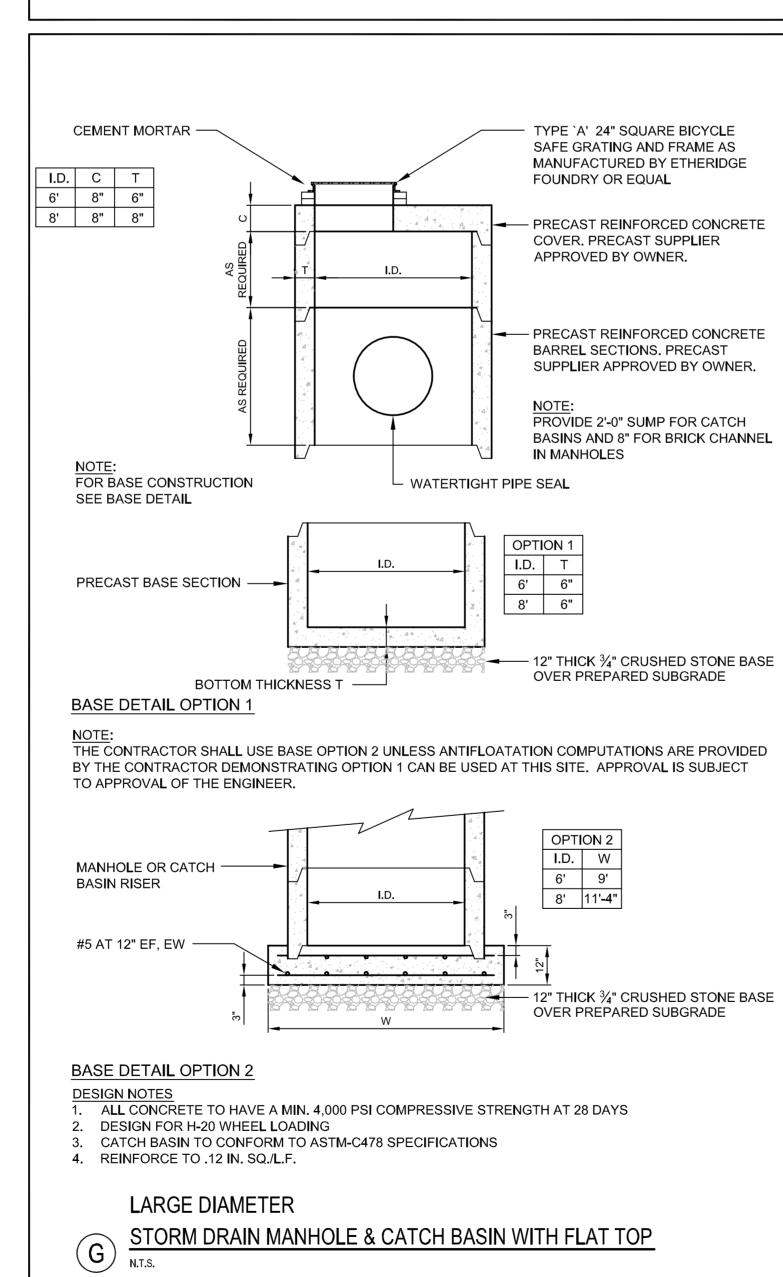


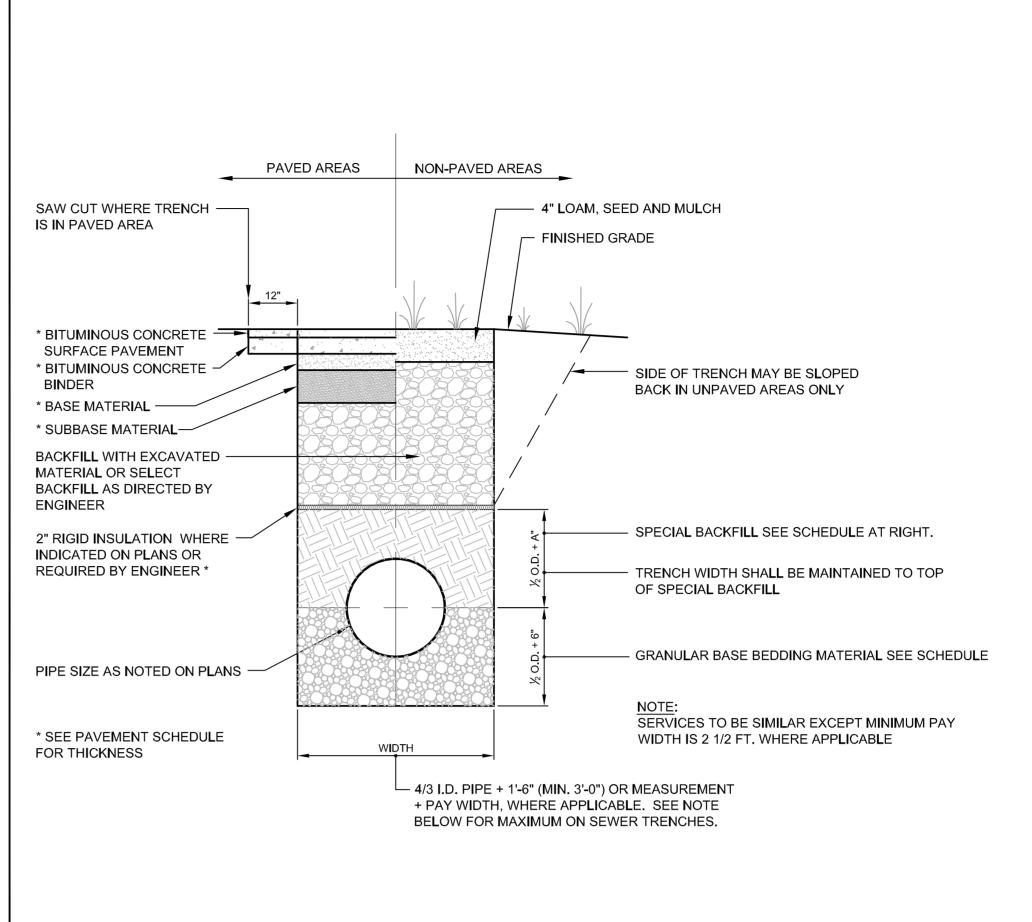
## NOTE: MANHOLE TEST TO BE ACCOMPLISHED AFTER CHANNEL INSTALLATION IS COMPLETE. MANHOLE CHANNEL, CARRY VERTICAL FROM SPRING LINE TO CROWN - SLOPED WASH SHELF (¼" PER FT) WITH BRICK INSTALLED PARALLEL TO MAIN FLOW. WHERE CHANGE IN ALIGNMENT OR SIDE FLOW ENTERS THE MANHOLE CONSTRUCT CHANNEL WITH A SMOOTH RADIAL CHANNEL OF MAXIMUM RADIUS POSSIBLE TO ACCOMPLISH ALL JUNCTIONAL CHANGE OF ALIGNMENT WITHIN MANHOLE. - 4,000 PSI CONCRETE OR MORTAR BEDDED BRICK. - 12" THICK ¾" CRUSHED STONE BASE OVER PREPARED SUBGRADE I. BRICK CHANNEL TO BE AASHTO M-91-42 GRADE AS SEWER BRICK OR, IF APPROVED BY ENGINEER, A PREFABRICATED FIBERLINER 2000 CHANNEL, AS MANUFACTURED BY GDT, INC. ESSEX, CT OR EQUAL MAY BE USED.

2. SLOPE CHANNEL DOWN FROM INLET TO OUTLET

STORM AND SANITARY MANHOLE CHANNEL DETAIL

3. TOOL ALL JOINTS IN CHANNEL AND ON TABLE.



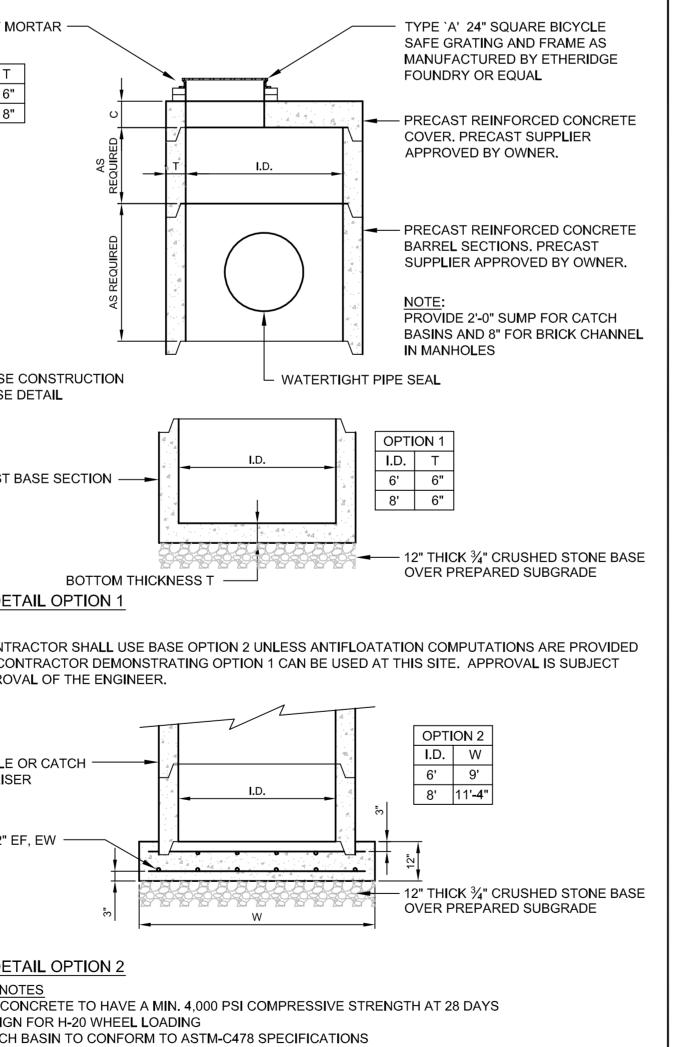


TYPE OF PIPE	BEDDING MATERIAL	SPEC <b>IAL</b> BACKF <b>ILL</b>	SPECIAL BACKFIL COVER	
			"A" (IN)	
CONCRETE	3/4" CRUSHED STONE	GRANULAR AASHTO M145-49 A-3 OR BETTER	12	GRANUL AASHTC M145-49 OR BET
PVC OR CORRUGATED POLYETHYLENE	3/4" CRUSHED STONE	GRANULAR AASHTO M145-49 A-3 OR BETTER	6	GRANUL AASHTC M145-49 OR BET
СМР	3/4" CRUSHED STONE	GRANULAR AASHTO M145-49 A-3 OR BETTER	6	GRANUL AASHTO M145-49 OR BETT
DUCTILE IRON	GRANULAR AASHTO M145-49 A-3 OR BETTER	GRANULAR AASHTO M145-49 A-3 OR BETTER	6	GRANUI AASHTO M145-49 OR BET

TYPE OF PIPE	BEDDING MATERIAL	SPECIAL BACKFILL	SPECIAL BACKFIL COVER	
			"A" ( <b>IN</b> )	
PVC PRESSURE	3/4" CRUSHED STONE	3/4" CRUSHED STONE	6	GRANULAF AASHTO M145-49 A- OR BETTER
PVC 3/4" CRUSHED A GRAVITY STONE N		GRANULAR AASHTO M145-49 A-3 OR BETTER	6	GRANULAF AASHTO M145-49 A- OR BETTER
DUCTILE 3/4" CRUSHED STONE		3/4" CRUSHED STONE	6	GRANULAF AASHTO M145-49 A- OR BETTEF

SEWERS				
PIPE SIZE	MAXIMUM WIDTH			
10" OR <b>L</b> ESS				
12 TO 15	4'-0"			
18	4'-6"			
24	5'-6"			
30	6'-0"			
36	6'-9"			
42	7'-3"			
48	8'-0"			
SHEETING IE DECHIDED SHAI	LL BE CUT OFF 2'-0" BELOW FIN			

## TYPICAL SEWER, WATER MAIN, AND STORM DRAIN TRENCH SECTION



12.01.14 FINAL PHASE 1A SITE PLAN SUBMITTED TO CITY 2 07.29.14 REVISED PHASE 1A SITE PLAN SUBMITTED TO CITY 06.30.14 AMENDED PHASE 1A SITE PLAN SUBMITTED TO V DATE DESCRIPTION

IC. #11994

REVISIONS

BRICK NORTH BUILDING AT THE FOREFRONT AT THOMPSON'S POINT STORMWATER AND SANITARY SEWER DETAILS

FOREFRONT PARTNERS | , LP

FST FAY, SPOFFORD & THORNDIKE ENGINEERS · PLANNERS · SCIENTISTS TOO YEARS

778 MAIN ST, SUITE 8, SOUTH PORTLAND, ME 04106

DESIGNED:

CHECKED:

PRELIMINARY - NOT FOR CONSTRUCTION

PROJECT NO. 2014-120