



CHARLOTTE-MECKLENBURG UTILITIES
CHARLOTTE, NORTH CAROLINA

TYPICAL POINT REPAIR
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No.	Date	By	Revision	NTS Scale	Approved By	DETAIL NO. B
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NOTES:

1. THE SEQUENCE OF WORK FOR PERFORMING POINT REPAIRS SHALL BE AS FOLLOWS:
 - A. BYPASS PUMP FLOWS AROUND POINT REPAIR SEGMENT.
 - B. EXCAVATE TO 8" BELOW EXISTING SEWER.
 - C. NEATLY CUT EXISTING SEWER AT EACH END OF POINT REPAIR AND REMOVE EXISTING SEWER COMPLETELY.
 - D. INSTALL #67 STONE TO SEWER INVERT ELEVATION AND COMPACT.
 - E. INSTALL NEW DIP SEWER AT A CONSTANT SLOPE BETWEEN THE TWO EXISTING PIPE ENDS. CONNECT THE NEW SEWER TO THE EXISTING WITH RUBBER SLEEVE COUPLINGS. REMOVE STONE BEDDING AS REQUIRED TO INSTALL PIPE AND COUPLINGS AND FILL VOIDS UNDER PIPE WITH STONE.
 - F. RETURN FLOW THROUGH PIPE.
 - G. BACKFILL AND COMPACT AS SHOWN.
2. UNDER PAVED SURFACES ONLY, CONTRACTOR SHALL REMOVE EXCAVATED SOIL AND DISPOSE OF IT OFFSITE. CONTRACTOR SHALL IMPORT ABC STONE OR PIT GRAVEL FOR BACKFILLING FROM TOP OF #67 STONE TO PAVEMENT SUBGRADE. PAYMENT FOR ABC STONE OR PIT GRAVEL SHALL BE BASED ON THE LENGTH OF POINT REPAIR. ALL COSTS OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES BID.
3. SERVICE LATERALS LOCATED WITHIN POINT REPAIR SEGMENTS SHALL BE CONNECTED TO NEW SEWER WITH A DIP TEE. REFER TO DETAIL F.
4. LENGTH OF POINT REPAIR WILL BE DETERMINED BY THE CONTRACTOR AND/OR THE ENGINEER AFTER REVIEWING THE TELEVISION INSPECTION TAPES AND LOGS. THE CONTRACTOR SHALL EXTEND POINT REPAIRS IN THE FIELD AS NECESSARY AND APPROVED BY THE ENGINEER TO CONNECT TO SOLID PIPE.
5. THE CONTRACTOR SHALL USE A TRENCH BOX OR SHEETING AND SHORING IN ACCORDANCE WITH OSHA REGULATIONS TO SUPPORT THE TRENCH WALLS DURING THIS WORK. THE CONTRACTOR WILL NOT BE ALLOWED TO SLOPE TRENCH WALLS.
6. REFER TO DETAIL E FOR CONNECTING TO MANHOLES.
7. ALL PIPE USED FOR POINT REPAIRS SHALL BE DUCTILE IRON PIPE (DIP).

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