GENERAL NOTES PERTINENT TO ALL CONSTRUCTION OPERATIONS

- Underground utilities shown on these plans have been plotted from available records and information, and their locations shall be considered approximate only. The verification of the actual location of all underground utilities, either shown or not shown on these plans, shall be the responsibility of the contractor(s), and the verification of the actual location shall be performed prior to beginning work.
- 2. Easements and right-of-ways will be provided for streets, sanitary sewers, storm sewers, water mains and private utilities on the subdivision plat (record plat). See the subdivision plat (record plat) for location and size of easements and rights-of-ways.
- 3. All construction shall be performed in accordance with the specifications, ordinances, rules, regulations, guidelines and/or policies of the local governing jurisdictional authority.

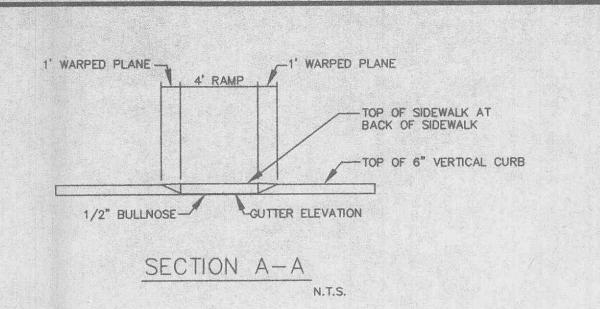
GRADING NOTES

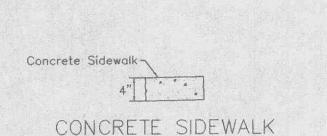
I. GENERAL

- 1. No area shall be cleared without authorization from the project engineer.
- 2. All grading work performed shall be within a 0.2 foot tolerance of the grades shown on the grading plan.
- 3. A Geotechnical Engineer shall be employed by the owner and be on site during grading operations.
- 4. The grading control or shall perform a complete grading and compaction of ation as shown on the plans, stated in these notes, or reasonably implied therefrom, all in accordance with the plans and notes as interpreted by the Geotechnical Engineer.
- 5. Before the grading begins, the owner shall employ a competent, licensed surveyor to establish all lines and grades.
- 6. The contractor shall notify the Geotechnical Engineer at least two days in advance of the start of the grading operation.
- 7. The developer shall supply City construction inspectors with soil reports prior to or during site soil testing.
- 8. No slope shall be steeper than 3 (horizontal) to 1 (vertical).
- 9. No graded area is to remain bare for over 2 weeks to be seeded and mulched.
- 10. All erosion control systems shall be inspected and necessary corrections made within 24 hours of a rainstorm resulting in one-half inch of rain or more.

II. SPECIFICATIONS

- 1. Site preparation includes the clearing of all stumps, trees, bushes, shrubs, and weeds; the grubbing and removal of roots and other surface obstructions from the site; and the demolition and removal of any man-made structures. The unsuitable material shall be burned (after securing permits) and/or properly disposed of on site. Topsoil and grass in the fill areas shall be thoroughly disced prior to the placement of any fill. The Geotechnical Engineer shall approve the discing operation.
- 2. Compaction equipment shall consist of tamping rollers, pneumatic-tired rollers, vibratory rollers, or high speed impact type drum rollers acceptable to the Geotechnical Engineer. The roller shall be designed so as to avoid the creation of a layered fill without proper blending of successive fill layers.
- 3. Observation and Testing: The Geotechnical Engineer shall observe and test the placement of the fill to verify that specifications are met. A series of fill density tests will be determined on each lift of fill. Interim reports showing fill quality will be made to the owner at regular intervals.
- 4. The Geotechnical Engineer shall notify the contractor of rejection of a lift of fill or portion thereof. The contractor shall rework the rejected portion of fill and obtain notification from the Geotechnical Engineer of its acceptance prior to the placement of additional fill.
- 5. Placing and Compaction of Fill: All areas to receive fill shall be scarified to a depth of not less than 6 inches and then compacted to at least 85 percent of the maximum dry density as determined from the modified Proctor compaction test (ASTM-D-1557). Natural slopes steeper than 1 vertical to 5 horizontal to receive fill will have horizontal benches, with minimum widths of 12 feet and maximum height of 5 feet, cut into the slopes before the placement of any fill. The fill shall be loosely placed in horizontal layers not exceeding 8 inches in thickness and compacted in accordance with the specifications given below. The Geotechnical Engineer shall be responsible for determining the acceptability of the soils placed. Any unacceptable soils placed shall be removed at the contractor's expense.
- 6. The sequence of operation in the fill areas will be fill, compact, verify acceptable soil density, and repetition of the sequence. The acceptable moisture contents during the filling operation in the remaining areas are from 2 to 8 percent above the optimum moisture control.
- 7. The surface of the fill shall be finished so that it will not impound water. If at the end of a day's work, it would appear that there may be rain prior to the next working day, the surface shall be finished smooth. If the surface has been finished smooth for any reason, it shall be scarified before proceeding with the placement of succeeding lifts. Fill should not be placed on frozen ground, nor shall filling operations continue when the temperature is such as to permit the layer under placement to freeze.
- 8. All fills shall be compacted to 90% of maximum density as determined by the "Modified AASHTO T-1800 Compaction Test" (ASTM D-1557).
- 9. Fills in rear yard areas only shall be compacted, but the compaction criteria may be reduced to 85% of maximum density as determined by the "Modified AASHTO T-1800 Compaction Test" (ASTM D-1557).





Light Standard by Fixture manufacturer.

Electrical System per requirements of Light

Lamb

25' HIGH x 5'

SQUARE POLE

Type III

DOWN CAST SHADOW BOX LUMINAIRE

Standard Manufacturer. Provide system per

LIGHT POLE WITH LUMINAIRE(6) FURNISHED & INSTALLED BY E.C.

FOR

SQUARE

TEMPLATE, BOLTS & COVER

SONOTUBE (OR EQUAL) FORM

FINISH GRADE

- PROVIDE 4-% REBARS VERT.

CONCRETE BASE FURNISHED 4

WITH *4 TIES 12" O.C.

INSTALLED BY E.C.

VERIFY FTG SIZE WITH

LOCAL CONDITIONS

- PVC CONDUIT FOR WIRING BY E.C.

- 5/8" dia. GROUND ROD (8" min.)

Base shall be installed in fully

to prevent water accumulation

compacted or virgin soil. Base shall

be poured immediately after drilling

SLOPE, CHAMPER & TROWEL

SHIM POLE PLUMB

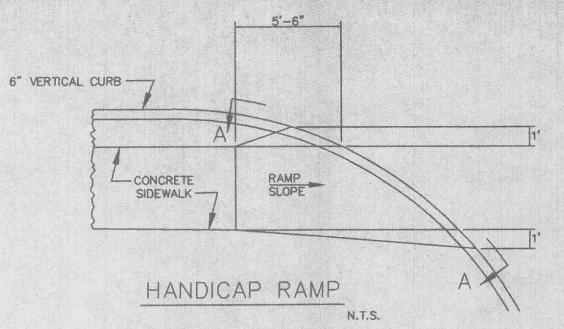
FINISH TOP. (BY E.C.)

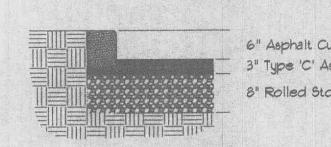
WILLY IN THE WAY

ANCHOR BOLTS

FURNISHED BY POLE SUPPLIER

POLE.





RESERVED

PARKING

VAN ACCESSIBLE

\$50 TO \$300 FINE

VXXXXXXXXXXXXXX

-ALL LETTERING & BORDERS ARE GREEN -HANDICAP LOGO SQUARE IS BLUE

-NO STEPS AT BUILDING ENTRANCES.

WHEELCHAIR MANEUVERABILITY.

-PROVIDE ONE SIGN PER HANDICAPPED SPACE.

-PROVIDE 60"X 60" AREA OUTSIDE ENTRANCE FOR

-PROVIDE RAMPS OR DROP CURBS AT HANDICAPPED SPACES.

HANDICAPPED PARKING SIGN

Vinul Clad

Fence, 6'

Locate as

plan. Set

support

posts in

Concrete

30' below

grade.

Finish Grade

Buffer Fence Detail

Footings min.

indicated on

Color.

Sight Proof

Height, White

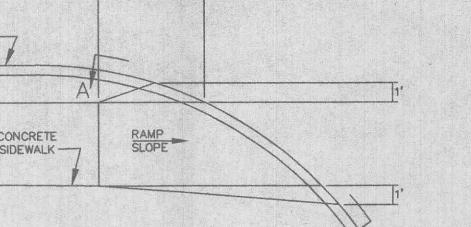
-BACKGROUND IS WHITE

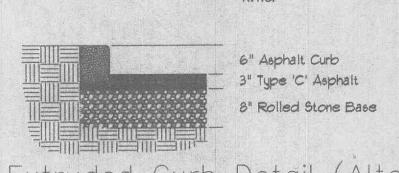
8"~2 Ib. STEEL CHANNEL

SIGN POST

P BLUE

Temporary Extruded Curb Detail (Alternate)





2" Type 'C' Asphalt T" Type 'X' Asphalt 4" Aggregate Base

ENTRANCE PAVEMENT DETAIL

WITHIN CITY ROW ONLY

VEGETATIVE ESTABLISHMENT FOR URBAN DEVELOPMENT SITES

APPENDIX A

Permanent:

SEEDING RATES:

Tall Fescue - 30 lbs./ac. Smooth Brome - 20 lbs./ac. Combined: Fescue@15 lbs./ac. and Brome@10 lbs./ac.

Wheat or Rye - 150 lbs./ac.(3.5 lbs. per 1000 sq. ft.) 120 lbs./ac.(2.75 lbs. per 1000 sq. ft.)

SEEDING PERIODS

Fescue or Brome March 1 to June 1 August 1 to October 1 March 15 to November 1

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

March 15 to September 15

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.

DIVERSIONS FOR URBAN DEVELOPMENT SITES

MARCH 2003

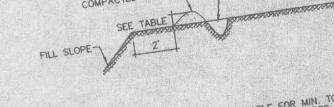
REV. 18 JULY 2003

APPENDIX B

** Outlets for diversions must be stable. Stable outlets consist of grass waterways, earthen channels with capacity adequate to prevent gully erosion, grade stabilization structures or other practices as approved by the Designated Official.

Combination Diversion

Used at the top of a fill slope.



DETAILS

MIDWEST AGENCY

03-719

Earth Ridge Diversion Used around the perimeter of a construction site.



SYNTHETIC FILTER BARRIERS

APPENDIX D

FOR URBAN DEVELOPMENT SITES

Gravel Ridge Diversion General use.

MAINTENANCE

TRENCH -

4"X4"

PLAN

1. Filter barriers shall be inspected immed-

during prolonged rainfall. Any required

2. Should the fabric decompose or become

the fabric shall be replaced promptly.

repairs shall be made immediately.

iately after each rainfall and at least daily

ineffective prior to the end of the expected

usable life and the barrier still be necessary,

SET POSTS AND

EXCAVATE A 4"X4"

TRENCH UPSLOPE

ALONG THE LINE

OF THE POSTS

General use.

3. Sediment deposits should be removed after

each storm event. They must be removed

height of the barrier.

when deposits reach approximately half the

4. Any sediment deposits remaining in place

with the existing grade, prepared and seeded.

after the silt fence or filter barrier is no

longer required shall be dressed to conform

STAPLE THE WIRE

BACKFILL THE TRENCH

EXCAVATED SOIL

AND COMPACT THE

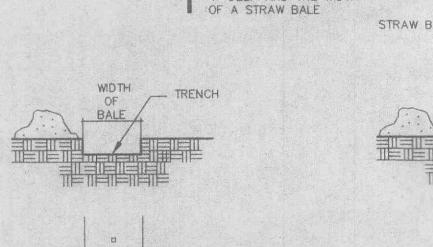
MESH FENCING TO

EACH POST

STRAW BALE BARRIERS FOR URBAN DEVELOPMENT SITES

APPENDIX C

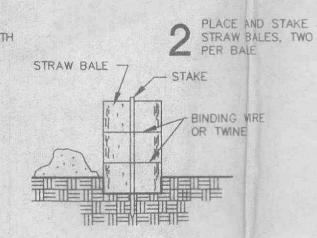
EXGAVATE A TRENCH 4" DEEP AND THE WIDTH OF A STRAW BALE STRAW BALE -

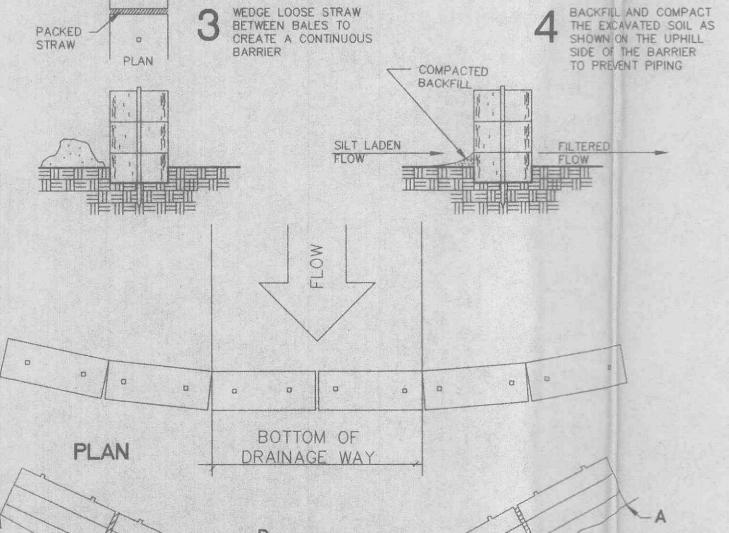


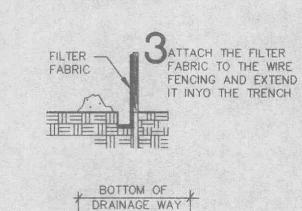
ELEVATION

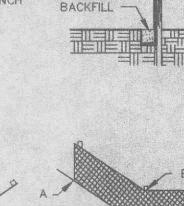
POINTS 'A' SHOULD BE

HIGHER THAN POINT 'B









COMPACTED

FENCING

ELEVATION POINTS 'A' SHOULD BE HIGHER THAN POINT 'B'

O'Fallon File No. 202.01

