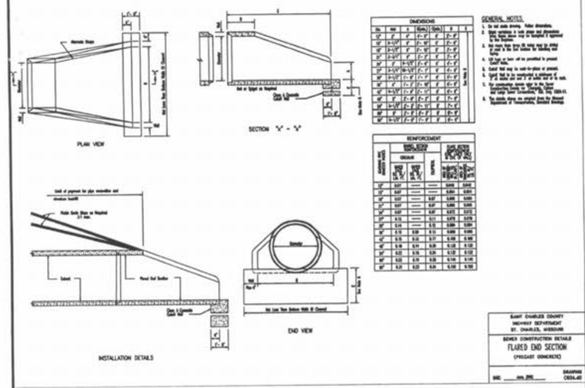
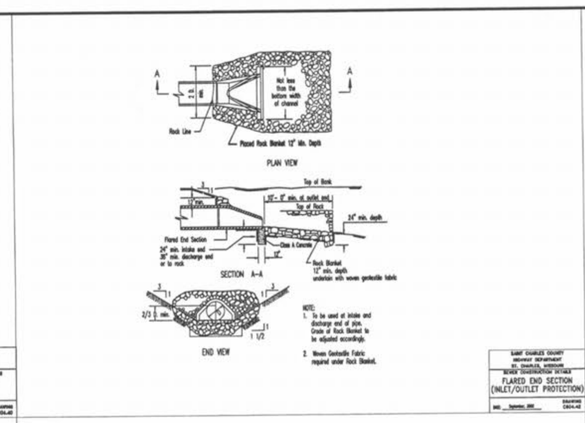
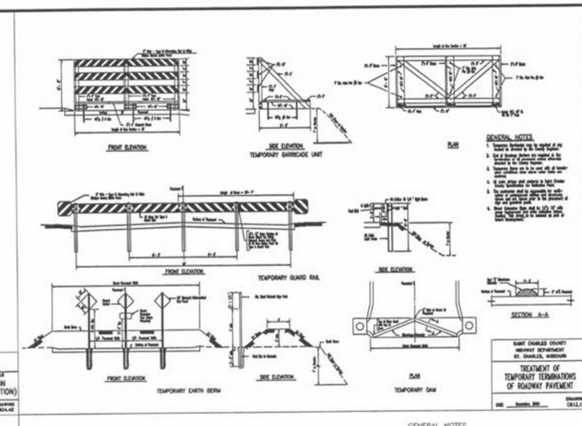
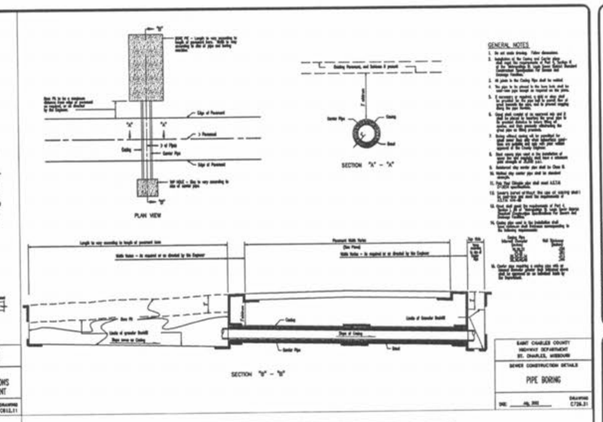
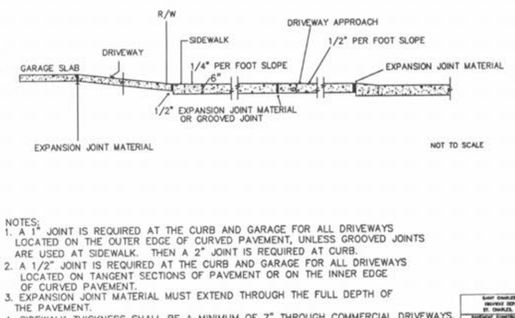




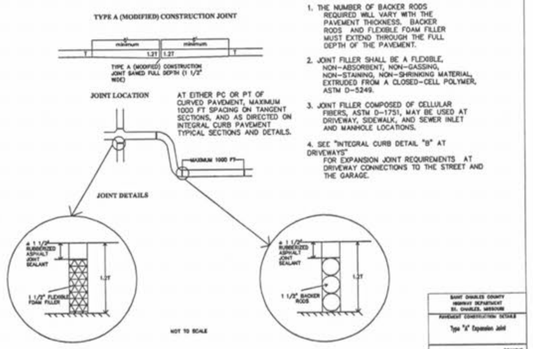






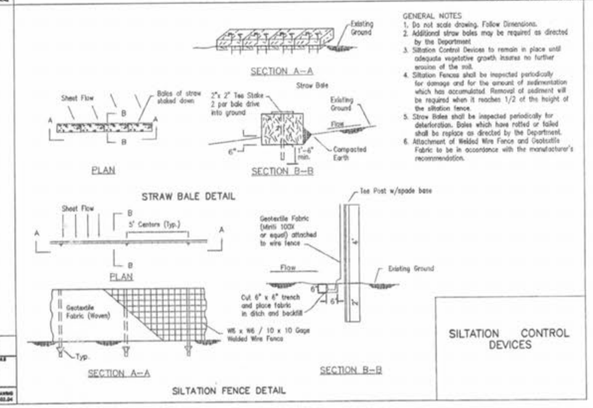
NOTES:
1. A 1" JOINT IS REQUIRED AT THE CURB AND GARAGE FOR ALL DRIVEWAYS LOCATED ON THE OUTER EDGE OF CURVED PAVEMENT, UNLESS GROOVED JOINTS ARE USED AT SIDEWALK. THEN A 2" JOINT IS REQUIRED AT CURB.
2. A 1/2" JOINT IS REQUIRED AT THE CURB AND GARAGE FOR ALL DRIVEWAYS LOCATED ON TANGENT SECTIONS OF PAVEMENT OR ON THE INNER EDGE OF CURVED PAVEMENT.
3. EXPANSION JOINT MATERIAL MUST EXTEND THROUGH THE FULL DEPTH OF THE PAVEMENT.
4. SIDEWALK THICKNESS SHALL BE A MINIMUM OF 7" THROUGH COMMERCIAL DRIVEWAYS.

SAINT CHARLES COUNTY HIGHWAY DEPARTMENT ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
Integral Curb Detail "F" at Driveways



NOTES:
1. THE NUMBER OF BACKER RODS REQUIRED WILL VARY WITH THE PAVEMENT THICKNESS. BACKER RODS AND FLEXIBLE FOAM FILLER MUST EXTEND THROUGH THE FULL DEPTH OF THE PAVEMENT.
2. JOINT FILLER SHALL BE A FLEXIBLE, NON-ABSORBENT, NON-GASSING, NON-STAINING, NON-SHRINKING MATERIAL, EXTRUDED FROM A CLOSED-CELL POLYMER, ASTM D-5249.
3. JOINT FILLER COMPOSED OF CELLULAR FIBERS, ASTM D-1751, MAY BE USED AT DRIVEWAY, SIDEWALK, AND SEWER INLET AND MANHOLE LOCATIONS.
4. SEE "INTEGRAL CURB DETAIL "B" AT DRIVEWAYS"
FOR EXPANSION JOINT REQUIREMENTS AT DRIVEWAY CONNECTIONS TO THE STREET AND THE GARAGE.

SAINT CHARLES COUNTY HIGHWAY DEPARTMENT ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
Type "A" Expansion Joint



GENERAL NOTES
1. Do not scale drawing. Follow Dimensions.
2. Additional straw bales may be required as directed by the Department.
3. Siltation Control Devices to remain in place until adequate vegetative growth insures no further erosion of the soil.
4. Siltation Fences shall be inspected periodically for damage and for the amount of sedimentation which has accumulated. Removal of sediment will be required when it reaches 1/2 of the height of the siltation fence.
5. Straw Bales shall be inspected periodically for deterioration. Bales which have rotted or failed shall be replace as directed by the Department.
6. Attachment of Welded Wire Fence and Geotextile Fabric to be in accordance with the manufacturer's recommendation.

SILTATION CONTROL DEVICES

VEGETATION ESTABLISHMENT For Urban Development Sites APPENDIX A

SEEDING RATES:

PERMANENT:
Tall Fescue – 30 lbs./ac.
Smooth Brome – 20 lbs./ac.
Combined – Fescue @ 15 lbs./ac. AND Brome @ 10 lbs./ac.

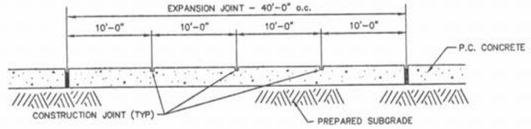
TEMPORARY:
Wheat or Rye – 150 lbs./ac. (3.5 lbs. per sq. ft.)
Oats – 120 lbs./ac. (2.75 lbs. per sq. ft.)

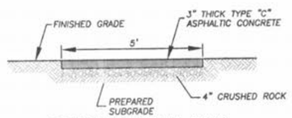
SEEDING PERIODS:
Fescue or Brome – March 1 to June 1
August 1 to October 1
Wheat or Rye – March 15 to November 1
Oats – March 15 to September 15

MULCH RATES:
100 lbs. per 1000 sq. ft. (4,356 lbs. per ac.)

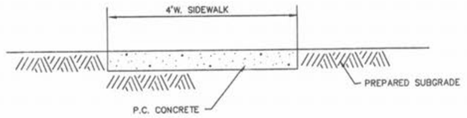
FERTILIZER RATES:
Nitrogen 30 lbs./ac.
Phosphate 30 lbs./ac.
Potassium 30 lbs./ac.
Lime 600 lbs./ac. ENM*

* ENM = effective neutralizing material as per State evaluation of quarried rock.

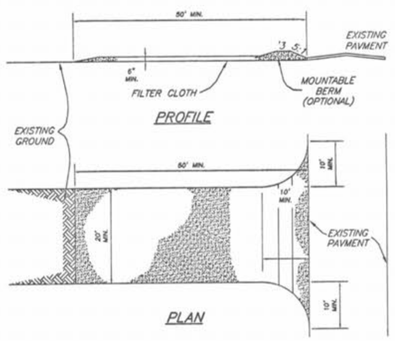




ASPHALT WALKING TRAIL (ALONG HIGHWAY N)
(NOT TO SCALE)



CONCRETE SIDEWALK DETAIL
NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

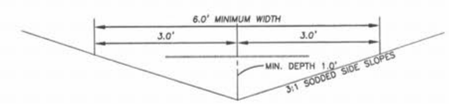
1. Stone Size – Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length – As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness – Not less than six (6) inches.
4. Width – Twenty (20) foot minimum, but not less 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.
9. Periodic inspection and needed maintenance shall be provided after each rain.

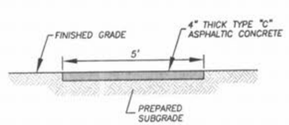
STABILIZED CONSTRUCTION ENTRANCE/WASHDOWN AREA
NOT TO SCALE

TYPICAL YARD SWALE

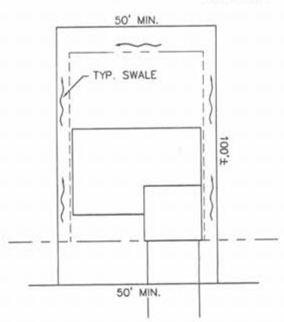
Maximum Discharge (Q) = 4.00 cfs
Maximum Velocity (V) = 4.00 ft/sec
N = 0.030 (grass)
Maximum side slopes = 3 (horizontal) :1 (vertical)

Longitudinal Slope (%)	Discharge (cfs)	Velocity (ft/sec)	Depth (ft)
0.5	4.00	1.89	0.84
1.0	4.00	2.46	0.74
2.0	4.00	3.12	0.65
3.0	4.00	3.71	0.60
4.0	3.51	4.00	0.54
5.0	2.51	4.00	0.46
6.0	1.91	4.00	0.40
7.0	1.52	4.00	0.36
8.0	1.24	4.00	0.32
9.0	1.04	4.00	0.29
10.0	0.89	4.00	0.24



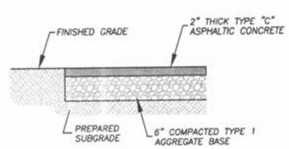


ASPHALT WALKING TRAIL (WITHIN COMMON GROUND AREA)
(NOT TO SCALE)



TYPICAL LOT LAYOUT WITH SWALES
5' MIN. SIDEYARDS NTS

NOTE: DURING THE FINAL GRADING OPERATIONS, LOTS SHALL BE GRADED TO DRAIN ACCORDING TO THE TYPICAL LOT LAYOUT DETAIL



MULTIPURPOSE COURT DETAIL
(NOT TO SCALE)

BASE MAP

ISSUE	REMARKS/DATE
1	05-14-03 1st Submittal
2	06-24-03 City of O'Fallon Comments

PREPARED FOR:
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Chesterfield, Missouri 63005
(636) 537-2000

PREPARED BY:
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ENGINEERS & SURVEYORS
5055 NEW BALMGARTNER ROAD
ST. LOUIS, MISSOURI 63129
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DRAWN: DESIGNED: CHECKED:

PROJECT: BRIARCHASE PHASE TWO

SHEET TITLE: CONSTRUCTION DETAILS

NO. 02 03 043
M.S.D. P#
SHEET CD2 OF
DIGITAL FILE LOCATION: SERVER=STERLING-2