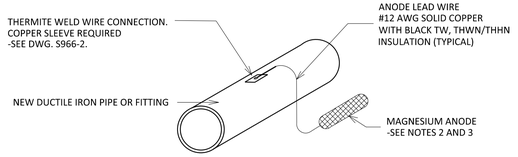
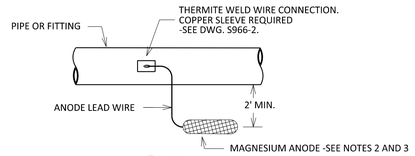
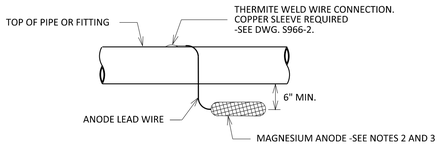




PLAN



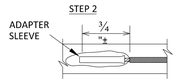
ELEVATION

NOTES:

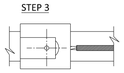
1. PIPE/FITTING PROTECTIVE WRAP IS NOT SHOWN FOR CLARITY. UNLESS OTHERWISE NOTED, DUTILE IRON WATER MAIN SHALL BE WRAPPED WITH POLYETHYLENE WRAP AND NON-EPOXY COATED DUCTILE IRON FITTINGS ON PLASTIC WATER MAINS SHALL BE COATED WITH PRIMER AND WAX TAPE.
2. USE HIGH POTENTIAL MAGNESIUM ANODE IN PREPACKAGED CLOTH BAG WITH BACKFILL. WEIGHT OF ANODE INGOT (EXCLUDING BACKFILL) AND SPACING OF ANODES ALONG DUCTILE IRON WATER MAIN AS NOTED ON PLANS OR AS DIRECTED BY PROJECT MANAGER.
3. ANODE IS TO BE PLACED IN TRENCH WITH ANODE CENTERLINE 6 INCHES MINIMUM BELOW BOTTOM OF PIPE OR FITTING AND 2 FEET MINIMUM FROM SIDE WALL OF PIPE OR FITTING. ANODE TO BE SURROUNDED WITH NATIVE BACKFILL.

CITY OF ROCHESTER		
ANODE AT NEW DUCTILE IRON WATER MAIN OR DUCTILE IRON FITTING ON NEW PLASTIC WATER MAIN		
ISSUED	3-21-02	NON-STANDARD
REVISED	12-28-10	DWG.NO.S966-1

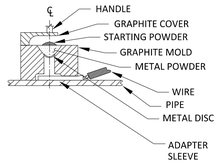
CLEAN PIPE SURFACE AT WELD LOCATION TO BRIGHT METAL USING MECHANICAL GRINDER

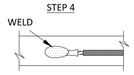


STRIP INSULATION FROM WIRE. INSERT WIRE IN COPPER ADAPTER SLEEVE IF WIRE IS #12 AWG OR SMALLER -SEE NOTE 3

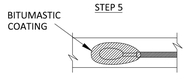


HOLD MOLD FIRMLY WITH OPENING AWAY FROM OPERATOR - IGNITE STARTING POWDER.





TEST WELD INTEGRITY (SEE NOTE #4) REMOVE SLAG FROM CONNECTION AND THOROUGHLY CLEAN WELD AREA

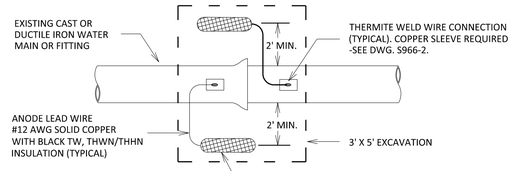


COAT ALL EXPOSED METAL AT WELD AREA WITH ONE COAT OF BRUSH APPLIED BITUMASTIC PROTECTIVE COATING

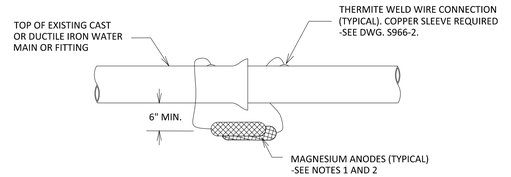
NOTES:

1. FOLLOW MANUFACTURER'S PROCEDURES AND RECOMMENDATIONS WHEN THERMITE WELDING.
2. USE APPROPRIATE WELD MOLDS AND WELD METALS FOR SPECIFIC SIZE AND MATERIAL OF PIPE THAT WIRE IS BEING ATTACHED TO.
3. WHEN THERMITE WELDING #12 AWG WIRES OR SMALLER, INSERT END OF WIRE INTO AN APPROVED COPPER SLEEVE PRIOR TO THERMITE WELDING AND CRIMP SLEEVE ON WIRE.
4. TEST WELD INTEGRITY BY STRIKING WELD WITH A HAMMER AFTER WELD HAS COOLED. AVOID STRIKING WIRE.

CITY OF ROCHESTER		
THERMITE WELD DETAILS		
ISSUED	10-17-08	NON-STANDARD
REVISED	12-28-10	DWG.NO.S966-2



PLAN

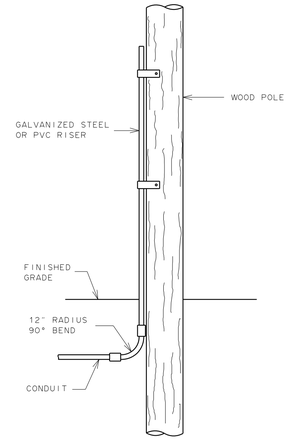


ELEVATION

NOTES:

1. USE HIGH POTENTIAL MAGNESIUM ANODE IN PREPACKAGED CLOTH BAG WITH BACKFILL. BARE WEIGHT OF ANODE INGOT (EXCLUDING BACKFILL) AND NUMBER OF ANODES AS NOTED ON PLANS OR AS DIRECTED BY PROJECT MANAGER.
2. ANODE IS TO BE PLACED IN TRENCH, WITH ANODE CENTERLINE 6 INCHES MINIMUM BELOW BOTTOM OF MAIN AND 2 FEET MINIMUM FROM SIDE WALL OF MAIN. ANODE TO BE SURROUNDED WITH NATIVE BACKFILL.
3. WHEN FOUR ANODES ARE REQUIRED AT EACH JOINT, TWO ANODES SHALL BE INSTALLED ON EACH SIDE OF PIPE WITH 3 FEET SEPARATION BETWEEN ANODES ON EACH SIDE OF PIPE. EXCAVATED AREA SHALL BE EXTENDED ALONG LENGTH OF WATER MAIN, AS NEEDED.

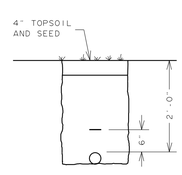
CITY OF ROCHESTER		
ANODE AT EXISTING DUCTILE/CAST IRON PIPE JOINT (RECONSTRUCTION)		
ISSUED	12-21-09	NON-STANDARD
REVISED	12-28-10	DWG.NO.S966-5



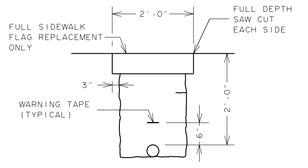
NOTES:

RISER IS TO BE PROPERLY GROUNDED AND IS TO EXTEND TO THE FUSE POINT LOCATED ON THE WOOD POLE

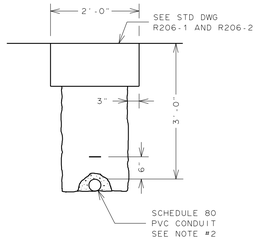
CITY OF ROCHESTER		
CONNECTION TO WOOD POLE		
ISSUED	9-2-91	STD. DWG.
REVISED	4-28-06	NO. R671-17



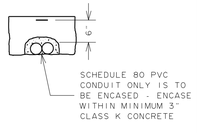
LAWN AREA



DRIVEWAY OR SIDEWALK CROSSING



ROADWAY CROSSING

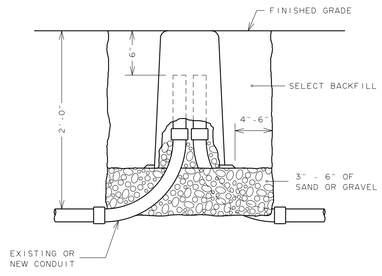


MULTIPLE CONDUITS

NOTES:

1. ALL CONDUIT RUNS ARE TO DRAIN INTO THE PULLBOX.
2. IF REQUIRED BY PROJECT MANAGER, CONDUIT FOR ROADWAY CROSSINGS IS TO BE ENCASED WITHIN CLASS K CONCRETE - FROM PULLBOX TO PULLBOX, OR FROM PULLBOX TO LIGHT POLE.

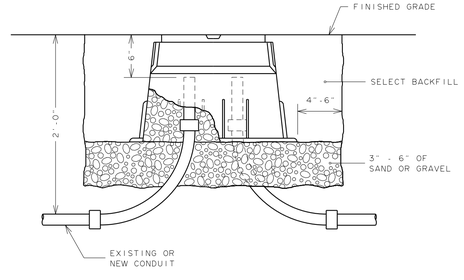
CITY OF ROCHESTER		
CONDUIT TRENCH		
ISSUED	9-2-91	STD. DWG.
REVISED	4-28-06	NO. R671-1



NOTES:

1. PLACE 3 TO 6 INCHES OF SAND OR GRAVEL IN BOTTOM OF EXCAVATION.
2. IF NECESSARY, USE CONDUIT EXTENSION AND COUPLING TO EXTEND EXISTING CONDUIT TO FINISHED GRADE.
3. PULLBOX WILL BE AS PROVIDED BY THE CITY.
4. PULLBOX WITH CONCRETE RING AND STEEL COVER WILL BE USED FOR INSTALLATION IN PAVED AREAS.

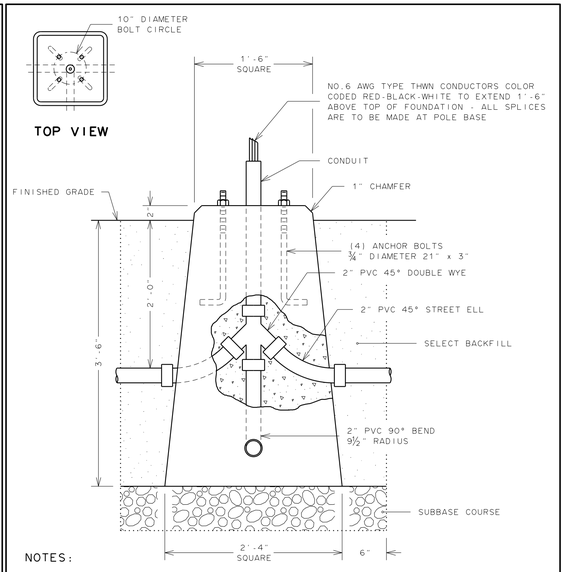
CITY OF ROCHESTER		
FIBERGLASS PULLBOX INSTALLATION		
ISSUED	9-2-91	STD. DWG.
REVISED	4-28-06	NO. R671-4



NOTES:

1. PLACE 3 TO 6 INCHES OF SAND OR GRAVEL IN BOTTOM OF EXCAVATION.
2. IF NECESSARY, USE CONDUIT EXTENSION AND COUPLING TO EXTEND EXISTING CONDUIT TO FINISHED GRADE.
3. HANDHOLE WILL BE AS PROVIDED BY THE CITY.

CITY OF ROCHESTER		
FIBERGLASS HANDHOLE INSTALLATION		
ISSUED	9-2-91	STD. DWG.
REVISED	4-28-06	NO. R671-5



NOTES:

1. FOUNDATION TO BE MADE OF CLASS K CONCRETE. TOP OF FOUNDATION TO BE 2 INCHES ABOVE FINISHED GRADE.
2. TOP OF ANCHOR BOLTS TO EXTEND 2 INCHES ABOVE TOP OF FOUNDATION.
3. TOP OF CONDUIT TO EXTEND 6 INCHES ABOVE TOP OF FOUNDATION.
4. ALL CONDUIT CONNECTIONS IN FOUNDATION TO HAVE DOUBLE WYE TYPE OPENING.
5. SUPPLY TWO NEW LEVELING SHIMS FOR EACH EXISTING ANCHOR BOLT FOR LEVELING BASE PLATE AND TO PLUMB POLE.

CITY OF ROCHESTER		
FIBERGLASS POLE PRECAST FOUNDATION		
ISSUED	9-2-91	STD. DWG.
REVISED	4-28-06	NO. R671-9

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER: ALBERT J.GIGLIO,P.E.
CITY ENGINEER: JAMES R.McINTOSH,P.E.

PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

ISSUED	JUNE 1, 2015
CHECKED	LYR
DRAWN	RKS
DESIGN	LYR
SCALE	NONE
PROJECT NUMBER	12109

DRAWING TITLE
DETAILS

DRAWING NO.
41
OF
50