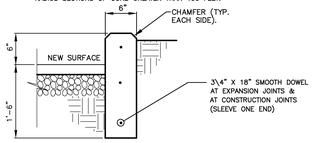
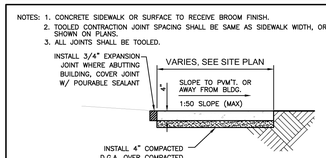


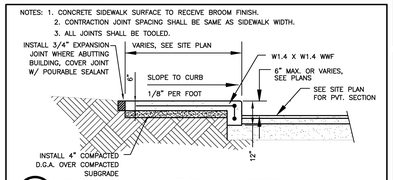
A C1.02 CONCRETE HEADER CURB DETAIL

SCALE: N.T.S.



B1 C1.02 STANDARD SIDEWALK OR CONCRETE SURFACE DETAIL

SCALE: N.T.S.

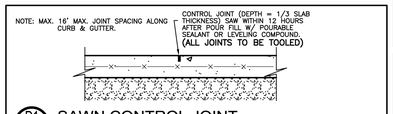


B2 C1.02 TURNDOWN SIDEWALK DETAIL

SCALE: N.T.S.

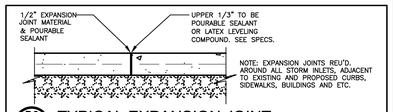
C NOT USED

SCALE: N.T.S.



D1 C1.02 SAWN CONTROL JOINT

SCALE: N.T.S.

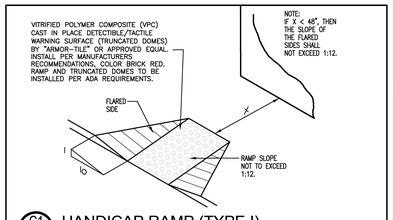


D2 C1.02 TYPICAL EXPANSION JOINT

SCALE: N.T.S.

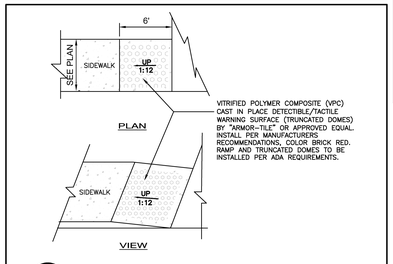
E NOT USED

SCALE: N.T.S.



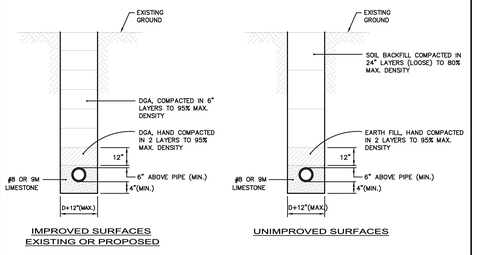
G1 C1.02 HANDICAP RAMP (TYPE I)

SCALE: N.T.S.



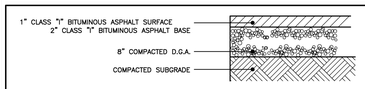
G2 C1.02 HANDICAP RAMP (TYPE II)

SCALE: N.T.S.



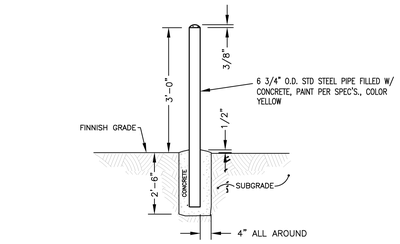
H C1.03 PIPE TRENCH BACKFILL DETAIL

SCALE: N.T.S.



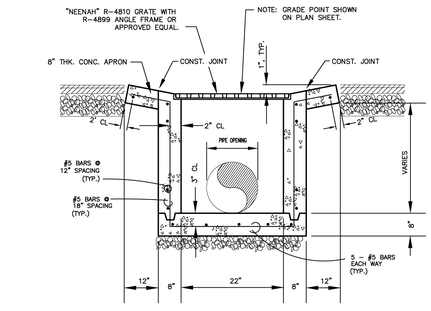
I C1.02 STANDARD ASPHALT PAVING SECTION

SCALE: N.T.S.



J C1.02 PIPE BOLLARD DETAIL

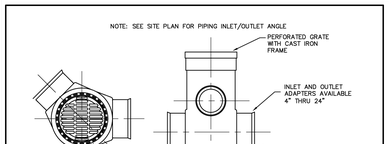
SCALE: N.T.S.



NOTE: CONTRACTOR TO VERIFY DIMENSIONS FOR COMPATIBILITY WITH CASTING.

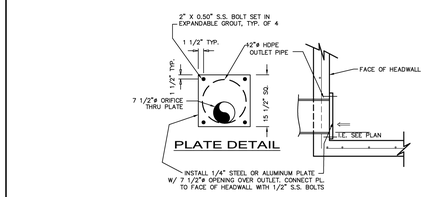
K C1.03 JUNCTION BOX DETAIL

SCALE: N.T.S.



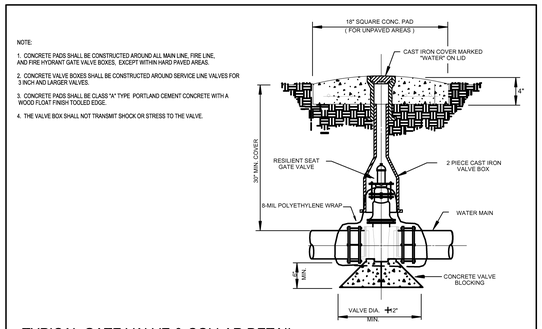
L C1.03 ADS DRAIN BASIN DETAIL

SCALE: N.T.S.

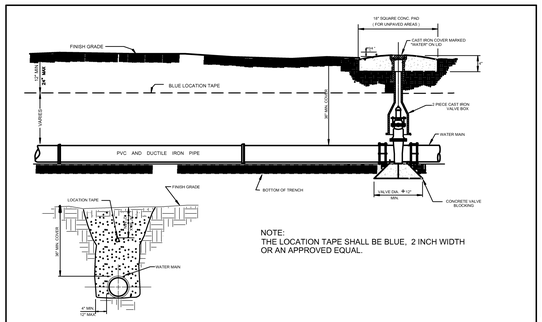


M C1.03 OUTLET CONTROL PLATE DETAIL

SCALE: N.T.S.

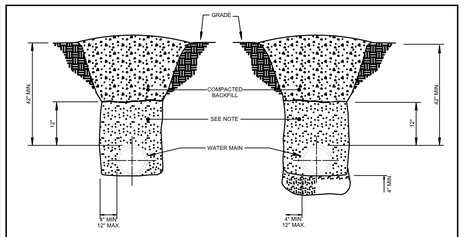


TYPICAL GATE VALVE & COLLAR DETAIL



NOTE:
THE LOCATION TAPE SHALL BE BLUE, 2 INCH WIDTH OR AN APPROVED EQUAL.

LOCATION TAPE INSTALLATION DETAIL

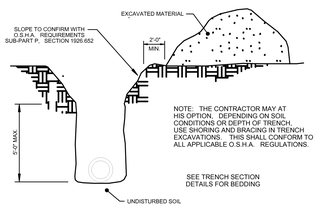


TRENCH SECTION IN SOIL

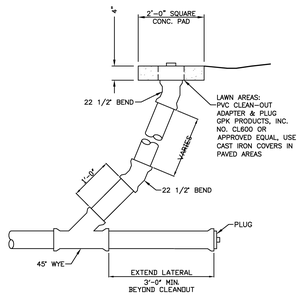
TRENCH SECTION IN ROCK

NOTE: COMPACTED BACKFILL SHALL BE PLACED TO A ONE FOOT MIN. DEPTH OF COVER. THE INITIAL BACKFILL SHALL BE A MATERIAL FREE FROM ROCKS GREATER THAN 1/2" DIA., SOIL CLODS, OR FROZEN MATERIAL. IF AUTOMATIC TAMPERS ARE USED, CARE SHALL BE EXERCISED TO AVOID DAMAGE TO THE PIPE.

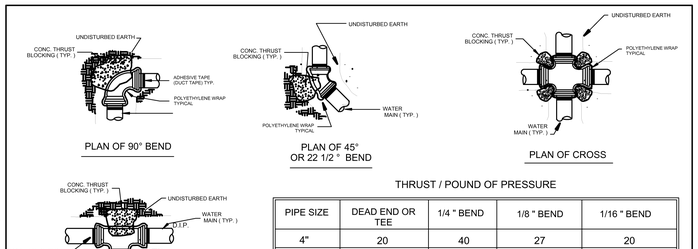
TYPICAL TRENCH CUT DETAIL



O.S.H.A. TRENCH DETAIL



TYPICAL CLEANOUT DETAIL



THRUST / POUND OF PRESSURE

PIPE SIZE	DEAD END OR TEE	1/4 " BEND	1/8 " BEND	1/16 " BEND
4"	20	40	27	20
6"	39	60	54	29
8"	68	100	56	31
10"	110	160	89	48
12"	155	220	120	62
16"	260	340	180	90

NOTE:
1. ALL DUCTILE IRON AND PVC PIPE, FITTINGS AND VALVES SHALL BE COATED WITH A POLYETHYLENE MATERIAL 8-MIL INSTALLED TO THE CURRENT ADDITION OF THE AWWA C105.
2. BLOCKING SHALL BE POURED AFTER THE POLYETHYLENE WRAP IS IN PLACE.
3. BLOCKING SHALL BE INSPECTED BY CITY OF HARDIN AND/OR THE DESIGN ENGINEER'S INSPECTOR PRIOR TO BACKFILLING.
4. THRUST BLOCKS TO BE PLACED AGAINST UNDISTURBED EARTH. USE ADDITIONAL CONCRETE AS REQUIRED FOR OVER EXCAVATION. ALL CONCRETE SHALL BE 3000 PSI @ 28 DAYS.

TYPICAL THRUST BLOCKING DETAIL

Hastings+Chivetta
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525 Executive Blvd, Suite 200 | Saint Louis, Missouri 63141 | Tel 314.983.2727 | Fax 314.983.2823 | www.hastingschivetta.com
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STRUCTURAL: BACON, FARMER, WORKMAN ENGINEERING & TESTING, INC., 403 N. COURT ST., MARION, ILLINOIS 62959
MPE: MARCUM ENGINEERING, LLC, 800 SOUTH 17TH STREET, PADUCAH, KENTUCKY, 42002

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MURRAY, KENTUCKY
BID SET - 2012-01-04

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FDC Project No -	10-007
BFW Project No -	11194
Marcum Project No -	11557

Sheet Name - SITE DETAILS

C1.05