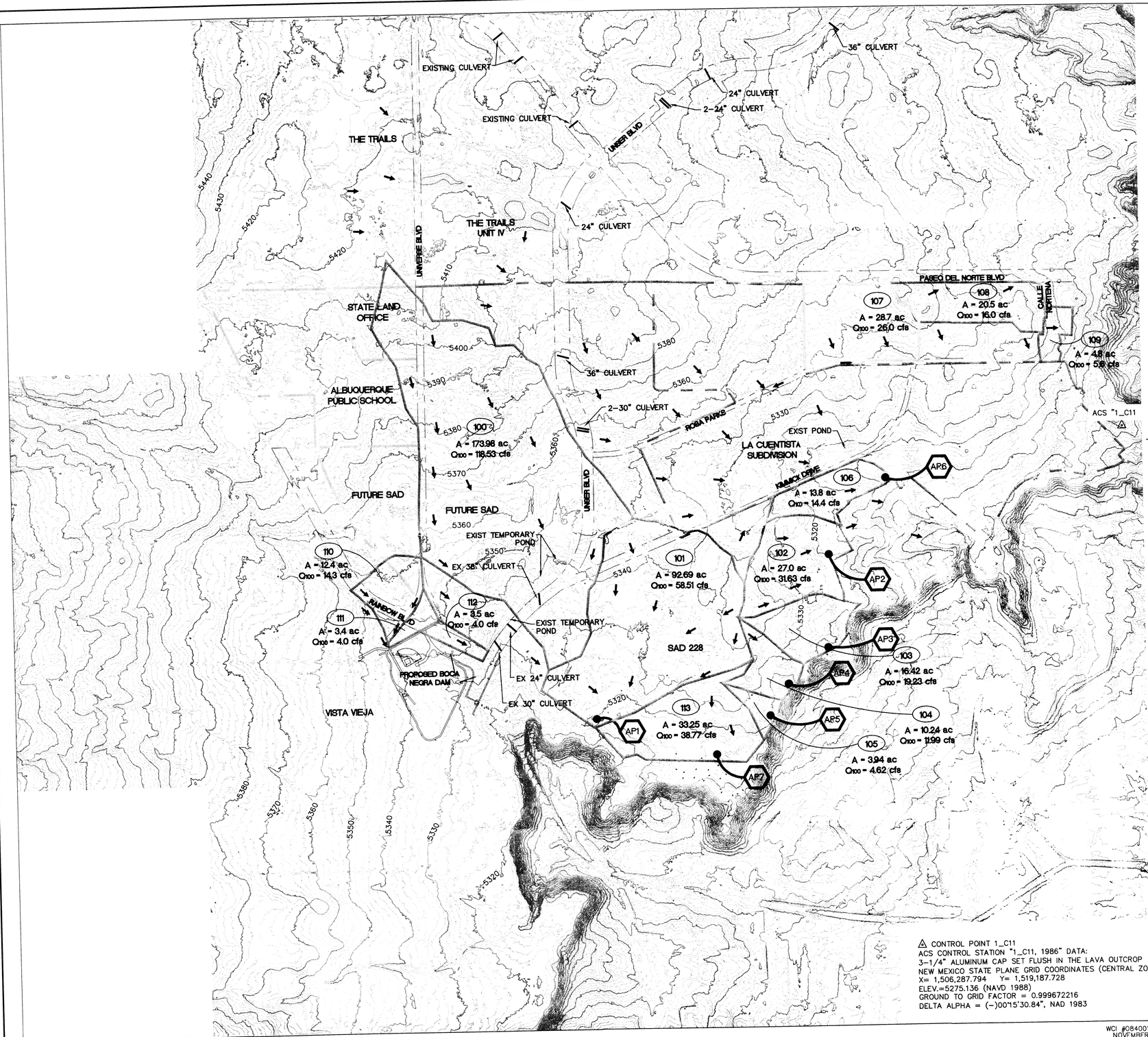


ANALYSIS POINT	FLOW (CFS)
AP1	175.68
AP2	31.63
AP3	19.23
AP4	11.99
AP5	4.62
AP6	14.4
AP7	38.77

LEGEND

- 102 — BASIN ID
- BASIN BOUNDARY
- PETROGLYPH NATIONAL MONUMENT BOUNDARY
- FLOW DIRECTION
- AP3 — ANALYSIS POINT ID
- LA CUENTISTA SUBDIVISION
- PROPOSED SAD 228
- ADJACENT PROPERTIES
- INDEX CONTOUR
- INTERMEDIATE CONTOUR

GRAPHIC SCALE

600 0 300 600 1200 2400

(IN FEET)
1 inch = 600 ft.

⚠ CONTROL POINT 1_C11
ACS CONTROL STATION "1_C11, 1986" DATA:
3-1/4" ALUMINUM CAP SET FLUSH IN THE LAVA OUTCROP
NEW MEXICO STATE PLANE GRID COORDINATES (CENTRAL ZONE)
X= 1,506,287.794 Y= 1,519,187.728
ELEV.=5275.136 (NAVD 1988)
GROUND TO GRID FACTOR = 0.999672216
DELTA ALPHA = (-)00°15'30.84", NAD 1983

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SAD 228 DRAINAGE REPORT

EXISTING BASIN BOUNDARY PLAN

PLATE 1

WCI #0840010400
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LEGEND

- 5070 — EXISTING INTERMEDIATE CONTOUR
- 5071 — EXISTING INDEX CONTOUR
- + 5359.15 — EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- (202) — BASIN DESIGNATION
- PROPOSED BASIN BOUNDARY
- PROPOSED SUB BASIN BOUNDARY
- PROPOSED FLOWLINE

N

TABLE A
SUB BASIN SUMMARY

BASIN	AREA (sq mi)	AREA (ac)	%A	%B	%C	%D	Q100 (cfs)	VOL100 (ac-ft)
201	0.035	22.1	10	15	30	45	71.82	3.236
202	0.055	35.0	10	15	30	45	112.86	5.664
203	0.002	1.2	10	15	30	45	4.12	0.162
204	0.008	5.0	10	15	30	45	16.43	0.647
205	0.014	8.8	10	15	30	45	28.74	1.133
206	0.007	4.6	10	15	30	45	14.36	0.566
207	0.004	2.4	10	15	30	45	8.22	0.324
208	0.013	8.5	10	50	20	20	21.22	0.781
209	0.006	3.6	10	15	30	45	12.33	0.485
210	0.004	2.6	10	15	35	40	8.04	0.308
211	0.010	6.2	10	15	30	45	20.53	0.809
212	0.005	3.3	10	15	40	35	9.81	0.366
213	0.063	40.2	10	15	30	45	129.28	5.097
214	0.086	55.1	10	15	30	45	176.58	6.958
215	0.054	34.5	10	15	30	45	110.81	4.369
TOTAL	0.364	233.1						
301	0.068	43.7	10	15	25	50	142.60	7.547
302	0.058	37.3	10	15	30	45	119.01	5.664
303	0.067	43.0	10	15	30	45	137.50	7.282
304	0.108	69.0	10	15	35	40	217.09	3.852
TOTAL	0.302	193.0						

GRAPHIC SCALE

500 0 250 500 1000 2000

(IN FEET)
1 inch = 500 ft.

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SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

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LA CUENTISTA SUBDIVISION
PROPOSED CONDITIONS DRAINAGE BASIN MAP

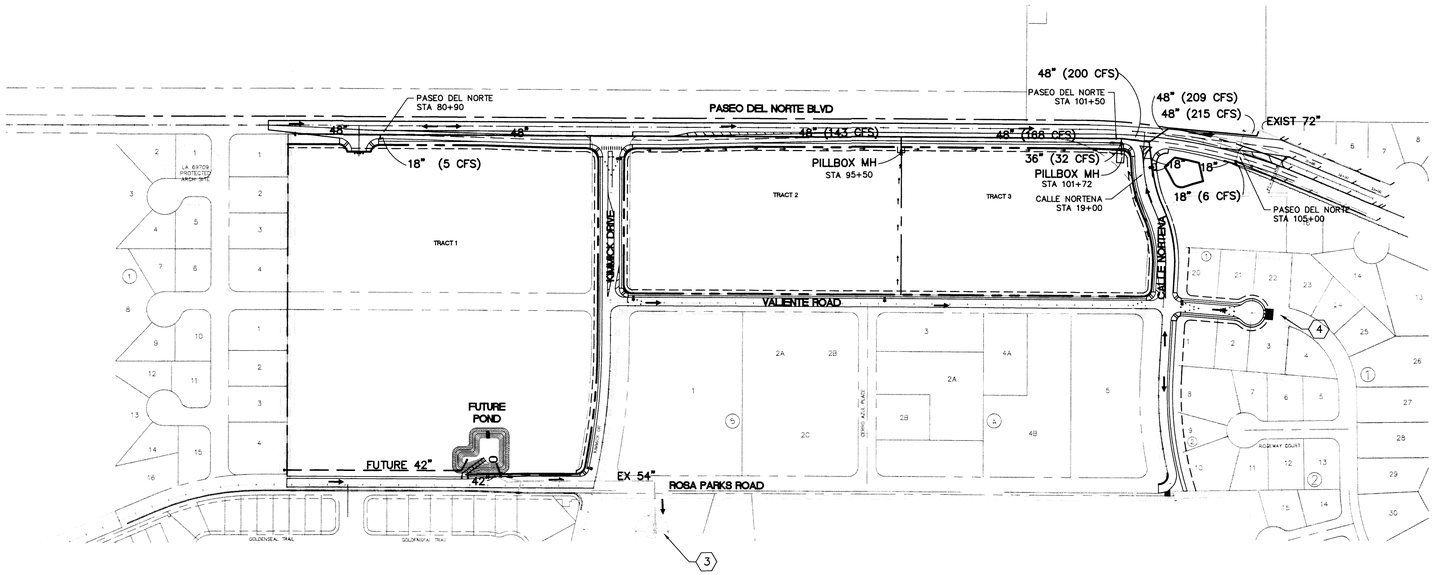
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HYDROLOGY SECTION

PLATE 2

WCEA #0660004701
JAN 2007

1.25 sq ft

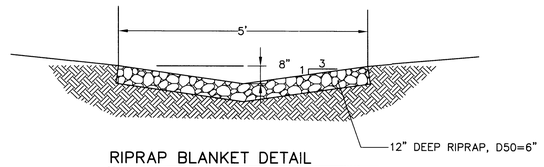
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UNIT 26 & 27

SHEET KEYNOTES

1. BEGIN TEMPORARY PAVEMENT.
2. INSTALL 24' WIDE 3" TEMPORARY ASPHALT CONCRETE PAVEMENT. SEE DETAIL THIS SHEET.
3. EXISTING NATURAL POND.
4. INSTALL 14'W X 20'L X 12"D, D50=6" RIPRAP BLANKET. SEE DETAIL THIS SHEET.

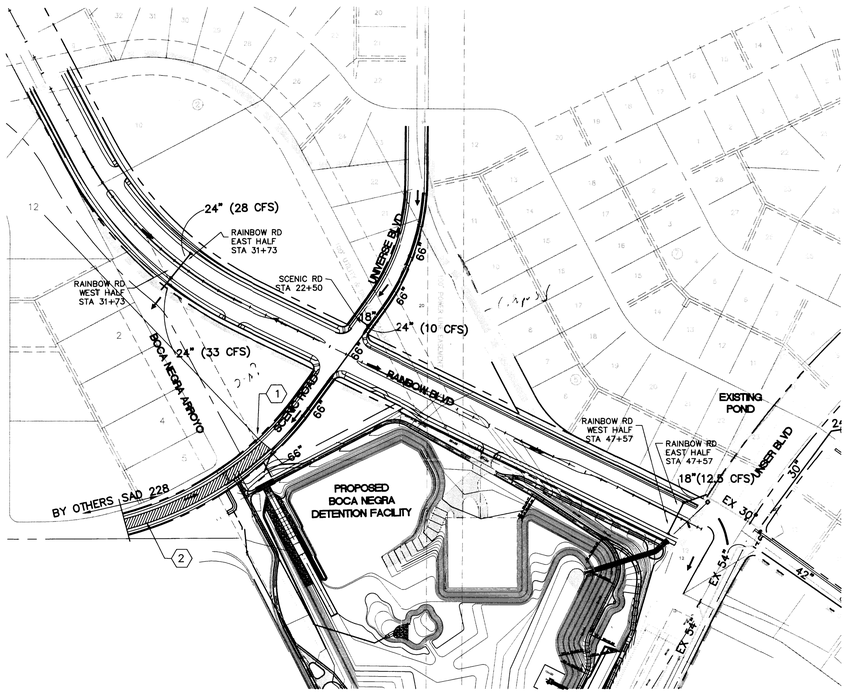


RIPRAP BLANKET DETAIL

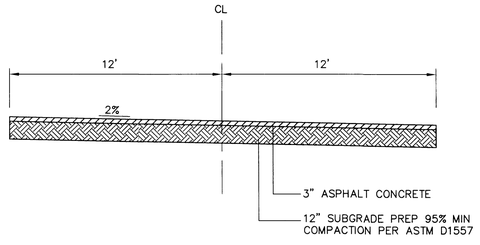
SCALE: NTS

STREET HYDRAULIC DATA							
STREET NAME	STATION	SLOPE %	FLOW (CFS) TOTAL	FLOW (CFS) CAPTURED	FLOW (CFS) BYPASS	INLETS (EACH)	DEPTH
PASEO DEL NORTE SD							
PASEO DEL NORTE SD	FUTURE FLOWS		138	138			
	80+90*	0.71	15	5	10	1	0.46
	95+50	1.80	25	25	0	PILLBOX MH	N/A
	101+50	2.52	23	17	0	2	0.41
	101+72	2.52	15	15	0	PILLBOX MH	N/A
	105+00	6.00	0	6	0	2	0.25
CALLE NORTENA	19+00	4.28	9	9	0	2	0.28
			225	215			
RAINBOW BLVD							
RAINBOW BLVD	31+73 EAST	0.83	28	28	0	1	0.56
	31+73 WEST	0.83	5	5	0	1	0.29
	47+57 EAST	2.78	13	8	5	1	0.33
	47+57 WEST	2.78	6	4.5	1.5	1	0.24
SCENIC RD							
SCENIC RD	22+50	1.67	12	9	3	2	0.24

* UPSTREAM FUTURE INLETS WILL BE REQUIRED



UNIT 14 & 25



TEMPORARY PAVEMENT SECTION

SCALE: NTS

LEGEND

TEMPORARY PAVEMENT

FLOW DIRECTION

SAD 228 BOUNDARY

N

SCALE: 1" = 200'

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SAD 228
DRAINAGE REPORT

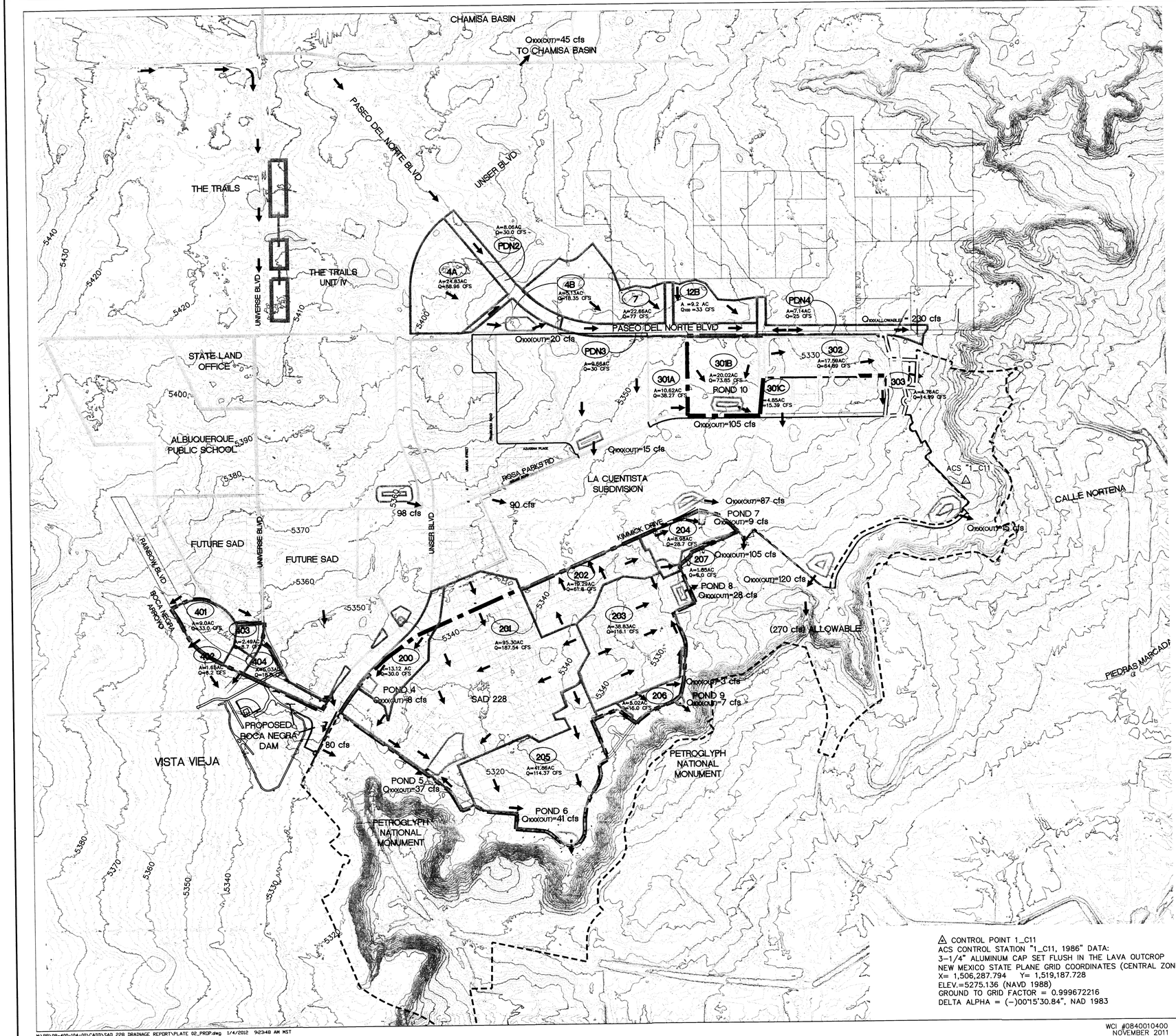
OVERALL STORM DRAIN PLAN
UNIT 14, 25, 26 & 27

PLATE 5

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Proposed Conditions Model - Basin Data							
Basin	Area (ac)	Land treatment type (%)				Q_{100} (cfs)	$V_{100\text{-}24}$ (ac-ft)
		A	B	C	D		
UNIT 18, 19 & 22							
200	13.12	0	10	40	50	32.02	1.546
To Pond 4						32.02	1.546
201	95.3	0	10	40	50	187.54	12.300
To Pond 5						187.54	12.300
202	19.29	0	10	40	50	61.76	2.486
To La Cuentista Pond 4						61.76	2.486
203	38.83	0	10	40	50	116.11	5.014
To Pond 8						116.11	5.014
204	8.98	0	10	40	50	28.73	1.156
To Pond 7						28.73	1.156
205	41.86	0	10	40	50	114.37	5.402
To Pond 6						114.37	5.402
206	5.02	0	10	40	50	16.01	0.644
To Pond 9						16.01	0.644
207	1.85	0	10	40	50	5.96	0.240
Free Discharge						5.96	0.240
UNIT 26 & 27							
301A	10.62	0	5	10	85	38.27	1.806
301B	20.02	0	5	10	85	73.85	3.405
***To Pond 10**						127.42	12.642
Tierra Buena Estates							
301C**	4.85	0	15	35	50	15.39	0.621
To curb inlets in Rosa Parks Rd						15.39	0.621
Offsite flows from Paseo Del Norte Blvd						162.69	13.765
302	17.59	0	5	10	85	64.89	2.991
To Paseo Del Norte SD						227.58	16.756
303	4.76	0	15	35	50	14.99	0.605
Free Discharge						14.99	0.605
UNIT 14 & 25							
401	8.97	0	5	10	85	33.04	1.523
To Boca Negra Arroyo						33.04	1.523
402	1.65	0	10	0	90	6.19	0.29
To Boca Negra Dam						6.19	0.29
403	2.49	0	5	10	85	8.72	0.424
404	5.03	0	5	10	85	18.53	0.903
To Temp Pond / Unser Blvd Storm System						27.25	1.327

*See AHYMO summary FOR EXPLANATION.

** Submitted to the City but was never filed.

LEGEND

- 201 — BASIN ID
- BASIN BOUNDARY
- FLOW DIRECTION
- PROPOSED SAD 228
- PETROGLYPH NATIONAL MONUMENT BOUNDARY
- INDEX CONTOUR
- INTERMEDIATE CONTOUR

N

GRAPHIC SCALE

600 0 300 600 1200 2400

(IN FEET)
1 inch = 600 ft.

△ CONTROL POINT 1_C11
ACS CONTROL STATION "1_C11, 1986" DATA:
3-1/4" ALUMINUM CAP SET FLUSH IN THE LAVA OUTCROP
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ELEV.=5275.136 (NAVD 1988)
GROUND TO GRID FACTOR = 0.999672216
DELTA ALPHA = (-)00°15'30.84", NAD 1983

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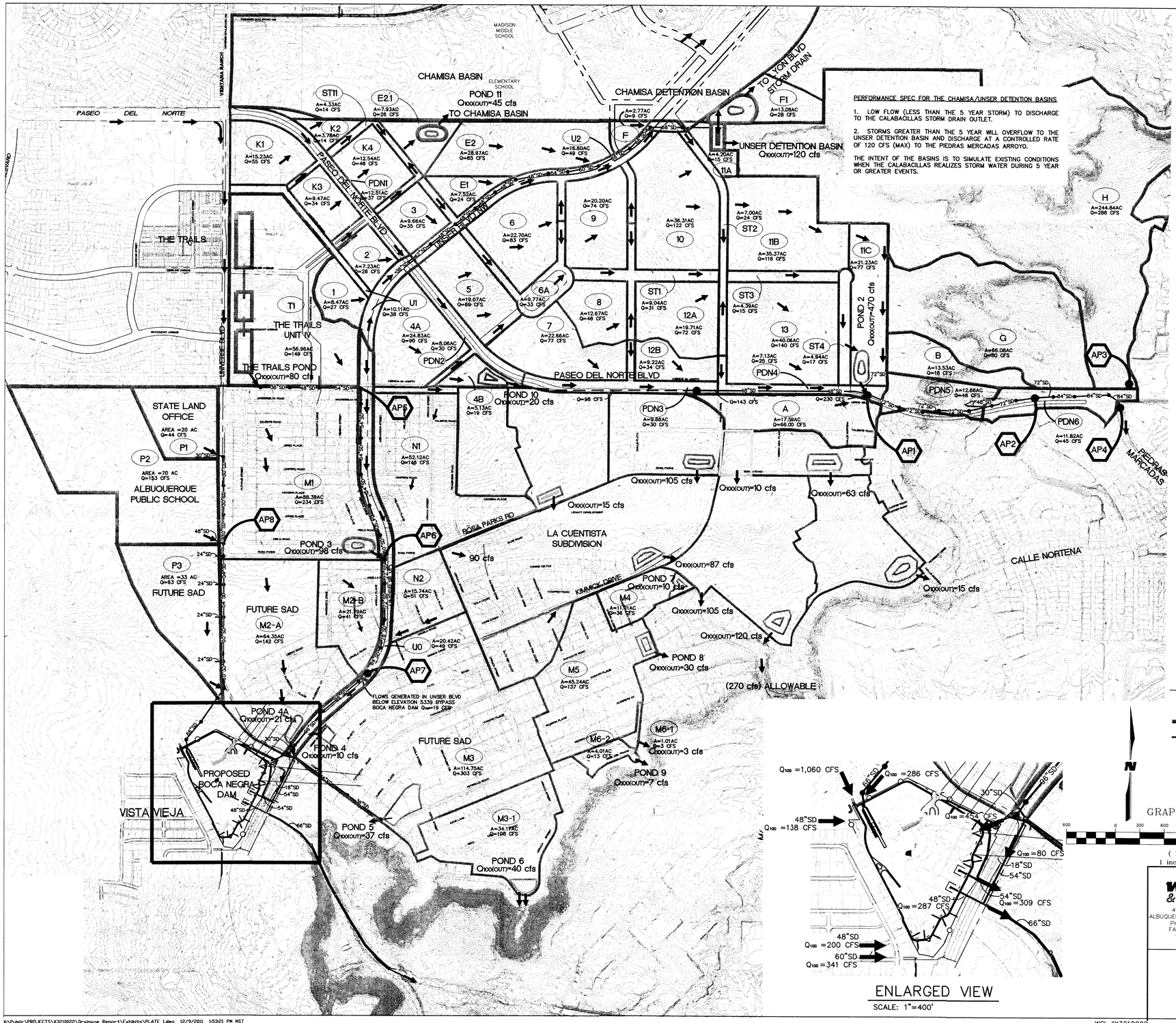
SAD 228
DRAINAGE REPORT

PROPOSED BASIN BOUNDARY PLAN

PLATE 2

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ANALYSIS POINT	FLOW (CFS)
AP1	620
AP2	644
AP3	288
AP4	941
AP5	227
AP6	330
AP7	439
AP8	176

LEGEND

- G — BASIN ID
- BASIN BOUNDARY
- STORM DRAIN
- FLOW DIRECTION
- AP3 — ANALYSIS POINT ID

N

GRAPHIC SCALE

600 0 300 600 1200 2400

(IN FEET)
1 inch = 600 ft.

Table 1: Basin Summary

BASIN	AREA (SQ MI)	AREA (ACRE)	LAND TREATMENT (%) A	B	C	D	Q_{100} (CFS)	VOL_{100} (AC-FT)
BASINS DRAINING TO THE CHAMISA BASIN THROUGH POND 11[1]								
E2.1	0.0124	7.93	0	15	35	50	26	0.91
K1	0.0238	15.23	0	10	10	80	55	2.17
K2	0.0059	3.78	0	10	10	80	14	0.54
K3	0.0148	9.47	0	10	10	80	34	1.35
K4	0.0196	12.54	0	10	10	80	46	1.78
ST11	0.0068	4.33	0	10	0	90	14	0.65
BASINS DRAINING TO THE UNSER DETENTION BASIN								
1	0.0132	8.47	0	10	15	75	27	0.97
2	0.0113	7.23	0	10	15	75	26	1.00
3	0.0151	9.66	0	10	15	75	35	1.33
11A	0.0066	4.20	0	10	10	80	15	0.60
E1	0.0118	7.52	0	15	35	50	24	0.86
E2	0.0453	28.97	0	15	35	50	85	0.94
F	0.0043	2.77	0	15	35	50	9	0.26
PDN1	0.0196	12.51	0	10	0	90	37	1.89
U1	0.0158	10.11	0	10	0	90	38	1.53
U2	0.0259	16.60	0	10	0	90	49	2.34
BASINS DRAINING INTO POND 2								
5	0.0298	19.07	0	10	10	80	69	2.71
6	0.0355	22.70	0	10	10	80	83	3.23
8	0.0198	12.67	0	10	10	80	46	1.80
9	0.0316	20.20	0	10	10	80	74	2.87
10	0.0567	36.29	0	10	10	80	122	5.16
13	0.0626	40.06	0	10	10	80	140	5.70
11B	0.0553	35.37	0	10	0	90	116	5.03
11C	0.0332	21.23	0	10	10	80	77	3.02
12A	0.0308	19.71	0	10	10	80	72	2.80
6A	0.0153	9.77	0	10	10	80	33	1.39
ST1	0.0141	9.04	0	10	0	90	31	1.37
ST2	0.0109	7.00	0	10	0	90	24	1.06
ST3	0.0069	4.39	0	10	0	90	15	0.66
ST4	0.0077	4.94	0	10	0	90	17	0.75
BASINS DRAINING INTO PASEO DEL NORTE STORM DRIAN SYSTEM								
4A[4]	0.0388	24.83	0	10	10	80	90	3.53
4B[4]	0.0080	5.12	0	10	10	80	19	0.73
PDN2[4]	0.0126	8.06	0	10	0	90	30	1.22
7	0.0354	22.66	0	10	10	80	77	3.22
12B	0.0144	9.22	0	10	10	80	34	1.31
PDN3	0.0151	9.66	0	10	0	90	30	1.46
PDN4	0.0111	7.13	0	10	0	90	25	1.08
A	0.0275	17.60	0	5	10	85	66	2.60
BASINS DRAINING INTO PIEDRAS MARCADAS								
B	0.0211	13.53	100	0	0	0	16	0.46
F1	0.0204	13.08	0	60	40	0	28	0.78
G	0.1032	66.05	100	0	0	0	80	2.22
H	0.3826	244.84	100	0	0	0	288	8.24
PDN5	0.0198	12.66	0	10	0	90	48	1.91
PDN6	0.0185	11.82	0	10	0	90	45	1.79
BASINS DRAINING INTO BOCA NEGRA DAM								
UNIVERSE BLVD								
P1	0.0313	20.00	25	26	27	22	44	1.52
P2	0.1094	70.02	0	25	25	50	153	7.85
P3	0.0515	32.96	0	25	25	50	63	3.70
UNSER BLVD								
M1	0.1381	88.38	0	10	40	50	234	10.25
M2-B	0.0201	21.79	0	10	40	50	41	1.49
*N1[2]	0.0814	52.10	0	10	40	50	146	6.05
N2	0.0246	15.74	0	10	40	50	51	1.83
T1	0.0890	56.96	0	10	40	50	149	6.61
*U0[3]	0.0319	20.42	0	10	40	50	49	2.37
BASIN DRAINING INTO ATRISCO STORM DRAIN								
M2-A	0.1145	64.35	5	30	35	30	142	6.52
M3	0.1793	114.75	0	10	40	50	303	13.32
BASIN DRAINING INTO POND-6								
M3-1	0.0534	34.17	0	10	40	50	108	3.97
BASIN DRAINING INTO POND-7								
M4	0.0172	11.01	0	10	40	50	36	1.28
BASIN DRAINING INTO POND-8								
M5	0.0707	45.25	0	10	40	50	137	5.25
BASIN M6 DRAINING INTO POND-9 AND ESCARPMENT								
M6-1[5]	0.0003	1.01	0	10	40	50	3	0.02
M6-2[6]	0.0075	4.01	0	10	40	50	13	0.56

NOTES:
* DIVIDED FLOW
1 - 45 CFS FROM BASIN E2 DRAINS INTO CHAMISA STORM DRAIN (5 CFS/LOT)
2- 90 CFS DRAINS INTO LA CUENTISTA SUBDIVISION
3 - 19 CFS DRAINS INTO THE 48" OUTLET FROM BOCA NEGRA DAM
4- ROUTED THROUGH POND 10
5- FREE DISCAHRGE.
6- DRAINS INTO POND 9.

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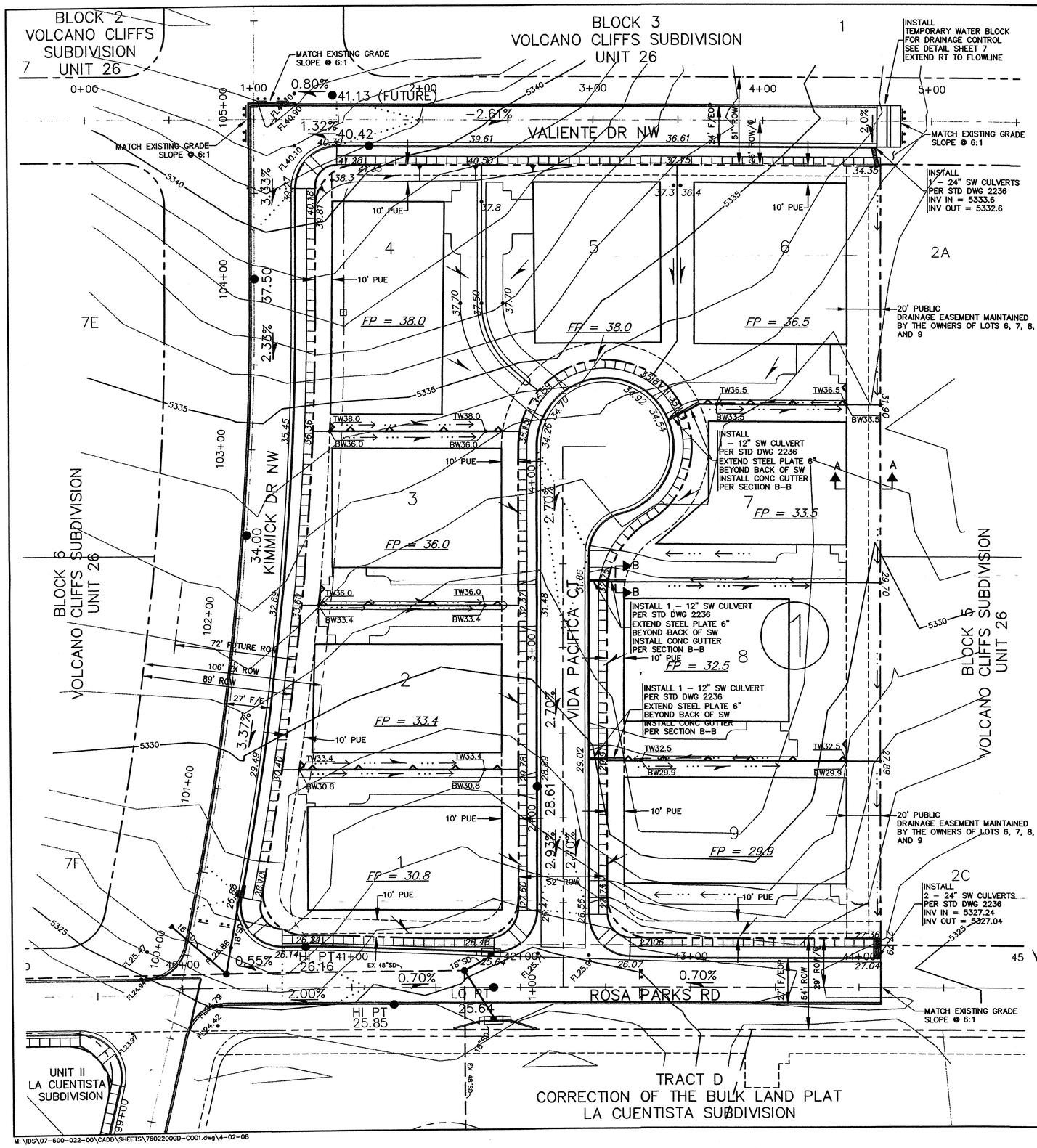
VOLCANO HEIGHTS
CONCEPTUAL DRAINAGE COMPILATION PLAN

PLATE 1

X:\Public\PROJECTS\X3210022\Drainage Report\Exhibits\PLATE 1.dwg 12/9/2011 1:53:21 PM MST

WCI #X3210022
OCTOBER 2011

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DRAINAGE REPORT

Site Description
The project site, Tierra Buena Estates, is located at the intersection of Rosa Parks Rd NW and Kimmick Dr NW. It is Lot 1, Block 5, Unit 26 of Volcano Cliffs Subdivision. Tierra Buena Estates is bounded on the north by Valiente Rd, on the east by Lot 2, Block 5, Unit 26 of Volcano Cliffs Subdivision, on the south by Rosa Parks Rd NW, and on the west by Kimick Dr. NW.

Legal Description
Tierra Buena Estates

Flood Hazard Zones
The site is not located in a flood zone as shown by Panel 112.

Existing Conditions
Majority of the site is located in Basin 302 and a portion in Basin 303 as shown on the "La Cuentista Subdivision Proposed Conditions Drainage Basin Map" by Wilson & Co. dated January 2007. This map is part of "A Supplement to the Drainage Report for La Cuentista Subdivision" by Wilson & Co., dated November 2003. The site is naturally graded southeast with existing flows of 4.7 cfs.

Proposed Conditions
The proposed development of Tierra Buena Estates will continue to adhere to the general drainage patterns established on the approved "A Supplement to the Drainage Report for La Cuentista Subdivision" by Wilson & Co., dated January 2007. The flows from Tierra Buena Estates will discharge ~12.7 cfs through a 48" RCP SD into a temporary interim detention pond in Basin 214 located in Tract D of the Correction Plat of the Bulk Land Plat of La Cuentista Subdivision.

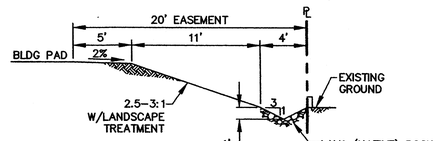
Temporary interim detention ponding in Basin 214 will be utilized to hold flows generated by developed conditions of ~12.7 cfs from Tierra Buena Estates, ~4 cfs from La Cuentista Subdivision–Unit II, and ~117.1 cfs from Pond 6 in Basin 302, for a total of 133.8 cfs.

Developed Condition results are as follows:

1) Land Treatment – 45.8% Land Treatment D, 47.8% Land Treatment C, 6.35% Land Treatment B, and 0% Land Treatment A.

The future development of Tract D of the Correction Plat of the Bulk Land Plat of La Cuentista Subdivision (La Cuentista Subdivision–Unit III) will construct the necessary permanent Pond 8 with an outlet structure to the Mariposa Channel located at the SW corner of Basin 214. The temporary interim detention pond, will be eliminated upon the construction of Tract D with the flows discharging into the proposed Pond 8.

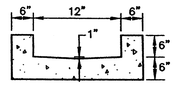
Conclusion
The development of this site is designed to substantially adhere to "A Supplement to the Drainage Report for La Cuentista Subdivision" by Wilson & Company, Inc., dated January 2007. This document indicates Pond 8 has a storage capacity of 257 cfs and an ultimate discharge of 106 cfs into the Mariposa Channel.



SECTION A–A

DRAINAGE EASEMENT DETAIL

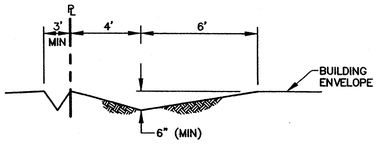
SCALE: 1" = 6'



SECTION B–B

CONCRETE GUTTER DETAIL

SCALE: NTS



TYPICAL SWALE DETAIL

SCALE: NTS

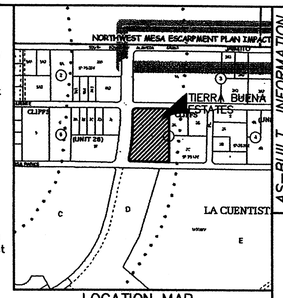
LEGEND

- RIGHT OF WAY
- FP = 00.0 — FINISH PAD ELEVATION
- FLOW DIRECTION
- ●30.34 — SPOT ELEVATION (FLOWLINE LT & RT)
- 25.9 — LOT GRADING SPOT ELEVATION
- RETAINING WALL
- SWALE

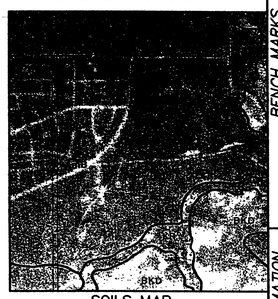
GRAPHIC SCALE

30 0 15 30 60 120

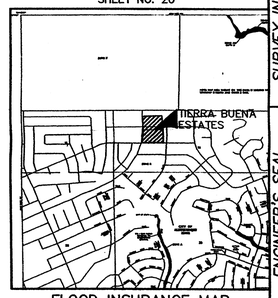
(IN FEET)
1 inch = 30 ft.



LOCATION MAP
ZONE ATLAS MAP NO. C–11



SOILS MAP
REFERENCE: SCS BERNALILLO COUNTY SOIL SURVEY
SHEET NO. 20



FLOOD INSURANCE MAP
REFERENCE: FLOOD INSURANCE STUDY
PANEL 112

LEGAL DESCRIPTION
TIERRA BUENA ESTATES

BENCHMARK
ACS 1 ¾" ALUMINUM DISK STAMPED "ACS BM 5–D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL–DE–SAC AT THE SOUTH END OF RIDGEWAY DR. NW, EPOXIED TO LAVA ROCK IN OUTCROPPING.
ELEVATION = 5267.27 FT. NGVD 29 U.S. FEET

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY KIS DATE SEPT 2007
DRAWN BY OBR DATE SEPT 2007
CHECKED BY DSA DATE SEPT 2007

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

AS–BUILT INFORMATION
CONTRACTOR
WORK STAKED BY DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ENGINEER'S SEAL
JEANNETTE FULLER
NEW MEXICO
14832
REGISTERED PROFESSIONAL ENGINEER

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TIERRA BUENA ESTATES
CONSTRUCTION GRADING PLAN

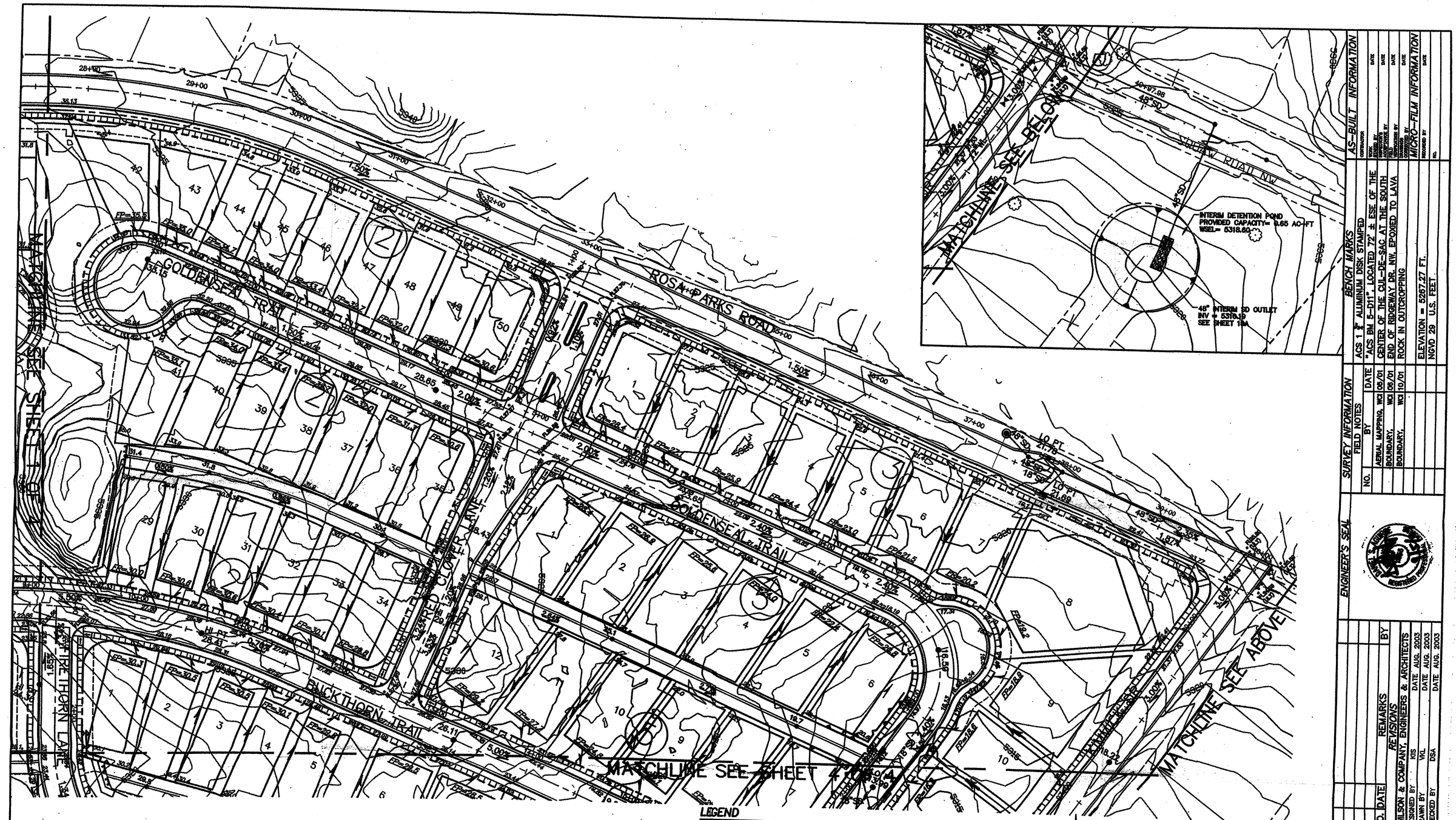
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
FOR INFORMATION ONLY				

City Project No.	Zone Map No.	Drawing	Sheet
705081	C–11		6 of 11

WCI #0760002200
APR 2008
WILSON & COMPANY

M:\DS\07-600-022-00\CADD\SHEETS\7602200GD-C001.dwg\4-02-08

RECEIVED
JAN 04 2012
HYDROLOGY SECTION



LEGEND

- RIGHT OF WAY
- FP = 00.0 — FINISH PAD ELEVATION
- FLOW DIRECTION
- ● 30.34 — SPOT ELEVATION (FLOWLINE LT & RT)
- 25.9 — LOT GRADING SPOT ELEVATION
- REAR YARD SLOPE
- TOE OF SLOPE
- RETAINING WALL

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

N

B:\Projects\0660004701\CADD\SHEETS\66047016D02.dwg\9-05-07\KS

WCI #0660004701
SEPT 2007

WILSON & COMPANY

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	05/01
	BOUNDARY, WCI	10/01

BENCH MARKS

AGS 1 ½" ALUMINUM DISK STAMPED "ACS BM 5-D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL-DE-SAC AT THE SOUTH END OF RIDGEWAY DR. NW. EPOXIED TO LAVA ROCK IN OUTCROPPING

ELEVATION = 5287.27 FT.
NGVD 29 U.S. FEET

AS-BUILT INFORMATION

CONTRACTOR
WORK PERFORMED BY
DATE
INSPECTED BY
DATE
ACCEPTANCE BY
DATE
CERTIFICATION BY
DATE
APPROVED BY
DATE

MICRO-FILM INFORMATION

RECORDED BY
DATE
NO.

ENGINEER'S SEAL

REMARKS

REVISIONS

NO.	DATE	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	KIS	DATE AUG. 2005
DRAWN BY	VIL	DATE AUG. 2005
CHECKED BY	DSA	DATE AUG. 2003

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION – UNIT II
CONSTRUCTION GRADING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	No./Dsv/Yr.	No./Dsv/Yr.

City Project No.	Zone Map No.	Drawing	Sheet
709784	C-10, C-11	2 of 4	10 of 37

RECEIVED
JAN 04 2012
HYDROLOGY SECTION



LEGEND:

- PROPERTY SETBACK
- FLOW ARROW
- SWALE FLOW PATH
- HIGH POINT

STATEMENT:
ALL LOTS WILL ALLOW CROSS LOT DRAINAGE AS SHOWN ON THESE PLANS TO REPRESENT HISTORIC FLOW PATHS PER THE VCSP

70' 50' PAD

FF-FIRST FLOOR MINIMUM ELEVATION

SCALE: 1" = 100'

WCI #0840010400
DECEMBER 2011

WILSON & COMPANY
2600 THE ALAMEDA ROAD S.E.
SUITE 100
RIO RANCHO NEW MEXICO
87124
(505) 338-8021

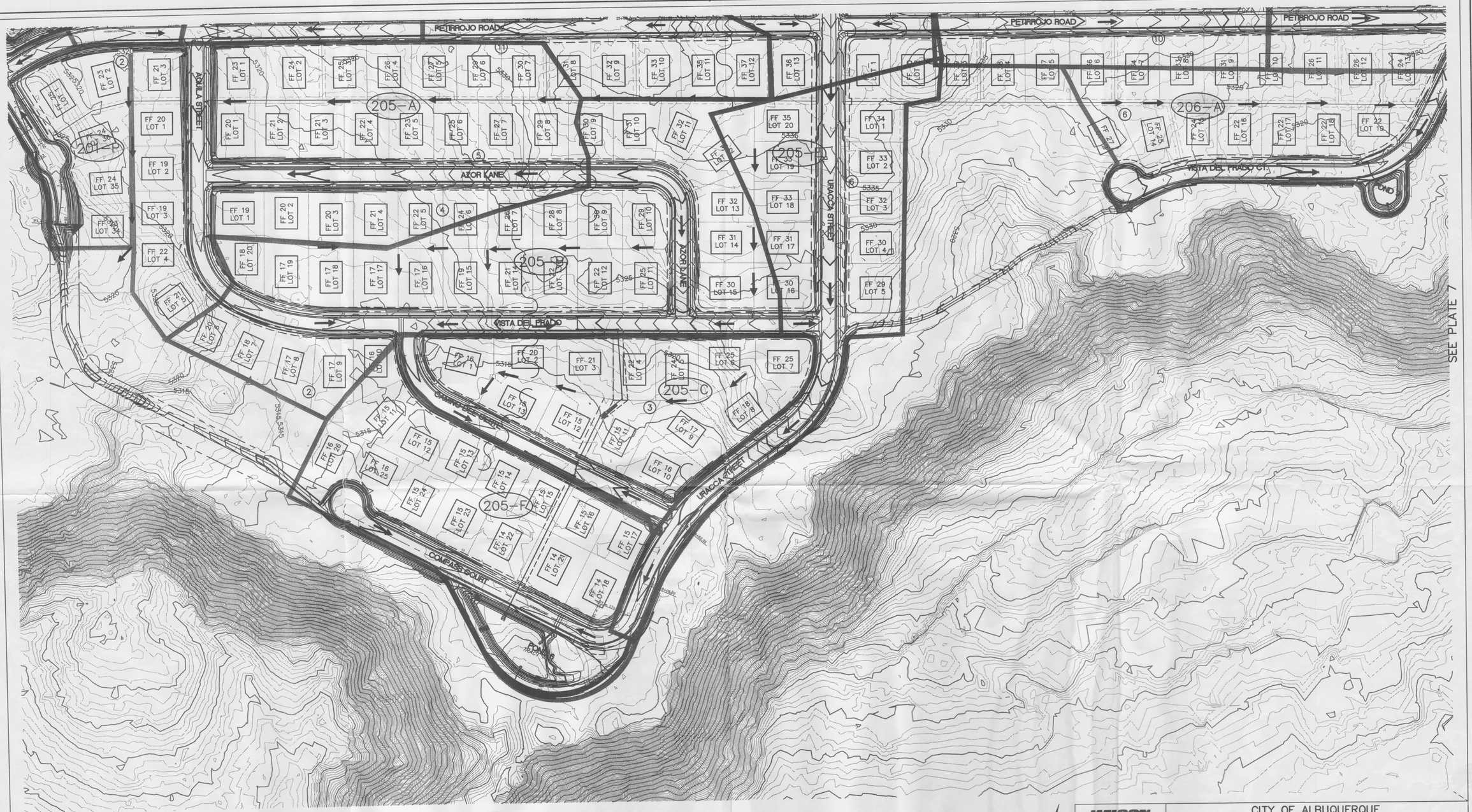
STEVEN MEINO
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
10-30-14

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

SAD 228
DRAINAGE PLAN UNIT 18

LOT GRADING PLAN
UNIT 18, 19 & 22

PLATE 6



LEGEND:

- PROPERTY SETBACK
- FLOW ARROW
- SWALE FLOW PATH
- HIGH POINT

STATEMINT:
ALL LOTS WILL ALLOW CROSS LOT DRAINAGE AS SHOWN ON THESE PLANS TO REPRESENT HISTORIC FLOW PATHS PER THE VCSP

70' X 50' PAD

FF-FIRST FLOOR
MINIMUM ELEVATION

SCALE: 1" = 100'

WCI #0840010400
DECEMBER 2011

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

STEVEN J. WEBB
NEW MEXICO
8220
REGISTERED PROFESSIONAL ENGINEER

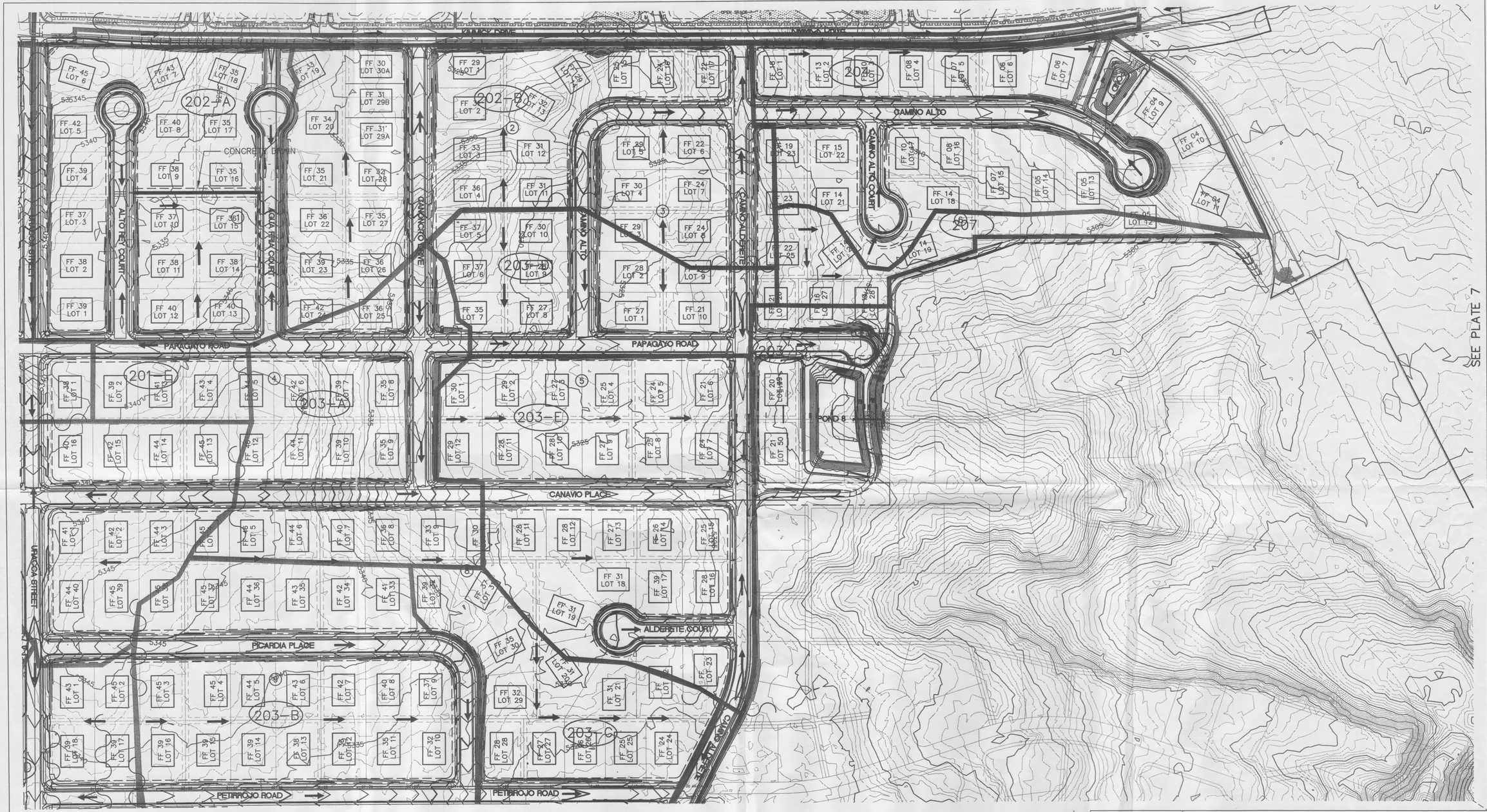
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

SAD 228
DRAINAGE PLAN UNIT 19

LOT GRADING PLAN
UNIT 18, 19 & 22

PLATE 6

M:\RR\08-400-104-00\CADD\SAD 228 DRAINAGE REPORT\PLATE 06 ROUGH GRADING 01.dwg 11/14/2012 11:41:10 AM MST



LEGEND:

- PROPERTY SETBACK
- FLOW ARROW
- SWALE FLOW PATH
- HIGH POINT

STATEMENT:
ALL LOTS WILL ALLOW CROSS LOT DRAINAGE AS SHOWN ON THERE PLANS TO REPRESENT HISTORIC FLOW PATHS PER VCSP

70' X 50' PAD

FF-FIRST FLOOR
MINIMUM ELEVATION

SCALE: 1" = 100'

WCI #0B40010400
DECEMBER 2011

WILSON & COMPANY
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SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 895-8021

STEVEN J. METRO
NEW MEXICO
8220
REGISTERED PROFESSIONAL ENGINEER
6-30-14

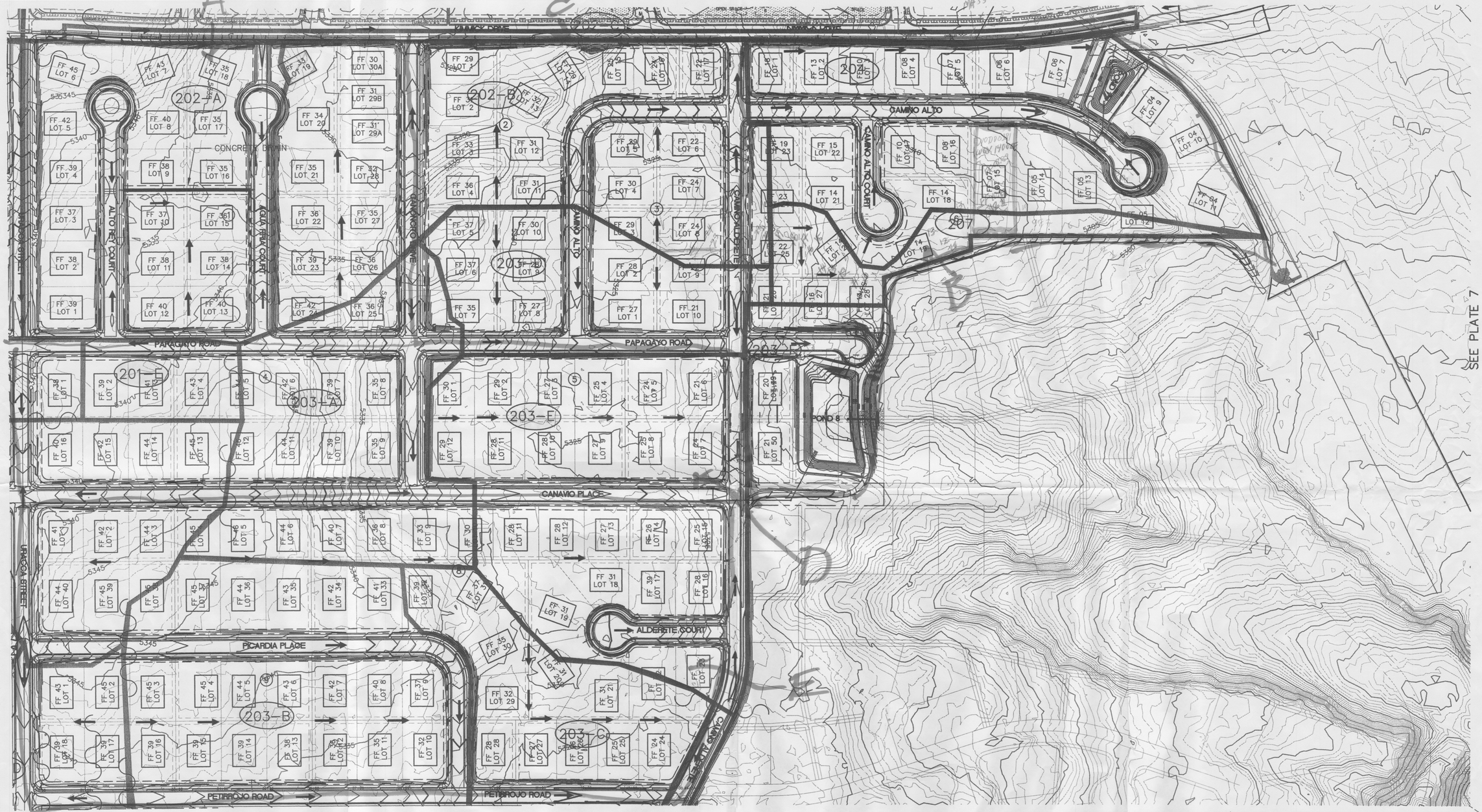
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

SAD 228
DRAINAGE PLAN UNIT 22

LOT GRADING PLAN
UNIT 18, 19 & 22

PLATE 6

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LEGEND:

- PROPERTY SETBACK
- FLOW ARROW
- SWALE FLOW PATH
- HIGH POINT

STATEMENT:
ALL LOTS WILL ALLOW CROSS LOT DRAINAGE AS SHOWN ON THERE PLANS TO REPRESENT HISTORIC FLOW PATHS PER VCSP

70' X 50' PAD

FF-FIRST FLOOR MINIMUM ELEVATION

SCALE: 1" = 100'

WCI #0840010400
DECEMBER 2011

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

STEVEN J. METRO
NEW MEXICO
8220
REGISTERED PROFESSIONAL ENGINEER
6-30-14

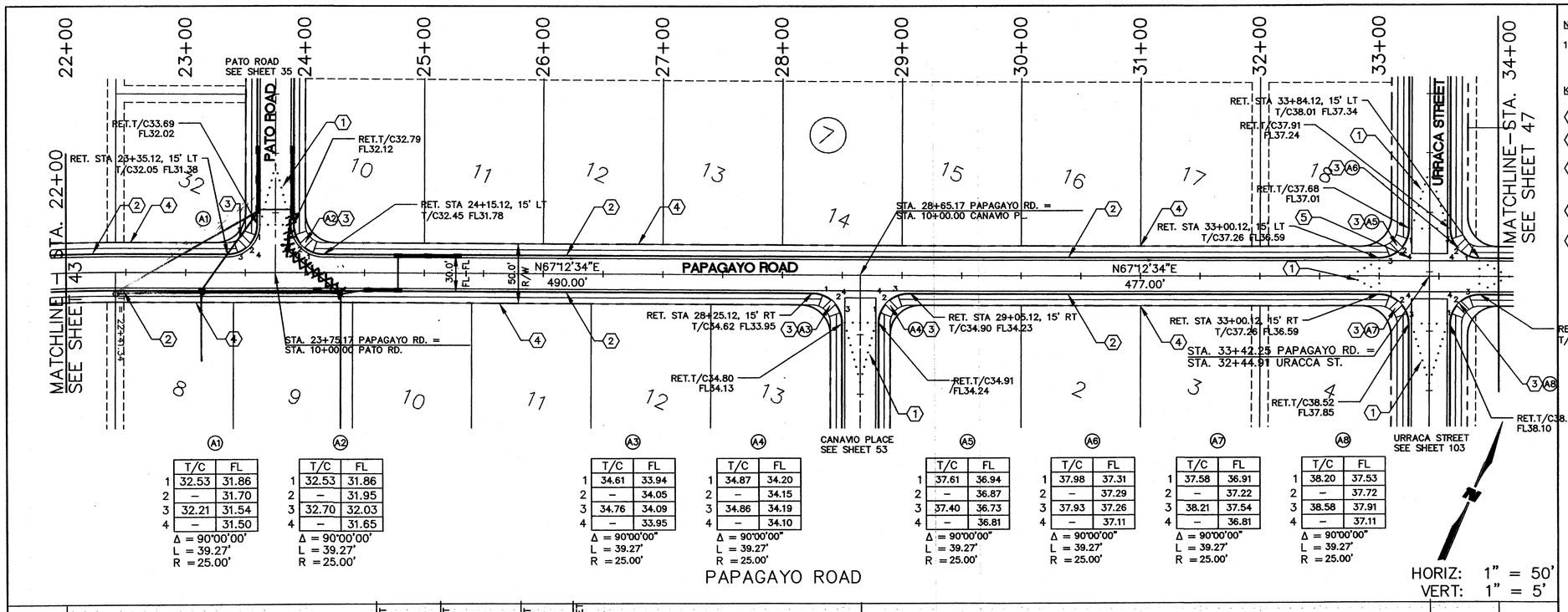
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

SAD 228
DRAINAGE PLAN UNIT 22

LOT GRADING PLAN
UNIT 18, 19 & 22

PLATE 6

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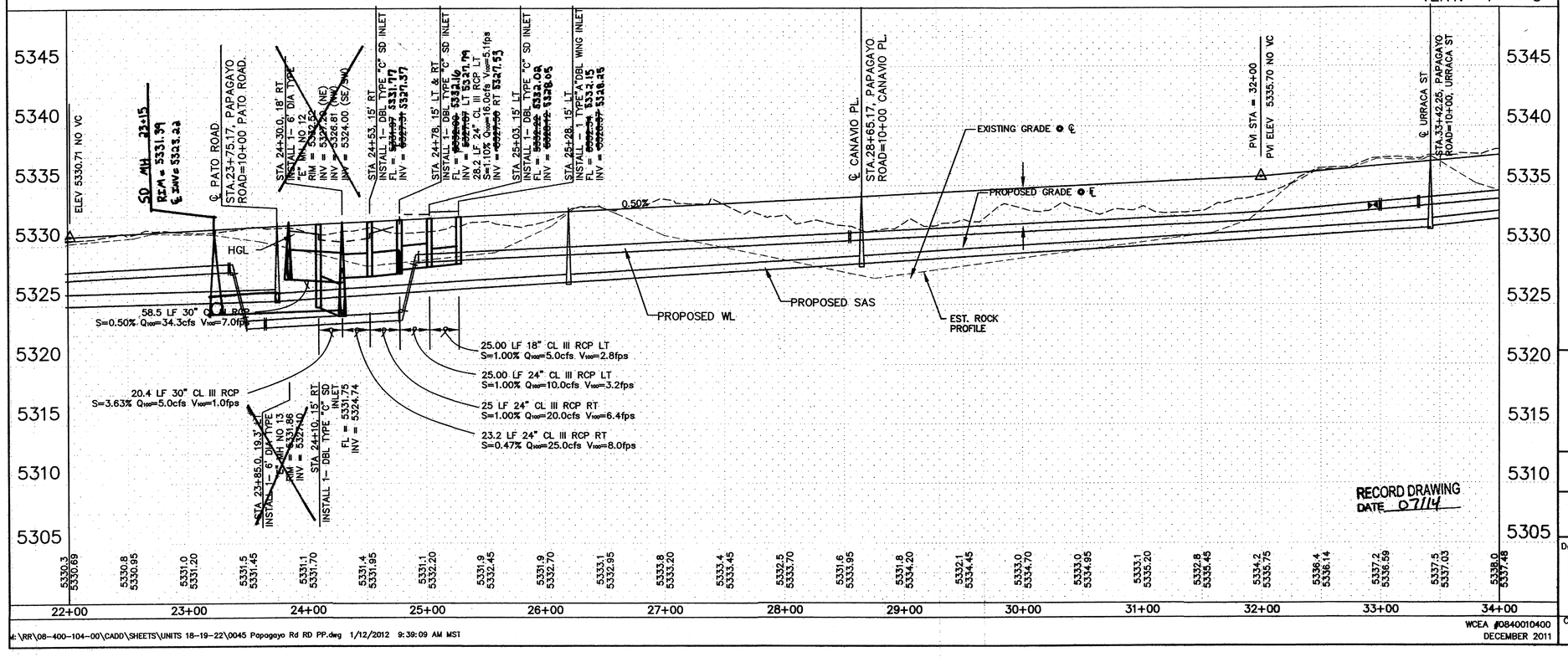


NOTES:

1. SEE 50' R/W TYPICAL ROADWAY SECTION. SEE SHT 7.

KEYED NOTES:

1. CROWN REDUCTION PER STD. DWG. 2401.
2. CONSTRUCT STANDARD CURB & GUTTER PER STD. DWG. 2415A.
3. CONSTRUCT WHEELCHAIR CURB ACCESS RAMP CASE II WITH TRUNCATED DOMES PER STD. DWG. 2441.
4. CONSTRUCT 5' SIDEWALK PER STD. DWG. 2430.
5. CONSTRUCT CONCRETE VALLEY GUTTER PER STD. DWG. 2420.



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WCEA #0840010400
DECEMBER 2011

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
ACS BRASS CAP, STAMPED "3-E10" SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND, LOCATED APPROX. 225' E OF THE INTERSECTION OF RIM ROCK DR. NW AND MARIGOLD DR. NW (NAD 1983), X 1499059.808, Y 1512627.946
ELEVATION = 5318.89 FT. (NAVD 1988)

AS-BUILT INFORMATION
CONTRACTOR | DATE
WORK STAKED BY | DATE
RECEIVED BY | DATE
ACCEPTANCE BY | DATE
VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

ENGINEER'S SEAL
DONALD W. DANEMAN, NEW MEXICO 7816, REGISTERED PROFESSIONAL ENGINEER

NO. | DATE | REMARKS
REVISIONS
DESIGNED BY | STAFF | DATE JUNE 2011
DRAWN BY | STAFF | DATE JUNE 2011
CHECKED BY | SJM | DATE JUNE 2011

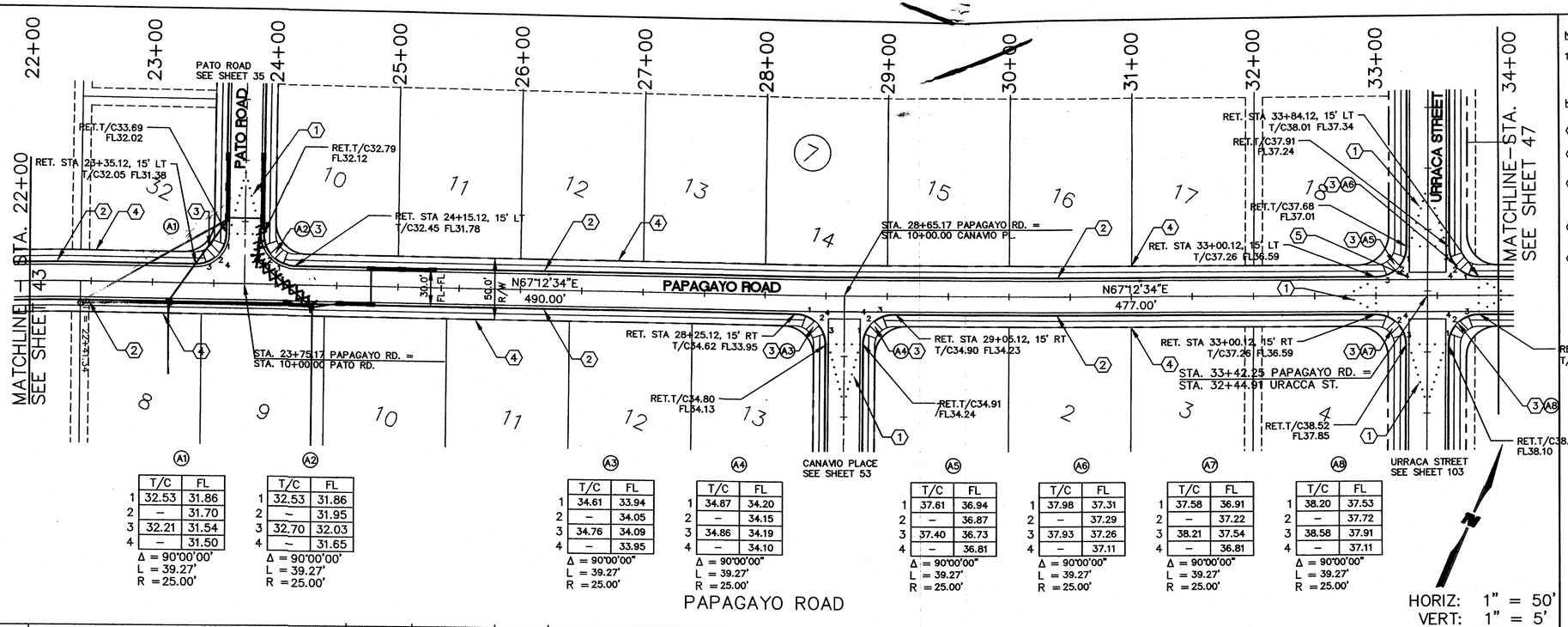
WILSON & COMPANY
4900 LANG AVE NE
ALBUQUERQUE, NEW MEXICO 87109
PH (505) 348-4000
FAX (505) 348-4072
www.wilsonco.com

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

SPECIAL ASSESSMENT DISTRICT 228–VOL. 1
PAVING PLAN & PROFILE
PAPAGAYO ROAD

Design Review Committee: APPROVED JAN 24 2012 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JAN 24 2012 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 693391 | Zone Map No. D–10, D–11 | Sheet 45 Of 156



A1	T/C	FL
1	32.53	31.86
2	–	31.70
3	32.21	31.54
4	–	31.50

Δ = 90°00'00"
L = 39.27'
R = 25.00'

A2	T/C	FL
1	32.53	31.86
2	–	31.95
3	32.70	32.03
4	–	31.65

Δ = 90°00'00"
L = 39.27'
R = 25.00'

A3	T/C	FL
1	34.61	33.94
2	–	34.05
3	34.76	34.09
4	–	33.95

Δ = 90°00'00"
L = 39.27'
R = 25.00'

A4	T/C	FL
1	34.87	34.20
2	–	34.15
3	34.86	34.19
4	–	34.10

Δ = 90°00'00"
L = 39.27'
R = 25.00'

A5	T/C	FL
1	37.61	36.94
2	–	36.87
3	37.40	36.73
4	–	36.81

Δ = 90°00'00"
L = 39.27'
R = 25.00'

A6	T/C	FL
1	37.98	37.31
2	–	37.29
3	37.93	37.26
4	–	37.11

Δ = 90°00'00"
L = 39.27'
R = 25.00'

A7	T/C	FL
1	37.58	36.91
2	–	37.22
3	38.21	37.54
4	–	36.81

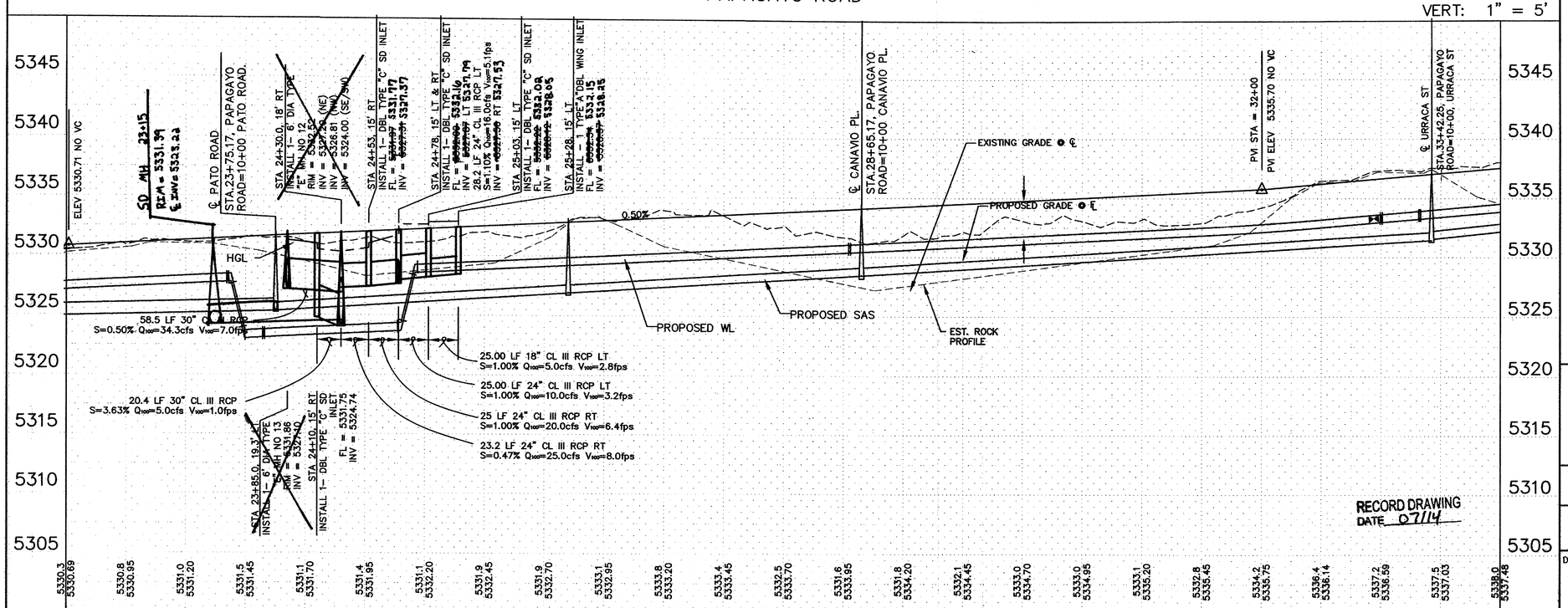
Δ = 90°00'00"
L = 39.27'
R = 25.00'

A8	T/C	FL
1	38.20	37.53
2	–	37.72
3	38.58	37.91
4	–	37.11

Δ = 90°00'00"
L = 39.27'
R = 25.00'

PAPAGAYO ROAD

HORIZ: 1" = 50'
VERT: 1" = 5'



NOTES:

1. SEE 50' R/W TYPICAL ROADWAY SECTION. SEE SHT 7.

KEYED NOTES:

(1) CROWN REDUCTION PER STD. DWG. 2401.

(2) CONSTRUCT STANDARD CURB & GUTTER PER STD. DWG. 2415A.

(3) CONSTRUCT WHEELCHAIR CURB ACCESS RAMP CASE II WITH TRUNCATED DOMES PER STD. DWG. 2441.

(4) CONSTRUCT 5' SIDEWALK PER STD. DWG. 2430.

(5) CONSTRUCT CONCRETE VALLEY GUTTER PER STD. DWG. 2420.

AS–BUILT INFORMATION

CONTRACTOR	AJCE	DATE 9/14
STAKED BY	N/A	DATE 9/14
INSPECTOR'S INITIALS	N/A	DATE 9/14
FIELD REVISION BY	N/A	DATE 9/14
DRAWING CORRECTED BY	N/A	DATE 9/14

MICRO–FILM INFORMATION

RECORDED BY _____ DATE _____

BENCH MARKS

A&S BRASS CAP, STAMPED "3–E10" SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND. LOCATED APPROX. 225' E OF THE INTERSECTION OF RIM ROCK DR. NW AND MARIGOLD DR. NW (NAD 1983), X 1499059.808, Y 1512627.946

ELEVATION = 5318.89 FT. (NAVD 1988)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DONALD W. DINEHART NEW MEXICO (7916) LICENSED PROFESSIONAL ENGINEER 2-1-12

NO.	DATE	REVISIONS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	STAFF	DATE JUNE 2011
DRAWN BY	STAFF	DATE JUNE 2011
CHECKED BY	SJM	DATE JUNE 2011

WILSON & COMPANY
4900 LANG AVE NE
ALBUQUERQUE, NEW MEXICO 87109
PH (505) 348–4000
FAX (505) 348–4072
www.wilsonco.com

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

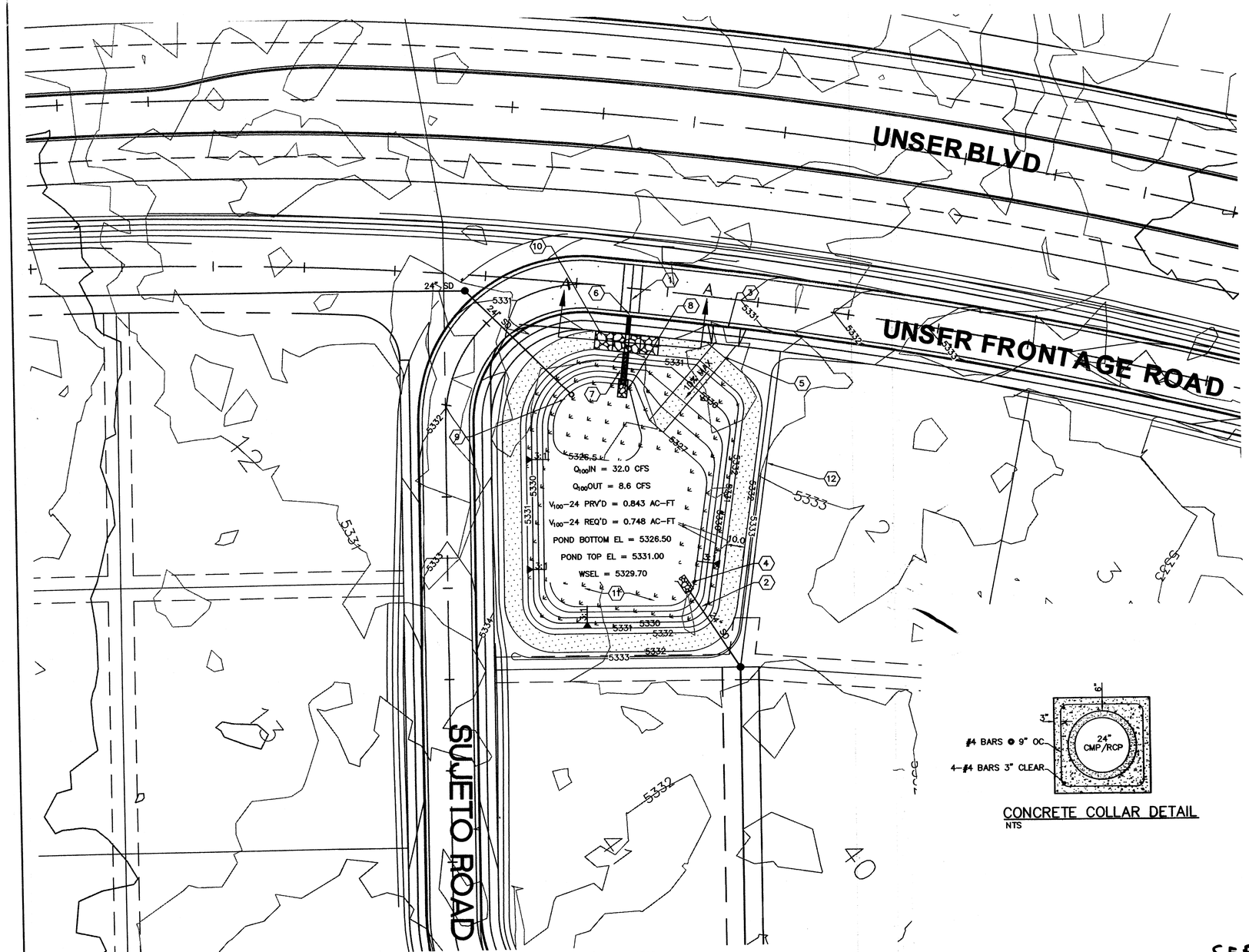
SPECIAL ASSESSMENT DISTRICT 228–VOL. 1
PAVING PLAN & PROFILE
PAPAGAYO ROAD

Design Review Committee: APPROVED JAN 24 2012 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JAN 24 2012 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. 693391 | Zone Map No. D–10, D–11 | Sheet 45 Of 156

WCEA #0840010400
DECEMBER 2011

h:\RR\08–400–104–00\CADD\SHEETS\UNITS 18–19–22\0045 Papagayo Rd RD PP.dwg 1/12/2012 9:39:09 AM MST

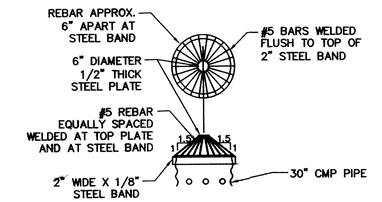


SECTION A-A
EMERGENCY SPILLWAY
NTS

POND 4
SHALL BE MAINTAINED BY
PRIVATE (VCPOA)

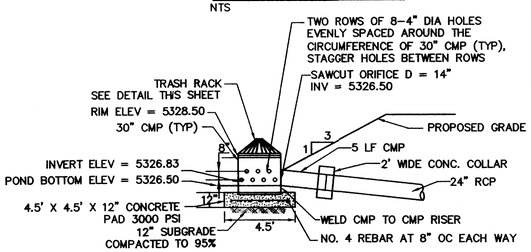
GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

CONCRETE COLLAR DETAIL
NTS



NOTE: ALL EXPOSED METAL SHALL BE "HOT DIP" GALVANIZED

TRASH RACK DETAIL
NTS



CMP RISER DETAIL
NTS

GENERAL SHEET NOTES

1. NO ROCK EXCAVATION ALLOWED PER V.C.S.P.

SHEET KEYNOTES

1. STA 15+30.3, INSTALL 10' WIDE SPECIAL CONCRETE VALLEY GUTTER PER COA STD DWG 2422.
2. INSTALL 50 LF 24" PIPE @ 0.94%, INV = 5327.00, 1-24" POND INLET STRUCTURE.
3. STA 15+84, 15' RT INSTALL 15' WIDE DRIVEPAD PER COA STD DWG 2425
4. INSTALL 5'W X 9'L X 18" D, D50=9" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
5. INSTALL 10' WIDE GRAVEL MAINTENANCE ACCESS. 6" AGGREGATE BASE COURSE, 95% MIN COMPACTION, S_{MAX}=10%.
6. STA 15+30.3, 15' RT, INSTALL 1-24" WIDE DOUBLE SIDEWALK CULVERT PER COA STD DWG 2236. FL = 5330.01
7. INSTALL 18 LF 2' WIDE, 6" DEEP CONCRETE RUNDOWN, S_{MAX}=3:1.
8. INSTALL 5'W X 10'L X 18" D TYPE 'L' RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
9. INSTALL 30" RISER, 2 ROWS OF 8-4" DIA HOLES, W/14" ORIFICE PLATE. SEE DETAIL THIS SHEET.
10. INSTALL 10'W X 15'L EMERGENCY SPILLWAY. SEE DETAIL THIS SHEET.
11. INSTALL NATIVE SEED AND MULCH OVER 1' TOP SOIL, PI>10.
12. APPROXIMATELY 350 LF OF 5' CMU WALL TO BE INSTALLED AROUND POND AS APPROVED BY ENGINEER. PAID FOR PER LF CMU WALL BID ITEM.

SEE SHEET 101A FOR RECORD DRAWING
RECORD DRAWING
DATE 07/14

AS-BUILT INFORMATION
CONTRACTOR AJE
WORK STAKED BY AJE DATE 07/14
WORK INSPECTED/ ACCEPTANCE BY WCE DATE 07/14
FIELD VERIFICATION BY WCE DATE 07/14
DRAWINGS REVISED BY WCE DATE 07/14
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS
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ELEVATION = 5318.89 FT. (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
DONALD W. DONEHAY 7016 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY STAFF DATE JAN. 2012
DRAWN BY STAFF DATE JAN. 2012
CHECKED BY SJM DATE JAN. 2012

WILSON &COMPANY
4900 LANG AVE NE
ALBUQUERQUE, NEW MEXICO 87109
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FAX (505) 348-4072
www.wilsonco.com

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

SPECIAL ASSESSMENT DISTRICT 228-VOL. 1
POND 4 GRADING PLAN

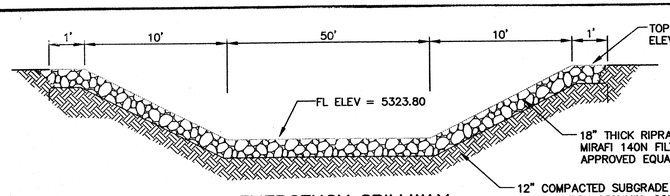
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JAN 24 2012 DESIGN REVIEW COMMITTEE	APPROVED JAN 24 2012 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
693391	D-10, D-11	109	156

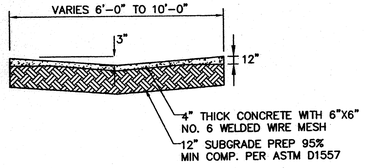
WCEA # 0840010400
DECEMBER 2011

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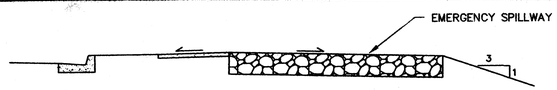
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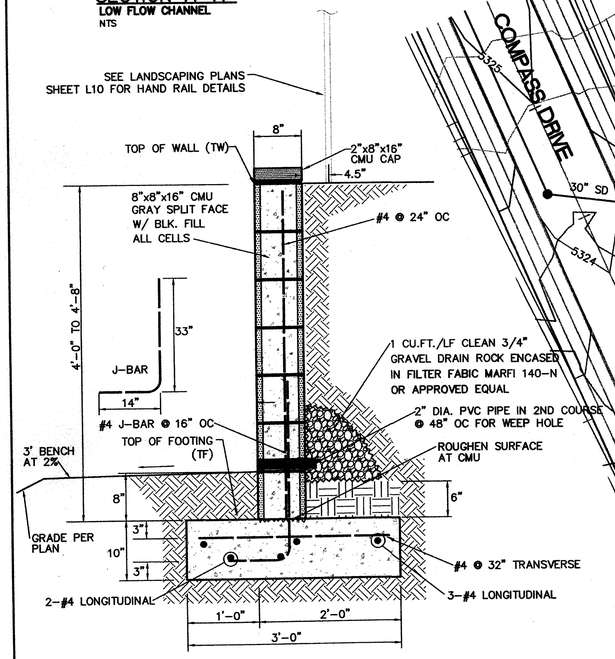
EMERGENCY SPILLWAY
NTS



SECTION A–A
LOW FLOW CHANNEL
NTS

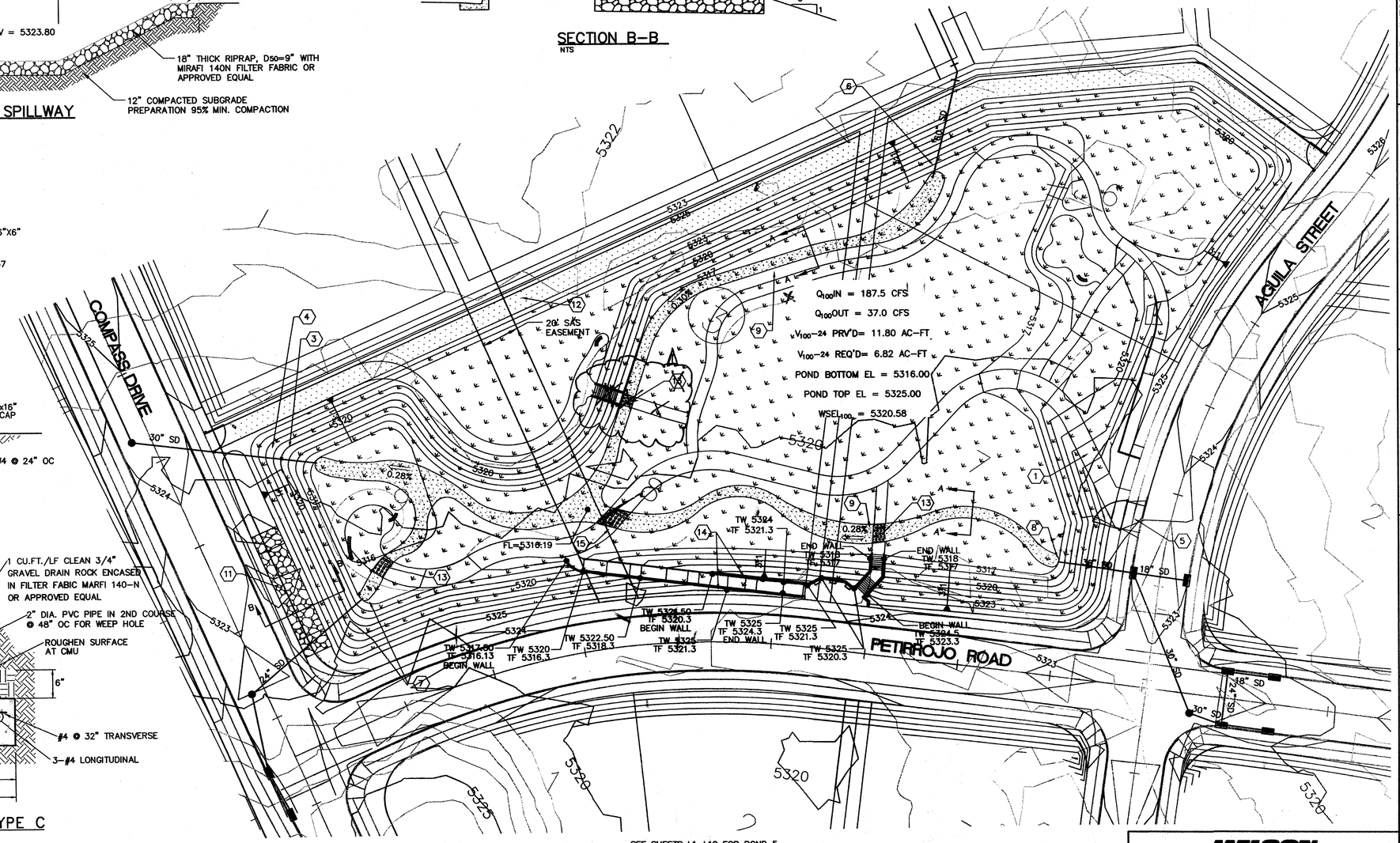


SECTION B–B
NTS



RETAINING WALL – TYPE C
2'–0" TO 4'–8"

NOTE:
FINISHED GRADE SHALL BE LEVEL WITH OR BELOW TOP OF RETAINING PORTION OF WALL, AND NO ADDITIONAL SURFACE LOADS SHALL BE PLACED, WITHIN AN AREA FROM FACE OF WALL TO A DISTANCE EQUAL TO THE RETAINED EARTH HEIGHT.



SEE SHEETS L1–L12 FOR POND 5 LANDSCAPING PLANS AND DETAILS.

SHEET KEYNOTES

1. INSTALL 10' WIDE GRAVEL MAINTENANCE ACCESS, S_{MAX}=10%, 6" AGGREGATE BASE COURSE, 95% MIN COMPACTION. SEE SHEET 124 FOR DETAIL.
2. NOT USED.
3. FLATTEN CHANNEL BOTTOM FROM 3" TO 0".
4. INSTALL 30" POND OUTLET STRUCTURE, INV =5315.75. SEE SHEET 124 FOR DETAIL.
5. STA 19+17, 15' RT, INSTALL 15' WIDE DRIVEPAD PER COA STD DWG 2425.
6. INSTALL 48 LF 60" SD PIPE @ 0.35%, INV = 5317.24, 1– 60" POND INLET STRUCTURE. SEE SHEET 124 FOR DETAIL.
7. INSTALL 81.5 LF 24" PIPE @ 0.12%, INV = 5316.20, 1–24" POND INLET STRUCTURE.
8. INSTALL 34 LF 36" PIPE @ 0.50%, INV = 5317.00, 1–36" INLET STRUCTURE. SEE SHEET 124 FOR DETAIL.
9. INSTALL LOW FLOW CHANNEL. SEE DETAIL THIS SHEET.
10. NOT USED.
11. INSTALL 10'W X 50'L EMERGENCY SPILLWAY. SEE DETAIL THIS SHEET.
12. INSTALL 10' WIDE MAINTENANCE ACCESS. SEE SHEET 124 FOR DETAIL.
13. INSTALL 3–24" SIDEWALK CULVERT PER COA STD DWG 2236. SKEW ANGLE = 0° AND 13°
14. INSTALL RETAINING WALL PER DETAIL THIS SHEET. COST WILL BE INCIDENTAL PER LANDSCAPE LUMP SUM BID ITEM.
15. INSTALL 5–24" SIDEWALK CULVERT PER COA STD DWG 2236. SKEW ANGLE = 26°

GENERAL SHEET NOTES

1. NO ROCK EXCAVATION ALLOWED PER V.C.S.P.
2. SEE LANDSCAPE PLANS FOR PROPOSED SURFACE TREATMENTS
3. SEE LANDSCAPE PLANS FOR PROPOSED POND FEATURES.

POND 5
CITY PARK MAINTAINED BY PARKS & REC EXCEPT FOR INLET/OUTLET STRUCTURES AND LOW FLOW CHANNEL (ITEMS 4, 6, 7, 8, AND 9) WHICH WILL BE MAINTAINED BY COA STORM DRAIN MAINTENANCE.

SEE SHEET 110R FOR RECORD DRAWING

RECORD DRAWING
DATE 07/14

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

WCEA # 0840010400
DECEMBER 2011

AS–BUILT INFORMATION

CONTRACTOR	AJE	
WORK STAKED BY	AJE	DATE 9/14
FIELD VERIFICATION & ACCEPTANCE BY	WCE	DATE 9/14
PLANS REVISED BY	WCE	DATE 9/14
DRAWINGS CORRECTED BY	WCE	DATE 9/14
MICRO–FILM RECORDED BY		DATE

BENCH MARKS

NO.	DESCRIPTION
	ACS BRASS CAP, STAMPED "3–E10"
	SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND. LOCATED APPROX. 225' E OF THE INTERSECTION OF RIM ROCK DR. NW AND MARIGOLD DR. NW (NAD 1983), X 1499059.808, Y 1512627.946
	ELEVATION = 5318.89 FT. (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
DONALD W. DUNEHAY
NEW MEXICO
17016
7-12
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
Δ	7-2-12	EXH A Revisions	SDM

REVISIONS
WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY STAFF DATE JAN. 2012
DRAWN BY STAFF DATE JAN. 2012
CHECKED BY

WILSON & COMPANY
4900 LANG AVE NE
ALBUQUERQUE, NEW MEXICO 87109
PH (505) 348-4000
FAX (505) 348-4072
www.wilsonco.com

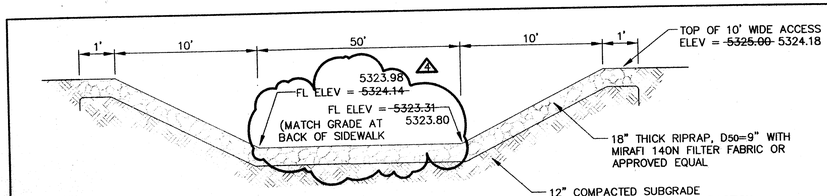
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

SPECIAL ASSESSMENT DISTRICT 228–VOL. 1
POND 5 GRADING & DRAINAGE PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JAN 24 2012 DESIGN REVIEW COMMITTEE	APPROVED JAN 24 2012 CITY ENGINEER			

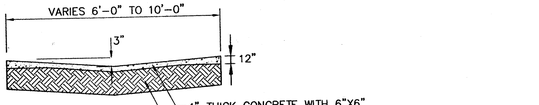
City Project No.	Zone Map No.	Sheet	Of
693391	D–10, D–11	110	156

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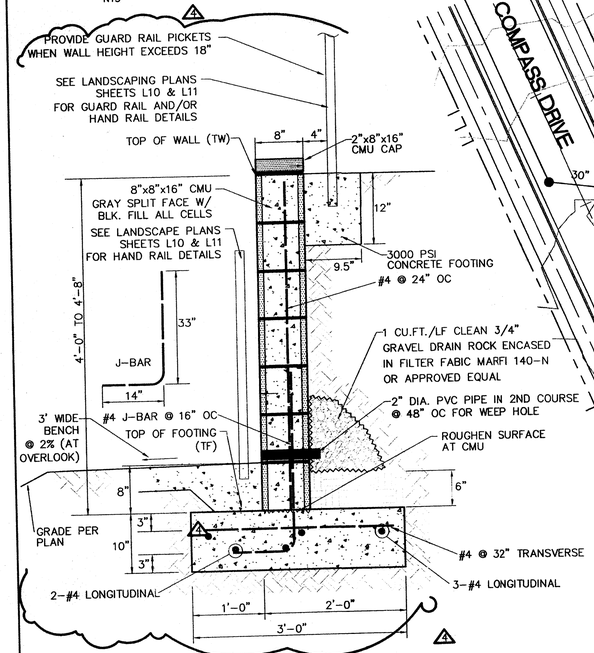


EMERGENCY SPILLWAY
NTS

SECTION B–B
NTS

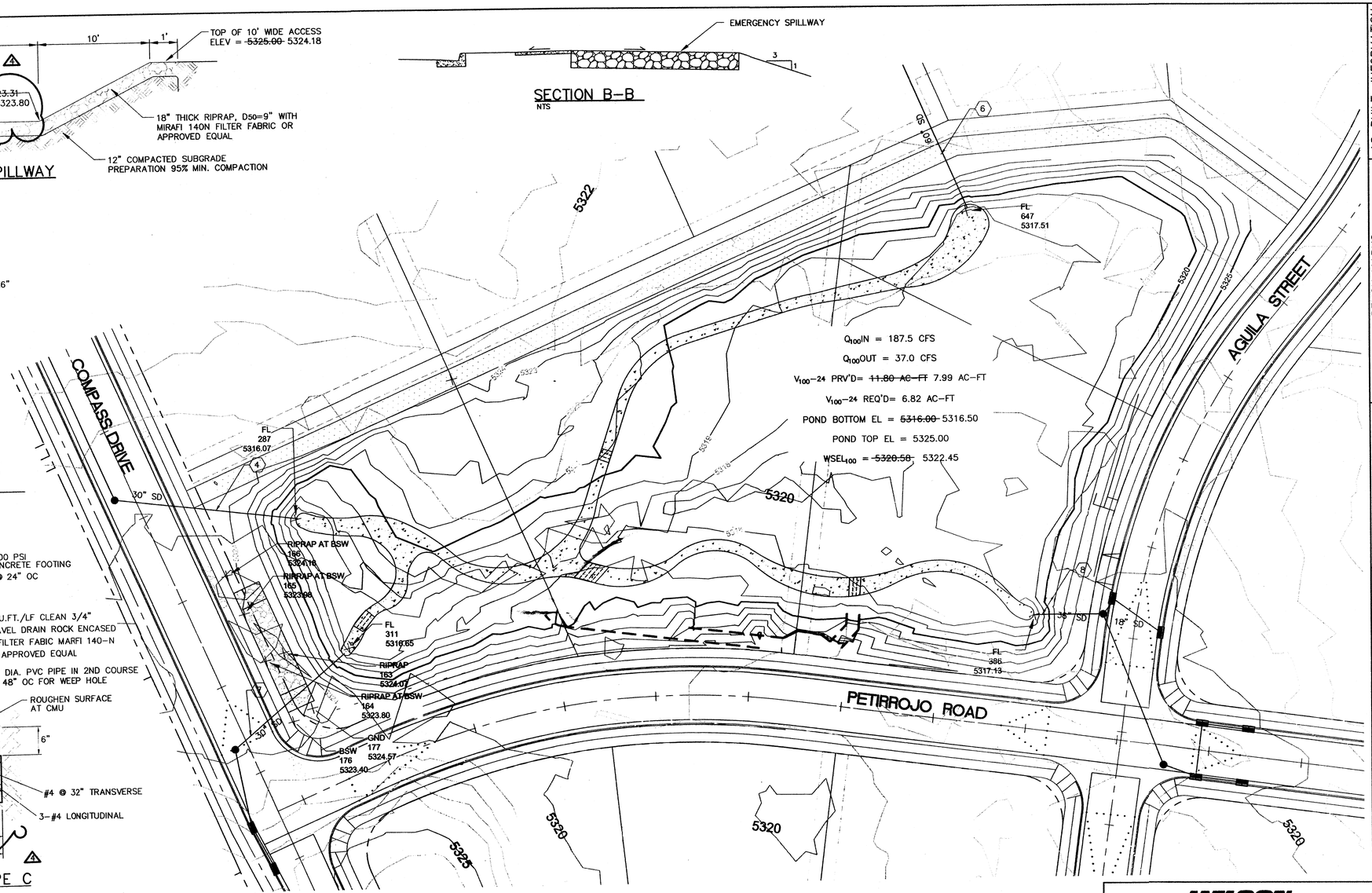


SECTION A–A
LOW FLOW CHANNEL
NTS



RETAINING WALL – TYPE C
2'–0" TO 4'–8"

NOTE:
FINISHED GRADE SHALL BE LEVEL WITH OR BELOW TOP OF RETAINING PORTION OF WALL, AND NO ADDITIONAL SURFACE LOADS SHALL BE PLACED WITHIN AN AREA FROM FACE OF WALL TO A DISTANCE EQUAL TO THE RETAINED EARTH HEIGHT.



SHEET KEYNOTES

1. INSTALL 10' WIDE GRAVEL MAINTENANCE ACCESS, S_{MAX}=10%, 6" AGGREGATE BASE COURSE, 95% MIN COMPACTION. SEE SHEET 124 FOR DETAIL.
2. NOT USED.
3. FLATTEN CHANNEL BOTTOM FROM 3" TO 0".
4. INSTALL 30" POND OUTLET STRUCTURE, ~~INV =5315.75.~~ INV=5316.07 SEE SHEET 124 FOR DETAIL.
5. STA 19+17, 15' RT, INSTALL 15' WIDE DRIVEPAD PER COA STD DWG 2425.
6. INSTALL 48 LF 60" SD PIPE @ 0.35%, ~~INV = 5317.24,~~ INV=5317.51 1– 60" POND INLET STRUCTURE. SEE SHEET 124 FOR DETAIL.
7. INSTALL 81.5 LF 24" PIPE @ 0.12%, ~~INV = 5316.20,~~ INV=5316.65 1–24" POND INLET STRUCTURE.
8. INSTALL 34 LF 36" PIPE @ 0.50%, INV=5317.13 ~~INV = 5317.00,~~ 1–36" INLET STRUCTURE. SEE SHEET 124 FOR DETAIL.
9. INSTALL LOW FLOW CHANNEL. SEE DETAIL THIS SHEET.
10. NOT USED.
11. INSTALL 10'W X 50'L EMERGENCY SPILLWAY. SEE DETAIL THIS SHEET.
12. INSTALL 10' WIDE MAINTENANCE ACCESS. SEE SHEET 124 FOR DETAIL.
13. INSTALL 3–24" SIDEWALK CULVERT PER COA STD DWG 2236. SKEW ANGLE = 0° AND 13°
14. INSTALL RETAINING WALL PER DETAIL THIS SHEET. COST WILL BE INCIDENTAL PER LANDSCAPE LUMP SUM BID ITEM.
15. INSTALL 5–24" SIDEWALK CULVERT PER COA STD DWG 2236. SKEW ANGLE = 26°

GENERAL SHEET NOTES

1. NO ROCK EXCAVATION ALLOWED PER V.C.S.P.
2. SEE LANDSCAPE PLANS FOR PROPOSED SURFACE TREATMENTS
3. SEE LANDSCAPE PLANS FOR PROPOSED POND FEATURES.

POND 5
CITY PARK MAINTAINED BY PARKS & REC EXCEPT FOR INLET/OUTLET STRUCTURES AND LOW FLOW CHANNEL (ITEMS 4, 6, 7, 8, AND 9) WHICH WILL BE MAINTAINED BY COA STORM DRAIN MAINTENANCE.

N

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

RECORD DRAWING
DATE 11/3/14

WCEA # 0840010400
DECEMBER 2011

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

BENCH MARKS
ACS BRASS CAP, STAMPED "3–E10"
SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND, LOCATED APPROX. 225' E OF THE INTERSECTION OF RIM ROCK DR. NW AND MARIGOLD DR. NW
(NAD 1983), X 1499059.808, Y 1512627.946
ELEVATION = 5318.89 FT. (NAVD 1988)

AS–BUILT INFORMATION

CONTRACTOR	AUI	
WORKED BY	AUI	DATE 07/14
INSPECTOR'S REVISION BY	WCI	DATE 10/14
FIELD VERIFICATION BY	WCI	DATE 10/14
DRAWINGS CORRECTED BY	WCI	DATE 10/14

MICRO–FILM INFORMATION
DATE
RECORDED BY
NO.

ENGINEER'S SEAL
M. DUNEMAN NEW MEXICO 17616 LICENSED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	06–12–13	MISC. GRADING CLARIFICATIONS	KIS
2	07–12–12	EXHIBIT A REVISION	DMD

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY STAFF DATE JAN. 2012
DRAWN BY STAFF DATE JAN. 2012
CHECKED BY SLM DATE JAN. 2012

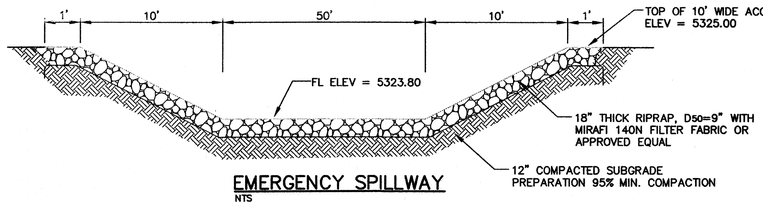
WILSON & COMPANY

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

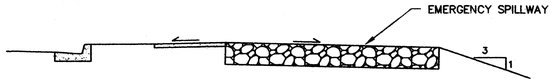
SPECIAL ASSESSMENT DISTRICT 228–VOL. 1
POND 5 GRADING & DRAINAGE PLAN

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

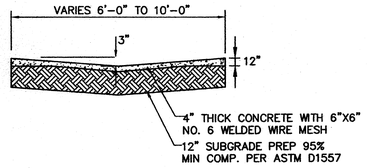
City Project No.	Zone Map No.	Sheet	Of
693391	D–10 D–11	110R	156



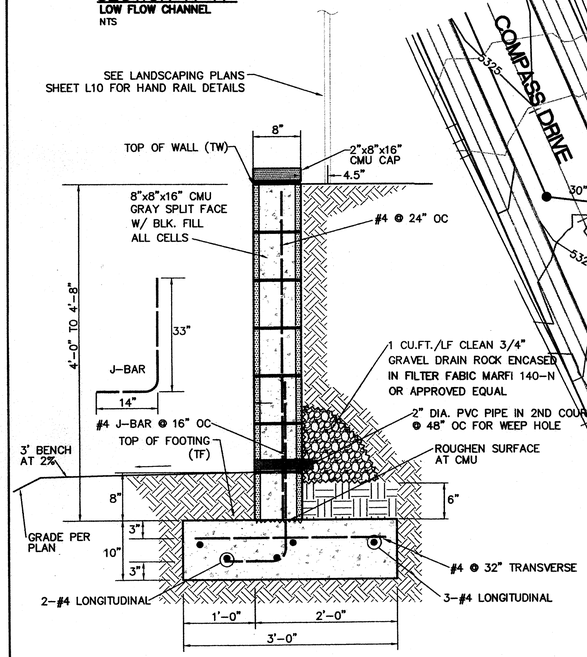
EMERGENCY SPILLWAY
NTS



SECTION B–B
NTS



SECTION A–A
LOW FLOW CHANNEL
NTS



RETAINING WALL – TYPE C
2'–0" TO 4'–8"

NOTE:
FINISHED GRADE SHALL BE LEVEL WITH OR BELOW TOP OF RETAINING PORTION OF WALL, AND NO ADDITIONAL SURFACE LOADS SHALL BE PLACED, WITHIN AN AREA FROM FACE OF WALL TO A DISTANCE EQUAL TO THE RETAINED EARTH HEIGHT.



SEE SHEETS L1–L12 FOR POND 5 LANDSCAPING PLANS AND DETAILS.

SHEET KEYNOTES

1. INSTALL 10' WIDE GRAVEL MAINTENANCE ACCESS, S_{MAX}=10%, 6" AGGREGATE BASE COURSE, 95% MIN COMPACTION. SEE SHEET 124 FOR DETAIL.
2. NOT USED.
3. FLATTEN CHANNEL BOTTOM FROM 3" TO 0".
4. INSTALL 30" POND OUTLET STRUCTURE, INV =5315.75. SEE SHEET 124 FOR DETAIL.
5. STA 19+17, 15' RT, INSTALL 15' WIDE DRIVEPAD PER COA STD DWG 2425.
6. INSTALL 48 LF 60" SD PIPE @ 0.35%, INV = 5317.24, 1– 60" POND INLET STRUCTURE. SEE SHEET 124 FOR DETAIL.
7. INSTALL 81.5 LF 24" PIPE @ 0.12%, INV = 5316.20, 1–24" POND *INLET STRUCTURE.*
8. INSTALL 34 LF 36" PIPE @ 0.50%, INV = 5317.00, 1–36" INLET STRUCTURE. SEE SHEET 124 FOR DETAIL.
9. INSTALL LOW FLOW CHANNEL. SEE DETAIL THIS SHEET.
10. NOT USED.
11. INSTALL 10'W X 50'L EMERGENCY SPILLWAY. SEE DETAIL THIS SHEET.
12. INSTALL 10' WIDE MAINTENANCE ACCESS. SEE SHEET 124 FOR DETAIL.
13. INSTALL 3–24" SIDEWALK CULVERT PER COA STD DWG 2236. SKEW ANGLE = 0° AND 13°
14. INSTALL RETAINING WALL PER DETAIL THIS SHEET. COST WILL BE INCIDENTAL PER LANDSCAPE LUMP SUM BID ITEM.
15. INSTALL 5–24" SIDEWALK CULVERT PER COA STD DWG 2236. SKEW ANGLE = 26°

GENERAL SHEET NOTES

1. NO ROCK EXCAVATION ALLOWED PER V.C.S.P.
2. SEE LANDSCAPE PLANS FOR PROPOSED SURFACE TREATMENTS
3. SEE LANDSCAPE PLANS FOR PROPOSED POND FEATURES.

POND 5
CITY PARK MAINTAINED BY PARKS & REC EXCEPT FOR INLET/OUTLET STRUCTURES AND LOW FLOW CHANNEL (ITEMS 4, 6, 7, 8, AND 9) WHICH WILL BE MAINTAINED BY COA STORM DRAIN MAINTENANCE.

SEE SHEET 110R FOR RECORD DRAWING

RECORD DRAWING
DATE 07/14

N

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

WCEA # 0840010400
DECEMBER 2011

WILSON & COMPANY
4900 LANG AVE NE
ALBUQUERQUE, NEW MEXICO 87109
PH (505) 348–4000
FAX (505) 348–4072
www.wilsonco.com

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

SPECIAL ASSESSMENT DISTRICT 228–VOL. 1
POND 5 GRADING & DRAINAGE PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JAN 24 2012 DESIGN REVIEW COMMITTEE	APPROVED JAN 24 2012 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
693391	D–10, D–11	110	156

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

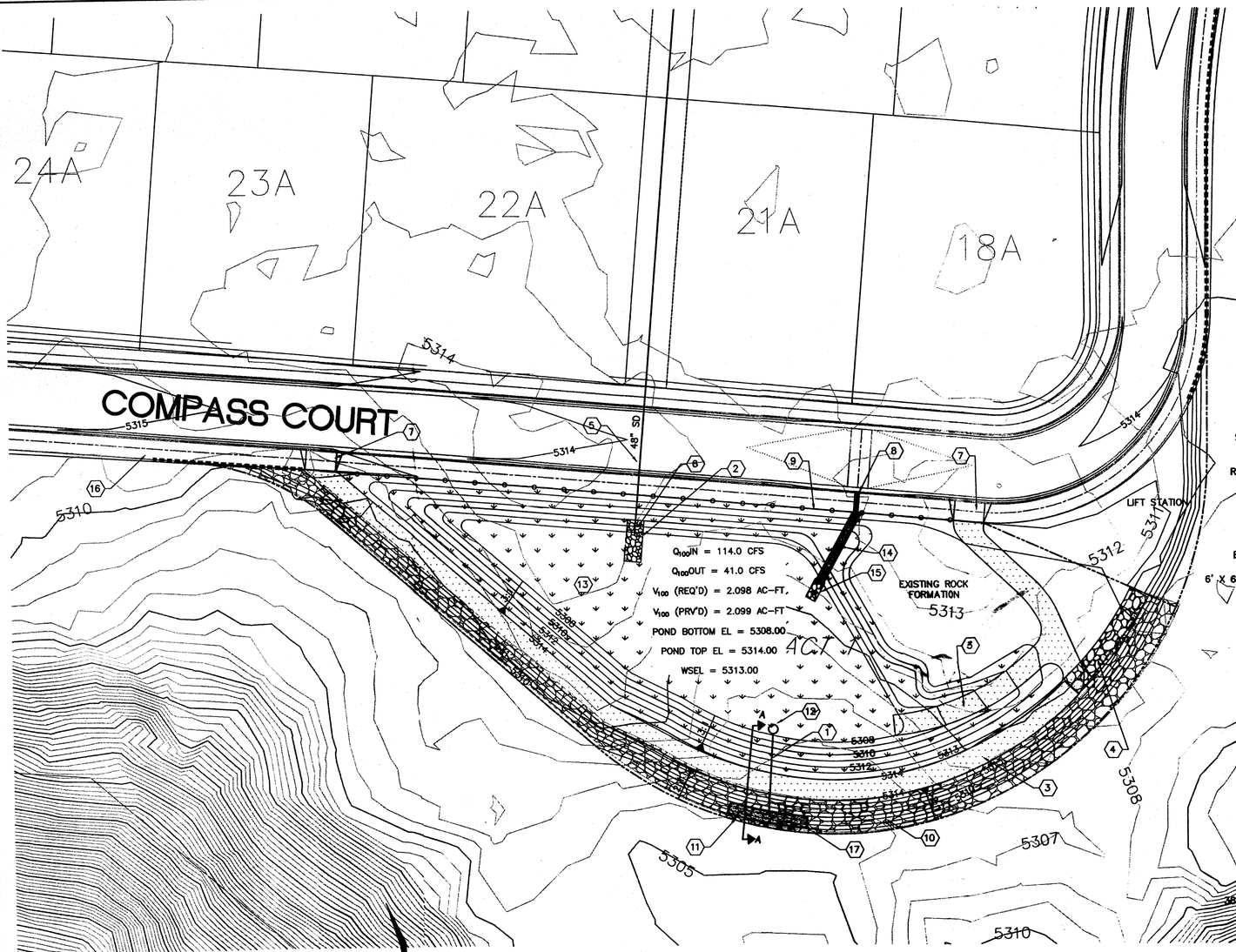
BENCH MARKS
ACS BRASS CAP, STAMPED "3–E10" SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND. LOCATED APPROX. 225' E OF THE INTERSECTION OF RIM ROCK DR. NW AND MARIGOLD DR. NW (NAD 1983), X 1499059.808, Y 1512627.946
ELEVATION = 5318.89 FT. (NAVD 1988)

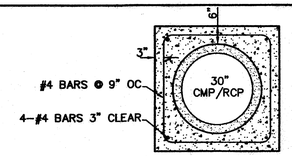
AS–BUILT INFORMATION
CONTRACTOR ADE DATE 6/11/14
WORK STAKED BY ADE DATE 6/11/14
ASBUILTS/REVISIONS BY WCE DATE 6/11/14
FIELD VERIFICATION BY WCE DATE 6/11/14
PLANS MARKED BY WCE DATE 6/11/14
CORRECTED BY WCE DATE 6/11/14
MICRO–FILM INFORMATION
RECORDED BY
DATE
NO.

ENGINEER'S SEAL
DONALD W. DUNEMAN NEW MEXICO 7818 REGISTERED PROFESSIONAL ENGINEER LICENSED PROFESSIONAL ENGINEER

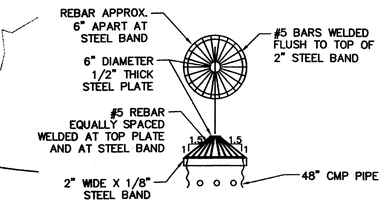
NO.	DATE	REMARKS	BY
		REVISIONS	
1	7-2-12	EXH A Revisions	EJM

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY STAFF DATE JAN. 2012
DRAWN BY STAFF DATE JAN. 2012
CHECKED BY EJM



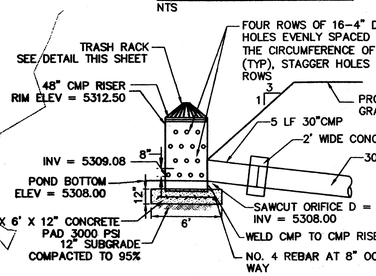


CONCRETE COLLAR DETAIL
NTS



NOTE: ALL EXPOSED METAL SHALL BE "HOT DIP" GALVANIZED

TRASH RACK DETAIL
NTS



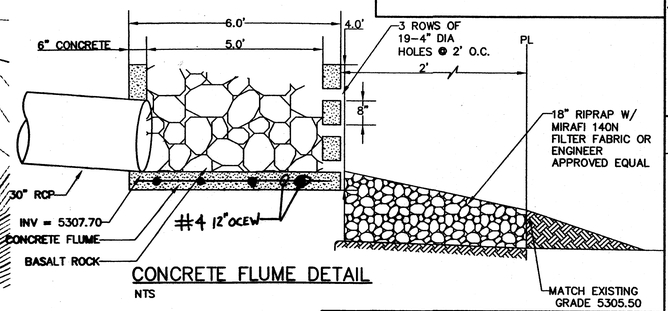
CMP RISER DETAIL
NTS

GENERAL SHEET NOTES

1. NO ROCK EXCAVATION ALLOWED PER V.C.S.P.
2. SEE LANDSCAPING PLAN FOR PLANTING AND IRRIGATION DETAILS.

SHEET KEYNOTES

1. INSTALL 42 LF 30" RCP SD, S = 0.70%, INV UP = 5308.00, INV DOWN = 5307.70
2. INSTALL 8'W X 17'L X 12"D, D50=6" RIPRAP BLANKET W/ MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
3. INSTALL 10' WIDE, GRAVEL MAINTENANCE ACCESS. 6" AGGREGATE BASE COURSE, 95% MIN COMPACTION.
4. INSTALL EMERGENCY SPILLWAY. SEE DETAIL THIS SHEET.
5. INSTALL 342 LF 48" SD PIPE @ 0.22%, INV = 5308.20.
6. INSTALL 1-48" SD POND INLET STRUCTURE.
7. STA 12+78, 15' RT & STA 16+15, 15' RT, INSTALL 15' WIDE DRIVE PAD PER COA STD DWG 2425.
8. STA 15+40, 15' RT, INSTALL 2-24" WIDE SIDEWALK CULVERT PER COA STD DWG 2236.
9. INSTALL OPEN SPACE FENCE.
10. INSTALL 12" THICK BASALT RIPRAP, D50=6", W/ MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
11. INSTALL 2'W X 50'L X 18" D, D50=6" RIPRAP BLANKET W/ MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
12. INSTALL 48" RISER W/ 28" ORIFICE PLATE, 4 ROWS OF 15-4" DIA STAGGERED HOLES. SEE DETAIL THIS SHEET.
13. NATIVE GRASS SEED AND MULCH OVER 1' TOP SOIL PI>10
14. INSTALL 5' WIDE, 6" DEEP CONCRETE RUNDOWN, SMAX = 3:1. SEE DETAIL SHEET 124.
15. INSTALL 5'W X8'L X 18" D, D50=6" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
16. 10' WIDE PEDESTRIAN TRAIL.
17. INSTALL 38' LONG, 5' WIDE CONCRETE FLUME. SEE DETAIL THIS SHEET.

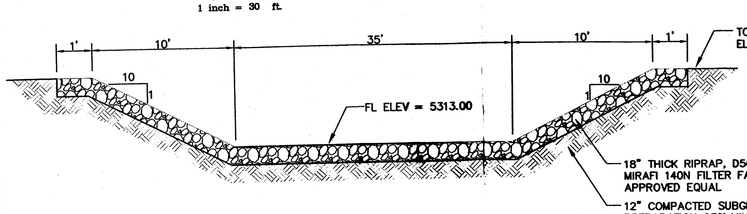


CONCRETE FLUME DETAIL
NTS

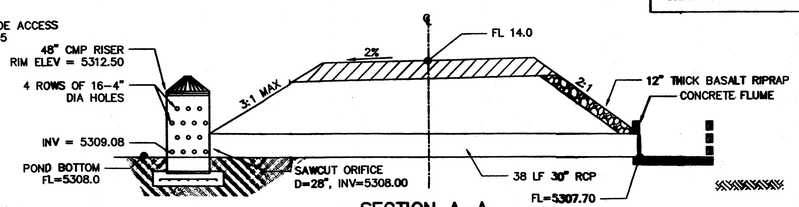
GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.



EMERGENCY SPILLWAY
NTS



SECTION A-A
NTS

POND 6
SHALL BE MAINTAINED BY COA OPEN SPACE EXCEPT FOR INLET/OUTLET STRUCTURES (ITEMS 1, 2, 6, 12,) WHICH WILL BE MAINTAINED BY COA STORM DRAIN MAINTENANCE.

SEE SHEET 111R FOR RECORD DRAWING

RECORD DRAWING
DATE 07/14

WCEA # 0840010400
DECEMBER 2011

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS BRASS CAP, STAMPED "3-E10"
SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND, LOCATED APPROX. 225' E OF THE INTERSECTION OF RIM ROCK DR. NW AND MARIGOLD DR. NW
(NAD 1983), X 1499059.808, Y 1512627.946
ELEVATION = 5318.89 FT. (NAVD 1988)

AS-BUILT INFORMATION

	CONTRACTOR	DATE
WORK STAKED BY:	AUE	07/14
CONSTRUCTION ACCEPTANCE BY:	WLE	07/14
FIELD VERIFICATION BY:	WLE	07/14
DRAWINGS CORRECTED BY:	WLE	07/14
MICRO-FILM INFORMATION RECORDED BY		DATE
		NO.

ENGINEER'S SEAL
DONALD J. DUNEMAN NEW MEXICO 17616 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS
		REVISIONS

	BY	
WILSON & COMPANY, ENGINEERS & ARCHITECTS		
DESIGNED BY	STAFF	DATE JAN. 2012
DRAWN BY	STAFF	DATE JAN. 2012
CHECKED BY	SJM	DATE JAN. 2012

WILSON & COMPANY
4900 LANG AVE NE
ALBUQUERQUE, NEW MEXICO 87109
PH (505) 348-4000
FAX (505) 348-4072
www.wilsonco.com

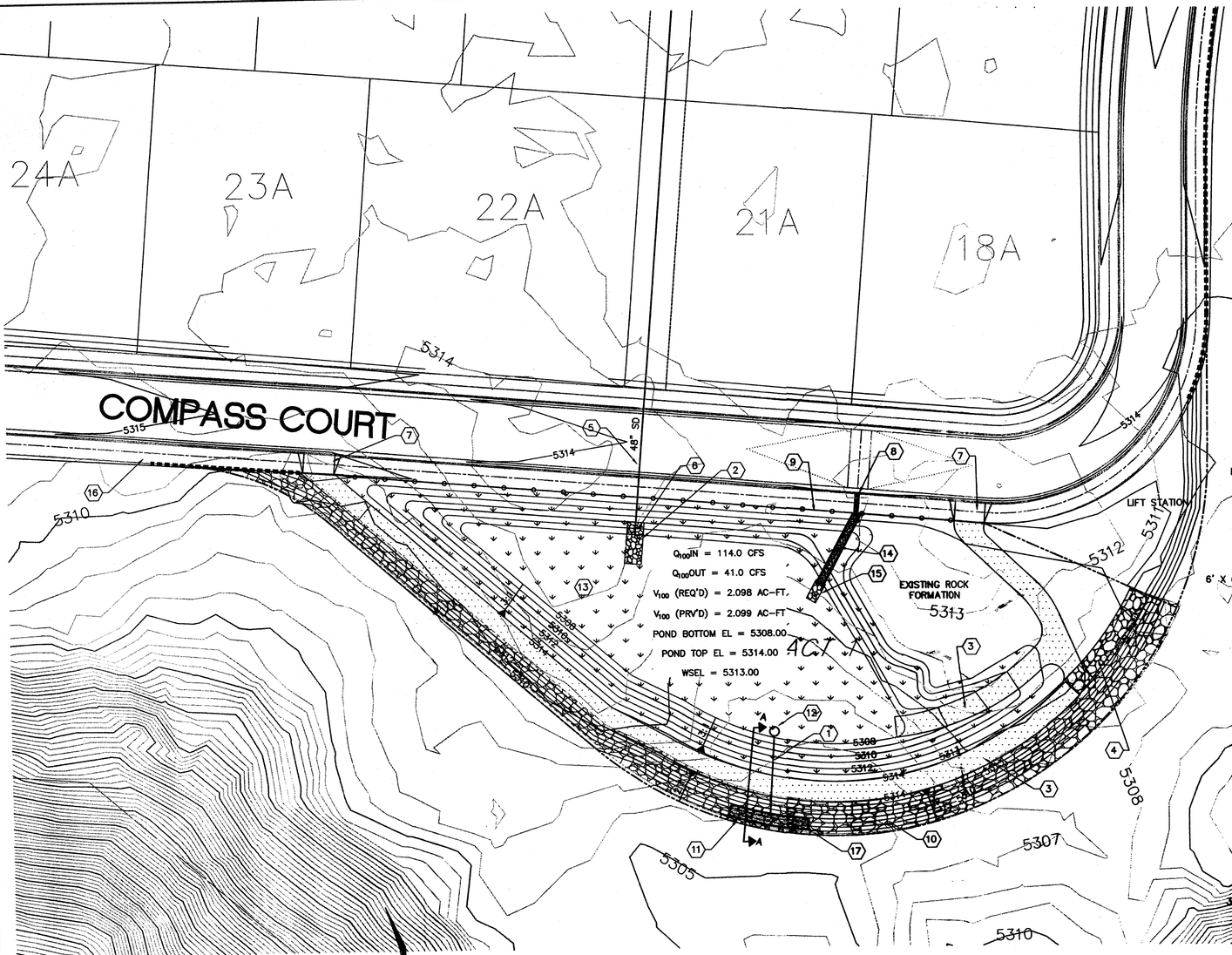
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

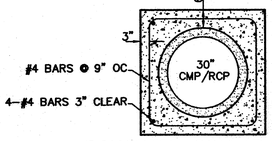
SPECIAL ASSESSMENT DISTRICT 228-VOL. 1
POND 6 GRADING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JAN 24 2012 DESIGN REVIEW COMMITTEE	APPROVED JAN 24 2012 CITY ENGINEER			

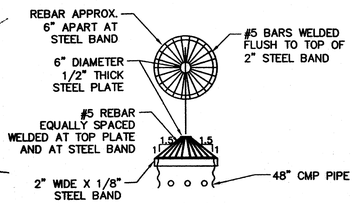
City Project No.	Zone Map No.	Sheet	Of
693391	D-10, D-11	111	156

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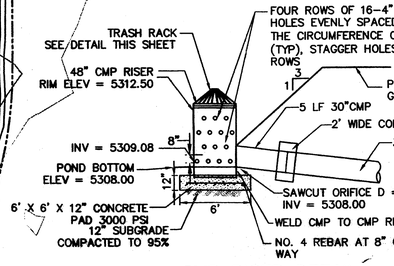


CONCRETE COLLAR DETAIL
NTS



NOTE: ALL EXPOSED METAL SHALL BE "HOT DIP" GALVANIZED

TRASH RACK DETAIL
NTS



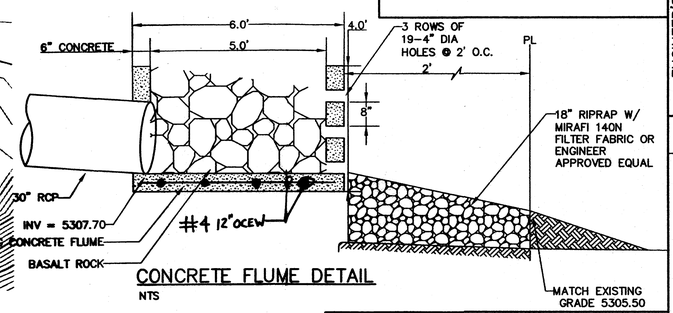
CMP RISER DETAIL
NTS

GENERAL SHEET NOTES

1. NO ROCK EXCAVATION ALLOWED PER V.C.S.P.
2. SEE LANDSCAPING PLAN FOR PLANTING AND IRRIGATION DETAILS.

SHEET KEYNOTES

1. INSTALL 42 LF 30" RCP SD, S = 0.70%, INV UP = 5308.00, INV DOWN = 5307.70
2. INSTALL 8'W X 17'L X 12"D, D50=6" RIPRAP BLANKET W/ MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
3. INSTALL 10' WIDE, GRAVEL MAINTENANCE ACCESS. 6" AGGREGATE BASE COURSE, 95% MIN COMPACTION.
4. INSTALL EMERGENCY SPILLWAY. SEE DETAIL THIS SHEET.
5. INSTALL 342 LF 48" SD PIPE @ 0.22%, INV = 5308.20.
6. INSTALL 1-48" SD POND INLET STRUCTURE.
7. STA 12+78, 15' RT & STA 16+15, 15' RT, INSTALL 15' WIDE DRIVE PAD PER COA STD DWG 2425.
8. STA 15+40, 15' RT, INSTALL 2-24" WIDE SIDEWALK CULVERT PER COA STD DWG 2236.
9. INSTALL OPEN SPACE FENCE.
10. INSTALL 12" THICK BASALT RIPRAP, D50=6", W/ MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
11. INSTALL 2'W X 50'L X 18" D, D50=6" RIPRAP BLANKET W/ MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
12. INSTALL 48" RISER W/ 28" ORIFICE PLATE, 4 ROWS OF 15-4" DIA STAGGERED HOLES. SEE DETAIL THIS SHEET.
13. NATIVE GRASS SEED AND MULCH OVER 1' TOP SOIL PI>10
14. INSTALL 5' WIDE, 6" DEEP CONCRETE RUNDOWN, SMAX = 3:1. SEE DETAIL SHEET 124.
15. INSTALL 5'W X8'L X 18" D, D50=6" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
16. 10' WIDE PEDESTRIAN TRAIL.
17. INSTALL 38' LONG, 5' WIDE CONCRETE FLUME. SEE DETAIL THIS SHEET.

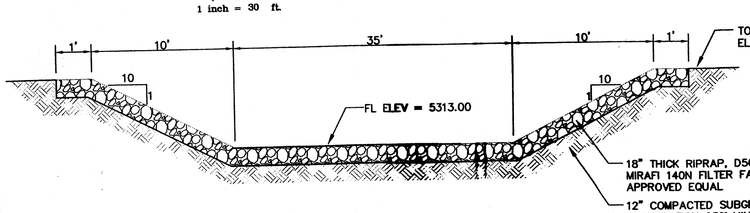


CONCRETE FLUME DETAIL
NTS

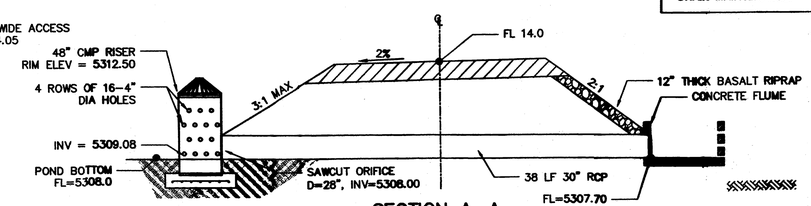
GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.



EMERGENCY SPILLWAY
NTS



SECTION A-A
NTS

POND 6
SHALL BE MAINTAINED BY COA OPEN SPACE EXCEPT FOR INLET/OUTLET STRUCTURES (ITEMS 1, 2, 6, 12,) WHICH WILL BE MAINTAINED BY COA STORM DRAIN MAINTENANCE.

SEE SHEET 111R FOR RECORD DRAWING

RECORD DRAWING DATE 07/14

WCEA # 0840010400
DECEMBER 2011

AS-BUILT INFORMATION

	CONTRACTOR	DATE
	AUE	07/14
WORK STAKED BY	AUE	07/14
WORK ACCEPTANCE BY	WCE	07/14
FIELD VERIFICATION BY	WCE	07/14
DRAWINGS CORRECTED BY	WCE	07/14
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS

ACS BRASS CAP, STAMPED "3-E10" SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND, LOCATED APPROX. 225' E OF THE INTERSECTION OF RIM ROCK DR. NW AND MARIGOLD DR. NW (NAD 1983), X 1499059.808, Y 1512627.946

ELEVATION = 5318.89 FT. (NAVD 1988)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DONALD W. DUNEMAN NEW MEXICO 17816 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY STAFF	DATE JAN. 2012
		DRAWN BY STAFF	DATE JAN. 2012
		CHECKED BY SJM	DATE JAN. 2012

WILSON & COMPANY
4900 LANG AVE NE
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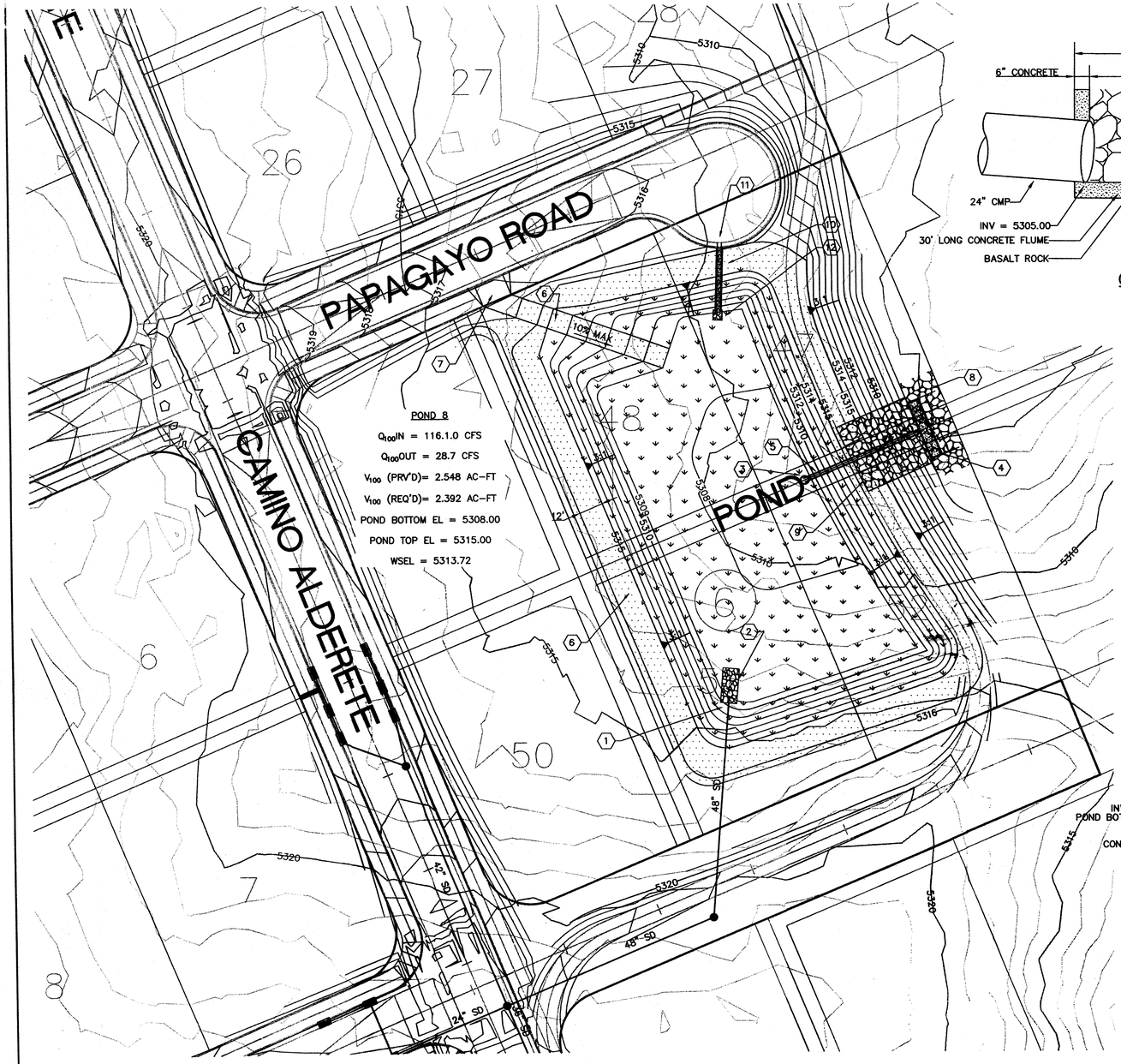
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

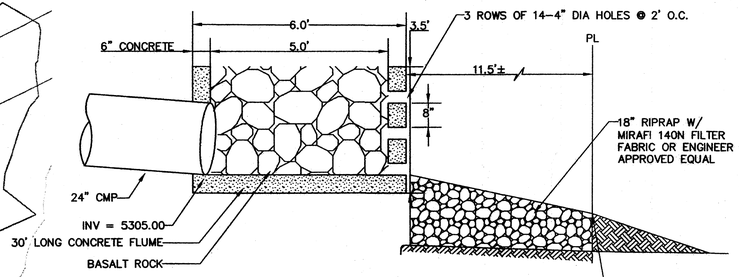
SPECIAL ASSESSMENT DISTRICT 228-VOL. 1
POND 6 GRADING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JAN 24 2012 DESIGN REVIEW COMMITTEE	APPROVED JAN 24 2012 CITY ENGINEER			

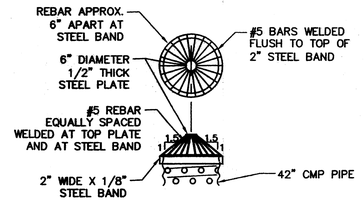
City Project No.	Zone Map No.	Sheet	Of
693391	D-10, D-11	111	156

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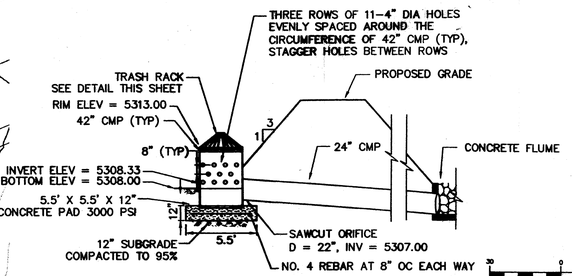


CONCRETE FLUME DETAIL
SCALE: 1"=2'

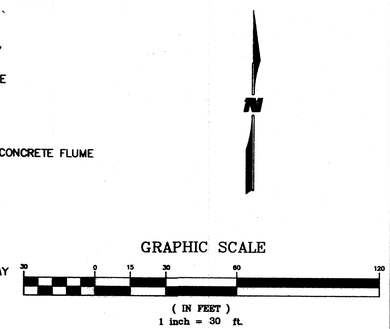


NOTE: ALL EXPOSED METAL SHALL BE "HOT DIP" GALVANIZED

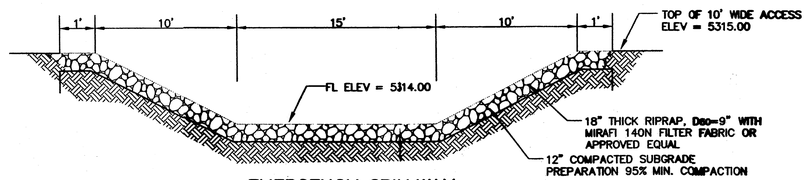
TRASH RACK DETAIL
NTS



CMP RISER DETAIL
NTS



POND 8
SHALL BE MAINTAINED BY COA OPEN SPACE EXCEPT FOR INLET/OUTLET STRUCTURES (ITEMS 1, 2, 3, 4, 5, 8, 9, 10, 12,) WHICH WILL BE MAINTAINED BY COA STORM DRAIN MAINTENANCE.



EMERGENCY SPILLWAY
NTS

SEE SHEET 113R FOR RECORD DRAWING

RECORD DRAWING
DATE 8/2/14

WCEA # 0840010400
DECEMBER 2011

GENERAL SHEET NOTES

1. NO ROCK EXCAVATION ALLOWED PER V.C.S.P.

SHEET KEYNOTES

1. INSTALL 108 LF 48" PIPE @ 0.46%, INV = 5308.50, 1-48" SD POND INLET STRUCTURE, SEE SHEET 124.
2. INSTALL 8'W X 17'L X 18"D, D_{50}=9" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
3. INSTALL 42" RISER, 3 ROW OF 11-4" DIA STAGGERED HOLES. SEE DETAIL THIS SHEET.
4. INSTALL 30' LONG, 5' WIDE CONCRETE FLUME. SEE DETAIL THIS SHEET.
5. INSTALL 62 LF 24" CMP, S = 3.23%. INV DOWN = 5305.00
6. INSTALL 12' WIDE GRAVEL MAINTENANCE ACCESS. 6" AGGREGATE BASE COURSE, 95% MIN COMPACTION PER ASTM D 1557.
7. STA 50+50, 14' RT, INSTALL 15' WIDE DRIVEPAD PER COA STD DWG 2425.
8. INSTALL 11.5'W X 50'L X 18"D, D50=6" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
9. INSTALL 15'L X 10'W EMERGENCY SPILLWAY, SEE DETAIL THIS SHEET.
10. INSTALL 2' WIDE, 31' LONG CONCRETE RUNDOWN, S_{MAX} = 3:1. SEE SHEET 124 FOR DETAIL.
11. STA 51+61.50, 43.7' RT, INSTALL 2' WIDE CURB CUT.
12. INSTALL 5'W X 5'L X 18"D, D50=6" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.

AS-BUILT INFORMATION
CONTRACTOR AUE DATE 6/14
WORK STAKED BY AUE DATE 6/14
ACCEPTANCE BY WLC DATE 6/14
VERIFICATION BY WLC DATE 6/14
CHECKED BY WLC DATE 6/14
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS BRASS CAP, STAMPED "3-E10" ELEVATION = 5318.89 FT. (NAVD 1988)
SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND, LOCATED APPROX. 225' E OF THE INTERSECTION OF RIM ROCK DR. NW AND MARIGOLD DR. NW (NAD 1983), X 1499059.808, Y 1512627.946

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
DONALD W. DANIEMAN NEW MEXICO 17816 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY STAFF DATE JAN. 2012	
		DRAWN BY STAFF DATE JAN. 2012	
		SURVEYED BY S.M. DATE JAN. 2012	

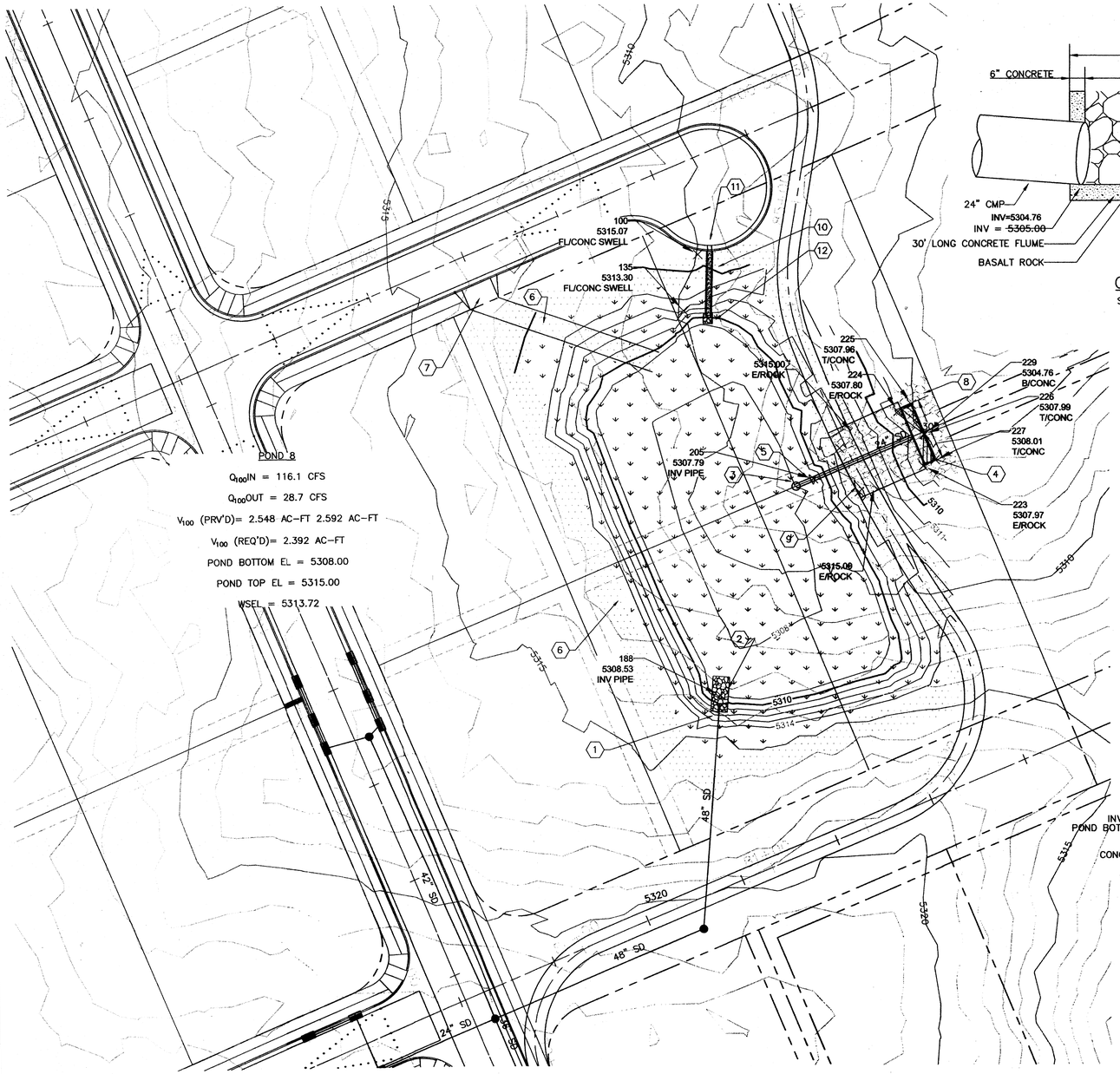
WILSON &COMPANY
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ALBUQUERQUE, NEW MEXICO 87109
PH (505) 348-4000
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www.wilsonco.com

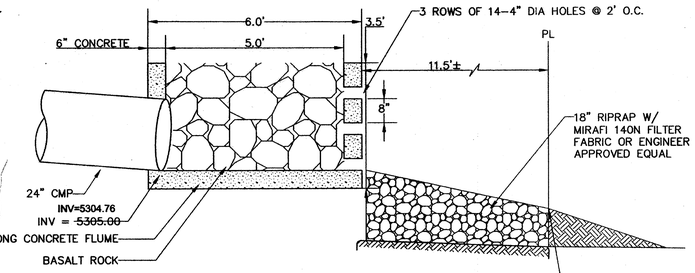
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

SPECIAL ASSESSMENT DISTRICT 228-VOL. 1
POND 8 GRADING PLAN

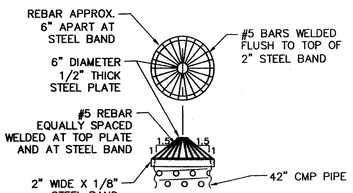
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JAN 24 2012 DESIGN REVIEW COMMITTEE	APPROVED JAN 24 2012 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
693391	D-10, D-11	113	156



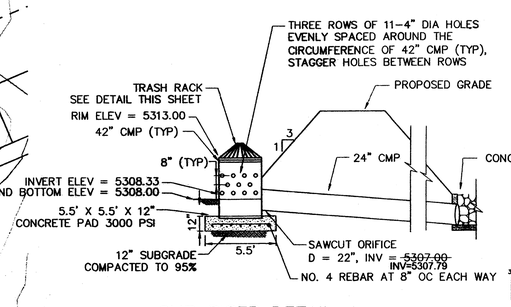


CONCRETE FLUME DETAIL
SCALE: 1"=2'

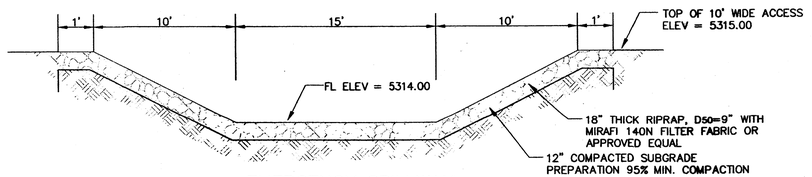


NOTE: ALL EXPOSED METAL SHALL BE "HOT DIP" GALVANIZED

TRASH RACK DETAIL
NTS



CMP RISER DETAIL
NTS



EMERGENCY SPILLWAY
NTS

POND 8
SHALL BE MAINTAINED **BY COA** OPEN SPACE EXCEPT FOR INLET/**OUTLET** STRUCTURES (ITEMS 1, 2, 3, 4, 5, 8, 9, 10, 12,) WHICH WILL BE MAINTAINED BY COA **STORM** DRAIN MAINTENANCE.

GENERAL SHEET NOTES

1. NO ROCK EXCAVATION ALLOWED PER V.C.S.P.

SHEET KEYNOTES

1. INSTALL 108 LF 48" PIPE @ 0.46%, INV = ~~5308.50~~; INV=5308.53
   1-48" SD POND INLET STRUCTURE, SEE SHEET 124.
2. INSTALL 8'W X 17'L X 18"D, D50=9" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
3. INSTALL 42" RISER, 3 ROW OF 11-4" DIA STAGGERED HOLES. SEE DETAIL THIS SHEET.
4. INSTALL 30' LONG, 5' WIDE CONCRETE FLUME. SEE DETAIL THIS SHEET.
5. INSTALL 62 LF 24" CMP, S = 3.23%.
   INV DOWN = ~~5305.00~~
   INV=5304.76
6. INSTALL 12' WIDE GRAVEL MAINTENANCE ACCESS. 6" AGGREGATE BASE COURSE, 95% MIN COMPACTION PER ASTM D 1557.
7. STA 50+50, 14' RT, INSTALL 15' WIDE DRIVEPAD PER COA STD DWG 2425.
8. INSTALL 11.5'W X 50'L X 18"D, D50=6" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
9. INSTALL 15'L X 10'W EMERGENCY SPILLWAY, SEE DETAIL THIS SHEET.
10. INSTALL 2' WIDE, 31' LONG CONCRETE RUNDOWN, Smax = 3:1. SEE SHEET 124 FOR DETAIL.
11. STA 51+61.50, 43.7' RT, INSTALL 2' WIDE CURB CUT.
12. INSTALL 5'W X 5'L X 18"D, D50=6" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.

AS-BUILT INFORMATION
CONTRACTOR: AUI — DATE 07/14
WORK STAKED BY: AUI — DATE 10/14
ACCEPTANCE BY: WCI — DATE 10/14
FIELD VERIFICATION BY: WCI — DATE 10/14
DRAWINGS REVISED BY: WCI — DATE 10/14
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS BRASS CAP, STAMPED "3-E10" SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND, LOCATED APPROX. 225' E OF THE INTERSECTION OF RIM ROCK DR. NW AND MARIGOLD DR. NW (NAD 1983), X 1499059.808, Y 1512627.946
ELEVATION = 5318.89 FT. (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
DONALD M. DUNEMAN NEW MEXICO (7616) LICENSED PROFESSIONAL ENGINEER

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

NO.	DATE	REVISIONS	BY
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY STAFF	DATE JAN. 2012
		DRAWN BY STAFF	DATE JAN. 2012
		CHECKED BY SLM	DATE JAN. 2012

WILSON & COMPANY
4900 LANG AVE NE
ALBUQUERQUE, NEW MEXICO 87109
PH (505) 348-4000
FAX (505) 348-4029
www.wilsonco.com

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

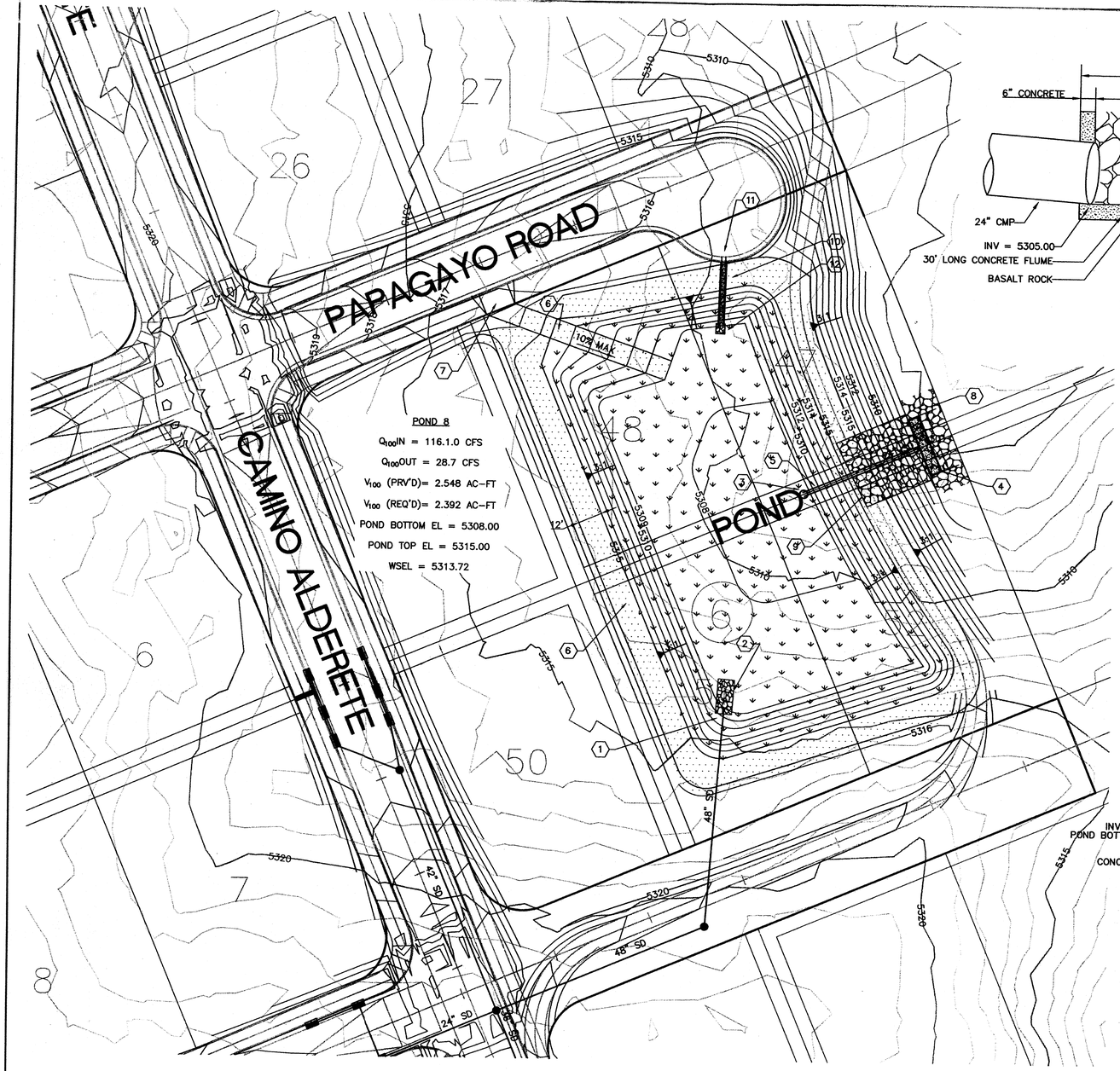
SPECIAL ASSESSMENT DISTRICT 228-VOL. 1
POND 8 GRADING PLAN

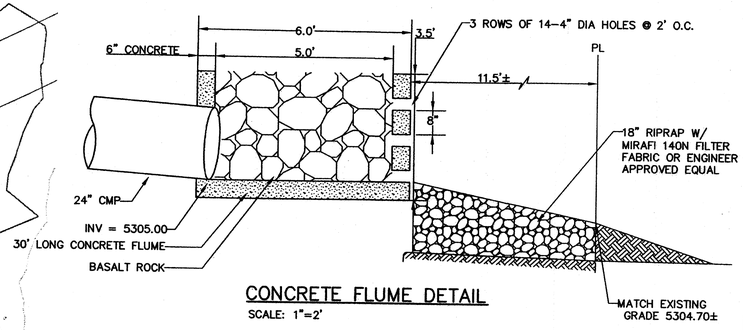
RECORD DRAWING
DATE 11/3/14

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

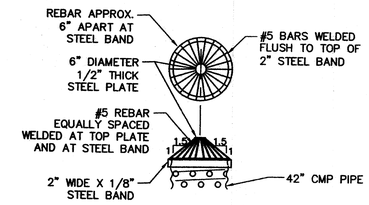
WCEA # 0840010400
DECEMBER 2011

City Project No.	Zone Map No.	Sheet	Of
693391	D-10, D-11	113R	156



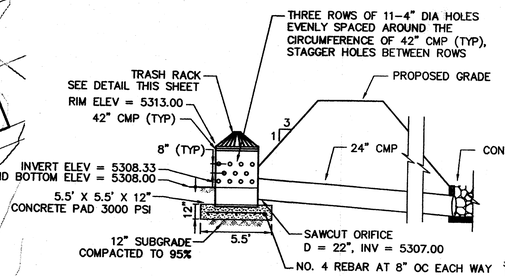


CONCRETE FLUME DETAIL
SCALE: 1"=2'

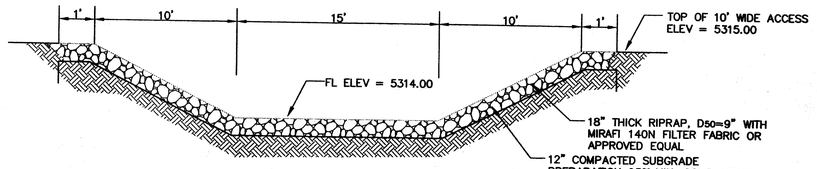


NOTE: ALL EXPOSED METAL SHALL BE "HOT DIP" GALVANIZED

TRASH RACK DETAIL
NTS



CMP RISER DETAIL
NTS



EMERGENCY SPILLWAY
NTS

POND 8
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SHEET KEYNOTES

1. INSTALL 108 LF 48" PIPE @ 0.46%, INV = 5308.50, 1-48" SD POND INLET STRUCTURE, SEE SHEET 124.
2. INSTALL 8'W X 17'L X 18"D, D_{50}=9" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
3. INSTALL 42" RISER, 3 ROW OF 11-4" DIA STAGGERED HOLES. SEE DETAIL THIS SHEET.
4. INSTALL 30' LONG, 5' WIDE CONCRETE FLUME. SEE DETAIL THIS SHEET.
5. INSTALL 62 LF 24" CMP, S = 3.23%. INV DOWN = 5305.00
6. INSTALL 12' WIDE GRAVEL MAINTENANCE ACCESS. 6" AGGREGATE BASE COURSE, 95% MIN COMPACTION PER ASTM D 1557.
7. STA 50+50, 14' RT, INSTALL 15' WIDE DRIVEPAD PER COA STD DWG 2425.
8. INSTALL 11.5'W X 50'L X 18"D, D50=6" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
9. INSTALL 15'L X 10'W EMERGENCY SPILLWAY, SEE DETAIL THIS SHEET.
10. INSTALL 2' WIDE, 31' LONG CONCRETE RUNDOWN, S_{MAX} = 3:1. SEE SHEET 124 FOR DETAIL.
11. STA 51+61.50, 43.7' RT, INSTALL 2' WIDE CURB CUT.
12. INSTALL 5'W X 5'L X 18"D, D50=6" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.

AS-BUILT INFORMATION
CONTRACTOR: AUE
WORK OBSERVED BY: AUE DATE 6/1/14
INSPECTOR'S AUDITORS BY: WLE DATE 6/1/14
FIELD VERIFICATION BY: WLE DATE 6/1/14
CORRECTED BY: WLE DATE 6/1/14
MICRO-FILM INFORMATION
RECORDED BY: DATE

BENCH MARKS
ACS BRASS CAP, STAMPED "3-E10" SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND, LOCATED APPROX. 225' E OF THE INTERSECTION OF RIM ROCK DR. NW AND MARIGOLD DR. NW (NAD 1983), X 1499059.808, Y 1512627.946
ELEVATION = 5318.89 FT. (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
DONALD M. DANEMAN, NEW MEXICO, 17816, REGISTERED PROFESSIONAL ENGINEER

GRAPHIC SCALE
(IN FEET)
1 inch = 30 ft.

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY STAFF DATE JAN. 2012
DRAWN BY STAFF DATE JAN. 2012
CHECKED BY DATE

WILSON & COMPANY
4900 LANG AVE NE
ALBUQUERQUE, NEW MEXICO 87109
PH (505) 348-4000
FAX (505) 348-4072
www.wilsonco.com

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

SPECIAL ASSESSMENT DISTRICT 228-VOL. 1
POND 8 GRADING PLAN

SEE SHEET 113R FOR RECORD DRAWING

RECORD DRAWING DATE 6/1/14

WCEA # 0840010400
DECEMBER 2011

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JAN 24 2012 DESIGN REVIEW COMMITTEE	APPROVED JAN 24 2012 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
693391	D-10, D-11	113	156

GENERAL SHEET NOTES

1. NO ROCK EXCAVATION ALLOWED PER V.C.S.P.

SHEET KEYNOTES

1. STA 15+70, 40.6' RT, INSTALL 27 LF 24" RCP PIPE, S = 1.0%, INV @ POND = 5316.45
2. INSTALL 6' WIDE BERM, ELEV = 5320.00.
3. INSTALL 26 LF 18" RCP PIPE WITH 18" RCP END SECTION, S = 1.15%. INV @ POND = 5316.30
4. STA 15+71, 113' RT, INV = 5316.00.
5. STA 17+84, 15' RT INSTALL 1-DOUBLE (24" WIDE) SIDEWALK CULVERT PER COA STD DWG 2236. INV UP = 5315.39, INV DOWN = 5314.17
6. INSTALL 4'W X 5'L X 18"D, D50=6" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
7. INSTALL 4.5'W X 7'L X 12", D50=6" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
8. STA 15+73, 87' RT, INSTALL 30" RISER, 2 ROW OF 8-4" DIA STAGGERED HOLES. SEE DETAIL THIS SHEET.
9. STA 18+08, INSTALL 10' WIDE SPECIAL VALLEY GUTTER PER COA STD DWG 2422. FL ELEV = 5315.03 RT, FL ELEV = 5315.31 LT
10. INSTALL 15'L X 6'W EMERGENCY SPILLWAY, SEE DETAIL THIS SHEET.
11. INSTALL 12" THICK BASALT RIPRAP, D50=6", W/ MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.

VISTA DEL PRADO COURT

RETAINING WALL SEE SHEET 77

POND 9

Q_{100}IN = 13.0 CFS

Q_{100}OUT = 6.6 CFS

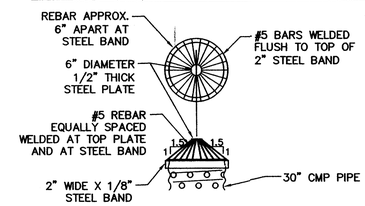
V_{100}-24 PRV'D = 0.251 AC-FT

V_{100}-24 REQ'D = 0.197 AC-FT

POND BOTTOM EL = 5316.30

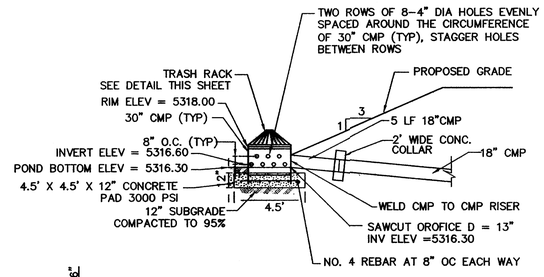
POND TOP EL = 5320.00

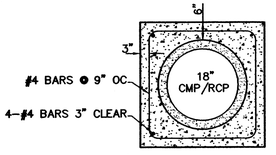
WSEL = 5319.00



NOTE: ALL EXPOSED METAL SHALL BE "HOT DIP" GALVANIZED

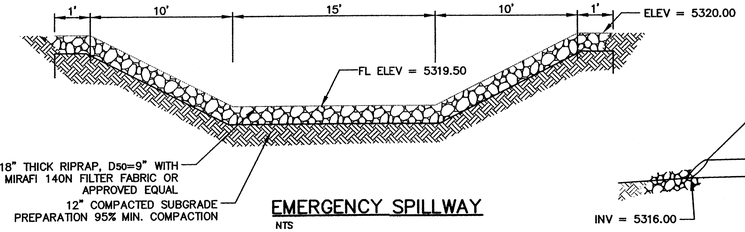
TRASH RACK DETAIL
NTS



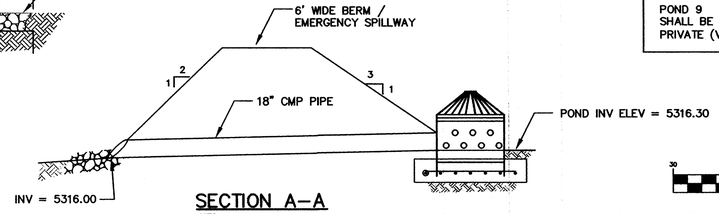


CMP RISER DETAIL
NTS

CONCRETE COLLAR DETAIL
NTS



EMERGENCY SPILLWAY
NTS



SECTION A-A
NTS

POND 9 SHALL BE MAINTAINED BY PRIVATE (VCPOA)

SEE SHEET 114A FOR RECORD DRAWING

~~RECORD DRAWING~~
~~DATE 6/7/12~~

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

N

WCEA # 0840010400
DECEMBER 2011

Chris Perea

AS-BUILT INFORMATION

BENCH MARKS

AGS BRASS CAP, STAMPED "3-E10" SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND, LOCATED APPROX. 225' E OF THE INTERSECTION OF RIM ROCK DR. NW AND MARIGOLD DR. NW (NAD 1983), X 1499059.808, Y 1512627.946

ELEVATION = 5318.89 FT. (NAVD 1988)

	CONTRACTOR	STAKED BY	INSPECTIONS BY	FIELD CORRECTION BY:	DRAWINGS CORRECTED BY:	RECORDED BY
DATE	AVE 07/14	AVE 07/14	WLT 07/14	WLT 07/14	WLT 07/14	07/14
NO.						

SURVEY INFORMATION

FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL

DONALD W. DENHAM NEW MEXICO (7916) REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	STAFF
DRAWN BY	STAFF
CHECKED BY	SJM
DATE	JAN. 2012
DATE	JAN. 2012
DATE	JAN. 2012

WILSON & COMPANY
4900 LANG AVE NE
ALBUQUERQUE, NEW MEXICO 87109
PH (505) 348-4000
FAX (505) 348-4072
www.wilsonco.com

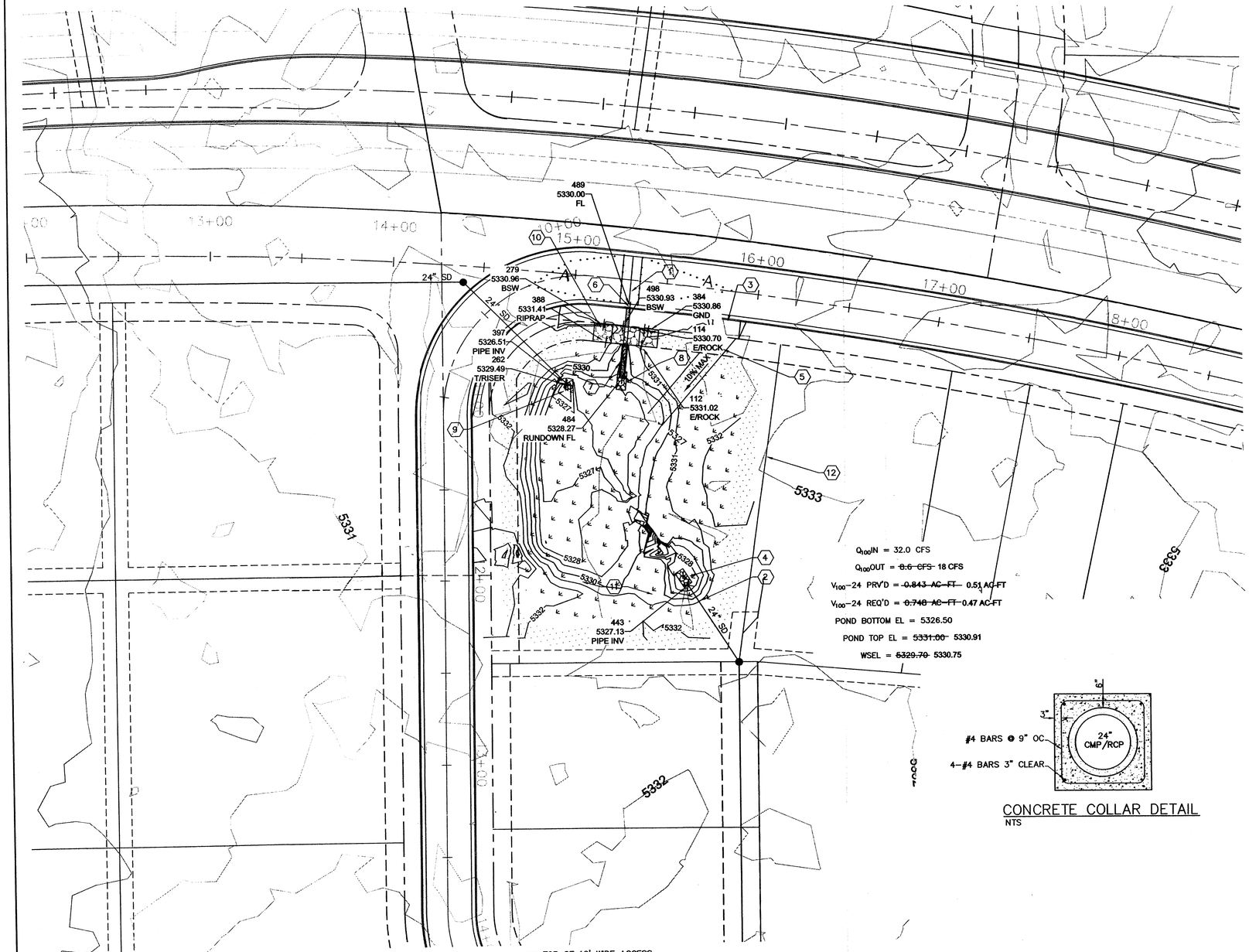
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

SPECIAL ASSESSMENT DISTRICT 228-VOL. 1
POND 9 GRADING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JAN 24 2012 DESIGN REVIEW COMMITTEE	APPROVED JAN 24 2012 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
693391	D-10, D-11	114	156

W:\2012\08_400_104_00\CADD\SHEETS\UNITS_18_19_22\0114_POND_9_GRADING.dwg 1/12/2012 9:47:21 AM MST



Q_{100}IN = 32.0 CFS

Q_{100}OUT = ~~8.6 CFS~~ 18 CFS

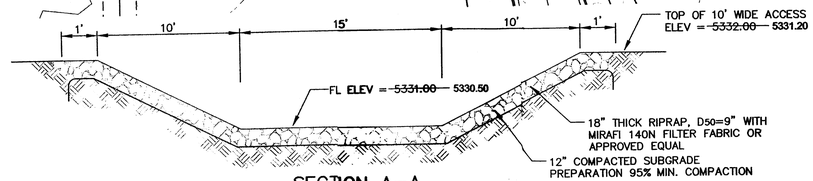
V_{100}–24 PRV'D = ~~0.843 AC-FT~~ 0.51 AC-FT

V_{100}–24 REQ'D = ~~0.748 AC-FT~~ 0.47 AC-FT

POND BOTTOM EL = 5326.50

POND TOP EL = ~~5331.00~~ 5330.91

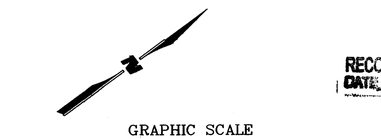
WSEL = ~~5329.70~~ 5330.75



SECTION A–A
EMERGENCY SPILLWAY
NTS

POND 4
SHALL BE MAINTAINED BY
PRIVATE (VCPOA)

CONCRETE COLLAR DETAIL
NTS



GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

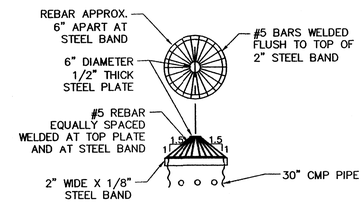
RECORD DRAWING
DATE: 10/7/14

GENERAL SHEET NOTES

1. NO ROCK EXCAVATION ALLOWED PER V.C.S.P.

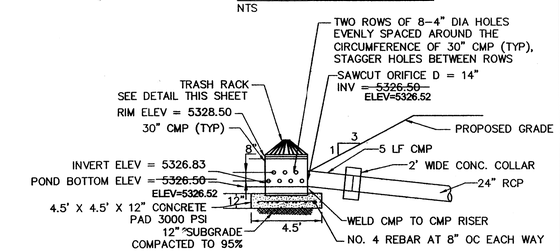
SHEET KEYNOTES

1. STA 15+30.3, INSTALL 10' WIDE SPECIAL CONCRETE VALLEY GUTTER PER COA STD DWG 2422.
2. INSTALL 50 LF 24" PIPE @ 0.94%, INV = ~~5327.00~~, 1–24" POND INLET STRUCTURE. INV=5327.13
3. STA 15+84, 15' RT INSTALL 15' WIDE DRIVEPAD PER COA STD DWG 2425
4. INSTALL 5'W X 9'L X 18" D, D50=9" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
5. INSTALL 10' WIDE GRAVEL MAINTENANCE ACCESS. 6" AGGREGATE BASE COURSE, 95% MIN COMPACTION, S_{MAX}=10%.
6. STA 15+30.3, 15' RT, INSTALL 1–24" WIDE DOUBLE SIDEWALK CULVERT PER COA STD DWG 2236. FL = ~~5330.01~~ FL=5330.00
7. INSTALL 18 LF 2' WIDE, 6" DEEP CONCRETE RUNDOWN, S_{MAX}=3:1.
8. INSTALL 5'W X 10'L X 18" D TYPE 'L' RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
9. INSTALL 30" RISER, 2 ROWS OF 8–4" DIA HOLES, W/14" ORIFICE PLATE. SEE DETAIL THIS SHEET.
10. INSTALL 10'W X 15'L EMERGENCY SPILLWAY. SEE DETAIL THIS SHEET.
11. INSTALL NATIVE SEED AND MULCH OVER 1' TOP SOIL, PI>10.
12. APPROXIMATELY 350 LF OF 5' CMU WALL TO BE INSTALLED AROUND POND AS APPROVED BY ENGINEER. PAID FOR PER LF CMU WALL BID ITEM.



NOTE: ALL EXPOSED METAL SHALL BE "HOT DIP" GALVANIZED

TRASH RACK DETAIL
NTS



CMP RISER DETAIL
NTS

WCEA # 0840010400
DECEMBER 2011

AS-BUILT INFORMATION
CONTRACTOR AUI DATE 07/14
STAKED BY AUI DATE 10/14
INSPECTOR'S CERTIFICATION BY WCI DATE 10/14
FIELD VERIFICATION BY WCI DATE 10/14
DRAWINGS CORRECTED BY WCI DATE 10/14
RECORDED BY DATE

BENCH MARKS
ACS BRASS CAP, STAMPED "3-E10" SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND, LOCATED APPROX. 225' E OF THE INTERSECTION OF RIM ROCK DR. NW AND MARIGOLD DR. NW (NAD 1983), X 1499059.808, Y 1512627.946
ELEVATION = 5318.89 FT. (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
DONALD M. DUNGMAN
NEW MEXICO 17616
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY STAFF DATE JAN. 2012
DRAWN BY STAFF DATE JAN. 2012
CHECKED BY SJM DATE JAN. 2012

WILSON &COMPANY
4900 LANG AVE NE
ALBUQUERQUE, NEW MEXICO 87109
PH (505) 348-4000
FAX (505) 348-4797
www.wilsonco.com

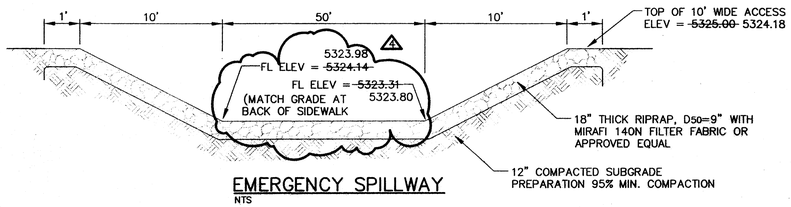
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

SPECIAL ASSESSMENT DISTRICT 228–VOL. 1
POND 4 GRADING PLAN

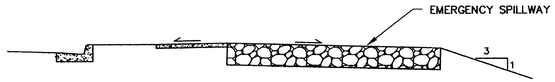
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
693391	D–10, D–11	109A	156

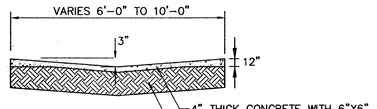
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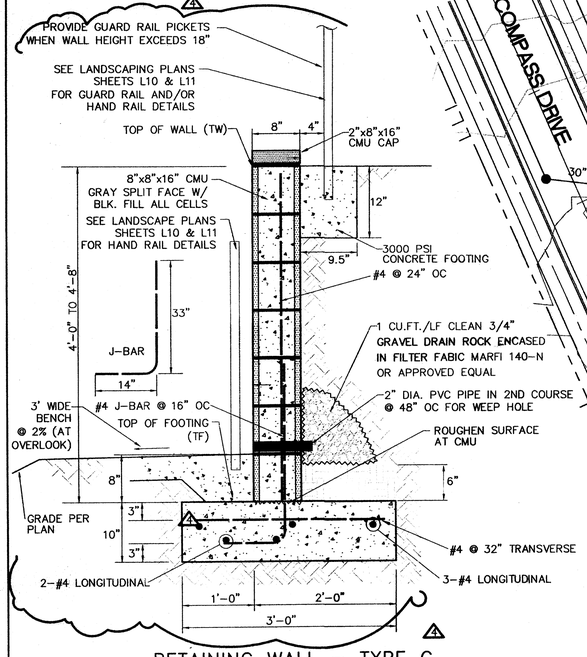
EMERGENCY SPILLWAY
NTS



SECTION B–B
NTS

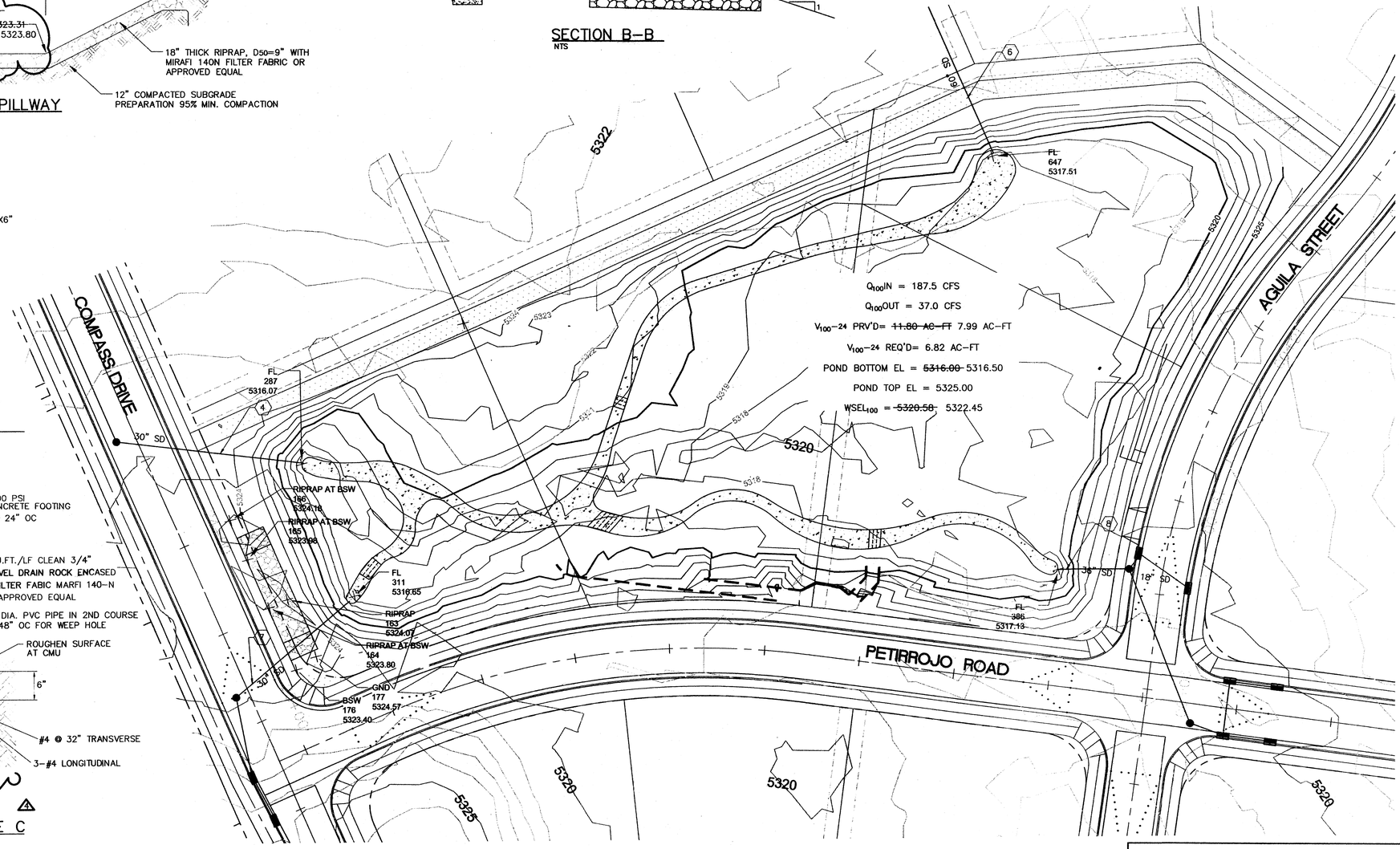


SECTION A–A
LOW FLOW CHANNEL
NTS



RETAINING WALL – TYPE C
2'–0" TO 4'–8"

NOTE:
FINISHED GRADE SHALL BE LEVEL WITH OR BELOW TOP OF RETAINING PORTION OF WALL, AND NO ADDITIONAL SURFACE LOADS SHALL BE PLACED WITHIN AN AREA FROM FACE OF WALL TO A DISTANCE EQUAL TO THE RETAINED EARTH HEIGHT.



SHEET KEYNOTES

1. INSTALL 10' WIDE GRAVEL MAINTENANCE ACCESS, S_{max}=10%, 6" AGGREGATE BASE COURSE, 95% MIN COMPACTION. SEE SHEET 124 FOR DETAIL.
2. NOT USED.
3. FLATTEN CHANNEL BOTTOM FROM 3" TO 0".
4. INSTALL 30" POND OUTLET STRUCTURE, ~~INV =5315.75.~~ INV=5316.07 SEE SHEET 124 FOR DETAIL.
5. STA 19+17, 15' RT, INSTALL 15' WIDE DRIVEPAD PER COA STD DWG 2425.
6. INSTALL 48 LF 60" SD PIPE @ 0.35%, ~~INV = 5317.24,~~ INV=5317.51 1– 60" POND INLET STRUCTURE. SEE SHEET 124 FOR DETAIL.
7. INSTALL 81.5 LF 24" PIPE @ 0.12%, ~~INV = 5316.20,~~ INV=5316.65 1–24" POND INLET STRUCTURE.
8. INSTALL 34 LF 36" PIPE @ 0.50%, ~~INV = 5317.00,~~ INV=5317.13 1–36" INLET STRUCTURE. SEE SHEET 124 FOR DETAIL.
9. INSTALL LOW FLOW CHANNEL. SEE DETAIL THIS SHEET.
10. NOT USED.
11. INSTALL 10'W X 50'L EMERGENCY SPILLWAY. SEE DETAIL THIS SHEET.
12. INSTALL 10' WIDE MAINTENANCE ACCESS. SEE SHEET 124 FOR DETAIL.
13. INSTALL 3–24" SIDEWALK CULVERT PER COA STD DWG 2236. SKEW ANGLE = 0° AND 13°
14. INSTALL RETAINING WALL PER DETAIL THIS SHEET. COST WILL BE INCIDENTAL PER LANDSCAPE LUMP SUM BID ITEM.
15. INSTALL 5–24" SIDEWALK CULVERT PER COA STD DWG 2236. SKEW ANGLE = 26°

GENERAL SHEET NOTES

1. NO ROCK EXCAVATION ALLOWED PER V.C.S.P.
2. SEE LANDSCAPE PLANS FOR PROPOSED SURFACE TREATMENTS
3. SEE LANDSCAPE PLANS FOR PROPOSED POND FEATURES.

POND 5
CITY PARK MAINTAINED BY PARKS & REC EXCEPT FOR INLET/OUTLET STRUCTURES AND LOW FLOW CHANNEL (ITEMS 4, 6, 7, 8, AND 9) WHICH WILL BE MAINTAINED BY COA STORM DRAIN MAINTENANCE.

N

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

RECORD DRAWING
DATE 11/3/14

WCEA # 0840010400
DECEMBER 2011

AS–BUILT INFORMATION
CONTRACTOR AUI
WORK STAKED BY WCI DATE 07/14
WORK INSPECTED BY AUI DATE 10/14
ACCEPTANCE BY WCI DATE 10/14
FIELD LOCATION BY WCI DATE 10/14
DRAWING CORRECTED BY WCI DATE 10/14
MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS BRASS CAP, STAMPED "3–E10"
SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND, LOCATED APPROX. 225' E OF THE INTERSECTION OF RIM ROCK DR. NW AND MARIGOLD DR. NW
(NAD 1983), X 1499059.808, Y 1512627.946
ELEVATION = 5318.89 FT. (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
DONALD M. DUNEMAN NEW MEXICO 17616 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS
1	06–12–13	MISC GRADING CLARIFICATIONS KIS
2	07–12–12	EXHIBIT A REVISION DMD

REVISIONS
WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY STAFF DATE JAN. 2012
DRAWN BY STAFF DATE JAN. 2012
CHECKED BY SJM DATE JAN. 2012

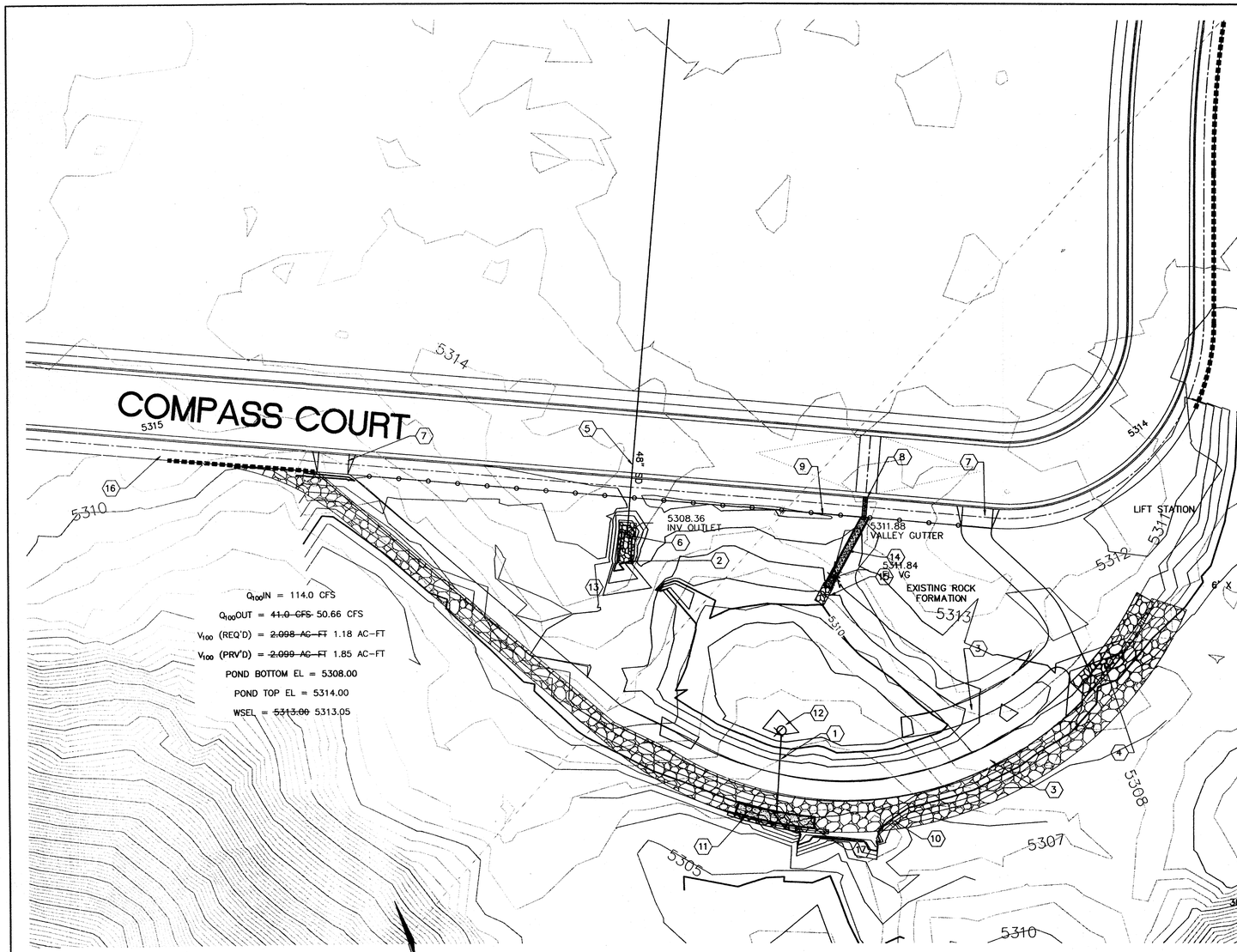
WILSON &COMPANY
ALBUQUERQUE, NEW MEXICO

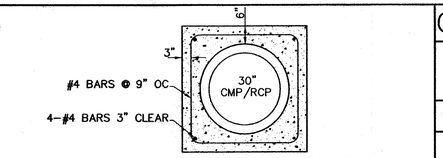
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

SPECIAL ASSESSMENT DISTRICT 228–VOL. 1
POND 5 GRADING & DRAINAGE PLAN

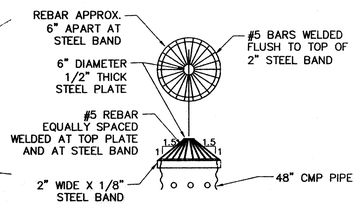
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 693391 | Zone Map No. D–10 D–11 | Sheet 110R Of 156



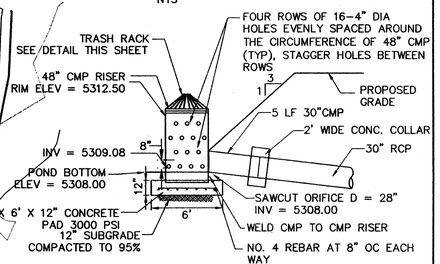


CONCRETE COLLAR DETAIL
NTS



NOTE: ALL EXPOSED METAL SHALL BE "HOT DIP" GALVANIZED

TRASH RACK DETAIL
NTS



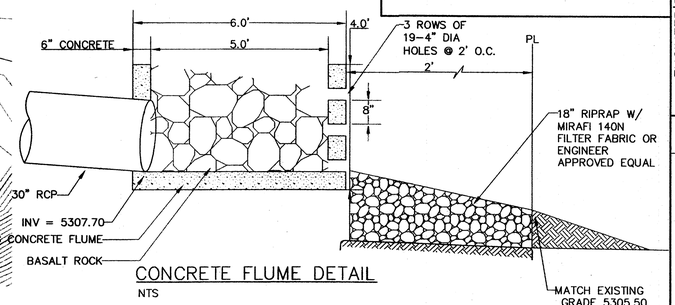
CMP RISER DETAIL
NTS

GENERAL SHEET NOTES

1. NO ROCK EXCAVATION ALLOWED PER V.C.S.P.
2. SEE LANDSCAPING PLAN FOR PLANTING AND IRRIGATION DETAILS.

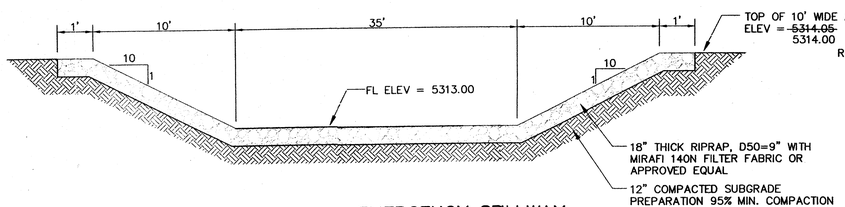
SHEET KEYNOTES

1. INSTALL 42 LF 30" RCP SD, S = 0.70%, INV UP = 5308.00, INV DOWN = 5307.70
2. INSTALL 8'W X 17'L X 12"D, D50=6" RIPRAP BLANKET W/ MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
3. INSTALL 10' WIDE, GRAVEL MAINTENANCE ACCESS. 6" AGGREGATE BASE COURSE, 95% MIN COMPACTION.
4. INSTALL EMERGENCY SPILLWAY. SEE DETAIL THIS SHEET.
5. INSTALL 342 LF 48" SD PIPE @ 0.22%, INV = 5308.20.
6. INSTALL 1-48" SD POND INLET STRUCTURE.
7. STA 12+78, 15' RT & STA 16+15, 15' RT, INSTALL 15' WIDE DRIVE PAD PER COA STD DWG 2425.
8. STA 15+40, 15' RT, INSTALL 2-24" WIDE SIDEWALK CULVERT PER COA STD DWG 2236.
9. INSTALL OPEN SPACE FENCE.
10. INSTALL 12" THICK BASALT RIPRAP, D50=6", W/ MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
11. INSTALL 2'W X 50'L X 18" D, D50=6" RIPRAP BLANKET W/ MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
12. INSTALL 48" RISER W/ 28" ORIFICE PLATE, 4 ROWS OF 15-4" DIA STAGGERED HOLES. SEE DETAIL THIS SHEET.
13. NATIVE GRASS SEED AND MULCH OVER 1' TOP SOIL PI>10
14. INSTALL 5' WIDE, 6" DEEP CONCRETE RUNDOWN, Smax = 3:1. SEE DETAIL SHEET 124.
15. INSTALL 5'W X8'L X 18" D, D50=6" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
16. 10' WIDE PEDESTRIAN TRAIL.
17. INSTALL 38' LONG, 5' WIDE CONCRETE FLUME. SEE DETAIL THIS SHEET.

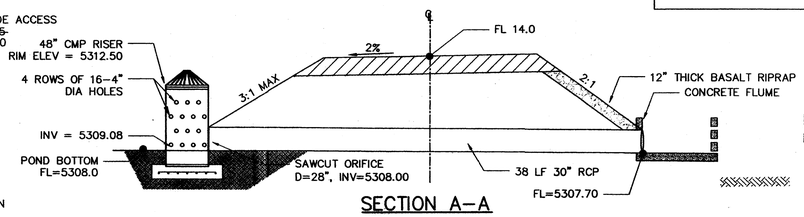


CONCRETE FLUME DETAIL
NTS

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.



EMERGENCY SPILLWAY
NTS



SECTION A-A
NTS

POND 6
SHALL BE MAINTAINED BY COA OPEN SPACE EXCEPT FOR INLET/OUTLET STRUCTURES (ITEMS 1, 2, 6, 12,) WHICH WILL BE MAINTAINED BY COA STORM DRAIN MAINTENANCE.

RECORD DRAWING
DATE 11/3/14

WCEA # 0840010400
DECEMBER 2011

AS-BUILT INFORMATION
CONTRACTOR AUI
WORK STAKED BY AUI DATE 07/14
RECORDS OF ACCEPTANCE BY WCI DATE 10/14
VERIFICATION BY WCI DATE 10/14
DRAWINGS COMPILED BY WCI DATE 10/14
MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
ACS BRASS CAP, STAMPED "3-E10"
SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND. LOCATED APPROX. 225' E OF THE INTERSECTION OF RIM ROCK DR. NW AND MARIGOLD DR. NW
(NAD 1983), X 1499059.808, Y 1512627.946
ELEVATION = 5318.89 FT (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
DONALD M. DUNEMAN
NEW MEXICO 17616
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS	BY
		REMARKS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY STAFF DATE JAN. 2012
DRAWN BY STAFF DATE JAN. 2012
CHECKED BY DATE

WILSON & COMPANY
4900 LANG AVE NE
ALBUQUERQUE, NEW MEXICO 87109
PH (505) 348-4000
FAX (505) 345-4070
www.wilsonco.com

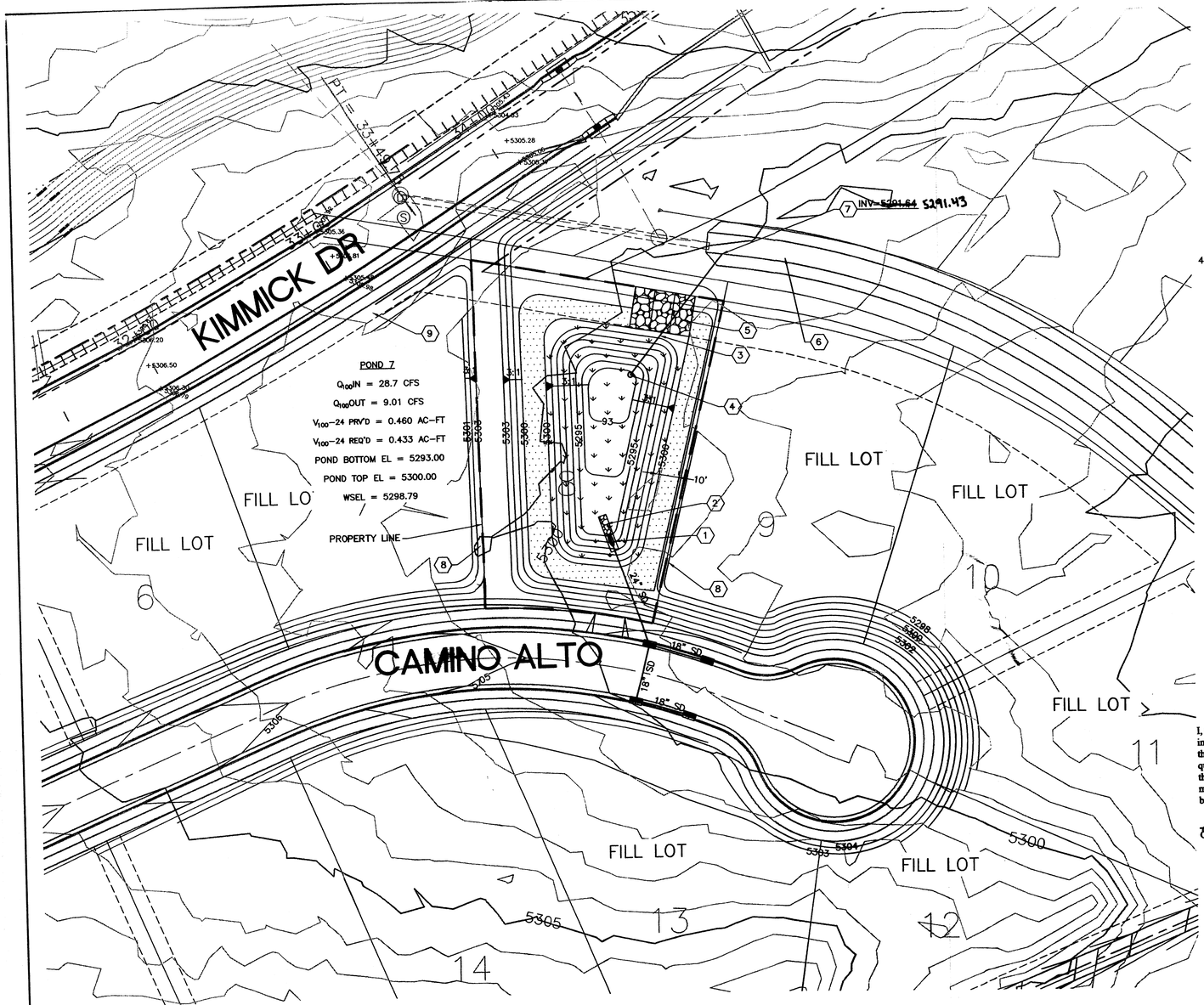
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

SPECIAL ASSESSMENT DISTRICT 228-VOL.
POND 6 GRADING PLAN

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

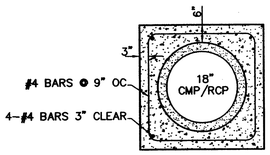
City Project No. 693391 | Zone Map No. D-10, D-11 | Sheet 111R Of 156

M:\RX\08-400-104-01\CAD\SHEETS\UNITS 18-19-22\0111 POND 6 GRADING.DWG 1/12/2012 2:40:05 PM MST

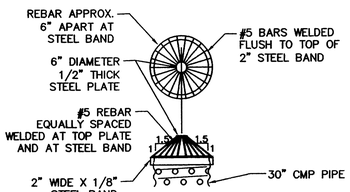


GENERAL SHEET NOTES

1. NO ROCK EXCAVATION ALLOWED PER V.C.S.P.
2. APPROXIMATE 500 CY OF COMPACTED SOIL TO BE PLACED ON EACH FILL LOT.

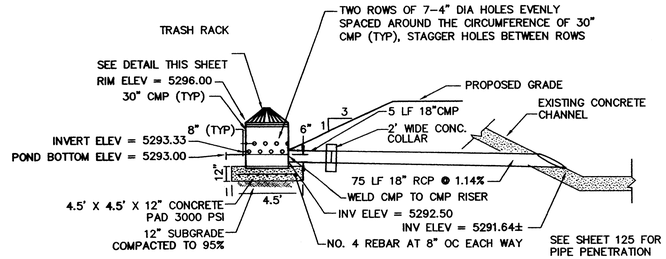


CONCRETE COLLAR DETAIL
NTS



NOTE: ALL EXPOSED METAL SHALL BE "HOT DIP" GALVANIZED

TRASH RACK DETAIL
NTS



CMP RISER DETAIL
NTS

CERTIFICATE OF SUBSTANTIAL COMPLIANCE OF PLANS

I, Christopher Perea of the firm Wilson & Company, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications. The original design intent of the approved plans has been met, except as noted by me on the as-built construction drawing. This certification is based on site inspection by me or personnel under my direction.

Christopher Perea, P.E. NM 13686

6.17.14
Date

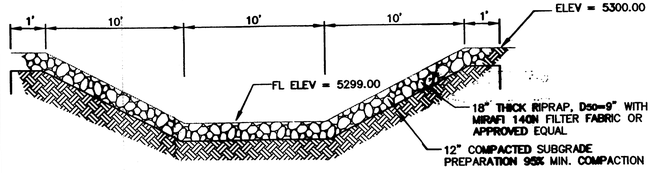




SHEET KEYNOTES

1. INSTALL 61 LF 24" @ 2.38%, INV = 5295.00, 24" POND INLET STRUCTURE.
2. INSTALL 4'W X 10'L X 18"D, D50=6" RIPRAP BLANKET W/MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
3. INSTALL 75 LF 18" RCP, S=1.14%. CORE DRILL INTO EXISTING CONCRETE CHANNEL TO ALLOW 18" RCP DRAIN INTO CHANNEL.
4. INSTALL 30" RISER, 2 ROWS OF 7-4" DIA STAGGERED HOLES. SEE RISER DETAIL THIS SHEET. N = 1519283.7, E =1503567.6
5. INSTALL 10'L X 10'W EMERGENCY SPILLWAY, SEE DETAIL THIS SHEET.
6. EXISTING CONCRETE CHANNEL
7. CONSTRUCT PIPE PENETRATION PER DETAIL ON SHEET 125. N = 1519342.6, E = 1503614.4
8. CONSTRUCT 6' CMU GARDEN WALL. SEE DETAIL SHEET 8.
9. MATCH EXISTING GRADE.

POND 7 SHALL BE MAINTAINED BY PRIVATE (VCPOA)



EMERGENCY SPILLWAY
NTS

RECORD DRAWING
DATE 6/16/2014

WCEA # 0840010400
DECEMBER 2011

BENCH MARKS
ACS BRASS CAP STAMPED "3-E10" SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND, LOCATED APPROX. 225' E OF THE INTERSECTION OF RIM ROCK DR. NW AND MARIGOLD DR. NW (NAD 1983), X 1499059.808, Y 1512627.946
ELEVATION = 5318.89 FT. (NAVD 1988)

AS-BUILT INFORMATION
CONTRACTOR AUI DATE 6/16/14
WORK STAKED BY: AUI DATE 6/16/14
ACCEPTANCE BY: WCE DATE 6/16/14
VERIFICATION BY: WCE DATE 6/16/14
SUBMITTED BY: WCE DATE 6/16/14
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL



NO.	DATE	REMARKS	BY
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY STAFF	DATE JAN. 2012
		DRAWN BY STAFF	DATE JAN. 2012
		CHECKED BY SJM	DATE JAN. 2012

WILSON & COMPANY
4900 LANG AVE NE
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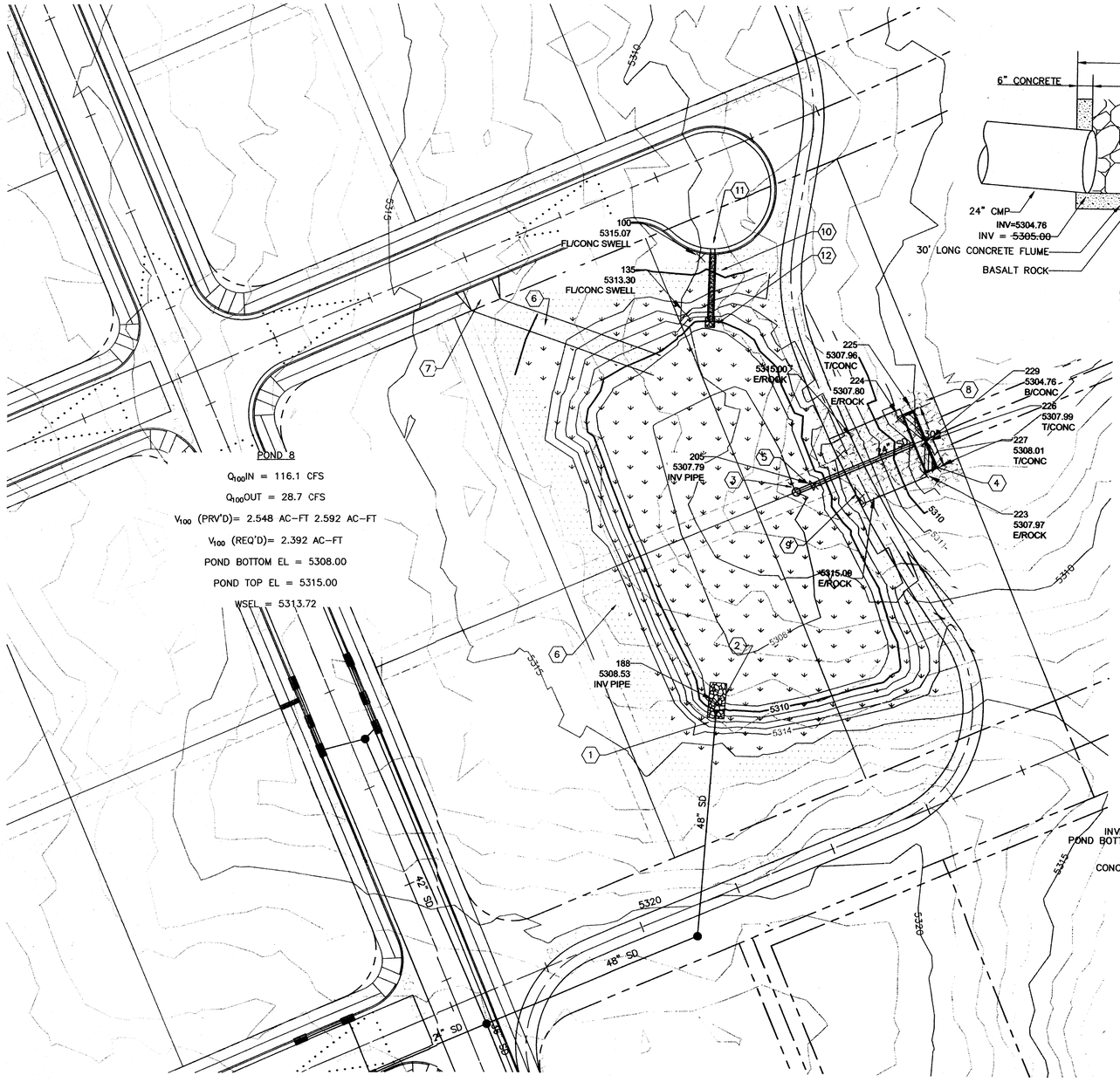
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

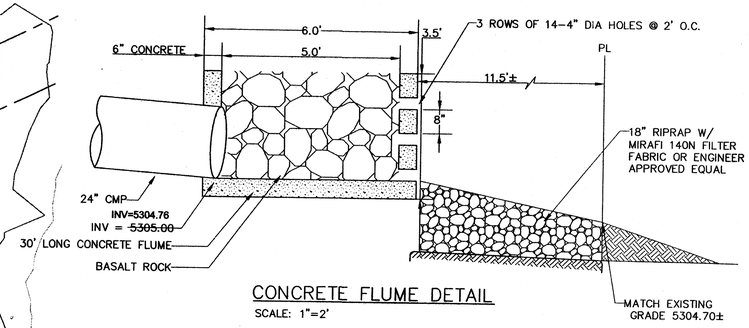
SPECIAL ASSESSMENT DISTRICT 228-VOL. 1
POND 7 GRADING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JAN 24 2012 DESIGN REVIEW COMMITTEE	APPROVED JAN 24 2012 CITY ENGINEER			

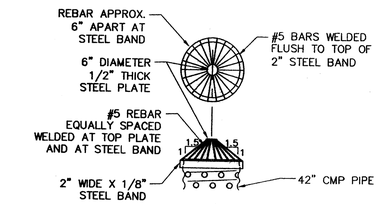
City Project No.	Zone Map No.	Sheet	Of
693391	D-10, D-11	112	156

M:\RR\08-400-104-00\CADD\SHEETS\UNITS 18-19-22\0112 POND 7 GRADING.dwg 1/12/2012 9:49:00 AM MST



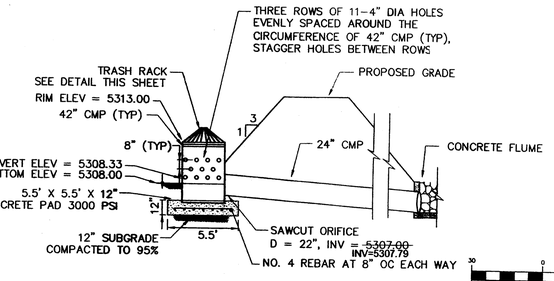


CONCRETE FLUME DETAIL
SCALE: 1"=2'

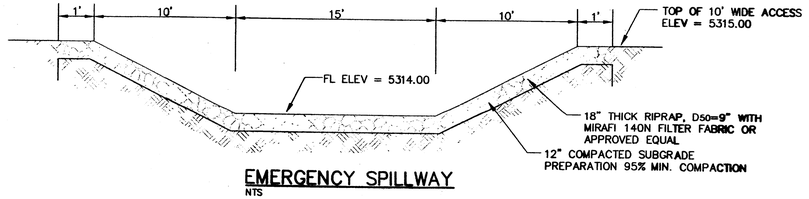


NOTE: ALL EXPOSED METAL SHALL BE "HOT DIP" GALVANIZED

TRASH RACK DETAIL
NTS



CMP RISER DETAIL
NTS



EMERGENCY SPILLWAY
NTS

POND 8
SHALL BE MAINTAINED BY COA OPEN SPACE EXCEPT FOR INLET/OUTLET STRUCTURES (ITEMS 1, 2, 3, 4, 5, 8, 9, 10, 12,) WHICH WILL BE MAINTAINED BY COA STORM DRAIN MAINTENANCE.

GENERAL SHEET NOTES

1. NO ROCK EXCAVATION ALLOWED PER V.C.S.P.

SHEET KEYNOTES

1. INSTALL 108 LF 48" PIPE @ 0.46%, INV = ~~5308.50~~; INV=5308.53 1-48" SD POND INLET STRUCTURE, SEE SHEET 124.
2. INSTALL 8'W X 17'L X 18"D, D_{50}=9" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
3. INSTALL 42" RISER, 3 ROW OF 11-4" DIA STAGGERED HOLES. SEE DETAIL THIS SHEET.
4. INSTALL 30' LONG, 5' WIDE CONCRETE FLUME. SEE DETAIL THIS SHEET.
5. INSTALL 62 LF 24" CMP, S = 3.23%. INV DOWN = ~~5305.00~~ INV=5304.76
6. INSTALL 12' WIDE GRAVEL MAINTENANCE ACCESS. 6" AGGREGATE BASE COURSE, 95% MIN COMPACTION PER ASTM D 1557.
7. STA 50+50, 14' RT, INSTALL 15' WIDE DRIVEPAD PER COA STD DWG 2425.
8. INSTALL 11.5'W X 50'L X 18"D, D_{50}=6" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
9. INSTALL 15'L X 10'W EMERGENCY SPILLWAY, SEE DETAIL THIS SHEET.
10. INSTALL 2' WIDE, 31' LONG CONCRETE RUNDOWN, S_{MAX} = 3:1. SEE SHEET 124 FOR DETAIL.
11. STA 51+61.50, 43.7' RT, INSTALL 2' WIDE CURB CUT.
12. INSTALL 5'W X 5'L X 18"D, D_{50}=6" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.

AS-BUILT INFORMATION
CONTRACTOR AUI DATE 07/14
ENGINEER AUI DATE 10/14
INSPECTORS FIELD CHANGES BY WCI DATE 10/14
FIELD VERIFICATION BY WCI DATE 10/14
DRAWINGS CORRECTED BY WCI DATE 10/14

BENCH MARKS
ACS BRASS CAP, STAMPED "3-E10" SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND. LOCATED APPROX. 225' E OF THE INTERSECTION OF RIM ROCK DR. NW AND MARIGOLD DR. NW (NAD 1983), X 1499059.808, Y 1512627.946

MICRO-FILM INFORMATION
RECORDED BY DATE
NO
ELEVATION = 5318.89 FT. (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
DONALD M. DUNLAVY NEW MEXICO 17616 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY STAFF DATE JAN. 2012	
		DRAWN BY STAFF DATE JAN. 2012	
		CHECKED BY	

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

WILSON & COMPANY
4900 LANG AVE. NE
SUITE 400
ALBUQUERQUE, NM 87109
PH (505) 348-4000
FAX (505) 348-4055
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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

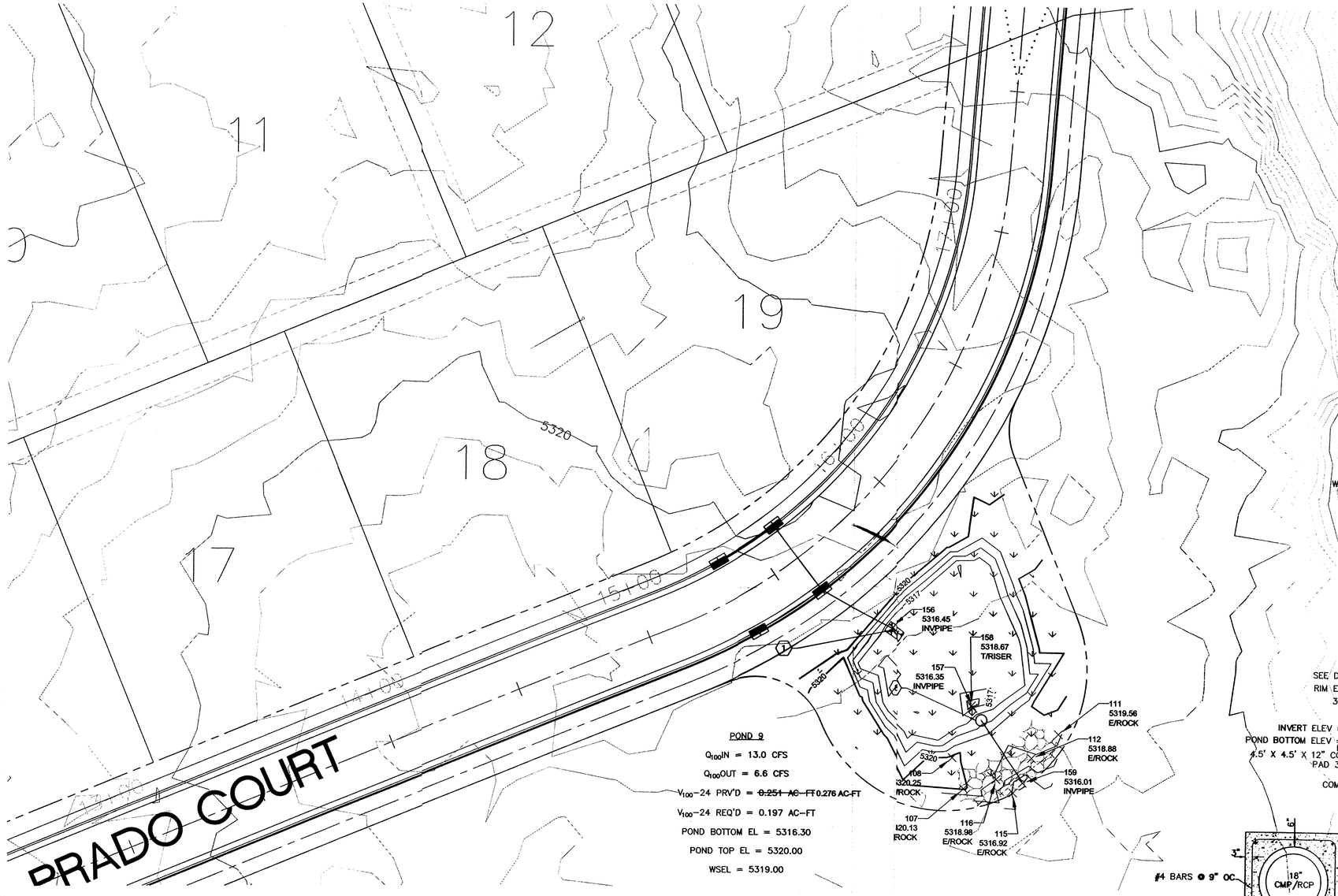
SPECIAL ASSESSMENT DISTRICT 228-VOL. 1
POND 8 GRADING PLAN

RECORD DRAWING
DATE 11/3/14

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

WCEA # 0840010400
DECEMBER 2011

City Project No. 693391 | Zone Map No. D-10, D-11 | Sheet 113R Of 156



POND 9

$Q_{100}IN$ = 13.0 CFS

$Q_{100}OUT$ = 6.6 CFS

V_{100}-24 PRV'D = ~~0.251 AC-FT~~ 0.276 AC-FT

V_{100}-24 REQ'D = 0.197 AC-FT

POND BOTTOM EL = 5316.30

POND TOP EL = 5320.00

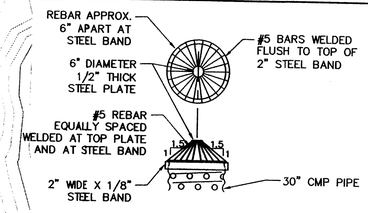
WSEL = 5319.00

GENERAL SHEET NOTES

1. NO ROCK EXCAVATION ALLOWED PER V.C.S.P.

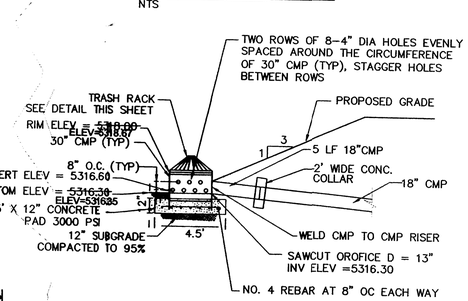
SHEET KEYNOTES

1. STA 15+70, 40.6' RT, INSTALL 27 LF 24" RCP PIPE, S = 1.0%, INV @ POND = ~~5316.45~~ INV=5316.45
2. INSTALL 6' WIDE BERM, ELEV = 5320.00.
3. INSTALL 26 LF 18" RCP PIPE WITH 18" RCP END SECTION, S = 1.15%. INV @ POND = 5316.30
4. STA 15+71, 113' RT, INV = 5316.00.
5. STA 17+84, 15' RT INSTALL 1-DOUBLE (24" WIDE) SIDEWALK CULVERT PER COA STD DWG 2236. INV UP = 5315.39, INV DOWN = 5314.17
6. INSTALL 4'W X 5'L X 18"D, D50=6" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
7. INSTALL 4.5'W X 7'L X 12", D50=6" RIPRAP BLANKET WITH MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.
8. STA 15+73, 87' RT, INSTALL 30" RISER, 2 ROW OF 8-4" DIA STAGGERED HOLES. SEE DETAIL THIS SHEET.
9. STA 18+08, INSTALL 10' WIDE SPECIAL VALLEY GUTTER PER COA STD DWG 2422. FL ELEV = 5315.03 RT, FL ELEV = 5315.31 LT
10. INSTALL 15'L X 6'W EMERGENCY SPILLWAY, SEE DETAIL THIS SHEET.
11. INSTALL 12" THICK BASALT RIPRAP, D50=6", W/ MIRAFI 140N FILTER FABRIC OR APPROVED EQUAL.

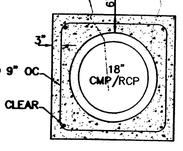


NOTE: ALL EXPOSED METAL SHALL BE "HOT DIP" GALVANIZED

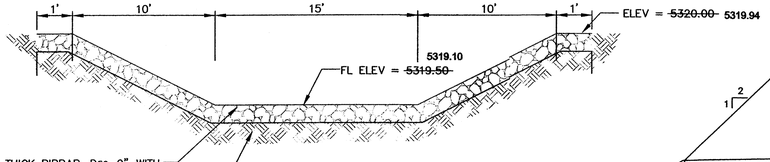
TRASH RACK DETAIL
NTS



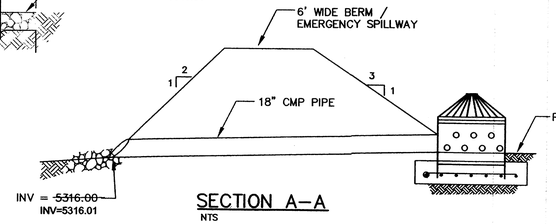
CMP RISER DETAIL
NTS



CONCRETE COLLAR DETAIL
NTS



EMERGENCY SPILLWAY
NTS



SECTION A-A
NTS

POND 9 SHALL BE MAINTAINED BY PRIVATE (VCPOA)

RECORD DRAWING DATE 10/7/14

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

WCEA # 0840010400

DECEMBER 2011

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS BRASS CAP, STAMPED "3-E10" SET IN TOP OF CONCRETE POST PROJECTING 0.30 FT. ABOVE GROUND. LOCATED APPROX. 225' E OF THE INTERSECTION OF RIM ROCK DR. NW AND MARIGOLD DR. NW (NAD 1983), X 1499059.808, Y 1512627.946

ELEVATION = 5318.89 FT. (NAVD 1988)

AS-BUILT INFORMATION

CONTRACTOR	AUI	
WORK INSPECTED BY:	AUI	DATE 07/14
INSPECTOR'S ASSISTANCE BY:	WCI	DATE 10/14
FIELD DEPRECIATION BY:	WCI	DATE 10/14
DRAWING CORRECTED BY:	WCI	DATE 10/14

MICRO-FILM INFORMATION

RECORDED BY: DATE

NO.

ENGINEER'S SEAL

M. DUNEMAN DONALD NEW MEXICO (17616) REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY STAFF	DATE JAN. 2012
		DRAWN BY STAFF	DATE JAN. 2012
		CHECKED BY SJM	DATE JAN. 2012

WILSON & COMPANY
4900 LAS VEGAS BLVD NW
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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

SPECIAL ASSESSMENT DISTRICT 228-VOL. 1
POND 9 GRADING PLAN

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

City Project No. 693391 | Zone Map No. D-10, D-11 | Sheet 114A Of 156

M:\RR\08-400-104-00\CADD\SHEETS\UNITS 18-19-22\0114 POND 9 GRADING.dwg 1/12/2012 2:46:45 PM MST