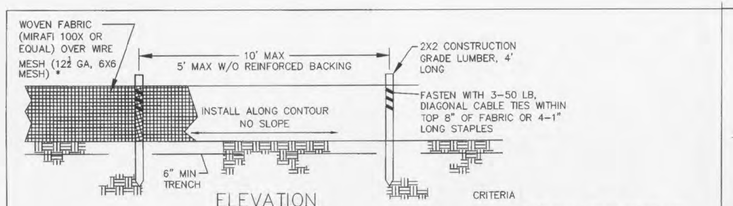
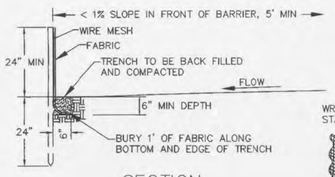


ELEVATION

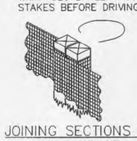
CRITERIA

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.



SECTION

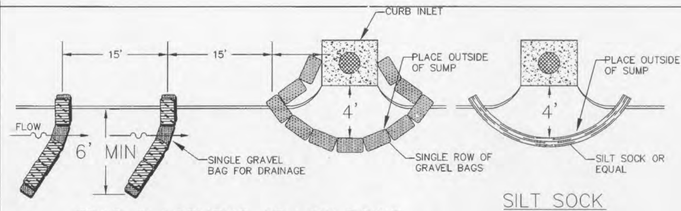
NOTE: IF FABRIC IS INSTALLED BY EQUIPMENT DESIGNED TO SLICE INTO THE GROUND, THE TRENCH IS NOT REQ'D.



JOINING SECTIONS OF SILT FENCE

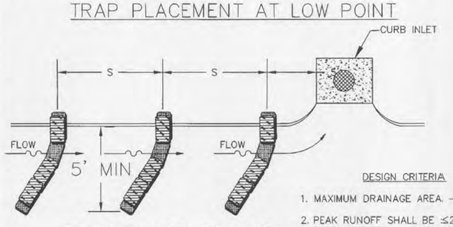
CITY OF O'FALLON ENGINEERING DEPARTMENT O'FALLON, MISSOURI

SILT FENCE INSTALLATION SHEET FLOW (ONLY)



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

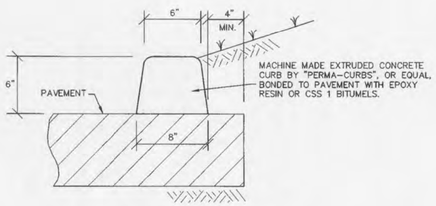
1. MAXIMUM DRAINAGE AREA = 1 ACRE.
2. PEAK RUNOFF SHALL BE ≤2 CFS BASED ON THE 6-MONTH STORM.
3. STACK GRAVEL BAGS DOUBLE HIGH. PROVIDE GAP FOR DRAINAGE.

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

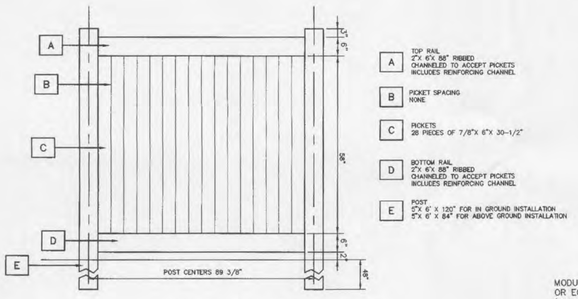
CURB INLET PROTECTION

TYPICAL WATER AND SEWER SEPARATION
NOT TO SCALE

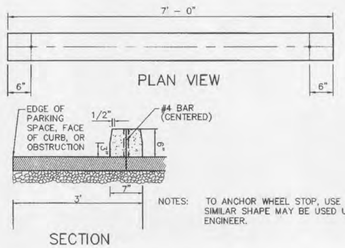
R5-1



ALTERNATE CONCRETE VERTICAL CURB
NOT TO SCALE

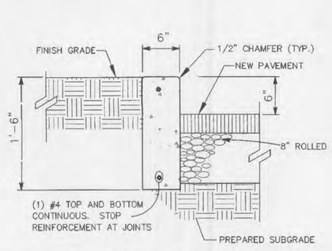


6' HIGH VINYL PRIVACY FENCE
NOT TO SCALE

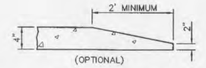


SECTION

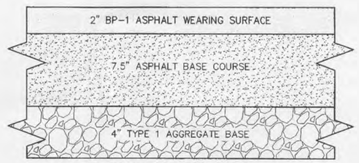
PRECAST CONCRETE WHEELSTOP



CONCRETE CURB DETAIL
NOT TO SCALE

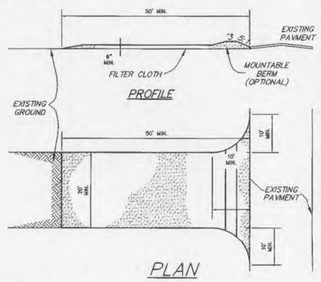


CURB TERMINUS DETAIL



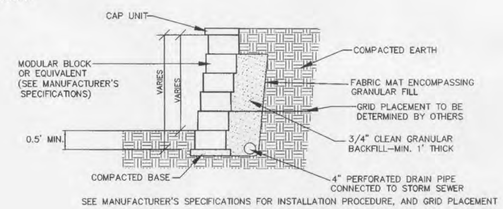
COOL SPRINGS ROAD
ASPHALT ROAD DETAIL
NOT TO SCALE
The asphalt surface shall be compacted to 98% maximum density.

STABILIZED CONSTRUCTION ENTRANCE



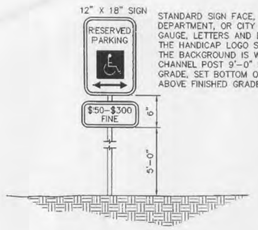
CONSTRUCTION SPECIFICATIONS

1. Stone Size – Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length – As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness – Not less than six (6) inches.
4. Width – Twenty (20) foot minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter Cloth – Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water – All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
7. Maintenance – The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
8. Washing – Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device. If water is not available, a water truck will be provided.
9. Periodic inspection and needed maintenance shall be provided after each rain.



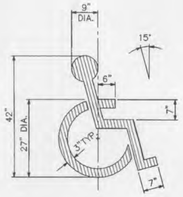
SEE MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION PROCEDURE, AND GRID PLACEMENT

MODULAR BLOCK CONCRETE RETAINING WALL
(RETAINING WALL DESIGN BY OTHERS) NOT TO SCALE



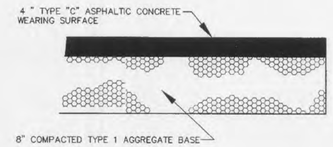
STANDARD SIGN FACE, STANDARD HIGHWAY DEPARTMENT, OR CITY STREET DEPARTMENT GAUGE, LETTERS AND BORDERS ARE GREEN. THE HANDICAP LOGO SQUARE IS BLUE AND THE BACKGROUND IS WHITE, GALVANIZED U CHANNEL POST 9'-0" LONG, SET 3'-0" INTO GRADE, SET BOTTOM OF "FINE" SIGN 5'-0" ABOVE FINISHED GRADE.

HANDICAP PARKING SIGN (CITY OF O'FALLON)
NOT TO SCALE

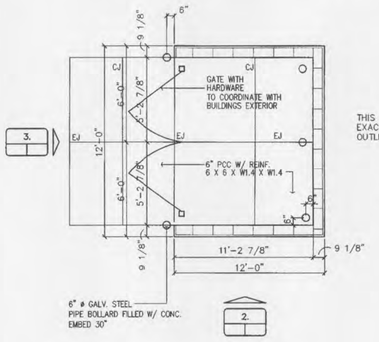


PAINTED HANDICAPPED PARKING SYMBOL
NOT TO SCALE

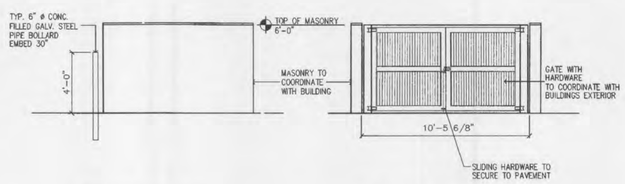
* HANDICAP SYMBOL SHALL BE PAINTED BLUE.



ASPHALT PAVEMENT DETAIL
(ONSITE PAVEMENT) NOT TO SCALE
The asphalt surface shall be compacted to 98% maximum density.



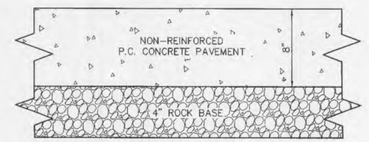
THIS DETAIL HAS BEEN PROVIDED FOR CONCEPTUAL APPROVAL ONLY. EXACT DETAIL OF MATERIAL AND CONSTRUCTION METHODS SHALL BE OUTLINED IN THE ARCHITECTURAL BUILDING PLANS.



1. TRASH ENCLOSURE PLAN
NOT TO SCALE

2. ELEVATION
NOT TO SCALE

3. ELEVATION
NOT TO SCALE



TRASH ENCLOSURE PAVEMENT DETAIL
NOT TO SCALE
All non-reinforced concrete shall be 4,000 p.s.i. at 28 days.

PROJECT TITLE:
SCHAEFER AUTO BODY CENTER

Box Project #11-15280 | Issue Date: 11/15/2012

ENGINEERING PLANNING SURVEYING
2221 Point West Blvd.
St. Charles, MO 63301
636-928-5582
FAX 928-1718

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STATE OF MISSOURI
LARRY DAVID WALKER
NUMBER
PE-2007020343
PROFESSIONAL ENGINEER
1/14/13
Larry David Walker
Civil Engineer
2007020343
2013

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REVISIONS

05/22/13	LARGER BUILDING
06/17/13	CITY COMMENTS

Developer / Owner:
STEVE SCHAEFER
1 TEAM DRIVE
O'FALLON, MO 63366

REFERENCE DETAILS

P+Z No.
#98-125.05.01
APPROVED MAY 02, 2013
City No.
#

Page No.
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