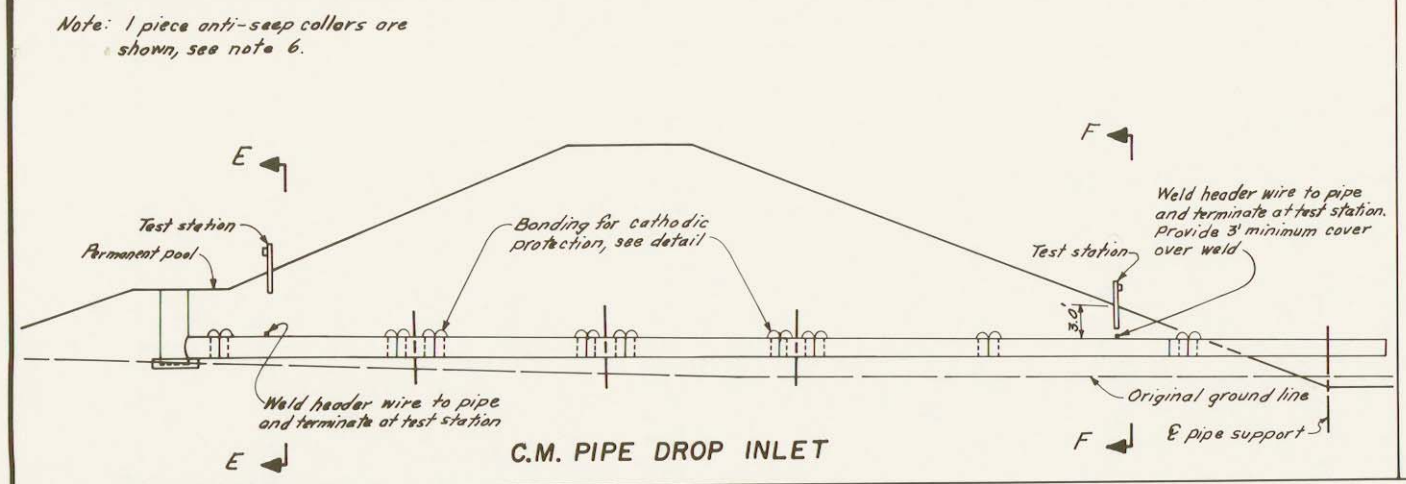
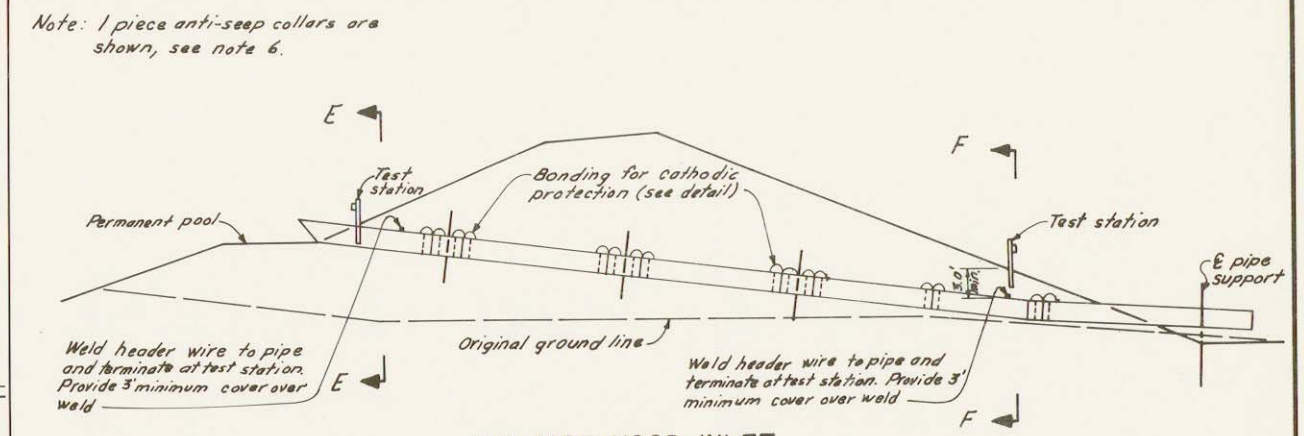
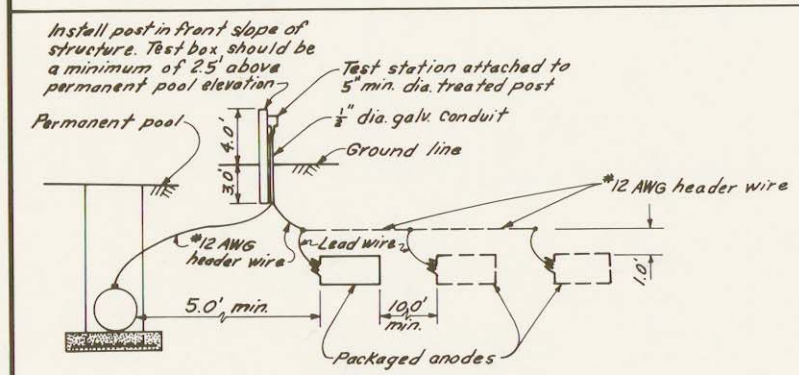


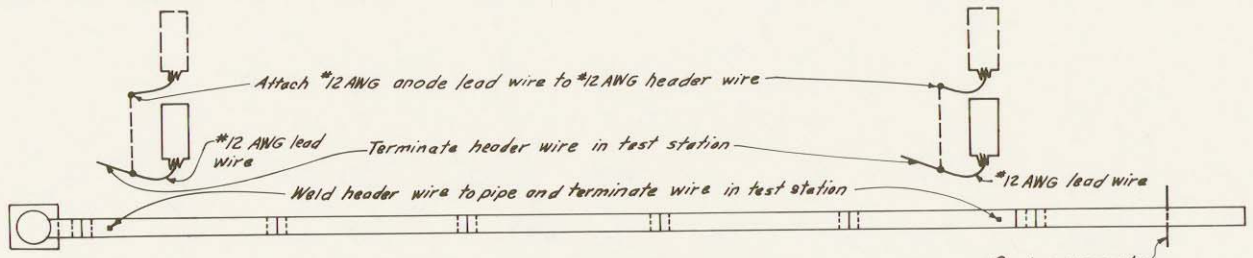
C.M. PIPE DROP INLET



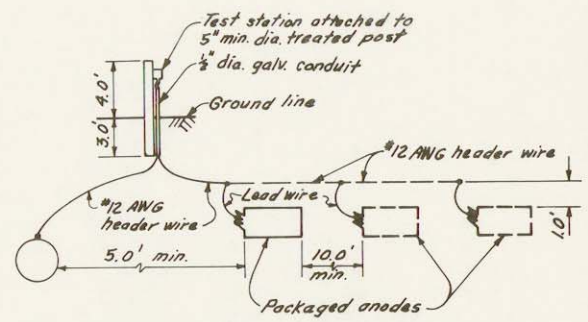
C.M. PIPE HOOD INLET



PACKAGED MAGNESIUM ANODES REQUIRED
(Upstream)



PLAN VIEW OF ANODE DETAIL



PACKAGED MAGNESIUM ANODES REQUIRED
(Downstream)

SIZE	NO. REQ'D.

SECTION E-E

SIZE	NO. REQ'D.

SECTION F-F

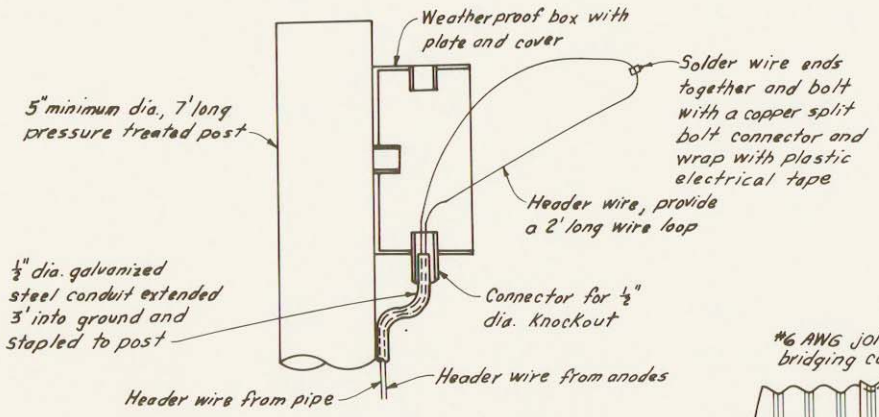
TABLE OF QUANTITIES

ITEM	UNIT	QUANTITY
5" DIA., 7' LONG PRESSURE TREATED POST	EACH	
1/2" DIA., 6' LONG GALV. STEEL CONDUIT	EACH	
WEATHERPROOF BOX	EACH	
PACKAGED MAGNESIUM ANODES	EACH	
# 6 AWG JOINT BRIDGING CABLE	LIN. FT.	
# 12 AWG HEADER WIRE	LIN. FT.	

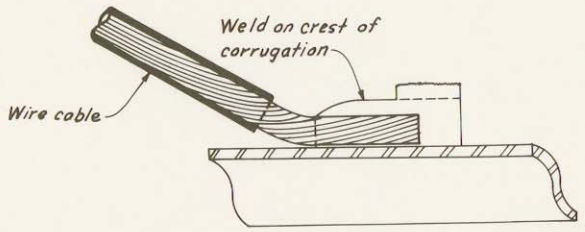
JOINT BRIDGING CABLE LENGTHS

PIPE DIAMETER	CABLES A LENGTH	A QUANTITY	B* LENGTH	B* QUANTITY
12	2-0	2	1-0	1
15	2-0	2	1-3	1
18	2-0	2	1-6	1
21	2-0	2	1-9	1
24	2-0	2	2-0	1
30	2-0	2	2-6	1
36	2-0	2	3-0	1
42	2-0	2	3-6	1
48	2-0	2	4-0	1
54	2-0	2	4-6	1
60	2-0	2	5-3	1

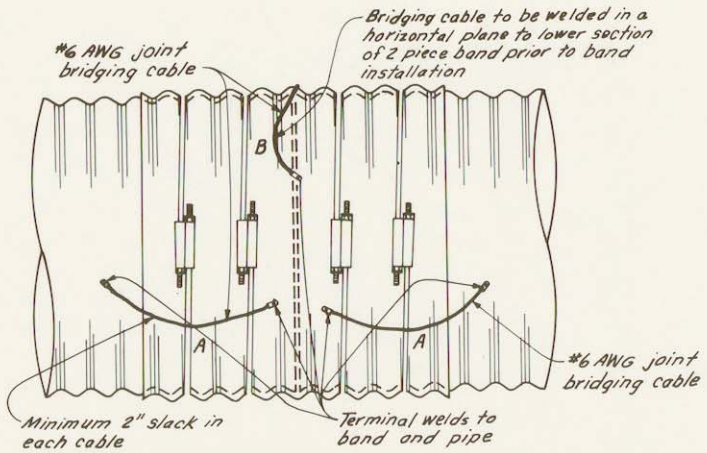
*B CABLES ARE NOT REQUIRED WITH ONE PIECE BANDS



DETAIL OF ANODE TEST STATION



DETAIL OF CABLE WELD CONNECTION



PLAN VIEW

CABLE FOR C.M. PIPE AND COUPLING BAND

NOTES:

1. LOCATE ANODES IN NATURAL SOIL WITHIN 200' OF TEST STATION AS DIRECTED BY THE ENGINEER.
2. PIPE WELD CONNECTION AREAS SHALL BE ROUGHENED AND CLEANED TO EXPOSE THE BASE METAL TO PROVIDE GOOD CONDUCTIVITY.
3. TERMINAL WELDS ON BANDS SHALL BE PLACED OUTSIDE OF BAND LAP AREA TO AVOID INTERFERENCE WITH LAP.
4. AFTER WELDING, ALL EXPOSED METAL SHALL BE COATED AS SPECIFIED FOR PATCHING DAMAGED PIPE COATING.
5. THE POWDER WELDING CARTRIDGE SHALL BE EQUAL TO OR BETTER THAN CADWELD CARTRIDGE CA 15+.
6. WHEN TWO PIECE ANTI-SEEP COLLARS ARE USED, WELD A LENGTH OF BRIDGING CABLE TO UPPER AND LOWER PIECES AND FROM PIPE TO COLLAR.
7. BACKFILL AROUND ANODE WITH WELL TAMPED, MOIST CL MATERIAL.
8. MINIMUM TRENCH WIDTH FOR ANODES SHALL BE 2'.
9. ANODE MAY BE LOCATED EITHER DOWNSTREAM OR UPSTREAM OR BOTH LOCATIONS.
10. CROSS OUT VIEWS NOT APPLICABLE.

JOB PLAN NO. 3.6

CATHODIC PROTECTION SYSTEM

OPERATOR: _____

CONSEVATION DISTRICT: _____

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

	Date		
Designed		Approved by	
Drawn		Title	
Traced		Title	
Checked		Sheet No of	Drawing No.

☆ U.S. GPO: 1977-766-673/86 Region 6