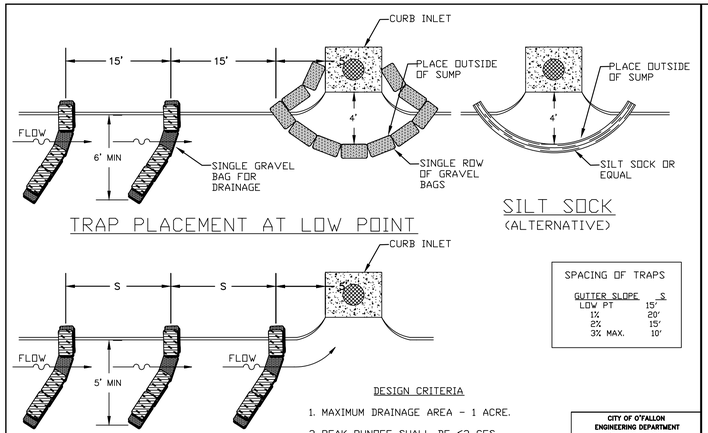


TRAP PLACEMENT AT LOW POINT

SILT SOCK (ALTERNATIVE)

TRAP PLACEMENT AT INTERMEDIATE INLET

SPACING OF TRAPS	
GUTTER SLOPE	S
LOW PT	15'
1%	20'
2%	15'
3% MAX.	10'

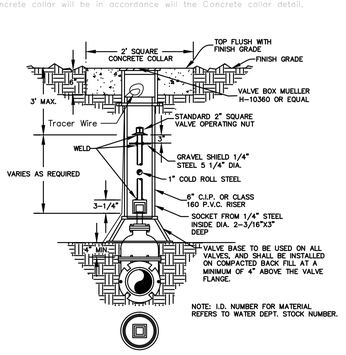
DESIGN CRITERIA

1. MAXIMUM DRAINAGE AREA - 1 ACRE.
2. PEAK RUNOFF SHALL BE ≤2 CFS BASED ON THE 6-MONTH STORM.
3. STACK GRAVEL BAGS DOUBLE HIGH. PROVIDE GAP FOR DRAINAGE.

CITY OF O'FALLON ENGINEERING DEPARTMENT O'FALLON, MISSOURI

CURB INLET PROTECTION

Concrete collar will be in accordance will the Concrete collar detail.



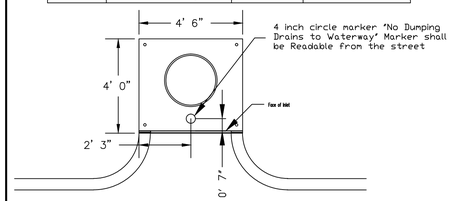
WATER VALVE DETAIL
NOT TO SCALE

CITY OF O'FALLON ENGINEERING DEPARTMENT O'FALLON, MISSOURI

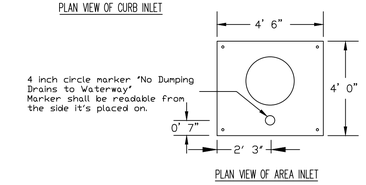
WATER VALVE DETAIL

* The City of O'Fallon must be provided with a symbol/medallion for review and approval prior to installation. Contact the City if any information is needed.

Size	Style	Adhesive	Message (Part #)
3 7/8" TO 4"	Crystal Cap or Standard Style	Epoxy	No Dumping Drains to Waterway



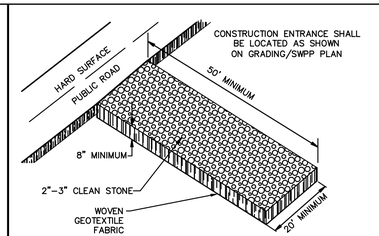
PLAN VIEW OF CURB INLET



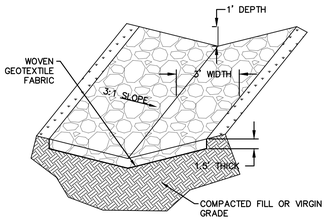
PLAN VIEW OF AREA INLET

CITY OF O'FALLON ENGINEERING DEPARTMENT O'FALLON, MISSOURI

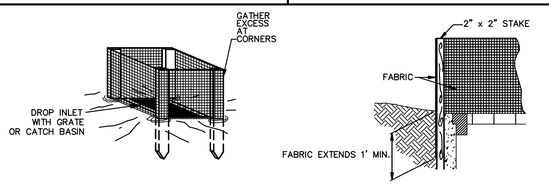
STORM DRAIN MARKER LOCATION



CONSTRUCTION ENTRANCE
NO SCALE

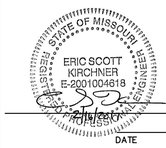


RIP RAP SWALE
NO SCALE

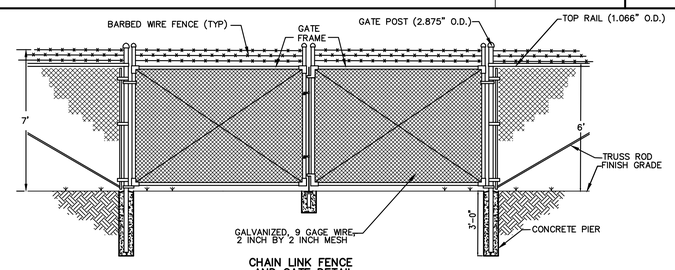


SILT FENCE INLET PROTECTION
NO SCALE

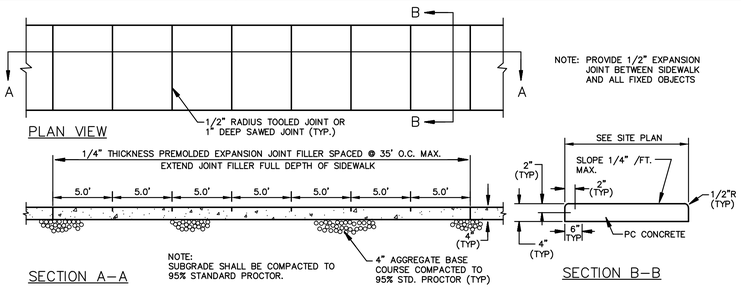
North Office
8 East Main Street
Wentzville, Missouri 63385
636-327-0760 (fax)
636-332-4574 (tel.)
wentzmail@cochranengineering.com
COCHRAN
• Civil Engineering
• Land Surveying
• Architecture
• Site Development
• General Consulting
• Master Planning



Eric S. Kirchner No. E-2001004618
Registered Professional Engineer
State of Missouri
for Cochran Engineering & Surveying



CHAIN LINK FENCE AND GATE DETAIL
NO SCALE



PLAN VIEW

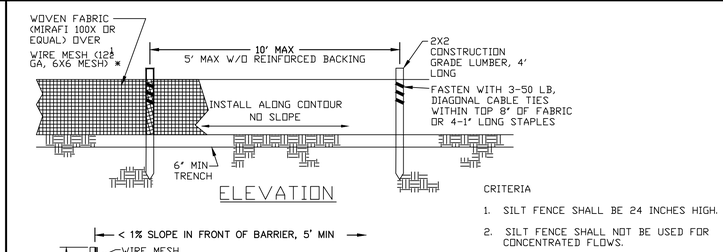
SECTION A-A

SECTION B-B

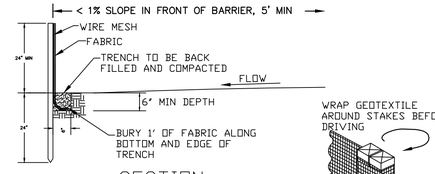
CONCRETE SIDEWALK
NO SCALE

HEAVY DUTY CONCRETE/ CONCRETE APPROACH DETAIL
NO SCALE

STANDARD DUTY CONCRETE PAVING
NO SCALE



ELEVATION



SECTION

NOTE: IF FABRIC IS INSTALLED BY EQUIPMENT DESIGNED TO SLICE INTO THE GROUND, THE TRENCH IS NOT REQ'D.

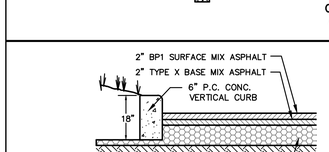
JOINING SECTIONS OF SILT FENCE

CRITERIA

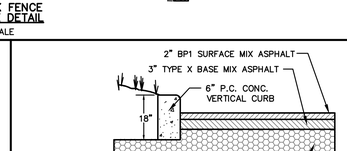
1. SILT FENCE SHALL BE 24 INCHES HIGH.
2. SILT FENCE SHALL NOT BE USED FOR CONCENTRATED FLOWS.
3. GEOSYNTHETIC REINFORCED SILT FENCE BACKING MAY BE USED IN LIEU OF WIRE MESH.
4. WIRE MESH WILL BE USED AT LOCATIONS SHOWN ON THE APPROVED SWPPP.

CITY OF O'FALLON ENGINEERING DEPARTMENT O'FALLON, MISSOURI

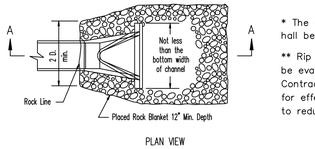
SILT FENCE INSTALLATION SHEET FLOW (ONLY)



STANDARD DUTY ASPHALT PAVING
NO SCALE



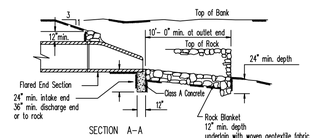
HEAVY DUTY ASPHALT PAVING
NO SCALE



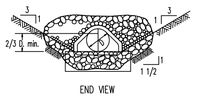
PLAN VIEW

* The discharge point of all flared end sections hall be protected by rip rap or other approved means.

** Rip rap shown at flared end sections will be evaluated in the field by the Engineer, Contractor, and City Inspectors after installation for effectiveness and field modified, if necessary to reduce erosion on and off site.



SECTION A-A



END VIEW

NOTE:
1. To be used at intake and discharge end of pipe. Grade of Rock Blanket to be adjusted accordingly.
2. Woven Geotextile Fabric required under Rock Blanket.

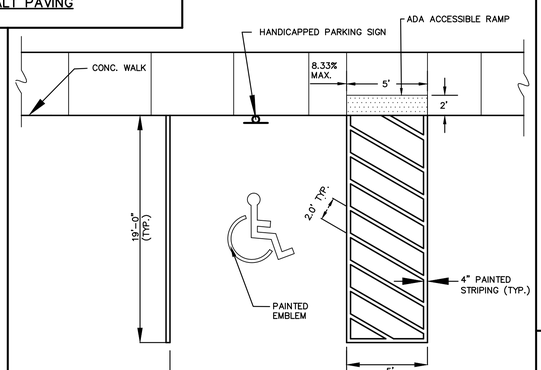
(SEE SHEET C1 FOR SPECIFIC LENGTH, WIDTH, AND DEPTH AND TYPE OF ROCK FOR RIP RAP PAD.)

MSD Type 5 Rock Blanket (% By Weight Passing)		
Sieve	Maximum	Minimum
12 inch	90	70
6 inch	30	10
1/2 inch	5	0

CITY OF O'FALLON ENGINEERING DEPARTMENT O'FALLON, MISSOURI

SEWER CONSTRUCTION DETAILS

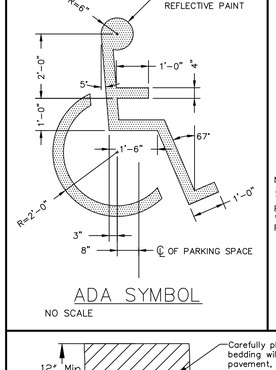
FLARED END SECTION (INLET/OUTLET PROTECTION)



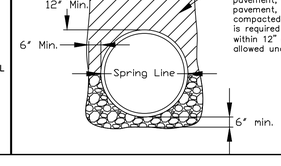
NOTE: SEE SITE PLAN FOR LOCATIONS

ADA DETAIL
NO SCALE

NOTE: ADA STRIPING SHALL BE BLUE

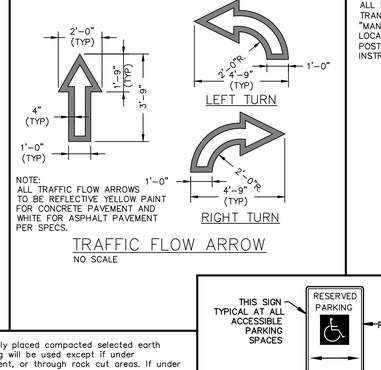


ADA SYMBOL
NO SCALE



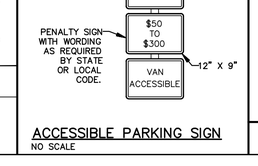
CITY OF O'FALLON ENGINEERING DEPARTMENT O'FALLON, MISSOURI

TRENCH DETAIL



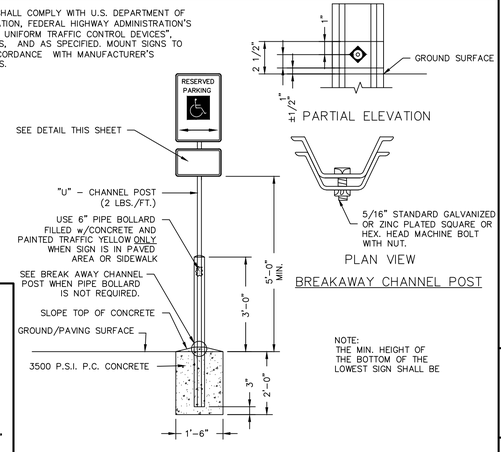
NOTE: ALL TRAFFIC FLOW ARROWS TO BE REFLECTIVE YELLOW PAINT FOR CONCRETE PAVEMENT AND WHITE FOR ASPHALT PAVEMENT PER SPECS.

TRAFFIC FLOW ARROW
NO SCALE



ACCESSIBLE PARKING SIGN
NO SCALE

ALL SIGNS SHALL COMPLY WITH U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", LOCAL CODES, AND AS SPECIFIED. MOUNT SIGNS TO POST IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.



NOTE: THE MIN. HEIGHT OF THE BOTTOM OF THE LOWEST SIGN SHALL BE

SITE SIGN BASE DETAILS
NO SCALE

Developer / Owner Information:
C Bennett Premium Building Supplies
1285 W. Terra Lane
O'Fallon, MO 63366

City of O'Fallon Standard Sheet

P+Z No.

Approval Date: 9/1/16

City No.

Page No.

C10