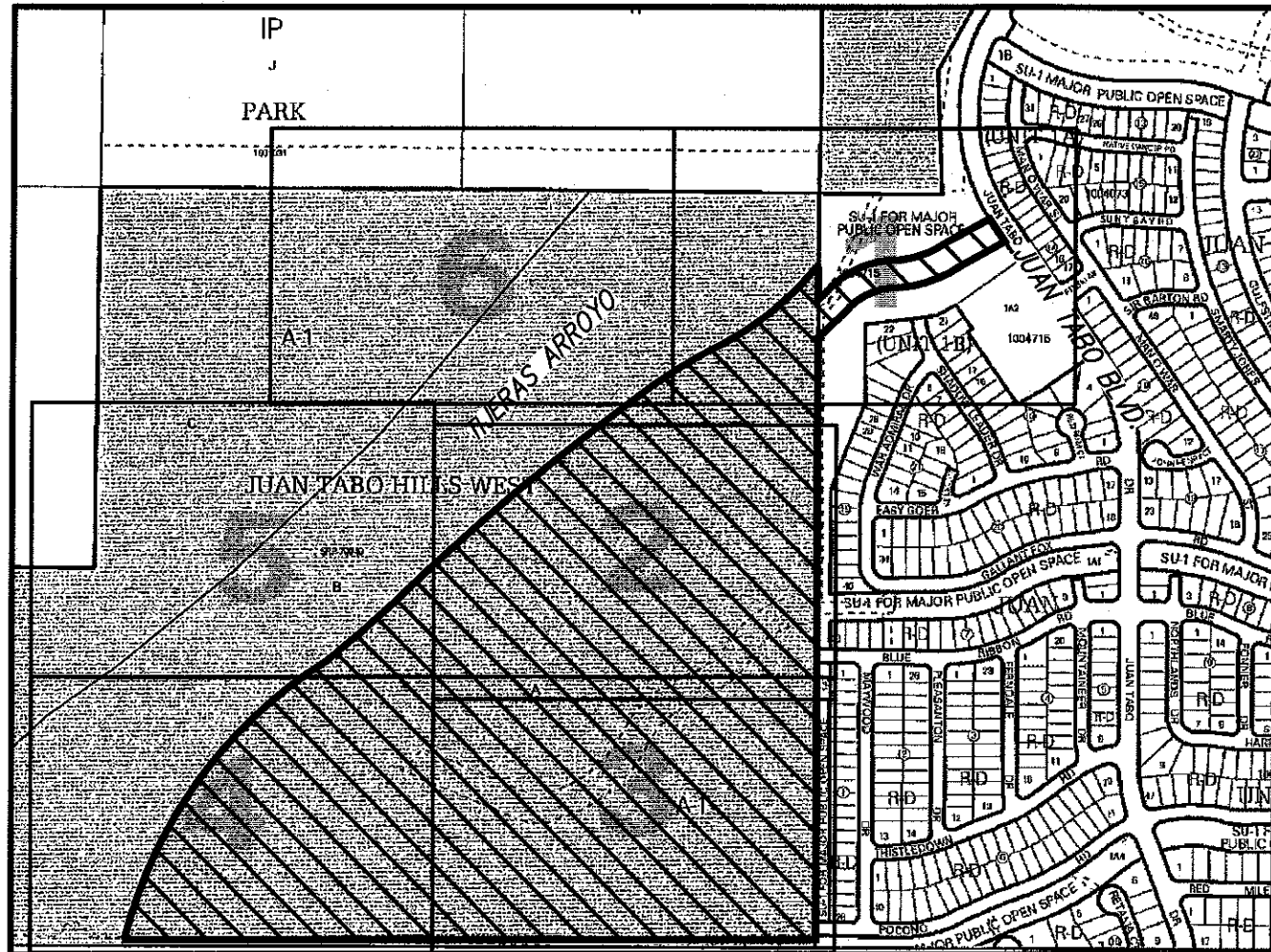


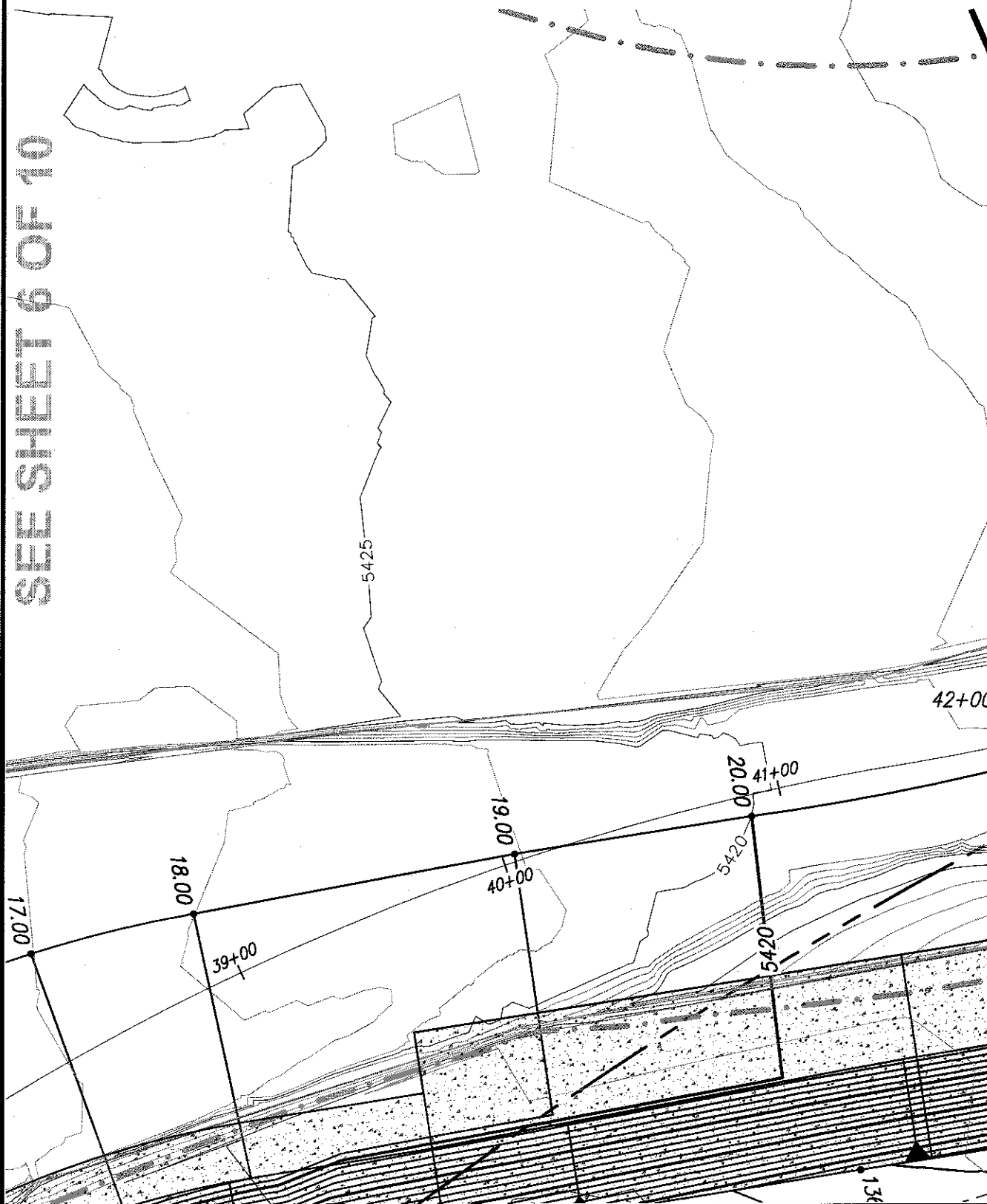


VICINITY MAP ZONE MAP: M-21

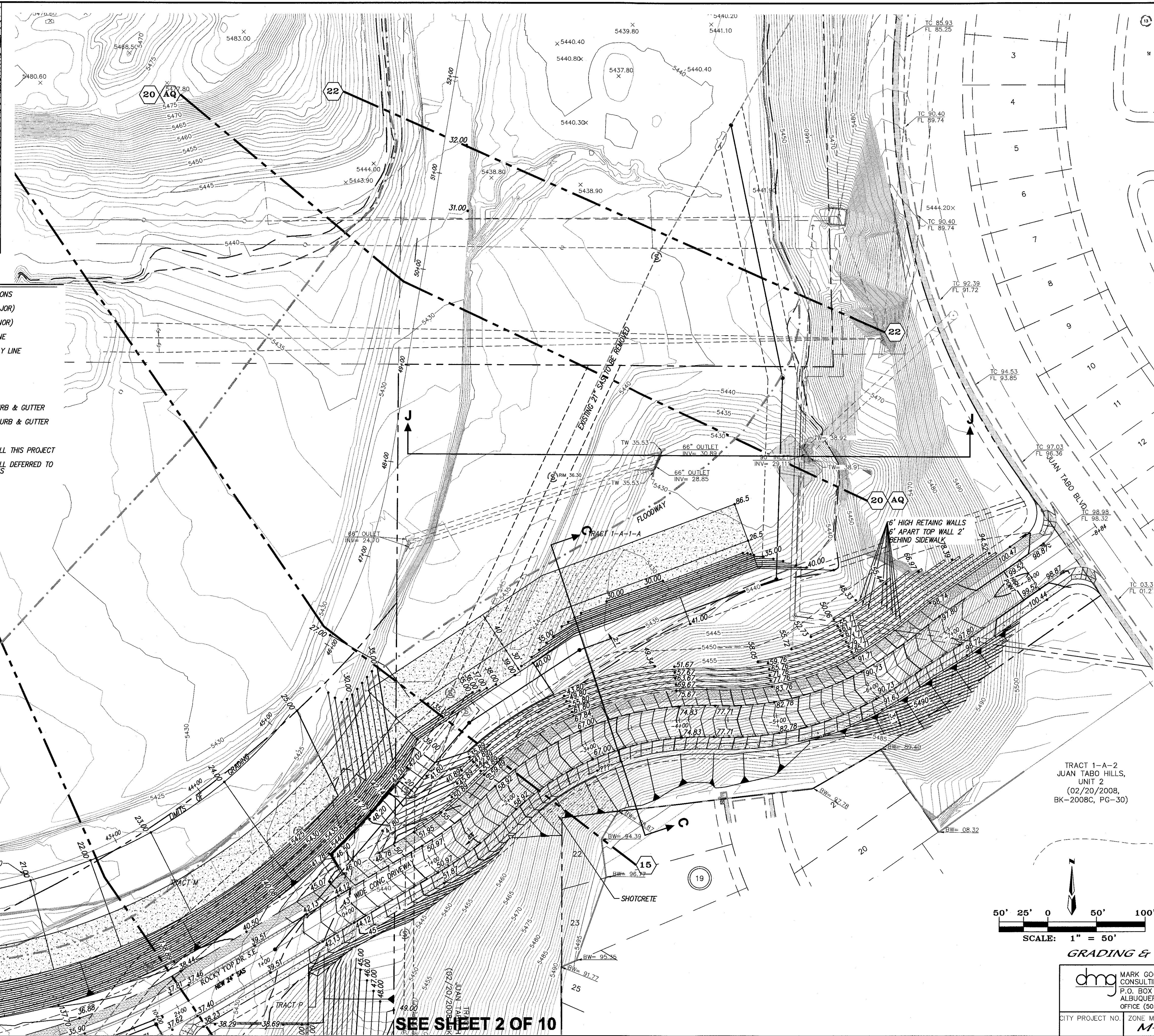
LEGEND

- | | | |
|-------------------------------|----------|--|
| EXIST. HANDRAIL | • 29.29 | NEW SPOT ELEVATIONS |
| EXIST. CONCRETE CURB | — 5390 — | NEW CONTOUR (MAJOR) |
| EXIST. CONCRETE/SIDEWALK | — 5386 — | NEW CONTOUR (MINOR) |
| EXIST. WALL OR HEAD WALL | — — | NEW BOUNDARY LINE |
| EXIST. TOP CURB/FLOWLINE | — — | NEW RIGHT-OF-WAY LINE |
| EXIST. SPOT ELEV. | — — | NEW LOT LINE |
| EXIST. GUY WIRE | — — | NEW CENTERLINE |
| EXIST. MONITOR WELL | — — | NEW EASEMENT |
| EXIST. OVERHEAD ELECTRIC | — — | NEW STANDARD CURB & GUTTER |
| EXIST. POWER POLE | — — | NEW MOUNTABLE CURB & GUTTER |
| EXIST. SANITARY SEWER MANHOLE | — — | NEW SIDEWALK |
| EXIST. STORM DRAIN MANHOLE | — — | NEW RETAINING WALL THIS PROJECT |
| EXIST. WATER VALVE | — — | NEW RETAINING WALL DEFERRED TO THE HOME BUILDERS |
| EXIST. WATER METER | — — | |

- LIMITS 100 YEAR FLOOD PLAIN
- LIMITS 500 YEAR FLOOD PLAIN
- LIMITS OF FLOODWAY
- LIMITS AO ZONE
- (13) BLOCK NUMBER INDENTITY



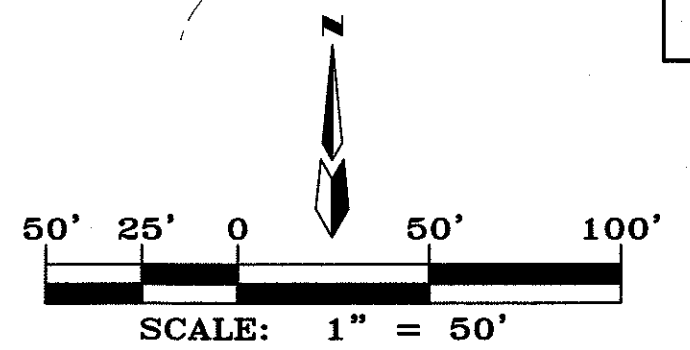
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AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN	
CONTRACTOR	WORK ORDER NO.	DATE	DATE	DATE	DATE	DATE	DATE	NO.	DATE	DATE	DATE
STATION "5-M22" IS LOCATED 8.7 MI. SE OF DOWNTOWN ALBUQUERQUE	ON THE EAST SIDE OF THE MUNICIPAL LIMITS LINE IN THE FOUR HILLS	DATE	DATE	DATE	DATE	DATE	DATE	NO.	DATE	DATE	DATE
SUBDIVISION AREA. STATION IS 600 FT. EAST OF MUNICIPAL LIMITS LINE.	71.9' SE OF POWER POLE #B37 & 106.0' NW OF POWER POLE #B30.	DATE	DATE	DATE	DATE	DATE	DATE	NO.	DATE	DATE	DATE
STATION IS A STANDARD ACS BRASS DISK SET IN A CONCRETE	MONUMENT IN THE GROUND. STATION IS STAMPED "5-M22".	DATE	DATE	DATE	DATE	DATE	DATE	NO.	DATE	DATE	DATE
MONUMENT IN THE GROUND. STATION IS STAMPED "5-M22".	X= 1,584,263.207, Y= 1,475,762.595, (NAD 83), Z= 5597.719 (NAVD 1989).	DATE	DATE	DATE	DATE	DATE	DATE	NO.	DATE	DATE	DATE

SEE SHEET 6 OF 10

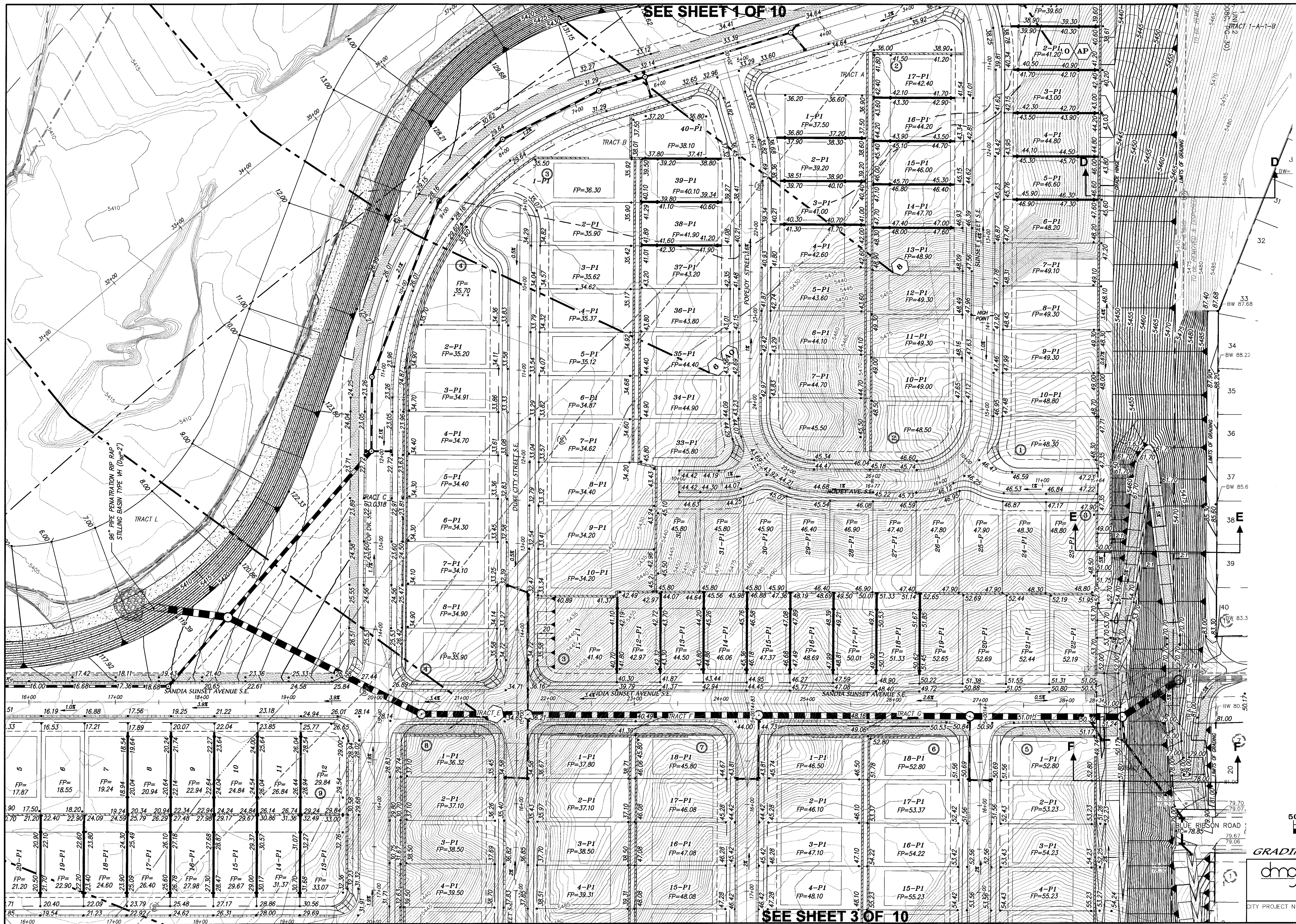
SEE SHEET 2 OF 10



GRADING & DRAINAGE PLAN

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
OFFICE (505) 828-2200, FAX (505) 797-9539

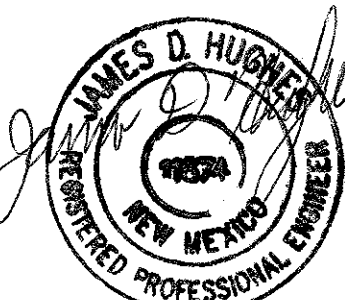
CITY PROJECT NO.	ZONE MAP NO.	SHEET OF
	M-21-Z	1 10



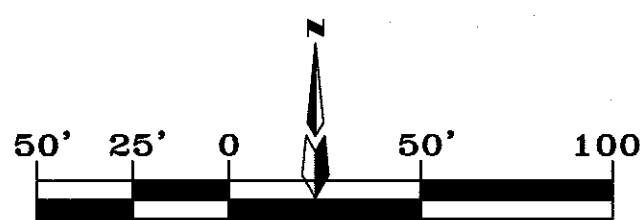
SEE SHEET 1 OF 10

SEE SHEET 3 OF 10

ENGINEER'S SEAL				SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION		
DESIGNED BY <i>JDH</i>	DRAWN BY <i>ACH</i>	CHECKED BY <i>DWG</i>	DATE <i>06/14</i>	FIELD NOTES			NO.	DATE	STATION "5-M22" IS LOCATED 8.7 MI. SE OF DOWNTOWN ALBUQUERQUE ON THE EAST SIDE OF THE MUNICIPAL LIMITS LINE IN THE FOUR HILLS SUBDIVISION AREA. STATION IS 600 FT. EAST OF MUNICIPAL LIMITS LINE. 77.9' SE OF POWER POLE #E37 & 186.0' NW OF POWER POLE #P0. STATION IS A STANDARD ACS BRASS DISK SET IN A CONCRETE MONUMENT IN THE GROUND. STATION IS STAMPED "5-M22". X= 1,564,263.207, Y= 1,475,762.595, (NAD 83), Z= 5597.219 (NAD 1989).	CONTRACTOR	DATE
				REVISIONS	BY	DATE					



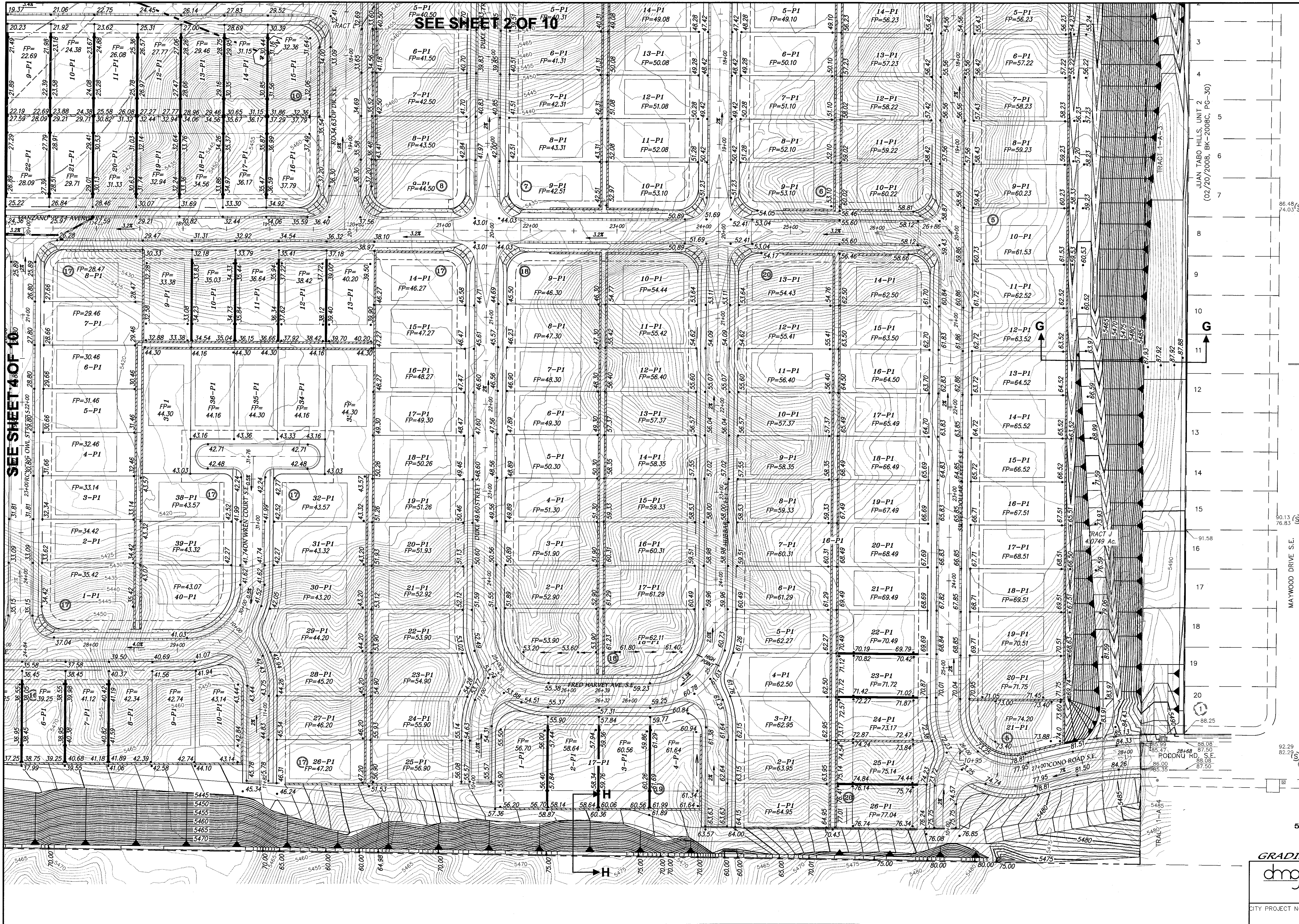
7-22-2016



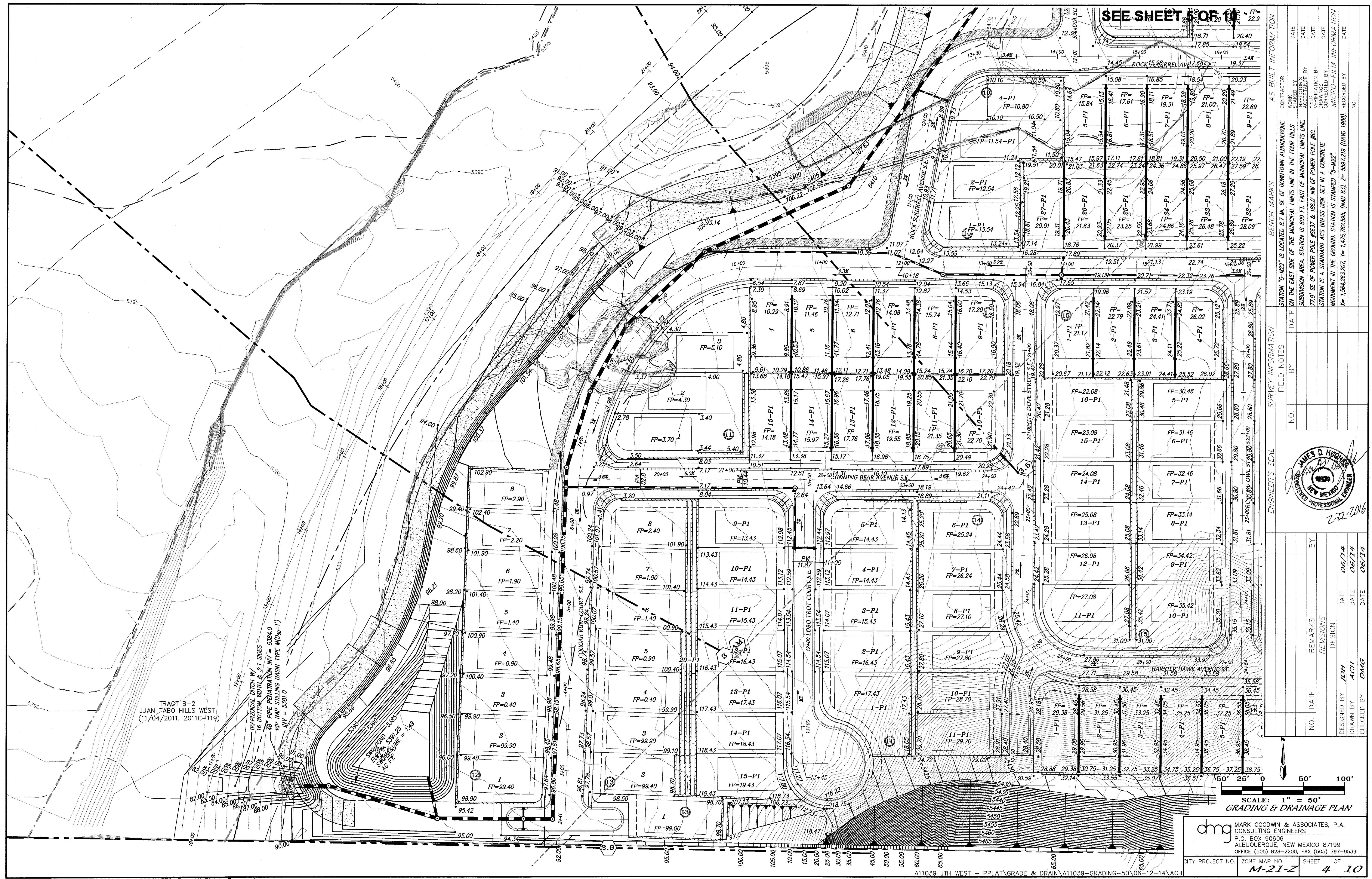
GRADING & DRAINAGE PLAN

 MARK GOODWIN & ASSOCIATES, P.A.
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CITY PROJECT NO.	ZONE MAP NO. M-21-Z	SHEET OF 2 10
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ENGINEER'S SEAL		SURVEY INFORMATION		AS BUILT INFORMATION	
	JAMES D. HUGHES PROFESSIONAL ENGINEER NEW MEXICO	NO.	BY	DATE	CONTRACTOR
		NO.	BY	DATE	CONTRACTOR
		NO.	BY	DATE	CONTRACTOR
		NO.	BY	DATE	CONTRACTOR
NO.	BY	DATE	REVISIONS	DATE	REVISIONS
DESIGNED BY	JTH	DATE	06/14	DATE	06/14
DRAWN BY	ACH	DATE	06/14	DATE	06/14
CHECKED BY	DMG	DATE	06/14	DATE	06/14



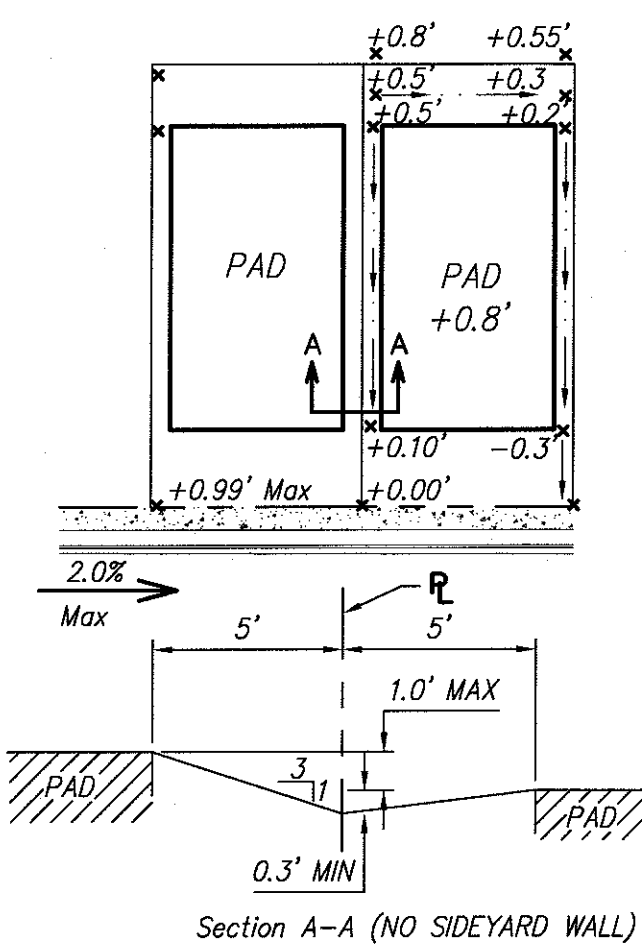
GRADING NOTES:

1. THE CONTRACTOR(S) MUST COMPLY WITH NPDES TEMPORARY CONSTRUCTION REQUIREMENTS AND OBTAIN A PERMIT. CONTRACTOR SHALL ALSO PROVIDE A COPY OF THE APPLICATION FOR PERMIT AND NOTICE OF TERMINATION TO THE OWNER.
2. THE CONTRACTOR(S) IS RESPONSIBLE FOR PREPARING AND MAINTAINING A SWPPP FOR THE DURATION OF INFRASTRUCTURE CONSTRUCTION AND UNTIL THE CITY OF ALBUQUERQUE ACCEPTS THE PUBLIC INFRASTRUCTURE. CONTRACTOR SHALL PROVIDE THE OWNER WITH A COPY OF THE SWPPP AT THE BEGINNING OF THE PROJECT AND AT THE TIME OF NOTICE OF TERMINATION.
3. THE CONTRACTOR(S) IS RESPONSIBLE FOR CONSTRUCTING AND MAINTAINING EROSION CONTROLS FOR THE DURATION OF THE CONSTRUCTION OF THE PUBLIC INFRASTRUCTURE AND FOR THE REMOVAL OF THE EROSION CONTROLS WHERE DIRECTED TO DO SO BY THE OWNER AT THE TIME OF NOTICE OF TERMINATION.
4. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAKING AND IS TO PROVIDE AN AS-BUILT SURVEY CERTIFIED BY A REGISTERED PROFESSIONAL SURVEYOR TO THE OWNER UPON COMPLETION OF THE CONSTRUCTION. THE EARTHWORK CONTRACTOR IS TO PROVIDE EARTHWORK SURVEY, AND THE WALL BUILDER IS TO PROVIDE WALL SURVEY.
5. EARTHWORK CONTRACTOR SHALL PREPARE ROUGH SUBGRADE FOR THE RETAINING WALL CONSTRUCTION AND PROVIDE SUFFICIENT BACKFILL MATERIAL STOCKPILED ON THE HIGH SIDE OF EACH WALL FOR THE WALL BUILDER TO COMPLETELY BACKFILL THE WALLS.
6. RETAINING WALLS ARE SHOWN FOR GRADING PURPOSES ONLY. RETAINING WALL DESIGN IS TO BE PERFORMED BY OTHERS, AND SHALL BE SUBMITTED TO THE CITY OF ALBUQUERQUE FOR REVIEW, APPROVAL, PERMIT, AND INSPECTION.
7. EARTHWORK CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL INVESTIGATION BY GEOTEST, INC. DATED JUNE 29, 2012.
8. TOPOGRAPHIC AND BOUNDARY SURVEY ARE BY ALDRICH LAND SURVEYING NOVEMBER 2011.
9. BENCHMARK USED IS AGRS BRASS CAP STAMPED "7-M21" HAVING AN ELEVATION OF 5498.07 (NGVD29).
10. FEMA SPECIAL FLOOD HAZARD ZONE ON THIS PROPERTY AS SHOWN ON LOMR CASE NO. 13-06-1053P EFFECTIVE JUNE 17, 2013.

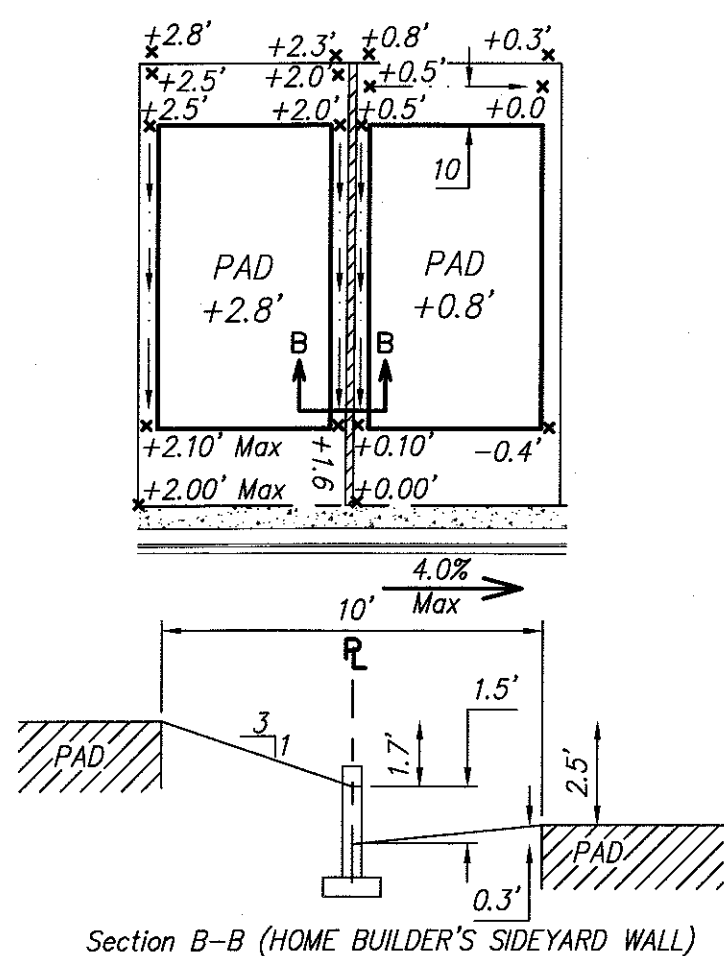
FLOOD PLAIN LEGEND

- LIMITS 100 YEAR FLOOD PLAIN
- LIMITS 500 YEAR FLOOD PLAIN
- LIMITS OF FLOODWAY
- LIMITS AO ZONE

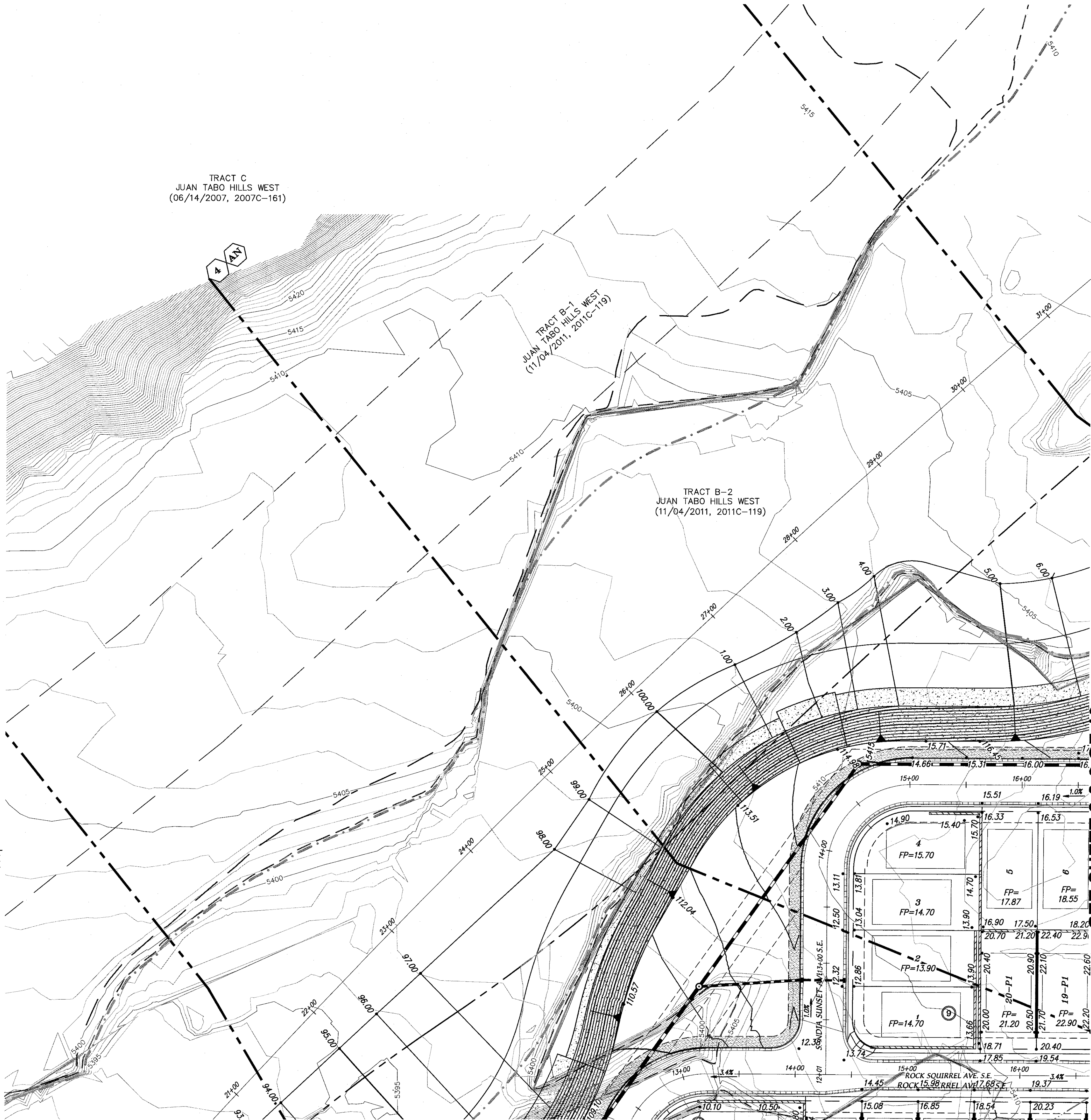
TYPICAL LOT GRADING
W/O SIDEYARD WALL



TYPICAL LOT GRADING
WITH SIDEYARD WALL



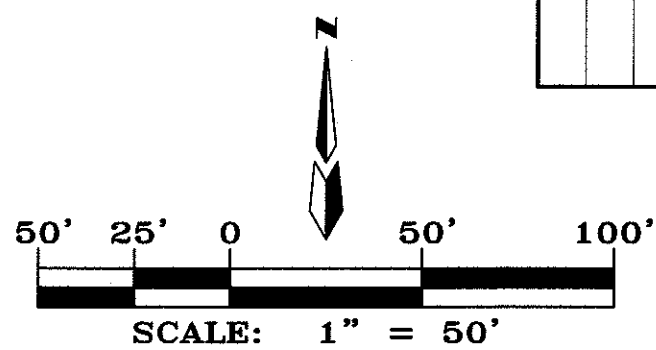
SEE SHEET 6 OF 10



SEE SHEET 4 OF 10

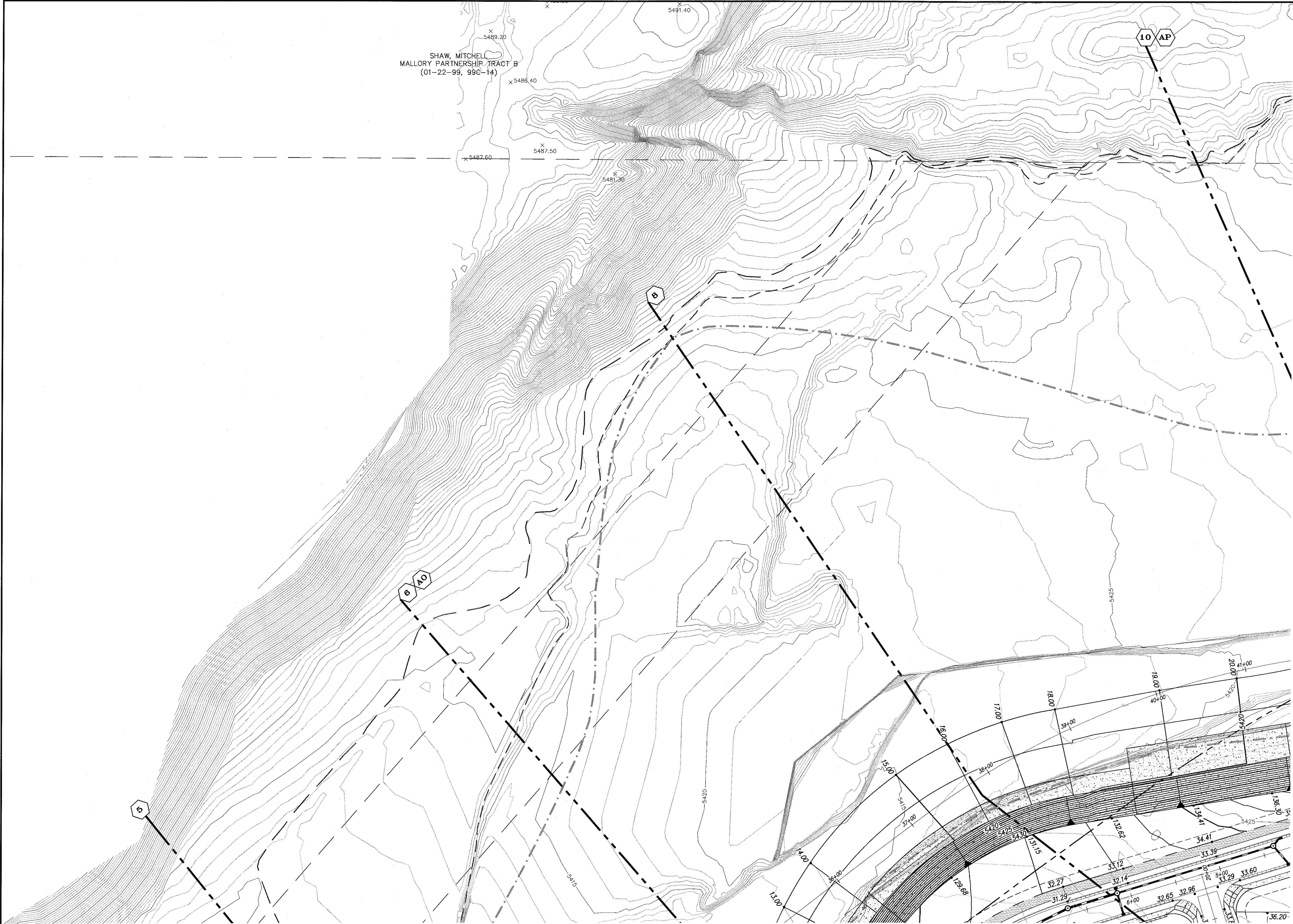
SEE SHEET 2 & 3 OF 10

ENGINEER'S SEAL		SURVEY INFORMATION		AS-BUILT INFORMATION	
	REMARKS	NO.	BY	DATE	CONTRACTOR
					WORK
					STAKED BY
					DATE
DESIGNED BY	REVISIONS	NO.	DATE	DATE	STATION "5-M22" IS LOCATED 8.7' M. SE OF DOWNTOWN ALBUQUERQUE ON THE EAST SIDE OF THE MUNICIPAL LIMITS LINE IN THE FOUR HILLS SUBDIVISION AREA. STATION IS 600 FT. EAST OF MUNICIPAL LIMITS LINE, 77.9' SE OF POWER POLE #537 & 166.0' NW OF POWER POLE #60. STATION IS A STANDARD ACS BRASS DISK SET IN A CONCRETE MONUMENT IN THE GROUND. STATION IS STAMPED "5-M22". X= 1,564,863.207, Y= 1,475,762.595, (NAD 83), Z= 5507.219 (NAD 1989).
					RECORDED BY
					NO.
					DATE



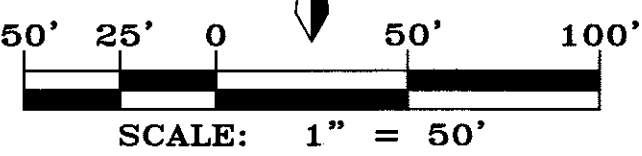
GRADING & DRAINAGE PLAN

		MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS P.O. BOX 90606 ALBUQUERQUE, NEW MEXICO 87199 OFFICE (505) 828-2200, FAX (505) 797-9539	
CITY PROJECT NO.	ZONE MAP NO.	SHEET OF	
	M-21-Z	5	10



SEE SHEET 5 OF 10

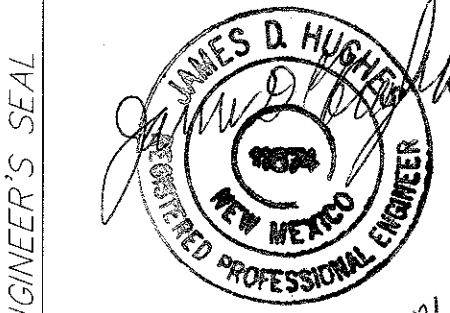
SEE SHEET 1 OF 10



GRADING & DRAINAGE PLAN

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
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ALBUQUERQUE, NEW MEXICO 87199
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CITY PROJECT NO. ZONE MAP NO. SHEET OF
M-21-Z 6 10



2-22-2016

ENGINEER'S SEAL			SURVEY INFORMATION			BENCH MARKS			AS BUILT INFORMATION		
NO.	DATE	BY	NO.	DATE	BY	STATION "5-422" IS LOCATED 8.7 MI. SE OF DOWNTOWN ALBUQUERQUE ON THE EAST SIDE OF THE MUNICIPAL LIMITS LINE IN THE FOUR HILLS SUBDIVISION AREA. STATION IS 600 FT. EAST OF MUNICIPAL LIMITS LINE. 77.9' SE OF POWER POLE #37 & 166.0' NW OF POWER POLE #40. STATION IS A STANDARD ACS BRASS DISK SET IN A CONCRETE MONUMENT IN THE GROUND. STATION IS STAMPED "5-422".	CONTRACTOR	WORK STARTED BY	DATE	CONTRACTOR	WORK STARTED BY
DESIGNED BY	DATE	BY	NO.	DATE	BY	STATION "5-422" IS LOCATED 8.7 MI. SE OF DOWNTOWN ALBUQUERQUE ON THE EAST SIDE OF THE MUNICIPAL LIMITS LINE IN THE FOUR HILLS SUBDIVISION AREA. STATION IS 600 FT. EAST OF MUNICIPAL LIMITS LINE. 77.9' SE OF POWER POLE #37 & 166.0' NW OF POWER POLE #40. STATION IS A STANDARD ACS BRASS DISK SET IN A CONCRETE MONUMENT IN THE GROUND. STATION IS STAMPED "5-422".	CONTRACTOR	WORK STARTED BY	DATE	CONTRACTOR	WORK STARTED BY
DESIGNED BY	DATE	BY	NO.	DATE	BY	STATION "5-422" IS LOCATED 8.7 MI. SE OF DOWNTOWN ALBUQUERQUE ON THE EAST SIDE OF THE MUNICIPAL LIMITS LINE IN THE FOUR HILLS SUBDIVISION AREA. STATION IS 600 FT. EAST OF MUNICIPAL LIMITS LINE. 77.9' SE OF POWER POLE #37 & 166.0' NW OF POWER POLE #40. STATION IS A STANDARD ACS BRASS DISK SET IN A CONCRETE MONUMENT IN THE GROUND. STATION IS STAMPED "5-422".	CONTRACTOR	WORK STARTED BY	DATE	CONTRACTOR	WORK STARTED BY
DRAWN BY	DATE	BY	NO.	DATE	BY	STATION "5-422" IS LOCATED 8.7 MI. SE OF DOWNTOWN ALBUQUERQUE ON THE EAST SIDE OF THE MUNICIPAL LIMITS LINE IN THE FOUR HILLS SUBDIVISION AREA. STATION IS 600 FT. EAST OF MUNICIPAL LIMITS LINE. 77.9' SE OF POWER POLE #37 & 166.0' NW OF POWER POLE #40. STATION IS A STANDARD ACS BRASS DISK SET IN A CONCRETE MONUMENT IN THE GROUND. STATION IS STAMPED "5-422".	CONTRACTOR	WORK STARTED BY	DATE	CONTRACTOR	WORK STARTED BY
CHECKED BY	DATE	BY	NO.	DATE	BY	STATION "5-422" IS LOCATED 8.7 MI. SE OF DOWNTOWN ALBUQUERQUE ON THE EAST SIDE OF THE MUNICIPAL LIMITS LINE IN THE FOUR HILLS SUBDIVISION AREA. STATION IS 600 FT. EAST OF MUNICIPAL LIMITS LINE. 77.9' SE OF POWER POLE #37 & 166.0' NW OF POWER POLE #40. STATION IS A STANDARD ACS BRASS DISK SET IN A CONCRETE MONUMENT IN THE GROUND. STATION IS STAMPED "5-422".	CONTRACTOR	WORK STARTED BY	DATE	CONTRACTOR	WORK STARTED BY
						STATION "5-422" IS LOCATED 8.7 MI. SE OF DOWNTOWN ALBUQUERQUE ON THE EAST SIDE OF THE MUNICIPAL LIMITS LINE IN THE FOUR HILLS SUBDIVISION AREA. STATION IS 600 FT. EAST OF MUNICIPAL LIMITS LINE. 77.9' SE OF POWER POLE #37 & 166.0' NW OF POWER POLE #40. STATION IS A STANDARD ACS BRASS DISK SET IN A CONCRETE MONUMENT IN THE GROUND. STATION IS STAMPED "5-422".	CONTRACTOR	WORK STARTED BY	DATE	CONTRACTOR	WORK STARTED BY



Table 1: HYDROLOGY SUMMARY TABLE											
AHYMO BASIN ID	Location	AREA		Ground Cover (%)				Q ₁₀₀ (cfs)	Water Quality Volume (Ac-Ft)		
		(Ac)	(Sq mi)	A	B	C	D	Increment	Increment	Sub Total	
100	Four Hills	89.10	0.13922	8	18	35	38.7	328.22	1.3218	1.3218	
101	Juan Tabo Hills	66.80	0.10438	0	19	39	42	282.50	1.0755	1.0755	
200	Four Hills	9.00	0.01406	0	20	40	40	37.61	0.1390	1.4598	
201	Kirtland	76.30	0.01828	100	0	0	0	27.64	0.0000	0.0000	
203	Juan Tabo Hills	42.50	0.06541	0	22	45	33	172.59	0.5376	1.6131	
300	Juan Tabo Hills	22.30	0.03484	0	14	29	57	99.75	0.4873	2.1004	
400	JTH Estates	77.70	0.12141	0	9	41	50	343.61	1.4893	1.4893	
TOTALS:		383.70	0.50					1291.92		5.05	

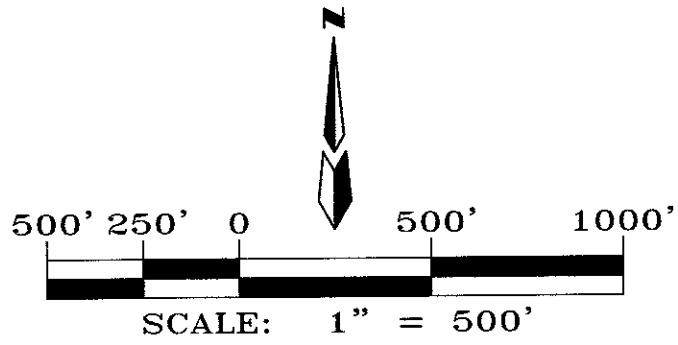
LEGEND

--- AHYMO BASIN BOUNDARY

--- SUB-BASIN BOUNDARY

--- NEW RCP STORM DRAIN

(400) AHYMO BASIN NUMBER



JUAN TABO HILLS ESTATES

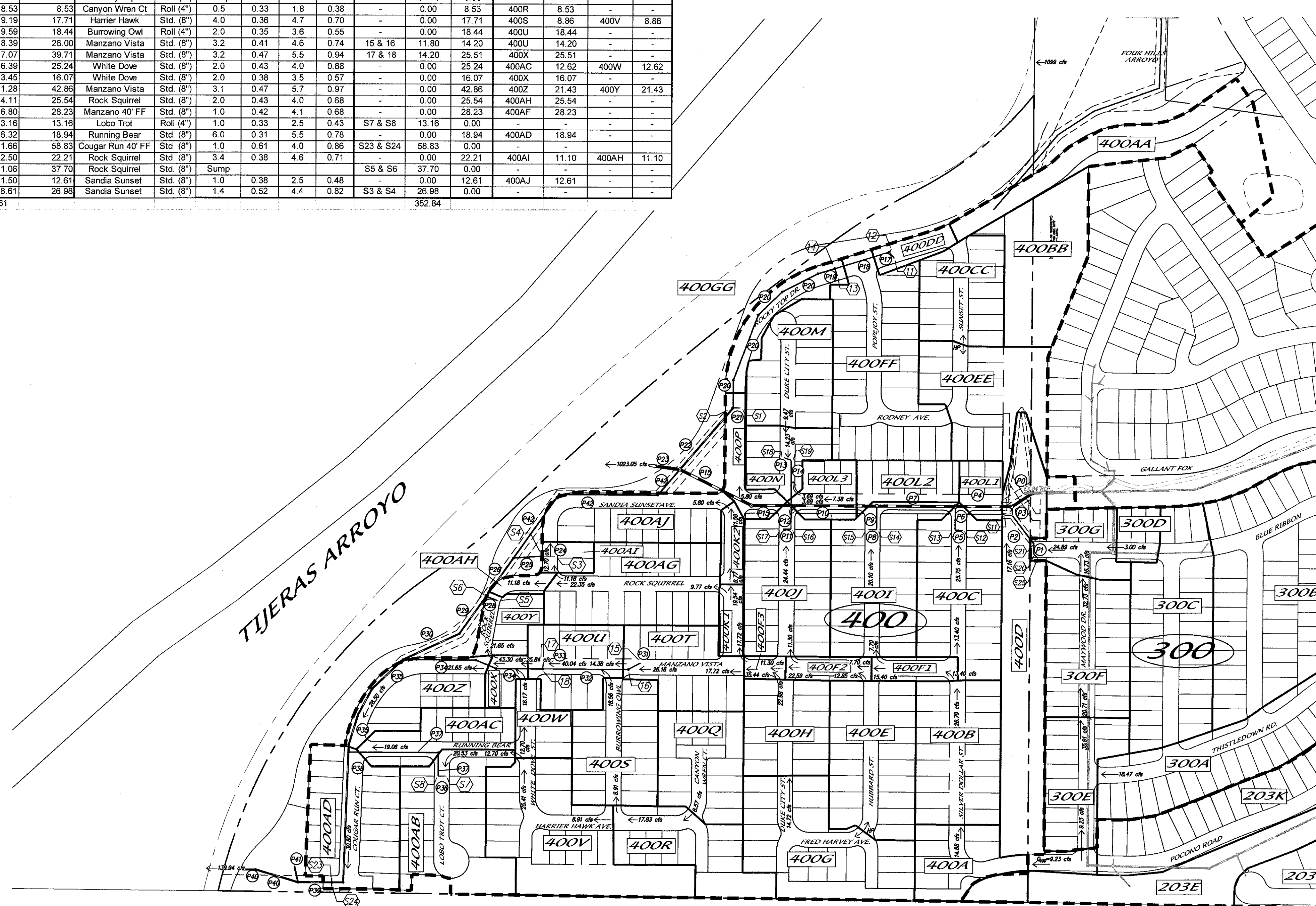
DRAINAGE BASIN MAP

dmg MARK GOODWIN & ASSOCIATES, P.A.
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CITY PROJECT NO. ZONE MAP NO. SHEET OF
M-21-Z 7 10

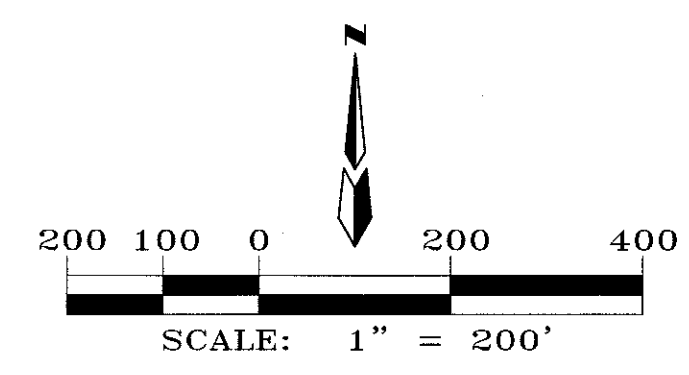
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
	NO.	DATE	BY	STATION "S-422" IS LOCATED 8.7 M. SE OF DOWNTOWN ALBUQUERQUE ON THE EAST SIDE OF THE MUNICIPAL LIMITS LINE IN THE FOUR HILLS SUBDIVISION AREA. STATION IS 600 FT. EAST OF MUNICIPAL LIMITS LINE, 77.9' SE OF POWER POLE #837 & 186.0' NW OF POWER POLE #80. STATION IS A STANDARD ACS BRASS DISK SET IN A CONCRETE MONUMENT IN THE GROUND. STATION IS STAMPED "S-422". X= 1,584,263.207, Y= 1,475,762.595, (NAD 83), Z= 5597.219 (NAD 1983).	CONTRACTOR	WORK STARTED BY	DATE
DESIGNED BY JDH	DATE 06/14	REMARKS	BY	NO.	CONTRACTOR	WORK STARTED BY	DATE
DRAWN BY ACH	DATE 06/14	REVISIONS	BY	NO.	CONTRACTOR	WORK STARTED BY	DATE
CHECKED BY DMG	DATE 06/14	DESIGN	BY	NO.	CONTRACTOR	WORK STARTED BY	DATE

LEGEND	
	AHYMO BASIN BOUNDARY
	SUB-BASIN BOUNDARY
	NEW RCP STORM DRAIN
	AHYMO BASIN NUMBER
	SUB-BASIN NUMBER
	NEW INLET NUMBER
	EXISTING INLET NUMBER
	NEW RCP PIPE NUMBER
	HIGH POINT (WATERBLOCK)

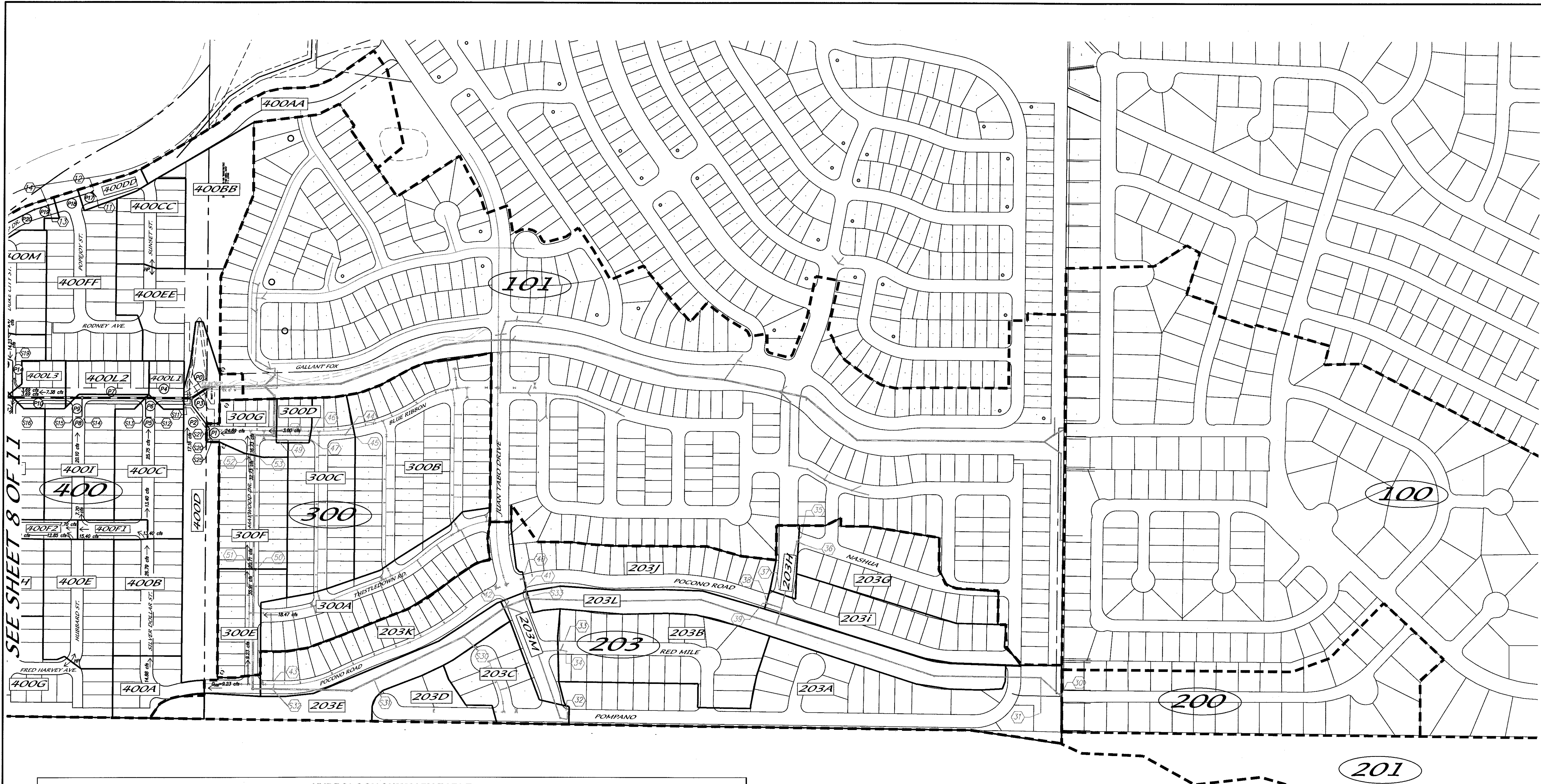


SEE SHEET 9 OF 11

Storm Drain System Design									
STREET NAME	INLET #	Q (cfs)	PIPE #	SLOPE %	Q ₁₀₀ (cfs)	PIPE CAPACITY	PIPE DIA (IN)	AREA OF PIPE	VELOCITY (ft/sec)
Gallant Fox			Existing	2.12	848.57	930 11	84	38.48	22.05
Blue Ribbon	S20	12.44	P1		12.45				
Tract J	S21	12.45	P2	15.00	24.89	87.61	24	3.14	5.92
Tract J	S11	17.05	P3	1.00	41.94	66.68	33	5.93	7.34
Sandia Sunset			P4	2.00	890.51	903.40	84	38.48	23.14
Silver Dollar	S12	12.81	P5	2.00	12.81	14.85	18	1.77	2.75
Silver Dollar	S13	12.81	P6	2.00	25.62	31.99	18	1.77	1.74
Sandia Sunset			P7	2.20	916.13	947.49	84	38.48	23.81
Hubbard	S14	10.00	P8	2.00	10.00	14.85	18	1.77	5.66
Hubbard	S15	9.99	P9	2.00	19.99	31.99	18	1.77	11.31
Sandia Sunset			P10	1.00	12.44	1690.11	84	38.48	24.33
Duke City	S16	13.61	P11	1.20	12.22		18	1.77	9.72
Duke City	S17	13.61	P12	1.50	24.44	24.78	24	3.14	7.78
Duke City	S18	8.90	P13	1.00	8.90	10.50	18	1.77	5.04
Duke City	S19	8.90	P14	1.00	17.80	22.62	24	3.14	5.67
Sandia Sunset	10	6.60	P15	4.00	978.36	1277.60	84	38.48	25.42
Rocky Top	11	5.90	P17	1.50	5.90	12.86	18	1.77	3.34
Rocky Top	12	5.90	P18	2.00	11.80	14.85	24	3.14	3.76
Rocky Top	13	8.00	P19	2.00	8.00	14.85	18	1.77	4.53
Rocky Top	14	8.00	P20	1.50	27.80	27.70	24	3.14	8.85
Rocky Top	S1	26.13	P21	1.50	26.13	27.70	24	3.14	8.32
Rocky Top	S2	26.13	P22	0.50	80.06	101.54	48	12.57	6.37
Sandia Sunset		6.60	P23	1.50	1023.05	1119.91	96	20.72	20.35
Sandia Sunset	S3	13.49	P24	1.00	13.49	22.62	24	3.14	24.29
Sandia Sunset	S4	13.49	P25	1.00	26.98	22.62	24	3.14	24.29
Sandia Sunset			P26	1.00	65.35	66.69	36	7.07	8.82
Rock Squirrel	S5	18.85	P28	2.00	19.02	31.99	24	3.14	6.05
Rock Squirrel	S6	18.85	P29	1.00	100.22	100.60	42	9.62	10.42
Rock Squirrel			P30	1.00	100.22	100.60	42	9.62	10.42
Manzano Vista	15	5.90	P31	2.00	5.90	14.85	18	1.77	3.77
Manzano Vista	16	5.90	P32	3.14	11.80	18.61	18	1.77	6.38
Manzano Vista	17	7.10	P33	2.00	7.10	14.85	18	1.77	4.02
Manzano Vista	18	7.10	P34	3.14	25.00	40.08	24	3.14	8.28
Manzano Vista			P35	1.00	126.22	143.60	48	12.57	10.04
Lobo Trot	S7	6.58	P36	1.00	6.58	10.50	18	1.77	4.72
Lobo Trot	S8	6.58	P37	1.00	13.16	22.62	24	3.14	3.19
			P38	1.00	139.38	143.60	48	12.57	11.09
Cogear Run St	S23 & S24	58.83	P39	1.10	198.21	206.30	48	12.50	12.46
40 RCP Into Arroyo			P40	1.00	139.34	176.60	48	12.57	11.07
SWQ @ 98" RCP			P41	1.00	58.27	66.69	36	7.07	8.21
SWQ @ 98" RCP			P42	1.00	35.73	41.0 10	30	4.91	7.24

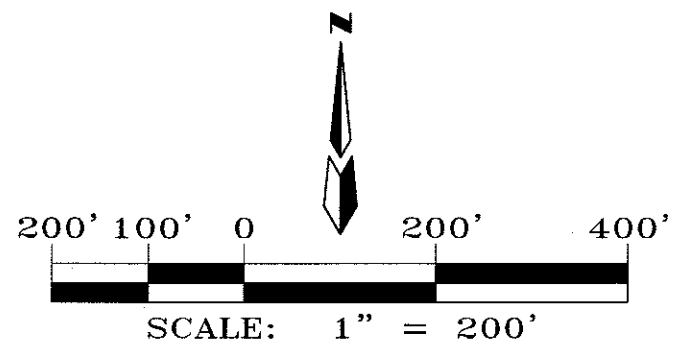


ENGINEER'S SEAL				SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.		BY		DATE		STATION "5-M22" IS LOCATED 8.7 MI. SE OF DOWNTOWN ALBUQUERQUE ON THE EAST SIDE OF THE MUNICIPAL LIMITS LINE IN THE FOUR HILLS SUBDIVISION AREA. STATION IS 600 FT. EAST OF MUNICIPAL LIMITS LINE, 77.9' SE OF POWER POLE #537 & 186.0' NW OF POWER POLE #60.		CONTRACTOR	
NO.		BY		DATE		STATION IS A STANDARD ACS BRASS DISK SET IN A CONCRETE MONUMENT IN THE GROUND. STATION IS STAMPED "5-M22".		WORK STARTED BY	
NO.		BY		DATE		STATION IS A STANDARD ACS BRASS DISK SET IN A CONCRETE MONUMENT IN THE GROUND. STATION IS STAMPED "5-M22".		DATE	
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HYDROLOGY SUMMARY TABLE																					
HYDROLOGY										Street flows											
AHYMO BASIN ID	SUB-BASIN ID	AREA (Ac)	(Sq mi)	Ground Cover (%)			Peak 100-YR Flow Q ₁₀₀ (cfs)		Location	Slope (%)	Depth (ft)	Velocity (fps)	Energy (ft)	Inlet ID #	Intercepted (cfs)	By-pass (cfs)	Path 1		Path 2		
				A	B	C	Incremental	Surface										Dow nstr m ID	Flow (cfs)	Dow nstr m ID	Flow (cfs)
100		89.10	0.13922	8	18	35	39	328.22													
	100.1	ROUTED in 54" pipe						327.86													
	101	66.80	0.10438	0	19	39	42	282.50	0.00												
200		9.00	0.01405	0	20	40	40	37.61	0.00					30	37.61	0.00					
201		76.30	0.01828	100	0	0	0	27.84	11.64					31	16.00	11.64	203A	11.64	PIPE	16.00	
203		42.50	0.06641	0	22	45	33	172.59													
	203A	8.73						35.45	47.09	Pompano PI SE	2.13	0.51	5.1	0.9	32	16.00	31.09	203M	15.54	203C	15.54
	203B	5.05						20.50	20.50	Red Mile	3.00	0.38	4.3	0.7	33 & 34	11.80	17.10	203M	17.10	-	-
	203C	2.19						8.89	16.69	Retama CI	2.00	0.49	sump	sump	S30	16.66	0.00	-	-	-	-
	203D	1.40						5.90	13.67	Pompano PI	4.00	0.40	sump	sump	S31	13.67	0.00	-	-	-	-
	203E	3.33						13.51	0.00	trail	-	-	sump	sump	S32	13.51	0.00	-	-	-	-
	203G	3.95						16.00	16.00	Nashua	3.00	0.36	4.0	0.6	35 & 36	9.80	6.20	203H	16.20	-	-
	203H	0.50						2.03	8.28	Timonium	1.40	0.40	3.0	0.5	37	5.10	3.16	203J	3.16	-	-
	203I	3.30						13.50	16.66	Pocono	2.00	0.39	3.5	0.6	38 & 39	13.60	3.06	203J	3.06	-	-
	203J	4.04						16.40	19.46	Pocono	4.00	0.36	4.5	0.7	40 & 41	14.00	5.46	203K	5.46	-	-
	203L	4.00						16.25	20.18	trail	-	-	sump	sump	S33	16.25	0.00	-	-	-	-
	203M	1.25						5.07	22.10	Juan Tabo Drive	1.00	0.58	4.0	0.8	42	9.80	12.30	203K	12.30	-	-
	203K	4.40						17.90	35.66	Pocono	1.00	0.46	3.2	0.6	43	17.20	18.46	300E	9.23	400A	9.23
300		22.30	0.03484	0	14	29	57	99.75													
	300A	4.13						18.47	18.47	Thistedown Rd	3.00	3.50	4.0	3.7		0.00	17.47	300E	18.47	-	-
	300B	8.00						35.78	35.78	Blue Ribbon Rd	2.00	0.49	4.6	0.8	44 & 45	18.00	17.78	300C	17.78	-	-
	300C	3.96						17.70	35.50	Pleasanton Dr	1.88	0.49	4.5	0.8	46 & 47	18.00	17.50	300D	17.50	-	-
	300D	0.52						2.33	19.80	Blue Ribbon Rd	3.43	0.38	4.5	0.7	48 & 49	16.80	3.00	300G	3.00	-	-
	300E	1.84						8.21	35.91	Maywood Dr	1.00	0.51	3.7	0.7	50 & 51	15.20	20.71	300F	20.71	-	-
	300F	2.69						12.02	32.73	Maywood Dr	1.00	0.50	3.7	0.7	52 & 53	16.00	16.73	300G	16.73	-	-
	300G	1.15						5.16	24.89	Out To Basin 400	-	-	-	-		0.00	24.89	400.00	24.89	-	-

- LEGEND
- AHYMO BASIN BOUNDARY
 - SUB-BASIN BOUNDARY
 - NEW RCP STORM DRAIN
 - AHYMO BASIN NUMBER
 - 400 SUB-BASIN NUMBER
 - 15 NEW INLET NUMBER
 - 51 EXISTING INLET NUMBER
 - 18 NEW RCP PIPE NUMBER
 - 18 HIGH POINT (WATERBLOCK)



JUAN TABO HILLS ESTATES
OFF-SITE DRAINAGE SUB-BASINS 1

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
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ALBUQUERQUE, NEW MEXICO 87199
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CITY PROJECT NO. ZONE MAP NO. SHEET OF
M-21-Z 9 10

