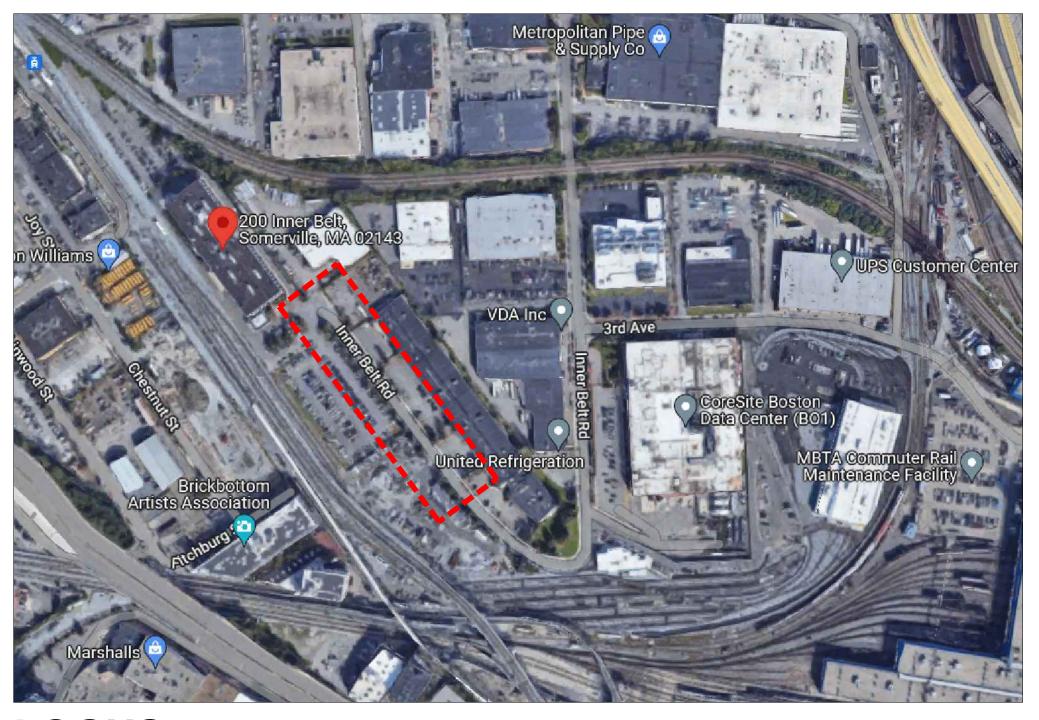


PROPOSED CONDUIT INSTALLATION AT 200 INNER BELT RD SOMERVILLE, MA

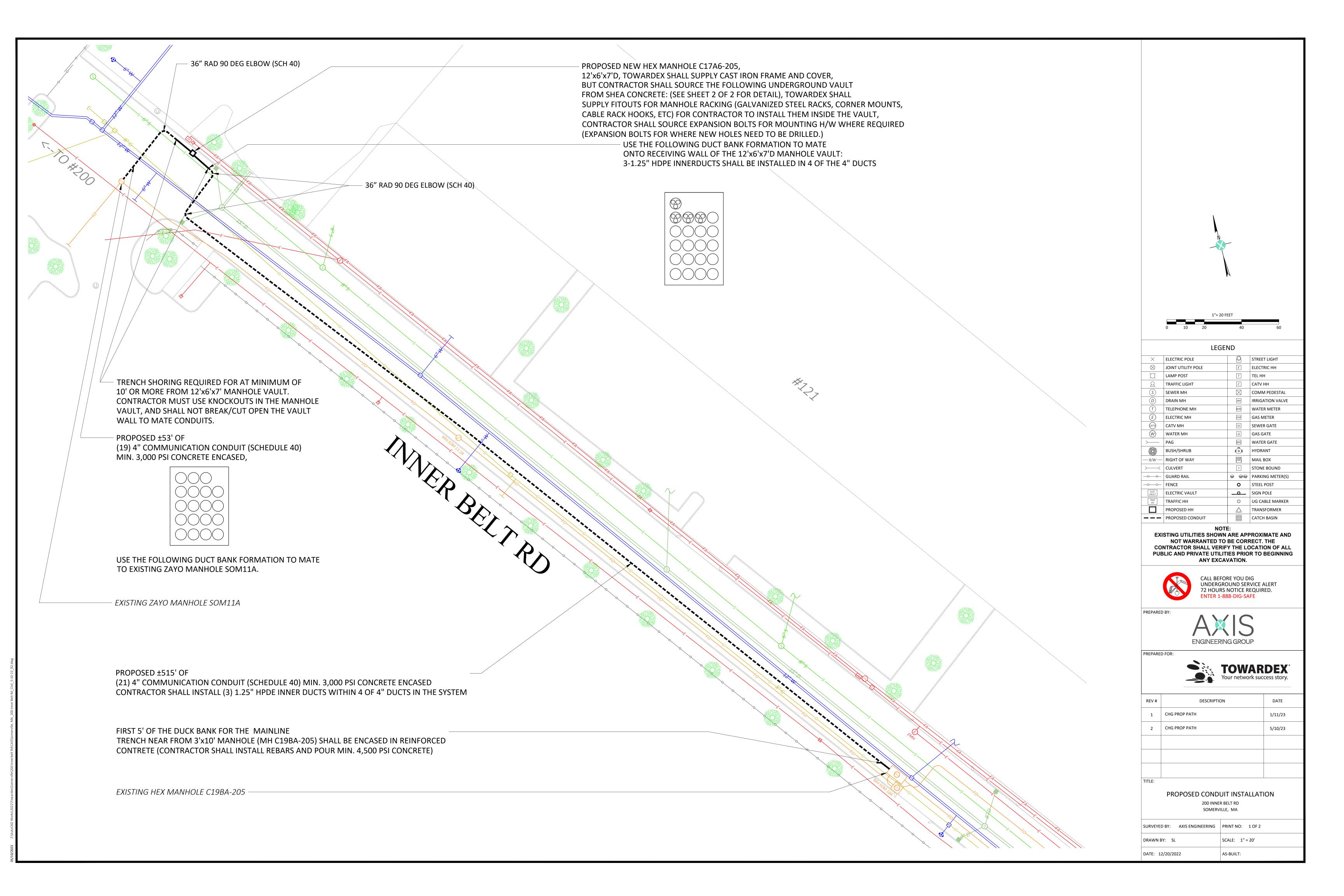


LOCUS N.T.S



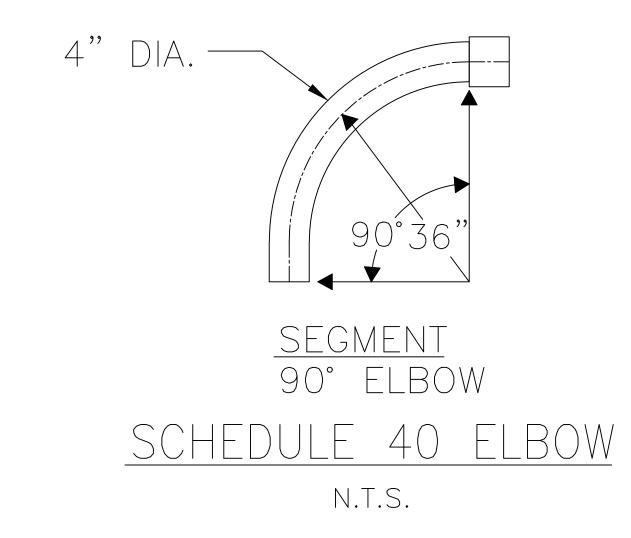
INDEX OF DRAWING

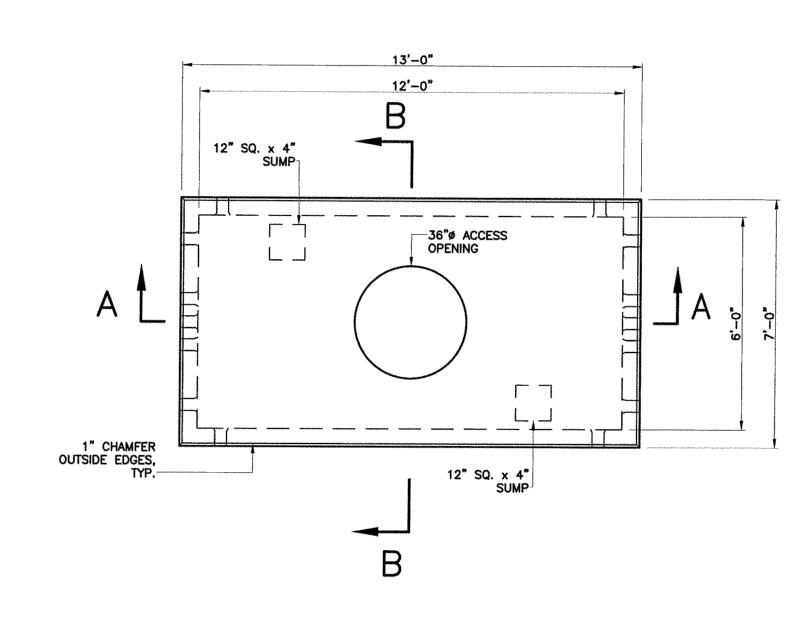
SHEET NO.	DESCRIPTION
	COVER SHEET
01	PROPOSED CONDUIT INSTALLATION
02	GENERAL NOTES AND DETAILS



GENERAL NOTES

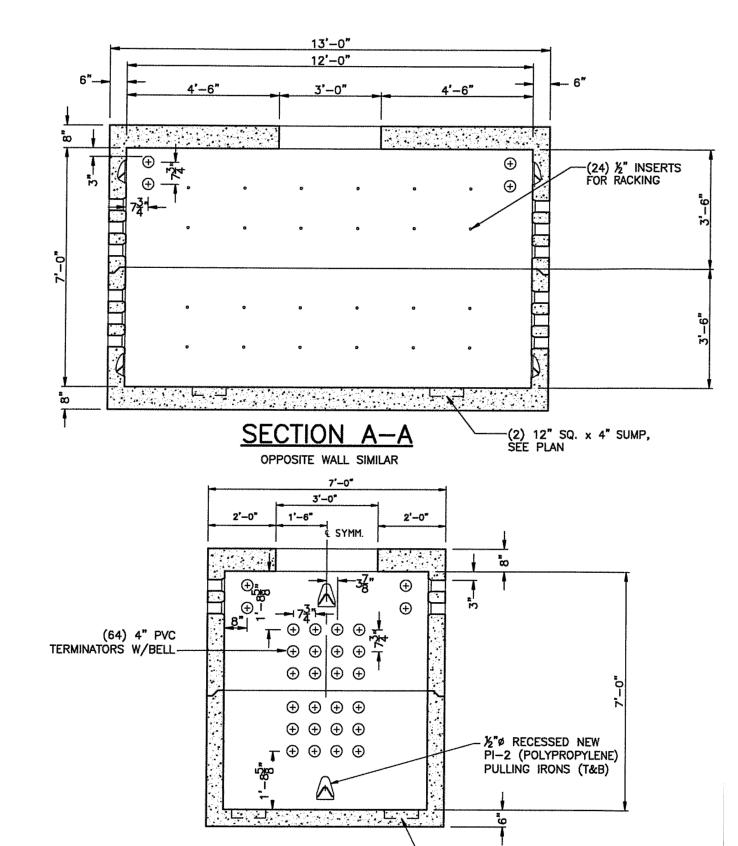
- 1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
- 2. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
- 3. THE CONTRACTOR SHOULD MAINTAIN A SEPARATION OF 18 INCHES MIN. WHEN CROSSING EXISTING WATER FACILITIES.
- 4. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANY.
- 5. THE CONTRACTOR SHALL NOT DISTURB PUBLIC TREES AND SHRUBS.
- 6. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT NO EXPENSE TO THE OWNER.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING AND MAINTAINING TEMPORARY RESURFACING AND/OR PLATING FOR ALL EXCAVATIONS IN PAVED STREETS AND SIDEWALKS UNTIL PERMANENT RESURFACING IS COMPLETE.
- 8. JOINTS BETWEEN NEW BITUMINOUS CONCRETE ROADWAY PAVEMENT AND SAW CUT EXISTING PAVEMENT SHALL BE SEALED WITH BITUMEN AND BACK SANDED
- 9. THE CONTRACTOR SHALL PROTECT AND SUPPORT ALL EXISTING UTILITY LINES THAT BECOME EXPOSED DUE TO **EXCAVATION REQUIRED TO INSTALL THE PROPOSED CONDUIT**
- 10. THE CONTRACTOR SHALL REPLACE ALL DISTURBED TRAFFIC SIGNAL LOOP DETECTORS TO GOOD WORKING CONDITION AS REQUIRED BY THE LATEST STANDARDS OF THE MUNICIPAL TRAFFIC DEPARTMENT.
- 11. ALL EXISTING STATE. COUNTY. CITY. AND TOWN LOCATION LINES AND PRIVATE PROPERTY LINES HAVE BEEN ESTABLISHED FROM AVAILABLE INFORMATION AND THEIR EXACT LOCATION ARE NOT GUARANTEED.
- 12. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT MARKINGS IN THEIR ENTIRETY THAT HAVE BEEN DAMAGED BY TRENCH EXCAVATION OR OPERATIONS OF THE CONTRACTOR WITH SIMILAR COLOR AND SIZE THERMOPLASTIC MARKINGS.
- * ITEM SHOWN ON UTILITY RECORDS, BUT NOT FOUND IN FIELD.
- ~ ITEM FOUND IN FIELD, BUT NOT IN UTILITY RECORDS.



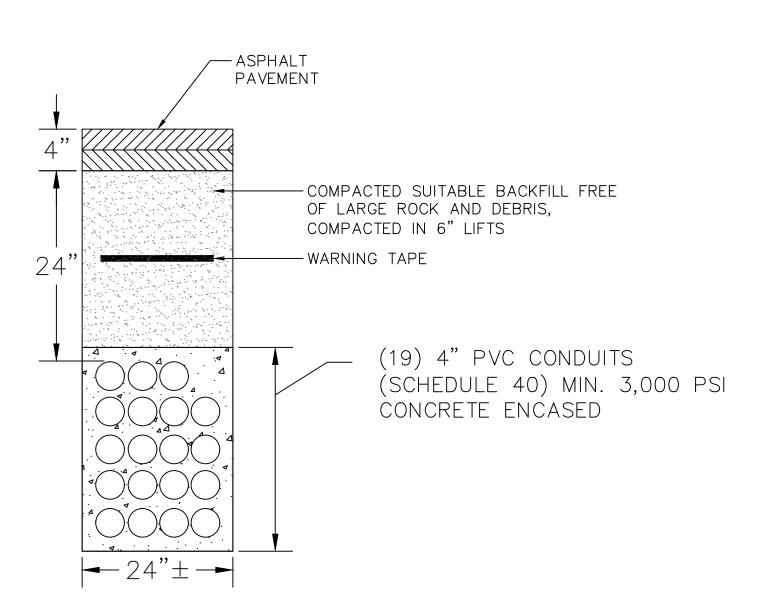


PLAN

CONCRETE: 5,000 PSI MINIMUM AFTER 28 DAYS.
 DESIGN LOADING: AASHTO HS20-44, 0 TO 5 FEET COVER.
 STEEL REINFORCEMENT CONFORMS TO ASTM A615, GRADE 60



SHEA CONCRETE PRODUCTS (MANHOLE 6'x12'x7')



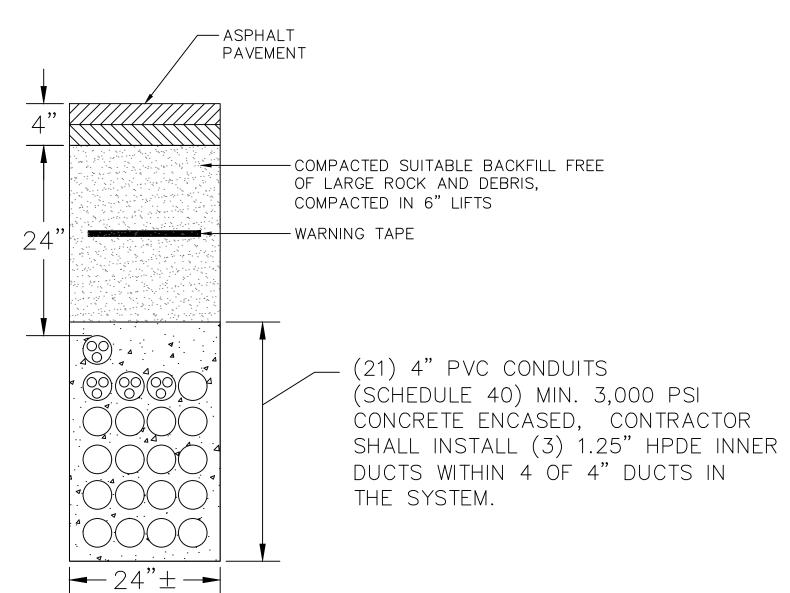
ROADWAY PATCH AND DUCT BANK NORTH WALL INSTALLATION DETAIL

TRENCH DETAIL NOTES:

1. 28" MAXIMUM FROM TOP OF CONDUIT TO SURFACE.

N.T.S.

- 2. 12" FROM TOP OF CONDUIT TO METALLIC WARNING TAPE PLACED ABOVE.
- 3. REPAIR SIDEWALKS AND WALKWAYS WITH SAME MATERIALS AS EXISTING.
- 4. CONDUIT SHALL BE ROPED AND APPROPRIATELY TAGGED UPON INSTALLATION.



SECTION B-B

-(2) 12" SQ. x 4" SUMP, SEE PLAN

ROADWAY PATCH AND DUCT BANK SOUTH WALL INSTALLATION DETAIL

N.T.S.

TRENCH DETAIL NOTES:

- 1. 28" MAXIMUM FROM TOP OF CONDUIT TO SURFACE.
- 2. 12" FROM TOP OF CONDUIT TO METALLIC WARNING TAPE PLACED ABOVE.
- 3. REPAIR SIDEWALKS AND WALKWAYS WITH SAME MATERIALS AS EXISTING.
- 4. CONDUIT SHALL BE ROPED AND APPROPRIATELY TAGGED UPON INSTALLATION.

LEGEND

LEGEND				
×	ELECTRIC POLE	9	STREET LIGHT	
\otimes	JOINT UTILITY POLE	E	ELECTRIC HH	
X	LAMP POST	T	TEL HH	
2	TRAFFIC LIGHT	С	CATV HH	
S	SEWER MH	\boxtimes	COMM PEDESTAL	
D	DRAIN MH	IRR	IRRIGATION VALVE	
T	TELEPHONE MH	wM	WATER METER	
E	ELECTRIC MH	GM	GAS METER	
CATV	CATV MH	SG	SEWER GATE	
W	WATER MH	G	GAS GATE	
>	PAG	WG	WATER GATE	
	BUSH/SHRUB	(⊚)	HYDRANT	
— R/W —	RIGHT OF WAY	MB	MAIL BOX	
>	CULVERT	·	STONE BOUND	
	GUARD RAIL	⊕ ⊕⊕	PARKING METER(S)	
	FENCE	0	STEEL POST	
ELEC VAULT	ELECTRIC VAULT		SIGN POLE	
TRAF HH	TRAFFIC HH	0	UG CABLE MARKER	
	PROPOSED HH	A	TRANSFORMER	
	PROPOSED CONDUIT		CATCH BASIN	

NOTE: **EXISTING UTILITIES SHOWN ARE APPROXIMATE AND** NOT WARRANTED TO BE CORRECT. THE **CONTRACTOR SHALL VERIFY THE LOCATION OF ALL** PUBLIC AND PRIVATE UTILITIES PRIOR TO BEGINNING ANY EXCAVATION.



CALL BEFORE YOU DIG UNDERGROUND SERVICE ALERT 72 HOURS NOTICE REQUIRED.





REV#	DESCRIPTION	DATE
1	CHG PROP PATH	1/11/23
2	CHG PROP PATH	5/10/23
	1	1

GENERAL NOTES AND DETAILS 200 INNER BELT RD SOMERVILLE, MA

SURVEYED BY: AXIS ENGINEERING PRINT NO: 2 OF 2 DRAWN BY: SL SCALE: N.T.S. DATE: 12/20/2022 AS-BUILT: