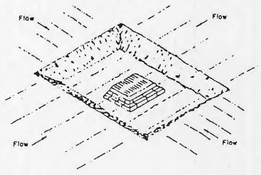
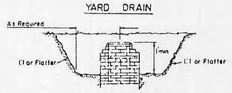
STORM INLET SEDIMENT TRAP ST-III



YARD DRAIN



CROSS SECTION

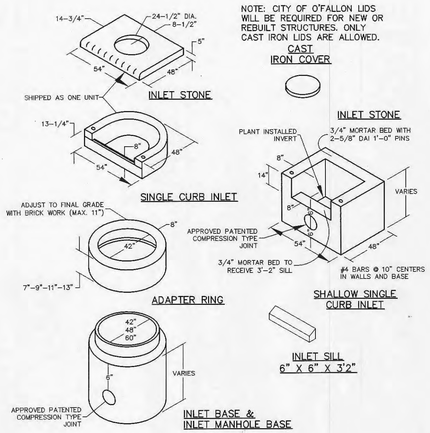
CONSTRUCTION SPECIFICATION FOR ST-III

1. Sediment shall be removed and the trap restored to its original dimensions when the sediment has accumulated to ½ the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
2. The volume of sediment storage shall be 1800 cubic feet per acre of contributory drainage.
3. The structure shall be inspected after each rain and repairs made as needed.
4. Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized.
5. The sediment trap shall be removed and the area stabilized when the constructed drainage area has been properly stabilized.
6. All cut slopes shall be 1:1 or flatter.

Maximum Drainage Area: 3 Acres

	STORM INLET SEDIMENT TRAP	STANDARD DRAWING ST-III

41



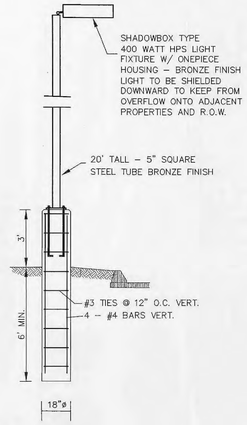
NOTE: CITY OF O'FALLON LIDS WILL BE REQUIRED FOR NEW OR REBUILT STRUCTURES. ONLY CAST IRON LIDS ARE ALLOWED.

CAST IRON COVER

INLET STONE

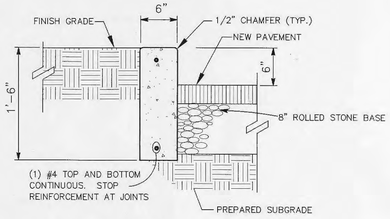
SINGLE STREET INLETS PRECAST CONCRETE

NOT TO SCALE



LIGHT POLE & BASE

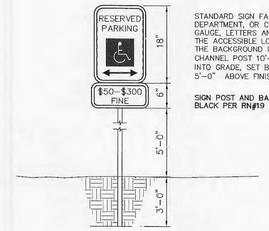
NOT TO SCALE



CONCRETE CURB DETAIL

NOT TO SCALE

* ALL GRANULAR ROLLED STONE BASE UNDER PROPOSED CONCRETE MUST BE COMPACTED TO 100% OF THE MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-99. CONCRETE COMPRESSIVE STRENGTH SHALL BE 4000 PSI IN 28 DAYS.

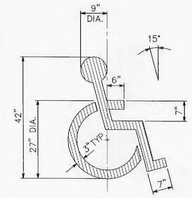


STANDARD SIGN FACE, STANDARD HIGHWAY DEPARTMENT, OR CITY STREET DEPARTMENT GAUGE, LETTERS AND BORDERS ARE GREEN, THE ACCESSIBLE LOGO SQUARE IS BLUE AND THE BACKGROUND IS WHITE, GALVANIZED U CHANNEL POST 10'-0" LONG, SET 3'-0" INTO GRADE, SET BOTTOM OF "FINE" SIGN 5'-0" ABOVE FINISHED GRADE.

SIGN POST AND BACK MUST BE PAINTED BLACK PER RN#19 ON SHEET 2.

ACCESSIBLE CAR PARKING SIGN

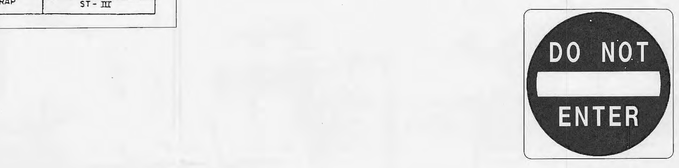
NOT TO SCALE



PAINTED ACCESSIBLE PARKING SYMBOL

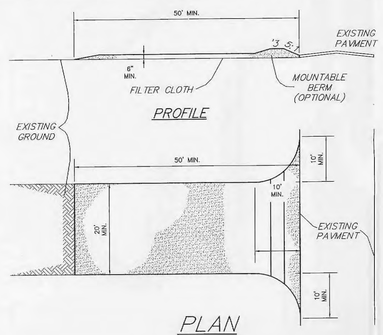
NOT TO SCALE

* ACCESSIBLE SYMBOL SHALL BE PAINTED BLUE PER CITY REQUIREMENTS.



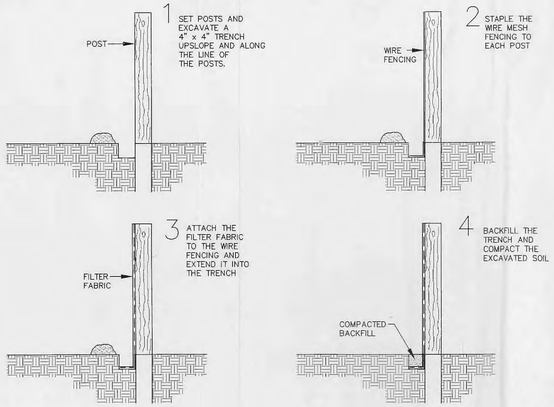
R5-1

STABILIZED CONSTRUCTION ENTRANCE

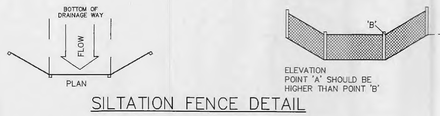


CONSTRUCTION SPECIFICATIONS

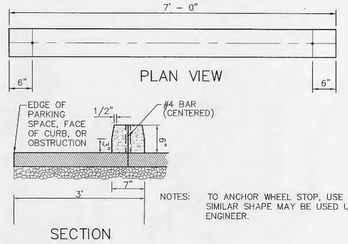
1. Stone Size – Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length – As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness – Not less than six (6) inches.
4. Width – Twenty (20) foot minimum, but not less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



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 BE 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.



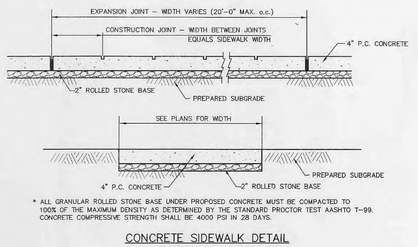
SILTATION FENCE DETAIL



NOTES: TO ANCHOR WHEEL STOP, USE 2 – #4 BARS 24" LONG SIMILAR SHAPE MAY BE USED UPON APPROVAL OF THE ENGINEER.

SECTION

PRECAST CONCRETE WHEELSTOP



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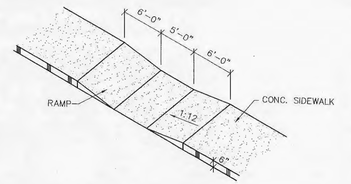
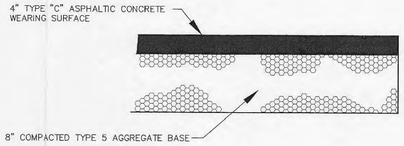
CONCRETE SIDEWALK DETAIL

NOT TO SCALE



ACCESSIBLE RAMP DETAIL

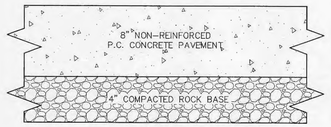
NOT TO SCALE



ASPHALT PAVEMENT DETAIL

NOT TO SCALE

* THE ASPHALT SURFACE SHALL BE COMPACTED TO 98% MAXIMUM DENSITY.
* ALL GRANULAR ROLLED STONE BASE UNDER PROPOSED CONCRETE MUST BE COMPACTED TO 100% OF THE MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-99.



CONCRETE PAVEMENT DETAIL

NOT TO SCALE

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PROJECT TITLE:
INQUIRY INTELLIGENCE SYSTEMS

Bax Project #95-0653B | Issue Date: 04/21/2014

ENGINEERING
PLANNING
SURVEYING
221 Point West Blvd.
St. Charles, MO 63301
636-928-5552
FAX 928-1718

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I hereby specify that the documents intended to be authenticated by my seal are limited to this sheet, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project.

STATE OF MISSOURI
LARRY DAVID WALKER
NUMBER PE-2007020343
PROFESSIONAL ENGINEER
5/13/14

Larry David Walker
Civil Engineer
2007020343

REVISIONS

05/01/14	CITY COMMENTS
05/13/14	CITY COMMENTS

Developer / Owner:
INQUIRY INTELLIGENCE SYSTEMS
18 NORTH CENTRAL AVENUE
O'FALLON, MO 63366
(636) 240-1800

CONSTRUCTION DETAILS

P+Z No.
#20-14.01

City No.
#14-163

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