

VEGETATIVE 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. (35 lbs. per 1000 square foot)
Oats - 120 lbs./ac. (275 lbs. per 1000 square foot)

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 acre)

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.

SYNTHETIC FILTER BARRIERS

- Set posts and excavate a 4"x4" trench upslope along the line of the posts.
- Staple the wire mesh fencing to each post.
- Attach the filter fabric to the wire fencing and extend it into the trench.
- Backfill the trench and compact the excavated soil.

MAINTENANCE

- Filter barriers shall be inspected immediately after each routine and at least daily during prolonged rainfall. Any required repairs shall be made immediately.
- Should the fabric decompose, it should be replaced prior to the end of the expected usable life and the barrier will be necessary, the fabric shall be replaced promptly.
- Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately half the height of the barrier.
- Any sediment deposits remaining in place after the next storm or after barrier is no longer required shall be cleared to uniform with the existing grade, prepared and seeded.

Dimension of points "A" should be higher than "B".

TYPICAL FLARED END SECTION

PLAN VIEW

SECTION A-A
D = INSIDE DIAMETER OF PIPE

CONCRETE CUTOFF WALL
24" MIN INTAKE END
36" MIN DISCHARGE END

CONCRETE ENTRANCE

6" VERTICAL ASPHALTIC CONCRETE CURB ALONG MoDOT SHOULDER

CONCRETE ENTRANCE

7" P.C.C.
4" GRANULAR BASE
PREPARED SUBGRADE

TRASH ENCLOSURE DETAIL

6' Min

Enclosure to be constructed with a six-foot high solid wall with a sight proof vinyl gate consistent with the architectural theme of the primary structure in site.

TYPICAL DOWNCAST LIGHT STANDARD

1 1/2" DIA. PIPE EXTENSION
100 MH BULB
3 5/8" DIA. POLE
LUMINAIRE
DIM'S MAY VARY

RESERVED PARKING

12" X 18" SIGN
12" X 6" SIGN
12" X 6" SIGN

STANDARD SIGN FACE, STANDARD HIGHWAY DEPARTMENT, OR CITY STREET DEPARTMENT GAUGE, BLACK OR BLUE LETTERING, GALVANIZED U CHANNEL POST 8'-0" LONG, SET 3'-0" INTO GRADE, SET BOTTOM OF SIGN 5'-0" ABOVE FINISHED GRADE.

TYPICAL RIP-RAP DETAIL

12"-20" PLACED STONE UNDERLAIN WITH WOVEN GEOTECH FABRIC

WASH OFF PAD

6-8" AGGREGATE
GEOTECH FABRIC
EXISTING SUBGRADE

ESTIMATED GRADING & CONSTRUCTION SCHEDULE

- INSTALL SILT FENCING & WASH DOWN PAD -- 6/1/2005 - 6/5/2005
- CLEARING -- 6/6/2005 - 6/12/2005
- GRADING -- 6/13/2005 - 7/15/2005
- UTILITY CONSTRUCTION -- 6/13/2005 - 7/15/2005
- ALL EXPOSED SLOPES IN EXCESS OF 5 (HORIZ) : 1 (VERT) AND ALL EXPOSED FINISHED GRADE AREAS SHALL BE SEEDED AND MULCHED w/ TEMPORARY VEGETATION BY JULY 15, 2005.
- FINAL SEDDING AND MULCHING -- 9/1/2005

STRAIGHT CURB RAMP (TYPE 1)

FOR USE WITH SIDEWALKS ONLY

1/2" PREMOULDED EXPANSION JOINT FILLER WITH JOINT SEALER
SHAVED PORTION OF CONCRETE SIDEWALK SHALL BE 7" THICK
FLARED SIDE
20" MAX RADIUS (SEE NOTE 8)
JOINT FILLER WITH JOINT SEALER

GENERAL NOTES

- Do not scale drawing. Follow dimensions.
- Sidewalk and sidewalk curb ramps shall be constructed in accordance with these details and the current ordinance approved "Americans with Disabilities Act Accessibility Guidelines" (ADAAG).
- Provide a landing at the top of each straight ramp when the Grade Along Curb ("G") is greater than +2% and less than +7%. For other values of "G", including all negative (-) values, no landing is required.
- Minimum sidewalk width along 5" vertical curb shall be 5 feet. Minimum sidewalk width along 3" raised curb shall be 4 feet.
- Maximum sidewalk cross slope 0.02 / ft.
- All sidewalk sections shall be 4" thick, except where indicated otherwise by shaded portions shown on details. All sidewalk sections and curb ramps, regardless of thickness, shall be cast as "Concrete Sidewalk".
- Where curb ramp meets pavement, hollows will not be permitted.
- Construct a diagonal ramp when the maximum corner radius allowed for a straight ramp is exceeded.
- If integral concrete curb is constructed, strike a dummy joint across bottom of ramp at curb line. If concrete curb is decorative, block out pavement to provide full depth curb across ramp from outer point of curb taper to outer point of curb taper.
- For sidewalk locations on Cal-De-Secs, refer to "Pavement Construction Details".
- For pavement longitudinal and transverse joint and dowel and bar requirements and dimensions, refer to the Pavement Construction Details for "Joints and Curb". Standard Drawing CS02.03.
- For roadway cross slopes, pavement types, and thicknesses, refer to "Standard Typical Section".

"G" (Grade along curb) "X" (Min. length of ramp slope - LF)

Negative values (-)	5'
0 to +1	7'
+1.01 to +2	8'
+2.01 to +3	10'
+3.01 to +4	12'
Greater than +4	15'

Note: Positive (+) "G" - Proceeding away from intersection and up a grade.
Negative (-) "G" - Proceeding away from intersection and down a grade.

CURB TAPER DETAIL

5' MAX.
PAVEMENT

HDPE PIPE BEDDING

N-12 WT WATERTIGHT PIPE REQUIRED

EXCAVATED TRENCH WIDTH
FINAL BACKFILL
INITIAL BACKFILL
SPRINGLINE
HAUNCHING
BEDDING
FOUNDATION (MAY NOT BE REQ'D)

DETAIL OF CONCRETE SIDEWALK

CONTRACTION JOINTS 5' O.C.
1/2" EXPANSION JOINT 20' O.C.
4" CONCRETE SIDEWALK
1/2" EXPANSION JOINT WHEN SIDEWALK IS ABUTTING A STRUCTURE
PLAN

SECTION A-A
1/4"
6"x6"xW1.4xW1.4 WELDED WIRE FABRIC
1/2" BITUMINOUS SEALER
CONTRACTION JOINT CUT 1 1/2" DEEP
PREPARED SUBGRADE (TYP)
PRE-MOULDED JOINT FILLER

ENTRANCE GATE

DESIGNED BY OTHERS

2 GATES TO BE INSTALLED

4'-0" 2'-6" 3'-6" 5'-0"

2" SCH. 40
2" SCH. 80 PIPE
6" SCH. 80 PIPE x 8'-0" LONG MIN.
3000 P.S.I. CONCRETE
24" MIN.

BICYCLE RACK DETAIL

STEEL PIPE CONSTRUCTION

24"
36"
9.6"

PERIMETER PIPE BOLLARD

SCHEDULE 40 STEEL PIPE FILLED w/ CONCRETE AND PAINTED BROWN
PROP. PVMT.
CONCRETE

"A" DIA.	"B" DIA.
16"	4"
18"	6"
20"	8"

CENTER OF BOLLARD TO BE 24" BEHIND BACK OF CURB, EXCEPT ALONG RETAINING WALL, THEN BOLLARD SHALL BE PLACED BETWEEN BACK OF CURB AND BACK OF WALL

TYPICAL SECTION-REINFORCED RETAINING WALL

SCALE: NONE

12.5' MAX HEIGHT

CAP UNIT ADHERE TO TOP UNIT w/ VERSA-LOK CONCRETE ADHESIVE

IMPERVIOUS FILL 12" DEEP

VERSA-LOK MODULAR CONCRETE FACING UNITS

DRAINAGE AGGREGATE 12" THICK MIN.

REINFORCED BACKFILL COMPACTED 95% OF MAXIMUM STANDARD PROCTOR DENSITY

PERFORATED PVC 4" DIA. (MIN.) DRAIN PIPE OUTLET @ END OF WALL OR @ 40' CENTERS MAX. SLOPE TO DRAIN (1/8"/FT.) WRAPPED IN FILTER FABRIC (140N MIRAFI OR EQUAL)

GRANULAR LEVELING PAD 6" THICK MIN.

11/28/2005
REUSE PER CITY & HCD COMMENTS

GENERAL DETAILS
IMPROVEMENT PLANS FOR PHASE ONE OF MAGNOLIA COMMERCIAL INSTA-CREDIT AUTO MART
CITY OF O'FALLON

ST. CHARLES ENGINEERING & SURVEYING, INC.
801 S. FIFTH STREET, SUITE 202
ST. CHARLES, MO 63301
TEL: (636) 947-0607 FAX: (636) 947-2448

PLANNING & ZONING FILE #3603.11

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