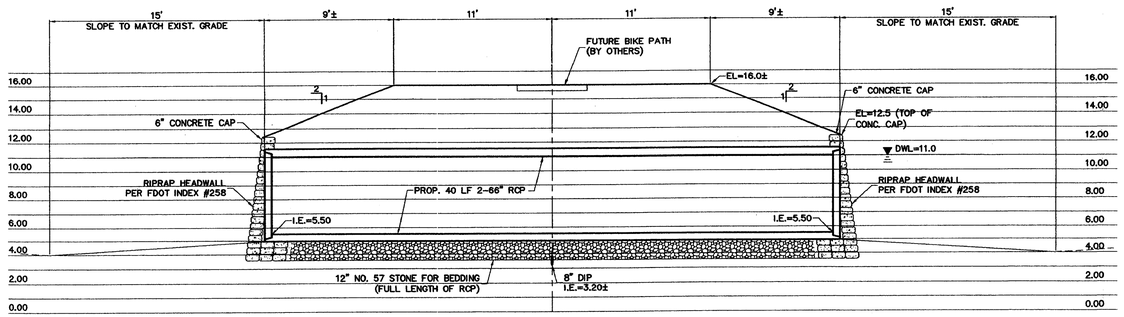
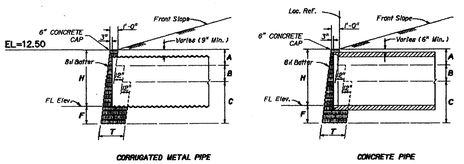
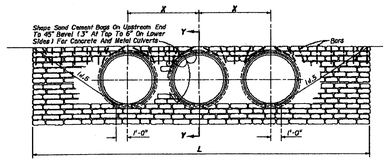


CANAL CROSSING DETAIL

1" = 5'



SECTION YY

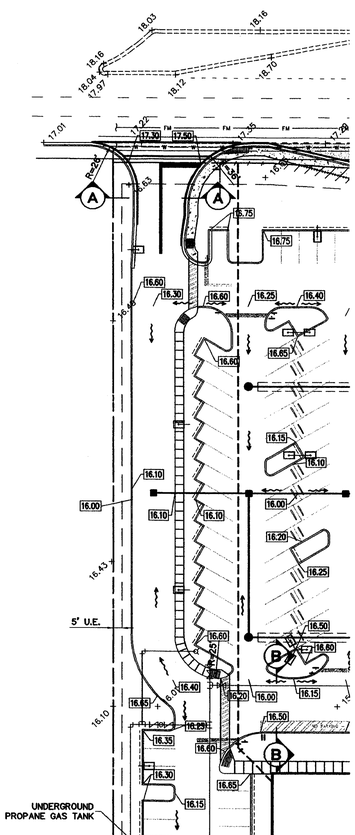


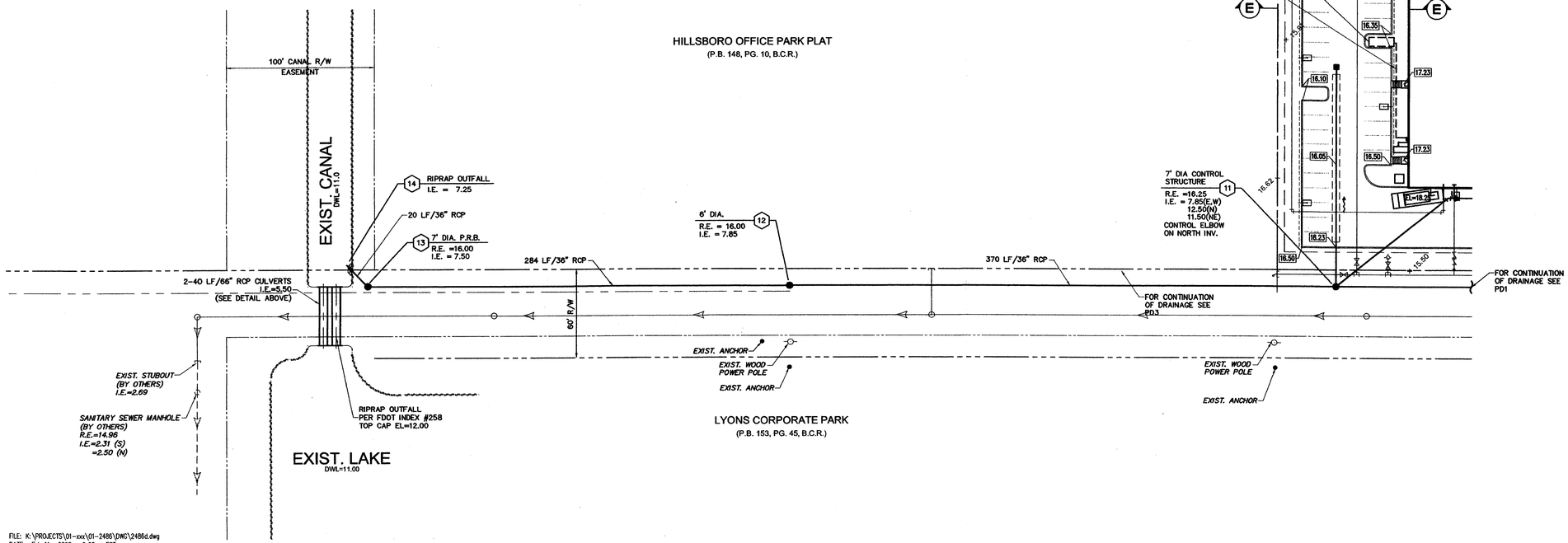
Note: (1) For concrete and corrugated metal pipes, Concrete pipe shown.
(2) The top row of riprap bags shall be secured by pinning, using #4 reinforcing bars 18 inches in length, as follows:
(a) The end bags shall be secured using two bars per bag, one vertical and one diagonal as shown.
(b) The next to last bag on each end shall be secured with two bars vertically.
(c) Bags located over the pipe shall be secured by a bar which is driven diagonally except that for concrete pipe two bars shall be used for single bags above the pipe.
(d) Intermediate bags shall be secured with a single bar.
Bars shall be driven to one inch below the surface of the bag.
The cost of furnishing and installing the bars shall be included in the cost of the riprap.

FRONT ELEVATION

TABLE OF DIMENSIONS AND QUANTITIES FOR ONE ENDWALL

SIZE OF PIPE	H	T	A	B	C	F	X	ONE PIPE CULVERTS L	RIPRAP CY CP	RIPRAP CY CMP	TWO PIPE CULVERTS L	RIPRAP CY CP	RIPRAP CY CMP	THREE PIPE CULVERTS L	RIPRAP CY CP	RIPRAP CY CMP	FOUR PIPE CULVERTS L	RIPRAP CY CP	RIPRAP CY CMP
18"	2'-3"	1'-0"	4'-0"	0'-0"	0'-0"	1'-9"	2'-10"	8'-6"	1.0	1.2	11'-7"	1.5	1.6	14'-8"	1.8	1.9	17'-9"	2.1	2.3
24"	2'-9"	2'-0"	4'-0"	0'-0"	0'-0"	1'-9"	3'-4"	10'-3"	2.4	2.5	13'-8"	3.0	3.2	17'-1"	3.7	4.0	20'-6"	4.3	4.7
30"	3'-4"	2'-0"	4'-0"	2'-0"	0'-0"	1'-10"	4'-3"	12'-0"	3.3	3.4	16'-3"	4.2	4.5	20'-6"	5.1	5.5	24'-9"	6.0	6.5
36"	3'-10"	2'-0"	4'-0"	3'-0"	0'-0"	1'-10"	5'-1"	13'-6"	4.0	4.2	18'-7"	5.2	5.7	23'-8"	6.3	6.9	28'-9"	7.4	8.2
42"	4'-5"	3'-0"	4'-0"	2'-0"	2'-0"	1'-11"	6'-0"	15'-3"	6.4	6.7	21'-3"	8.3	8.9	27'-3"	10.2	11.2	33'-3"	12.1	13.4
48"	4'-11"	3'-0"	4'-0"	2'-0"	2'-0"	1'-11"	6'-9"	16'-3"	7.7	8.1	23'-6"	10.0	10.8	30'-9"	12.3	13.5	37'-0"	14.5	15.8
54"	5'-6"	3'-0"	4'-0"	2'-0"	3'-6"	2'-0"	7'-6"	18'-6"	8.5	10.1	26'-0"	12.4	13.5	33'-10"	15.3	17.0	41'-6"	18.2	20.4
60"	6'-0"	3'-0"	4'-0"	2'-0"	4'-0"	2'-0"	8'-6"	20'-0"	11.0	11.7	28'-6"	14.4	15.8	37'-0"	17.8	19.8	45'-6"	21.1	23.8
66"	6'-7"	3'-0"	4'-0"	2'-0"	4'-6"	2'-1"	9'-3"	21'-9"	13.2	14.1	31'-0"	17.2	18.9	40'-3"	21.2	23.7	49'-6"	25.1	28.5
72"	7'-1"	3'-0"	4'-0"	2'-0"	5'-0"	2'-1"	10'-0"	23'-3"	15.0	16.0	33'-3"	19.4	21.4	43'-3"	23.9	26.8	53'-3"	28.3	32.1
78"	7'-8"	3'-0"	4'-0"	2'-0"	5'-6"	2'-2"	10'-9"	25'-0"	17.5	18.7	35'-9"	22.8	25.0	46'-6"	27.8	31.3	57'-3"	32.9	37.6
84"	8'-2"	3'-0"	4'-0"	2'-0"	6'-0"	2'-2"	11'-6"	26'-6"	19.5	20.9	38'-2"	25.3	28.1	49'-10"	31.1	35.2	61'-6"	38.9	42.4





PAVING & DRAINAGE LEGEND

R.E.	RIM ELEVATION
G.E.	GRATE ELEVATION
I.E.	INVERT ELEVATION
~~→	DIRECTION OF FLOW
150' @ 0.5%	PAVEMENT SLOPE
P.R.B.	POLLUTION RETARDANT BASIN
F.F.= 10.00	FINISHED FLOOR ELEVATION
———	EXISTING OR FUTURE UTILITIES
CATCH BASIN G.E. = I.E. =	STRUCTURE DESIGNATION
100 L.F./ 15"	LENGTH, SIZE OF STORM DRAIN
5.00	EXISTING GRADE
0.00	PROPOSED GRADE
ZZZZ	D.I.P. PIPE

APRIL 1 2002

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Ft. Lauderdale, FL 33311
Phone (954)777-3123
Fax (954)777-3114
E-Mail: suntech@suntechengineering.com

REVISIONS

NO.	DATE:	DESCRIPTION
1	01-15-02	PER CITY REVIEW
2	02-08-02	PER CITY REVIEW

WESTCREEK COMMONS

COCONUT CREEK FLORIDA

OFF-SITE PAVING, AND DRAINAGE

DATE: NOV. 2001

SCALE: 1" = 40'

DESIGNED BY: M.G.

DRAWN BY: A.E.V.

JOB NUMBER 01-2486

SHEET No. PD2

SEAL

RECEIVED APR 0 8 2002 Stiles Construction

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DATE: Feb 11, 2002 - 8:28am EST