

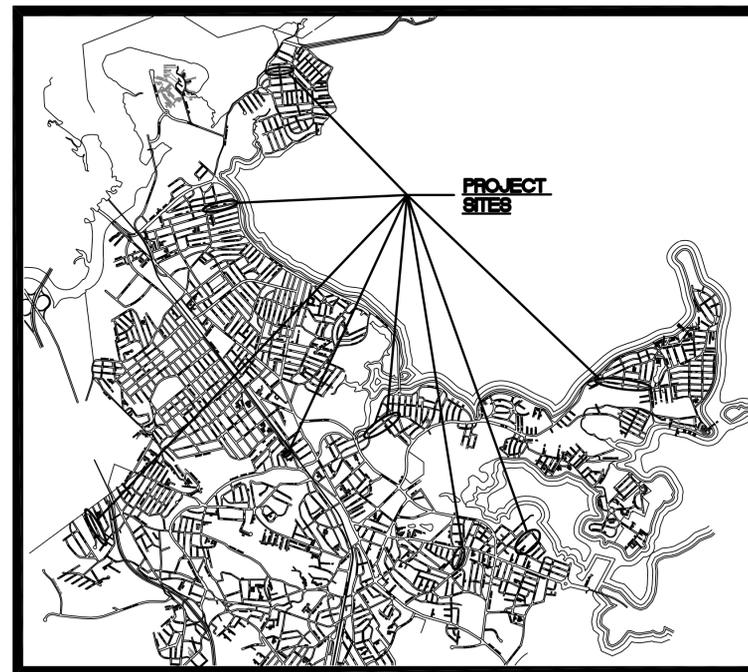
**CITY OF QUINCY  
DEPARTMENT OF  
PUBLIC WORKS**

**ROAD IMPROVEMENTS  
SPRING 2012**

**IN THE CITY OF  
QUINCY**

**DRAWING INDEX**

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*LOCUS MAP*

**THE HONORABLE THOMAS P. KOCH, MAYOR**

**DEPARTMENT OF PUBLIC WORKS**

**DANIEL G. RAYMONDI, COMMISSIONER**

**ENGINEERING DEPARTMENT**

**SHAWN P. HARDY, P.E., CITY ENGINEER**

## GENERAL SYMBOLS

EXISTING	PROPOSED	
		CATCH BASIN
		CATCH BASIN WITH CURB INLET CURB-TYPE NOTED
		EDGE OF ROAD
		ELECTRIC HAND HOLE
		ELECTRIC MANHOLE
		TELEPHONE MANHOLE
		SEWER MANHOLE
		WATER MANHOLE
		DRAINAGE MANHOLE
		GAS GATE VALVE
		WATER GATE VALVE
		WATER SHUTOFF
		HYDRANT
		FIRE ALARM BOX
		STREET LIGHT
		UTILITY POLE
		GUY POLE
		DRAIN PIPE (SIZE AND TYPE NOTED)
		SEWER MAIN
		ELECTRIC DUCT
		ELECTRIC DUCT W/ TRAFFIC INTERCONNECT CONDUIT ABOVE
		GAS MAIN
		WATER MAIN (SIZE AND TYPE NOTED)
		TELEPHONE DUCT
		FIRE ALARM
		CABLE TV
		HIGHWAY GUARD (TYPE NOTED)
		HIGHWAY / PROPERTY BOUND (TYPE NOTED)
		CONSTRUCTION BASELINE
		WHEELCHAIR RAMP
		TREE /CUT & REMOVE TREE ROOT
		MAIL BOX

## GENERAL SYMBOLS

EXISTING	PROPOSED	
		CONTROL CABINET GROUND MOUNTED
		CONTROL CABINET POLE MOUNTED
		FLASHING BEACON CONTROL & METER PEDESTAL SIGNAL POST & BASE
		MAST ARM, SHAFT & BASE (ARM LENGTH AS NOTED)
		VEHICULAR SIGNAL HEAD (ALPHANUMERIC DESIGNATION NOTED)
		VEHICULAR SIGNAL HEAD OPTICALLY PROGRAMMED (DO)
		FLASHING BEACON
		PEDESTRIAN SIGNAL HEAD
		PULL BOX 24 X 24
		CONTROLLER PHASE
		LOOP DETECTOR
		PEDESTRIAN PUSH BUTTON
		TRAFFIC SIGNAL

## ABBREVIATIONS

ABD.	ABANDON
ADJ.	ADJUST
BIT. CONC.	BITUMINOUS CONCRETE
BLDG.	BUILDING
CEM. CONC.	CEMENT CONCRETE
CW	CROSS WALK
DW	DRIVEWAY
EXIST.	EXISTING
FDN.	FOUNDATION
GRAN.	GRANITE
L.O.W.	LIMIT OF WORK
MHWY.	MASS HIGHWAY
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
PROP.	PROPOSED
R & R	REMOVE AND RESET
R & S	REMOVE AND STACK
RECONSTR.	RECONSTRUCTION
RELOC.	RELOCATE
REM.	REMOVE
REMOD.	REMODEL
RET.	RETAIN
REPL.	REPLACE
SW	SIDEWALK
WCR	WHEELCHAIR RAMP

## CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL NOT INSTALL ANY TOP COURSE OF PAVEMENT WITHOUT FIRST APPLYING BITUMEN FOR TACK/PRIME COAT AS SPECIFIED AND DIRECTED BY THE ENGINEER AND AS NOTED IN THE DIVISION TWO-TECHNICAL SPECIFICATION SECTION. HOT Poured RUBBERIZED ASPHALT SEALANT SHALL ALSO BE APPLIED TO LONGITUDINAL AND TRANSVERSE JOINTS AS PER THE MHWY STANDARD SPECIFICATIONS, SECTION 460. THE SEALANT SHALL BE CONSIDERED INCIDENTAL TO ALL CLASS I BITUMINOUS CONCRETE PAVEMENTS OF SAID SECTION.
2. LOCATIONS OF M.H., G.G., W.G., ETC. ARE APPROXIMATE & SHOWN ONLY AS AN AID TO ASSIST BIDDERS IN DETERMINING EXACT LOCATION OF EXISTING UTILITIES & SUBSURFACE STRUCTURES, THEREFORE EXACT LOCATION AND COMPLETENESS IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR MAKING FIELD INVESTIGATIONS & OBTAINING INFORMATION FROM UTILITY COMPANIES & INDIVIDUALS TO PINPOINT THE LOCATION & ELEVATIONS OF ALL SUBSURFACE UTILITIES & STRUCTURES PRIOR TO THE START OF CONSTRUCTION.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL WORK AS INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS & AS DIRECTED BY THE ENGINEER IN CONFORMANCE WITH ALL APPLICABLE CODES IN A PROPER AND WORKMANLIKE MANNER.
4. THE CONTRACTOR SHALL OBSERVE OSHA STANDARD FOR SAFETY.
5. WHERE THE EXISTING SIDEWALK IS TO BE REMOVED AS IT ABUTS A WALL, BUILDING FACE, OR ANY OTHER EXISTING FEATURE, EXTREME CARE SHALL BE EXERCISED BY THE CONTRACTOR, AND ANY DAMAGE RESULTING SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
6. ADJUSTMENT OR REMOVAL OF GAS, TEL. & ELEC. STRUCTURES SHALL BE BY OTHERS. ALL DRAIN AND SEWER MANHOLES, WATER GATES & OTHER MUNICIPAL & STATE OWNED UTILITY BOXES OR STRUCTURES WITHIN THE CONSTRUCTION AREA SHALL BE ADJUSTED TO MEET NEW GRADE BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
7. DUE TO THE EXISTENCE OF SENSITIVE UTILITIES SUCH AS ELECTRICAL CONDUITS AND TELEPHONE FIBER OPTIC CABLES, EXTREME CAUTION MUST BE TAKEN WHENEVER TRENCHING.
8. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT, FROM TIME TO TIME, OTHER PARTIES MAY BE WORKING IN THE CONTRACTOR'S WORK AREA. THE CONTRACTOR SHALL COORDINATE & COOPERATE WITH OTHER PARTIES WORKING CONCURRENTLY IN THE PROJECT AREA, INCLUDING WORK INSTALLING, REMOVING & REPLACING EXISTING ELECTRIC, TELEPHONE, GAS & CABLE TELEVISION LINES.
9. EXISTING ACTIVITIES MUST BE MAINTAINED BY THE CONTRACTOR AT ALL TIMES, INCLUDING: VEHICULAR TRAFFIC, PEDESTRIAN MOVEMENT, PARKING AND BUSINESS ACTIVITIES.
10. WHERE UTILITIES (CONDUIT, DRAIN PIPE, ETC.) ARE SHOWN INSTALLED OUTSIDE OF THE PAVEMENT LIMITS, THE SURFACE SHALL BE PERMANENTLY RESTORED AS SHOWN IN THE DETAILS.
11. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO POST ALL TEMPORARY "NO PARKING" SIGNS FOR THE CONVENIENCE OF CONSTRUCTION ACTIVITY. EXPENSES FOR TOWING SHALL BE THE CONTRACTOR'S RESPONSIBILITY AT LOCATIONS WHERE "NO PARKING" SIGNS HAVE NOT BEEN POSTED.

## PAVEMENT MARKINGS AND SIGNING SYMBOLS

EXISTING	PROPOSED	
		PAVEMENT ARROW AND LEGEND
		CROSSWALK
		STOP LINE, 300mm WHITE LINE 1.2m BEHIND CW (TYP.)
		SIGN AND POST
		SIGN MTD ON LIGHT POST
		SOLID WHITE LANE LINE - 100mm
		BROKEN WHITE LANE LINE - 100mm
		BROKEN YELLOW CENTERLINE - 100mm
		DOUBLE YELLOW CENTERLINE - 2-100mm LINES
		SOLID YELLOW BARRIER LINE - 100mm
		SOLID YELLOW EDGE LINE - 100mm
		SOLID WHITE EDGE LINE - 100mm

CITY OF QUINCY, MASSACHUSETTS

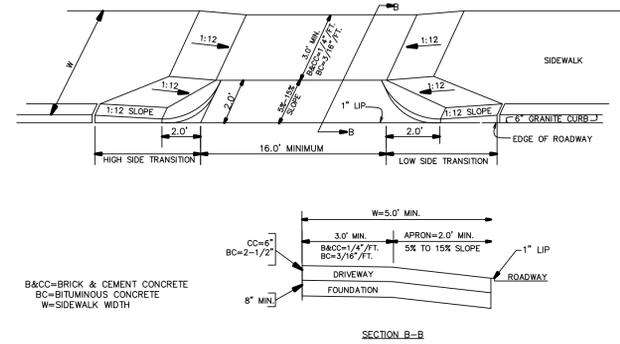
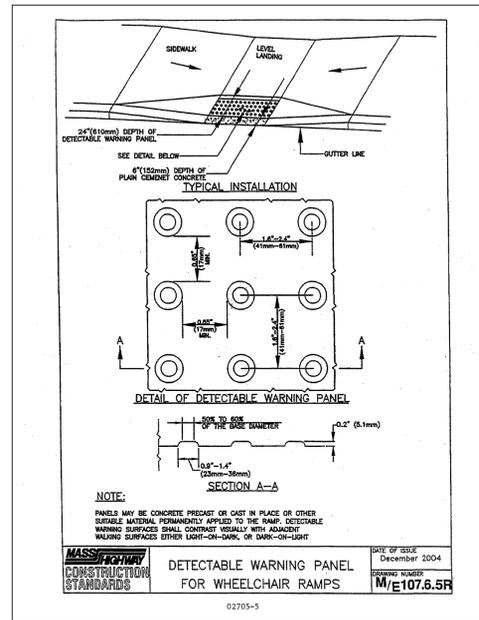
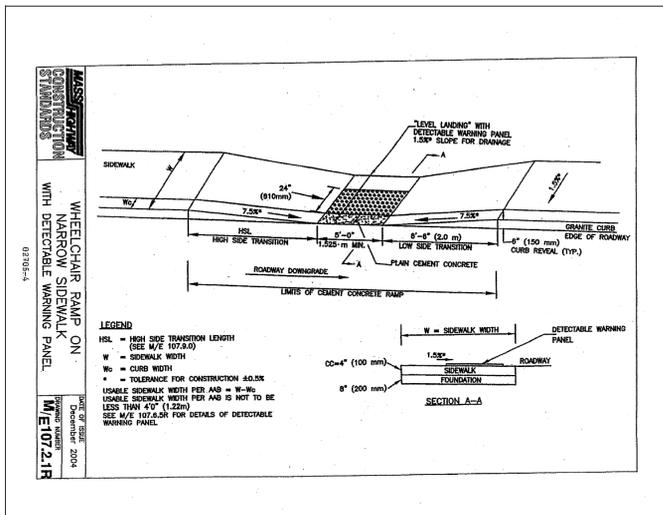
ROAD IMPROVEMENTS  
SPRING 2012

LEGEND & GENERAL NOTES

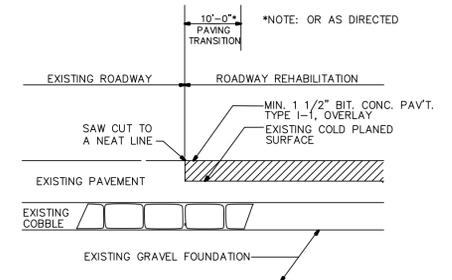
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DRAWN	NBG	DES'D.	JVG	APPRD.	SPH

CITY OF QUINCY, ENGINEERING DEPT.  
55 SEA STREET  
QUINCY, MASS. 02169

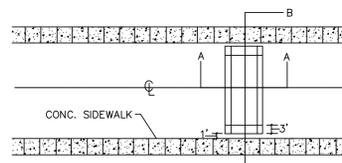
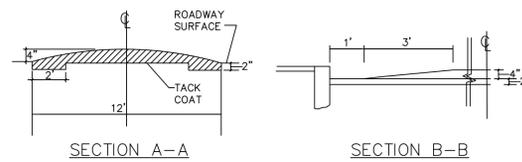
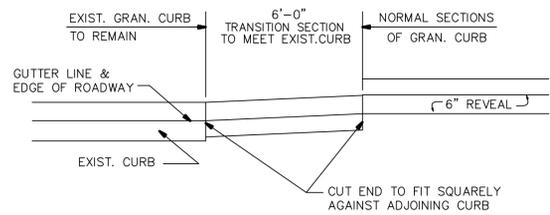
2 OF 13



SURFACE: 1 1/2" BIT. CONC. PAVEMENT (TYPE I-1) OVERLAY.  
 BASE: EXISTING ROADWAY SURFACE W/ TACK COAT OR EXISTING COLD PLANED SURFACE W/ TACK COAT 1/20 CAL/SY BITUMEN (RS-1)



**AREAS OF PROPOSED WIDENING / FULL DEPTH ROADWAY AREAS**



**SPEED HUMP DETAIL**  
 N.T.S.

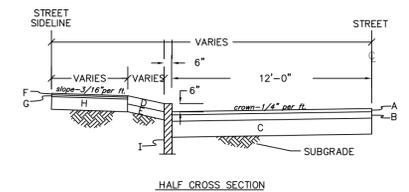
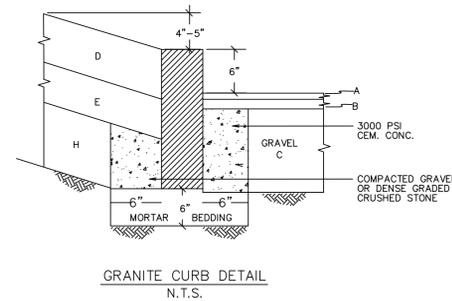


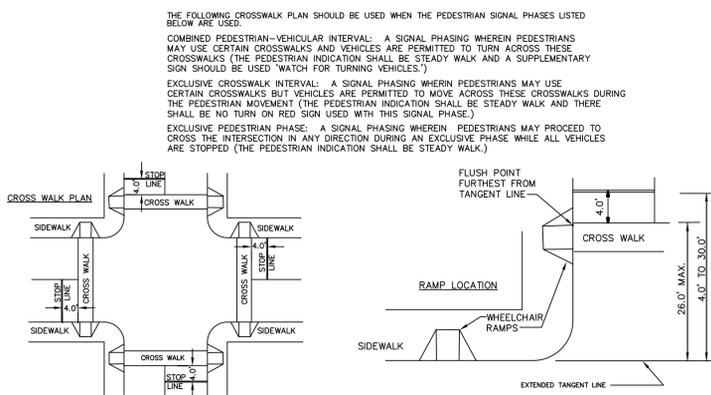
TABLE 2 - PAVEMENT STRUCTURE

MINIMUM REQUIREMENTS	
A	FINISH COURSE (BIT) 1 1/2"
B	BASE COURSE (BIT) 2 1/2"
C	GRAVEL SUB-BASE 12"
D	LOAM BORDER 6"
E	SUB-SOIL 6"
F	FINISH COURSE (BIT) 1"
G	BASE COURSE (BIT) 1 1/2"
H	GRAVEL SUB-BASE 8"
I	VA-3 GRANITE CURB 19"-21"
J	CEMENT CONCRETE SIDEWALK 4"

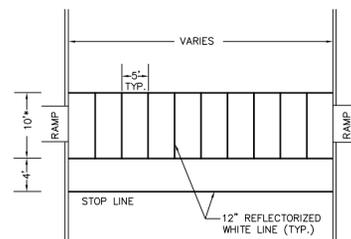
**TYPICAL STREET SECTION**  
 40 FT. R.O.W.

NOTES:

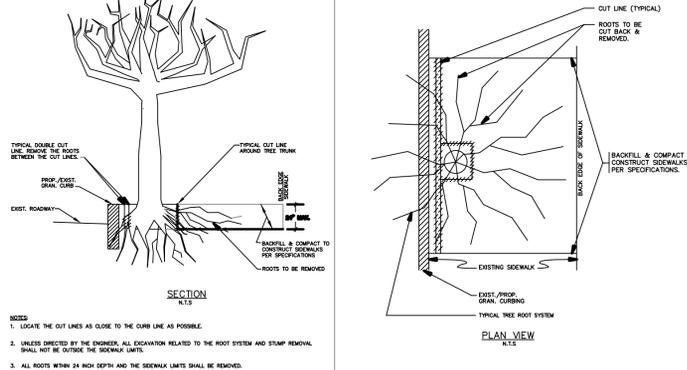
- ALL THICKNESSES ARE THE COMPACTED MINIMUM DEPTHS. ALL MATERIALS PLACED SHALL BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY.
- THE PAVEMENT STRUCTURE SPECIFIED IN TABLE 2 ABOVE APPLIES TO ALL STREETS WITH RIGHT-OF-WAY WIDTHS OF UP TO 50 FEET. ITEMS C & H ABOVE COULD BE GREATER THAN THE SPECIFIED DEPTH DEPENDING ON THE SUBGRADE CONDITIONS.



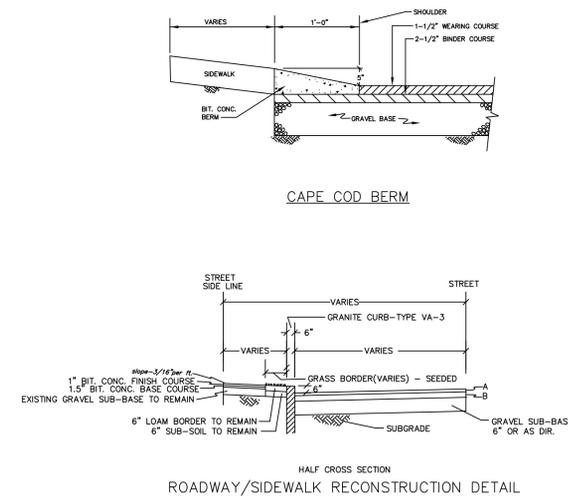
**PAIRED WHEELCHAIR RAMP CONDITION**



\* NOTE: CROSSWALK SHALL BE 10' WIDE UNLESS NOTED OTHERWISE ON THE PLANS.



**TREE ROOT SYSTEM REMOVAL DETAIL**  
 N.T.S.



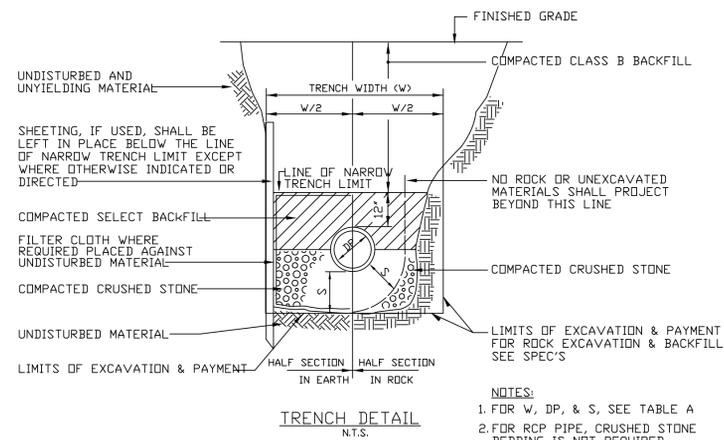
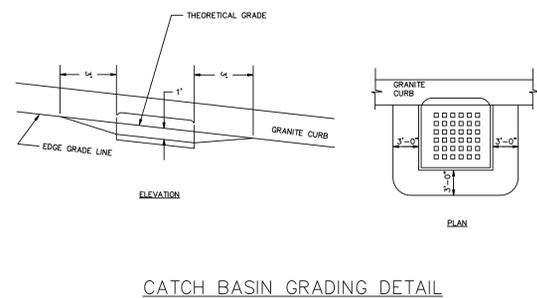
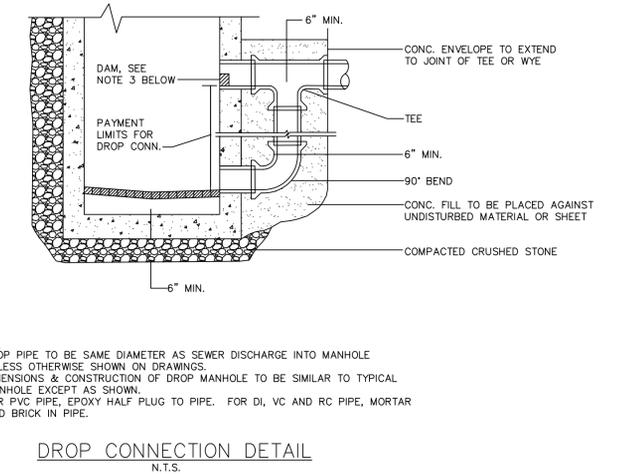
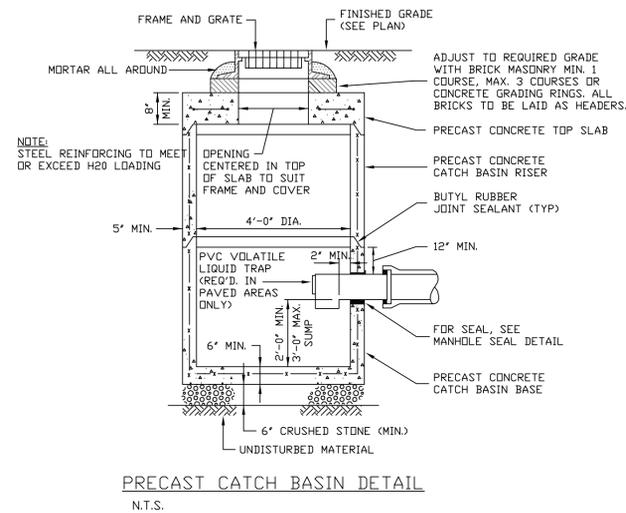
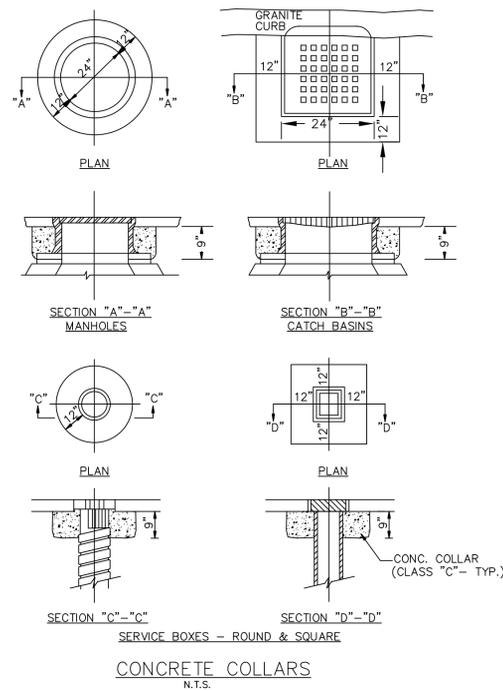
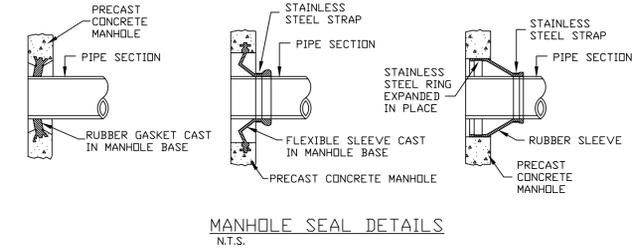
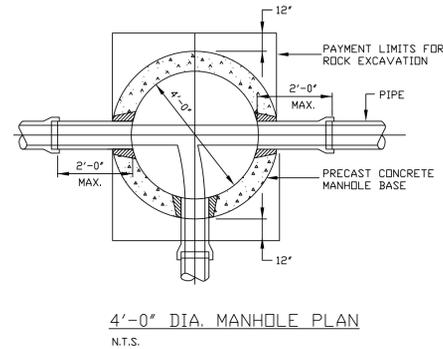
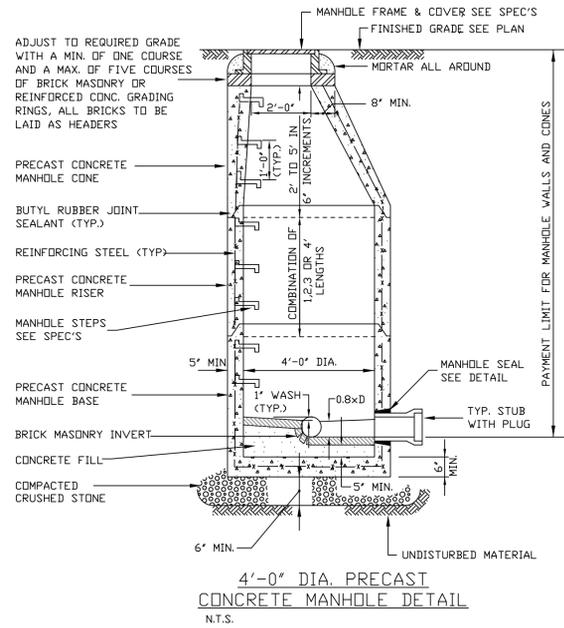
**ROADWAY/SIDEWALK RECONSTRUCTION DETAIL**  
 HALF CROSS SECTION

**CITY OF QUINCY, MASSACHUSETTS**

**ROAD IMPROVEMENTS**  
**SPRING 2012**

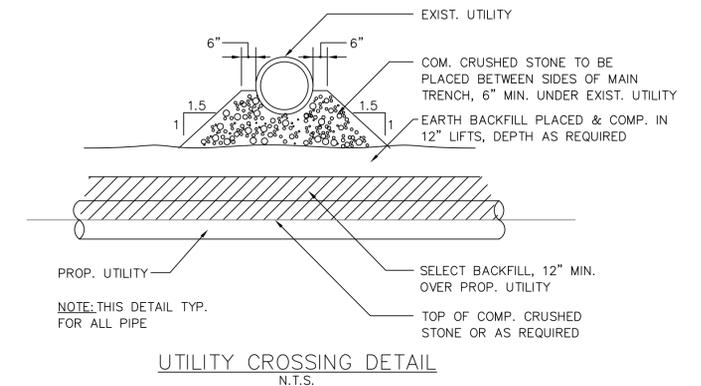
**DETAILS**

SCALE	N.T.S.	DATE	03/12		
DRAWN	NBG	DES'D.	JVG	APPRD.	SPH
CITY OF QUINCY, ENGINEERING DEPT. 55 SEA STREET QUINCY, MASS. 02169					DWG.NO 3 OF 13



DEPTH TO INVERT	DIAMETER OF PIPE (DP)	MAXIMUM TRENCH WIDTH BELOW LINE OF NARROW TRENCH LIMIT (SHEETED OR UNSHEETED) (W)	MINIMUM CLEARANCE (S)
0-12'	TO 18"	5'	6"
0-12'	21"-24"	5'	7-1/2"
OVER 12'	TO 18"	7'	6"
OVER 12'	21"-24"	7'	7-1/2"
OVER 12'	24"-36"	7'	7-1/2"

TABLE A

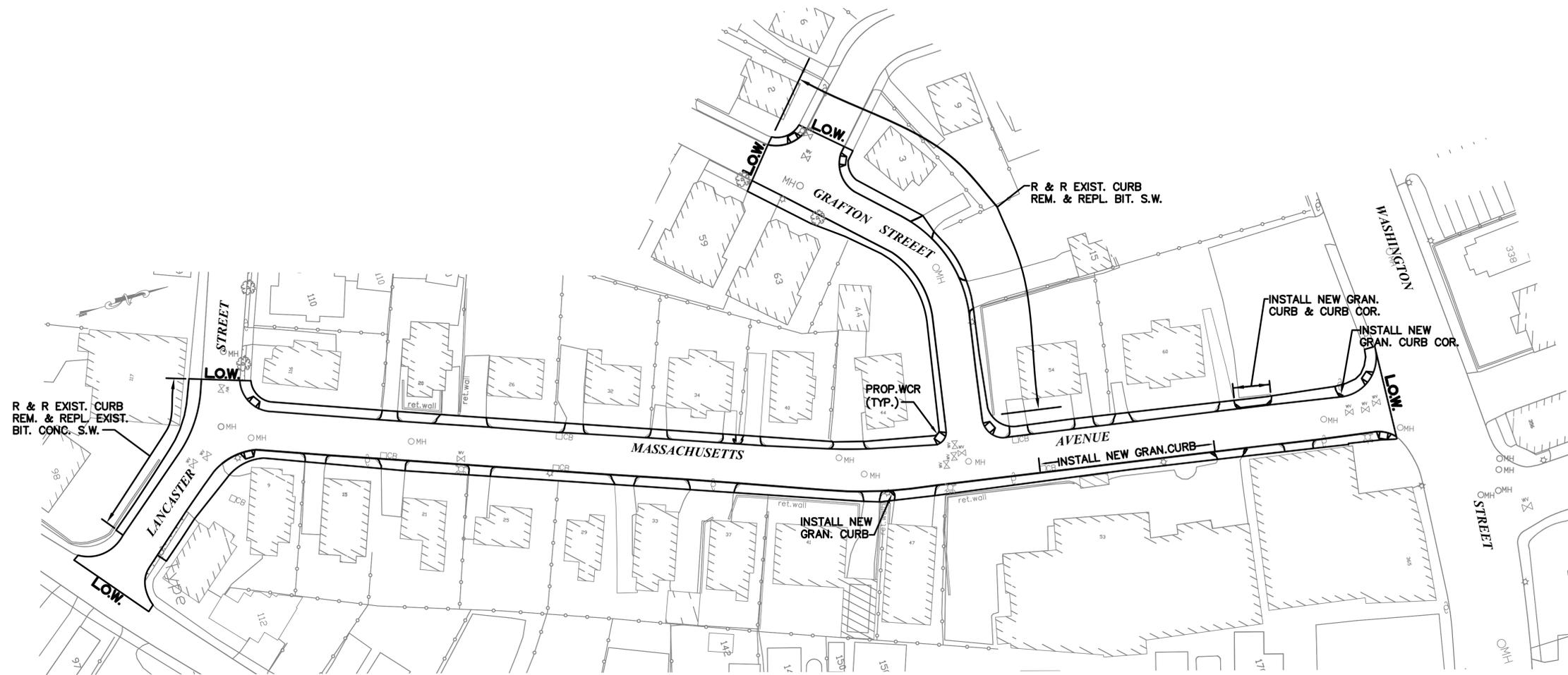


CITY OF QUINCY, MASSACHUSETTS

ROAD IMPROVEMENTS  
SPRING 2012

DETAILS

SCALE	N.T.S.	DATE	03/12		
DRAWN	NBG	DES'D.	JVG	APPRD.	SPH
CITY OF QUINCY, ENGINEERING DEPT. 55 SEA STREET QUINCY, MASS. 02169					DWG. NO 4 OF 13



**SCOPE OF WORK:**

FULL DEPTH RECLAMATION  
 INSTALL 2½" BINDER AND 1½" TOP COURSE  
 INSTALL NEW CEM. CONC. SIDEWALKS AND DRIVEWAY APRONS  
 INSTALL NEW CEM. CONC. WCR'S W/DETECTABLE WARNING PANELS  
 R & R EXIST. GRAN. CURB & INSTALL NEW CURB AS NOTED  
 DROP AND ADJUST ALL UTILITIES AS REQUIRED  
 LOAM AND SEED AS REQUIRED  
 INSTALL REFLECTORIZED THERMOPLASTIC AS REQUIRED

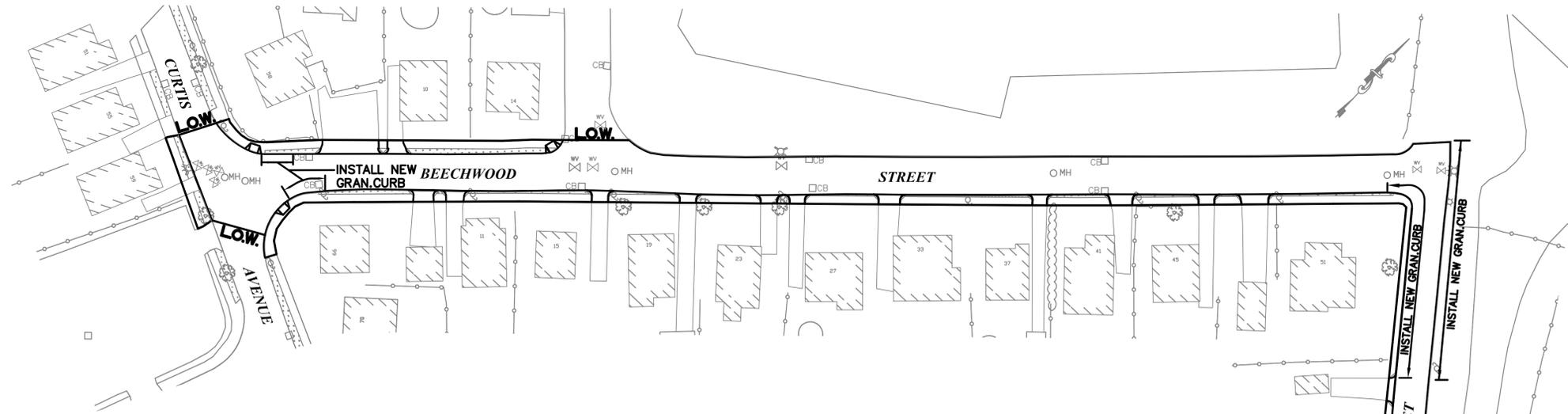
**GENERAL CONSTRUCTION NOTES:**

1. THE CONTRACTOR SHALL NOT INSTALL ANY TOP COURSE OF PAVEMENT WITHOUT FIRST APPLYING BITUMIN FOR TACK/PRIME FIRST AS SPECIFIED AND DIRECTED BY THE ENGINEER AND THE DIVISION TWO - TECHNICAL SPECIFICATION SECTION. ALSO EMULSIFIER SHALL BE APPLIED ON ALL LONGITUDINAL TRANSFER JOINTS AND AS DIRECTED BY THE ENGINEER.
2. ALL TRANSITIONS TO MEET GRADES OF EXISTING ROADS OUTSIDE OF WORK LIMITS, UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO CHECK DOORWAY ELEVATIONS BEFORE SETTING CURB AND MAINTAIN PROPER SIDEWALK CROSS SLOPES.
4. THE PAVEMENT SECTION SHOWN ON SHEET 3 SHALL BE FOLLOWED UNLESS STATED OTHERWISE.
5. ALL ROADWAYS ARE TO BE GRADED TO EXISTING DRAINS. THE CONTRACTOR SHALL BE RESPONSIBLE TO CHECK THE GRADE ON SITE AND INFORM THE ENGINEER OF ANY DISCREPANCIES.
6. WATER, SEWER & DRAIN LOCATIONS TO BE VERIFIED BY CITY OF QUINCY DPW.
7. ALL TRAFFIC WARNING SIGNS TO BE ALUMINUM PANELS WITH REFLECTIVE SHEETING. TEXT AND COLOR SHALL MEET MUTCD STANDARD.
8. ANY AND ALL SIGN POSTS OR SIGNS REMOVED OR DAMAGED DURING THE COURSE OF CONSTRUCTION SHALL BE REPLACED AND RESET RESPECTIVELY AT THE CONTRACTOR'S EXPENSE.

CITY OF QUINCY, MASSACHUSETTS						
ROAD IMPROVEMENTS SPRING 2012						
MASSACHUSETTS AVENUE						
SCALE	1"=40'	DATE	03/12			
DRAWN	NBG	DES'D.	JVG	APPRD.	SPH	
CITY OF QUINCY, ENGINEERING DEPT. 55 SEA STREET QUINCY, MASS. 02169						DWG.NO 5 OF 13

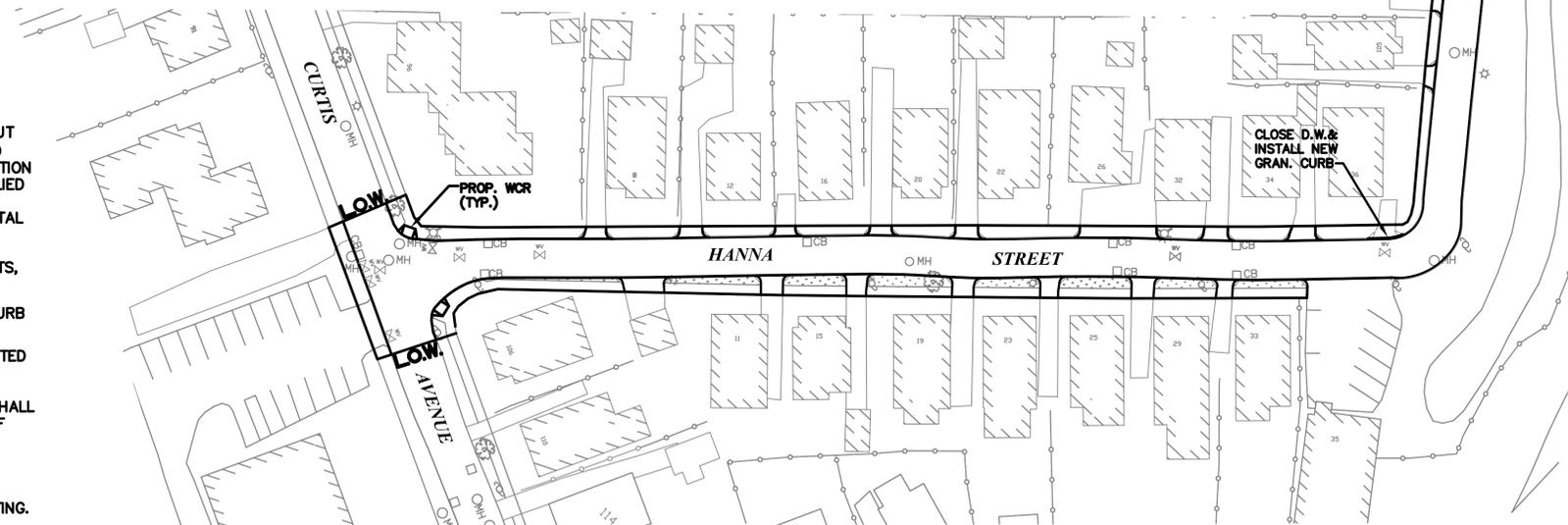
**SCOPE OF WORK FOR BEECHWOOD ST:**

FULL DEPTH RECLAMATION  
 INSTALL 2½" BINDER AND 1½" TOP COURSE  
 INSTALL NEW BIT. CONC. SIDEWALKS AND DRIVEWAY APRONS  
 INSTALL NEW CEM. CONC. WCR'S W/DETECTABLE WARNING PANELS  
 R & R EXIST GRAN. CURB AND INSTALL NEW GRAN. CURB  
 DROP AND ADJUST ALL UTILITIES AS REQUIRED  
 LOAM AND SEED AS REQUIRED  
 INSTALL REFLECTORIZED THERMOPLASTIC AS REQUIRED



**SCOPE OF WORK FOR HANNA ST:**

FULL DEPTH RECLAMATION  
 INSTALL 2½" BINDER AND 1½" TOP COURSE  
 INSTALL NEW BIT. SIDEWALKS AND DRIVEWAY APRONS  
 INSTALL NEW CEM. CONC. WCR'S W/DETECTABLE WARNING PANELS  
 R & R EXIST GRAN. CURB  
 DROP AND ADJUST ALL UTILITIES AS REQUIRED  
 LOAM AND SEED AS REQUIRED  
 INSTALL REFLECTORIZED THERMOPLASTIC AS REQUIRED



**SCOPE OF WORK FOR FOLLET ST:**

FULL DEPTH RECLAMATION  
 INSTALL 2½" BINDER AND 1½" TOP COURSE  
 INSTALL NEW BIT. CONC. DRIVEWAY APRONS  
 DROP AND ADJUST ALL UTILITIES AS REQUIRED  
 LOAM AND SEED AS REQUIRED

**GENERAL CONSTRUCTION NOTES:**

1. THE CONTRACTOR SHALL NOT INSTALL ANY TOP COURSE OF PAVEMENT WITHOUT FIRST APPLYING BITUMEN FOR TACK/PRIME COAT AS SPECIFIED AND DIRECTED BY THE ENGINEER AND AS NOTED IN THE DIVISION TWO-TECHNICAL SPECIFICATION SECTION. HOT Poured RUBBERIZED ASPHALT SEALANT SHALL ALSO BE APPLIED TO LONGITUDINAL AND TRANSVERSE JOINTS AS PER THE MHWY STANDARD SPECIFICATIONS, SECTION 460. THE SEALANT SHALL BE CONSIDERED INCIDENTAL TO ALL CLASS I BITUMINOUS CONCRETE PAVEMENTS OF SAID SECTION.
2. ALL TRANSITIONS TO MEET GRADES OF EXISTING ROADS OUTSIDE OF WORK LIMITS, UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO CHECK DOORWAY & WALKWAY ELEVATIONS BEFORE SETTING CURB AND MAINTAIN PROPER SIDEWALK CROSS SLOPES.
4. THE PAVEMENT SECTION SHOWN ON SHEET 3 SHALL BE FOLLOWED UNLESS STATED OTHERWISE.
5. ALL ROADWAYS ARE TO BE GRADED TO EXISTING DRAINS. THE CONTRACTOR SHALL BE RESPONSIBLE TO CHECK THE GRADE ON SITE AND INFORM THE ENGINEER OF ANY DISCREPANCIES.
6. WATER, SEWER & DRAIN LOCATIONS TO BE VERIFIED BY CITY OF QUINCY DPW.
7. ALL TRAFFIC WARNING SIGNS TO BE ALUMINUM PANELS WITH REFLECTIVE SHEETING. TEXT AND COLOR SHALL MEET MUTCD STANDARD.
8. ANY AND ALL SIGN POSTS OR SIGNS REMOVED OR DAMAGED DURING THE COURSE OF CONSTRUCTION SHALL BE REPLACED AND RESET RESPECTIVELY AT THE CONTRACTOR'S EXPENSE.

CITY OF QUINCY, MASSACHUSETTS

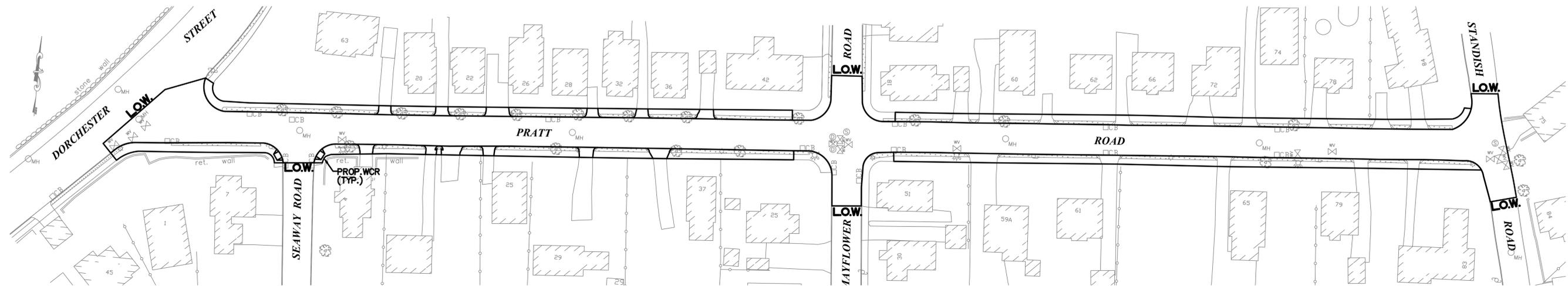
ROAD IMPROVEMENTS  
 SPRING 2012

BEECHWOOD, FOLLET AND HANNA STREETS

SCALE	1"=40'	DATE	03/12		
DRAWN	NBG	DES'D.	JVG	APPRD.	SPH
CITY OF QUINCY, ENGINEERING DEPT. 55 SEA STREET QUINCY, MASS. 02169					DWG.NO 6 OF 13

**SCOPE OF WORK:**

FULL DEPTH RECLAMATION  
 INSTALL 2½" BINDER AND 1½" TOP COURSE  
 INSTALL NEW BIT. CONC. SIDEWALKS AND DRIVEWAY APRONS  
 INSTALL NEW CEM. CONC. WCR's W/DETECTABLE WARNING PANELS  
 R & R EXIST. GRAN. CURB  
 DROP AND ADJUST ALL UTILITIES AS REQ.  
 LOAM AND SEED AS REQ.  
 INSTALL REFLECTORIZED THERMOPLASTIC AS REQ.



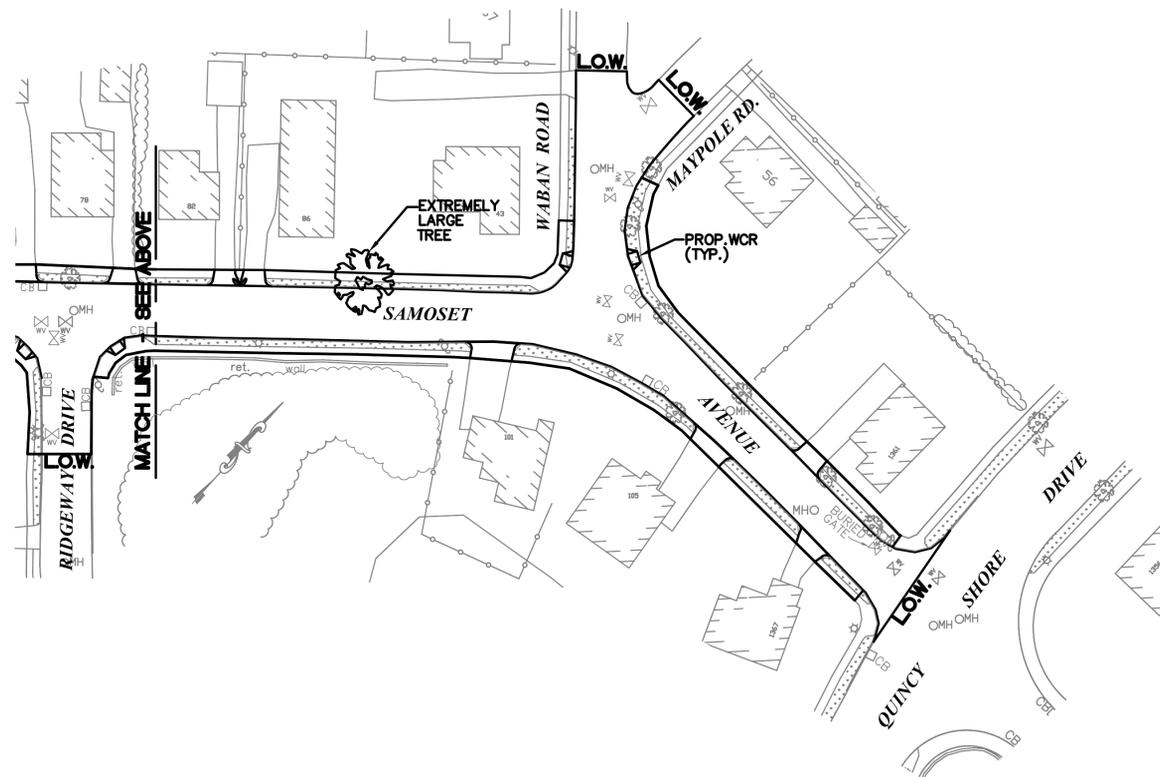
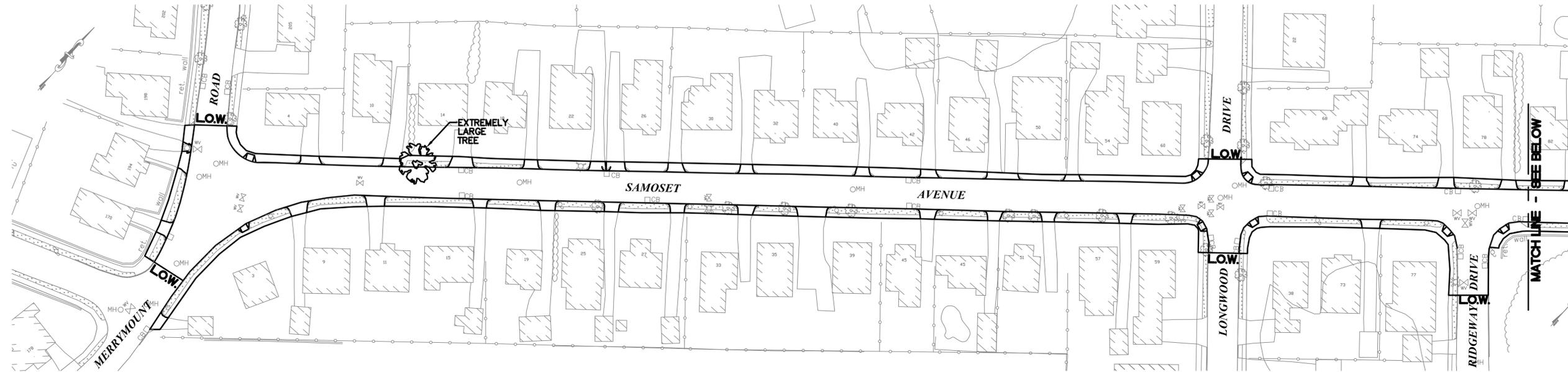
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2. ALL TRANSITIONS TO MEET GRADES OF EXISTING ROADS OUTSIDE OF WORK LIMITS, UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO CHECK DOORWAY ELEVATIONS BEFORE SETTING CURB AND MAINTAIN PROPER SIDEWALK CROSS SLOPES.
4. THE PAVEMENT SECTION SHOWN ON SHEET 3 SHALL BE FOLLOWED UNLESS STATED OTHERWISE.
5. ALL ROADWAYS ARE TO BE GRADED TO EXISTING DRAINS. THE CONTRACTOR SHALL BE RESPONSIBLE TO CHECK THE GRADE ON SITE AND INFORM THE ENGINEER OF ANY DISCREPANCIES.
6. WATER, SEWER & DRAIN LOCATIONS TO BE VERIFIED BY CITY OF QUINCY DPW.
7. ALL TRAFFIC WARNING SIGNS TO BE ALUMINUM PANELS WITH REFLECTIVE SHEETING. TEXT AND COLOR SHALL MEET MUTCD STANDARD.
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CITY OF QUINCY, MASSACHUSETTS					
ROAD IMPROVEMENTS SPRING 2012					
PRATT ROAD					
SCALE	1=40'	DATE	03/12		
DRAWN	NBG	DES'D.	JVG	APPRD.	SPH
CITY OF QUINCY, ENGINEERING DEPT. 55 SEA STREET QUINCY, MASS. 02169					7 OF 13

**SCOPE OF WORK:**

- FULL DEPTH RECLAMATION
- INSTALL 2½" BINDER AND 1½" TOP COURSE
- INSTALL NEW BIT. CONC. SIDEWALKS AND DRIVEWAY APRONS
- INSTALL NEW CEM. CONC. WCR's W/DETECTABLE WARNING PANELS
- R & R EXIST GRAN. CURB
- DROP AND ADJUST ALL UTILITIES AS REQUIRED
- LOAM AND SEED AS REQUIRED
- INSTALL REFLECTORIZED THERMOPLASTIC AS REQUIRED



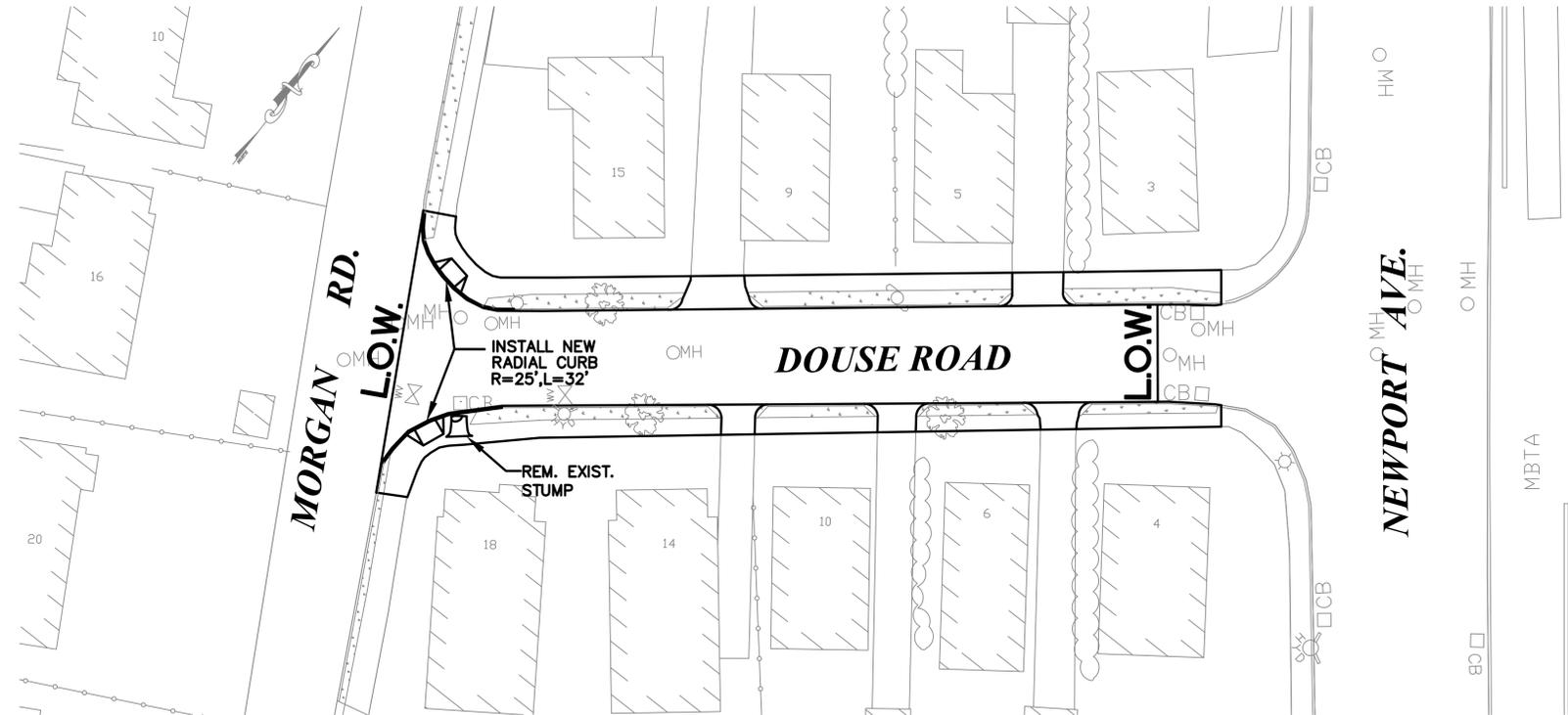
**GENERAL CONSTRUCTION NOTES:**

1. THE CONTRACTOR SHALL NOT INSTALL ANY TOP COURSE OF PAVEMENT WITHOUT FIRST APPLYING BITUMEN FOR TACK/PRIME COAT AS SPECIFIED AND DIRECTED BY THE ENGINEER AND AS NOTED IN THE DIVISION TWO-TECHNICAL SPECIFICATION SECTION. HOT Poured RUBBERIZED ASPHALT SEALANT SHALL ALSO BE APPLIED TO LONGITUDINAL AND TRANSVERSE JOINTS AS PER THE MHWY STANDARD SPECIFICATIONS, SECTION 460. THE SEALANT SHALL BE CONSIDERED INCIDENTAL TO ALL CLASS 1 BITUMINOUS CONCRETE PAVEMENTS OF SAID SECTION.
2. ALL TRANSITIONS TO MEET GRADES OF EXISTING ROADS OUTSIDE OF WORK LIMITS, UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO CHECK DOORWAY & WALKWAY ELEVATIONS BEFORE SETTING CURB AND MAINTAIN PROPER SIDEWALK CROSS SLOPES.
4. THE PAVEMENT SECTION SHOWN ON SHEET 3 SHALL BE FOLLOWED UNLESS STATED OTHERWISE.
5. ALL ROADWAYS ARE TO BE GRADED TO EXISTING DRAINS. THE CONTRACTOR SHALL BE RESPONSIBLE TO CHECK THE GRADE ON SITE AND INFORM THE ENGINEER OF ANY DISCREPANCIES.
6. WATER, SEWER & DRAIN LOCATIONS TO BE VERIFIED BY CITY OF QUINCY DPW.
7. ALL TRAFFIC WARNING SIGNS TO BE ALUMINUM PANELS WITH REFLECTIVE SHEETING. TEXT AND COLOR SHALL MEET MUTCD STANDARD.
8. ANY AND ALL SIGN POSTS OR SIGNS REMOVED OR DAMAGED DURING THE COURSE OF CONSTRUCTION SHALL BE REPLACED AND RESET RESPECTIVELY AT THE CONTRACTOR'S EXPENSE.

CITY OF QUINCY, MASSACHUSETTS					
ROAD IMPROVEMENTS SPRING 2012					
SAMOSET AVENUE					
SCALE	1"=40'	DATE	03/12		
DRAWN	NBG	DES'D.	JVG	APPRD.	SPH
CITY OF QUINCY, ENGINEERING DEPT. 55 SEA STREET QUINCY, MASS. 02169					DWG.NO 8 OF 13

**SCOPE OF WORK:**

FULL DEPTH RECLAMATION  
 INSTALL 2½" BINDER AND 1½" TOP COURSE  
 INSTALL NEW BIT. CONC. SIDEWALKS AND DRIVEWAY APRONS  
 INSTALL NEW CEM. CONC. WCR'S W/DETECTABLE WARNING PANELS  
 R & R EXIST. GRAN. CURB & INSTALL NEW RADIAL CURB AS NOTED  
 DROP AND ADJUST ALL UTILITIES AS REQ.  
 LOAM AND SEED AS REQ.  
 INSTALL REFLECTORIZED THERMOPLASTIC AS REQ.



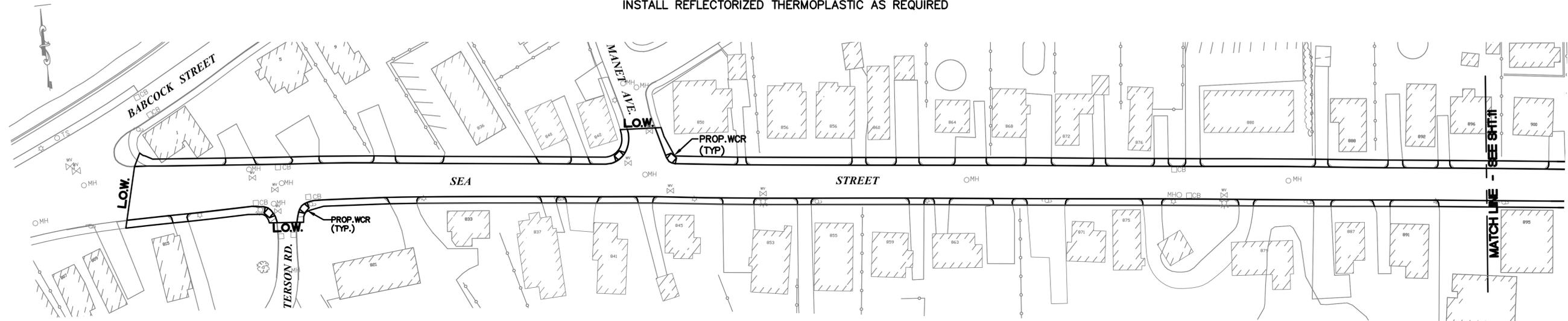
**GENERAL CONSTRUCTION NOTES:**

1. THE CONTRACTOR SHALL NOT INSTALL ANY TOP COURSE OF PAVEMENT WITHOUT FIRST APPLYING BITUMIN FOR TACK/PRIME FIRST AS SPECIFIED AND DIRECTED BY THE ENGINEER AND THE DIVISION TWO - TECHNICAL SPECIFICATION SECTION. ALSO EMULSIFIER SHALL BE APPLIED ON ALL LONGITUDINAL TRANSFER JOINTS AND AS DIRECTED BY THE ENGINEER.
2. ALL TRANSITIONS TO MEET GRADES OF EXISTING ROADS OUTSIDE OF WORK LIMITS, UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO CHECK DOORWAY ELEVATIONS BEFORE SETTING CURB AND MAINTAIN PROPER SIDEWALK CROSS SLOPES.
4. THE PAVEMENT SECTION SHOWN ON SHEET 3 SHALL BE FOLLOWED UNLESS STATED OTHERWISE.
5. ALL ROADWAYS ARE TO BE GRADED TO EXISTING DRAINS. THE CONTRACTOR SHALL BE RESPONSIBLE TO CHECK THE GRADE ON SITE AND INFORM THE ENGINEER OF ANY DISCREPANCIES.
6. WATER, SEWER & DRAIN LOCATIONS TO BE VERIFIED BY CITY OF QUINCY DPW.
7. ALL TRAFFIC WARNING SIGNS TO BE ALUMINUM PANELS WITH REFLECTIVE SHEETING. TEXT AND COLOR SHALL MEET MUTCD STANDARD.
8. ANY AND ALL SIGN POSTS OR SIGNS REMOVED OR DAMAGED DURING THE COURSE OF CONSTRUCTION SHALL BE REPLACED AND RESET RESPECTIVELY AT THE CONTRACTOR'S EXPENSE.

CITY OF QUINCY, MASSACHUSETTS					
ROAD IMPROVEMENTS SPRING 2012					
DOUSE ROAD					
SCALE	1=20'	DATE	03/12		
DRAWN	NBG	DES'D.	JVG	APPRD.	SPH
CITY OF QUINCY, ENGINEERING DEPT. 55 SEA STREET QUINCY, MASS. 02169					9 OF 13

**SCOPE OF WORK:**

- 2" BIT. EXCAVATION BY COLD PLANER
- INSTALL 2" BIT. TOP COURSE
- INSTALL NEW CEM. CONC. SIDEWALKS AND DRIVEWAY APRONS (SELECTIVE)
- INSTALL NEW CEM. CONC. WCR's W/ DETECTABLE WARNING PANELS
- R & R EXIST. GRAN CURB (SELECTIVE)
- DROP AND ADJUST ALL UTILITIES AS REQUIRED
- LOAM AND SEED AS REQUIRED
- INSTALL REFLECTORIZED THERMOPLASTIC AS REQUIRED



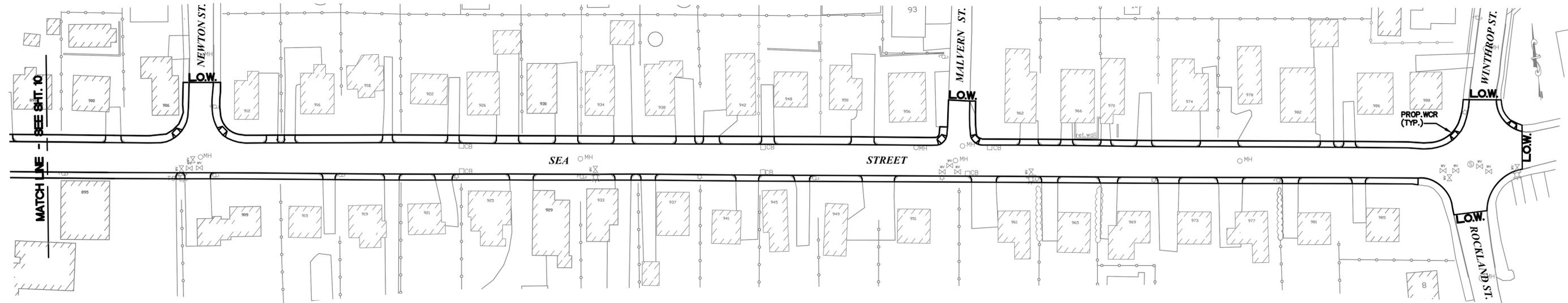
**GENERAL CONSTRUCTION NOTES:**

1. THE CONTRACTOR SHALL NOT INSTALL ANY TOP COURSE OF PAVEMENT WITHOUT FIRST APPLYING BITUMEN FOR TACK/PRIME COAT AS SPECIFIED AND DIRECTED BY THE ENGINEER AND AS NOTED IN THE DIVISION TWO-TECHNICAL SPECIFICATION SECTION. HOT Poured RUBBERIZED ASPHALT SEALANT SHALL ALSO BE APPLIED TO LONGITUDINAL AND TRANSVERSE JOINTS AS PER THE MHWY STANDARD SPECIFICATIONS, SECTION 460. THE SEALANT SHALL BE CONSIDERED INCIDENTAL TO ALL CLASS I BITUMINOUS CONCRETE PAVEMENTS OF SAID SECTION.
2. ALL TRANSITIONS TO MEET GRADES OF EXISTING ROADS OUTSIDE OF WORK LIMITS, UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO CHECK DOORWAY & WALKWAY ELEVATIONS BEFORE SETTING CURB AND MAINTAIN PROPER SIDEWALK CROSS SLOPES.
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5. ALL ROADWAYS ARE TO BE GRADED TO EXISTING DRAINS. THE CONTRACTOR SHALL BE RESPONSIBLE TO CHECK THE GRADE ON SITE AND INFORM THE ENGINEER OF ANY DISCREPANCIES.
6. WATER, SEWER & DRAIN LOCATIONS TO BE VERIFIED BY CITY OF QUINCY DPW.
7. ALL TRAFFIC WARNING SIGNS TO BE ALUMINUM PANELS WITH REFLECTIVE SHEETING. TEXT AND COLOR SHALL MEET MUTCD STANDARD.
8. ANY AND ALL SIGN POSTS OR SIGNS REMOVED OR DAMAGED DURING THE COURSE OF CONSTRUCTION SHALL BE REPLACED AND RESET RESPECTIVELY AT THE CONTRACTOR'S EXPENSE.

CITY OF QUINCY, MASSACHUSETTS						
ROAD IMPROVEMENTS SPRING 2012						
SEA STREET						
SCALE	1"= 40'	DATE	03/12			
DRAWN	NBG	DES'D.	JVG	APPRD.	SPH	
CITY OF QUINCY, ENGINEERING DEPT. 55 SEA STREET QUINCY, MASS. 02169						DWG.NO 10 OF 13

**SCOPE OF WORK:**

- 2" BIT. EXCAVATION BY COLD PLANER
- INSTALL 2" BIT. TOP COURSE
- INSTALL NEW CEM. CONC. SIDEWALKS AND DRIVEWAY APRONS (SELECTIVE)
- INSTALL NEW CEM. CONC. WCR's W/ DETECTABLE WARNING PANELS
- R & R EXIST. GRAN CURB (SELECTIVE)
- DROP AND ADJUST ALL UTILITIES AS REQUIRED
- LOAM AND SEED AS REQUIRED
- INSTALL REFLECTORIZED THERMOPLASTIC AS REQUIRED



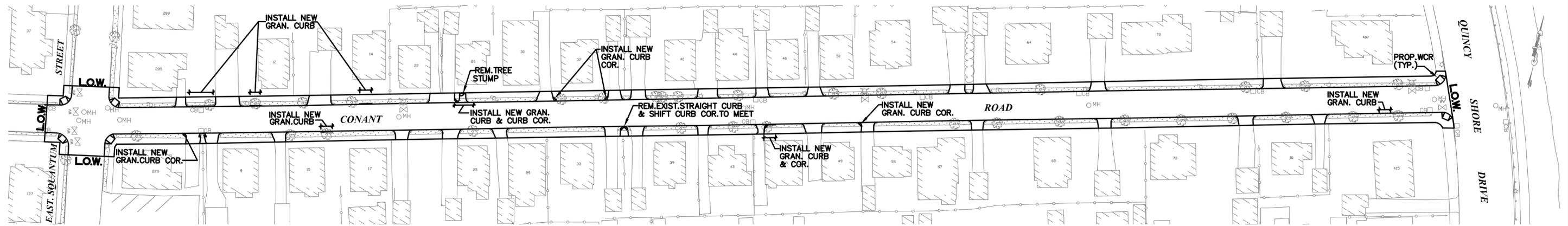
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CITY OF QUINCY, MASSACHUSETTS						
ROAD IMPROVEMENTS SPRING 2012						
SEA STREET						
SCALE	1" = 40'	DATE	03/12			
DRAWN	NBG	DES'D.	JVG	APPRD.	SPH	
CITY OF QUINCY, ENGINEERING DEPT. 55 SEA STREET QUINCY, MASS. 02169						DWG.NO 11 OF 13

**SCOPE OF WORK:**

FULL DEPTH RECLAMATION  
 INSTALL 2 1/2" BINDER AND 1 1/2" TOP COURSE  
 INSTALL NEW CEM. CONC. SIDEWALKS AND DRIVEWAY APRONS  
 INSTALL NEW CEM. CONC. WCR'S W/DETECTABLE WARNING PANELS  
 R & R EXIST. GRAN. CURB & INSTALL NEW GRAN. CURB AS NOTED  
 DROP AND ADJUST ALL UTILITIES AS REQUIRED  
 LOAM AND SEED AS REQUIRED  
 INSTALL REFLECTORIZED THERMOPLASTIC AS REQUIRED



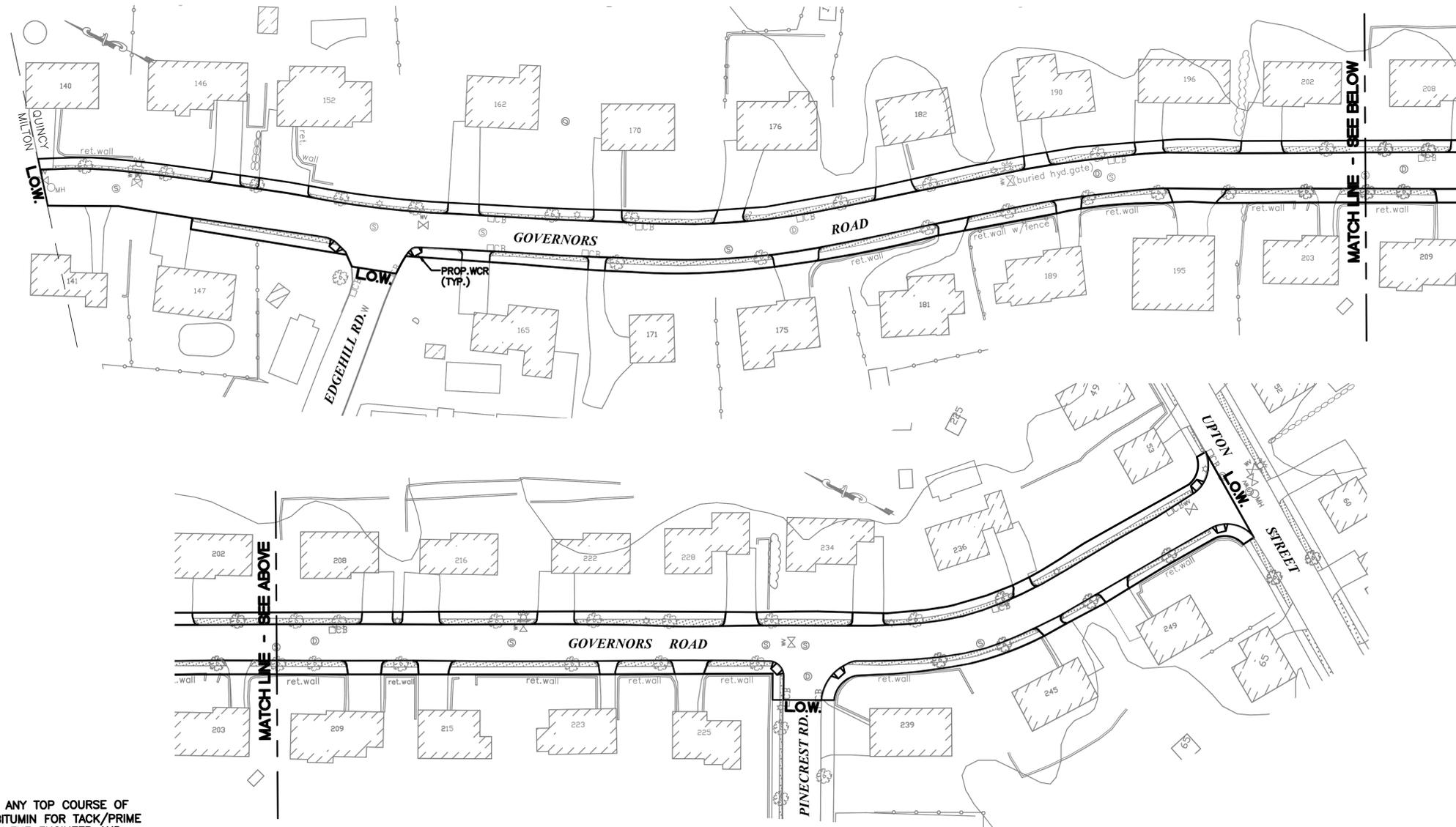
**GENERAL CONSTRUCTION NOTES:**

1. THE CONTRACTOR SHALL NOT INSTALL ANY TOP COURSE OF PAVEMENT WITHOUT FIRST APPLYING BITUMIN FOR TACK/PRIME FIRST AS SPECIFIED AND DIRECTED BY THE ENGINEER AND THE DIVISION TWO - TECHNICAL SPECIFICATION SECTION. ALSO EMULSIFIER SHALL BE APPLIED ON ALL LONGITUDINAL TRANSFER JOINTS AND AS DIRECTED BY THE ENGINEER.
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8. ANY AND ALL SIGN POSTS OR SIGNS REMOVED OR DAMAGED DURING THE COURSE OF CONSTRUCTION SHALL BE REPLACED AND RESET RESPECTIVELY AT THE CONTRACTOR'S EXPENSE.

CITY OF QUINCY, MASSACHUSETTS					
ROAD IMPROVEMENTS SPRING 2012					
CONANT ROAD					
SCALE	1"=40'	DATE	03/12		
DRAWN	NBG	DES'D.	JVG	APPRD.	SPH
CITY OF QUINCY, ENGINEERING DEPT. 55 SEA STREET QUINCY, MASS. 02169					DWG.NO 12 OF 13

**SCOPE OF WORK:**

- FULL DEPTH RECLAMATION
- INSTALL 2½" BINDER & 1 ½" TOP COURSE
- INSTALL NEW BIT. CONC. SIDEWALKS & DRIVEWAY APRONS
- INSTALL NEW CONC. WCR'S W/ DETECTABLE WARNING PANELS
- INSTALL NEW GRAN. CURB
- DROP & ADJUST ALL UTILITIES AS REQ.
- LOAM & SEED AS REQ.
- INSTALL REFLECTORIZED THERMOPLASTIC AS REQ.



**GENERAL CONSTRUCTION NOTES:**

1. THE CONTRACTOR SHALL NOT INSTALL ANY TOP COURSE OF PAVEMENT WITHOUT FIRST APPLYING BITUMIN FOR TACK/PRIME FIRST AS SPECIFIED AND DIRECTED BY THE ENGINEER AND THE DIVISION TWO - TECHNICAL SPECIFICATION SECTION. ALSO EMULSIFIER SHALL BE APPLIED ON ALL LONGITUDINAL TRANSFER JOINTS AND AS DIRECTED BY THE ENGINEER.
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CITY OF QUINCY, MASSACHUSETTS					
ROAD IMPROVEMENTS SPRING 2012					
GOVERNORS ROAD					
SCALE	1=40'	DATE	03/12		
DRAWN	NBG	DES'D.	JVG	APPRD.	SPH
CITY OF QUINCY, ENGINEERING DEPT. 55 SEA STREET QUINCY, MASS. 02169					13 OF 13