

MANLEY SUBDIVISION FILING NO. 2

A PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 22, TOWNSHIP 13 SOUTH, RANGE 64 WEST, OF THE 6th P.M., COUNTY OF EL PASO, STATE OF COLORADO

DESIGN POINT SUMMARY

DESIGN POINT	CONTRIB SUB BASINS	TOTAL AREA (acres)	EXISTING/PROP. RUNOFF		HYDROLOGIC METHOD
			Q5 (cfs)	Q100 (cfs)	
1	OS 1	208.56	19.2	88.0	TR55 and Rational Method
2	OS 1, A, D, E	231.60	20.4	92.5	TR55 and Rational Method
3	B	13.82	3.7	27.3	Rational Method
4	OS 1, A, D	229.40	23.4	116.1	TR55 and Rational Method

NOTES: The quantity of runoff for both the existing and proposed runoff is the same since no development is, or construction is, to occur.

SWALE HYDRAULIC SUMMARY

SWALE #	CONTRIBUTING SUBBASINS	LOCATION	SLOPE %	DESIGN FLOW		DEPTH OF FLOW		VELOCITY		FROUDE #	
				Q5 cfs	Q100 cfs	Q5 ft	Q100 ft	Q5 fps	Q100 fps	5 year	100 year
1				OUTSIDE SCOPE OF THIS STUDY							
2	OS 1, A, D	SEE MAP	3.0	23.4	116.1	0.6	1.2	4.9	7.3	1.38	1.52
3				OUTSIDE SCOPE OF THIS STUDY							
4				OUTSIDE SCOPE OF THIS STUDY							
5	B	INSIDE SB	3.5	3.7	27.3	0.3	0.7	3.2	5.6	1.29	1.49
6				OUTSIDE SCOPE OF THIS STUDY							
7				OUTSIDE SCOPE OF THIS STUDY							
8	OS 1, A, D, E	DP4 TO DP2	3.5	23.8	119.1	0.6	1.3	5.2	7.7	1.47	1.63

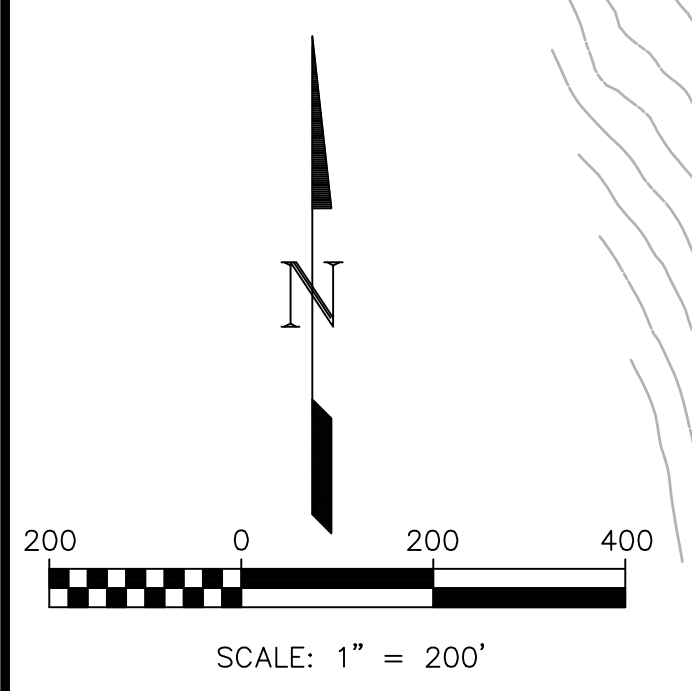
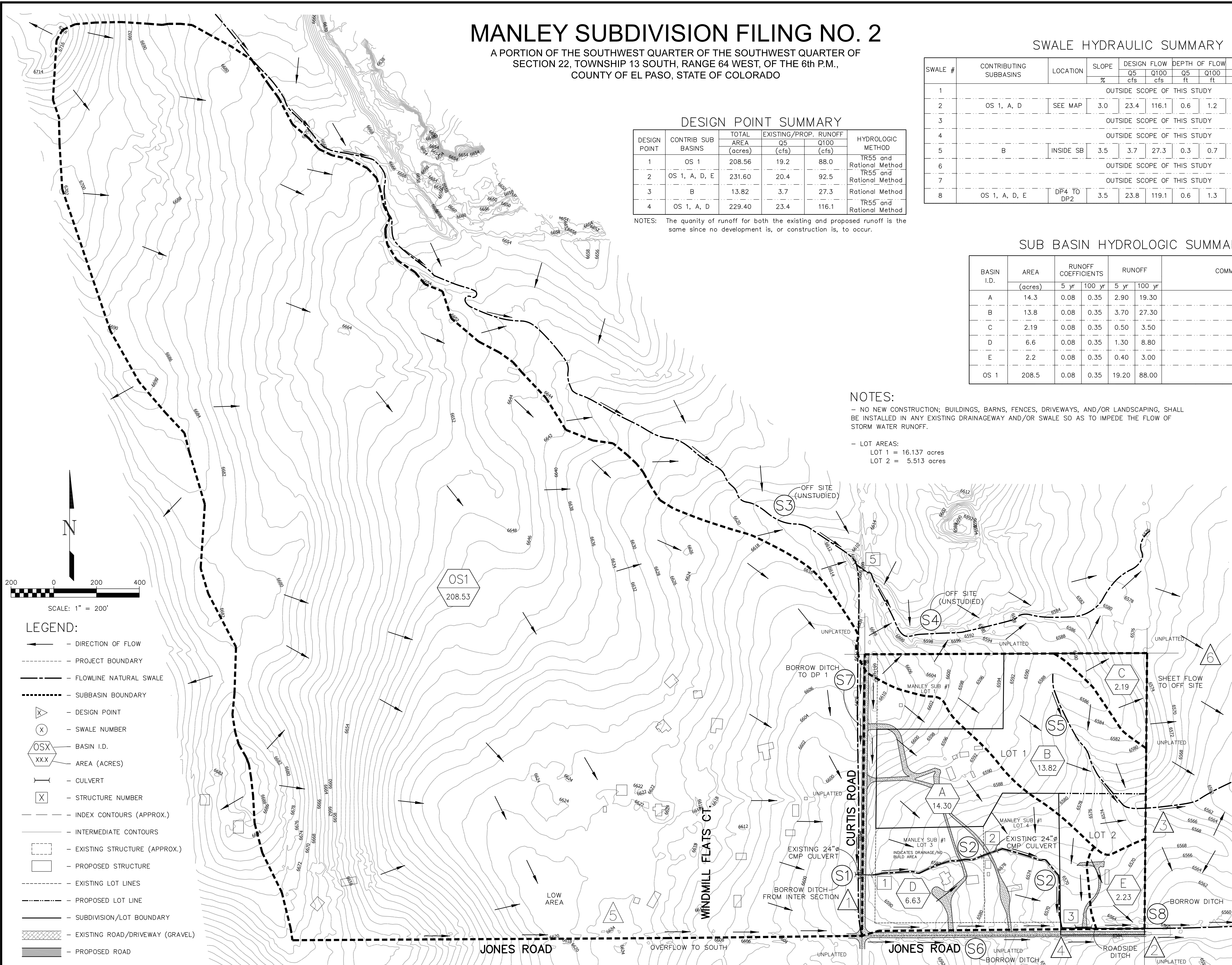
SUB BASIN HYDROLOGIC SUMMARY

BASIN I.D.	AREA (acres)	RUNOFF COEFFICIENTS		RUNOFF		COMMENTS
		5 yr	100 yr	5 yr	100 yr	
A	14.3	0.08	0.35	2.90	19.30	
B	13.8	0.08	0.35	3.70	27.30	
C	2.19	0.08	0.35	0.50	3.50	
D	6.6	0.08	0.35	1.30	8.80	
E	2.2	0.08	0.35	0.40	3.00	
OS 1	208.5	0.08	0.35	19.20	88.00	

NOTES:

- NO NEW CONSTRUCTION: BUILDINGS, BARNs, FENCES, DRIVEWAYS, AND/OR LANDSCAPING, SHALL BE INSTALLED IN ANY EXISTING DRAINAGEWAY AND/OR SWALE SO AS TO IMPEDE THE FLOW OF STORM WATER RUNOFF.

- LOT AREAS:
LOT 1 = 16.137 acres
LOT 2 = 5.513 acres



LEGEND:

- DIRECTION OF FLOW
- PROJECT BOUNDARY
- FLOWLINE NATURAL SWALE
- SUBBASIN BOUNDARY
- DESIGN POINT
- SWALE NUMBER
- BASIN I.D.
- AREA (ACRES)
- CULVERT
- STRUCTURE NUMBER
- INDEX CONTOURS (APPROX.)
- INTERMEDIATE CONTOURS
- EXISTING STRUCTURE (APPROX.)
- PROPOSED STRUCTURE
- EXISTING LOT LINES
- PROPOSED LOT LINE
- SUBDIVISION/LOT BOUNDARY
- EXISTING ROAD/DRIVEWAY (GRAVEL)
- PROPOSED ROAD

According to Colorado law, no action shall be taken by any person who is not a duly licensed professional engineer or surveyor in no event, may any action be taken by any person who is not a duly licensed professional engineer or surveyor until ten years from the date of the certification shown herein.

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44 CURBS, REPAIRS, AND MARKING FOR LOCATING AND MARKING GAS, ELECTRIC, WATER AND WASTEWATER

REVISIONS

No.	Description	By	Date
1	UPDATED SUMMARY TABLES	DAS	03/01/24

H Scale: 1" = 200'
V Scale: N/A
Designed By: KCH
Drawn By: DAS
Checked By: KCH
Date: 02/15/2022

Land Development Consultants, Inc.
PLANNING · SURVEYING

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DRAINAGE PLAN OF EXISTING CONDITIONS

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