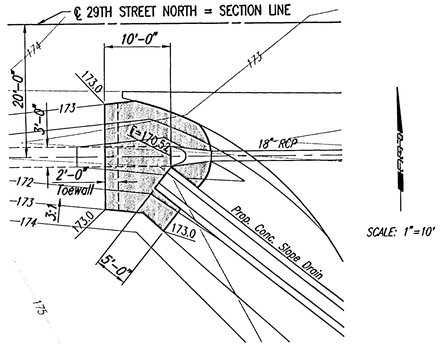
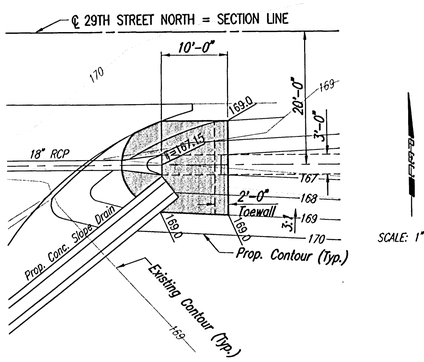


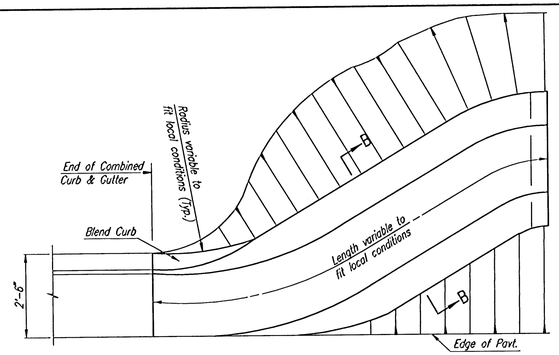
SCALE: 1"=10'

RIPRAP PLAN

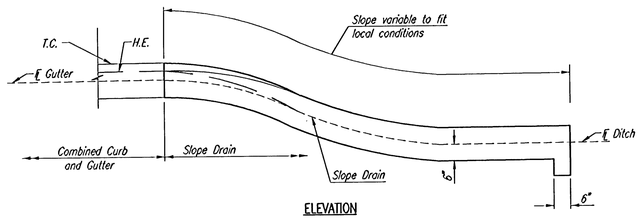


SCALE: 1"=10'

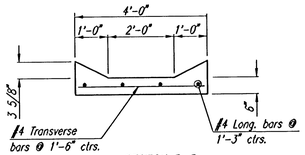
RIPRAP PLAN



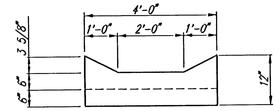
PLAN



ELEVATION



SECTION B-B



END ELEVATION
DOWNSTREAM END

SLOPE DRAIN DETAILS

SLOPE DRAIN NOTES

1 THE ENTIRE AREA OF THE SLOPE DRAIN TO BE POURED MONOLITHICALLY AND STRUCK OFF WITH A UNIFORM MINIMUM THICKNESS OF 6 INCHES; THE CURBS AND SLOPES ARE TO BE APPLIED IN THE SAME MANNER, USING THE SAME METHODS AS FOR EDGE CURB.

2 CONCRETE USED IN SLOPE DRAIN AND TOE WALL SHALL BE SAME AS THAT USED FOR COMBINED CURB AND GUTTER.

3 NO EXPANSION OR CONTRACTION JOINTS TO BE PLACED WITHIN THE LIMITS OF THE SLOPE DRAIN.

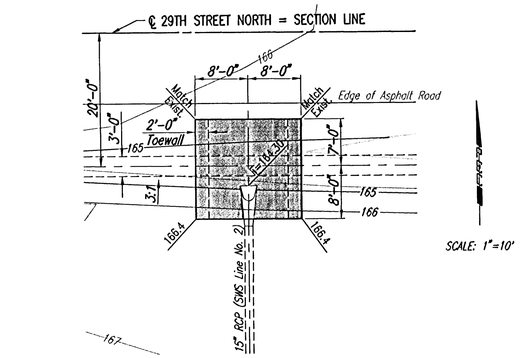
4 ALL EXPOSED EDGES SHALL BE FINISHED WITH AN EDGING TOOL.

5 ALL REINFORCING STEEL SHALL CONFORM TO ASTM A-615 SPECIFICATION GRADE 60.

6 ALL DIMENSIONS RELATIVE TO PLACEMENT OF REINFORCING STEEL ARE TO CENTERLINE OF BARS UNLESS OTHERWISE NOTED. ALL BARS ARE #4 BARS AND SHALL HAVE A MINIMUM CLEARANCE OF 1-1/2" UNLESS OTHERWISE NOTED.

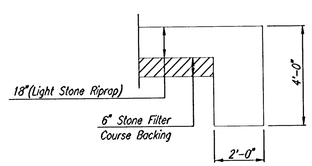
7 REINFORCING STEEL IS SUBSIDIARY TO SLOPE DRAIN.

8 SLOPE DRAINS SHALL BE MEASURED AND PAID FOR AT THE CONTRACT UNIT PRICE BID PER EACH. THIS SHALL BE CONSIDERED FULL COMPENSATION FOR ALL EXCAVATION, BACKFILLING, MATERIALS, LABOR, EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.



SCALE: 1"=10'

RIPRAP PLAN
(SWS Line No. 2)



TYPICAL SECTION THRU TOEWALL
NO SCALE

NOTES

1. ALL RIPRAP FOR THIS PROJECT SHALL BE NATURAL STONE. NEITHER BROKEN CONCRETE, FABRIC ENVELOPE, NOR PREMIXED DRY PACKAGED CONCRETE BAG ALTERNATES WILL BE ALLOWED.
2. TOEWALLS SHALL BE INSTALLED ALONG ALL EDGES OF STONE RIPRAP UNLESS SHOWN OTHERWISE.
3. GROUTING OF THE SURFACE OF THE RIPRAP SHALL NOT BE PERFORMED. GROUTING OF THE TOEWALLS SHALL BE PERFORMED PER CITY SPECIFICATIONS.

BRIAND D. BOUTWELL LICENSED 10889 PROFESSIONAL ENGINEER
11/28/05

No.	Revision	By	Date

EVERGREEN 5TH

MISCELLANEOUS DRAINAGE DETAILS

JAMES L. ARMOUR, P.E.-CITY ENGINEER
CITY OF WICHITA PROJECT NO. 472-84103

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303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003

Designed by	BDB, BMM	Job No.	35-05415-000	Sheet 24 of 45
Drawn by	BJS, BMM	Date	July 2005	

DSN'R: BMM OPER: BJS SCALE: 1=10.00
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