North Entrance Drive			
Sta. No.	Sta. Type	N	E
9+96.88	BEGIN	89812.26	61544.39
10+33.20	P.C.	89800.73	61578.84
11+14.63	P.I.	89774.87	61656.05
11+90.64	P.T.	89799.45	61733.67
13+77.34	P.C.	89855.81	61911.67
15+16.60	P.I.	89897.85	62044.44
16+31.47	P.T.	89807.08	62150.07
16+79.08	P.C.	89776.05	62186.18
17+75.91	P.I.	89712.95	62259.62
18+63.84	P.T.	89616.84	62271.40
23+81.19	ANGLE PT	89103.33	62334.32
26+52.52	P.C.	88833.35	62361.35
26+63.74	P.I.	88822.18	62362.47
26+74.92	P.T.	88811.31	62365.23
29+65.04	P.C.	88530.15	62436.77
30+97.08	P.I.	88402.19	62469.32
31+81.57	P.T.	88418.25	62600.38
38+05.90	P.C.	88494.18	63220.07
39+50.53	P.I.	88511.77	63363.62
40+36.05	P.R.C	88655.87	63351.28
41+10.69	P.I.	88730.24	63344.91
41+83.13	P.T.	88800.74	63369.44
43+62.48	P.C.	88970.12	63428.37
44+14.90	P.I.	89019.63	63445.59
44+66.26	P.C.C.	89072.04	63445.01
46+35.98	P.I.	89241.75	63443.12
47+20.36	P.T.	89219.02	63274.93
49+35.99	END	89190.14	63061.24

South Entrance Drive			
Sta. No.	Sta. Type	N	E
0+96.53	BEGIN	88930.60	61675.68
3+62.98	P.C.	89067.70	61904.15
4+32.23	P.I.	89103.33	61963.51
4+98.10	P.T.	89103.33	62032.78
7+99.63	END	89103.33	62334.32

Sanitary Sewers			
Struc. No.	Struc. Type	N	E
K	POC	89311.89	95576.46
L	MH	89541.17	62548.32
M	MH	89541.17	62413.32
N	MH	89541.17	62368.32
O	MH	89697.73	62353.00
P	MH	89820.00	62228.89
Q	MH	89869.50	62139.33
R	MH	89814.80	62093.30

North Employee Entry Traffic Control Station			
Struc. No.	Struc. Type	N	E
North Corner	Control Booth	89835.14	62031.27
South Corner	Control Booth	89812.98	62038.56
West Corner	Control Booth	89826.06	62023.42
East Corner	Control Booth	89822.06	62046.40

South Employee EntryTraffic Control Station			
Struc. No.	Struc. Type	N	E
North Corner	Control Booth	8+021.11	61822.29
South Corner	Control Booth	89009.50	61815.26
West Corner	Control Booth	89014.93	61812.00
East Corner	Control Booth	89015.68	61825.55

Storm Sewers			
Struc. No.	Struc. Type	N	E
5	EX. INLET	89823.70	62009.68
5	MH	89823.70	62009.68
5.1	INLET	89818.40	61993.00
68.1	MH	89790.02	62076.96

Control			
Point No.	Description	N	E
CP1	PL CORNER	89878.64	61645.39
CP2	PL CORNER	89857.70	61701.94
CP3	PL CORNER	89828.57	61711.78
CP4	PL CORNER	89913.26	61962.30
CP5	PL CORNER	89913.63	62074.63
CP6	PL CORNER	89824.11	62250.63
CP7	PL CORNER	89716.73	62376.18
CP8	PL CORNER	89516.17	63468.42
CP9	PL CORNER	89040.81	63939.16
CP10	PL CORNER	88719.23	63855.72
CP11	PL CORNER	88653.04	63384.48
CP12	PL CORNER	88464.47	63480.15
CP13	PL CORNER	88330.98	62474.59
CP14	PL CORNER	89052.28	62228.87
CP15	PL CORNER	89048.99	61991.93
CP16	PL CORNER	88865.83	61782.00
CP17	PL CORNER	88994.17	61692.33
CP18	PL CORNER	89196.67	61617.17
CP19	PL CORNER	89340.83	61578.83
CP20	PL CORNER	89488.33	61565.08
CP21	PL CORNER	89636.67	61576.25
CP22	PL CORNER	89780.83	61612.08

Grading Notes

1.) Proposed contours and spot elevations represent finished grade (pavement surface, etc.).

2.) Contractor shall furnish, install and maintain erosion control devices, including, but not limited to: silt fences, straw bales, diversion channels and siltation basins. Erosion control measures shall be maintained until permanent ground cover is established and accepted by MasterCard. Erosion control shall be implemented before grading begins and shall follow the guidelines in the model sediment and erosion control regulations by St. Charles soil and water conservation district.

All erosion control systems shall shall be inspected and necessary corrections made within 24 hours of any rainstorm resulting in one-half inch of rain or more.

No graded area is to remian bare for over 6 months without being seeded and mulched.

Also, when deemed necessary, positive steps shall be excercised to prevent soil from damaging adjacent property and silting-up storm drainage systems, whether on or off site.

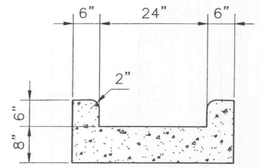
3.) Fill shall not be placed on existing slopes steeper than 4(h) to 1(v); such slopes shall be benched.

4.) Finished graded slopes shall not be steeper than 3(h) to 1(v).

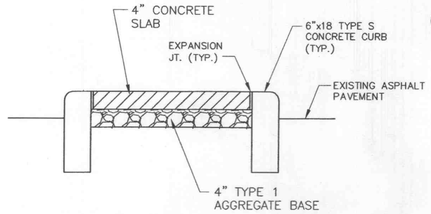
5.) High plastic clay shall not be used for fill under footings, slabs-on-grade or pavements.

6.) Bidders are advised that a geotechnical investigation of the site was performed by Reitz & Jens, Inc. Their report is dated April 26, 1999.

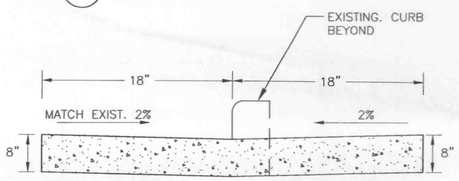
7.) FIRM Panel: 430, Map: 29183C0430 E, Map Revised: August 2, 1998, Zone X.



18 CONCRETE CURB GUTTER
SCALE: NONE



CARD READER ISLAND
(SEE SECURITY CONSULTANT DRWGS + SPECS. FOR SIZE.)
17 SCALE: NONE



16 CONCRETE GUTTER
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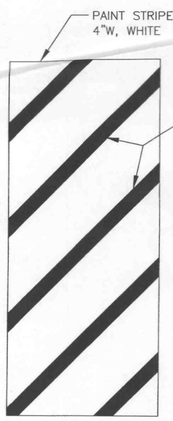

15 STRIPING
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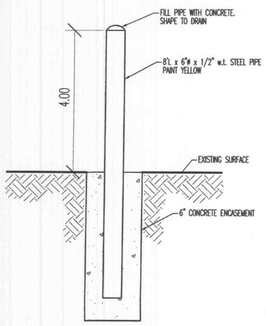
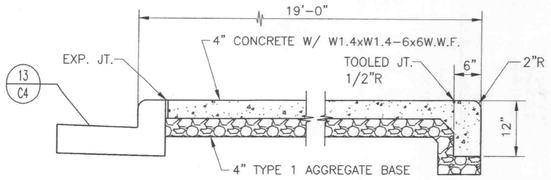
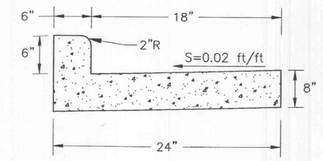


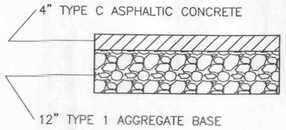
19 PIPE BOLLARD DETAIL
SCALE: NONE



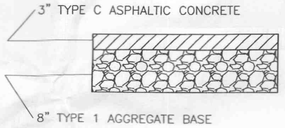
TRAFFIC CONTROL STATION CONCRETE PAVEMENT
14 SCALE: NONE



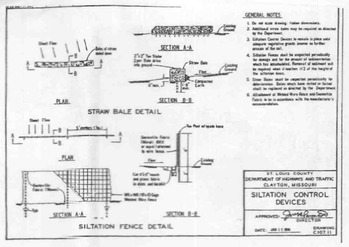
13 CONCRETE CURB AND GUTTER
SCALE: NONE



SERVICE PAVEMENT
(ENTRY ROADS, SERVICE DRIVE)
12 SCALE: NONE



ASPHALT PAVEMENT
(PARKING LOTS AND AISLES)
11 SCALE: NONE



10 EROSION CONTROL
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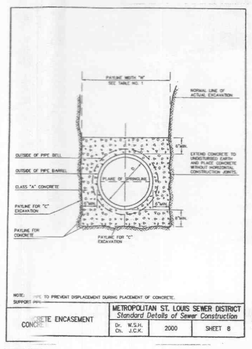
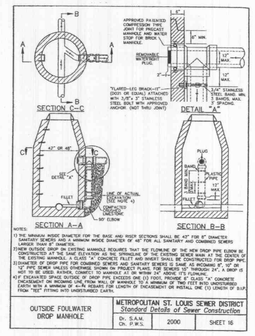
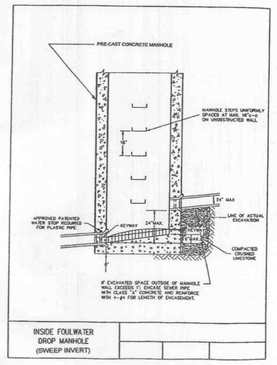


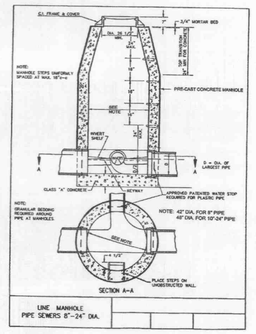
9 CONCRETE ENCASEMENT
SCALE: NONE



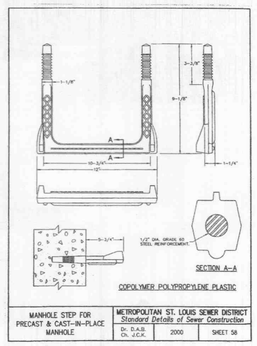
OUTSIDE FOULWATER DROP MANHOLE
8 SCALE: NONE



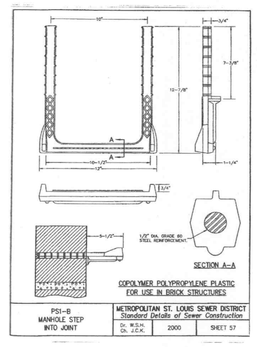
INSIDE FOULWATER DROP MANHOLE
7 SCALE: NONE



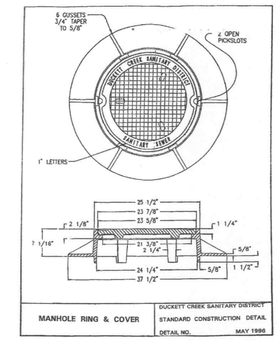
LINE MANHOLE
6 SCALE: NONE



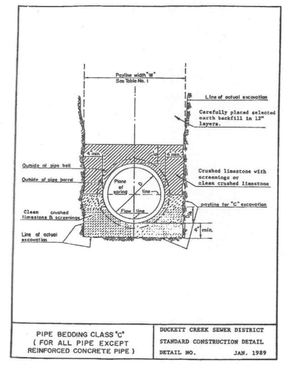
MANHOLE STEP FOR PRECAST MANHOLE
5 SCALE: NONE



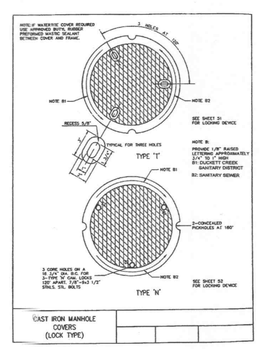
4 MANHOLE STEP INTO JOINT
SCALE: NONE



2 MANHOLE RING & COVER
SCALE: NONE



3 PIPE BEDDING CLASS "C"
SCALE: NONE



1 CAST IRON MANHOLE COVERS
SCALE: NONE

MASTERCARD
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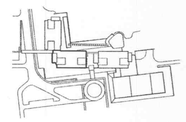
STATE OF MISSOURI STEVEN M. SKASHOK E-20890 REGISTERED PROFESSIONAL ENGINEER

Issue

#	Date	Description	Drwn	Chk

North Seal

Key Plan



Date 19 DEC. 2001 Project Code 98-0478-001
Drawn GMB Checked SMS
CAD File 99406C4.dwg

Scale

Original drawing sheet is 48" x 36"-Scale accordingly if reduced

DETAILS

Drawing Number C.4