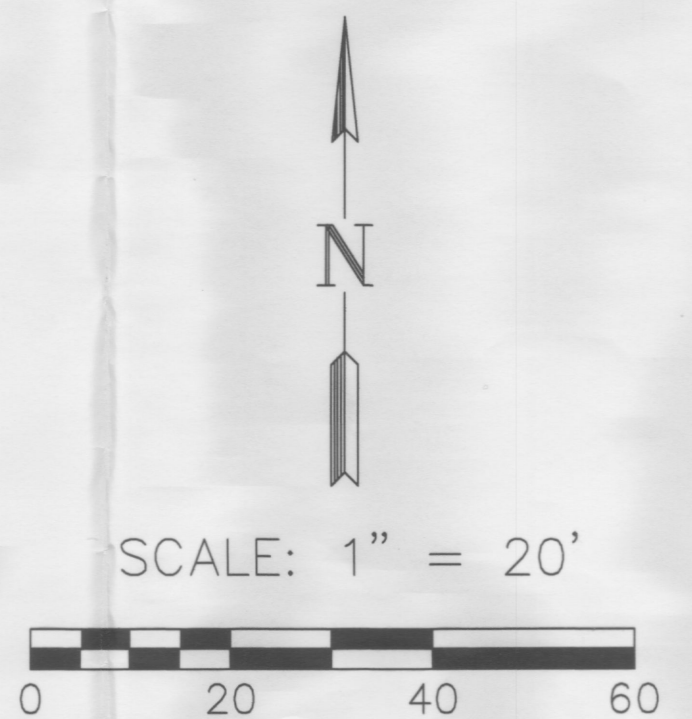




- O_2 99.4%
 48.8% B
 51.2% D
 $\rightarrow 3.48 \text{ cf/s}$
 $\rightarrow 5268 \text{ ft}^3$

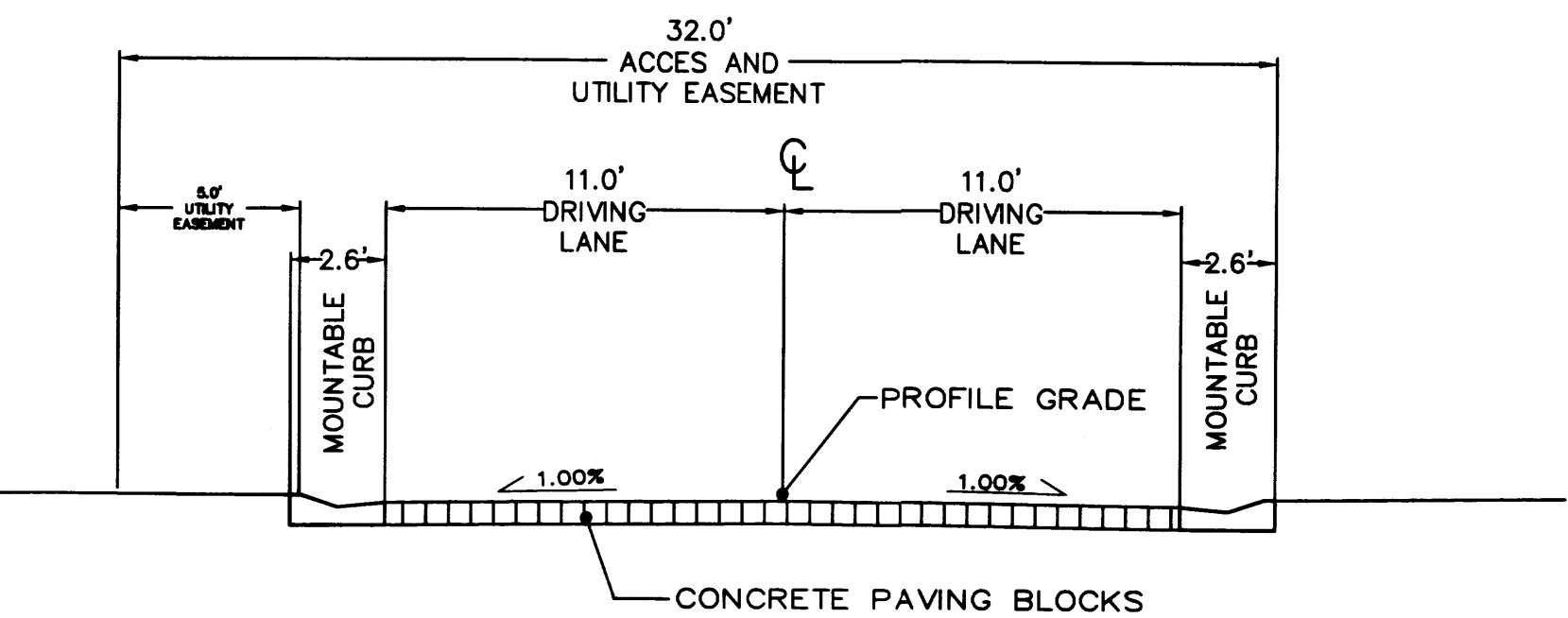
- Resource Technology, Inc.**
- | | |
|------------------------|--|
| Civil Engineering | 5501 Jefferson Blvd. NE, Suite 200 |
| Environmental Sciences | Albuquerque, New Mexico 87109 |
| Water Resources | E-mail: rtm@earthlink.net |
| Landscape Architecture | Telephone: (505) 243-7300 |
| Planning | Facsimile: (505) 243-7400 |

<u>STORM DRAIN DATA TABLE</u>				
KEYED NOTE	DESCRIPTION	STA	OFFSET	INV ELEV
A	NEW TYPE D DROP INLET PER COA STD DWG 2206	11+70.2	12.6 L	4959.9
B	NEW TYPE E MANHOLE PER COA STD DWG 2102	11+58.7	6.8 R	4957.8
C	NEW TYPE D DROP INLET PER COA STD DWG 2206	11+70.9	38.6 R	4960.9
D	EX. SD MANHOLE	10+21.3	23.5 L	4956.4

- |  <div style="display: inline-block; vertical-align: middle; text-align: center;"> CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING GROUP </div> | | | | | | | | | | | | | | | |
|---|------------------------|--------------------|--|-------------|-------------|--|--|--|--|--|--|--|--|--|--|
| LOTS 13&14,BLK 6, EDWARD KROGH ADDN
PROPOSED LOTS 1 THRU 5.
GRADING AND DRAINAGE PLAN | | | | | | | | | | | | | | | |
| Design Review Committee | City Engineer Approval | Last Design Update | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Mo./Day/Yr.</th> <th style="width: 50%;">Mo./Day/Yr.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table> | Mo./Day/Yr. | Mo./Day/Yr. | | | | | | | | | | |
| Mo./Day/Yr. | Mo./Day/Yr. | | | | | | | | | | | | | | |
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| PROJECT NO. | MAP NO. | SHEET | | | | | | | | | | | | | |
| 999999 | H-13 | 1 OF 2 | | | | | | | | | | | | | |



SCALE:
HORIZONTAL: 1" = 20.0'
VERTICAL: 1" = 2.0'



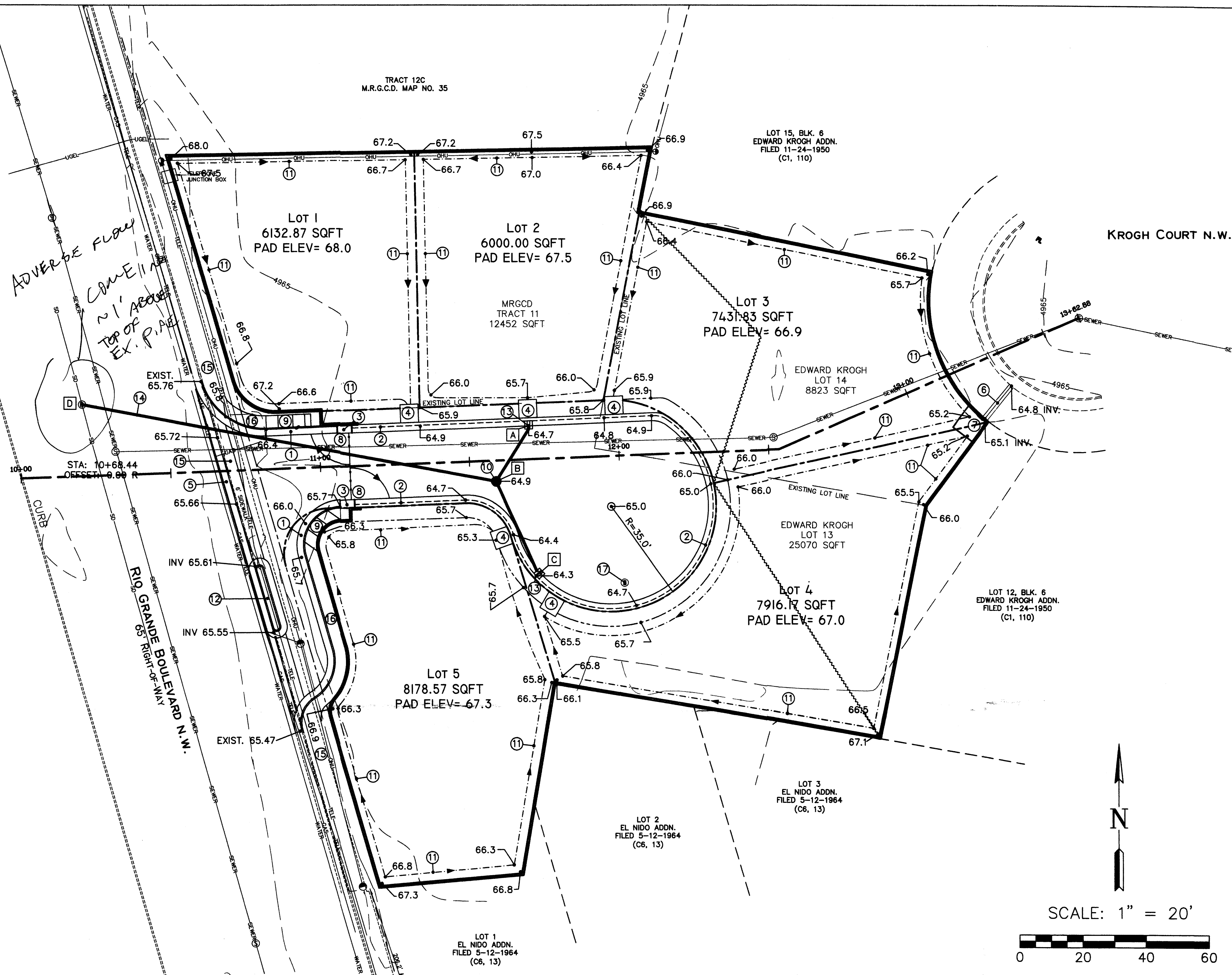
TYPICAL PAVING SECTION
(VIEWED IN DIRECTION OF INCREASING STATIONS)

KEYED NOTES:

- (20) MOUNTABLE CURB PER COA STD DWG 2415A
- (21) LANDSCAPED YARD. GRADE TO DRAIN TO SIDEWALK CULVERT - SEE PLAN, SHEET 1
- (22) ~~RAISE EXISTING SAS M.H. COVER TO ELEV 4966.4~~
GRADE TO DRAIN AWAY FROM M.H. COVER
- (23) SEE PAVING SECTION THIS SHEET
- (24) MIN. 3' SEPARATION BETWEEN NEW SD AND EXISTING SAS AT CROSSOVER STA'S 10+29.0 AND 10+97.8

NOTE: UTILITY INFORMATION SHOWN HEREON PER FIELD INSPECTION AND CITY OF ALBUQUERQUE UTILITY RECORDS. ACTUAL LOCATION SHOULD BE FURTHER VERIFIED BEFORE BEGINNING CONSTRUCTION AND ANY DISCREPANCIES REPORTED TO THE ENGINEER.

		Resource Technology, Inc. Civil Engineering Environmental Sciences Water Resources Landscape Architecture Planning		5501 Jefferson Blvd. NE, Suite 200 Albuquerque, New Mexico 87109 E-mail: rti@nm.net Telephone: (505) 243-7300 Facsimile: (505) 243-7400		NO. DATE		DESIGNED BY DRAWN BY CHECKED BY	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP									
TITLE: LOTS 13&14, BLK 6, EDWARD KROGH ADDN PROPOSED LOTS 1 THRU 5. STORM DRAIN AND GRADING DETAILS									
Design Review Committee			City Engineer Approval			Mo./Day/Yr.		Mo./Day/Yr.	
PROJECT NO. 999999			MAP NO. H-13			SHEET 2 OF 2			



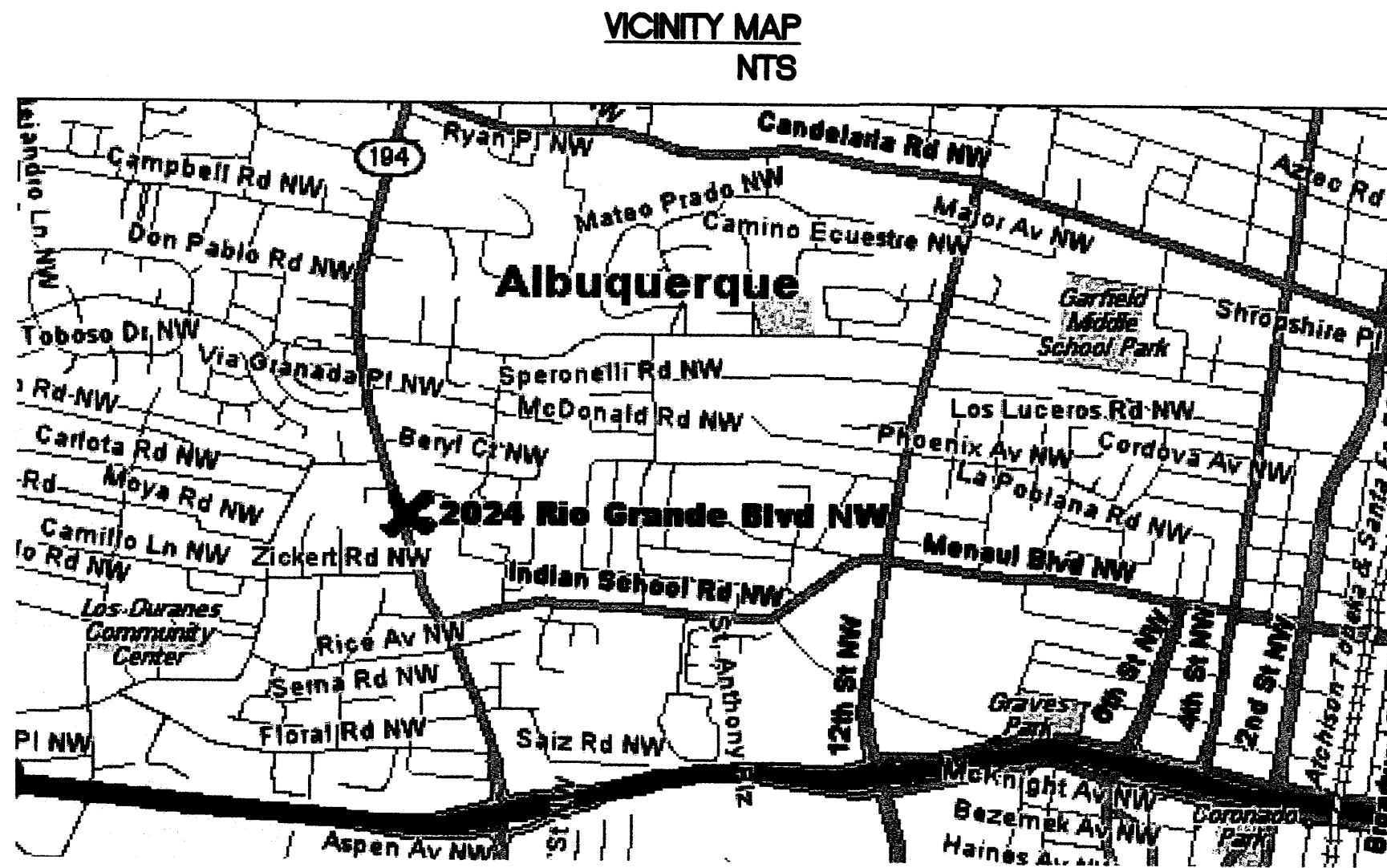
DRAINAGE NOTES

EXISTING: THIS 0.99 ACRE LOT SITS IN A TOPOGRAPHICAL DEPRESSION. STREETS WITH CURB & GUTTER AND SIDEWALKS, AND DEVELOPED LOTS SURROUND THIS SITE. ALL OF THESE IMPROVED AREAS DRAIN AWAY FROM THE SITE, SUCH THAT THERE IS NO OFF-SITE RUNOFF ONTO THE SITE. ON-SITE PRECIPITATION PONDS ON-SITE AND INFILTRATES OR EVAPORATES WITH TIME.

PROPOSED: THE SITE WILL BE DIVIDED INTO 5 LOTS AND A STREET WITH A CUL-DE-SAC. LOTS 1, 2, 5, AND HALF EACH OF LOTS 3 & 4 WILL DRAIN TO THE CUL-DE-SAC WHERE A STORM DRAIN WILL CONNECT TO THE EXISTING STORM DRAIN IN RIO GRANDE BLVD. THE REMAINING HALVES OF LOTS 3 & 4 WILL DRAIN TO KROGH CT THROUGH A SIDEWALK CULVERT WHICH WILL EXTEND UNDER THE PROPOSED PERIMETER WALL. THE 50% SPLIT FOR LOTS 3 & 4 BETWEEN THE TWO DRAINAGES MAY VARY SLIGHTLY DEPENDING UPON HOUSE FOOTPRINT, ROOF DRAIN LOCATION AND LANDSCAPING.

DRAINAGE CALCULATIONS

SEE SHEET 2.



LEGEND

- PROPERTY LINE
LOT LINE
APPROX. DRAINAGE DIVIDE
SWALE
SPOT ELEV
SETBACK
STD C&G
MOUNTABLE C&G
VALLEY GUTTER
DROP INLET
MANHOLE
18" STORM DRAIN
PERIMETER WALL
SIDEWALK CULVERT
ADA RAMP
GATES
EXIST. UTILITIES
EXIST. STD C&G
EXIST. MANHOLE
INDEX CONTOUR
INTERMED. CONTOUR

GENERAL NOTES

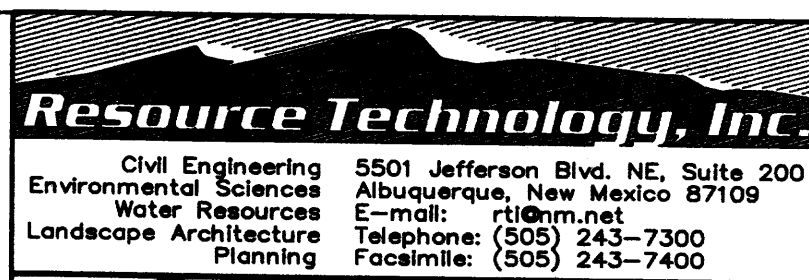
- 1.) ADD 4900 TO ALL ELEVATIONS ON THIS PLAN.
- 2.) UTILITY INFORMATION SHOWN HEREON PER FIELD INSPECTION AND CITY OF ALBUQUERQUE UTILITY RECORDS. ACTUAL LOCATION SHOULD BE FURTHER VERIFIED BEFORE BEGINNING CONSTRUCTION AND ANY DISCREPANCIES REPORTED TO THE ENGINEER.
- 3.) REF. FIRM # 35001C0331D. SITE IS IN FEMA ZONE X FOR AREAS PROTECTED BY RIO GRANDE (RIVER) LEVEES.

KEYED NOTES:

- 1) STD. C&G PER COA STD DWG 2415A
- 2) MOUNTABLE C&G PER COA STD DWG 2415A
- 3) 10.0' TRANSITION FROM MOUNTABLE C&G TO STD C&G PER COA STD DWG 2418
- 4) DRIVE PAD OR 6.0' X 6.0' CONC. PAD TRANSITION FROM SWALE SECTIONS TO BACK OF MOUNTABLE CURB
- 5) 6.0' VALLEY GUTTER PER COA STD DWG 2420
- 6) (2) 1.0' X 15.0' SIDEWALK CULVERT PER COA STD DWG 2236. PUBLIC WORK ORDER REQUIRED FOR THIS PART OF CONSTRUCTION.
- 7) 6.0' X 6.0' CONC. PAD TRANSITION FROM SWALE SECTION TO SIDEWALK CULVERT. SECURITY WALL TO BE CONSTRUCTED ON TOP OF SW END OF CULVERT.
- 8) SECURITY GATES WITH AREA OF SWING INDICATED
- 9) WHEELCHAIR RAMP PER COA STD DWGS 2440, 2441, 2418
- 10) NEW TYPE E MANHOLE PER COA STD DWG 2102
- 11) LANDSCAPED PERIMETER DRAINAGE SWALE, 0.5' DEEP AGAINST WALLS, 1.0' DEEP ELSEWHERE, 3H:1V SIDE SLOPES.
- 12) NEW CURB WITH KEYPAD FOR GATED ENTRANCE
- 13) NEW TYPE D INLET PER COA STD DWG 2206
- 14) NEW 18" DIA STORM DRAIN. SEE PNP SHEET 2. PUBLIC WORK ORDER REQUIRED FOR THIS PART OF CONSTRUCTION.
- 15) EXISTING 6' SIDEWALK
- 16) PROPOSED 4' SIDEWALK PER COA STD DWG 2430
- 17) EXISTING MH CANNOT BE OPENED AND APPEARS TO BE A REMNANT OF ABANDONED SAS. MUST BE OPENED AND INSPECTED, IF LIVE RAISE RIM. IF ABANDONED REMEDIATE PROPERLY.

STORM DRAIN DATA TABLE

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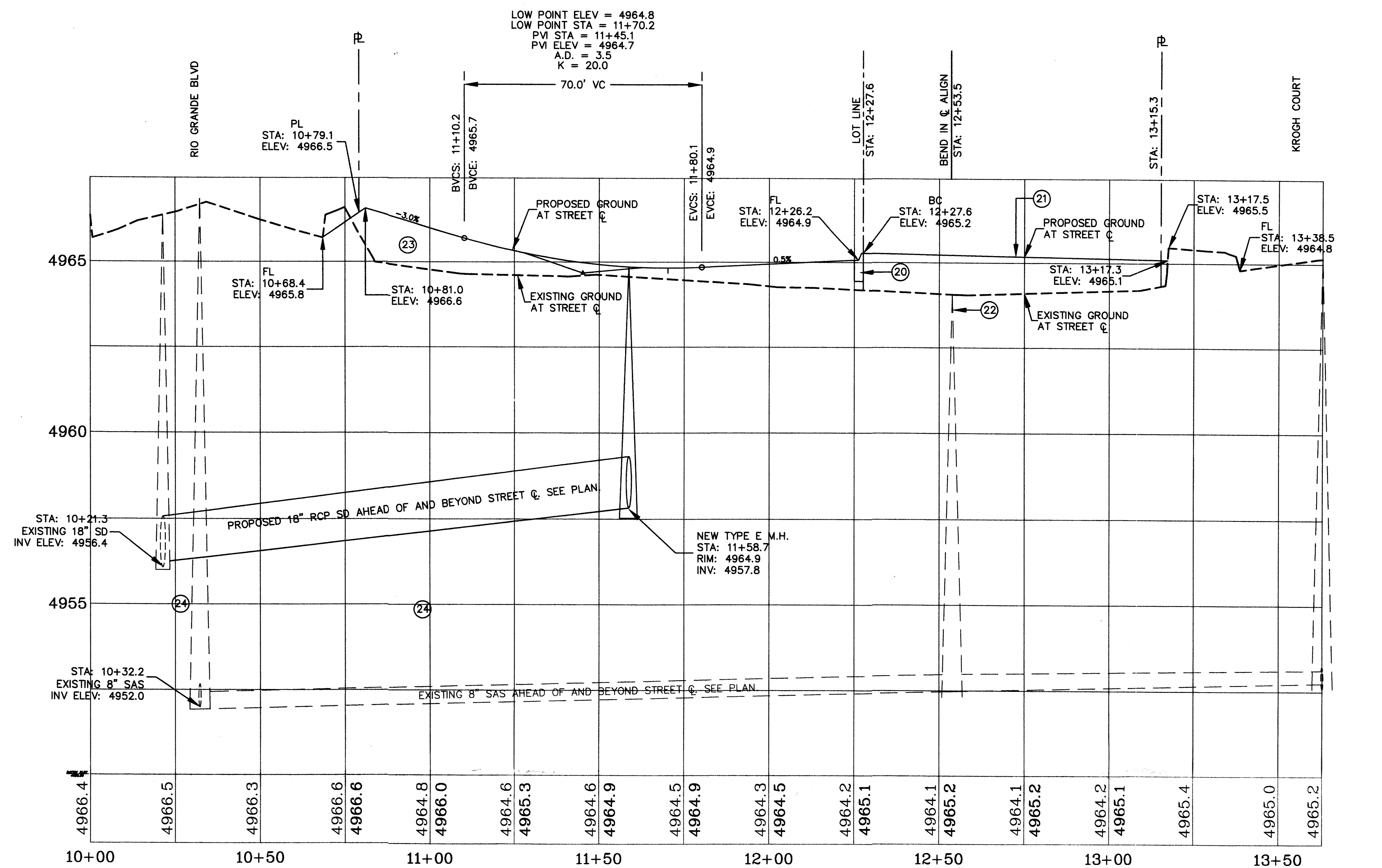
CITY OF ALBUQUERQUE
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LOTS 13&14, BLK 6, EDWARD KROGH ADDN
PROPOSED LOTS 1 THRU 5.
GRADING AND DRAINAGE PLAN

Design Review Committee City Engineer Approval

Mo./Day/Yr. Mo./Day/Yr.

PROJECT NO. 999999 MAP NO. H-13 SHEET 1 OF 2

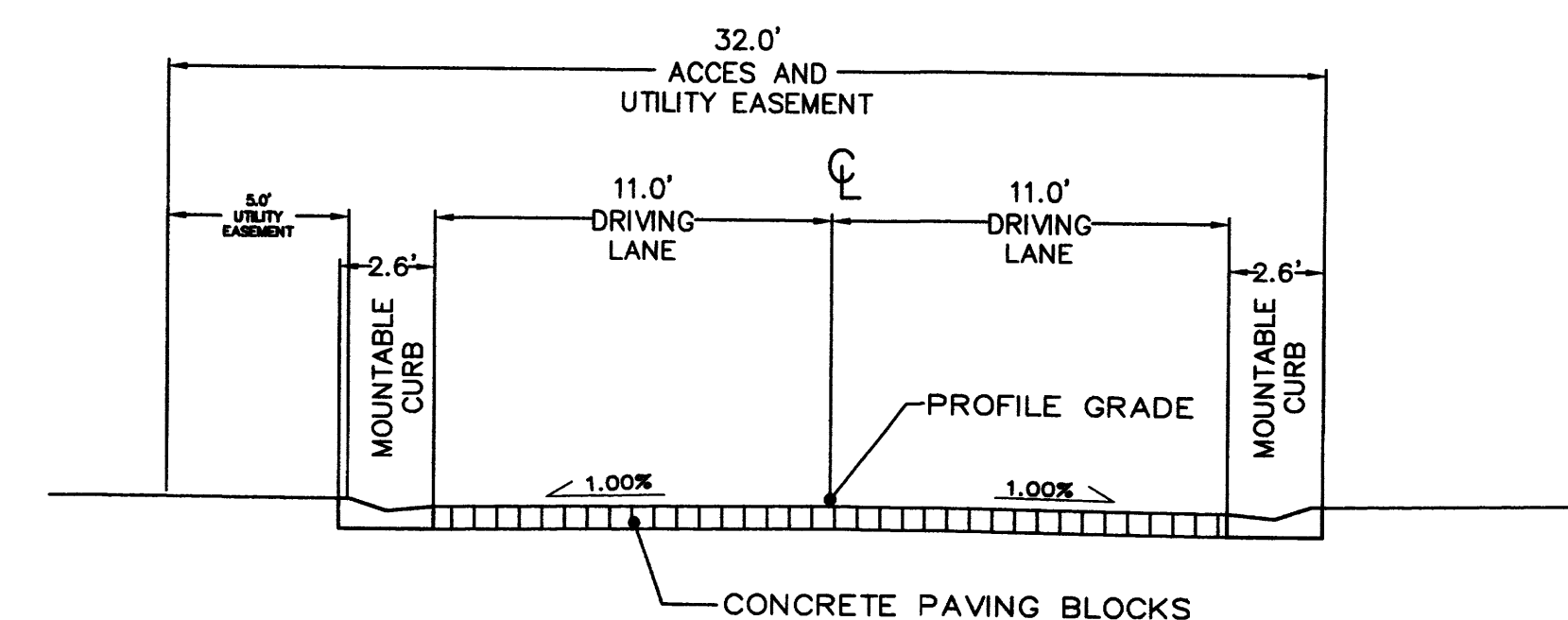


STORM DRAIN AND GRADING PROFILE

SCALE:
HORIZONTAL: 1" = 20.0'
VERTICAL: 1" = 2.0'

DRAINAGE CALCULATIONS

	EXISTING LOT	PROPOSED CONDITIONS							DRAINS TO	
		LOT 1	LOT 2	LOT 3	LOT 4	LOT 5	CUL DE SAC	SITE TOTAL	RIO GRANDE	KROGH CT
Drainage Area (Ac)	0.99	0.14	0.14	0.17	0.18	0.20	0.16	0.99	0.81	0.18
Area Draining to Rio Grande Blvd (Ac)	0.00	0.14	0.14	0.09	0.09	0.20	0.16	0.81		
Area Draining to Krogh Ct (Ac)	0.00	0.00	0.00	0.08	0.09	0.00	0.00	0.18		
Land Treatment	84% B 16% D	53% B 47% D	57% B 43% D	63% B 37% D	65% B 35% D	55% B 45% D	100% D	49% B 51% D	47% B 53% D	64% B 36% D
6-Hr Q-Peak (cfs)										
2-Yr	0.36	0.13	0.12	0.13	0.13	0.18	0.30	0.98	0.83	0.13
10-Yr	1.29	0.23	0.27	0.30	0.31	0.39	0.50	2.05	1.71	0.31
100-Yr	2.64	0.48	0.46	0.54	0.56	0.67	0.80	3.48	2.89	0.57
100-Yr Vol. (ac-ft)										
6-Hr	0.08	0.02	0.02	0.02	0.02	0.02	0.03	0.12	0.10	0.02
24-Hr	0.09	0.02	0.02	0.02	0.02	0.03	0.03	0.14	0.12	0.02
4-Day	0.10	0.02	0.02	0.02	0.02	0.03	0.04	0.16	0.14	0.02
10-Day	0.10	0.03	0.02	0.03	0.03	0.04	0.05	0.19	0.16	0.03



TYPICAL PAVING SECTION
(VIEWED IN DIRECTION OF INCREASING STATIONS)

KEYED NOTES:

- ②0 MOUNTABLE CURB PER COA STD DWG 2415A
- ②1 LANDSCAPED YARD. GRADE TO DRAIN TO SIDEWALK CULVERT - SEE PLAN, SHEET 1
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5501 Jefferson Blvd. NE, Suite 200
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CITY OF ALBUQUERQUE
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PROPOSED LOTS 1 THRU 5.
STORM DRAIN AND GRADING DETAILS

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.

PROJECT NO. 999999 MAP NO. H-13 SHEET 2 OF 2

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		FIELD NOTES	
CONTRACTOR	DATE	INSPECTOR	DATE	NO.	BY	DATE	
WORKED BY	DATE	ACCEPTANCE BY	DATE				
VERIFIED BY	DATE	VERIFICATION BY	DATE				
DRAWINGS	DATE	CORRECTED BY	DATE				
MICRO-FILM INFORMATION							
RECORDED BY	DATE						
NO.							

