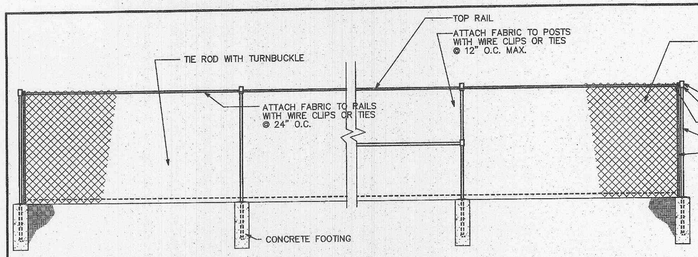
SITE PLAN
PARKING LOT ADDITION

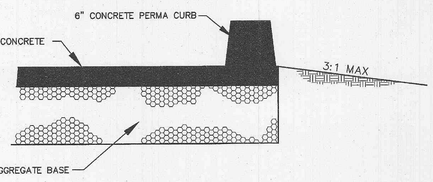
00-11060F — 08-14-09

08/28/09 – REVISIONS PER CITY CMMENTS
09/02/09 – REVISIONS PER CITY CMMENTS



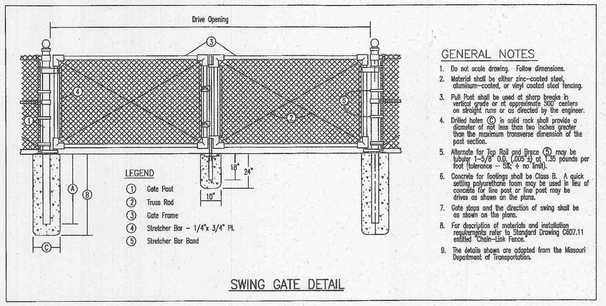
6'H. CHAINLINK FENCE ELEVATION

NOT TO SCALE



ASPHALT PAVEMENT DETAIL

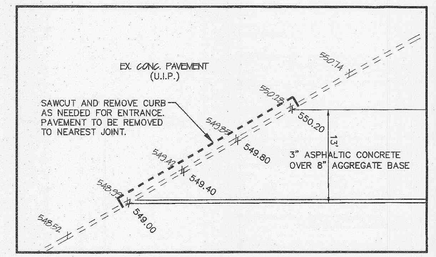
NOT TO SCALE



SWING GATE DETAIL

GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. Material shall be either zinc-coated steel, aluminum-coated, or vinyl coated steel fencing.
3. Pull Post shall be used at sharp breaks in vertical grade or at approximate 500' centers on straight runs or as directed by the engineer.
4. Drilled holes (D) in solid rock shall provide a diameter of not less than two inches greater than the maximum transverse dimension of the post section.
5. Alternate for Top Rail and Brace (5) may be tubular 1-5/8" O.D. (.065" t) at 1.35 pounds per foot (tolerance – 5% + no limit).
6. Concrete for footings shall be Class B. A quick setting polyurethane foam may be used in lieu of concrete for line post or line post may be driven as shown on the plans.
7. Gate stops and the direction of swing shall be as shown on the plans.
8. For description of materials and installation requirements refer to Standard Drawing C807.11 entitled "Chain-Link Fence."
9. The details shown are adapted from the Missouri Department of Transportation.



ENTRANCE DETAIL

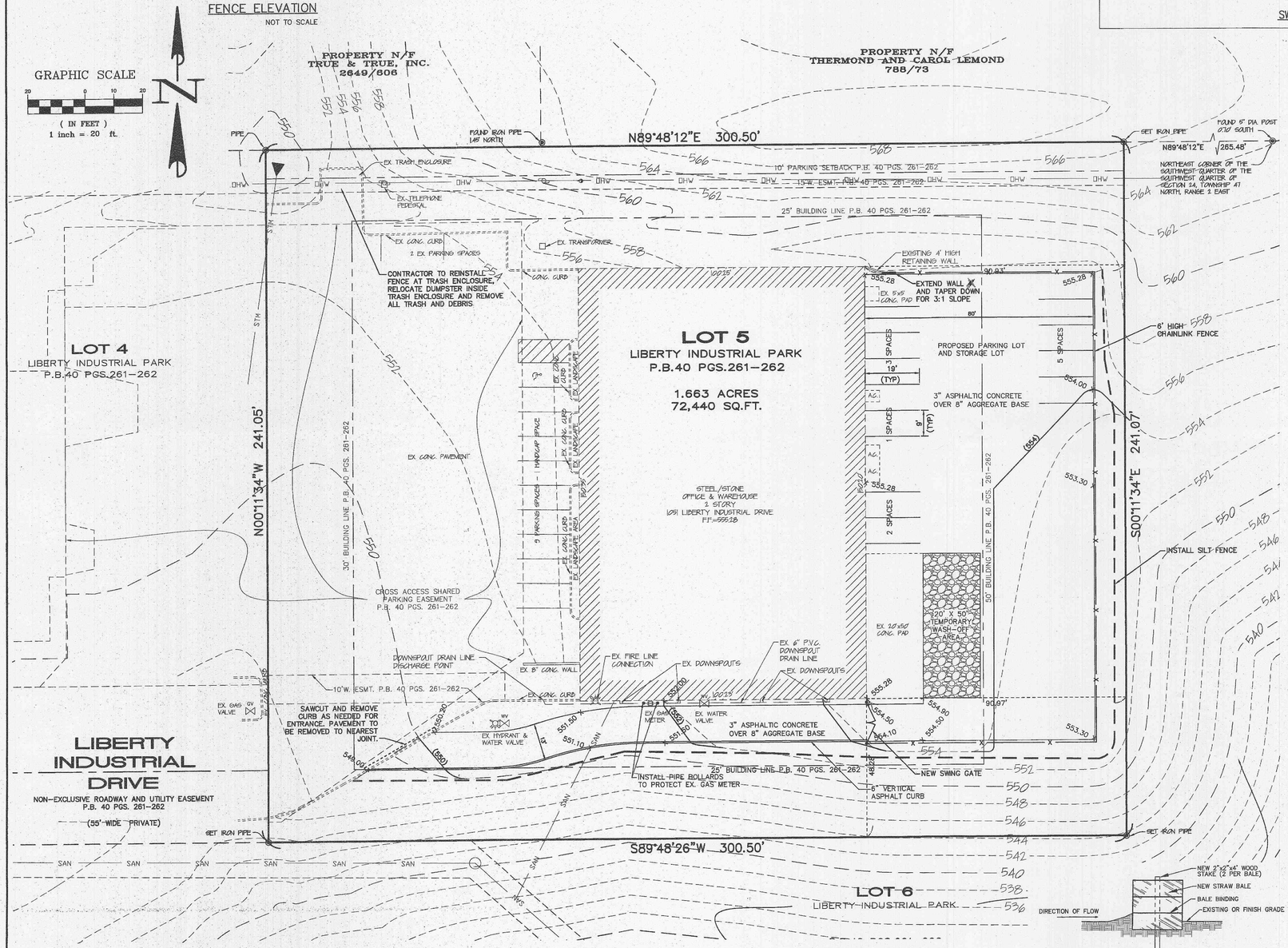
SCALE: 1"=10'

GRAPHIC SCALE

20 0 10 20

(IN FEET)

1 inch = 20 ft.

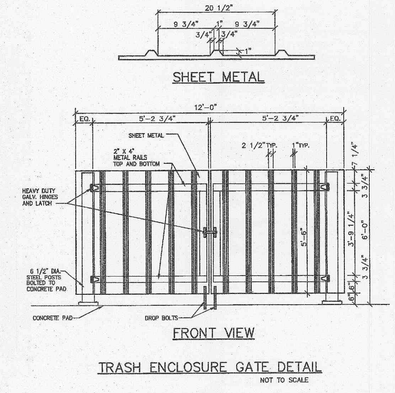


STORMWATER RUNOFF CALCULATIONS

EXISTING RUNOFF: IMPERVIOUS AREA = 0.79 ACRES X 3.85 = 3.04 c.f.s
PERVIOUS AREA = 0.87 ACRES X 1.87 = 1.63 c.f.s.
EXISTING TQ = 4.67 c.f.s.

PROPOSED RUNOFF: IMPERVIOUS AREA = 1.11 ACRES X 3.85 = 4.27 c.f.s.
PERVIOUS AREA = 0.55 ACRES X 1.87 = 1.03 c.f.s.
PROPOSED TQ = 5.30 c.f.s.

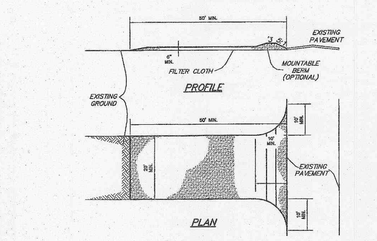
SHEET METAL



FRONT VIEW

TRASH ENCLOSURE GATE DETAIL

NOT TO SCALE

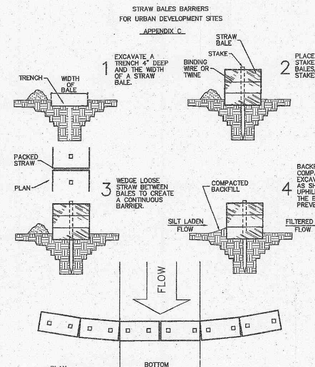


CONSTRUCTION SPECIFICATIONS

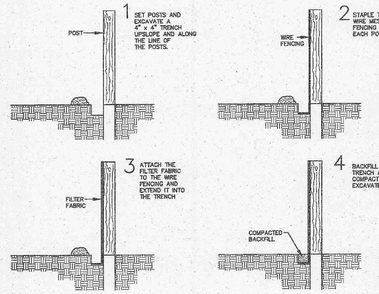
1. Stone Size – Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length – As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness – Not less than six (6) inches.
4. Width – Twenty (20) foot minimum, but not less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

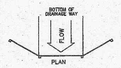
NOT TO SCALE



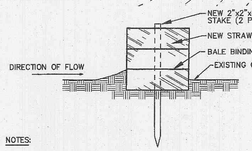
PLACEMENT AND CONSTRUCTION OF STRAW BALE BARRIER



1. FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
2. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY HALF THE HEIGHT OF THE BARRIER.
4. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.



SILTATION FENCE DETAIL



NOTES:

1. STRAW BALES, NOT HAY BALES SHALL BE USED
2. BUTT ENDS OF BALES TIGHTLY TOGETHER.
3. INSTALL BALES WITH BINDING AROUND SIDES, NOT TOP AND BOTTOM.
4. FILL ANY GAP BETWEEN BALES BY WEDGING LOOSE STRAW BETWEEN THEM.

SEDIMENT BARRIER

NOT TO SCALE

STATE OF MISSOURI
CLIFFORD L. HEITMANN
NUMBER E-29817
9-14-09

Signature
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Date
Civil Engineer
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UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE LOCATED PRIOR TO ANY GRADING OR CONSTRUCTION OF THE IMPROVEMENTS.

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