLRSCNT. ORANGE	BLACK	BLACK	9.00

FIXED CONSTRUCTION SIGNING
N.T.S.

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (in)			ESTIMATED NUMBER OF SIGNS REQUIRED	COLOR			SIGN FACE AREA (S.F.)	TOTAL AREA (S.F.)
	WIDTH (IN)	HEIGHT (IN)		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND	BORDER		
MA-R2-10a	48	36		SEE MassDOT 2016 STANDARD SIGNS BOOK			4	FLRSCNT. ORANGE WHITE	BLACK BLACK	BLACK BLACK	12.00	48.00
MA-R2-10e	36	48		SEE MassDOT 2016 STANDARD SIGNS BOOK			3	FLRSCNT. ORANGE/ WHITE	BLACK	BLACK	12.00	36.00
W20-1c	36	36		SEE FHWA 2004 STANDARD HIGHWAY SIGNS MANUAL & 2012 SUPPLEMENT (ENGLISH VERSION)			11	FLRSCNT. ORANGE	BLACK	BLACK	9.00	99.00

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL



SCALE:
 HORZ.:
 VERT.:
 DATUM:
 HORZ.: NAD83
 VERT.: NAVD88
 GRAPHIC SCALE

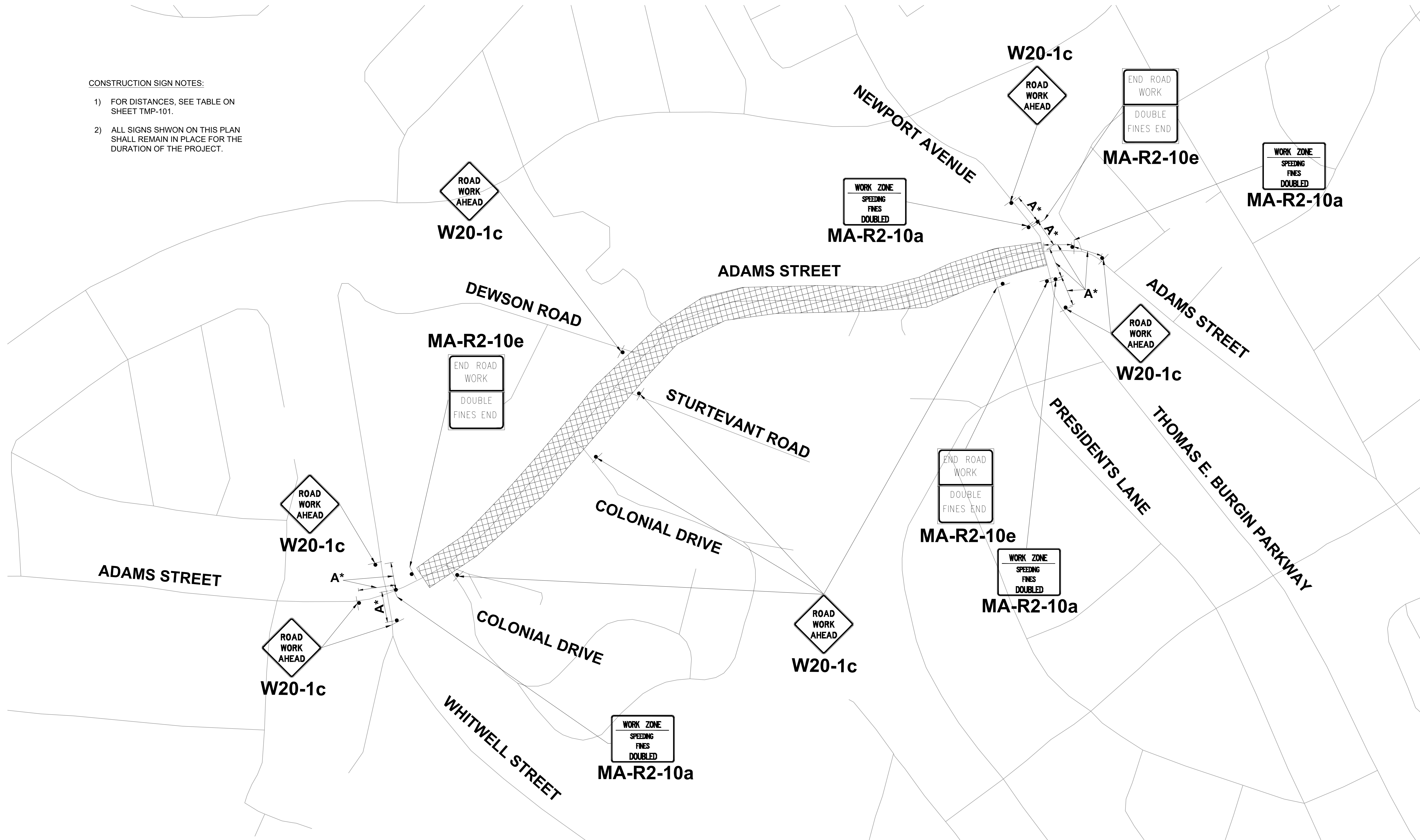
FUSS & O'NEILL
 108 MYRTLE STREET, SUITE 502
 QUINCY, MA 02171
 617.282.4875
 www.fandco.com

CITY OF QUINCY
 TEMPORARY TRAFFIC CONTROL PLANS
 ADAMS STREET EAST
 QUINCY MASSACHUSETTS

PROJ. No.: 20190211.T40
 DATE: SEPTEMBER 2024
TMP-201

CONSTRUCTION SIGN NOTES:

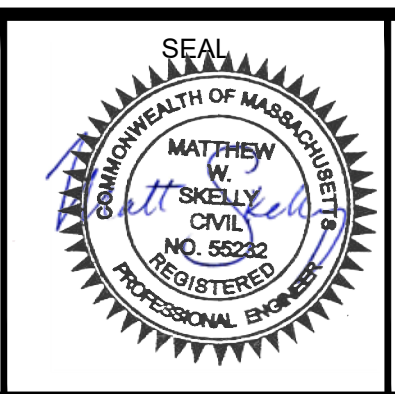
- 1) FOR DISTANCES, SEE TABLE ON SHEET TMP-101.
- 2) ALL SIGNS SHOWN ON THIS PLAN SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.



File: J:\DWG\2019\02\11\40\Civil\Plan\Adams St East\20190211\40_TMP202.dwg Layout: TMP-202 Plotted: 2024-09-10 4:33 PM Saved: 2024-08-16 4:23 PM User: Benjamin Cohen
 LAYER STATE: PC3: DWG TO PDF PC3: STB\CTB: FO STB

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL



SCALE:
 HORZ.: 1"= 150'
 VERT.:
 DATUM:
 HORZ.: NAD83
 VERT.: NAVD88

GRAPHIC SCALE

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 108 MYRTLE STREET, SUITE 502
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CITY OF QUINCY
 TEMPORARY TRAFFIC CONTROL PLANS
 ADAMS STREET EAST
 QUINCY MASSACHUSETTS

PROJ. No.: 20190211.T40
 DATE: SEPTEMBER 2024
TMP-202