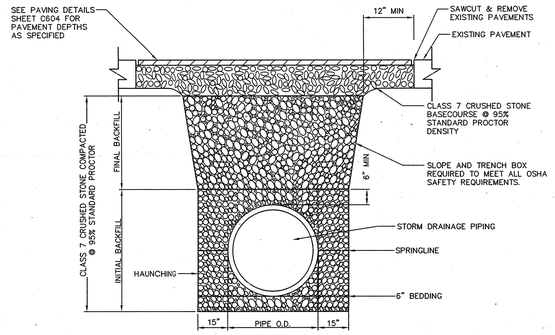
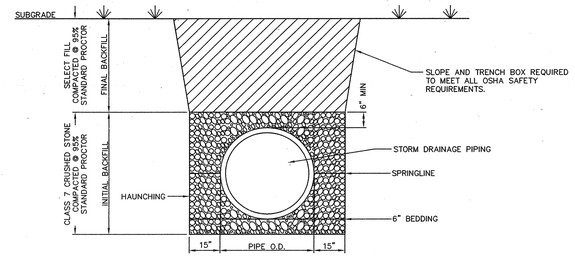


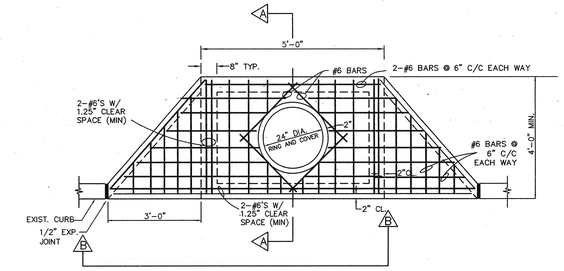
1 STORM DRAINAGE TRENCH DETAIL (UNDER EXISTING ROADWAY

N.T.S.



2 STORM DRAINAGE TRENCH DETAIL

N.T.S.



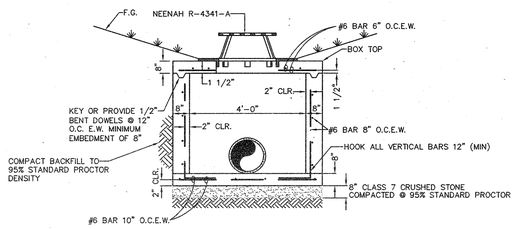
NOTES ON CURB INLETS

1. C.I. RING & COVER TO BE 24" HEAVY DUTY, NEENAH R-1642-A, OR EQUAL.
2. INSTALL DOUBLE THROAT INLET AS SHOWN ON THE PLANS.

6 (DOUBLE WING CURB INLET DETAIL)

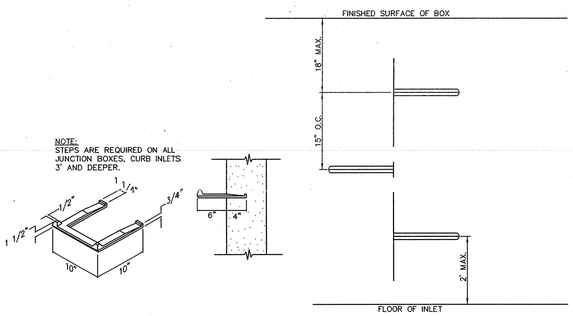
N.T.S.

NOTES:
1. C.I. RING & COVER TO BE 24" HEAVY DUTY TYPE IN PAVED AREAS.
2. INLETS 3' DEEP & GREATER SHALL HAVE STANDARD MANHOLE STEPS.
3. INSTALL SILT FENCE PER EROSION CONTROL PLAN AROUND ALL JUNCTION BOXES, CURB INLETS, GRATE INLETS, ETC. DURING CONSTRUCTION.



GRATE INLET (STOOL TYPE) DETAIL
SECTION VIEW A-A

N.T.S.



3 MANHOLE STEP DETAIL

N.T.S.

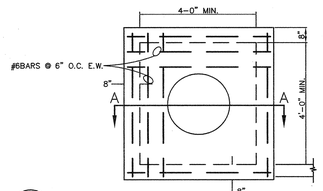
A. MANHOLE STEPS: CORROSION RESISTANT, COATED, AND REINFORCED WITH STEEL PER ASTM C-478. STEEL REINFORCING MINIMUM ⅝" DIAMETER.

B. ACCEPTABLE MANUFACTURERS:
1. UTILITY PRODUCTS INC. PERMA STEP 100-2
2. ICM INC. POLYPROPYLENE COATED STEPS.
3. M.A. INDUSTRIES, INC. POLYPROPYLENE COATED STEPS.
4. BOWCO, BY H. BOWEN CO.
5. NEENAH

C. CAPABLE OF SUPPORTING MINIMUM 300 LB. LOAD.

D. NON-SLIP TEXTURED TREADS.

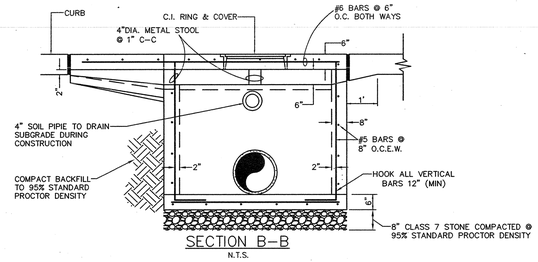
E. REQUIRED IN ALL STRUCTURES 3'-0" DEEP OR GREATER.



4 GRATE INLET (STOOL TYPE) DETAIL
PLAN VIEW

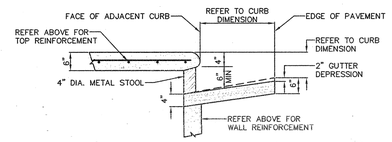
N.T.S.

NOTES:
1. C.I. RING & COVER TO BE 24" HEAVY DUTY TYPE IN PAVED AREAS.
2. INLETS 3' DEEP & GREATER SHALL HAVE STANDARD MANHOLE STEPS.
3. INSTALL WEEP HOLES IN ALL 4 SIDES OF THE GRATE INLETS LOCATED WITHIN THE BIOSWALES.
4. INSTALL SILT FENCE PER EROSION CONTROL PLAN AROUND ALL JUNCTION BOXES, CURB INLETS, GRATE INLETS, ETC. DURING CONSTRUCTION.



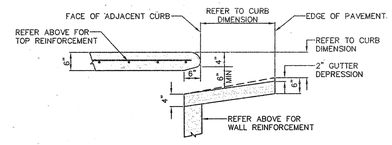
SECTION B-B

N.T.S.



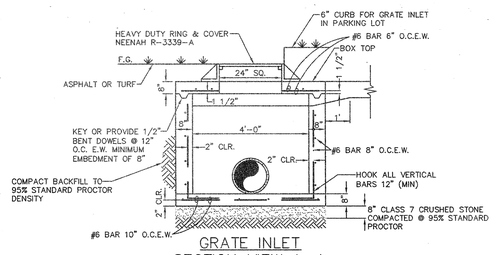
TYPICAL INLET THROAT DETAIL (@ STOOLS)

N.T.S.



TYPICAL INLET THROAT DETAIL (BETWEEN STOOLS)

N.T.S.



GRATE INLET
SECTION VIEW A-A

N.T.S.

NOTES:
1. C.I. RING & COVER TO BE 24" HEAVY DUTY TYPE IN PAVED AREAS.
2. INLETS 3' DEEP & GREATER SHALL HAVE STANDARD MANHOLE STEPS.
3. INSTALL WEEP HOLES IN ALL 4 SIDES OF THE GRATE INLETS LOCATED WITHIN THE BIOSWALES.
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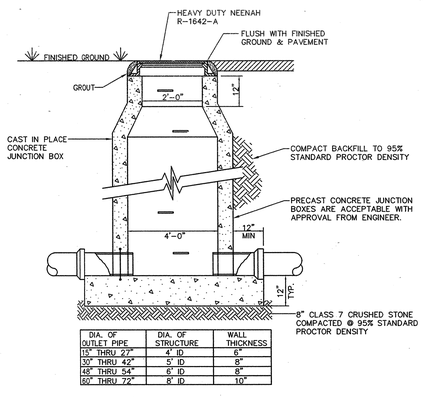
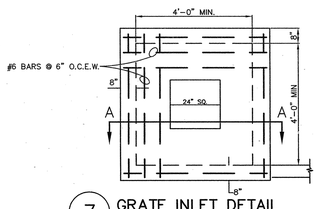


DIA. OF OUTLET PIPE	DIA. OF STRUCTURE	WALL THICKNESS
15" THRU 27"	4' ID	6"
30" THRU 42"	5' ID	8"
48" THRU 54"	6' ID	8"
60" THRU 72"	8' ID	10"

5 CAST IN PLACE JUNCTION BOX DETAIL

N.T.S.



7 GRATE INLET DETAIL
PLAN VIEW

N.T.S.

POLK STANLEY ROWLAND CURZON PORTER
ARCHITECTS, LTD.

700 SOUTH SCHILLER
LITTLE ROCK, AR 72201
501.378.0878 office
501.372.7629 fax

509W. SPRING STREET, SUITE 150
FAYETTEVILLE, AR 72701
479.444.0473 office
479.251.7216 fax

www.polkstanley.com

CONSULTANTS:

CIVIL ENGINEER:
McCLELLAND CONSULTING ENGINEERS INC.

LANDSCAPE ARCHITECT:
LARSON BURNS SMITH

STRUCTURAL ENGINEER:
CROMWELL ENGINEERS INC.

MECH., ELEC., PLUMB. ENGINEER:
CROMWELL ENGINEERS INC.

GLOBAL VILLAGE CONSULTANT:
CAMBRIDGE SEVEN ASSOCIATES

INTERIOR DESIGNER:
POLK STANLEY ROWLAND CURZON PORTER ARCHITECTS

GENERAL CONTRACTOR:
CDI CONTRACTORS, INC.

NOTES:

ISSUE DATE:
17 SEPTEMBER 07

REVISIONS:

#	DATE	DESCRIPTION

MURPHY KELLER EDUCATION CENTER

HEIFER INTERNATIONAL CENTER

LITTLE ROCK, ARKANSAS

PSRCP JOB NUMBER:
431E

CONTENTS:
SITE DRAINAGE DETAILS

SHEET NUMBER:
C503

CERTIFICATE OF AUTH. McCLELLAND CONSULTING ENGINEERS No. 24 ARKANSAS ENGINEER

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 12713 9/11/07 DANIEL G. BERANEK

ORIGINAL SIGNATURE ON FILE

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