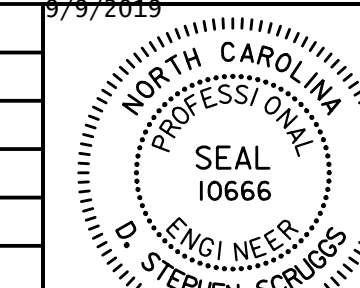


Prepared In the Office of:

AECOM

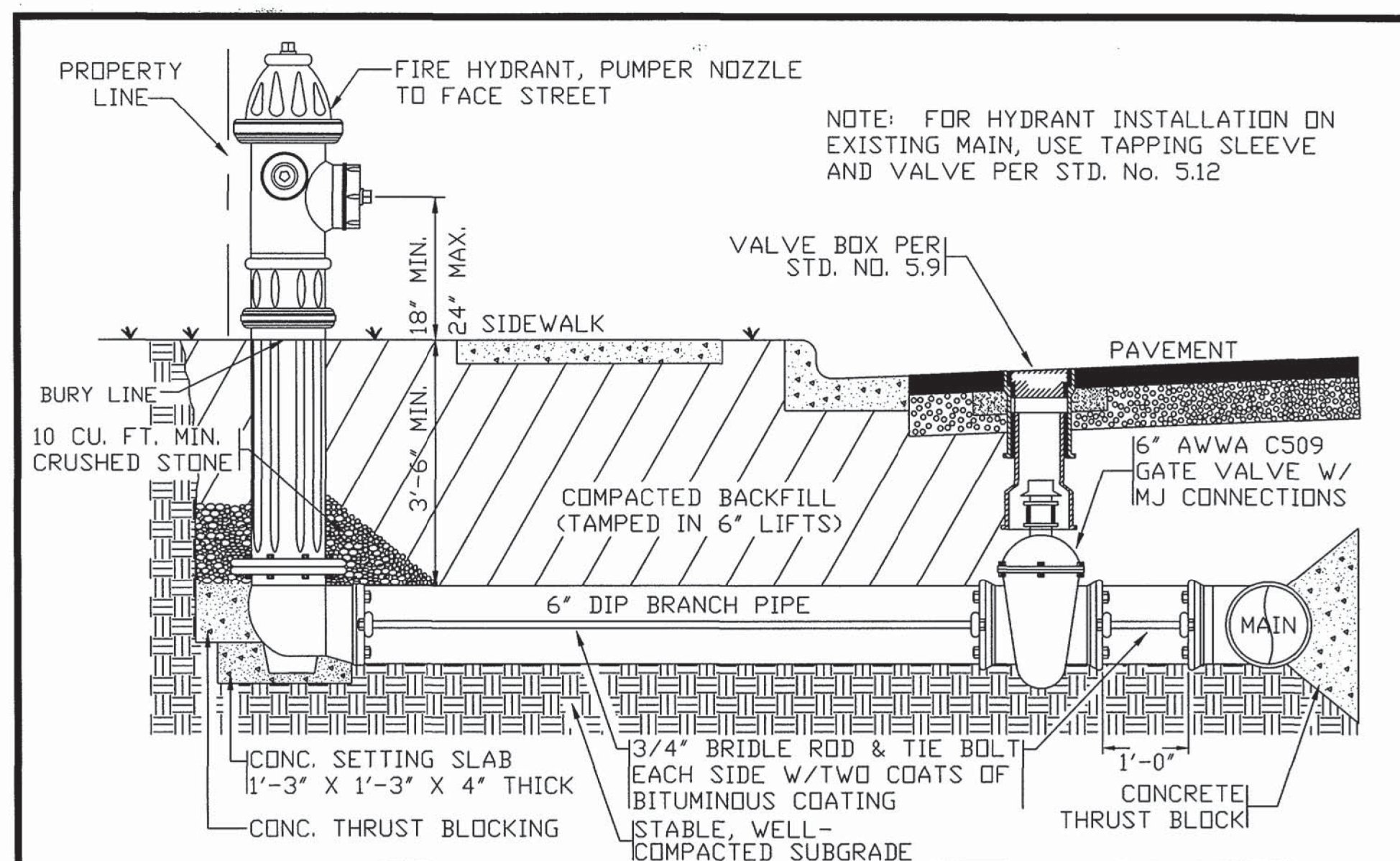
AECOM TECHNICAL SERVICES OF NORTH CAROLINA, INC.
701 CORPORATE CENTER DRIVE, SUITE 475, RALEIGH, NC 27607
919-854-6200 919-854-6259 (fax)
F - 0342

PROJECT REFERENCE NO.	SHEET NO.
B-5980	UC-3A
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SECTION	
D. Stephen Scruggs	
PHONE: (919) 707-6690	
FAX: (919) 250-4151	



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

UTILITY CONSTRUCTION



REVISIONS		APPROVED	STD. NO.
NO	DATE DESCRIPTION		5.1
		DATE	REVISION
		03-29-06	

HYDRANT INSTALLATION (SHEET 1 OF 2)

CITY OF ROCKY MOUNT
DEPT. OF ENGINEERING

HYDRANT GENERAL CONSTRUCTION NOTES

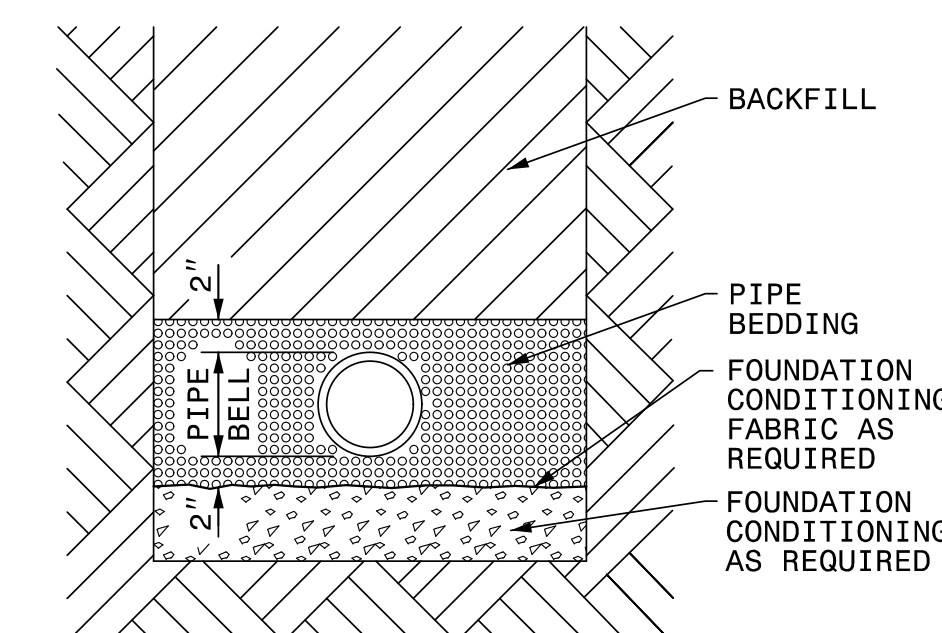
- FIRE HYDRANT:** HYDRANT SHALL BE AWWA C502, DRY BARRELL, DRY BONNET, THREE-WAY HYDRANT WITH 3' 6" MIN. BURY, 4 1/2" MIN. MAIN VALVE OPENING, 4 1/2" PUMPER NOZZLE, TWO EACH 2 1/2" HOZE NOZZLES, REPLACEABLE BRONZE NOZZLES WITH NATIONAL STANDARD THREADS, BREAK-AWAY TRAFFIC FEATURE, AND BRONZE ON BRONZE SEAT RINGS. HYDRANT SHALL HAVE PENTAGON SHAPED (5 SIDED) OPERATING NUT AND SHALL OPEN TURNING LEFT (COUNTER-CLOCKWISE.)
- MANUFACTURERS:** AMERICAN DARLING MK-73-1 FRANKLIN
MUELLER CENTURION A421 CLOW
KENNEDY GUARDIAN
WATERDUS TREND 100
- PAINT:** CHAINS SHALL BE REMOVED, AND HYDRANT SHALL BE PAINTED WITH RUSTOLEUM #964 FEDERAL SAFETY RED. NOZZLE CAPS AND BONNET SHALL ALSO RECEIVE A COAT OF ALERT SERIES 1440 SILVER WHITE AS MANUFACTURED BY FERRO, INC.
- OIL/GREASE:** HYDRANT SHALL BE OILED OR GREASED AS RECOMMENDED BY MANUFACTURER AFTER INSTALLATION.
- RESTRAINT:** ALL INSTALLATIONS SHALL HAVE CLASS A CONCRETE BLOCKING PLACED BEHIND BOTH TEE AND HYDRANT. EN LIEU OF THREADED BRIDLE RODS, APPROVED GRIP RING OR LOCKING FLANGE CONNECTIONS MAY BE USED. BOTH GRIP RINGS AND LOCKING FLANGES SHALL BE U.L. LISTED AND F.M. APPROVED WITH A RATED WORKING PRESSURE OF NOT LESS THAN 350 PSI WITH A MIN. SAFETY FACTOR OF 2:1. LOCKING FLANGE CONNECTIONS SHALL ONLY BE PERMITTED WHERE PROPER PLACEMENT AND GRADE ADJUSTMENT CAN BE PROVIDED.

REVISIONS		APPROVED	STD. NO.
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		DATE	REVISION
		03-29-06	

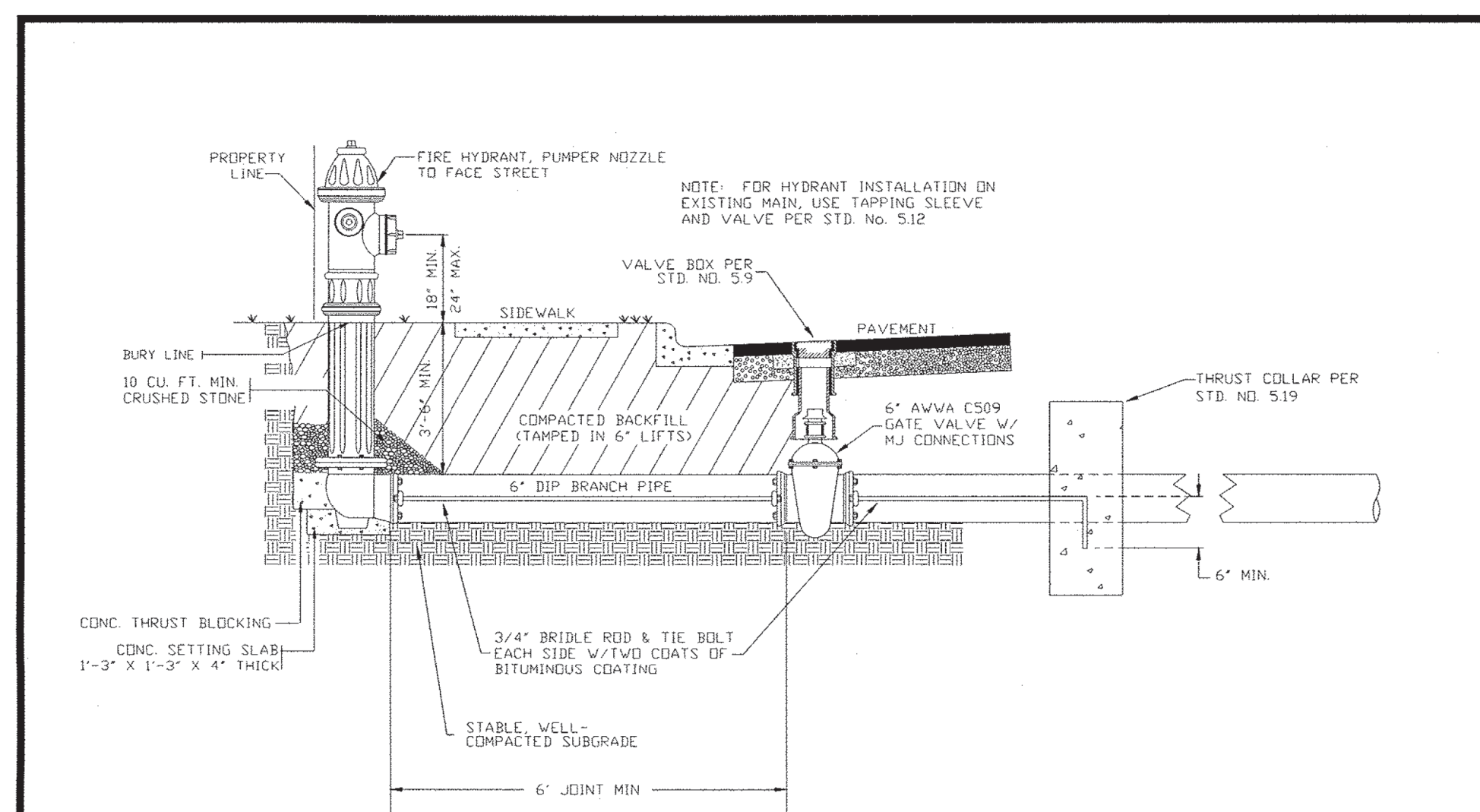
HYDRANT CONSTRUCTION NOTES (SHEET 2 OF 2)

CITY OF ROCKY MOUNT
DEPT. OF ENGINEERING

TRENCH DETAIL



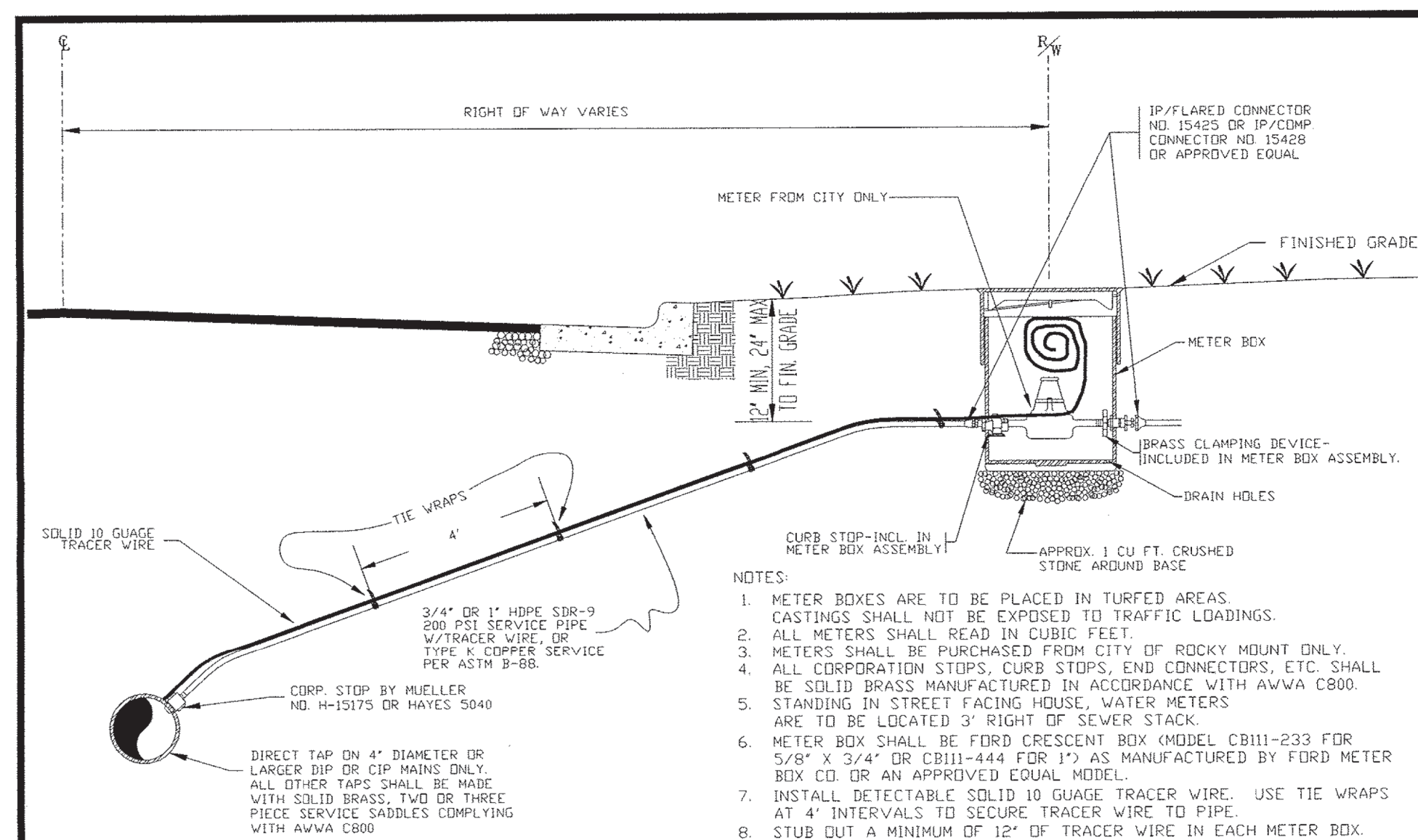
PLACE FOUNDATION CONDITIONING MATERIAL BELOW BEDDING IF REQUIRED, AS DIRECTED BY ENGINEER. PIPE BEDDED IN SELECT MATERIAL, CLASS II (TYPE 1) OR CLASS III. TRENCH BACKFILLED IN LOOSE 6" LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL. ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROXIMATELY 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.



REVISIONS		APPROVED	STD. NO.
NO	DATE DESCRIPTION		5.3a
		DATE	REVISION
		06-25-09	

PERMANENT LINE TERMINUS

CITY OF ROCKY MOUNT
DEPT. OF ENGINEERING



REVISIONS		APPROVED	STD. NO.
NO	DATE DESCRIPTION		5.5
		DATE	REVISION
		6-30-09	

5/8" x 3/4" & 1" WATER SERVICE

CITY OF ROCKY MOUNT
DEPT. OF ENGINEERING

DATE: 9/9/2009
TIME: 9:22:56 AM
DGN: B5980_uc_jst03A.dgn