

VEGETATION ESTABLISHMENT For Urban Development Sites APPENDIX A

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 sq. ft.)
Oats - 120 lbs./ac. (2.75 lbs. per sq. ft.)

SEEDING PERIODS:

Fescue or Brome - March 1 to June 1
August 1 to October 1
Wheat or Rye - March 15 to November 1
Oats - March 15 to September 15

MULCH RATES:

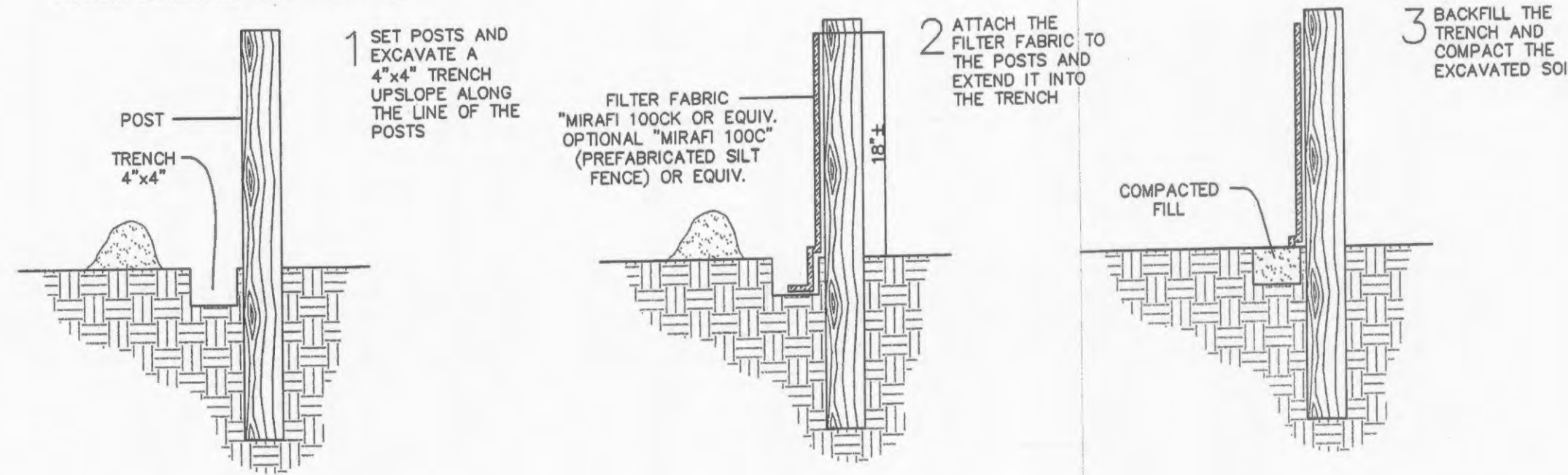
100 lbs. per 1000 sq. ft. (4,356 lbs. per ac.)

FERTILIZER RATES:

Nitrogen 30 lbs./ac.
Phosphate 30 lbs./ac.
Potassium 30 lbs./ac.
Lime 600 lbs./ac. ENM*

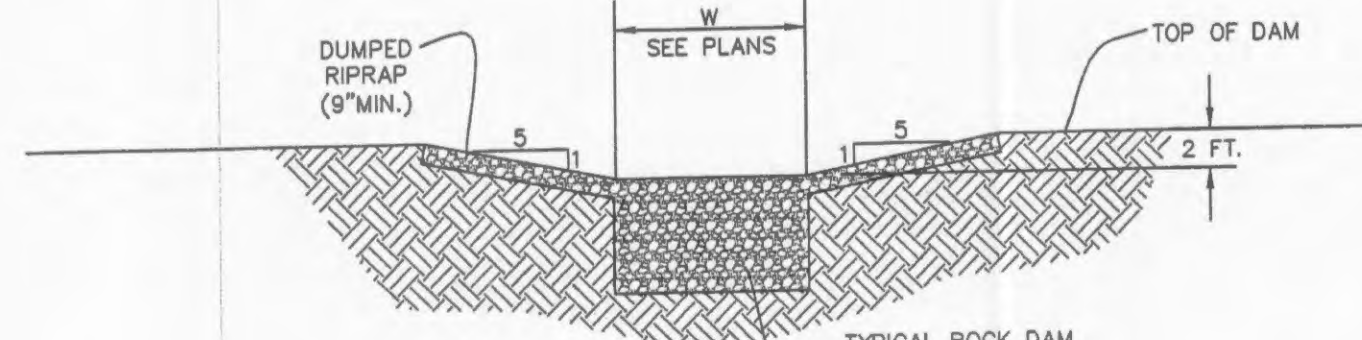
* ENM = effective neutralizing material as per State evaluation of quarried rock.

- MAINTENANCE**
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.



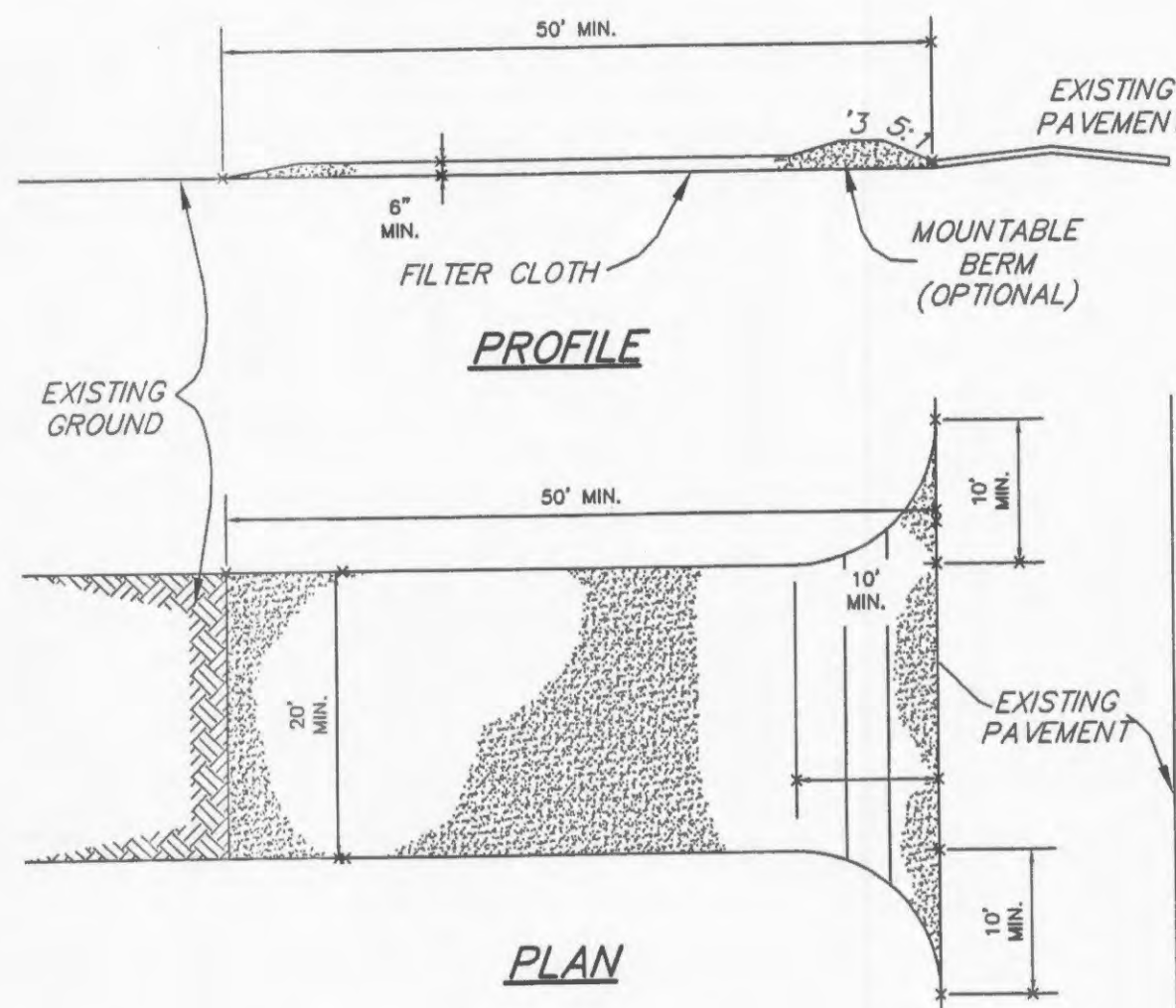
SILTATION FENCE DETAIL

SILTATION CONTROL SWALE:
INTERIM TEMPORARY GRADING:



SECTION A-A ROCK SPILLWAY DETAIL

N.T.S.



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.

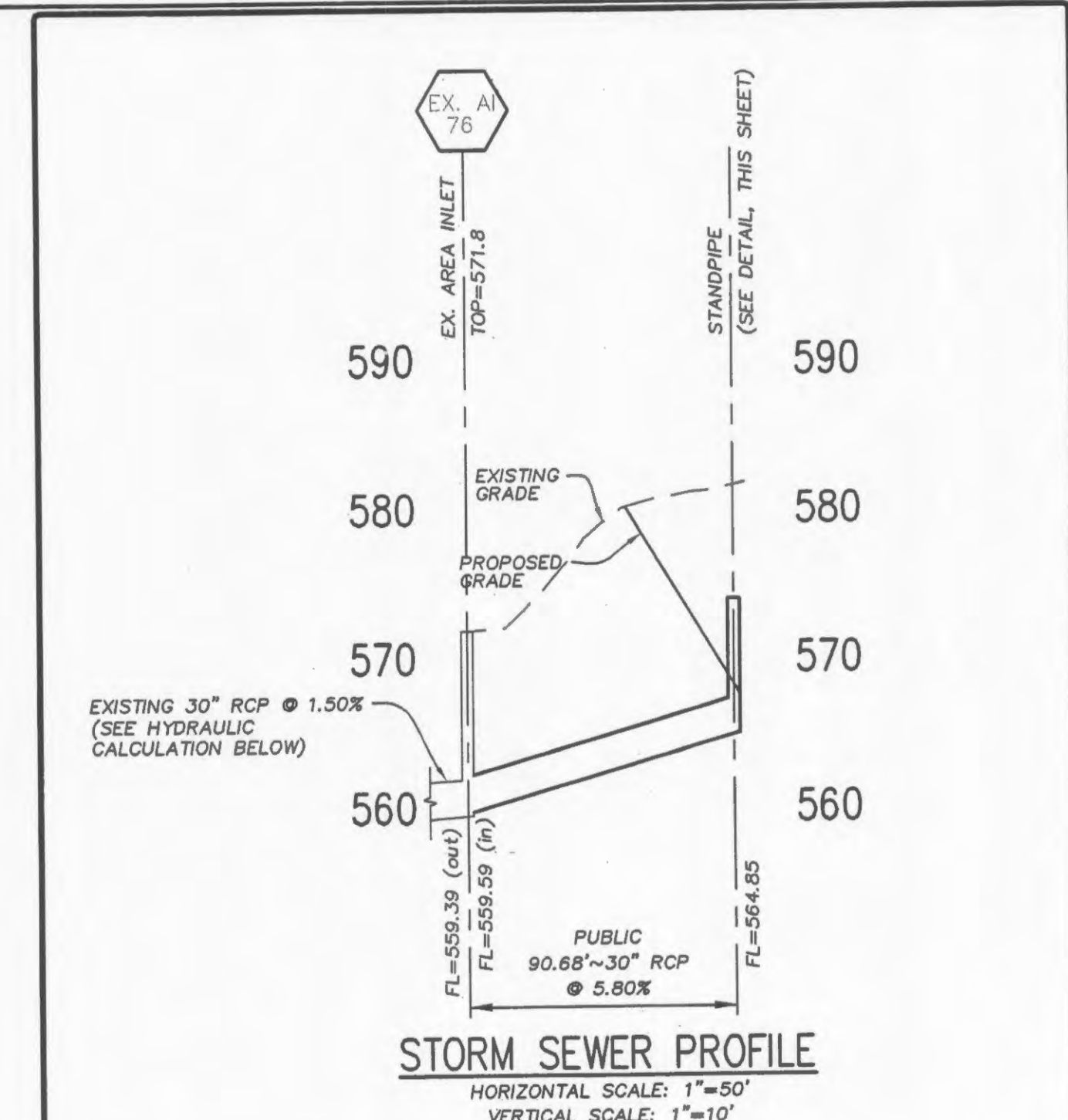
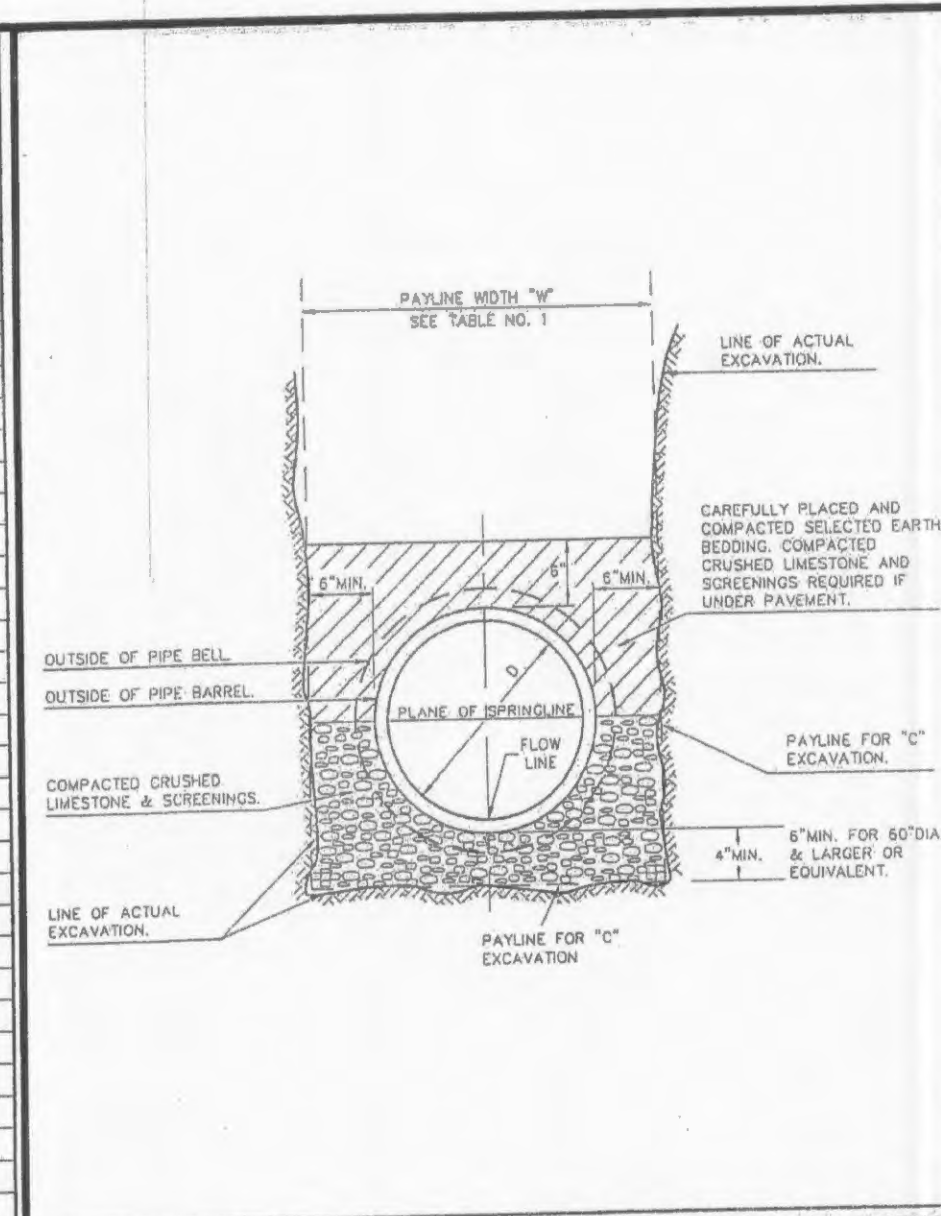
STABILIZED CONSTRUCTION ENTRANCE/WASHDOWN AREA

NOT TO SCALE

ROUND PIPE				HORIZONTAL ELLIPTICAL PIPE			
INSIDE DIAMETER OF PIPE (INCHES)	"W" PAYLINE WIDTH OF TRENCH (INCHES)	"T" PAYLINE WIDTH OF TRENCH (FEET)	PAY-VOLUMES CU. FT. PER FT.	INSIDE DIMENSIONS OF PIPE (INCHES)	"W" PAYLINE WIDTH OF TRENCH (FEET)	"T" PAYLINE WIDTH OF TRENCH (FEET)	PAY-VOLUMES CU. FT. PER FT.
4	30	2.50	3.28				
6	30	2.50	3.87				
8	30	2.50	4.09				
10	30	2.50	4.25				
12	30	2.50	4.25				
15	36	3.00	5.55				
18	36	3.00	5.77	14 x 22	41	3.42	5.94
24	42	3.50	7.39	19 x 30	49	4.08	7.88
27	45	3.75	8.18	22 x 34	53	4.42	8.61
30	48	4.08	9.30	24 x 36	58	4.83	9.70
33	53	4.42	10.53	27 x 42	62	5.17	10.71
36	56	4.67	11.43	29 x 45	66	5.50	11.72
39	61	5.00	12.50	32 x 48	71	5.92	12.74
42	63	5.25	13.38	34 x 53	75	6.25	14.05
48	70	5.83	15.87	38 x 60	83	6.92	16.16
54	77	6.42	18.15	43 x 68	92	7.67	18.81
60	84	7.00	20.73	48 x 76	101	8.42	21.58
66	91	7.58	23.45	53 x 83	109	9.08	24.35
72	98	8.17	26.37	58 x 91	118	9.83	27.45
78	105	8.75	29.39	63 x 98	126	10.50	30.50
84	112	9.33	32.57	68 x 106	135	11.25	33.81
90	118	9.91	35.60	72 x 113	143	11.92	36.89
96	126	10.50	39.37	77 x 121	152	12.67	40.89
102	133	11.08	42.99	82 x 128	160	13.33	44.45
108	140	11.67	46.75	87 x 136	168	14.00	47.79
114	147	12.25	50.66	92 x 143	176	14.67	51.70
120	154	12.83	54.72	97 x 151	185	15.42	56.01
126	161	13.42	58.92	106 x 166	202	16.83	64.48
132	168	14.00	63.27	116 x 180	218	18.17	73.58
144	182	15.17	72.40				

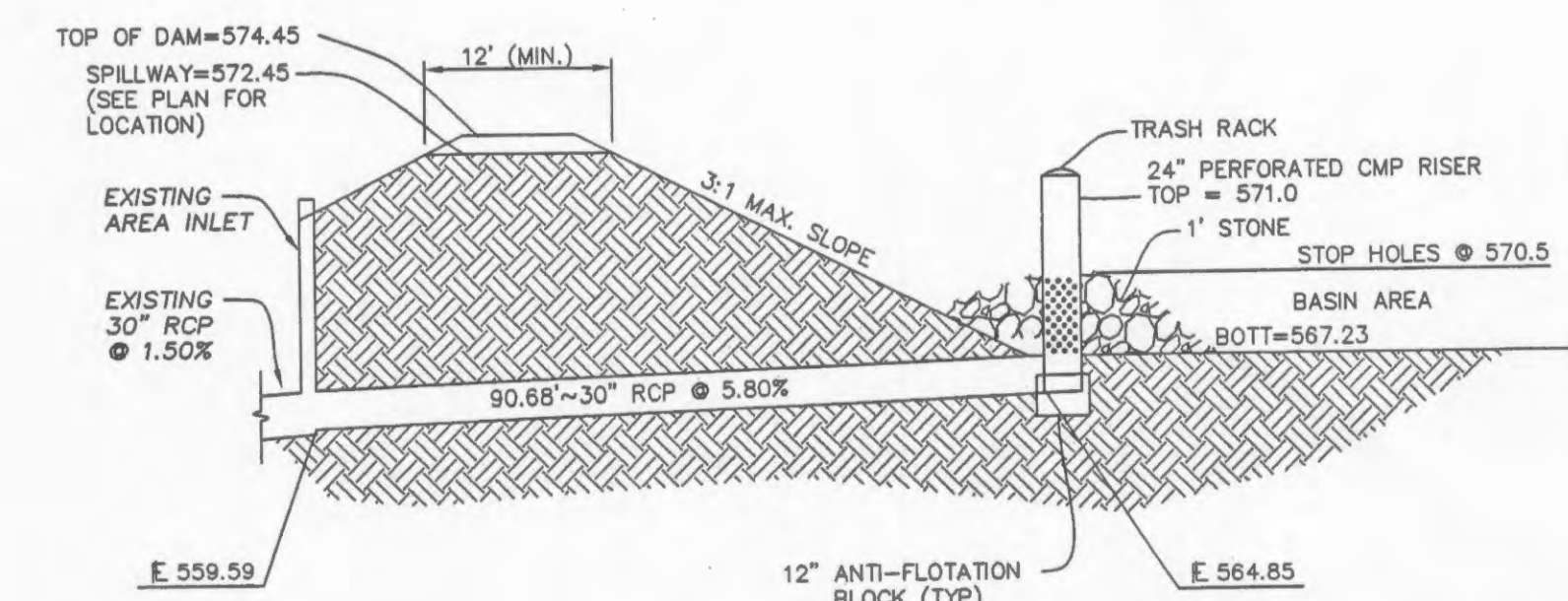
TABLE 1 PAYLINE WIDTHS OF TRENCH AND PAY-QUANTITIES OF CONCRETE	METROPOLITAN ST. LOUIS SEWER DISTRICT Standard Details of Sewer Construction Dr. B.E.B. Ch. J.C.K. 2000	SHEET 1
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PIPE BEDDING CLASS "C" (MODIFIED FOR REINFORCED CONCRETE PIPE)	METROPOLITAN ST. LOUIS SEWER DISTRICT Standard Details of Sewer Construction Dr. W.S.H. Ch. J.C.K. 2000	SHEET 5
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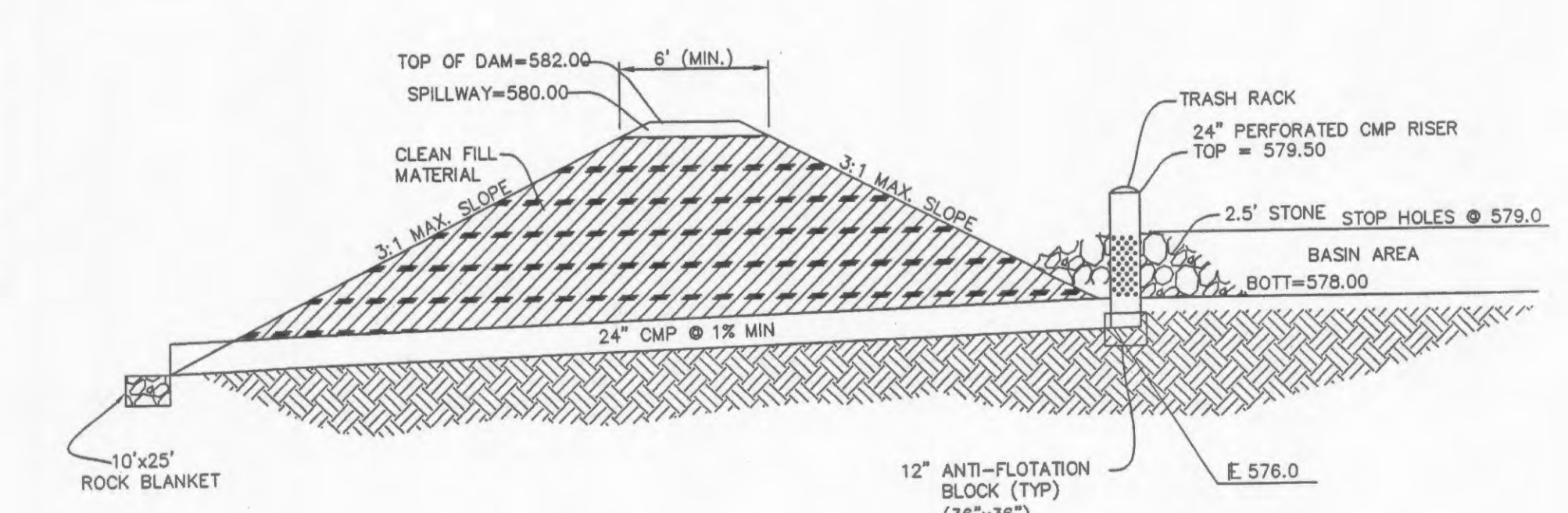


HYDRAULIC CALCULATIONS:
EXISTING 30" RCP @ 1.50%
FULL FLOW CAPACITY OF 30" RCP = 50.37 CFS
TOTAL Q = 36.35 + 1.95 = 38.3 CFS (SEE DRAINAGE AREA MAP)
TOTAL Q = 38.3 CFS < 50.37 CFS ==> OK

- GENERAL NOTES**
1. STANDPIPES SHALL BE PERFORMED CMP WITH 1 1/2" HOLES AT 6" SPACING (HORIZONTAL & VERTICAL) AND HOLES TO BE STAGGERED ROW TO ROW.
 2. STANDPIPES SHALL BE WRAPPED WITH FILTER FABRIC (MIRAFI 140 NL OR EQUIV.) AND SECURELY FASTENED.
 3. STANDPIPES SHALL BE SET 6" INTO ANTI-FLOTATION BLOCKS.
 4. ANTI-FLOTATION BLOCKS SHALL BE SQUARE AND 1' LARGER THAN STANDPIPE DIAMETER.
 5. TRASH RACK SHALL BE MADE FROM #4 BARS @ 6" SPACING BOTH WAYS AND FASTENED TO TOP OF STANDPIPE.



TEMPORARY SEDIMENT BASIN #1 N.T.S.



TEMPORARY SEDIMENT BASIN #2 N.T.S.

ISSUE	REVISION/DATE	REMARKS
1	REVISION PER CITY OF OFALLON, 8/17/2005	
2	REVISION PER CITY OF OFALLON, 11/23/05	

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DRAWN:
DESIGNED:
CHECKED:
PROJECT:
SHEET TITLE: SILTATION CONTROL DETAILS

NO. 04 05 084	SHEET 4
M.S.D.	OF 4
PR#	
DIGITAL FILE LOCATION	
DATE	
ENTER DRAWING NAME	

BASE MAP