

# GREEN TREE MEADOWS

## PLAT 4

### IMPROVEMENT PLANS

HELMUT WEBER CONSTRUCTION CO,

**VOLZ**

HELMUT WEBER  
CONSTRUCTION CO.  
1717 HENKE RD.  
O'FALLON, MO.  
63366

5933 South Highway 94, Suite 201.  
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Engineers  
Land Planners  
Land Surveyors



**GREEN TREE MEADOWS**  
**PLAT 4 & PLAT 5**

IMPROVEMENT PLANS
Design By: E.D.K.
Drawn By: D.K.L.
Checked By: E.A.K.
B-0644

RECEIVED  
APR 15 2007  
CITY OF O'FALLON, MO.



## CONSTRUCTION NOTES

The underground utilities shown herein were plotted from available information and do not necessarily reflect the actual existence, nonexistence, size, type, number, or location of these or other utilities. The general contractor shall be responsible for verifying the actual location of all underground utilities, shown or not shown, and said utilities shall be located in the field prior to any grading, excavation, or construction of improvements. These provisions shall in no way absolve any party from complying with the Underground Facility Safety and Damage Prevention Act, Chapter 319, RSMo.

All construction and materials used shall conform to current City of Lake Saint Louis, Missouri standards and construction specifications.

All utility relocations will be determined by the individual utility company.

Consult Soils Engineer for soil compaction recommendations.

No area shall be cleared without permission of the developer.

All grades shall be within 0.2 feet, plus or minus, of those shown on the grading plan.

No slope shall be steeper than 3 horizontal to 1 vertical.

If soil & fill operations occur during a season not favorable for immediate establishment of a permanent ground cover, a fast germinating annual such as rye grasses or sudan grasses shall be utilized to retard erosion.

Erosion and siltation control shall be installed prior to any grading and be maintained throughout the project until acceptance of the work by the owner and/or controlling regulatory agency and adequate vegetative growth insures no further erosion of soil.

Contractor is responsible for maintaining all siltation control devices shown, and provide additional siltation control devices as deemed necessary due to field conditions or as required by the City of Lake Saint Louis. See approved grading plan set for location of devices.

The Contractor shall notify the Soil Engineer at least two days in advance of the start of the grading operation.

Loading on non-surfaced areas is prohibited in order to eliminate the condition whereby mud from construction and employee vehicles is tracked onto the pavement causing hazardous roadway and driving conditions. Contractor shall keep road clear of mud and debris.

All erosion control systems shall be inspected and necessary corrections made within 24 hours of any rainstorm resulting in sediment reaching one-half the height of straw bales or silt fences.

Siltation fences shall be inspected periodically for damage and for the amount of sediment which has accumulated. Removal of sediment will be required when it reaches 1/2 the height of the fences.

Straw bales shall be inspected periodically for deterioration. Bales which have rotted or failed shall be replaced. Removal of sediment will be required when it reaches 1/2 the height of the bales.

The grading Contractor shall perform a complete grading and compaction operation as shown on plans, stated in these notes, or reasonably implied therefrom, all in accordance with the plans and notes as interpreted by the Geotechnical Engineer. Contractor is responsible for monitoring grading operation and accuracy of final grades. Notify engineer of any discrepancies affecting final grading balance.

All trench backfills under pavement within the public right-of-way shall be granular backfilled. Trench backfills under paved areas outside of public right-of-way may be granular backfill in lieu of the earth backfill compacted to 90 percent of the Modified AASHTO T-180 compaction test A.S.T.M. D-1557.

Blasting will require a permit from the City of Lake Saint Louis.

Debris and foundation material from any existing on-site building or structure which is scheduled to be razed for this development must be disposed of off-site.

Soft soil in the bottom and banks of any existing or former pond sites or tributaries, or in any sediment basins or traps, shall be removed, spread out and permitted to dry sufficiently to be used as fill. None of this material may be placed in proposed public right-of-way locations or on any sewer locations.

Site preparation includes the clearance 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 material shall be properly disposed of off-site. Topsoil and grass in the fill areas shall be thoroughly disced prior to the placement of any fill. The Soils Engineer shall approve the discing operation.

Compaction equipment shall consist of tamping rollers, pneumatic-tired roller, or high speed impact type drum rollers, acceptable to the Soils Engineer. The roller shall be designed so as to avoid the creation of a layered fill without proper blending of successive fill layers.

The Soils 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.

The Soils 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 Soils Engineer of its acceptance prior to the placement of additional fill.

All areas to receive fill shall be scarified to a depth of not less than 6 inches and then compacted in accordance with the specifications given below. Natural slopes steeper than 1 vertical to 5 horizontal to receive fill shall have horizontal benches, cut into the slopes before the placement of any fill. The width and height to be determined by the Soils Engineer. 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 Soils Engineer shall be responsible for determining the acceptability of soils placed. Any unacceptable soils placed shall be removed at the Contractor's expense.

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 are those at which satisfactory dry densities can be obtained. The acceptable moisture contents during the filling operation in the remaining areas are from 2 to 8 percent above the optimum moisture content.

The surface of the fill shall be finished so that it will not impound water. If, at the end of a days 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 processing with the placement of succeeding lifts. Fill shall not be placed on frozen ground, nor shall filling operation continue when the temperature is such as to permit the layer under placement to freeze.

## REVEGETATIVE TABLE

VEGETATIVE ESTABLISHMENT  
For Urban Development Sites

### APPENDIX A

Minimum 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. (3.5 lbs. per square foot)  
Oats - 120 lbs./ac. (2.75 lbs. per square foot)

Mulch rates: 100 lbs. per 1,000 sq. feet (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.

## LEGEND

—UC—	EXISTING UNDERGROUND CABLE TV
—UT—	EXISTING UNDERGROUND TELEPHONE
—UE—	EXISTING UNDERGROUND ELECTRIC
—OU—	EXISTING OVERHEAD UTILITY WIRES
—G—	EXISTING GAS MAIN
—W—	EXISTING WATER MAIN
—F—	PROPOSED FORCE MAIN
—F—	EXISTING FORCE MAIN
—	BUILDING LINE
—	EXISTING SANITARY SEWER
—	PROPOSED SANITARY SEWER
—	EXISTING STORM SEWER
—	PROPOSED STORM SEWER
—	EXISTING CONTOUR
—	PROPOSED CONTOUR
—	EXISTING TREE LINE
—	PROPOSED TREE LINE
—	SILTATION CONTROL
—	EX HIGH WATER OR DITCH
—	GRADE BREAK
—	STREET SIGN
—	SWALE
—	DIRECTION OF SHEET FLOW
—	CLEARING AND GRADING LIMITS
—	FIRE HYDRANT
—	LIGHT STANDARD
—	VALVE
—	LATERAL
—	ADDRESS
—	TREE
—	SANITARY SEWER DESIGNATOR
—	STORM SEWER DESIGNATOR
—	AIR RELIEF VALVE
—	AIR RELIEF VALVE & C.O.

## UTILITY SERVICE

UTILITY	CONTACT NAME	TELEPHONE
St. Charles Gas	Clarence Hanks	(636) 946-0790
Verizon	Michella Gerteisen	(636) 332-3710
Cuivre River Electric	Earl Tucker	(636) 528-8261
Public Water Supply District No. 2 of St. Charles Co.	Jeff Bleckman	(636) 561-3737
Charter Communications	Randy Heendee	(636) 441-7511

## SOILS ENGINEER NOTES

These plans have been reviewed by Geotest, Inc. for their compliance regarding geotechnical recommendations relative to site development. Based on this review and available subsurface information, it is our opinion that the site may be constructed in accordance with the plans, good construction practices, and the recommendations given in our Geotechnical Report of \_\_\_\_\_.

We have not prepared any part of these plans and my seal on these plans is intended only to confirm my personal review and approval of the site grading plan as it relates to the stability of earth slopes.

Geotest, Inc. must be involved during the construction phase of this project in order to determine if subsurface conditions are as anticipated from the field exploration data, that our recommendations relative to site grading are implemented, and that other geotechnical aspects of this site development are performed in accordance with these plans.

GEOTEST, INC.

## U.S.G.S. BENCHMARK

NAD 83 Datum Benchmark:  
A 149 - Elevation = 630.08, Brass disk set in the Northwest wingwall of the Norfolk and Western railroad bridge over U.S. Highway 61, Business.

## FEMA MAP

This Site is not in the Flood Plain per  
F.I.R.M. MAP #29183C0220 E  
REVISED AUGUST 2, 1996

## PROJECT INFORMATION

PREPARED FOR:  
**HELMUT WEBER  
CONSTRUCTION CO.**  
1707 HENKE ROAD  
O'FALLON, MISSOURI 63366  
PHONE: (636) 561-4468

PREPARED BY:  
**VOLZ INCORPORATED**  
5933 SOUTH HIGHWAY 94, SUITE 201  
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PHONE: (314) 939-5155 FAX: (314) 939-5138

WUINENBERG'S MAP: PAGE 44 18-XX  
ZIP CODE: 63367  
MUNICIPALITY: LAKE ST. LOUIS, MISSOURI

## LOCATION MAP



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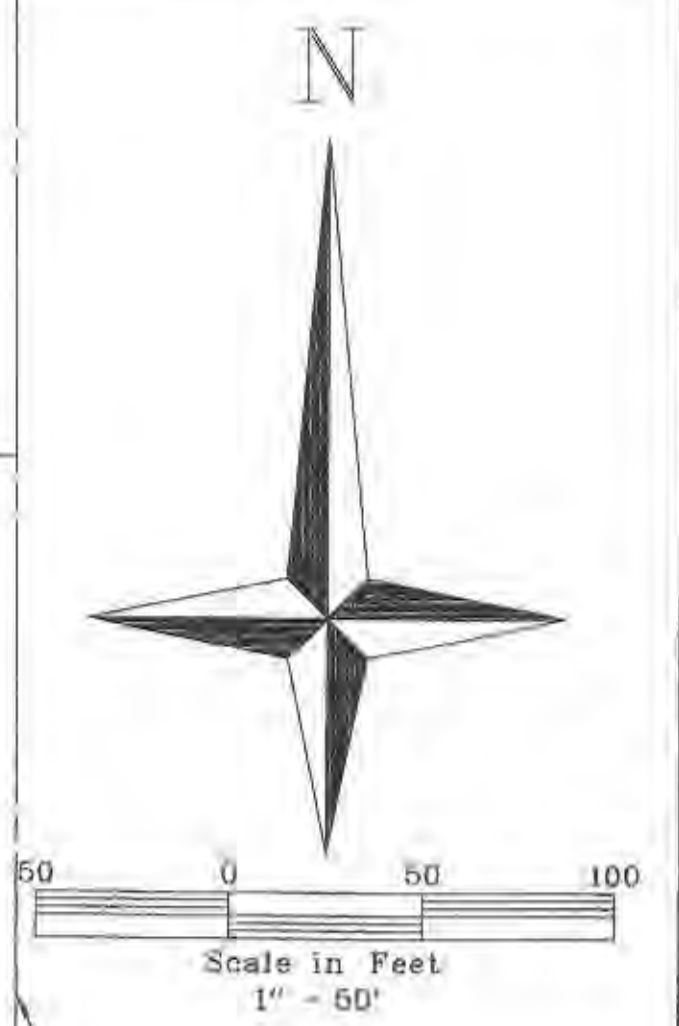
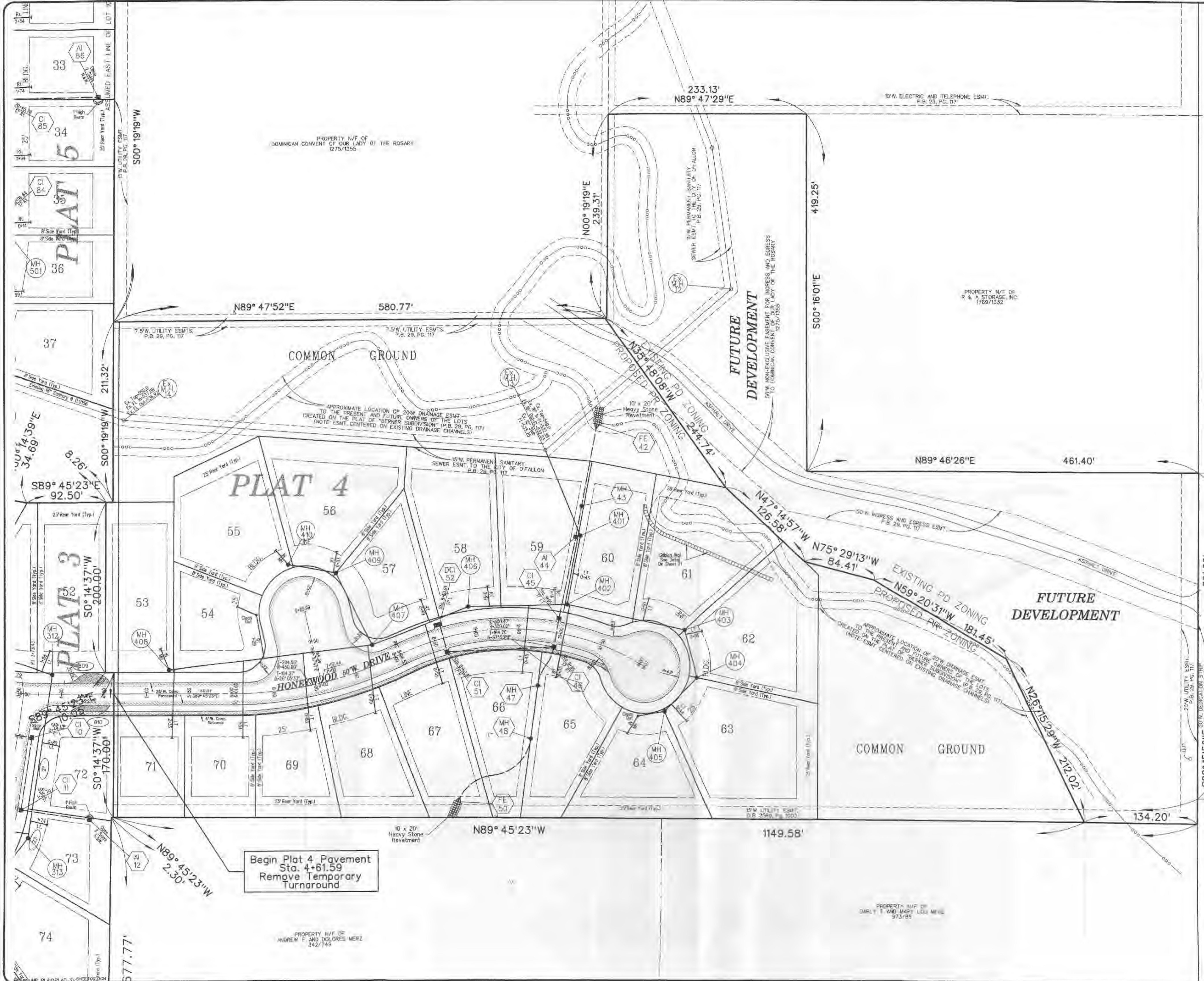


**GREEN TREE MEADOWS  
PLAT 4 & PLAT 5**

GENERAL INFORMATION  
Design By: E.D.K.  
Drawn By: D.K.L.  
Checked By: E.A.K.  
B-8644

02-11-02  
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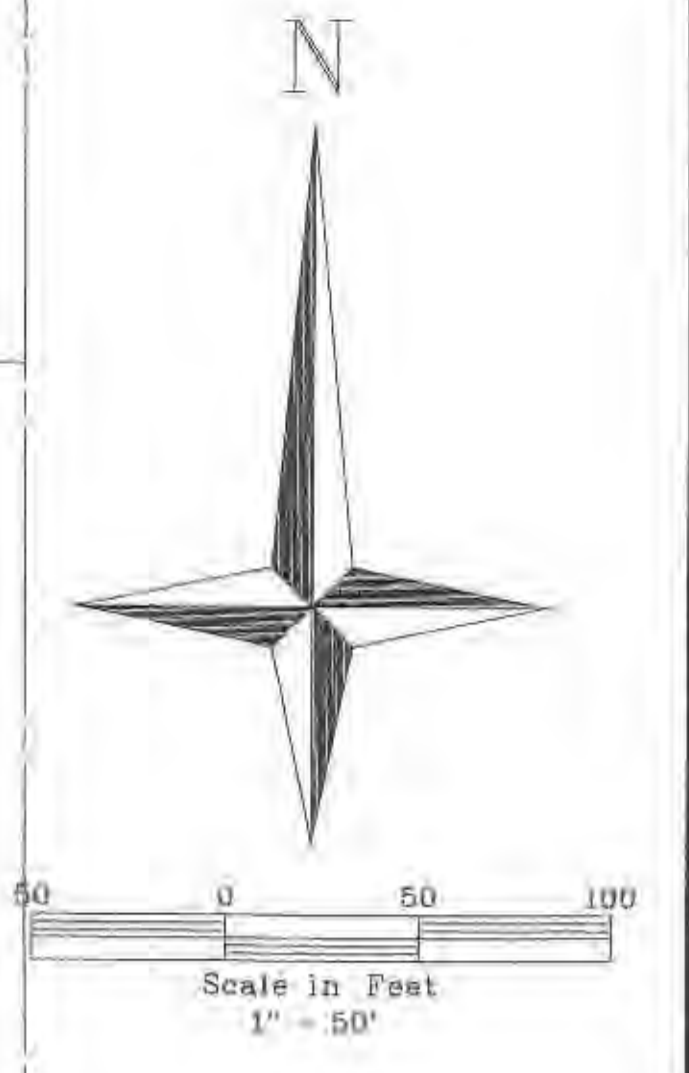
HELMUT WEBER  
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63366



# GREEN TREE MEADOWS PLAT 4

SITE PLAN	Design By: E.D.K.
	Drawn By: D.K.L.
	Checked By: E.A.K.
	B-8644
	03-27-02
	2





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# GREEN TREE MEADOWS PLAT 4

GRADING PLAN  
Design By: E.D.K.  
Drawn By: D.K.L.  
Checked By: E.A.K.  
P-6844

02-11-02  
4

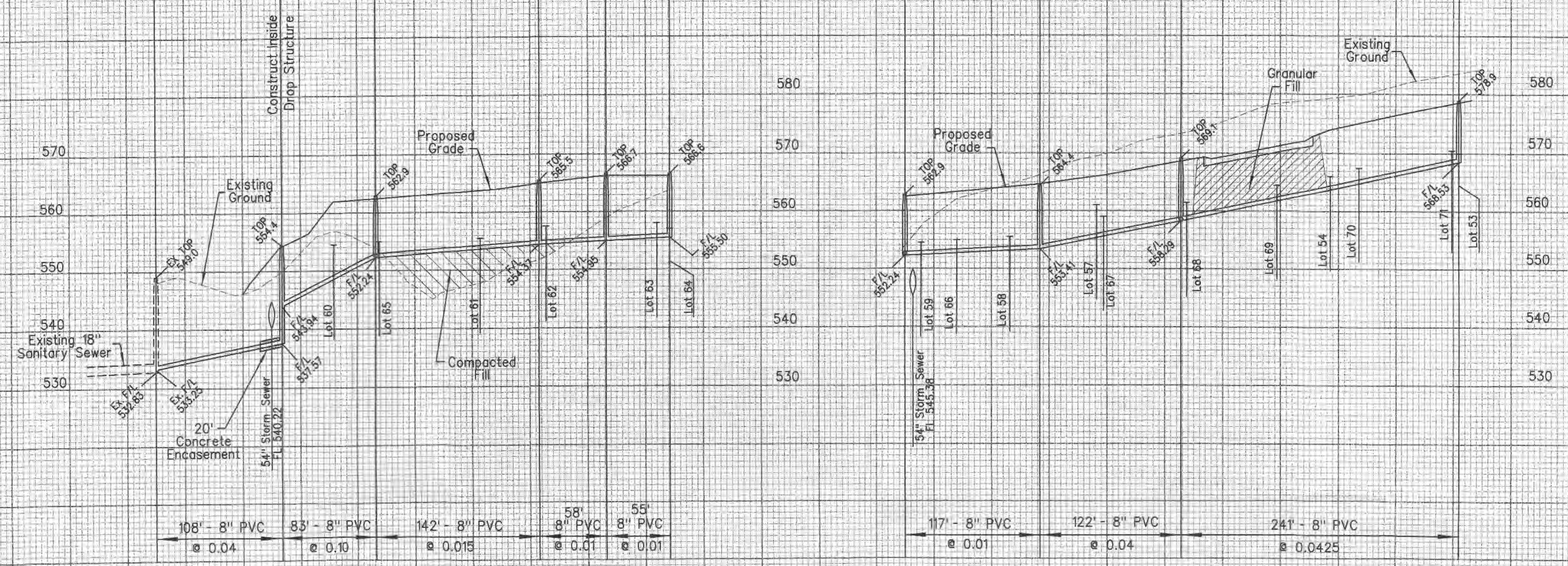




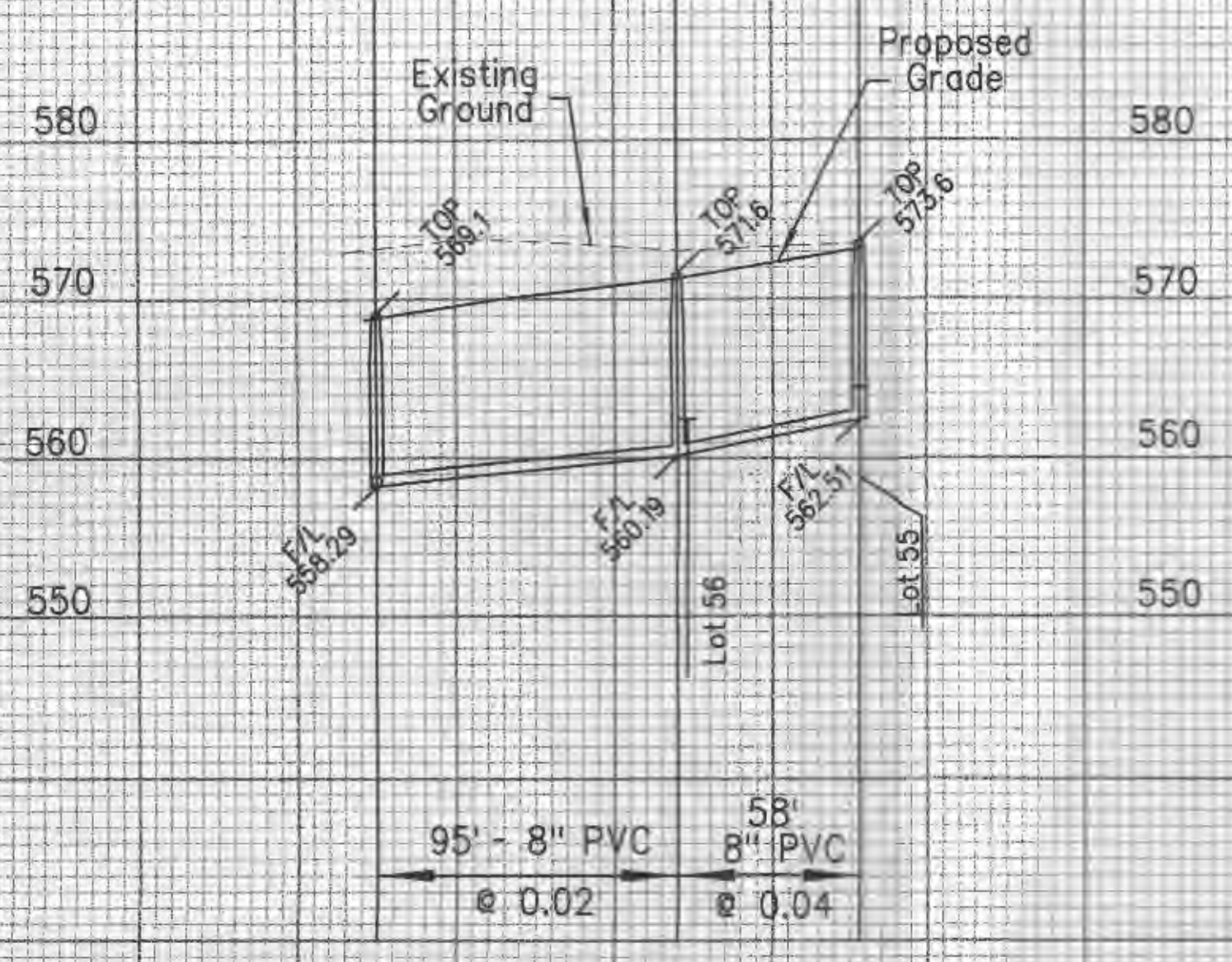


Scale: 1"=10' Vert.  
1"=50' Horiz.

EX MH 13    MH 401    MH 402    MH 403    MH 404    MH 405    MH 402    MH 406    MH 407    MH 408



MH 407    MH 409    MH 410



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# GREEN TREE MEADOWS PLAT 4

SANITARY PROFILES	
Design By: E.D.K.	Drawn By: D.K.L.
Checked By: E.A.K.	
B-6644	

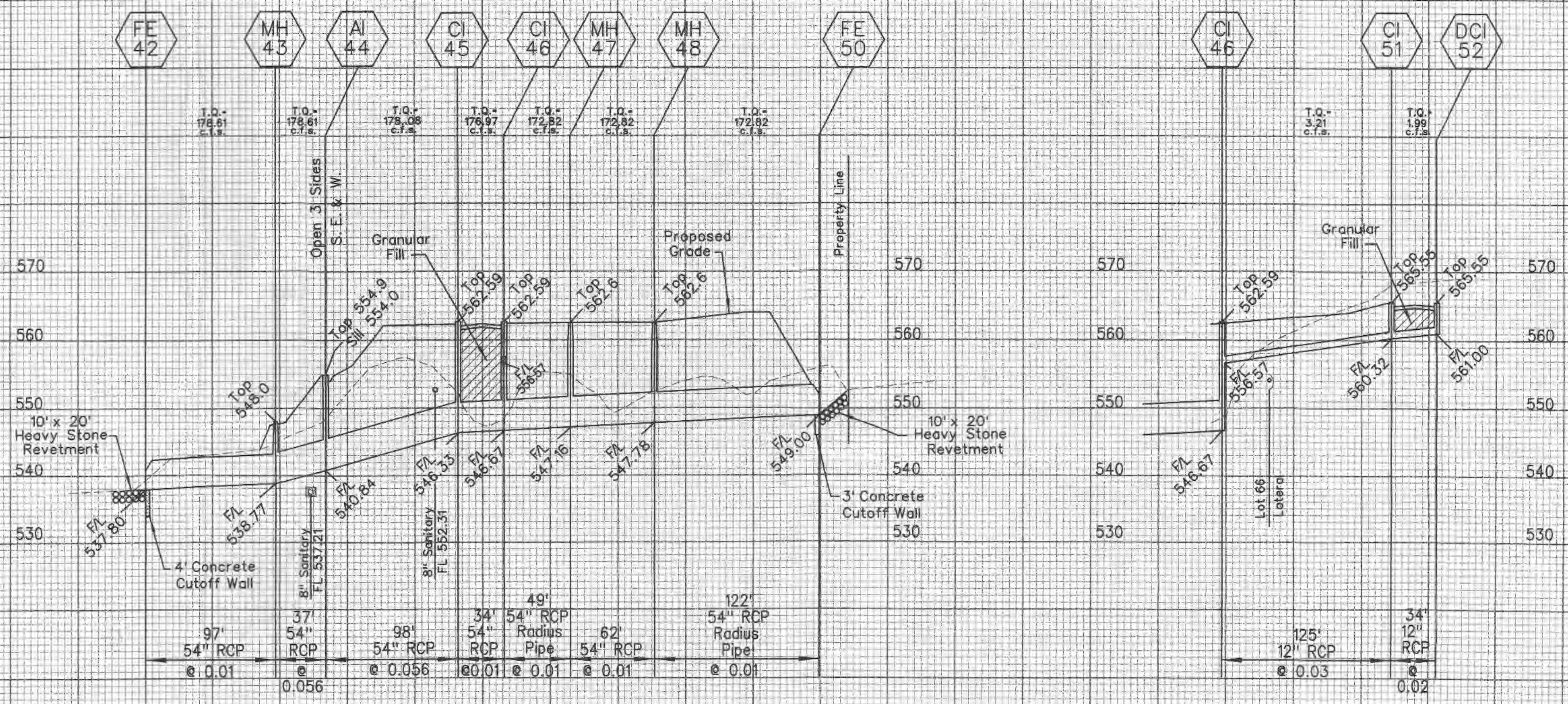


Scale: 1"=10' Vert.  
1"=50' Horiz.

HELMUT WEBER  
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O'FALLON, MO.  
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# GREEN TREE MEADOWS PLAT 4



STORM PROFILES

Design By: E.D.K.  
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Checked By: E.A.K.

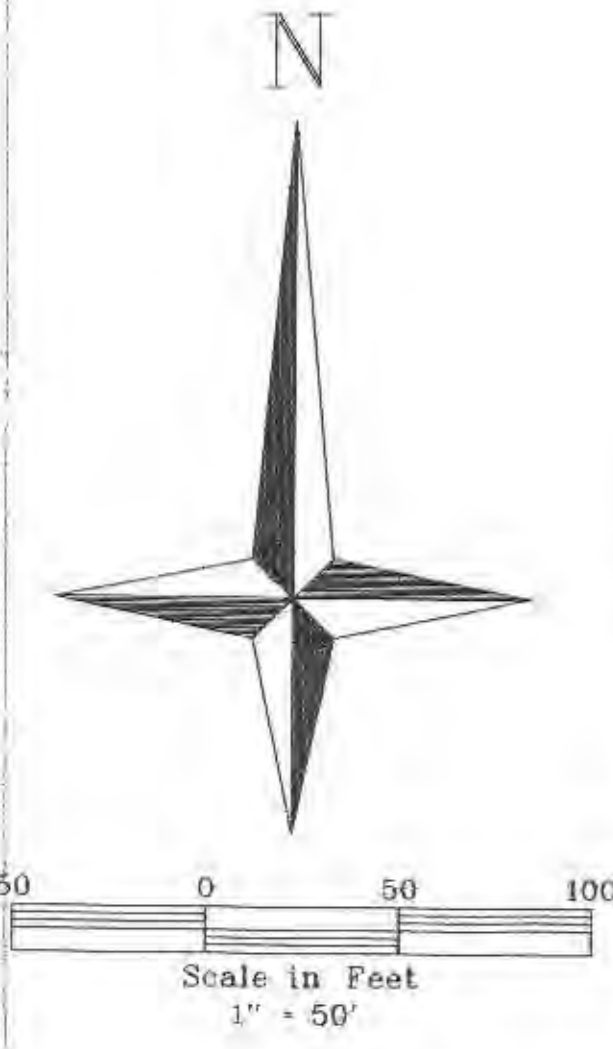
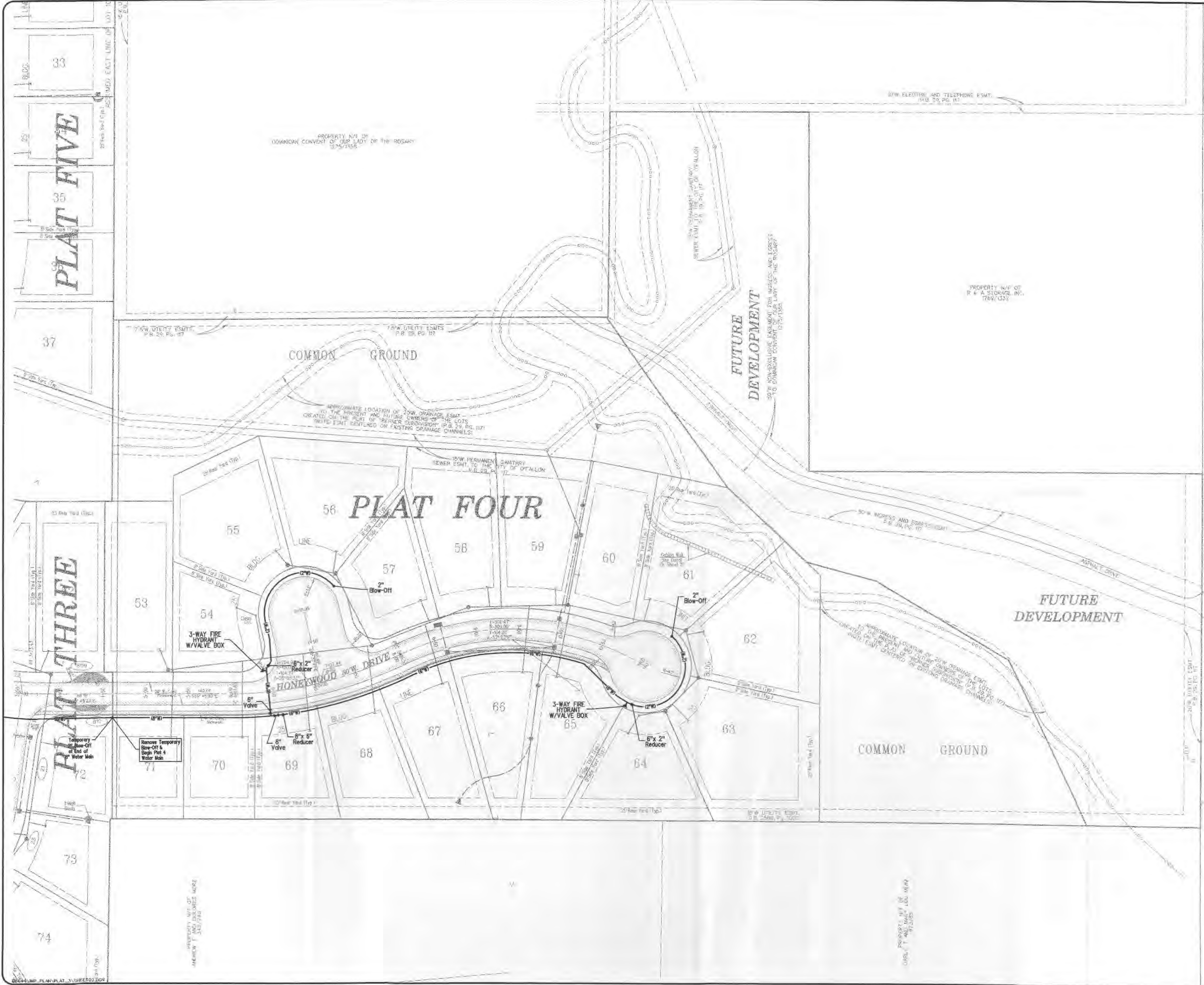
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12









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1707 HENKE RD.  
OTTAWA MO. 65366



**GREEN TREE MEADOWS  
PLAT 4**

WATER PLAN	Design By: E.D.K.
	Drawn By: D.K.L.
	Checked By: E.A.K.
	B-8844
	09-14-02
	17

HENKE (40'W.) ROAD

PROPERTY N/E OF  
R & A STORAGE, INC.  
1784/1331

PROPERTY N/S OF  
DOMINION CONVENT OF THE ROSARY  
0275/1155

12" PERMANENT SANITARY  
SEWER ESMAT TO THE CITY OF OTTAWA  
P.B. 30, PG. 17

FUTURE  
DEVELOPMENT  
50' NON-EXCLUSIVE EASEMENT FOR WATER AND EGRESS  
TO COMMON CONVENT OF THE ROSARY  
15/25/1988

COMMON GROUND

FUTURE  
DEVELOPMENT

7.5" W. UTILITY ESMAT  
P.B. 25, PG. 177

7.5" W. UTILITY ESMAT  
P.B. 25, PG. 177

COMMON GROUND

APPROXIMATE LOCATION OF 24" DRAINAGE ESMAT  
CREATED ON THE PLAN OF "PARKER SUBDIVISION" (P.B. 29, PG. 117)  
WHICH ESMAT CENTERED ON EXISTING DRAINAGE CHANNELS!

12" PERMANENT SANITARY  
SEWER ESMAT TO THE CITY OF OTTAWA  
P.B. 29, PG. 117

50' W. INGRESS AND EGRESS ESMAT  
P.B. 30, PG. 17

ASPHALT DRIVE

APPROXIMATE LOCATION OF 24" DRAINAGE ESMAT  
CREATED ON THE PLAN OF "PARKER SUBDIVISION" (P.B. 29, PG. 117)  
WHICH ESMAT CENTERED ON EXISTING DRAINAGE CHANNELS!

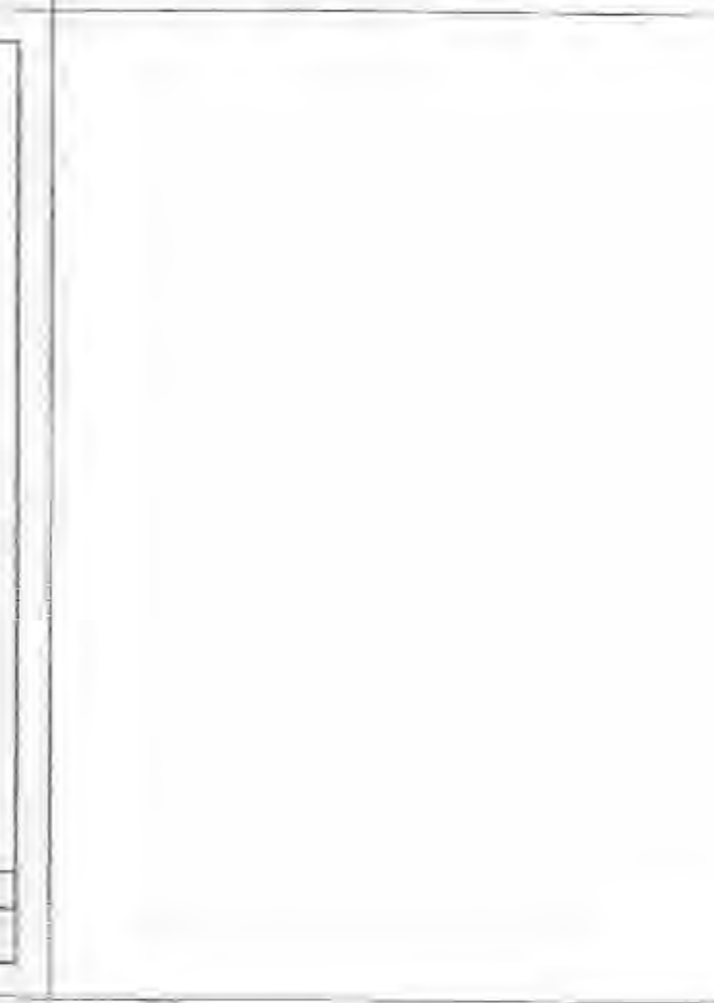
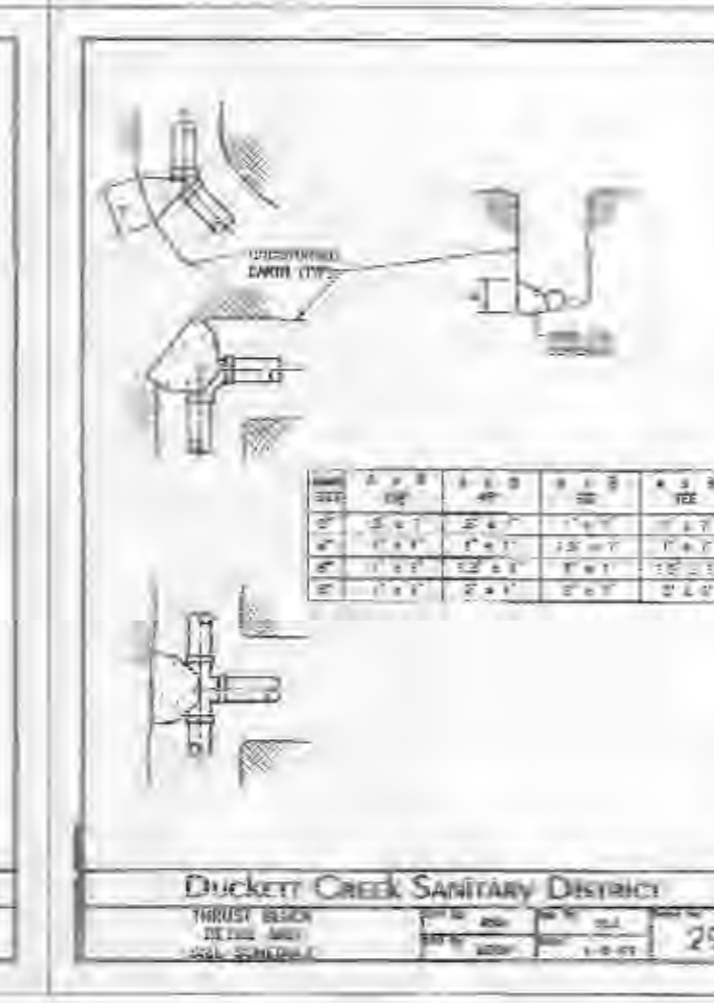
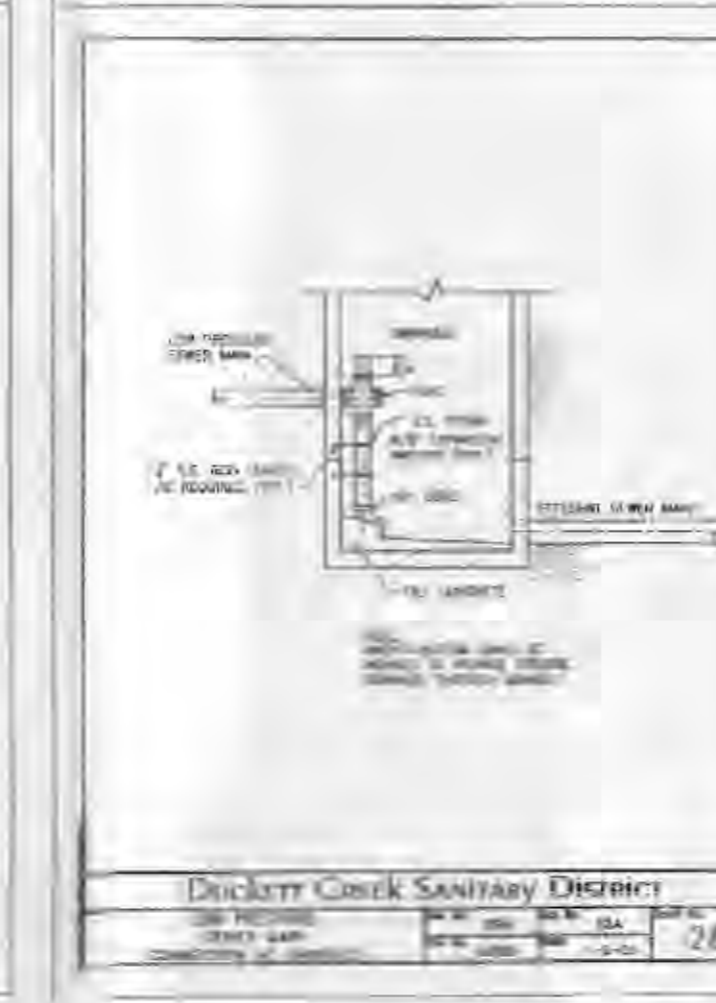
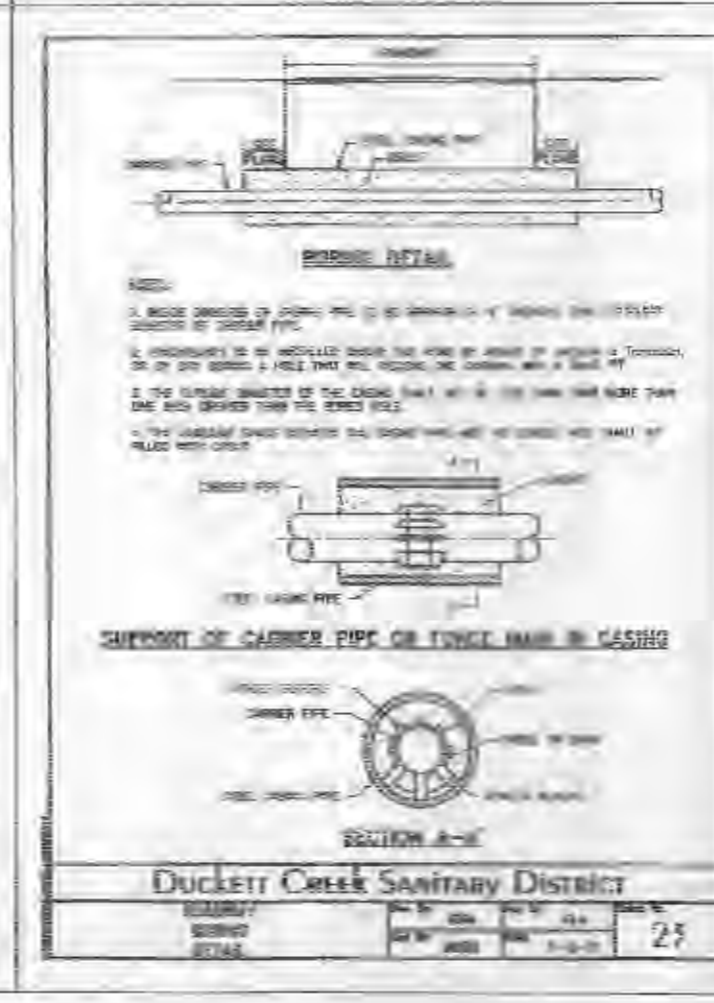
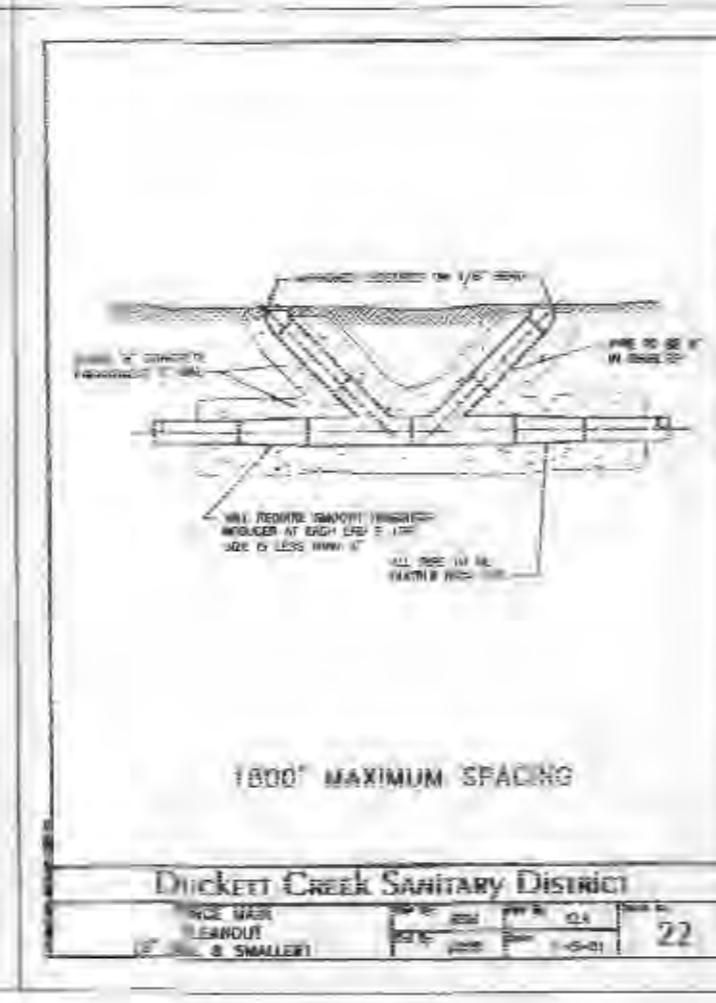
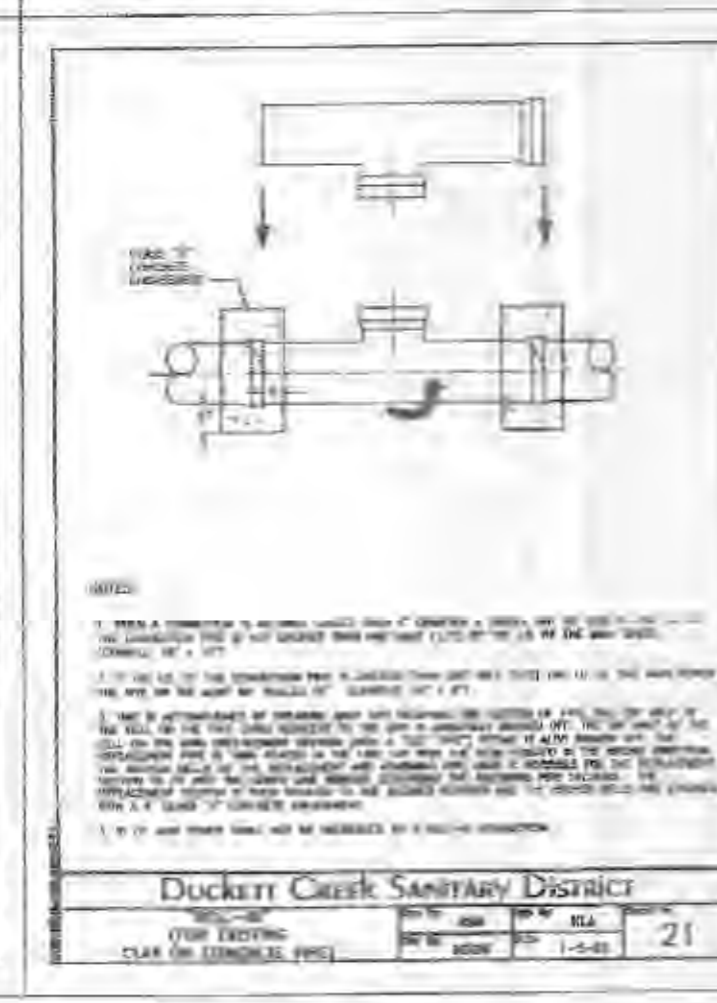
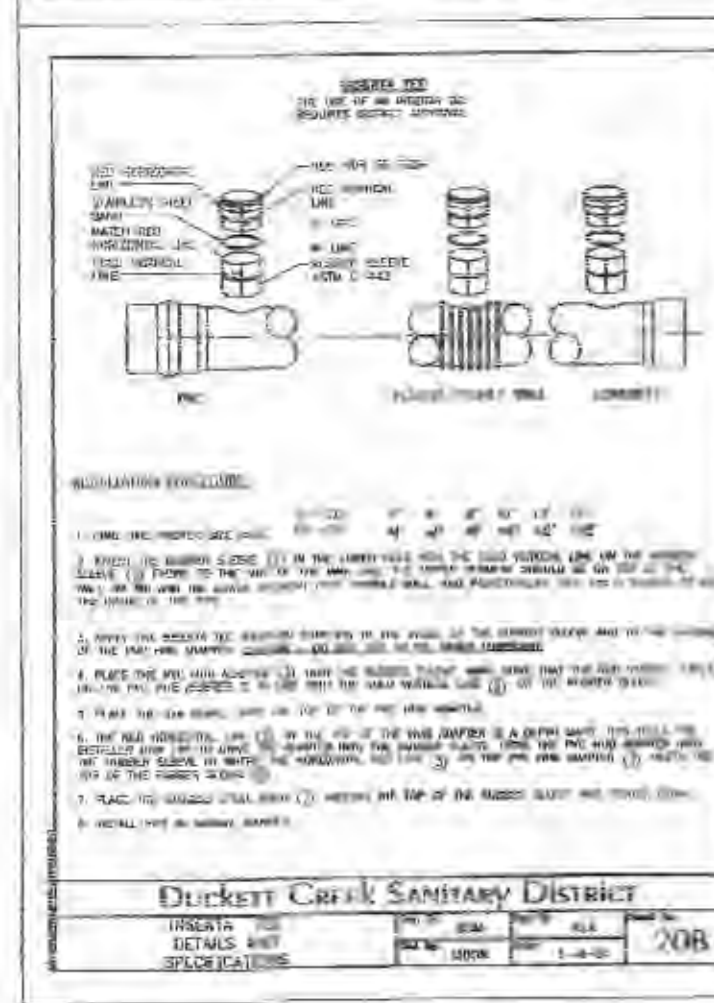
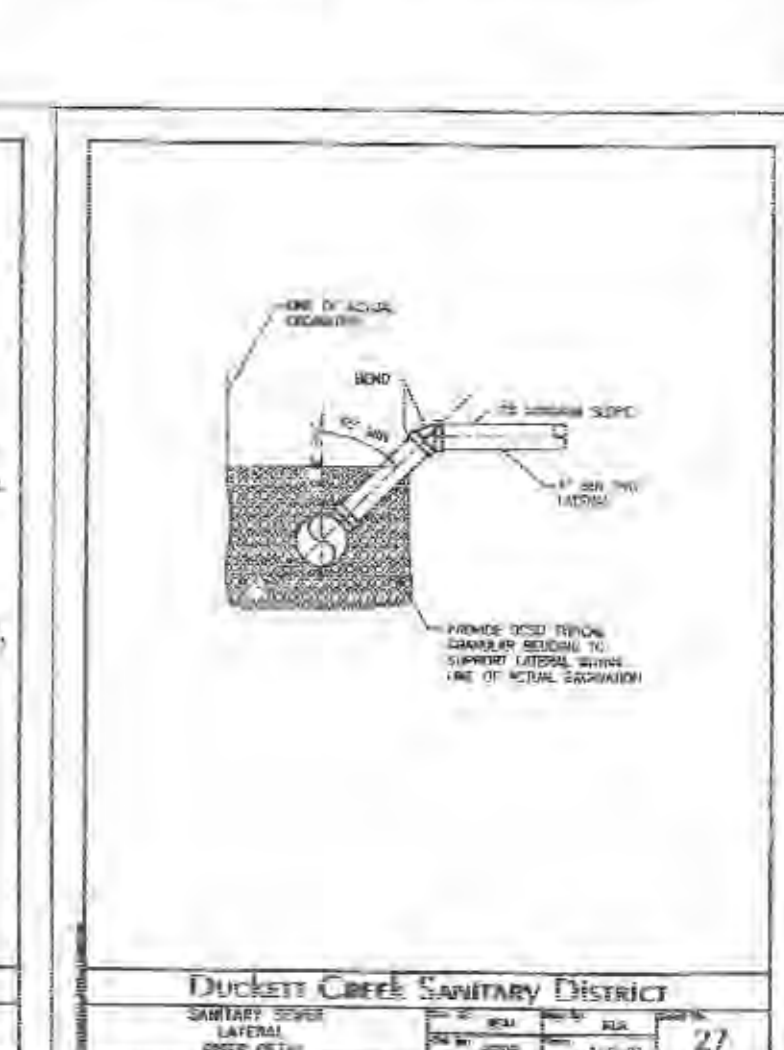
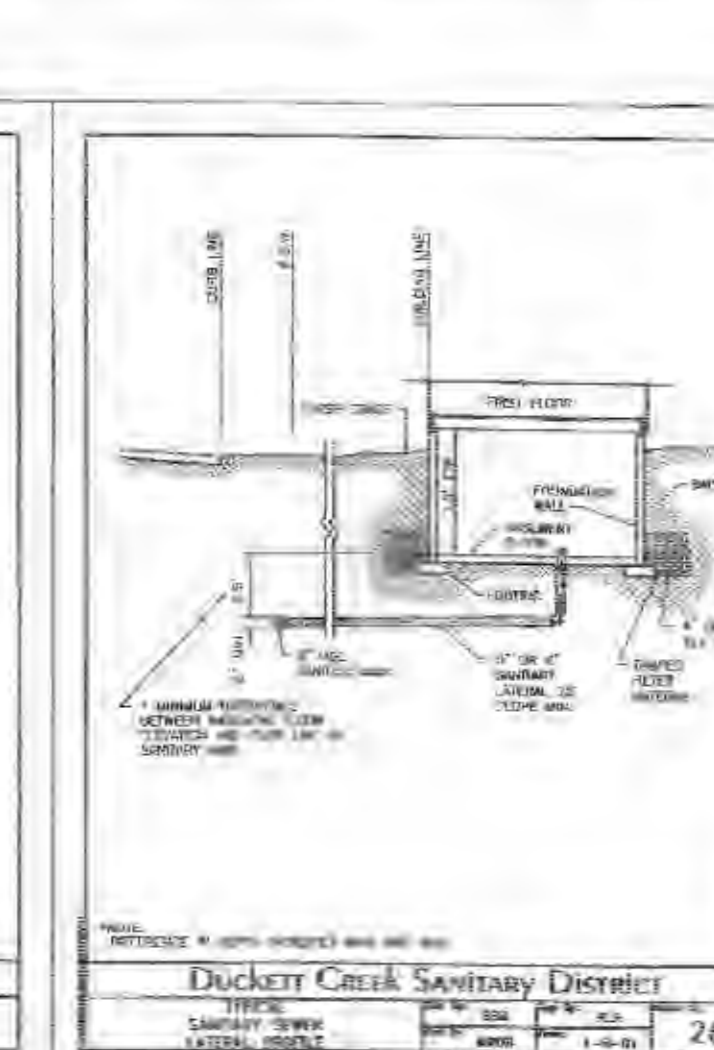
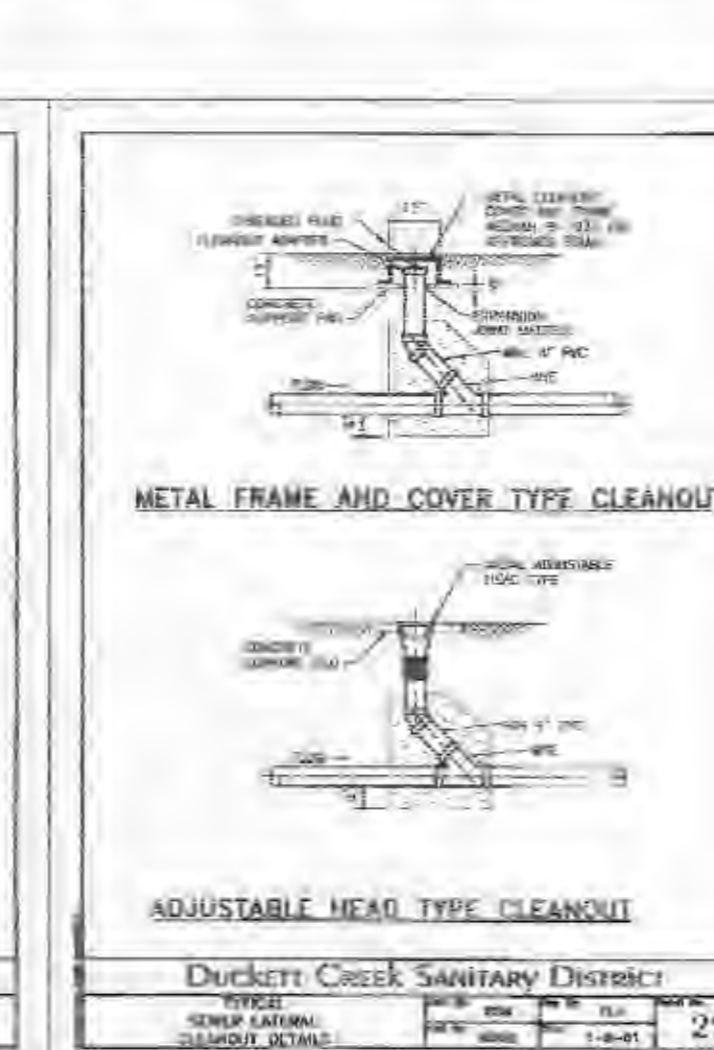
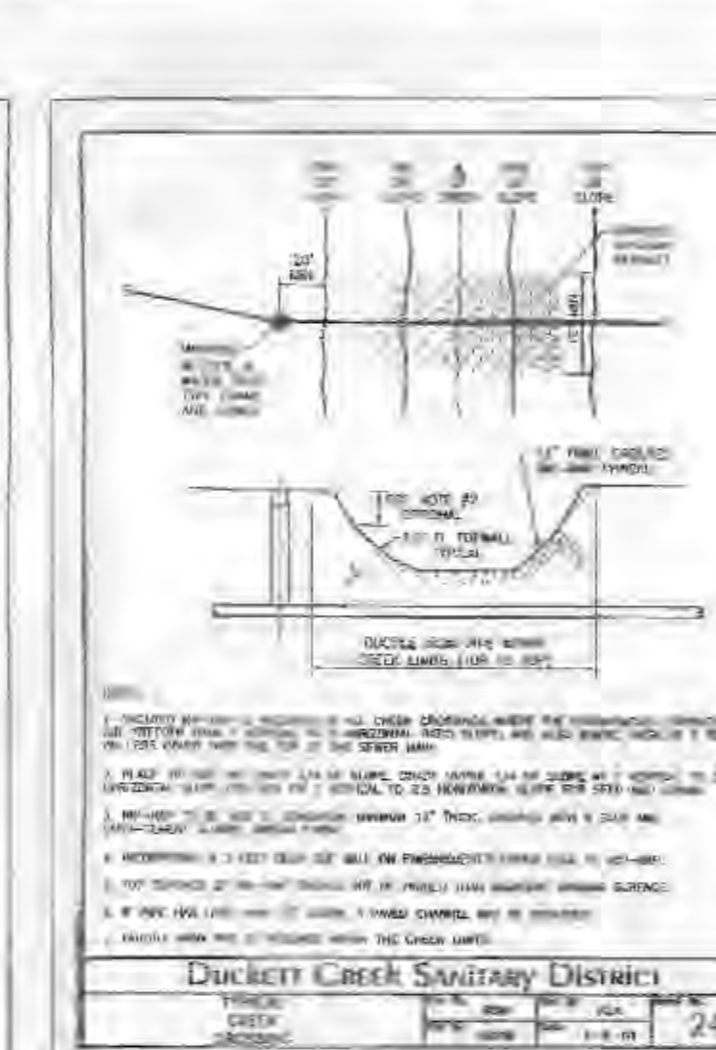
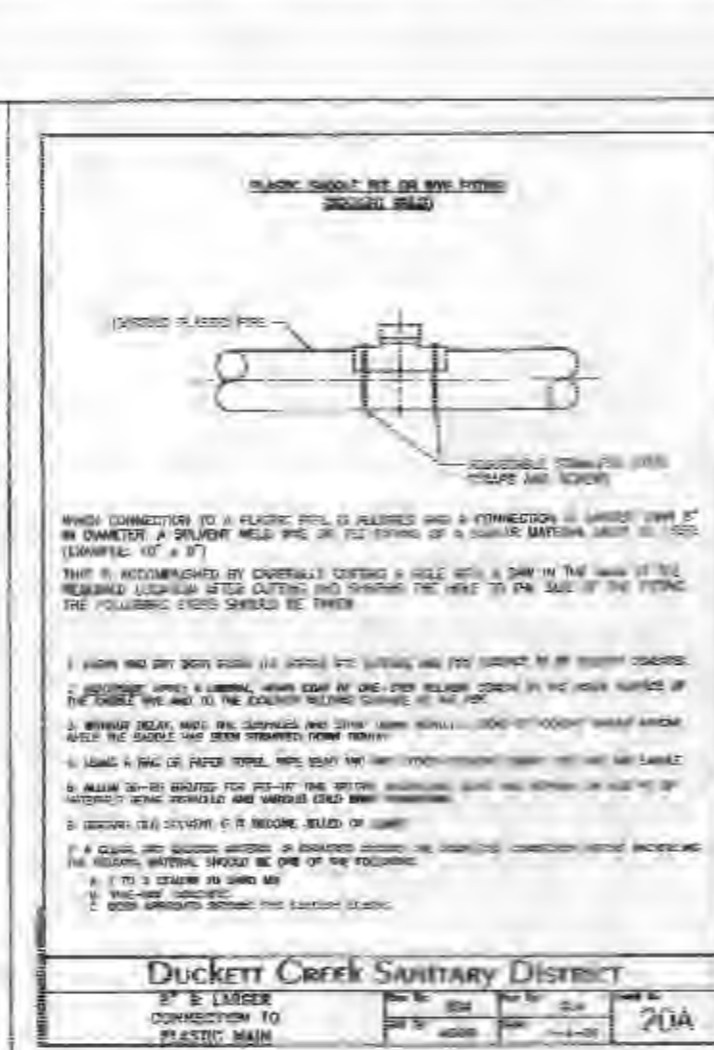
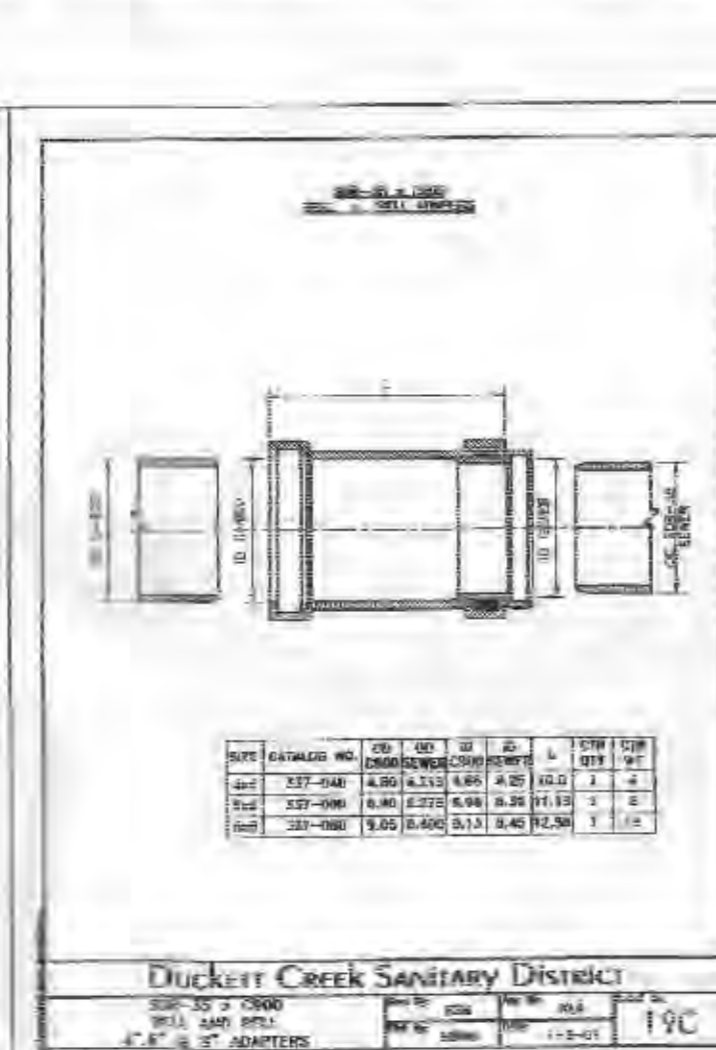
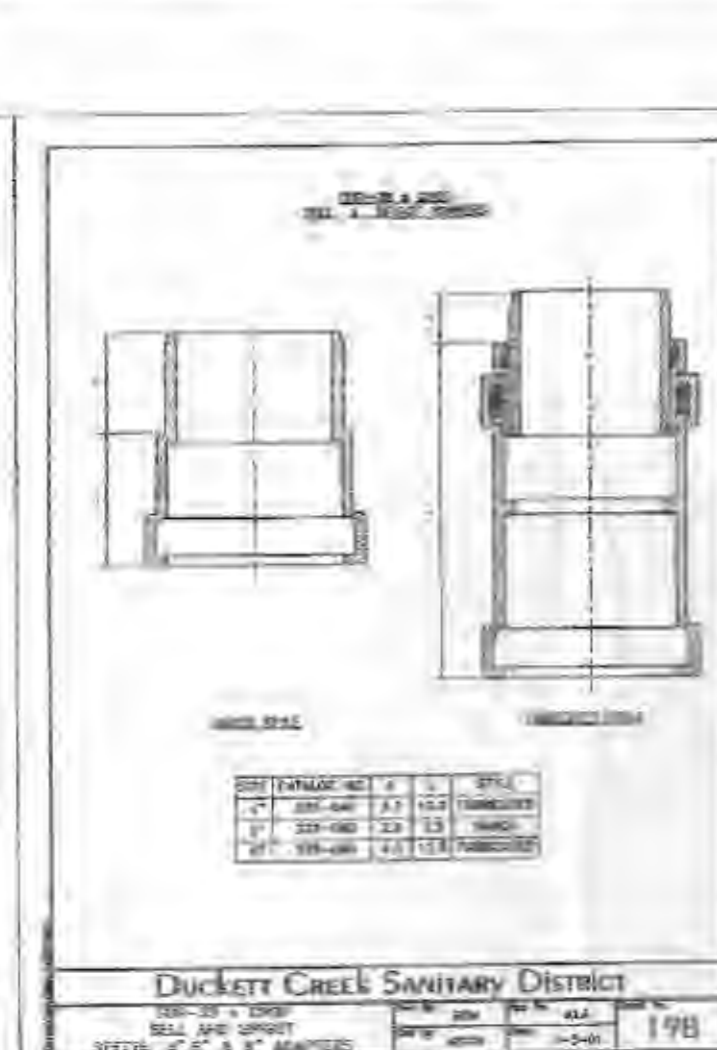
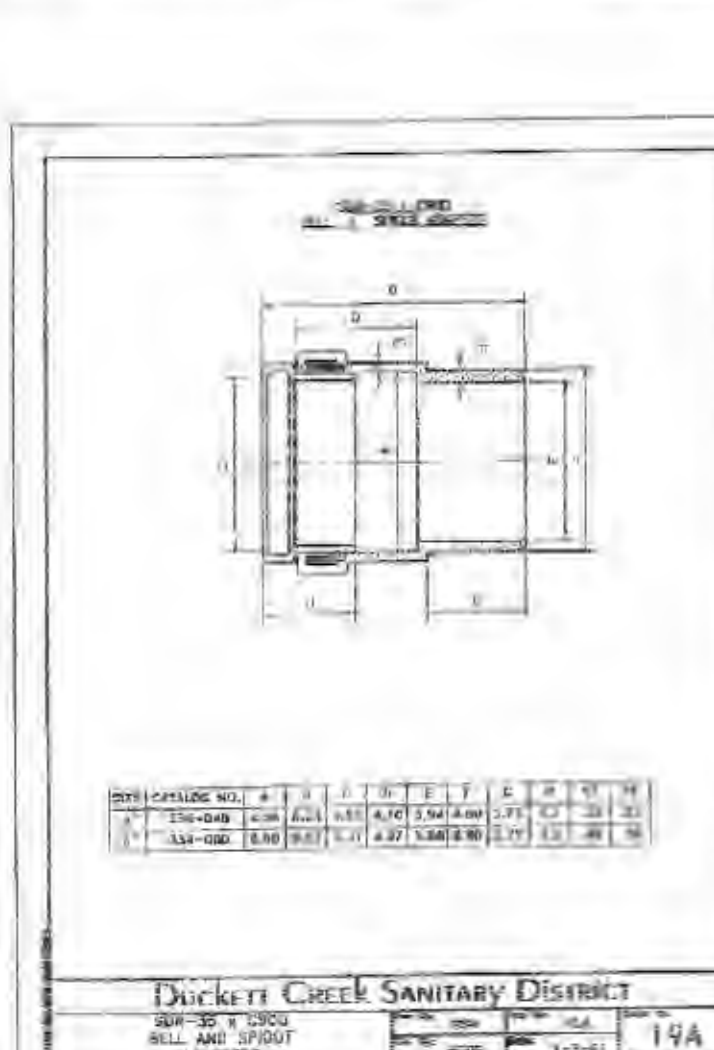
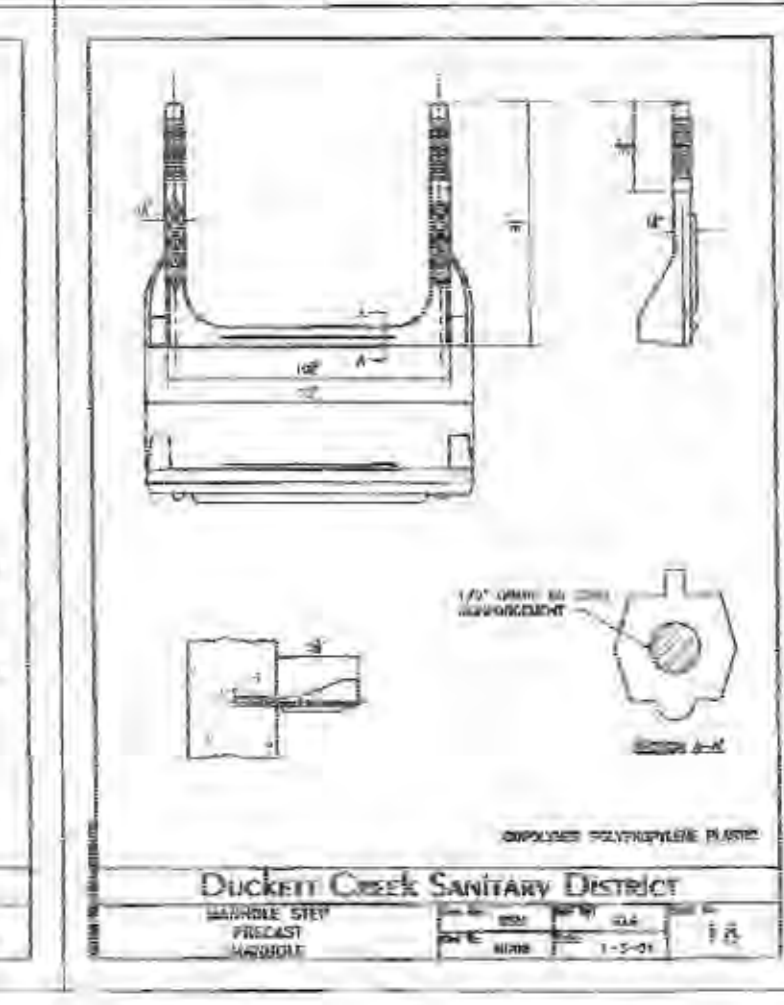
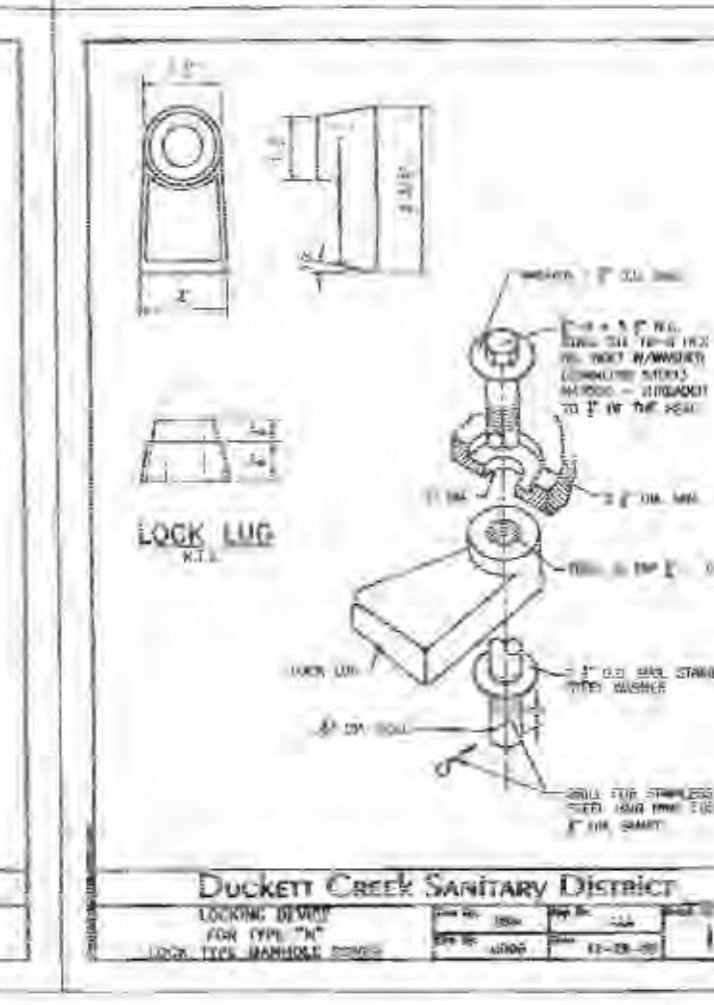
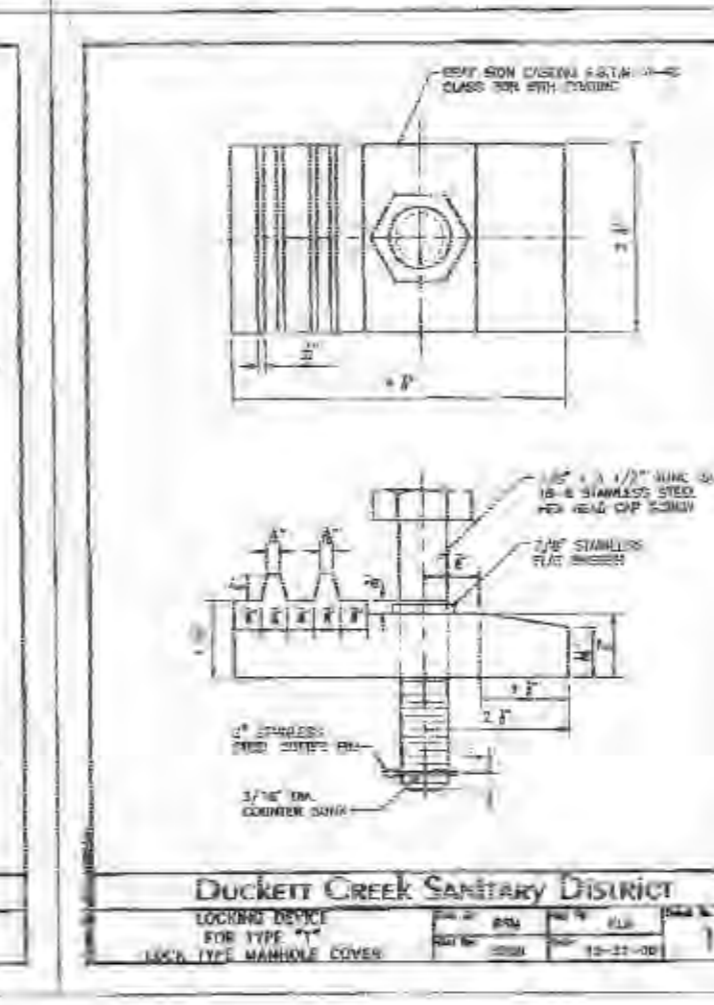
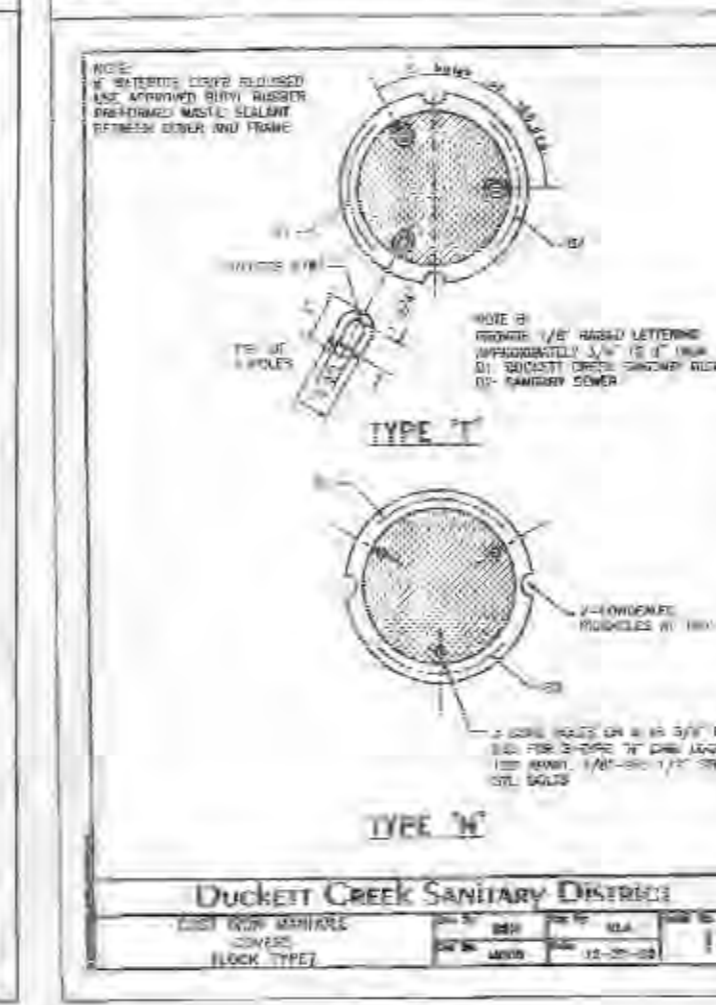
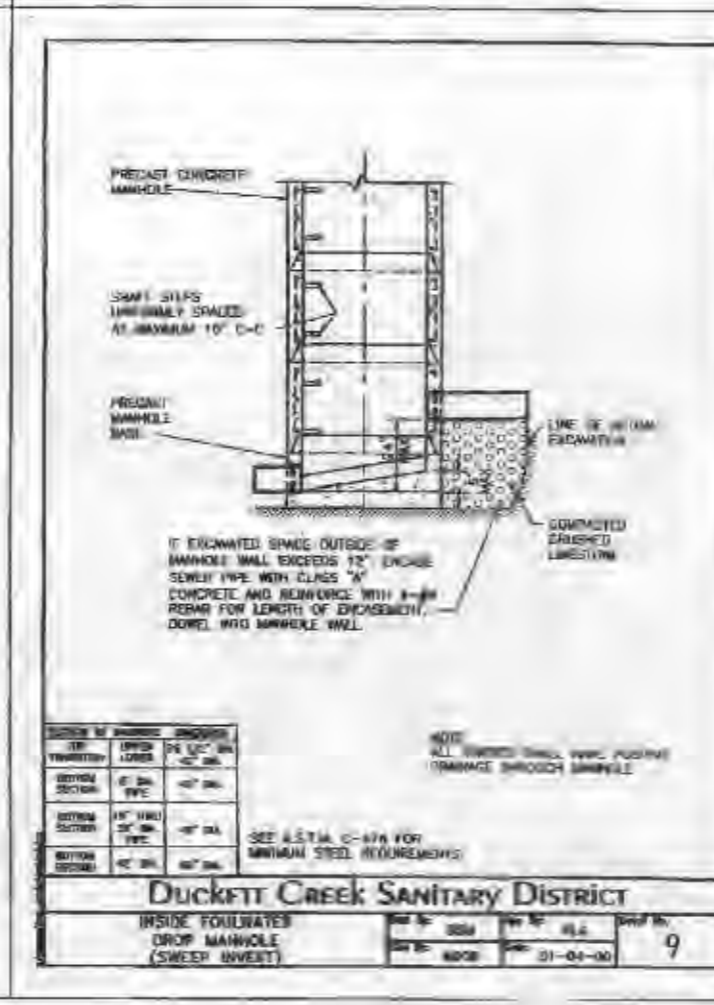
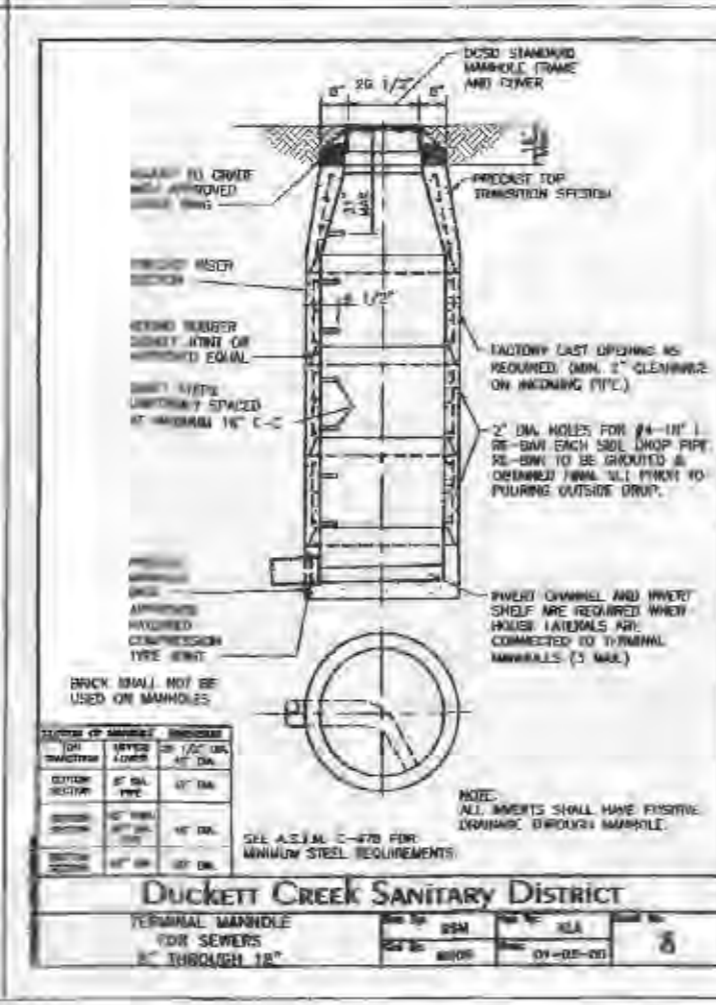
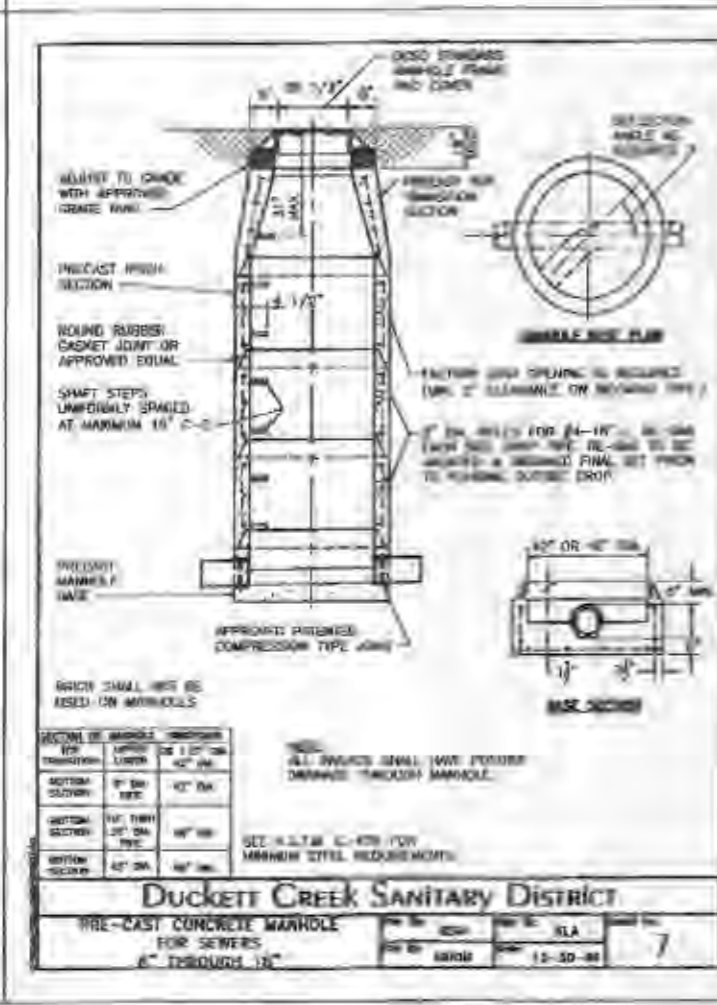
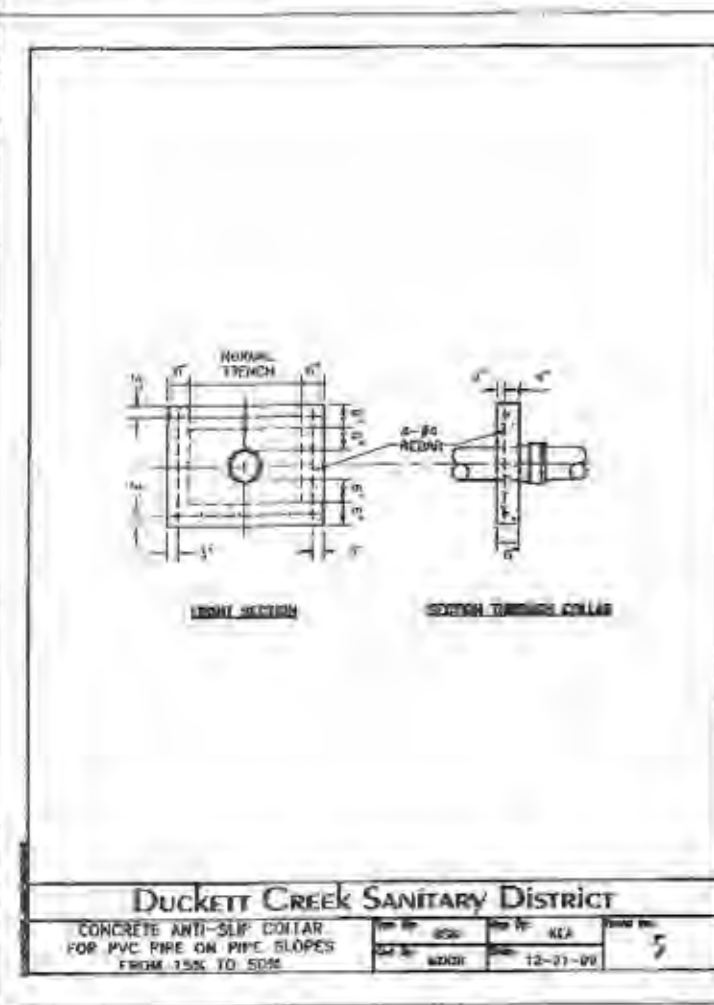
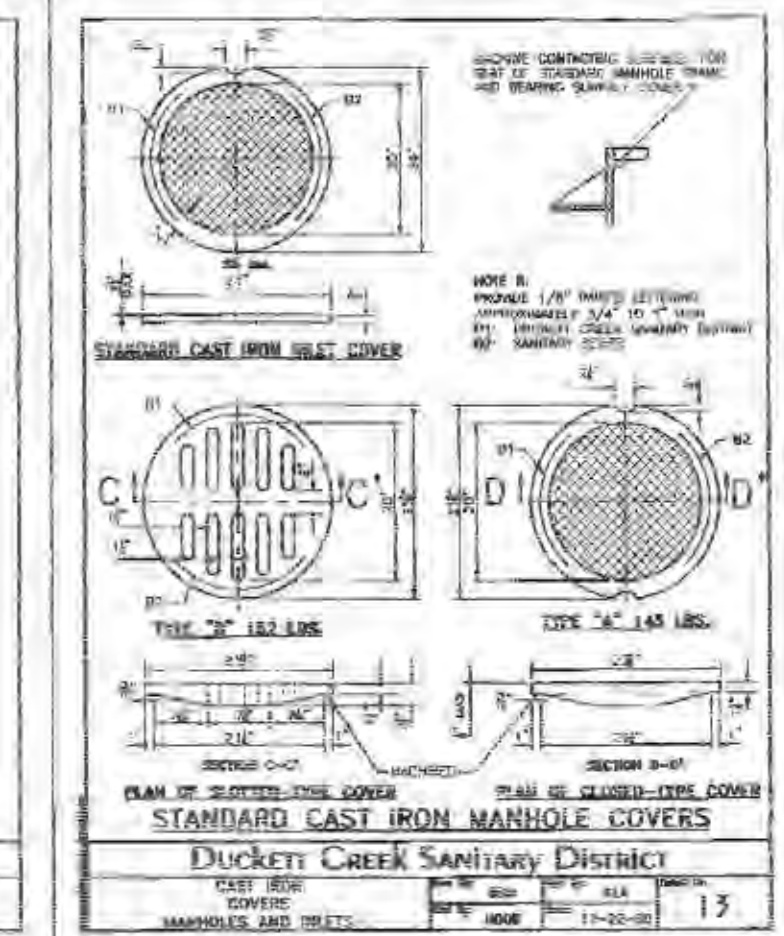
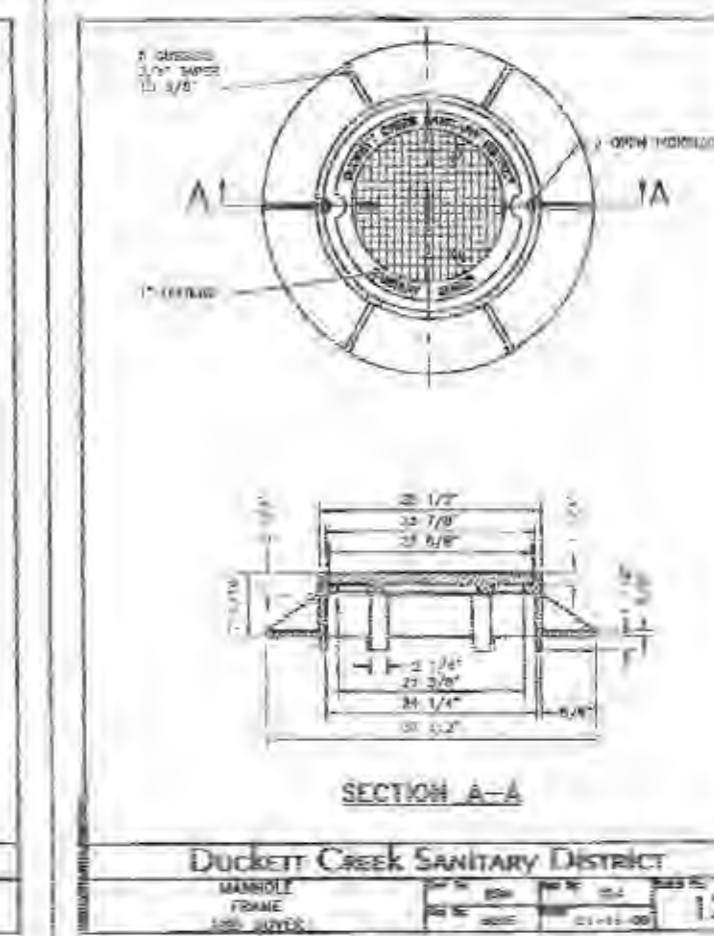
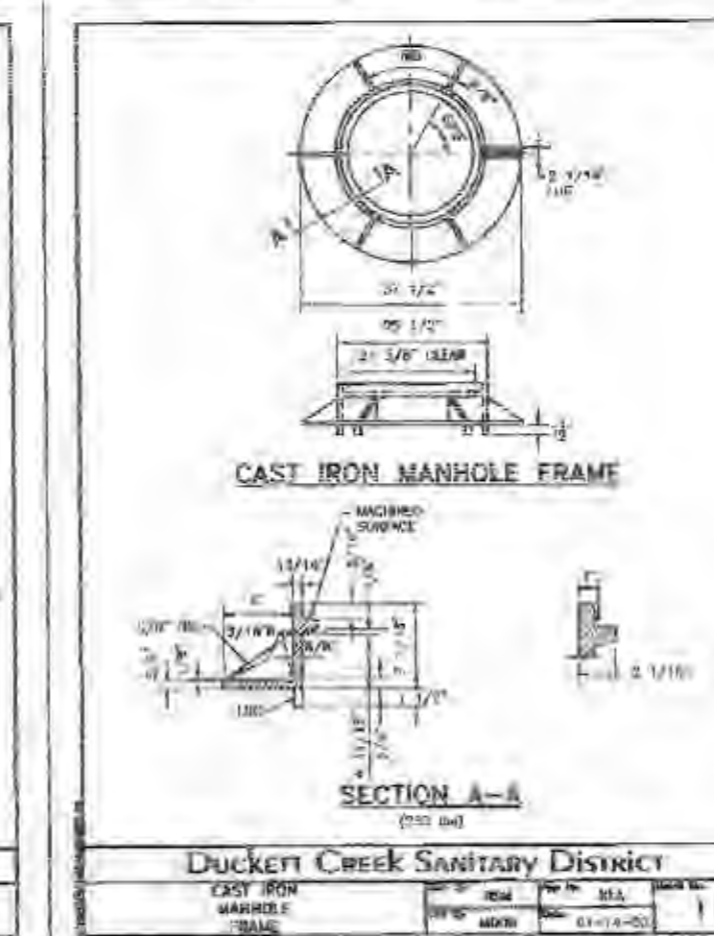
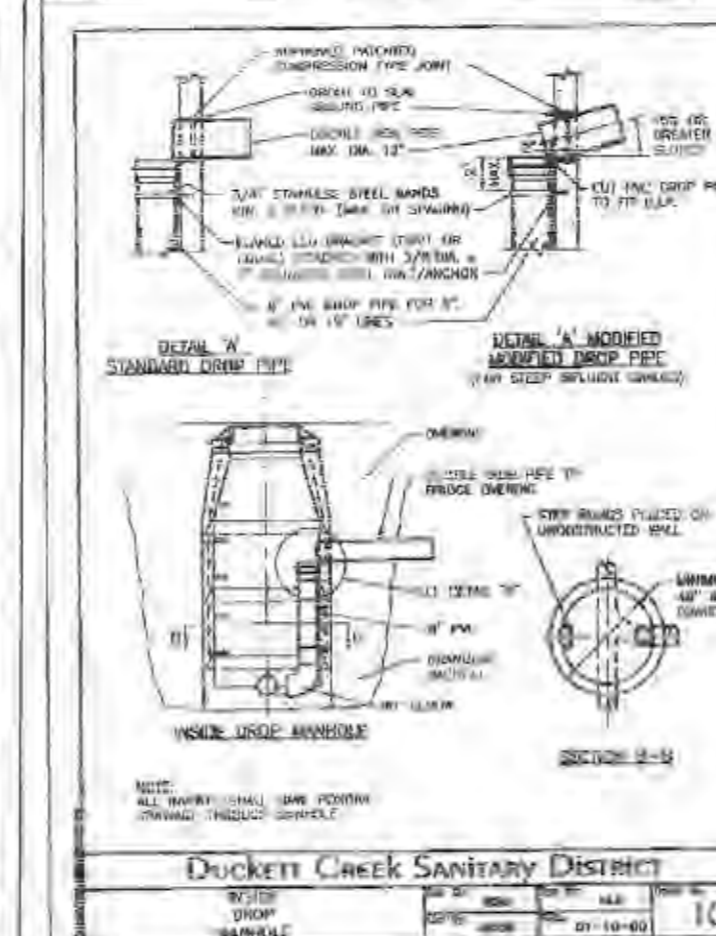
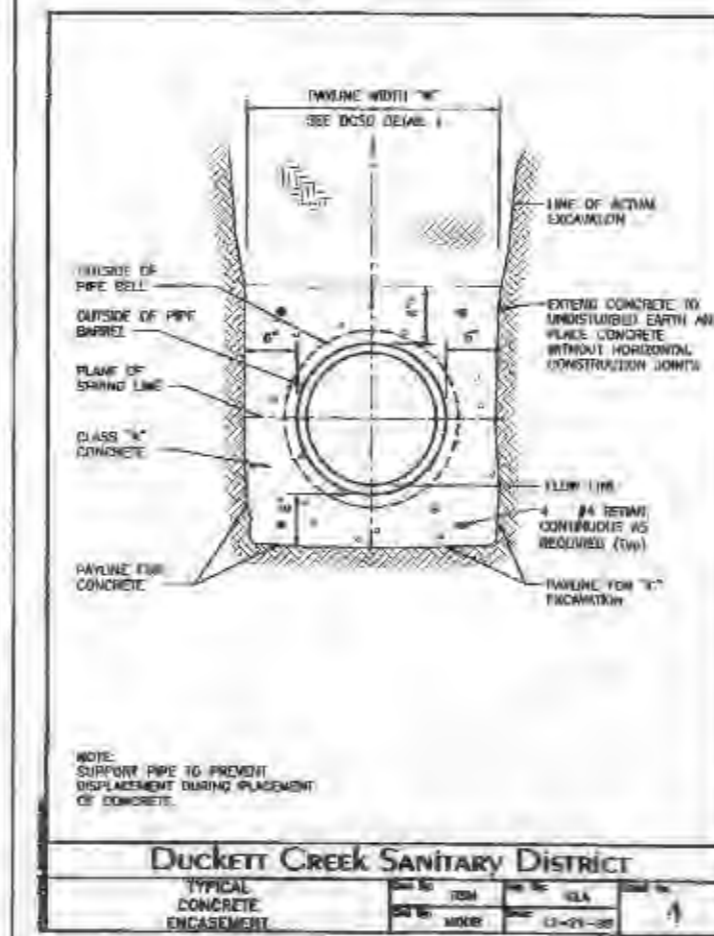
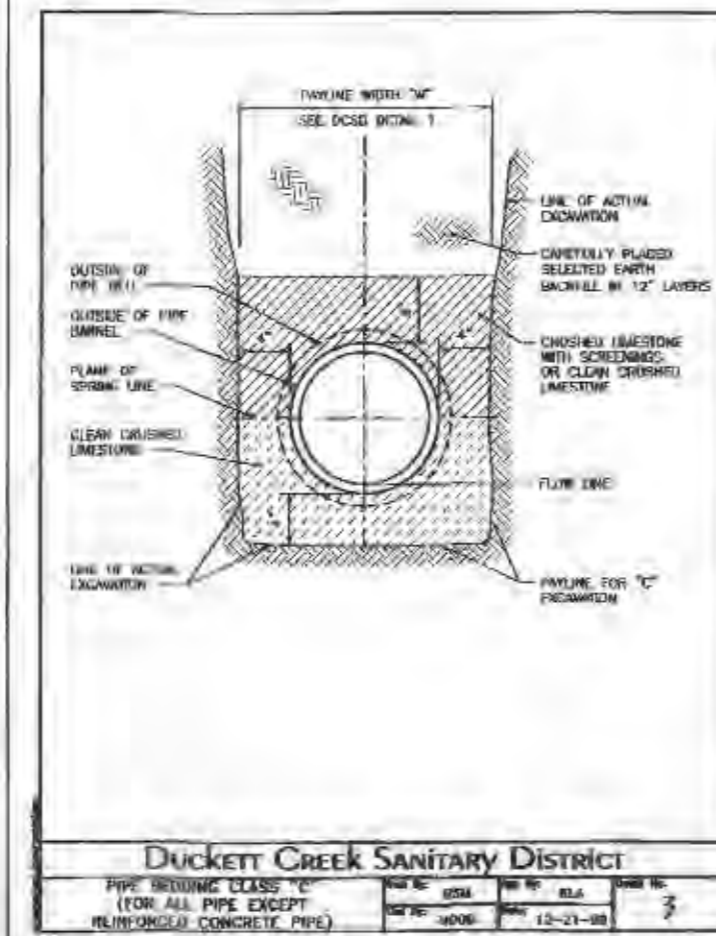
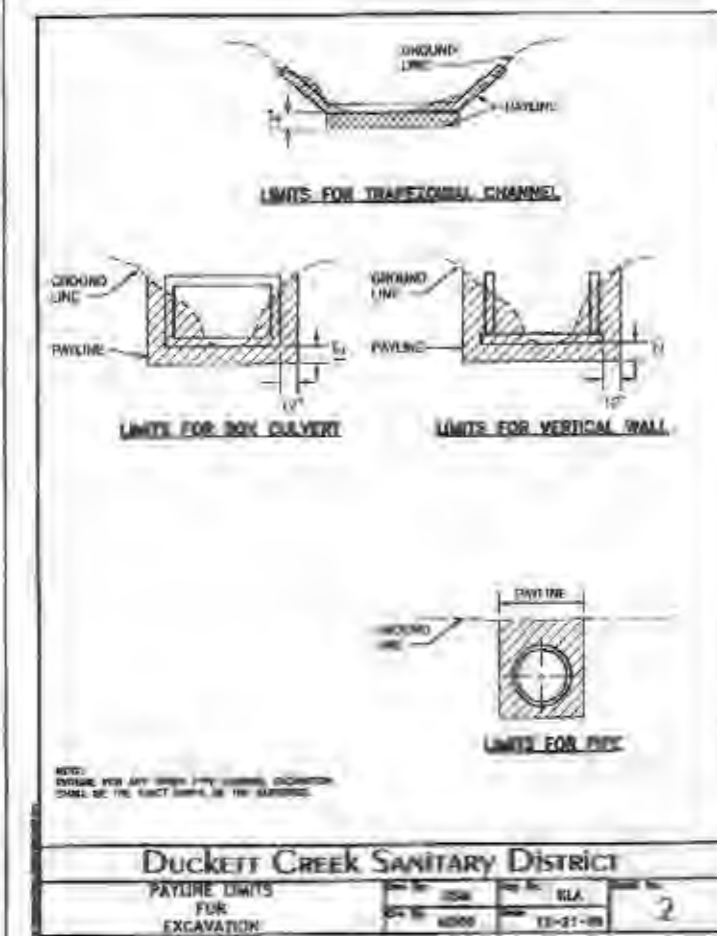
30" W. UTILITY ESMAT  
P.B. 25, PG. 177

PROPERTY N/S OF  
MICHON T. AND DISCHARGE HERE  
333/7701

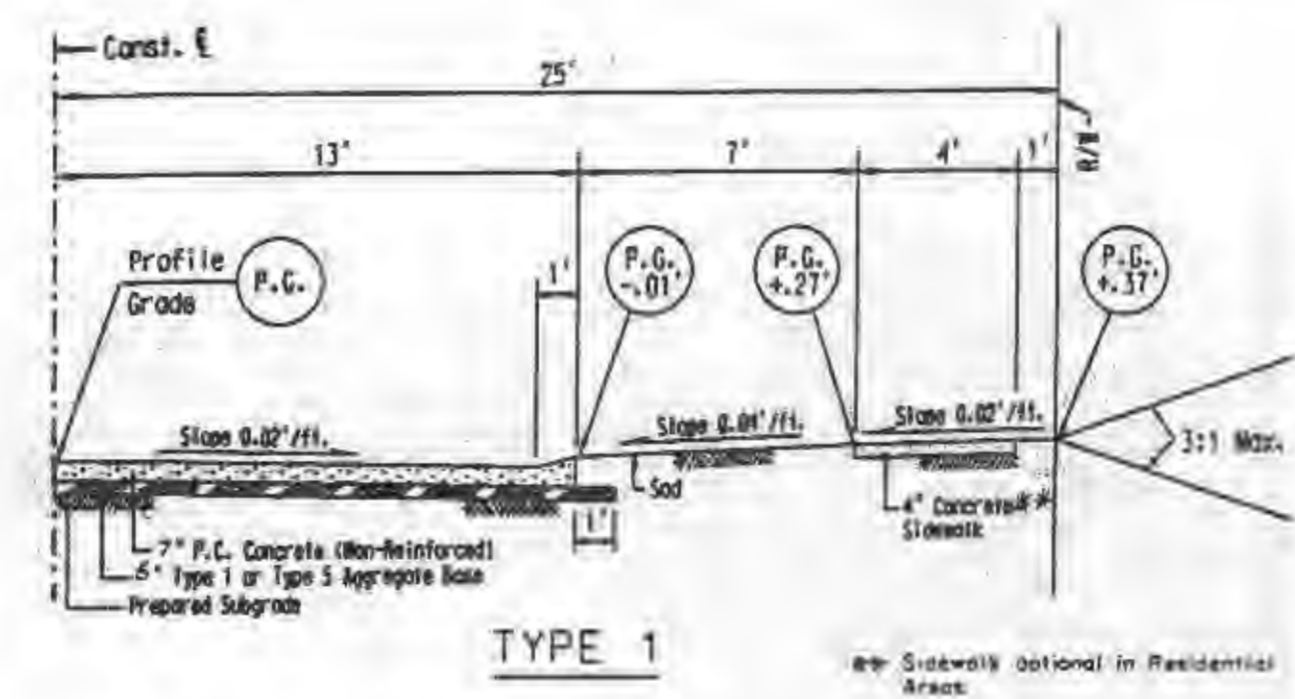
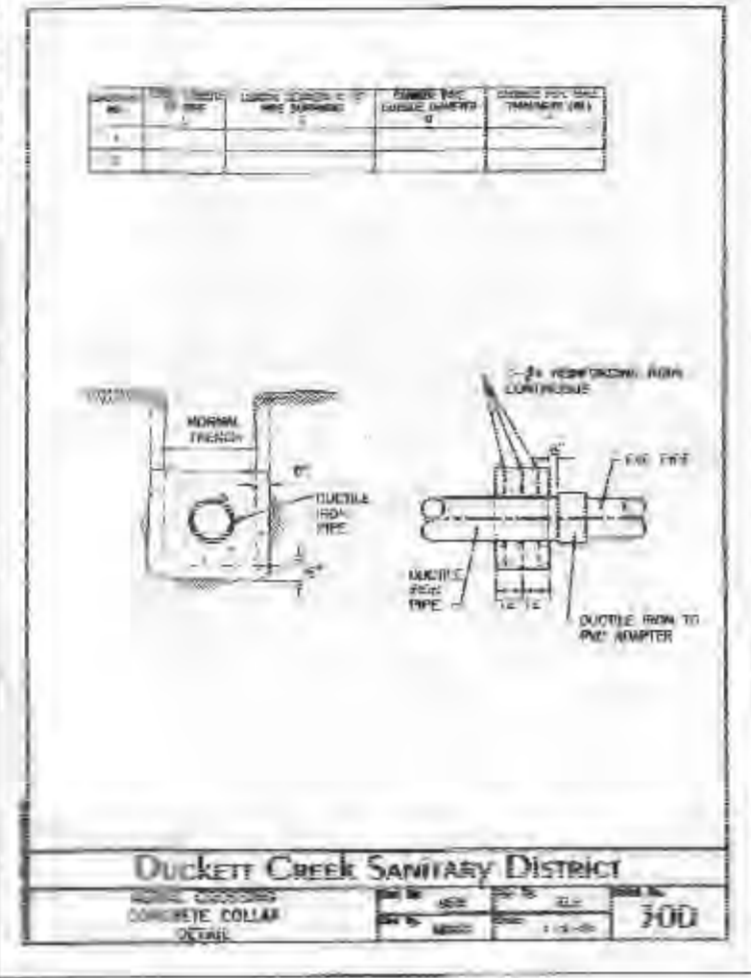
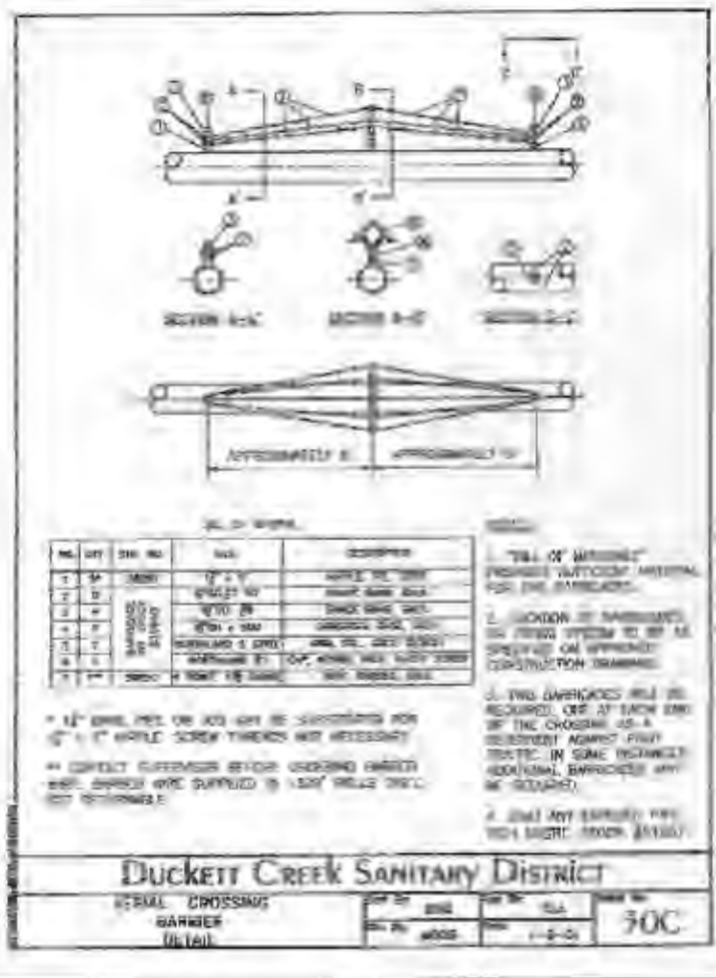
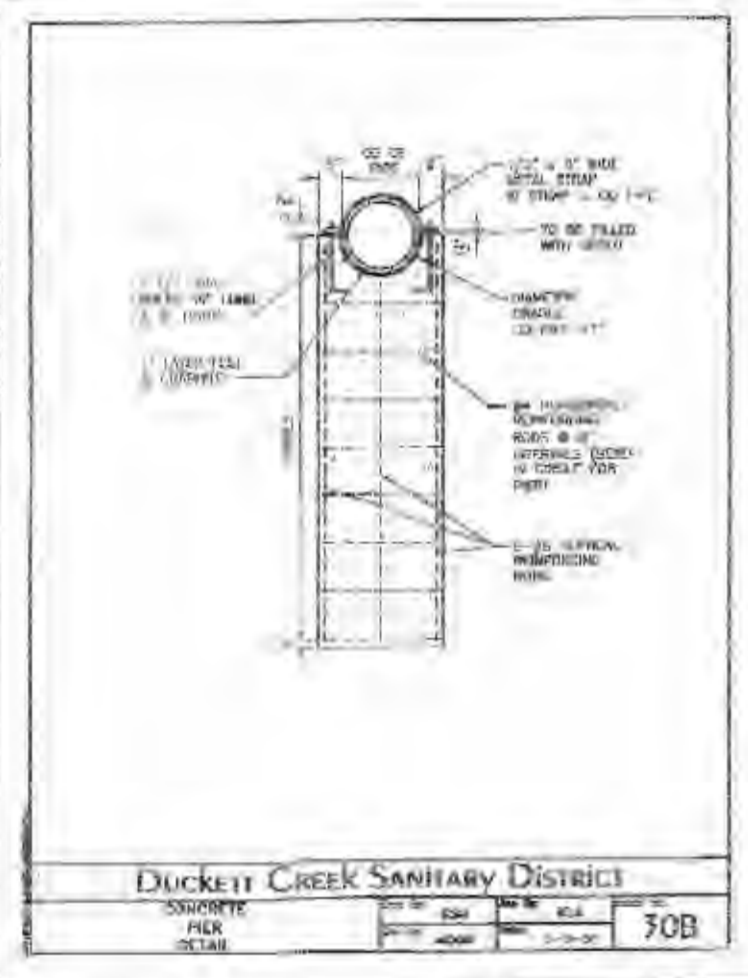
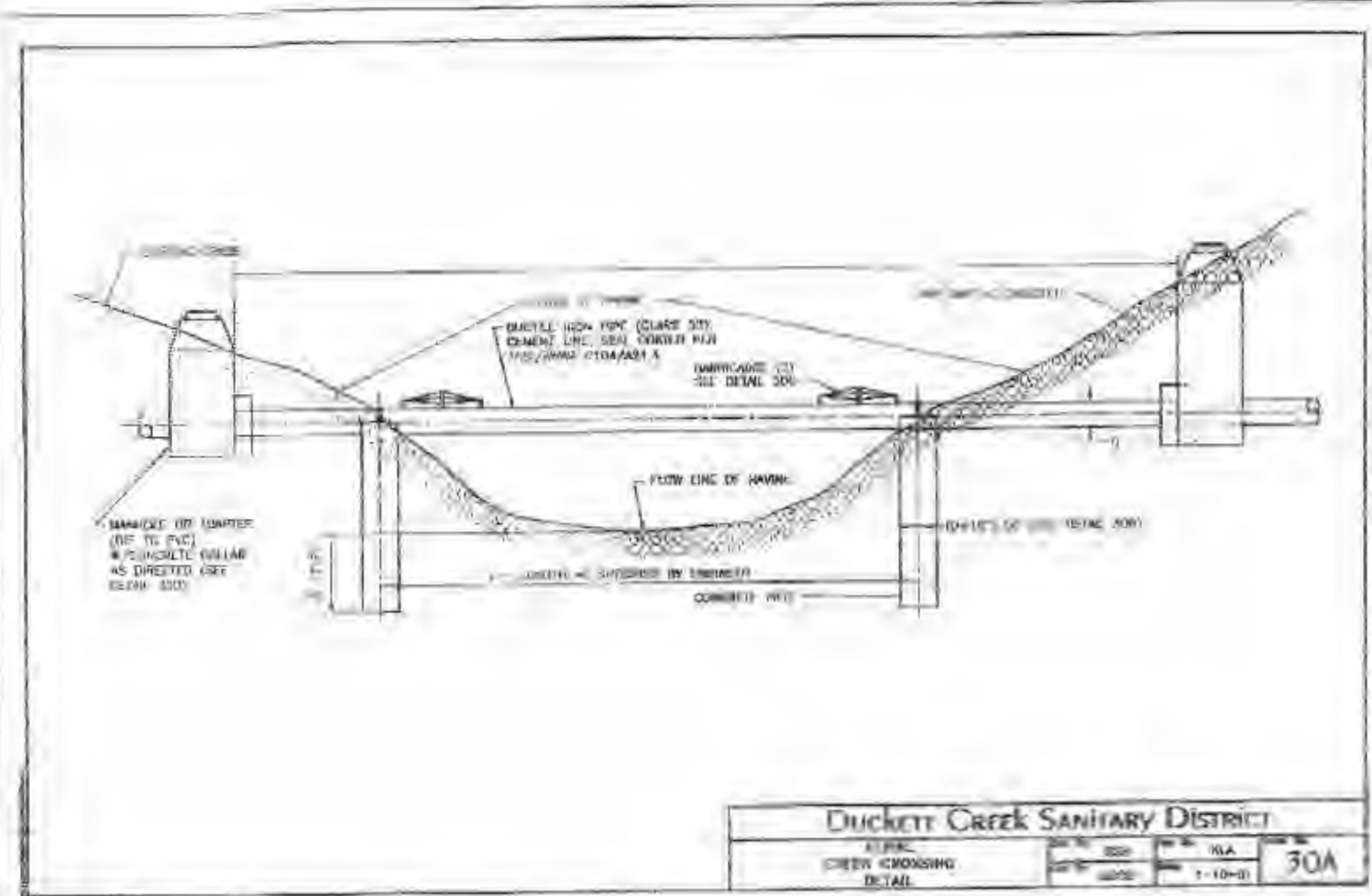
PROPERTY N/E OF  
CUBS, T. AND MARY, L.D. 4874  
49/2385



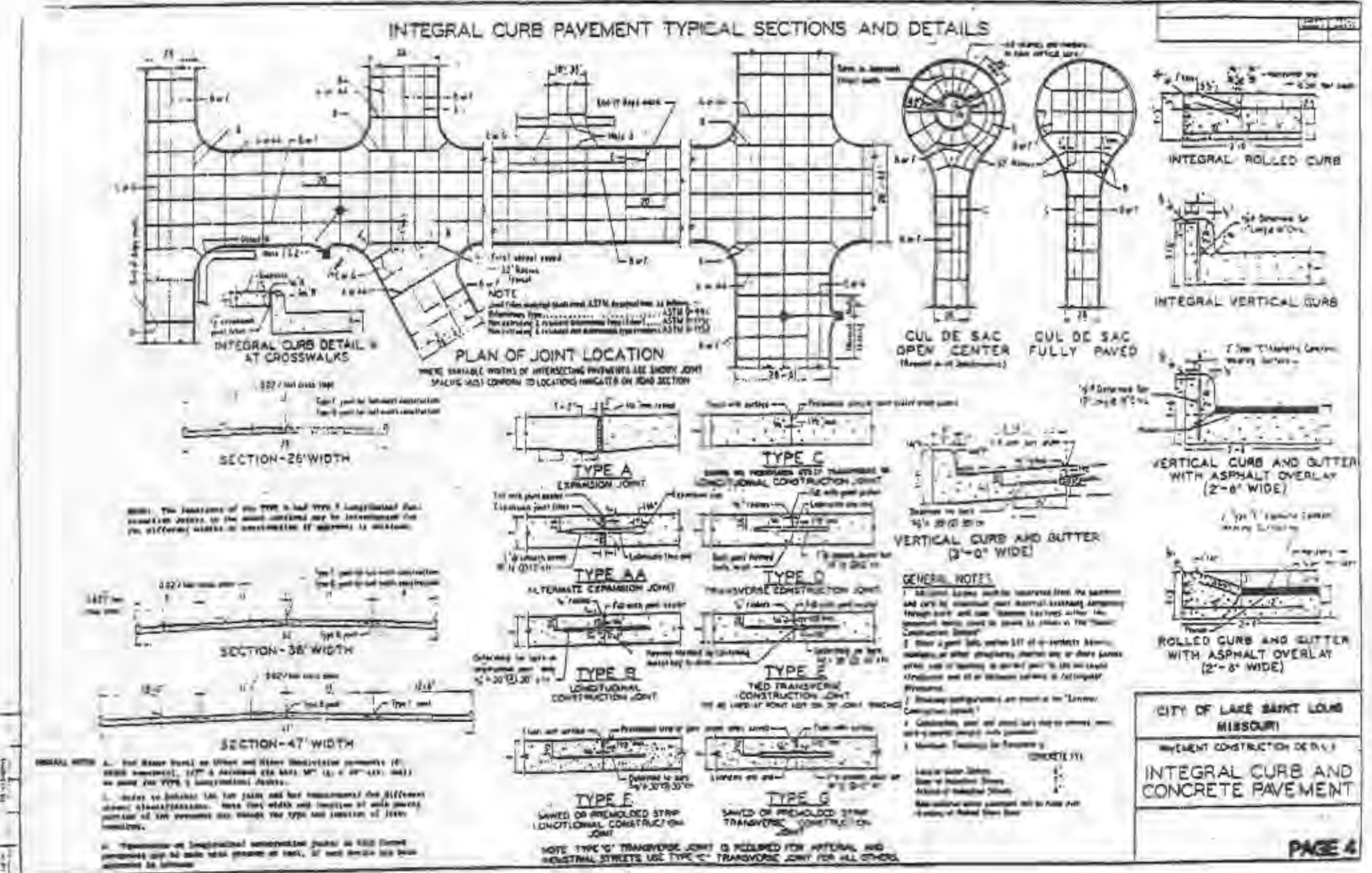
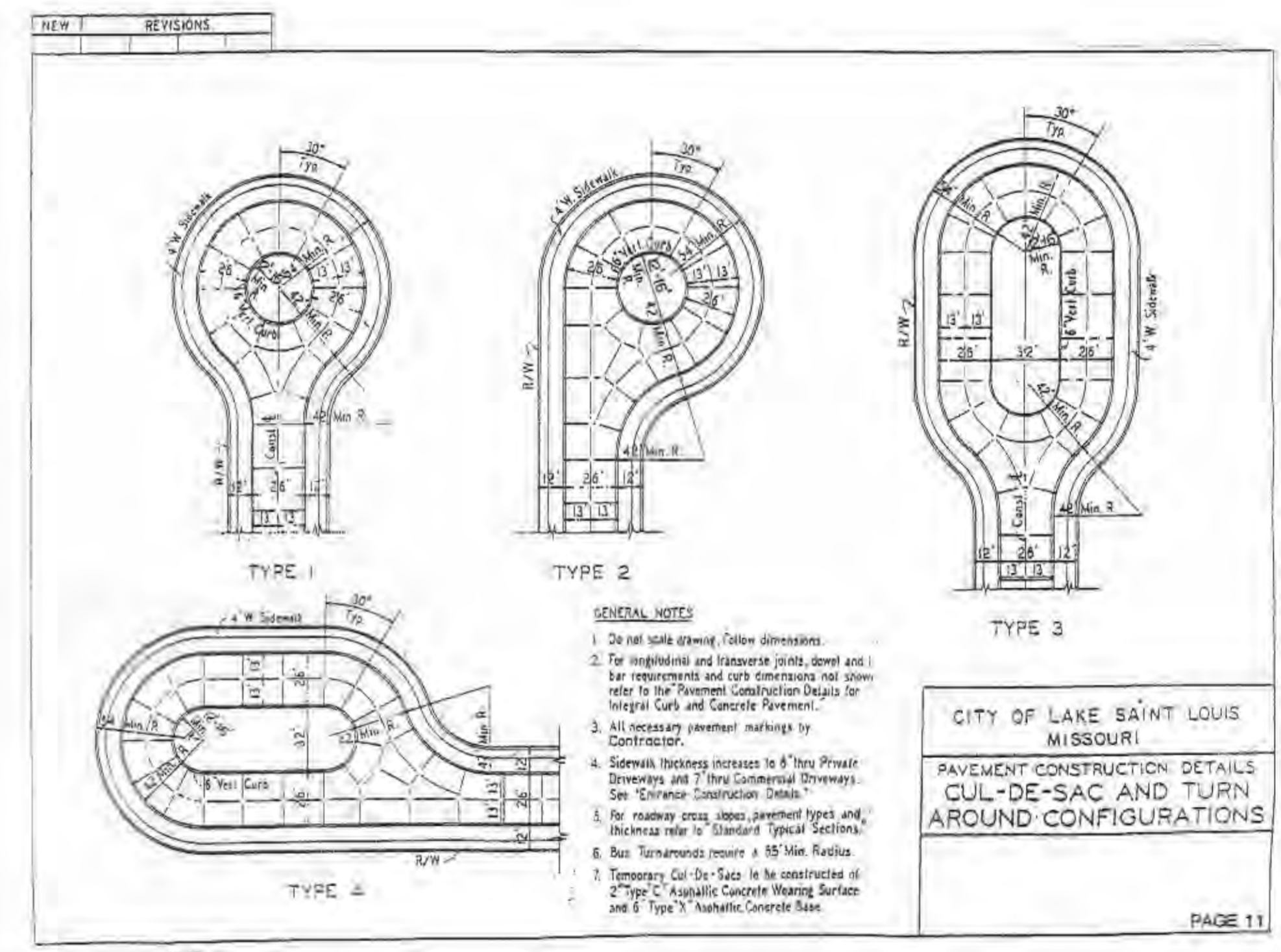
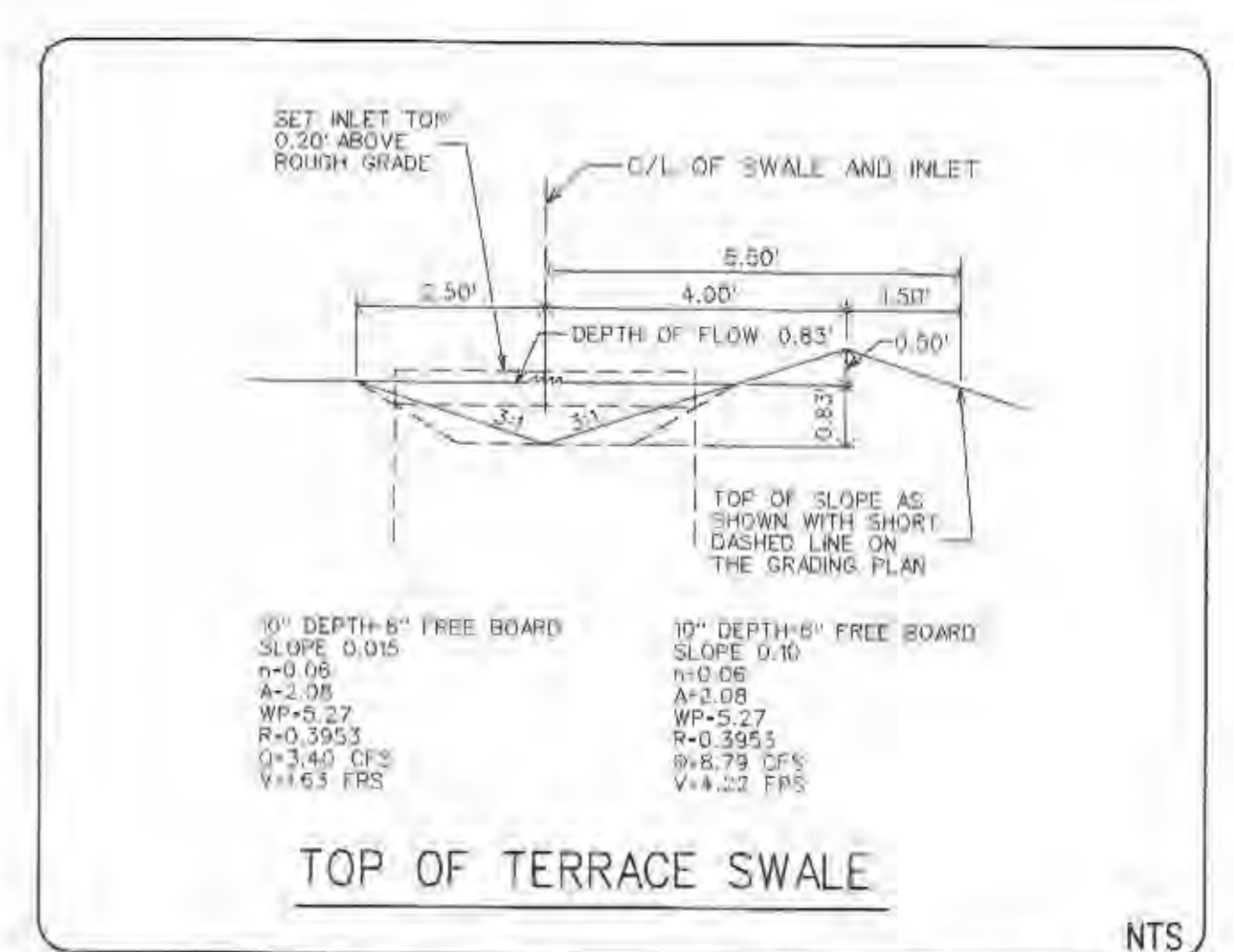
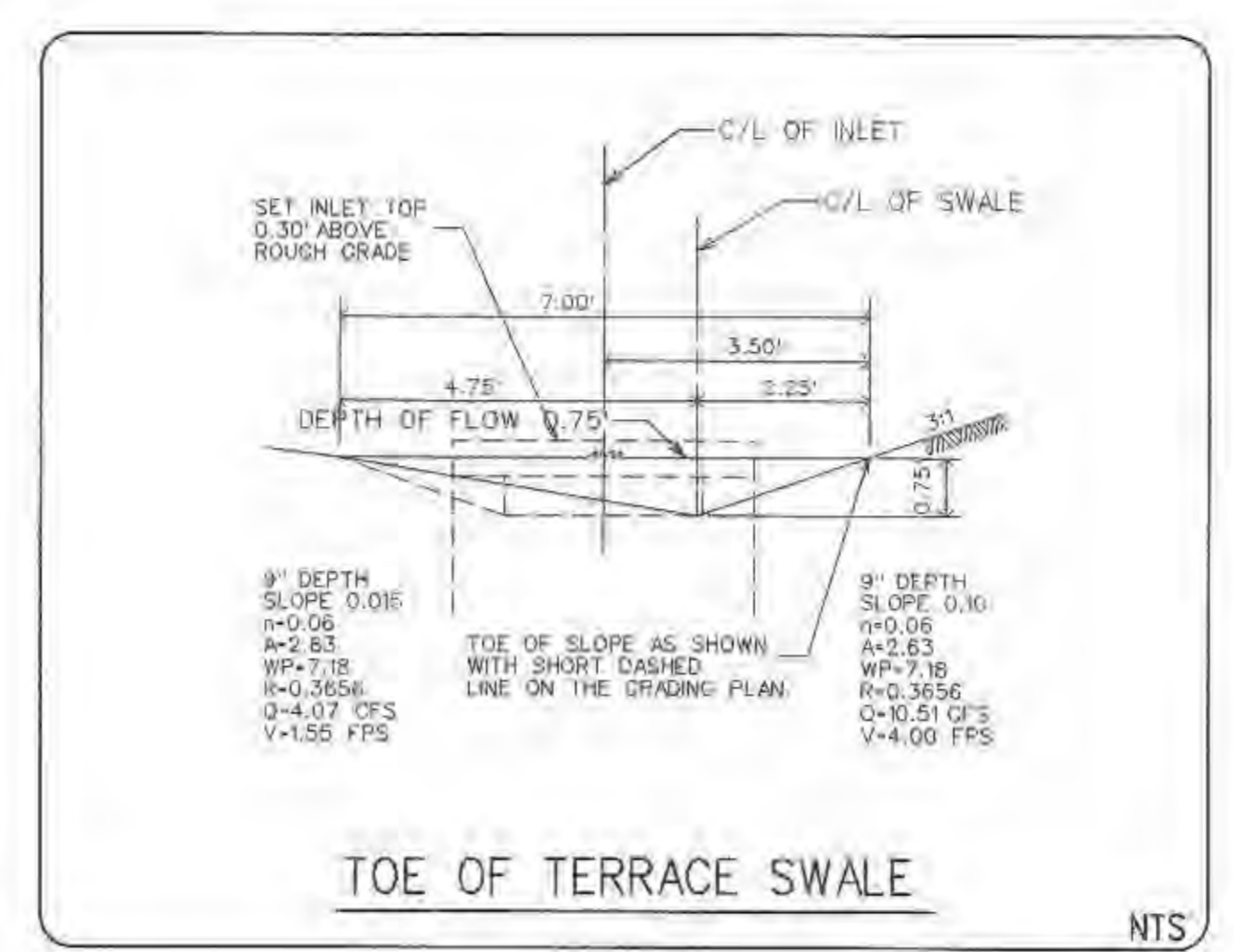
ROUND PIPE		HORIZONTAL ELLIPTICAL PIPE	
DEPTH OF TRENCH (INCHES)	MINIMUM COVER (INCHES)	DEPTH OF TRENCH (INCHES)	MINIMUM COVER (INCHES)
1	1.50	1	1.50
2	2.00	2	2.00
3	2.50	3	2.50
4	3.00	4	3.00
5	3.50	5	3.50
6	4.00	6	4.00
7	4.50	7	4.50
8	5.00	8	5.00
9	5.50	9	5.50
10	6.00	10	6.00
11	6.50	11	6.50
12	7.00	12	7.00
13	7.50	13	7.50
14	8.00	14	8.00
15	8.50	15	8.50
16	9.00	16	9.00
17	9.50	17	9.50
18	10.00	18	10.00
19	10.50	19	10.50
20	11.00	20	11.00
21	11.50	21	11.50
22	12.00	22	12.00
23	12.50	23	12.50
24	13.00	24	13.00
25	13.50	25	13.50
26	14.00	26	14.00
27	14.50	27	14.50
28	15.00	28	15.00
29	15.50	29	15.50
30	16.00	30	16.00
31	16.50	31	16.50
32	17.00	32	17.00
33	17.50	33	17.50
34	18.00	34	18.00
35	18.50	35	18.50
36	19.00	36	19.00
37	19.50	37	19.50
38	20.00	38	20.00
39	20.50	39	20.50
40	21.00	40	21.00
41	21.50	41	21.50
42	22.00	42	22.00
43	22.50	43	22.50
44	23.00	44	23.00
45	23.50	45	23.50
46	24.00	46	24.00
47	24.50	47	24.50
48	25.00	48	25.00
49	25.50	49	25.50
50	26.00	50	26.00
51	26.50	51	26.50
52	27.00	52	27.00
53	27.50	53	27.50
54	28.00	54	28.00
55	28.50	55	28.50
56	29.00	56	29.00
57	29.50	57	29.50
58	30.00	58	30.00
59	30.50	59	30.50
60	31.00	60	31.00
61	31.50	61	31.50
62	32.00	62	32.00
63	32.50	63	32.50
64	33.00	64	33.00
65	33.50	65	33.50
66	34.00	66	34.00
67	34.50	67	34.50
68	35.00	68	35.00
69	35.50	69	35.50
70	36.00	70	36.00
71	36.50	71	36.50
72	37.00	72	37.00
73	37.50	73	37.50
74	38.00	74	38.00
75	38.50	75	38.50
76	39.00	76	39.00
77	39.50	77	39.50
78	40.00	78	40.00
79	40.50	79	40.50
80	41.00	80	41.00
81	41.50	81	41.50
82	42.00	82	42.00
83	42.50	83	42.50
84	43.00	84	43.00
85	43.50	85	43.50
86	44.00	86	44.00
87	44.50	87	44.50
88	45.00	88	45.00
89	45.50	89	45.50
90	46.00	90	46.00
91	46.50	91	46.50
92	47.00	92	47.00
93	47.50	93	47.50
94	48.00	94	48.00
95	48.50	95	48.50
96	49.00	96	49.00
97	49.50	97	49.50
98	50.00	98	50.00
99	50.50	99	50.50
100	51.00	100	51.00



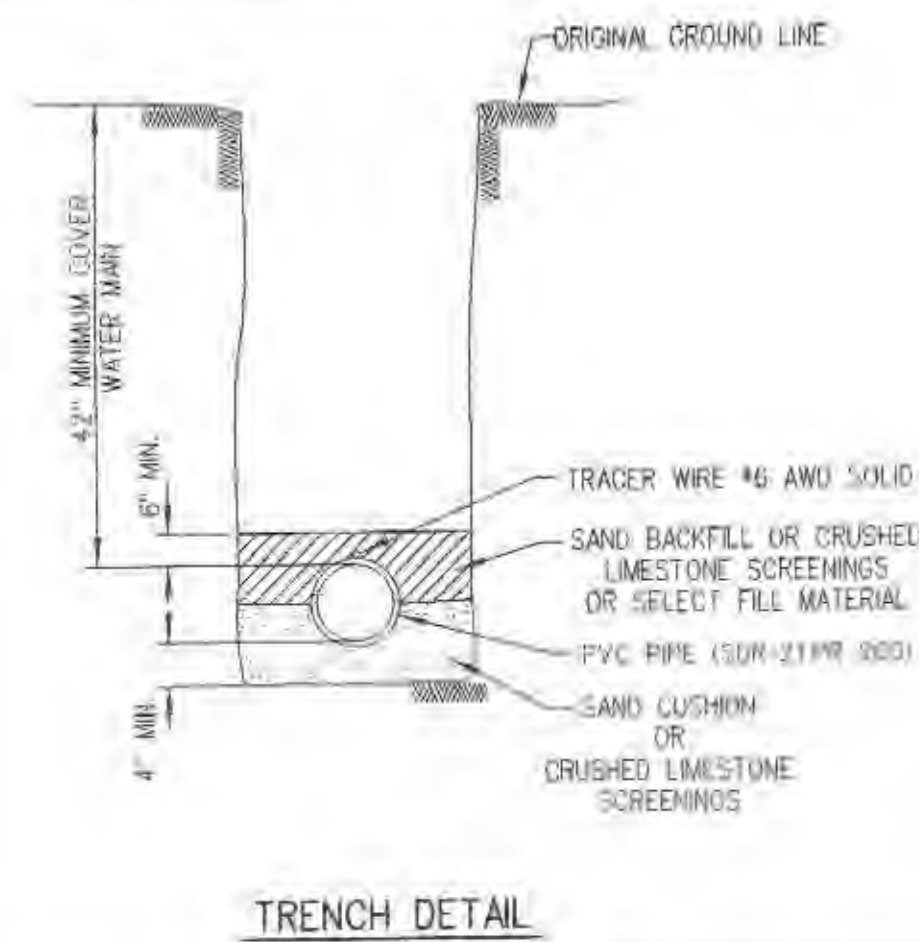




- GENERAL NOTES**
1. Do not scale drawing. Follow dimensions.
  2. Sections are symmetrical about construction centerline.
  3. For longitudinal and transverse joints, detail and bar requirements and curb dimensions not shown refer to the Pavement Construction Details for Integral Curb and Concrete Pavement.
  4. All necessary pavement markings by Contractor.
  5. Sections shown may not apply at intersections.
  6. Sidewalk thickness increases to 6" thru Private Driveways and 7" thru Commercial Driveways. See Entrance Construction Details.

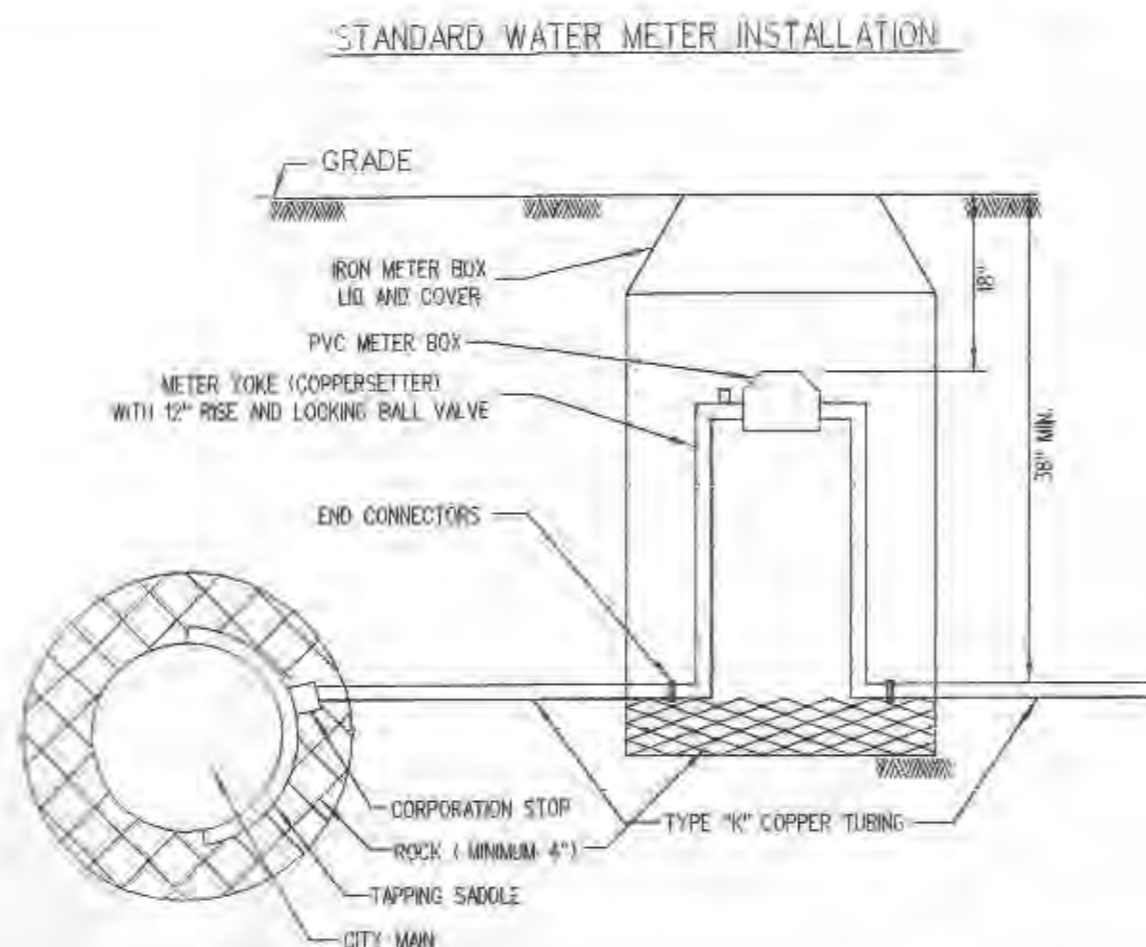






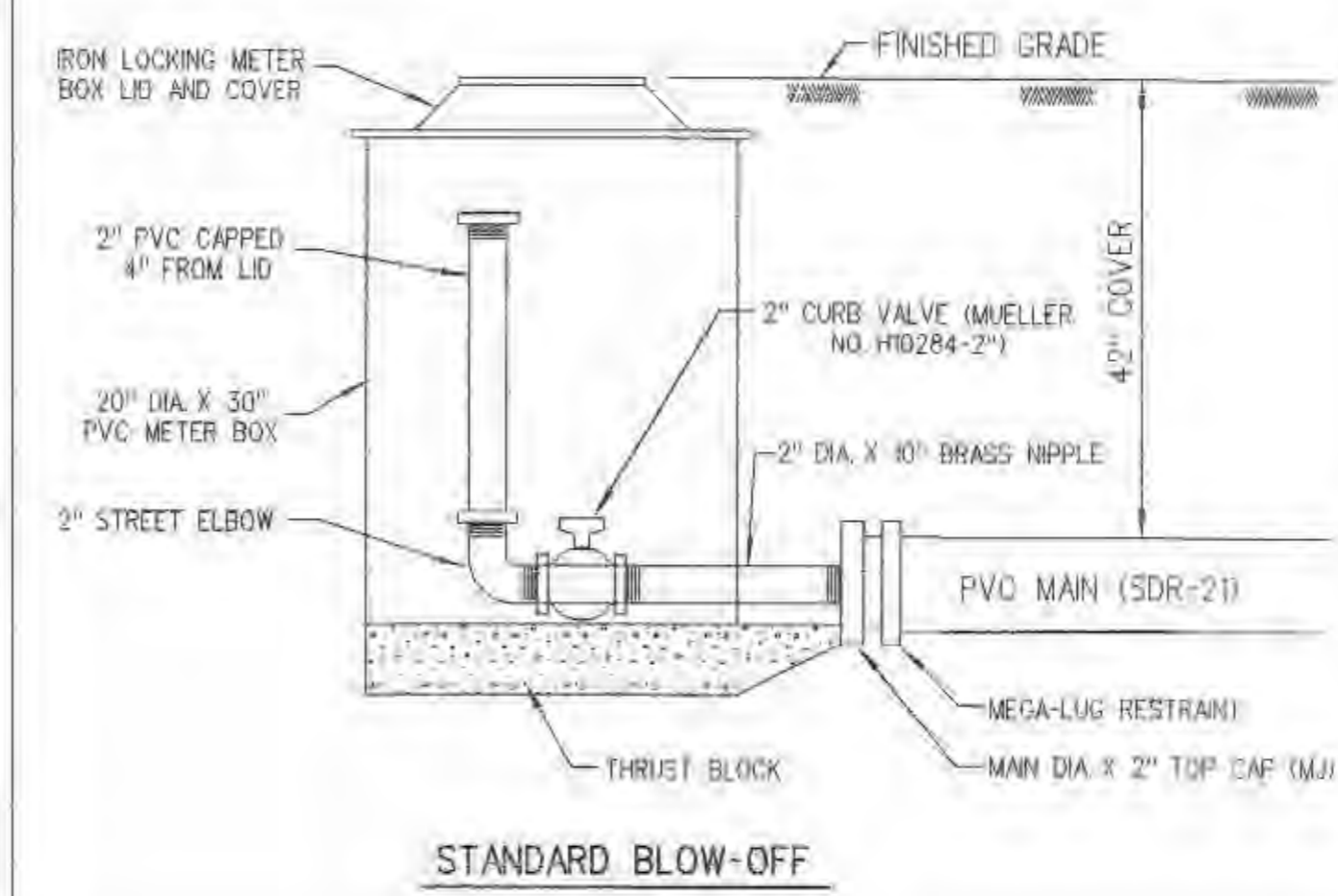
TRENCH DETAIL

TRACER WIRE #12 AWG SOLID

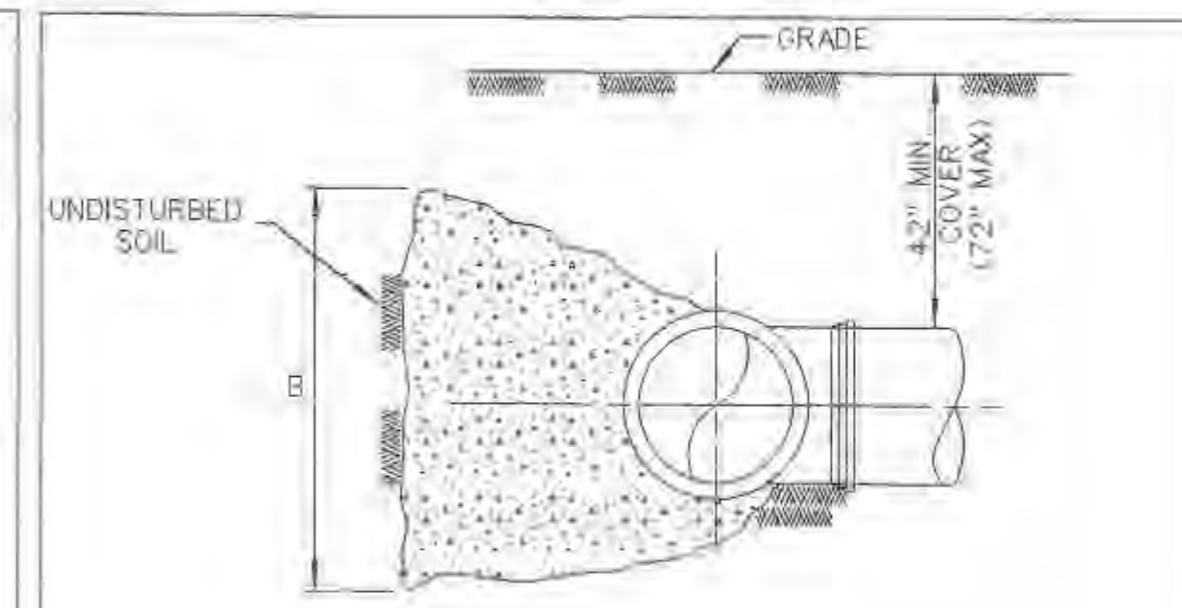


STANDARD WATER METER INSTALLATION

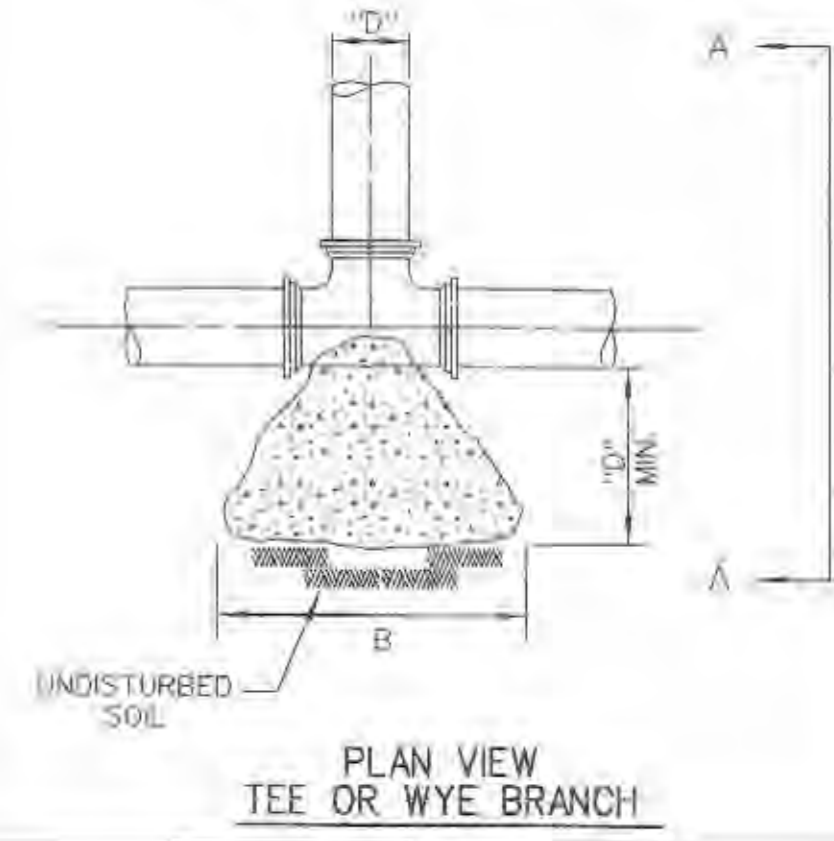
- MATERIAL LIST - 1" WATER METER SERVICE**
- 1" Sensus SRII MTR, TRPL, 100 GL PLAS BNT
  - 1" Meter Yoke with 1/2" Rise and Locking Ball Valve (B2404-1")
  - 1" Corporation Stop (B25006-1")
  - 2 - 1" End Connectors, Compression (H-14227-1")
  - 20x30 MIR Box Cover LN w/TR
  - 20" X 30" Meter Tile (MIDST/ATES)
  - 1" X 8" Tapping Saddle, PVC (H13433-1")
  - 1" X 10" Tapping Saddle, PVC (H13434-1")
  - 1" X 6" Tapping Saddle, PVC



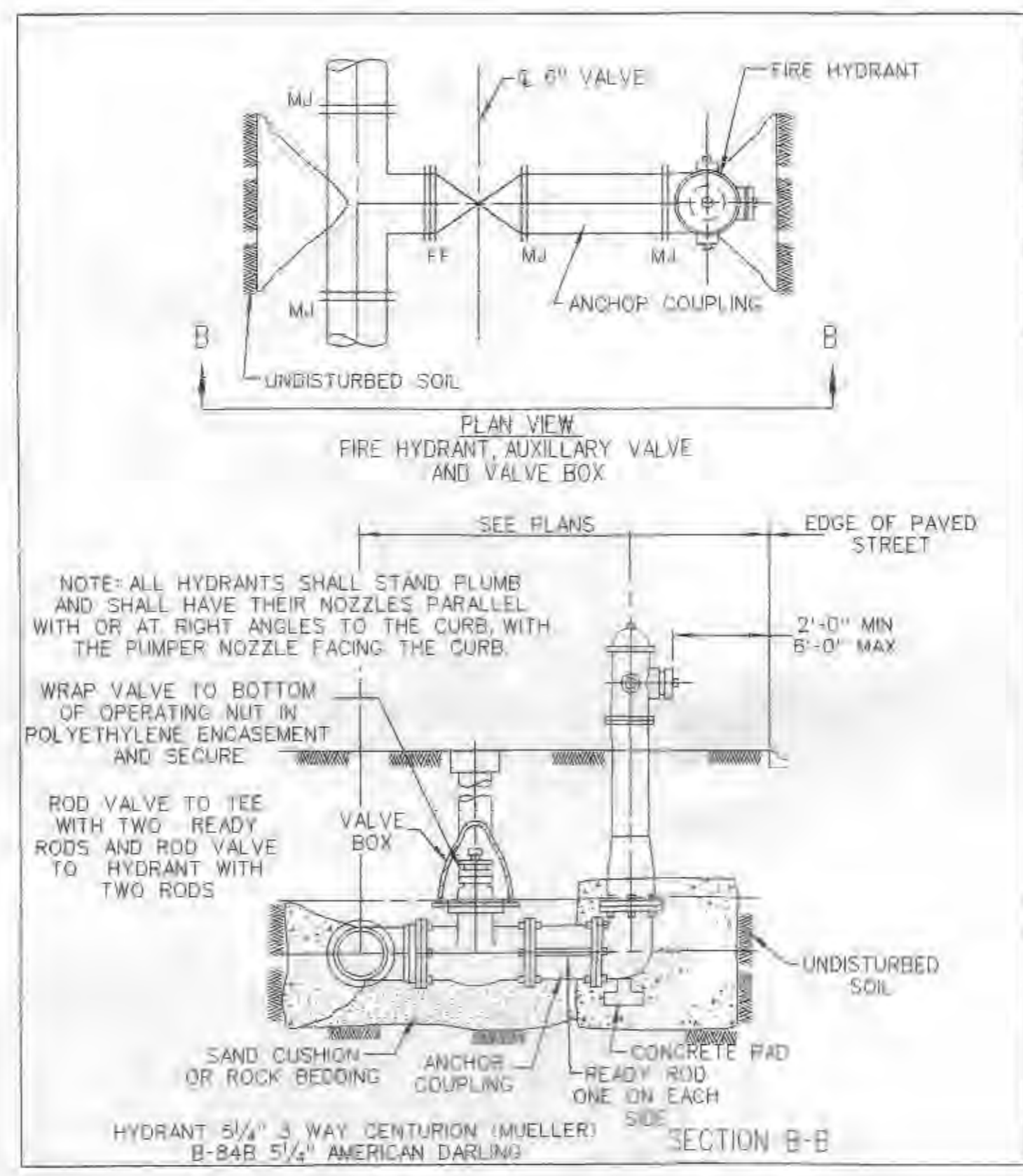
STANDARD BLOW-OFF



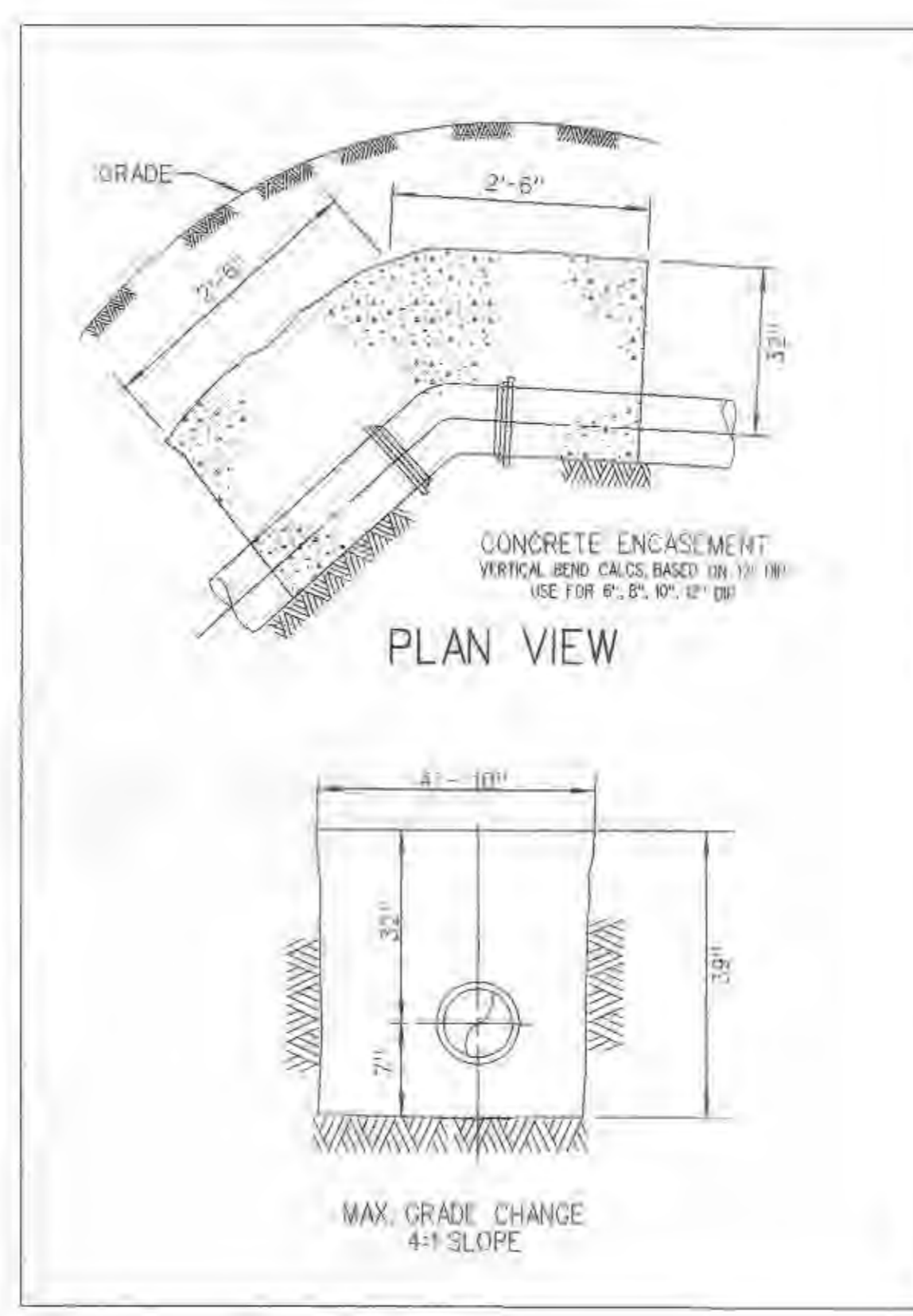
SECTION "A - A"  
TYPICAL FOR ALL THRUST BLOCKS EXCEPT AS NOTED



PLAN VIEW  
TEE OR WYE BRANCH

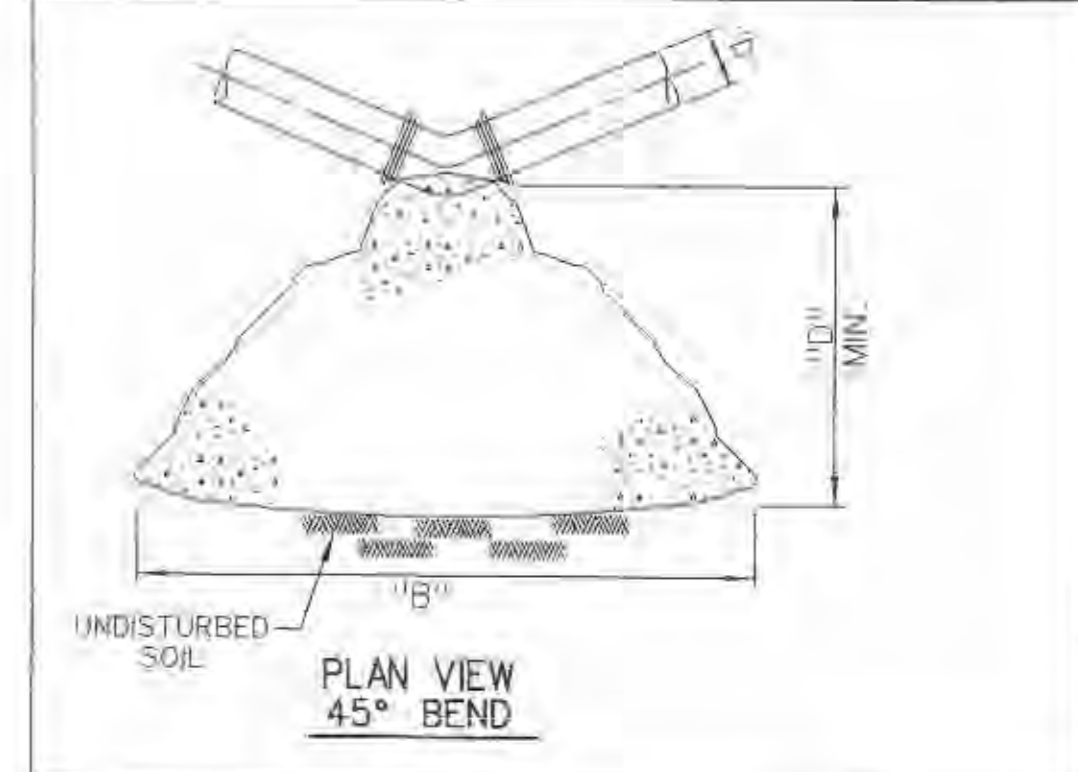


HYDRANT 5/4" 3 WAY CENTURION (MUELLER) B-84B 5/4" AMERICAN DARLING

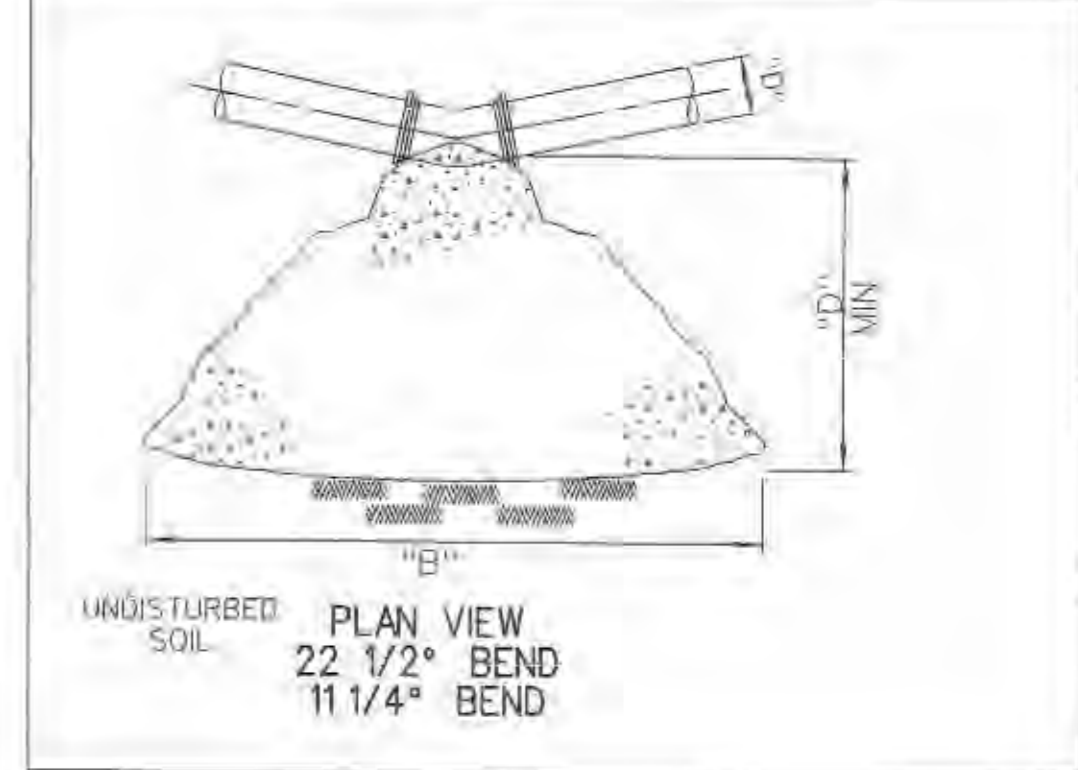


PLAN VIEW

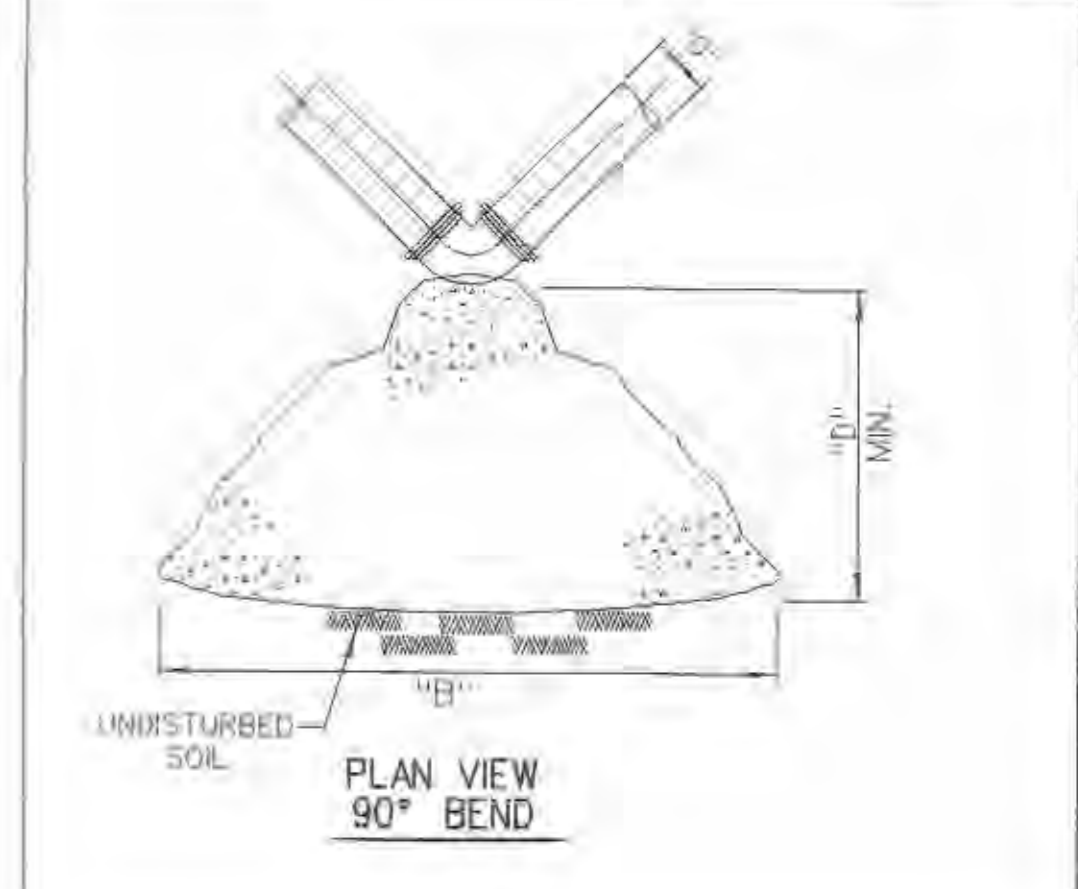
MAX. GRADE CHANGE  
4:1 SLOPE



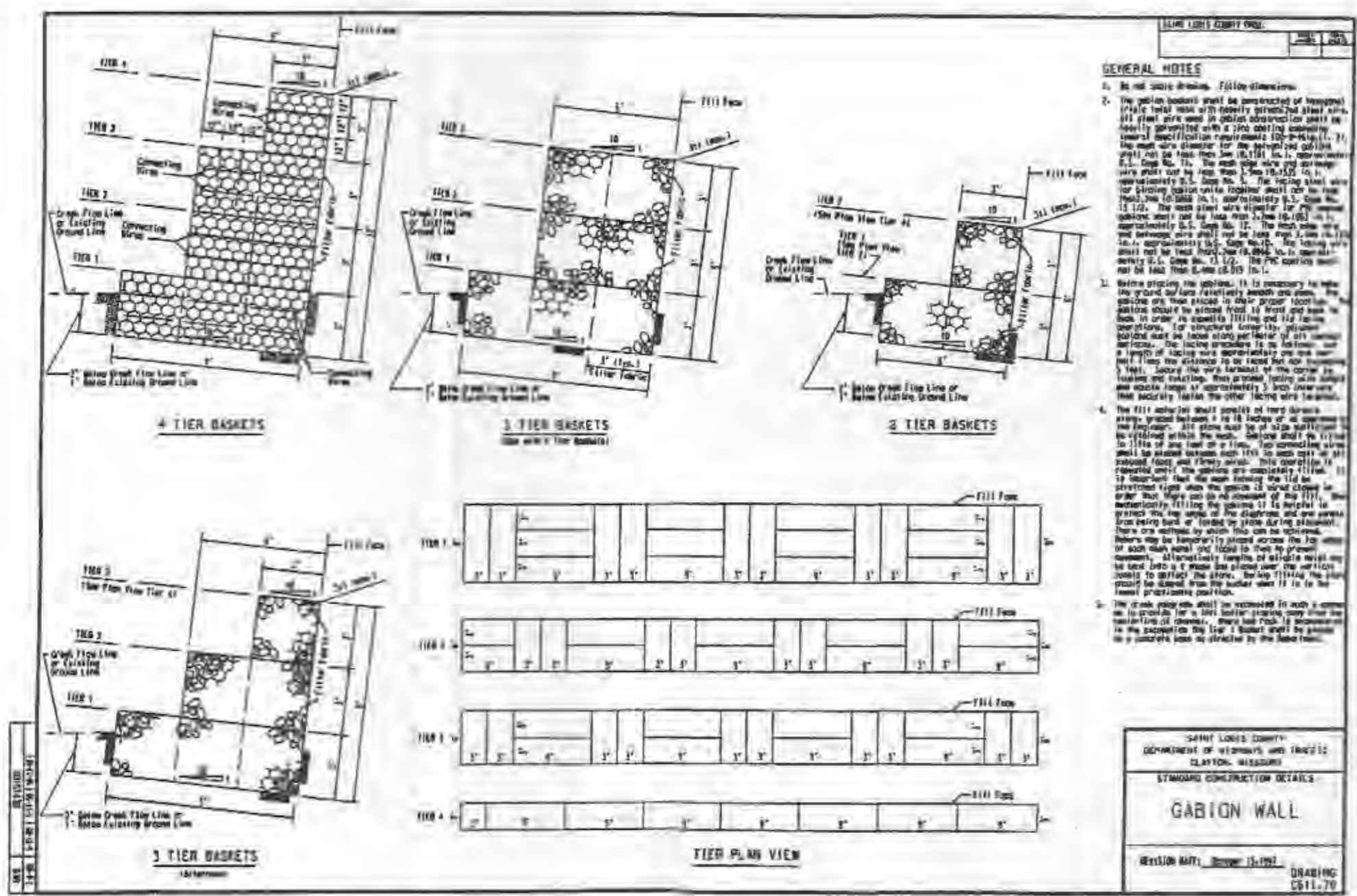
PLAN VIEW  
45° BEND



PLAN VIEW  
22 1/2° BEND  
11 1/4° BEND



PLAN VIEW  
90° BEND



GABION WALL



THRUST BLOCK FOR HORIZONTAL OFFSETS

PIPE DIA.	90° BENDS		45° BENDS		22.5° BENDS		WYES & TEES	
	B	D	B	D	B	D	B	D
2"	1.0	0.7	1.0	0.7	1.0	0.7	1.0	0.7
3"	1.0	0.7	1.0	0.7	1.0	0.7	1.0	0.7
4"	1.0	0.7	1.0	0.7	1.0	0.7	1.0	0.7
6"	1.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8"	1.8	1.0	1.0	1.0	1.0	1.0	2.2	1.0
10"	2.3	1.2	1.7	1.2	1.2	1.2	2.7	1.2
12"	2.7	1.4	2.0	1.4	1.4	1.4	3.2	1.4
14"	3.2	1.5	2.4	1.5	1.7	1.5	3.2	1.5
16"	3.6	1.7	2.7	1.7	1.9	1.7	4.3	1.7

Dimensions are in feet. Use above thrust block dimensions unless poor soil conditions (organics, saturated clay, etc.) dictate use of larger thrust area. See chart at top center of this sheet for determination of area of thrust block in poor soil conditions.

HELMUT WEBER  
CONSTRUCTION CO  
1717 HENKE RD.  
O'FALLON, MO.  
63366

**VOLZ**



**GREEN TREE MEADOWS  
PLAT 4 & PLAT 5**

CONSTRUCTION DETAILS  
Design By: E.D.K.  
Drawn By: D.K.L.  
Checked By: E.A.K.  
B-6844

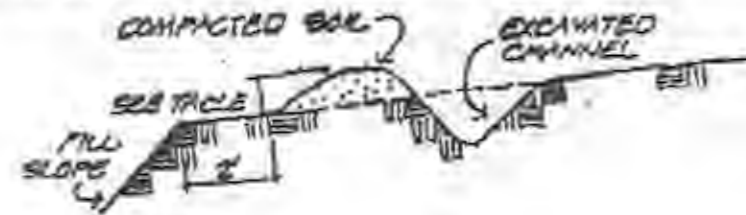


**DIVERSIONS**  
For Urban Development Sites

**APPENDIX B**

\*\* Outlets for diversions must be stable. Stable outlets consists 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.



**Barb Ridge Diversion**  
Used around the perimeter of a construction site.



**Combination Diversion**  
General use.



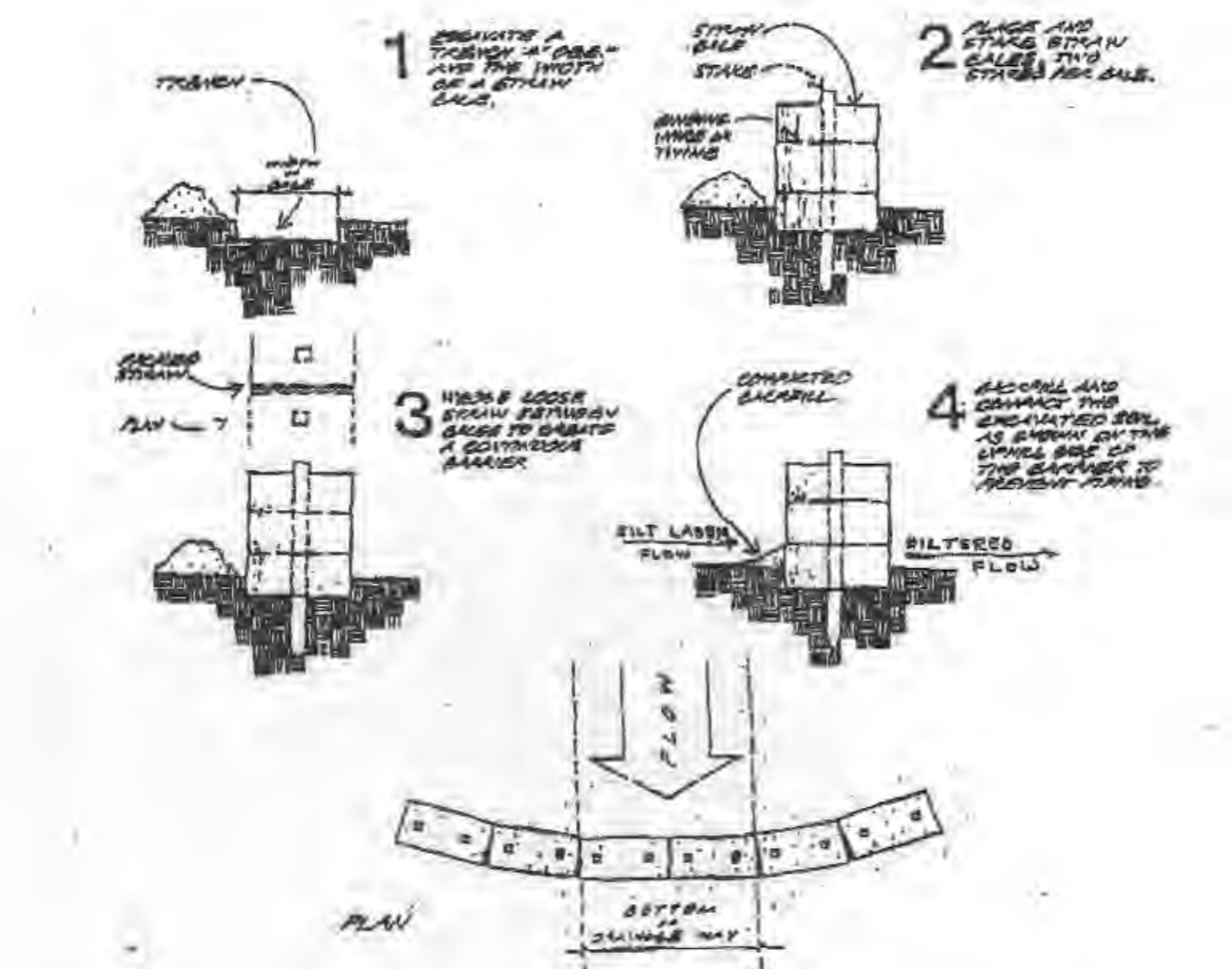
**Gravel Ridge Diversion**  
General use.



47-9

**STRAW BALE BARRIERS**  
For Urban Development Sites

**APPENDIX C**



Placement and Construction of a Straw Bale Barrier

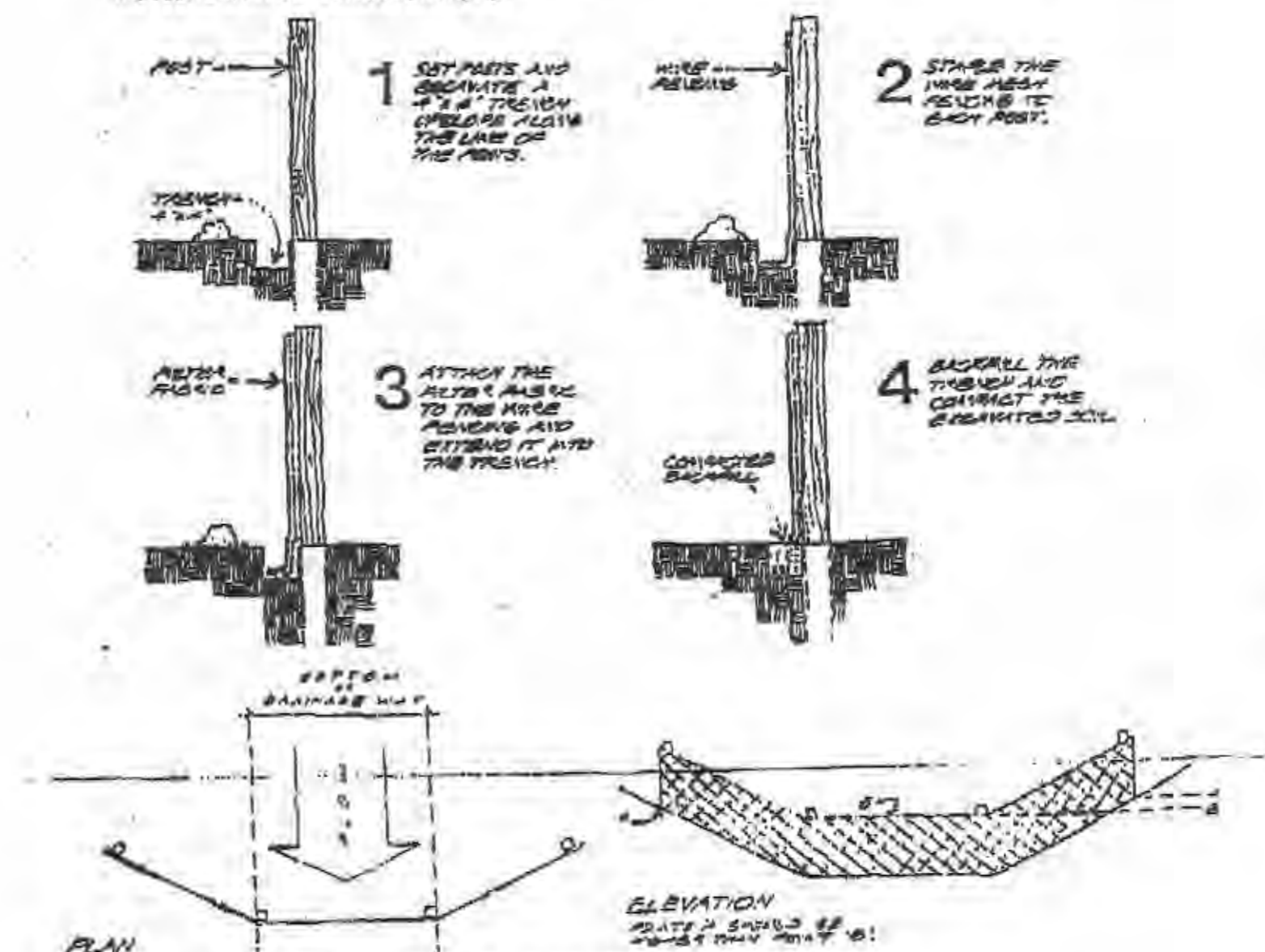
47-10

**SYNTHETIC FILTER BARRIERS**  
For Urban Development Sites

**APPENDIX D**

**Maintenance**

- Filter barriers shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately.
- 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.
- 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 silt fence or filter barrier is no longer required shall be dressed to conform with the existing grade, prepared and seeded.

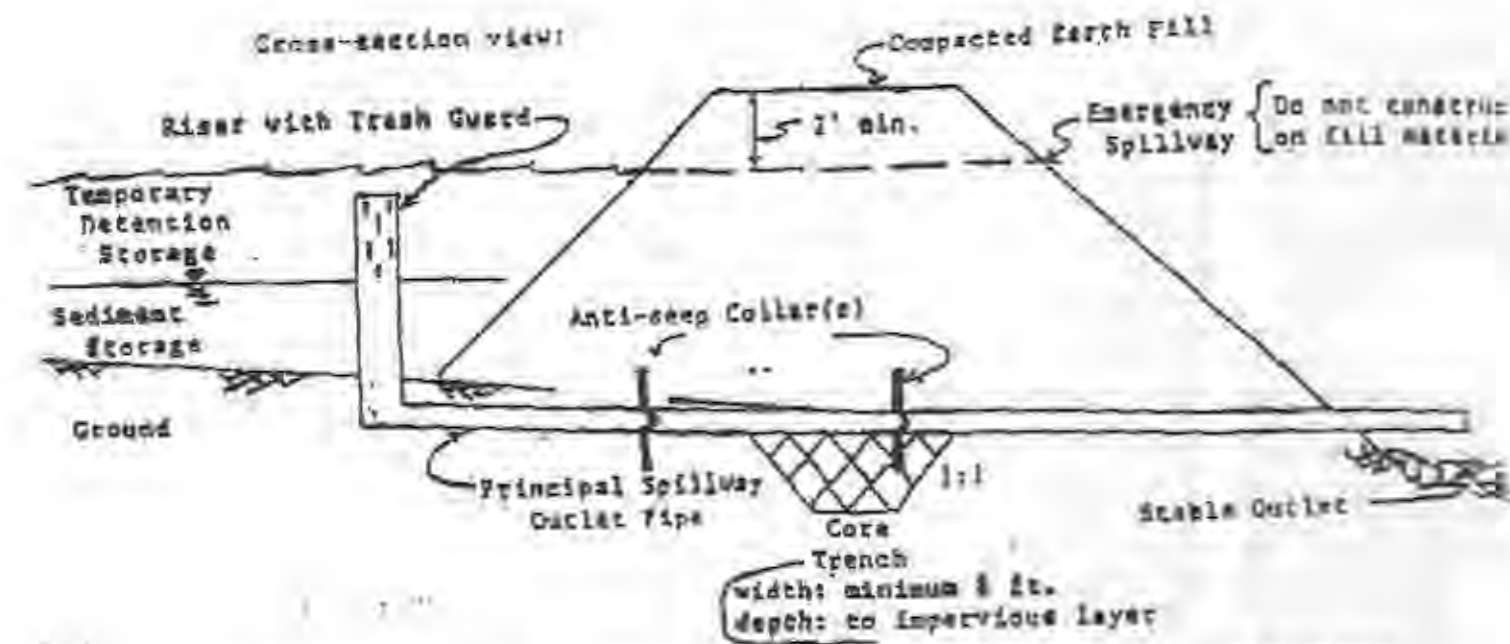


Placement and Construction of a Synthetic Filter Barrier

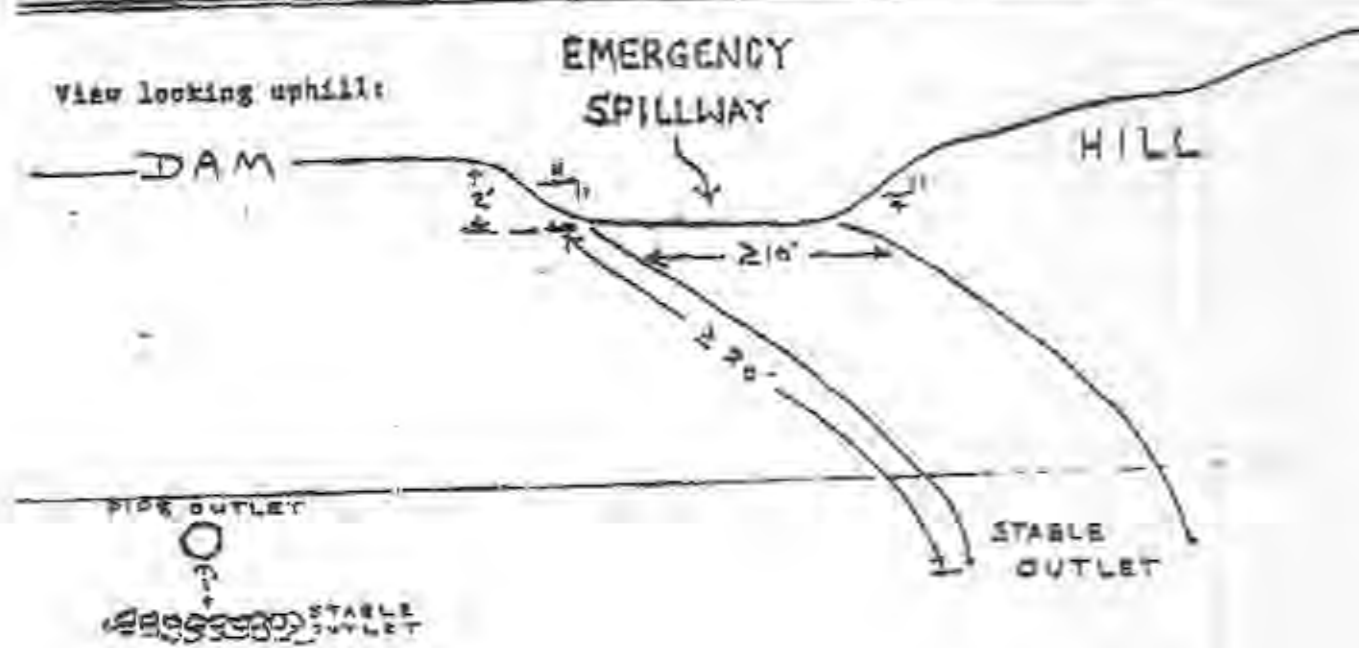
47-11

**SEDIMENT BASIN**  
For Urban Development Sites

**APPENDIX E**



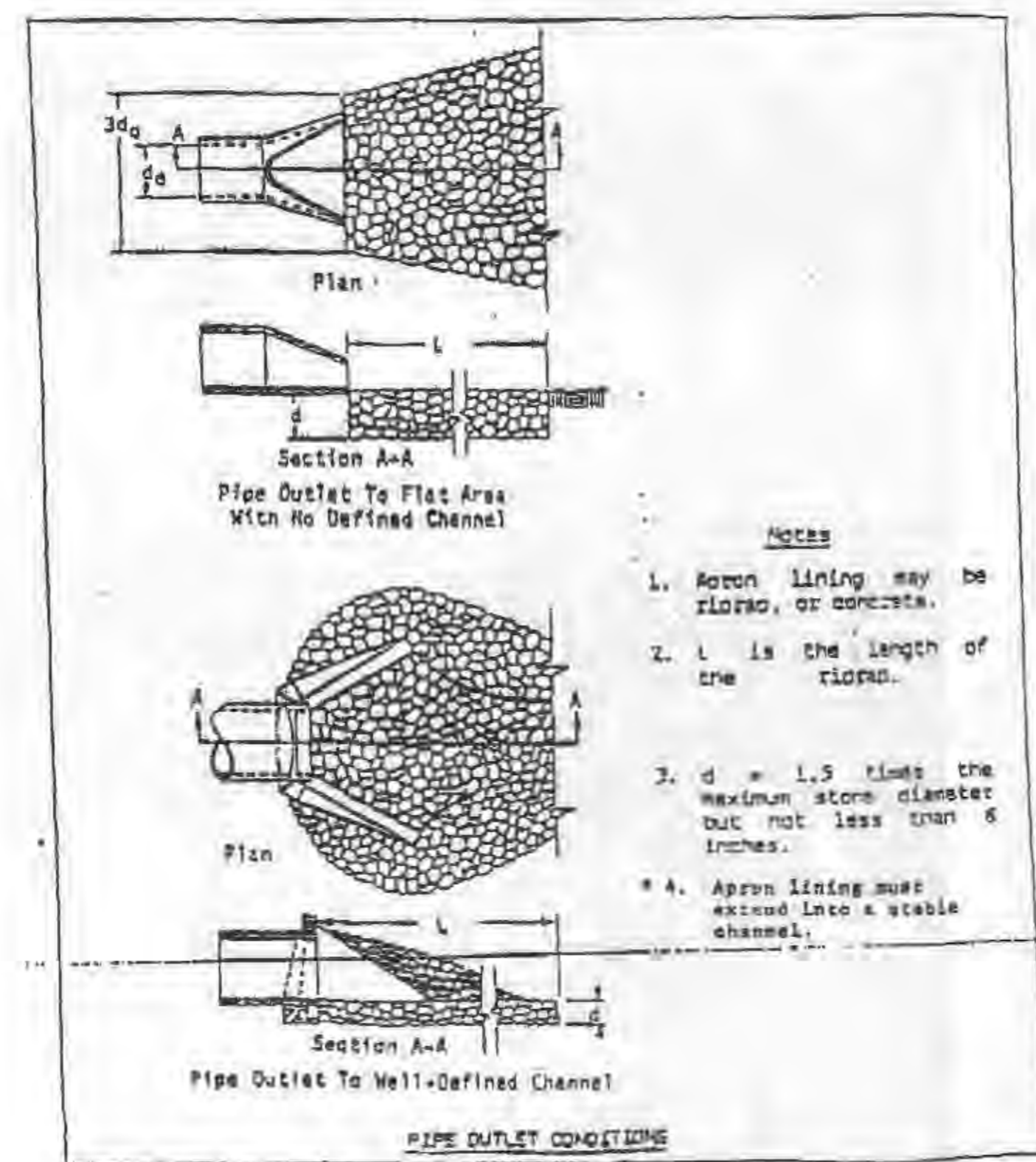
\*\* Retention basin construction is identical with principal spillway pipe installed at an elevation that allows additional water storage.



47-12

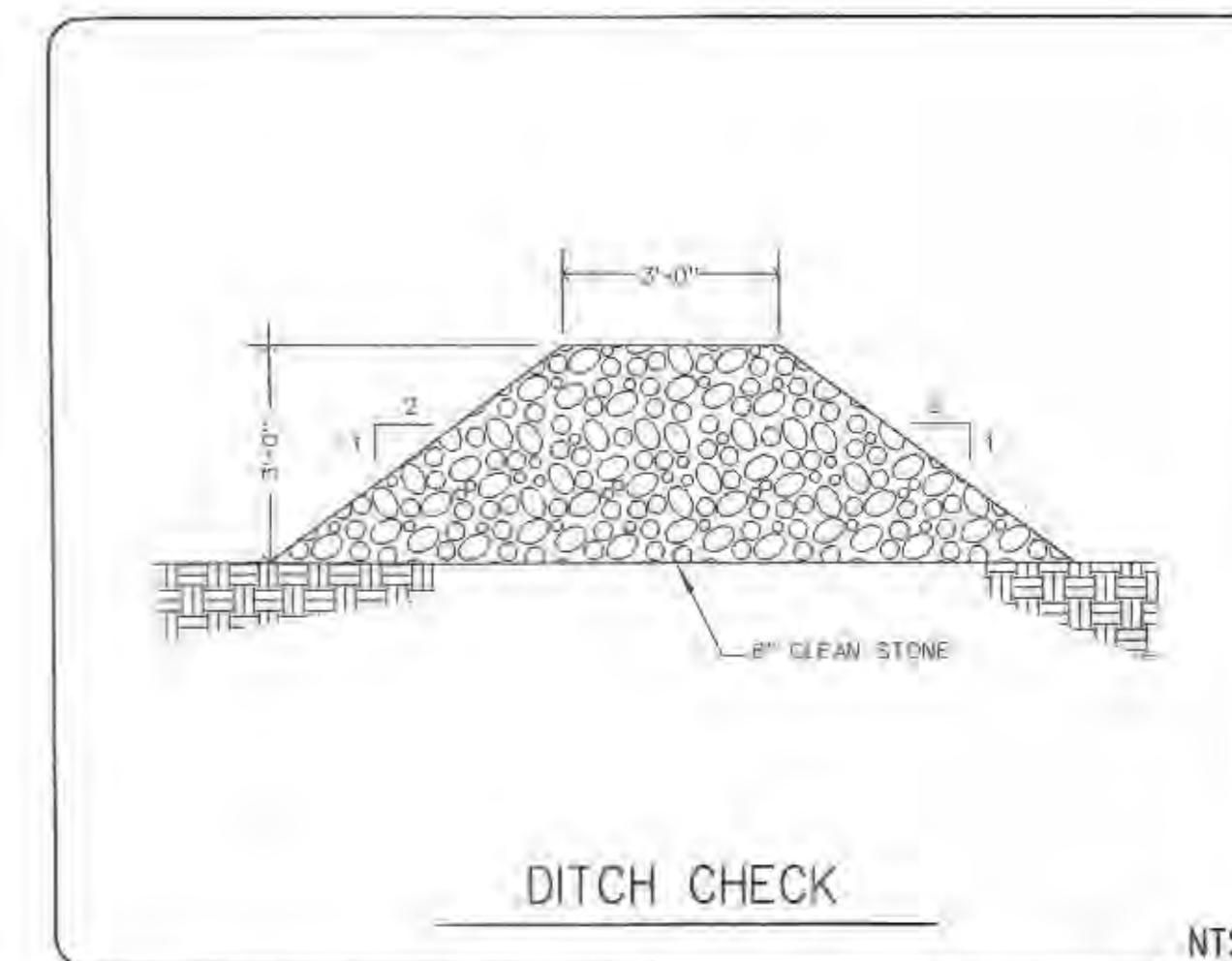
**OUTLET PROTECTION**  
For Urban Development Sites

**APPENDIX F**



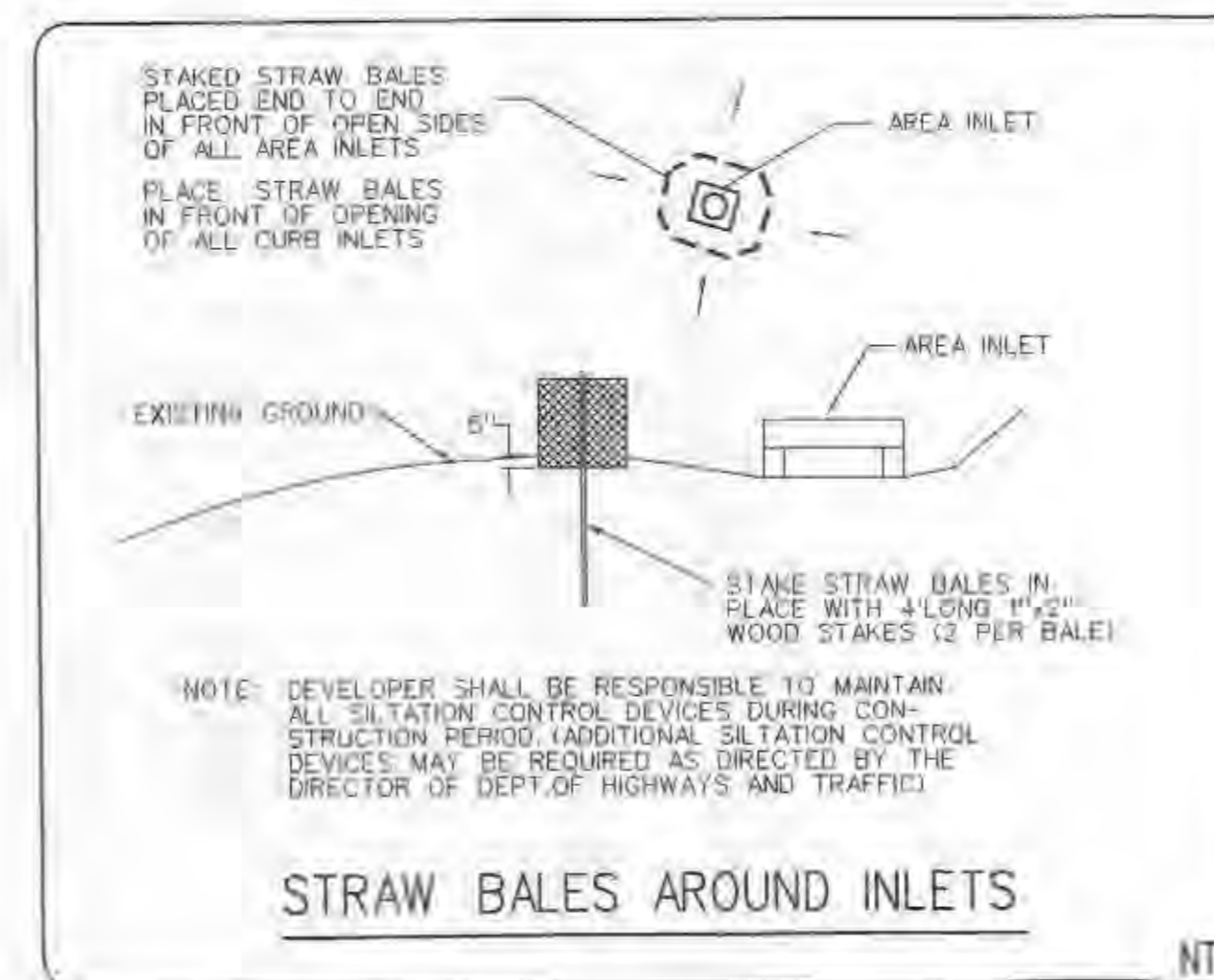
PIPE OUTLET CONDITIONS

47-13



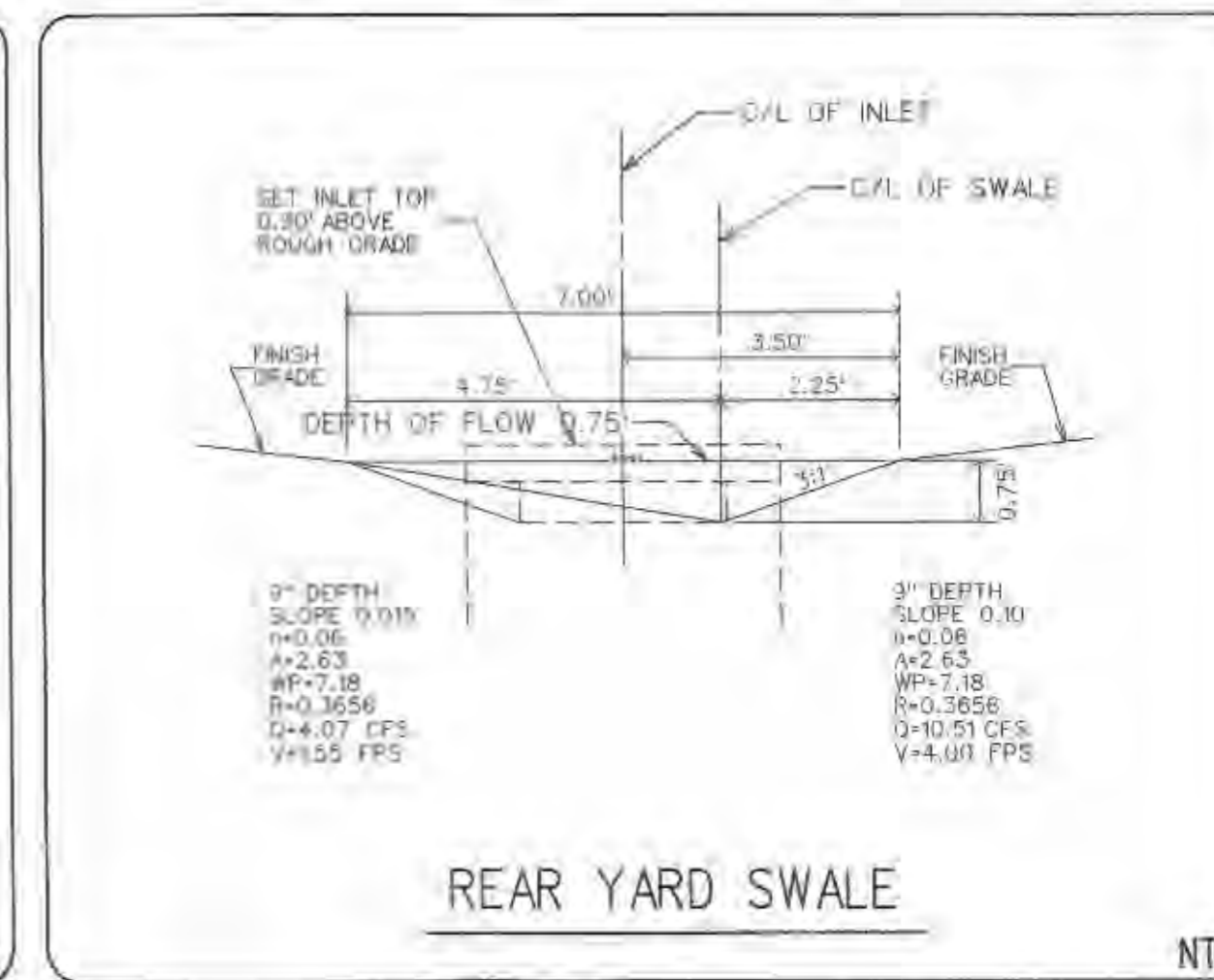
DITCH CHECK

NTS



STRAW BALES AROUND INLETS

NTS



REAR YARD SWALE

NTS

HELMUT WEBER  
CONSTRUCTION CO  
1707 HENKE RD.  
O'FALLON, MO.  
63366

**VOLZ**

REGISTERED PROFESSIONAL ENGINEER  
STATE OF MISSOURI  
ELMER ANTHONY  
LICENSE NUMBER  
E-16146  
EXPIRES 12/31/2008

**GREEN TREE MEADOWS**  
**PLAT 4 & PLAT 5**

**CONSTRUCTION DETAILS**  
Design By: E.D.K.  
Drawn By: D.K.L.  
Checked By: E.A.K.  
B-8644

DL-31-02  
**22**