Construction Notes

Rip rap shown at flared ends will be evaluated in the field after installation for effectiveness and field modified if necessary to reduce erosion on and off site.

2. Developer must supply City construction inspectors with soil reports prior to or during site soil testing. The soil report will be required to contain the following information on soil test curves (Proctor (reports) for projects within the City:

 Maximum dry density Optimum moisture content

• Mazimum and minimum allowable mositure content

• Curve must be plotted to show density from a minimum of 90% Compaction and above as determined by the "Standard Proctor Test ASSHTO T-99, Method C" (ASTM D-698). Proctor type must be designated on document

• Curve must have at least 5 density points with mositure content and sample locations listed on

Specific Gravity

Natural moisture content

Liquid Limit

 Plastic Limit 3. The Contractor shall assume complete responsibility for controlling all siltation and erosion of the project area. The Contractor shall use whatever means necessary to control erosion and siltation including, but not limited to, staked straw bales and/or siltation fabric fences (possible methods of control are detailed in the plan). Control shall commence with grading and be maintained throughout the project until acceptance of the work by the Owner and/or the City of O'Fallon and /or MoDOT. The Contractor's responsibilities include all design and implementation as required to prevent erosion and the depositing of silt. The Owner and/or the City of O'Fallon and/or MoDOT may at their option direct the Contractor in his methods as deemed fit to protect property and improvements. Any depositing of silt or mud on new or existing pavement shall be removed immediately. Any depositing of silts or mud in new or existing storm sewers or swales shall be removed after each rain and affected areas cleaned to the satisfaction of the Owner and/or the City of O'Fallon and /or MoDOT.

4. All fill placed under proposed storm and sanitary sewer, proposed roads, and/or paved areas shall be compacted to 90% of maximum density as determined by the Modified AASHTO T-180 Compaction Test or 95% of maximum density as determined by the Standard Proctor Test AASHTO T-99. All fill placed in proposed roads shall be compacted from the bottom of the fill up. All tests shall be verified by a soils engineer concurrent with grading and backfilling operations. The moisture content of the soil in fill areas is to correspond to the compactive effort as defined by the Standard or Modified Proctor Test. Optimum moisture content shall be determined using the same test that was used for compaction. Soil compaction curves shall be submitted to the City of O'Fallon prior to the placement of fill. Proof rolling may be required to verify soil stability at the discretion of the City of O'Fallon.

No slopes shall be steeper than 3 (horizontal) to 1 (vertical).

All paving to be in accordance with St. Charles County standards and specifications except as

modified by the City of O'Fallon ordinances.

Sidewalks, curb ramps, ramp and accessible parking spaces shall be constructed in accordance with the current approved "American with Disabilities Act Accessibility Guidelines" (ADAAG) along with the required grades, construction materials, specifications and signage. If any conflict occurs between the above information and the plans, the ADAAG guidelines shall take precedence and the Contractor prior to any construction shall notify the Project Engineer. (Ensure at least one 8' wide handicap access aisle is provided and curb ramps do not project into handicap access aisle.)

Brick shall not be used in the construction of storm sewer structures. Provide a marking on the storm sewer inlets. The City will allow the following markers and adhesive procedures as shown in the tabel below or an approved equal by Almetek Industries. 'Peel and stick'

Manufacturer	Size	Adhesive	Style	Message (Part #)	Website
ACP International	3 7/8"	Ероху	Crystal Cap	No Dumping Drains To Waterways (SD- W-CC)	www.acpinternational.com
DAS Manufacturing,	4"	Ероху	Standard Style	No Dumping Drains To Stream (#SDS)	www.dasmanufacturing.com

10. Joints shall be gasketed O-ring type.

Provide 5/8" dia. trash bar for all inlets. Brick shall not be used in the construction of sanitary sewer structures.

Lighting values will be reviewed on site prior to the final occupancy inspection. Corrections will need

to be made if not in compliance with City standards. 14. All sign locations and sizes must be approved separately through the Planning Division. All sign post and backs and bracket arms shall be painted black using Carboline Rustbond Penetrating

Sealer SG and Carboline 133 HB paint (or equivalent as approved by City and MoDOT). Signs designating street name shall be on the opposite side of the street from traffic control signs.

Graded areas that are to remain bare for over 2 weeks are seeded and mulched. (DNR requirement). Ensure all erosion control systems are inspected and necessary corrections made within 24 hours of

any rainstorm resulting in one-hour inch of rain or more. HDPE pipe is to be N-12WT or equal and to meet ASTM F1417 water tight field test.

19. Trees, organic debris, rubble, foundations and other deleterious materiel shall be removed from the site and disposed in compliance with all applicable laws and regulations. Landfill tickets for such disposal shall be maintained on file by the developer. Burning on site shall be allowed only by permit from the local fire district. If a burn pit is proposed the location and mitigation shall be shown on the grading plan and documented by the soils engineer.

20. All trenches under, or adjacent to proposed pavement shall be backfilled to subgrade elevation with compacted 3/4" minus crushed limestone. Crushed limestone shall be compacted to 90% density as determined by the Modified Proctor Test. All other trenches within the road right of way shall be backfilled with suitable earth embankment material free from rubbish and debris and lumps, clods or rocks larger than 2, inches placed in 6" layers and compacted to the same density as above. Trenches not in road right-of-way or under or adjacent to pavement may be backfilled with earth embankment material defined above, jetted and neatly mounded to allow for subsequent settlement, unless otherwise directed by the Engineer.

21. All concrete pipe shall be reinforced concrete pipe and meet current A.S.T.M. Specification C-76 and shall be Class III unless otherwise noted on profiles.

The City of O'Fallon shall also be contacted for utility locates under its maintenance resonsibility.

This may include water, sanitary, storm, and traffic locates. All utilities will be located underground.

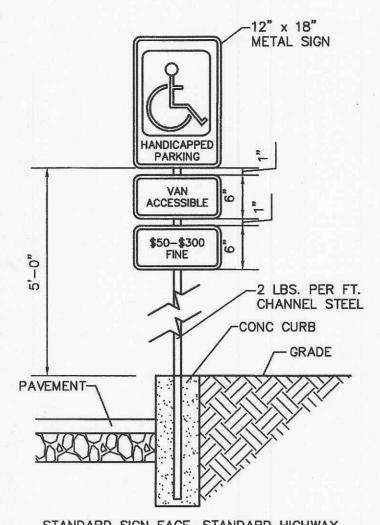
Traffic control is to be per MODOT or MUTCD, whichever is most stringent.

Provide a 0.20 drop through all structures and manholes. 26. Fire Hydrant to be satisfactory to Cottleville Fire Protection District meeting ANSI/AWWA C-502, latest edition.

27. Fire Hydrant shall have not less than two $2\frac{1}{2}$ " outlets and one $4\frac{1}{2}$ " outlet, a $5\frac{1}{4}$ " valve, a 6" barrel and shall be of the breakaway design, frost free with chain, left hand open design and have National

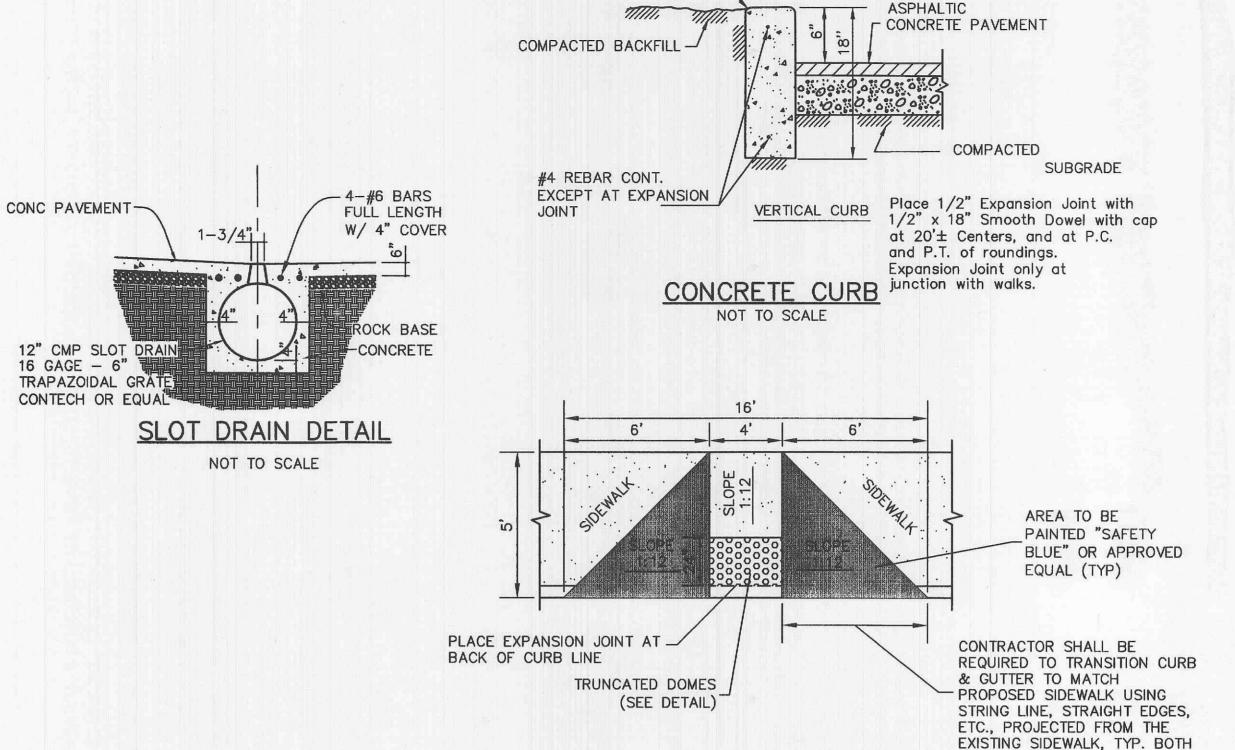
28. Fire Hydrant shall be provided with a control valve in the hydrant connection such that the hydrant can be removed from service without shutting off water supply to other fire hydrants.

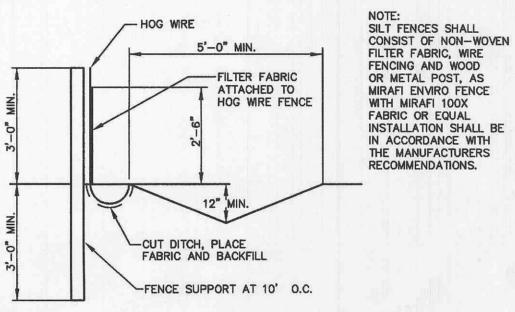
There shall be no obsturction, i.e., plantings, bushes, trees, signs, light standards, mailboxes, etc. within six (6) feet of any fire hydrant.

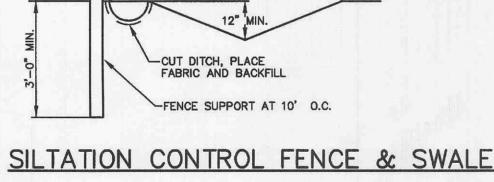


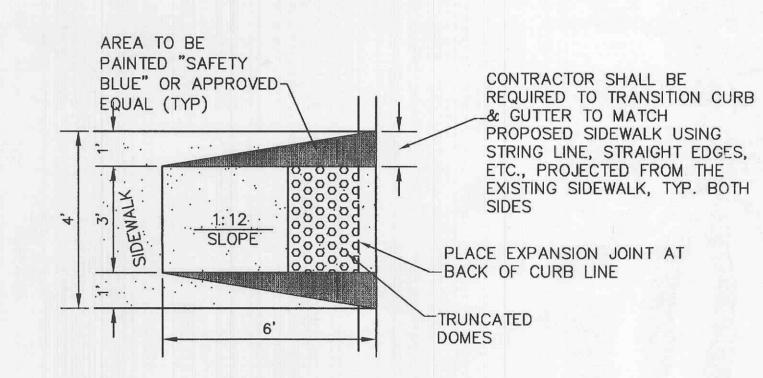
STANDARD SIGN FACE, STANDARD HIGHWAY DEPARTMENT, OR CITY STREET DEPARTMENT GAUGE, LETTERS AND BORDERS. THE GALVANIZED U CHANNEL POST 7'-0" LONG, SET 3'-0" INTO GRADE, SET BOTTOM OF "PARKING" SIGN 4'-0" ABOVE FINISHED GRADE. USE VAN ACCESSIBLE SIGN ONLY WHEN APPLICABLE.

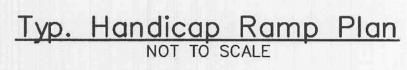
> HANDICAPPED SIGN NOT TO SCALE



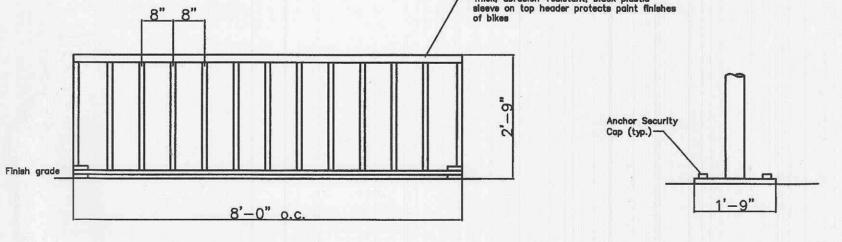


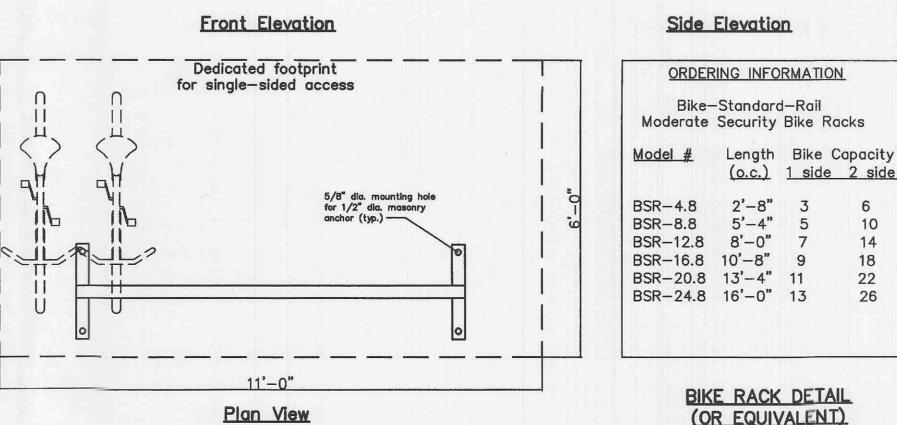


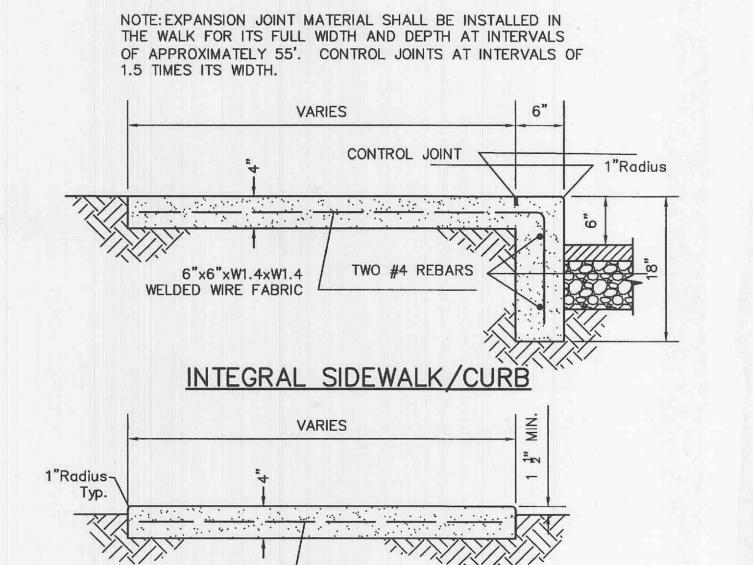




Typ. Handicap Ramp Plan



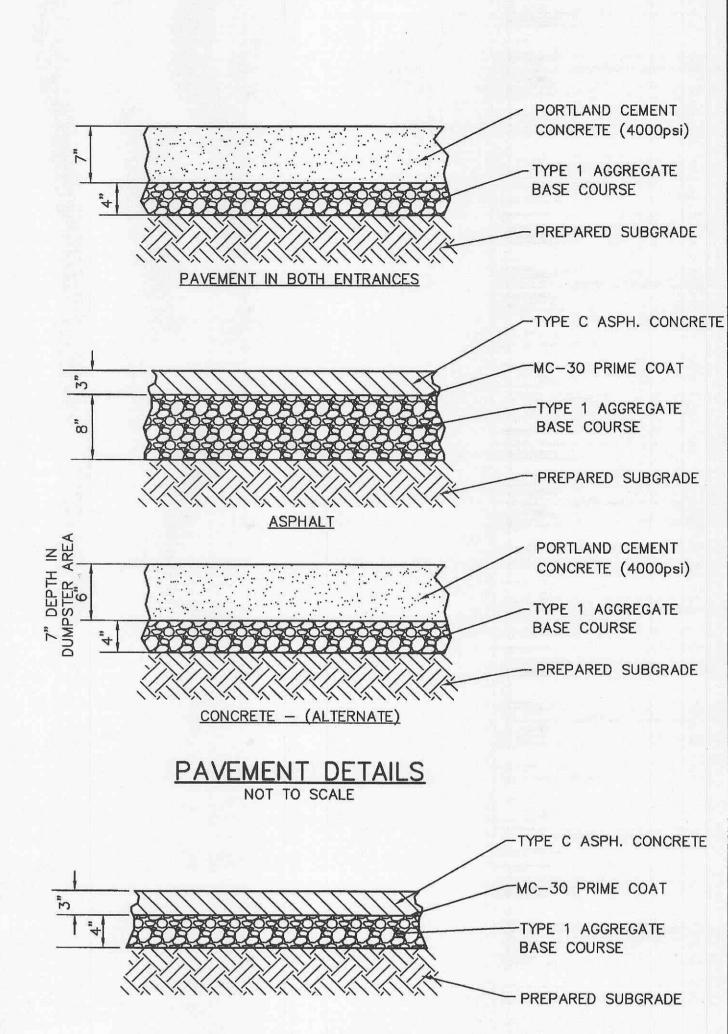


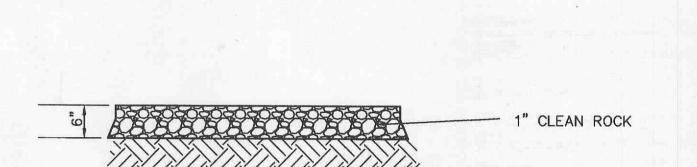


CONCRETE SIDEWALK

NOT TO SCALE

6"x6"xW1.4xW1.4



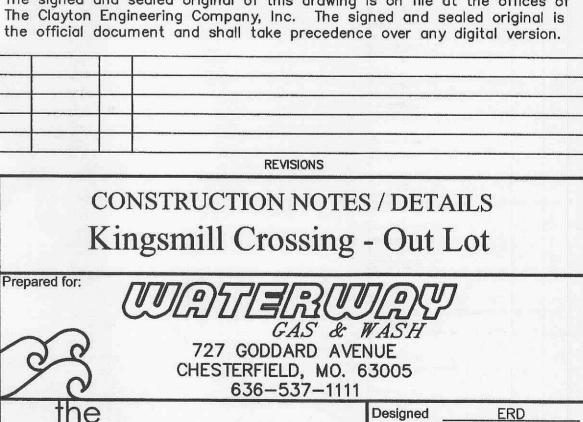


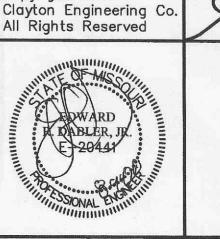
TRUCK WASHDOWN AREA NOT TO SCALE

ASPHALT MULTI-USE TRAIL

NOT TO SCALE

The signed and sealed original of this drawing is on file at the offices of the official document and shall take precedence over any digital version.





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Checked ERD 4/17/06 Date Project Number 05048 Sheet Number

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AJM

- PREPARED SUBGRADE