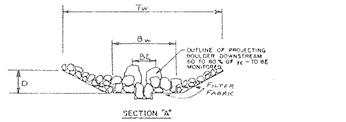
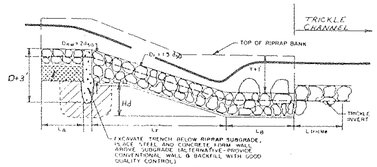
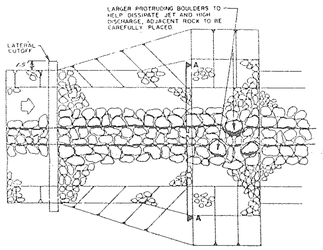
SKYWAY HEIGHTS EROSION CONTROL DETAILS



SECTION "A"



PROFILE



PLAN

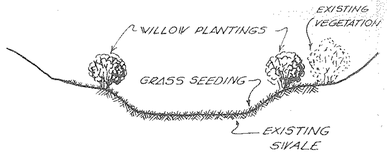
DETAIL 1

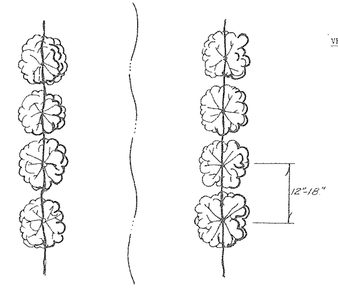
DP2.5 - DP2.6 GRADE CONTROL STRUCTURE

Drainage Number		2
Q100		47
Drop Amount		6.0
Drop Slope		0.15
Geometry		
Length (ft)	Lf	40.00
Approach Length (La)	La	10
Runout Length (Lb)	Lb	70
Bottom Width (ft) 30t	30t	8.00
Side Slope (z)	z	3.00
Mannings n	n	0.08
Slope (ft/ft)	s	0.15
Water Depth (ft)	Dw	0.950
Freeboard (ft)	FB	1.14
Total Channel Depth	Dc	2.09
Channel Topwidth - Tw	Tw	18.54
Feet of Drop 1Hd	Hd	6
Grout Thickness		1.5
Riprap Sizing		
d50=Vb^2/6.66		0.41
D/RD50 3-4		0.49
Riprap Type		L
Riprap D50 (in)	D50	9
Riprap Depth (ft)	Dr	1.13
Hydraulics		
Discharge (cfs)	Q	47.66
Velocity (fps)	V	5.67
Froud Number	F	1.18
Area (ft ^ 2)	A	8.41
Wetted Perimeter (ft)	WP	12.01
Hydraulic Radius	R	0.70
Top Width - Water Surface	Ww	11.70

Pond Inlet Structures

Channel Dimensions:		Pond 2 Chute Channel	Pond 2 Trickle Channel	Pond 1 Chute Channel	Pond 1 Trickle Channel	Pond 3 Chute Channel	Pond 3 Trickle Channel	Pond 4 Chute Channel	Pond 4 Trickle Channel	Pond5 Trickle Channel	Pond6 Trickle Channel	Pond 8 Chute Channel	Pond 8 Trickle Channel	Pond 9 Main Channel	Pond 9 Chute Channel	Pond 9 Trickle Channel	Pond 10 Trickle
Length (ft)	Lt	45.00	25.00	55.00	70.00	60.00	35.00	50.00	25.00	35.00	35.00	85.00	20.00	100.00	60.00	40.00	50.00
Approach Length (ft)	La	5		5		5		5				5		5			
Basin Length (ft)	Lb	10		10		10		10				10		10			
Bottom Width (ft)	Bw	8.00	1.00	8.00	1.00	8.00	0.00	8.00	0.00	0.00	0.00	8.00	1.00	8.00	8.00	1.00	1.00
Side Slope (z)	z	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.50	2.00	2.00	3.00	3.00	3.00	3.00	3.00	3.00
Mannings n	n	0.08	0.04	0.08	0.04	0.08	0.04	0.08	0.04	0.040	0.040	0.08	0.04	0.06	0.08	0.04	0.04
Slope (ft/ft)	s	0.18	0.05	0.32	0.05	0.18	0.05	0.20	0.05	0.07	0.05	0.15	0.05	0.06	0.20	0.05	0.10
Water Depth (ft)	Wd	0.930	0.42	0.760	0.38	0.810	0.50	0.890	0.564	0.31	0.41	1.38	0.54	1.51	1.28	0.56	0.47
Freeboard (ft)	Fb	1.15	1.00	1.18	1.06	1.13	1.06	1.10	1.07	1.04	1.03	1.70	1.08	1.18	1.22	1.08	1.10
Total Channel Depth (ft)	D	2.08	1.48	1.96	1.44	1.94	1.56	2.05	1.67	1.28	1.46	3.08	1.62	2.69	2.50	1.66	1.57
Channel Topwidth (ft)	Tw	20.50	9.90	19.74	9.63	19.64	9.38	20.08	8.24	5.42	5.64	29.48	10.72	24.16	22.99	10.99	10.42
Area of trapezoid	Toa	29.7	8.1	27.1	7.6	29.8	7.3	29.9	7.0	3.7	4.3	52.1	9.5	43.3	36.7	10.0	9.0
Feet of Drop	Hd	8	1.25	8	3.5	9.6	1.75	10	1.25	2.45	2.75	12.75	1	6.3	17	2	5
Total Drop			9.25		11.5		11.35		11.25	2.45	2.75		13.75			25.3	5
Hydraulic Computations																	
Q100 (cfs)	Q	63		60.00		47.00		62.00		9.6	18	121		121	121		
5% Q100 (cfs)	Q-5		3.15		3.00		2.35		3.1	0.48	0.90		6.05			6.05	5.57
Discharge (cfs)	Qc	63.00	3.21	61.66	2.62	46.80	2.39	62.00	3.10	0.51	0.90	120.65	5.50	120.68	120.84	6.44	5.76
Velocity (fps)	V	6.31	3.38	7.67	3.20	5.54	3.18	6.53	3.52	2.63	2.68	7.20	3.69	6.38	7.98	4.05	5.09
Froud Number	F	1.29	1.15	1.69	1.13	1.20	1.12	1.36	1.14	1.18	1.04	1.25	1.19	1.07	1.43	1.20	1.65
Area (ft ^ 2)	A	10.03	0.95	8.07	0.81	8.45	0.75	9.50	0.88	0.19	0.34	16.75	1.41	18.92	15.16	1.59	1.13
Wetted Perimeter (ft)	WP	13.68	3.96	12.93	3.45	13.12	3.16	13.83	3.20	1.39	1.83	16.73	4.42	17.55	16.10	4.67	3.97
Hydraulic Radius (ft)	R	0.72	0.26	0.62	0.24	0.64	0.24	0.70	0.28	0.14	0.18	1.00	0.32	1.08	0.94	0.34	0.29
Top Width - Water Surface	Ww	13.56	3.52	12.68	3.28	12.66	3.00	13.34	2.97	1.24	1.64	16.28	4.24	17.06	15.68	4.48	3.82
RIPRAP COMPUTATIONS																	
d50=Vb^2/6.66		0.50	0.14	0.74	0.13	0.39	0.13	0.54	0.16	0.09	0.09	0.65	0.19	0.51	0.80	0.21	0.33
D RD50 3-4		0.64	0.12	1.15	0.11	0.48	0.11	0.71	0.13	0.08	0.08	0.79	0.16	0.45	1.07	0.17	0.34
Riprap Type		L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
Riprap D50 (in)		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9

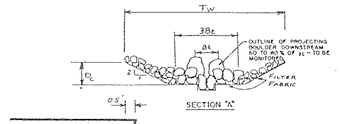




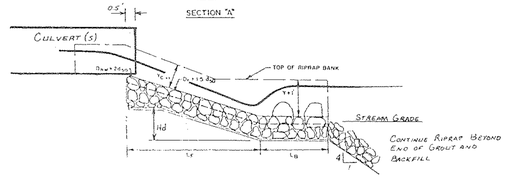
DETAIL 4

VEGETATION:

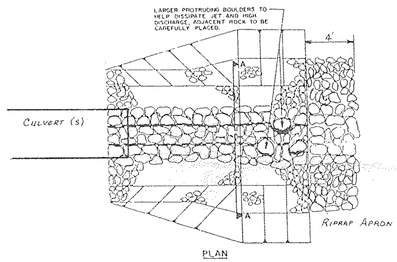
1. VEGETATION IS TO BE PLANTED WITH PROPER CARE AND HANDLING TO ENSURE PLANT GROWTH.
2. SOIL AMENDMENTS MAY BE REQUIRED.
3. INDIVIDUAL PLANTS ARE TO BE PLANTED ALONG EXISTING CHANNEL BANKS AT DISTANCES OD 12" to 18".



SECTION "A"



PROFILE

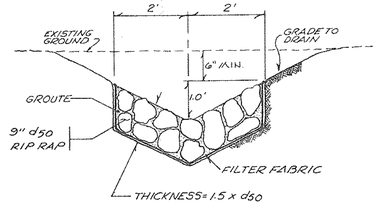


PLAN

DETAIL 2

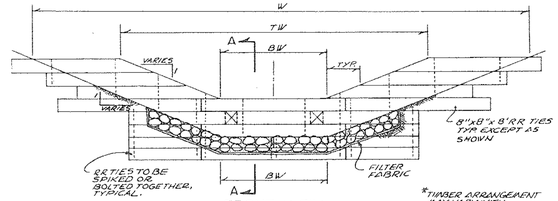
CULVERT OUTLET STRUCTURES

Outlet	C1	C2	C3	C4	C5	C7	C8	C9
Drainage Number	1	1	2	2	4	5	5	5
Number Of Pipes	1	2	2	2	1	1	2	1
Pipe #1 Dia. (ft)	3.5	1.5	1.5	2	1.5	3.5	2	5
Pipe #2 Dia. (ft)	0	2	2	1.5	0	0	3	0
Q100 (cfs)	60	61	63	47	18	121	121	121
Drop Amount (ft)	4.0	6.0	2.5	3.0	5.0	5.0	3.0	7.0
Drop Slope (ft/ft)	0.16	0.24	0.10	0.12	0.20	0.20	0.13	0.28
Geometry:								
Drop Reach Length (ft) Lf	25.00	25.00	25.00	25.00	25.00	25.00	20.00	25.00
Runout Length (ft) Lb	20.00	20.00	20.00	20.00	20.00	20.00	15.00	20.00
Bottom Width (ft) Bw	5.00	7.00	8.00	12.00	3.00	5.00	10.00	10.00
Sut Channel (ft) bt	1.67	2.33	3.00	4.00	1.00	1.67	3.33	3.33
Side Slope z	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Mannings n n	0.08	0.08	0.08	0.08	0.06	0.08	0.06	0.08
Slope (ft/ft) s	0.16	0.24	0.10	0.12	0.20	0.20	0.13	0.28
Water Depth (ft) Wd	1.162	0.893	1.026	0.718	0.696	1.611	1.330	1.052
Freeboard (ft) Fb	1.17	1.17	1.13	1.10	1.11	1.25	1.20	1.20
Total Channel Depth (ft) Dc	2.33	2.06	2.16	1.82	1.81	2.86	2.53	2.27
Channel Topwidth (ft) Tw	18.98	19.38	21.94	22.92	13.85	22.17	25.17	23.62
Feet of Drop Hd	4	6	2.5	3	5	5	3	7
Grout Thickness (ft) Dg	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Basin Depression (ft) B	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Hydraulics:								
Computed Discharge (cfs)	63.06	61.02	63.06	47.03	17.99	135.33	134.80	119.84
Velocity (fps)	6.39	7.06	5.07	4.84	5.08	8.54	7.24	8.68
Froud Number	1.24	1.49	0.99	1.04	1.27	1.48	1.26	1.66
Area (ft ^ 2)	9.86	8.64	12.44	10.13	3.54	15.84	18.61	13.81
Wetted Perimeter (ft)	12.35	12.65	15.51	16.53	7.40	15.19	18.41	16.64
Hydraulic Radius	0.80	0.68	0.80	0.61	0.48	1.04	1.01	0.83
Top Width - Water Surface (ft)	11.97	12.26	15.17	16.30	7.18	14.67	17.98	16.30
Riprap Sizing								
d50=Vb^2/6.66	0.52	0.63	0.32	0.27	0.33	0.92	0.66	0.95
D/RD50 3-4	0.83	0.69	0.24	0.30	0.43	1.22	0.80	1.41
Riprap Type	L	L	L	L	L	L	L	L
Riprap D50 (in)	9	9	9	9	9	9	9	9
Riprap Depth (in)	18	18	18	18	18	18	18	18



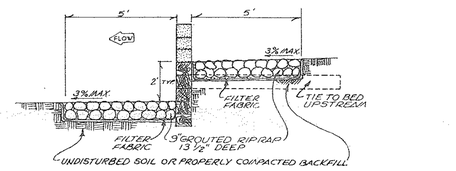
GROUTED SWALE -
MATCH TO 2' CURB CUT AT LOW END OF LYRIC POINT & MOONSTONE VIEW. IN POND #5 MATCH TO TRICKLE CHANNEL. PROVIDE 5'x5' ROCK PAD @ BASE OF SWALE BELOW MOONSTONE VIEW.

DETAIL 5



FRONT VIEW

*TIMBER ARRANGEMENT MAY VARY WITH EACH DROP.



SECTION A-A
WOODEN DROP

DETAIL 3

WOODEN LOW DROP STRUCTURES

	dp1-dp1.1		dp2.1-2.3		dp2.4-2.6		dp4.4-4		dp5.3-dp5.5	
GEOMETRY	Exist	FUTURE	Exist	FUTURE	Exist	FUTURE	Exist	FUTURE	Exist	FUTURE
Bottom Width (ft)	6.00	8.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
Side Slope (z)	4.00	4.00	4.00	4.00	3.00	3.00	3.00	3.00	4.00	4.00
Mannings n	0.04	0.07	0.04	0.08	0.04	0.08	0.040	0.070	0.04	0.06
Slope (ft/ft)	0.09	0.06	0.10	0.07	0.10	0.070	0.12	0.06	0.087	0.06
Water Depth (ft)	0.641	1.242	0.62	1.28	0.723	1.154	0.535	0.819	1.169	1.822
Freeboard (ft)	1.19	1.12	1.19	1.12	1.18	1.11	1.15	1.10	1.25	1.13
Total Channel Depth	2.0	2.4	2.0	2.4	1.9	2.3	1.7	1.9	2.4	3.0
Channel Topwidth	22.2	24.9	22.1	25.2	17.4	19.8	16.1	17.5	25.5	29.8
HYDRAULICS										
Discharge (cfs)	63.05	63.00	63.33	63.25	47.06	47.05	30.00	30.02	121.08	121.02
Velocity (fps)	8.01	4.62	8.32	4.44	7.97	4.31	7.37	4.35	9.50	5.00
Froud Number	1.79	0.68	1.86	0.64	1.86	0.63	1.95	0.66	1.85	0.61
Area (ft ^ 2)	7.88	13.62	7.61	14.23	5.91	10.92	4.07	6.89	12.74	24.21
Wetted Perimeter (ft)	12.84	18.24	12.76	18.56	10.17	13.30	8.38	11.18	13.78	21.02
Hydraulic Radius	0.61	0.84	0.60	0.86	0.58	0.82	0.43	0.62	0.81	1.15
Top Width - Water (ft)	12.73	15.94	12.56	18.24	10.34	12.92	9.21	10.90	15.49	20.58
RIPRAP SIZING										
d50=Vb^2/6.60	0.81	0.27	0.87	0.25	0.60	0.23	0.69	0.24	1.14	0.32
D/RD50 3-4	0.62	0.24	0.92	0.23	0.84	0.22	0.76	0.23	1.14	0.28
Drop Designs										
Existing Elevation Difference	24		44		36		66		35	
Stable Elevation Difference	19.7		33.5		26		53.6		24.9	
Design Drop Value	4.3		10.5		10		12.4		10.1	
	(328*.06 = 19.7)		(535-3.5*7.07 = 33)		(690-118)*.07 = 2		(5*07.08 = 53.6 ft			

Wooden Drop Design Parameters

Location	dp1-dp1.1	dp2.1-2.3	dp2.4-2.6	dp4.4-4	dp5.3-dp5.5
Number of Drops	3	6	2	6	5
Fieldstops	2	2	2	2	2
Total Feet of Drop	6	12	4	12	10
Trapezoidal opening (1),(2)					
Width Bw	8	6	8	8	8
Depth (3) D	2.4	2.4	2.3	1.9	3
Side Slope z	3	3	3	2	3
Top width Tw	20.4	20.4	18.8	13.6	24.0
Overall Topwidth (4) W	38.4	38.4	35.8	29.6	32.0
Riprap Type L	L	L	L	L	L
Riprap D50 (inches) D50	9	9	9	9	9
Riprap depth (inches) Dr	18	18	18	18	18
Approach Length La	5	5	5	5	5
Runout Length Lb	10	10	10	10	10
Layers of 8" ties					
Above crest	4	4	4	2	3
Below Crest	3	3	3	3	3
Key below crest	2	2	2	2	2
Total	9	9	9	7	10

NOTES:

(1) Drops all have trapezoidal openings of 6 feet bottom width (approximate existing channel) with various depths
(2) Trapezoidal channel dimensions pertain to the upstream approach, the downstream runout, and the trapezoid defined by the timber tie wall
(3) Depths include freeboard
(4) Width of trapezoidal channel plus 6 feet on each side if valley is wide enough

GENERAL NOTES:

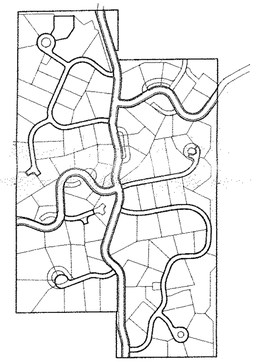
1. DIMENSIONS ON STRUCTURES MAY REQUIRE ADJUSTMENT TO MEET SITE SPECIFIC TOPOGRAPHY.
2. SPECIFIC SITES FOR DROP STRUCTURES WILL BE SELECTED BY KLH STAFF.
3. COLORADO SPRINGS UTILITIES GUIDELINES WILL BE ADHERED TO TO AVOID UTILITIES DAMAGE.

DATE: 4/14/92
PLOT: 4/14/92

KLH ENGINEERING, INC.
ENGINEERS / SURVEYORS / PLANNERS
206-208 SUTTON LANE, COLORADO SPRINGS, COLORADO 80907 719-594-4200

TITLE : SKYWAY HEIGHTS EROSION CONTROL DETAILS		
SHEET : 8 OF 8	DWG FILE : DTL-EROS	
VIEW DIRECTION :	DATE : 4/14/92	91-559-00
SCALE : N.T.S.	DRAWN BY : MFS	JOB NO.

SKYWAY HEIGHTS GRADING & EROSION CONTROL - NORTH



OVERALL VIEW

LEGEND

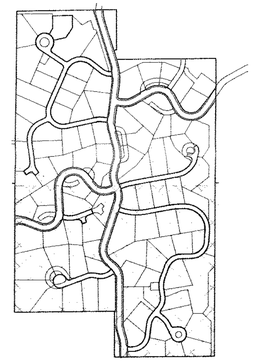
- 2' CONTOURS
- 10' CONTOURS
- PROPPOSED CONTOURS
- PROPERTY LINES
- PRESERVATION EASEMENTS
- TRICKLE CHANNEL SEE DETAIL 1 SHEET 8
- SLOPING DROP STRUCTURE SEE DETAIL 1 SHEET 8
- CULVERT OUTLET STRUCTURE SEE DETAIL 2 SHEET 8
- PIPE/CULVERT
- MAXIMUM WATER SURFACE AT OVERTOPING LEVEL

DATE: 4/23/92
PLOT: 4/27/92
XREF: SW-BASIN, INDEX, INTER, SKYPONDS, LOTS

KLH ENGINEERING, INC.
ENGINEERS / SURVEYORS / PLANNERS
206-208 SUTTON LANE, COLORADO SPRINGS, COLORADO 80907 719-594-4200

TITLE :	SKYWAY HEIGHTS GRADING & EROSION CONTROL		
SHEET :	6 OF 8	DWG FILE :	EROSCTL
VIEW DIRECTION :		DATE :	4/23/92
SCALE :	1"=50'	DRAWN BY :	RKN
		JOB NO.	91-559-00

SKYWAY HEIGHTS GRADING & EROSION CONTROL - SOUTH



OVERALL VIEW

THIS DRIVE WILL BE REMOVED
RESEED DISTURBED AREAS
SEE DETAIL 1/8
6"D-10'-R
CONSTRUCT 35' TRICKLE CHANNEL BEGINNING AT POND 5 OUTLET. SEE DETAIL 1/8
POND 5
CONSTRUCT GROUTED RIPRAP SWALE 90' LONG WITH 2' CURB CUTS. SEE DETAIL 5/8
BONNIE VISTA DRIVE
RESEED DISTURBED AREAS
THIS DRIVE WILL BE REMOVED
LYRIC POINTE (Private)
THIS DRIVE WILL BE REMOVED
RESEED AREAS DISTURBED OUTSIDE OF NEW CURB
PEGASUS DRIVE
CHARTWELL VIEW (Private)
6520
6480
PLANT VEGETATION ALONG CHANNEL FOR APPROXIMATELY 520' BEGINNING AT CULVERT OUTLET C4. SEE DETAIL 4/8
VEGETATION PLANTINGS ALONG CHANNEL
PHASE TWO
CONSTRUCT 35' TRICKLE CHANNEL BEGINNING AT OUTLET OF POND 3. SEE DETAIL 1/8
CONSTRUCT 50' SLOPING DROP STRUCTURE BEGINNING 35' FROM POND 3 OUTLET. SEE DETAIL 1/8
POND 3
6550
CONSTRUCT 50' SLOPING GRADE CONTROL STRUCTURE BEGINNING APPROXIMATELY 290' UPSTREAM OF POND 3 OUTLET. EARTHEN BERMS TO BE CONSTRUCTED AT UPSTREAM END. SEE DETAIL 8
WD1
WD2
CONSTRUCT 2 WOODEN DROP STRUCTURES WITH 2' CHANNEL DROP AT APPROXIMATELY 70-80' DISTANCES. SITES TO BE DETERMINED. SEE DETAIL 3/8
6580
VEGETATION PLANTINGS ALONG CHANNEL
PLANT VEGETATION ALONG CHANNEL FOR APPROXIMATELY 520' LF BEGINNING AT PROPERTY LINE (OP 2.1 TO OP 2.6) SEE DETAIL 4/8
PHASE THREE
6560
RESEED DISTURBED AREAS
RESEED AREAS DISTURBED OUTSIDE OF NEW CURB
THIS DRIVE WILL BE REMOVED
PHOENIX POINTE (Private)
PEGASUS DRIVE
EASEMENT
CONSTRUCT 70' TRICKLE CHANNEL BEGINNING AT POND 1 OUTLET SEE DETAIL 1/8
POND 1
6"D-10'-R SUMP
CONSTRUCT 25' SLOPING DROP STRUCTURE BEGINNING 70' FROM POND 1 OUTLET. SEE DETAIL 1/8
6620
6600
6590
6610
CONSTRUCT 6 WOODEN DROP STRUCTURES WITH 2' CHANNEL DROP AT 60'-100' DISTANCES. SITES TO BE DETERMINED. SEE DETAIL 3/8
WD3
WD4
WD1
C4
CONSTRUCT A SINGLE CULVERT OUTLET STRUCTURE (C4) AT OUTLET OF 24" & 18" CULVERTS. SEE DETAIL 2/8
CONSTRUCT 25' TRICKLE CHANNEL BEGINNING AT POND 2 OUTLET. SEE DETAIL 1/8
POND 2
42"D-10'-R
C2
C1
CONSTRUCT A SINGLE CULVERT OUTLET STRUCTURE (C2) AT OUTLET OF 18" & 24" CULVERTS. SEE DETAIL 2/8
CONSTRUCT CULVERT OUTLET STRUCTURE (C1) AT END OF 42" CULVERT. SEE DETAIL 2/8
CONSTRUCT 50' SLOPING DROP STRUCTURE BEGINNING 25' FROM OUTLET OF POND 4. SEE DETAIL 1/8
WD5
WD6
CONSTRUCT 25' TRICKLE CHANNEL BEGINNING AT OUTLET OF POND 4. SEE DETAIL 1/8
POND 4
6"D-10'-R SUMP
C3
CONSTRUCT SINGLE CULVERT OUTLET STRUCTURE AT END OF 18" & 24" CULVERTS. SEE DETAIL 2/8
6470
PLANT VEGETATION ALONG CHANNEL FOR APPROXIMATELY 230' BEGINNING AT CULVERT OUTLET (OP 1 TO OP 1.1) SEE DETAIL 4/8
6490
VEGETATION PLANTINGS ALONG CHANNEL
WD1
WD2
WD3
CONSTRUCT 3 WOODEN DROP STRUCTURES WITH 2' CHANNEL DROP EACH AT SITE TO BE SELECTED. SEE DETAIL 3/8
CONSTELLATION DRIVE
CHARTWELL VIEW (Private)
WHIMSY VIEW (Private)
6540
6530
6500
RESEED DISTURBED AREAS
GRADE BERM 2' HIGH X 100' LONG TO KEEP STREET FLOWS IN CONSTELLATION DR. FROM ENTERING PROPERTY.
GRADE BERM TO DIRECT FLOWS ONTO WHIMSY POINT.

N

LEGEND

- 2' CONTOURS
- 10' CONTOURS
- PROPOSED CONTOURS
- PROPERTY LINES
- PRESERVATION EASEMENTS
- TRICKLE CHANNEL SEE DETAIL 1 SHEET 8
- SLOPING DROP STRUCTURE SEE DETAIL 1 SHEET 8
- CULVERT OUTLET STRUCTURE SEE DETAIL 2 SHEET 8
- PIPE/CULVERT
- MAXIMUM WATER SURFACE AT OVERTOPING LEVEL

DATE: 4/23/92
PLOT: 4/27/92
XREF: SW-BASIN, INDEX, INTER, SKYPONDS, LOTS

KLH ENGINEERING, INC.
ENGINEERS / SURVEYORS / PLANNERS
206-208 SUTTON LANE, COLORADO SPRINGS, COLORADO 80907 719-594-4200

TITLE : SKYWAY HEIGHTS GRADING & EROSION CONTROL			
SHEET : 7 OF 8	DWG FILE : EROSCTL		
VIEW DIRECTION :	DATE : 4/23/92	91-559-00	
SCALE : 1"=50'	DRAWN BY : RKN	JOB NO.	

EROSION CONTROL/GRADING PLAN STATEMENTS

ENGINEER'S STATEMENT:

This Erosion Control/Grading Plan was prepared under my direction and supervision and is correct to the best of my knowledge and belief. If indicated and approved in accordance with this plan, the work will not pose a hazard to life and limb, endanger property or adversely affect the safty, use or stability of public way, drainage channel or other property.

Kent Rockwell, P.E. 25086 Date 5/20/1992

DEVELOPER'S STATEMENT:

I, the developer, have reviewed and will comply with all the requirements in this Erosion Control/Grading Plan.

BY: [signature] AGENT

TITLE: Skyway Heights Limited

ADDRESS: #1200 2 N. Cascade
Co Springs Co. 80919

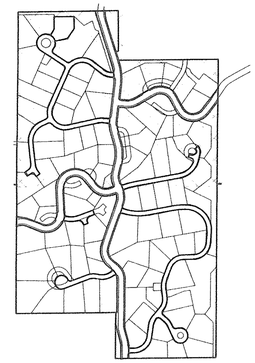
CITY OF COLORADO SPRINGS

Filed in accordance with Section 15-3-1501 of the Code of the City of Colorado Springs, 1980, as amended.

* [signature] P.E. 5/22/92
CITY ENGINEER DATE

SKYWAY HEIGHTS GRADING & EROSION CONTROL - NORTH

* PHASE ONE ONLY



OVERALL VIEW

NOTES: QUANTITIES
1.) UNLESS OTHERWISE IS SPECIFIED IN BID DOCUMENT.
2.) SLOPE BOTTOM OF PONDS TO DRAIN AT 1.20 MIN.
3.) MAX. SIDE SLOPE IN PONDS TO BE 2.5:1

SCALE: 1"=50'

LEGEND

- 2' CONTOURS
- 10' CONTOURS
- PROPROSED CONTOURS
- PROPERTY LINES
- PRESERVATION EASEMENTS
- TRICKLE CHANNEL SEE DETAIL 1 SHEET 8
- SLOPING DROP STRUCTURE SEE DETAIL 1 SHEET 8
- CULVERT OUTLET STRUCTURE SEE DETAIL 2 SHEET 8
- PIPE/CULVERT
- MAXIMUM WATER SURFACE AT OVERTOPING LEVEL

DATE: 5/19/92
PLOT: 5/19/92
XREF: SW-BASIN, INDEX, INTER, SKYPONDS, LOTS

KLH ENGINEERING, INC.
ENGINEERS / SURVEYORS / PLANNERS
205-215 SUTTON LANE, COLORADO SPRINGS, COLORADO 80907 719-594-4200

SKYWAY HEIGHTS
GRADING & EROSION CONTROL

TITLE:	DWG FILE:	EROSCTL
SHEET 2 OF 8	DATE:	5/19/92
VIEW DIRECTION:	DRAWN BY:	RKN
SCALE: 1"=50'	JOB NO.	91-559-00