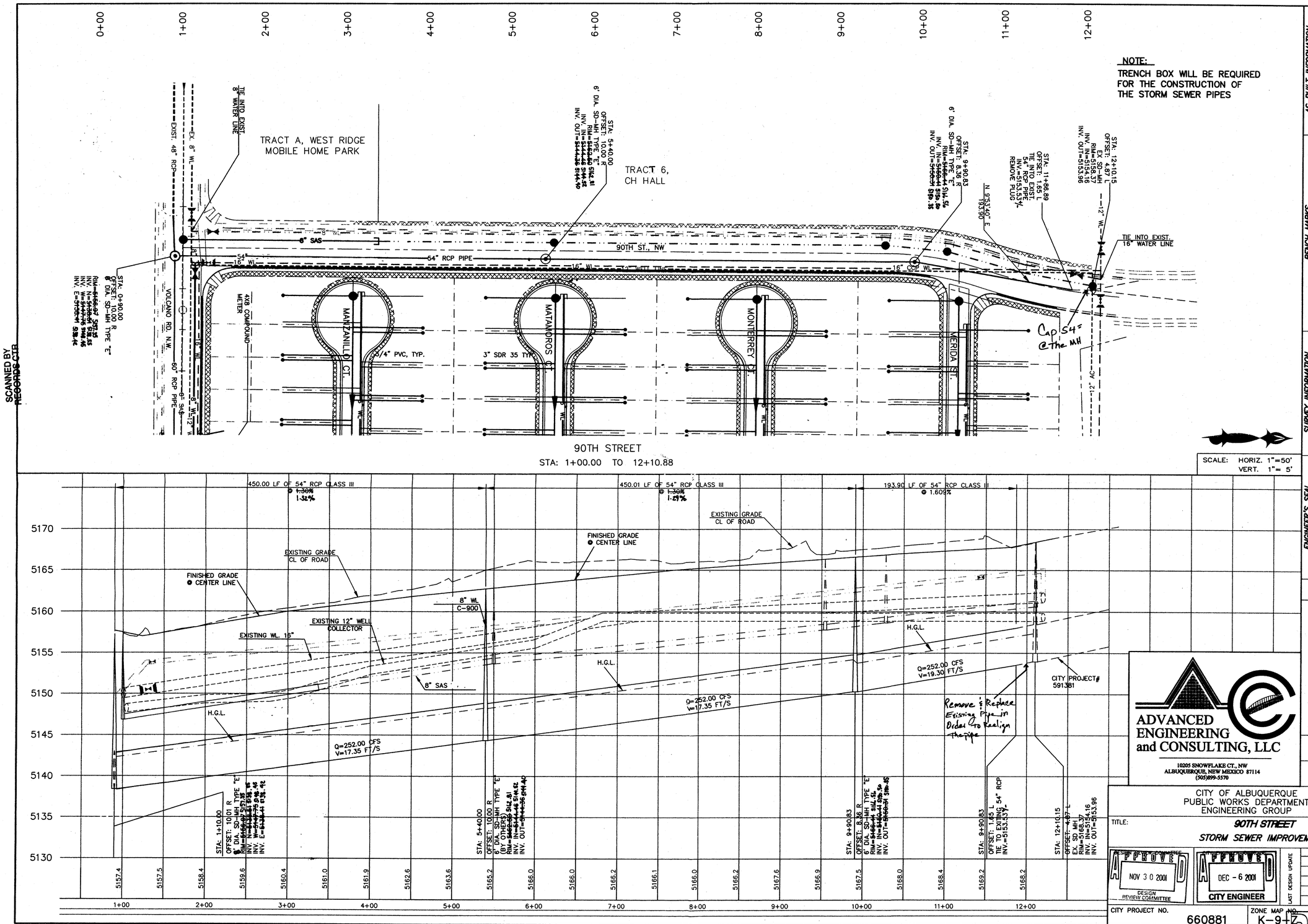


AS BUILT INFORMATION

CONTRACTOR Albuquerque Excavating Ltd.
WORK STAKED BY Alvarado Eng. DATE 6-2-03
INSPECTOR'S ACCEPTANCE BY Advanced Eng. DATE 6-20-03
FIELD VERIFICATION BY Advanced Eng. DATE 6/16/03
DRAWINGS CORRECTED BY Advanced Eng. DATE 6/16/03

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ACS "7-K9", LOCATED AT THE CL OF CENTRAL (MEDIAN) ±530' EAST CL OF 90TH ST & ±0.14 MI TO CL 86TH ST
CENTRAL STATION DATA-NAD 1927
NM STATE PLANE COORDINATES
X=355,815.77
Y=1,482,042.09
G-G=0.99967820
Dg=-00°16'37"
ELEV=5137.363 NGVD 1929

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

SHANE A. BAZAR NEW MEXICO 15147 PROFESSIONAL ENGINEER REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY SB DATE 8-01
DRAWN BY SB DATE 8-01
CHECKED BY SB DATE 8-01

ADVANCED ENGINEERING and CONSULTING, LLC
10205 SNOWFLAKE CT., NW
ALBUQUERQUE, NEW MEXICO 87114
(505)899-5570

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: 90TH STREET
STORM SEWER IMPROVEMENTS

APPROVED NOV 30 2001 DESIGN REVIEW COMMITTEE
APPROVED DEC - 6 2001 CITY ENGINEER

LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

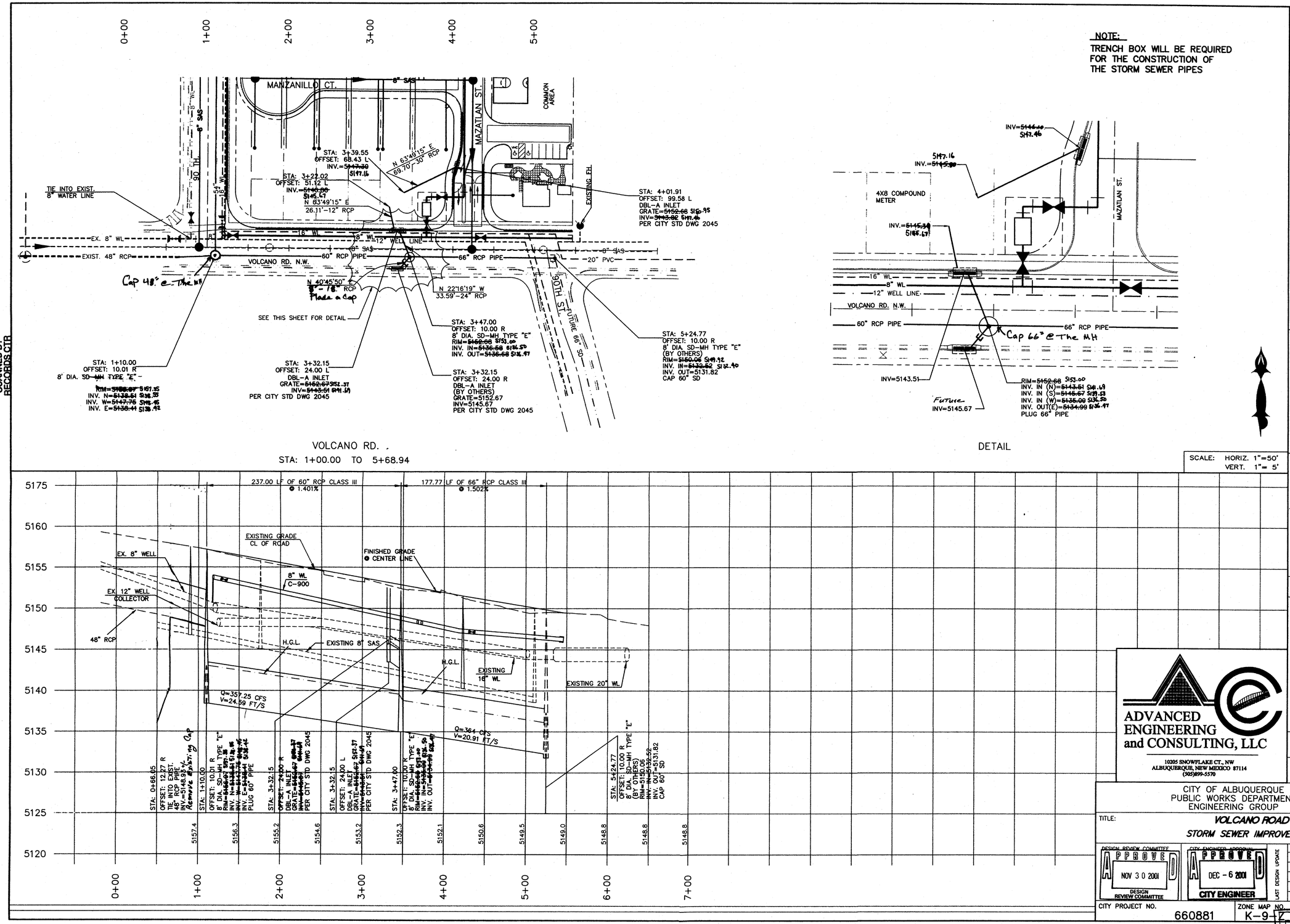
CITY PROJECT NO. 660881 | ZONE MAP NO. K-9-Z | SHEET | OF

RECEIVED OCT 09 2007 HYDROLOGY SECTION

26-6608.81 11 02

DRAWING NUMBER

SCANNED BY RECORDS CTR



SCANNED BY RECORDS CTR

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

26-608.81 12 02

DRAWING NUMBER

AS BUILT INFORMATION
CONTRACTOR Albuquerque Excavation Ltd. DATE 1-1-04
WORK STAKED BY Advanced Eng. DATE 1-1-04
ACCEPTANCE BY Advanced Eng. DATE 1/1/04
FIELD VERIFICATION BY Advanced Eng. DATE 1/1/04
DRAWINGS CORRECTED BY Advanced Eng. DATE 1/1/04
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
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NM STATE PLANE COORDINATES
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Y=1,482,042.09
G-G=0.99967820
Da=-00°16'37"
ELEV=5137.363 NGVD 1929

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JOSHUA B. BUZIAR
NEW MEXICO
10207
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY SB	DATE 8-01
		DRAWN BY SB	DATE 8-01
		CHECKED BY SB	DATE 8-01

ADVANCED ENGINEERING and CONSULTING, LLC
10205 SNOWFLAKE CT., NW
ALBUQUERQUE, NEW MEXICO 87114
(505)899-5570

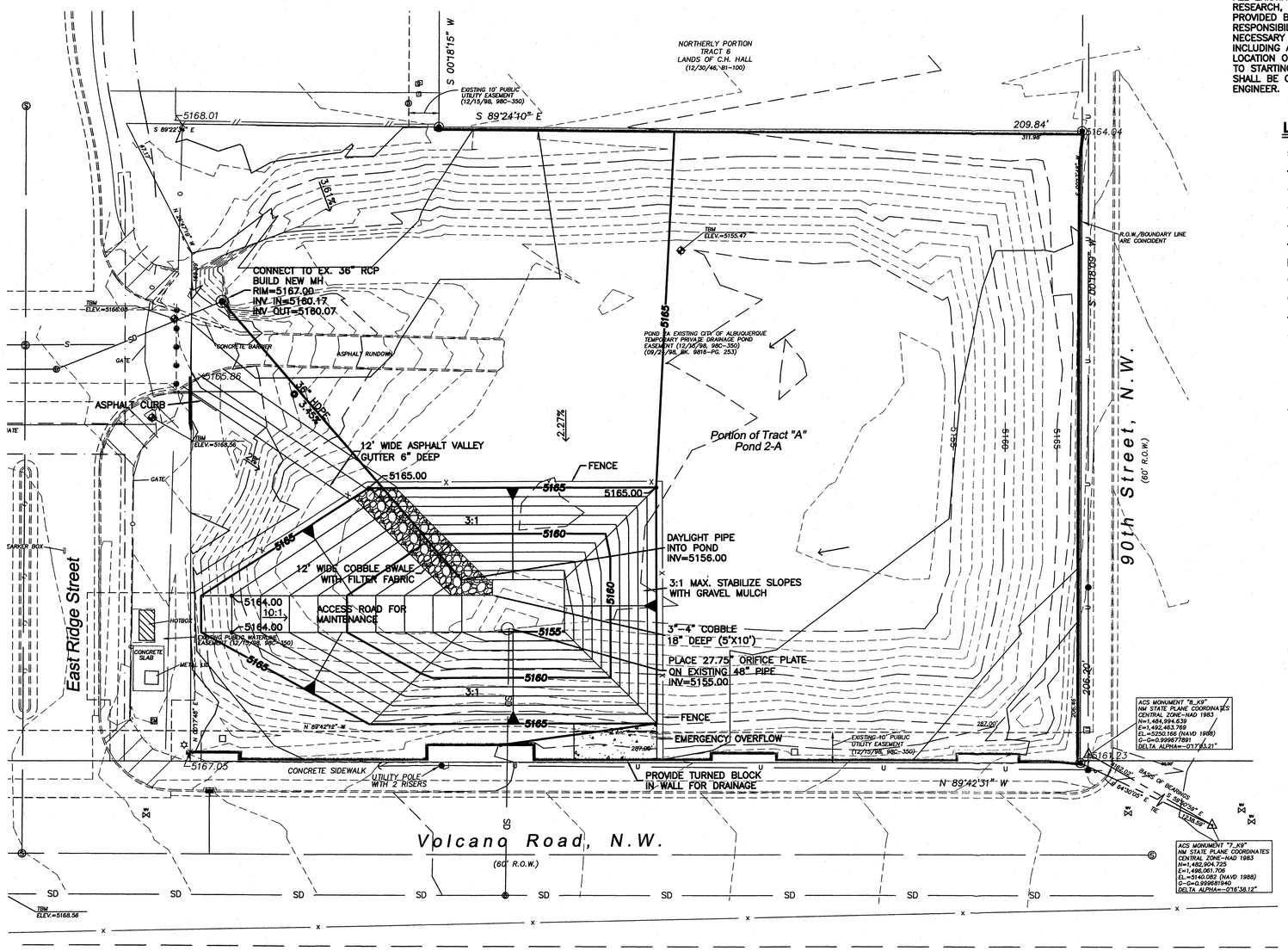
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: VOLCANO ROAD
STORM SEWER IMPROVEMENTS

DESIGN REVIEW COMMITTEE: APPROVED NOV 30 2001 DESIGN REVIEW COMMITTEE
CITY ENGINEER ACCEPTANCE: APPROVED DEC - 6 2001 CITY ENGINEER
LAST DESIGN UPDATE MO./DAY/YR. MO./DAY/YR.

CITY PROJECT NO. 660881
ZONE MAP NO. K-9-Z
SHEET 42 OF 42

RECEIVED OCT 09 2007



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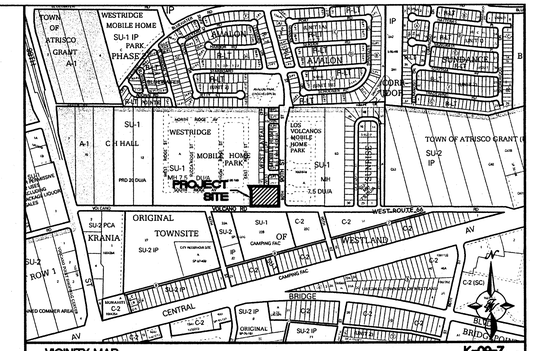
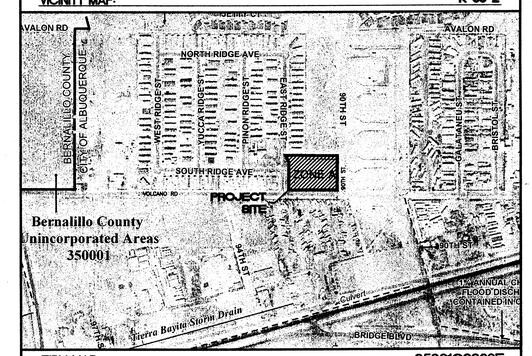
LEGEND

	CURB & GUTTER
	BOUNDARY LINE
	EASEMENT
	CENTERLINE
	RIGHT-OF-WAY
	BUILDING
	SIDEWALK
	SCREEN WALL
	RETAINING WALL
5010	CONTOUR MAJOR
5011	CONTOUR MINOR
x 5048.25	SPOT ELEVATION
	FLOW ARROW
	EXISTING CURB & GUTTER
	EXISTING BOUNDARY LINE
5010	EXISTING CONTOUR MAJOR
5011	EXISTING CONTOUR MINOR
x 5048.25	EXISTING SPOT ELEVATION



VICINITY MAP: K-09-Z



FIRM MAP: 35001C0328E

GRAPHIC SCALE

20 10 0 10 20

SCALE: 1"=20'

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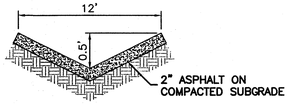
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

APPROVAL	NAME	DATE
INSPECTOR		



VALLEY GUTTER
SC: NTS

EROSION CONTROL PLAN, NPDES PERMIT AND POLLUTION PREVENTION NOTES

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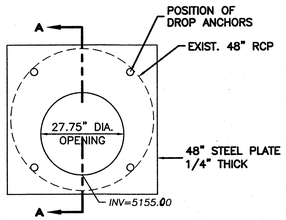
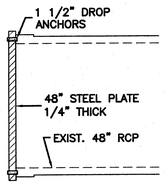
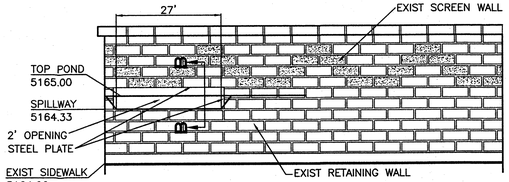


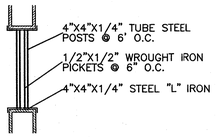
ORIFICE PLATE DETAIL
SC: NTS



SECTION A-A
SC: NTS



EMERGENCY SPILLWAY DETAIL
NTS



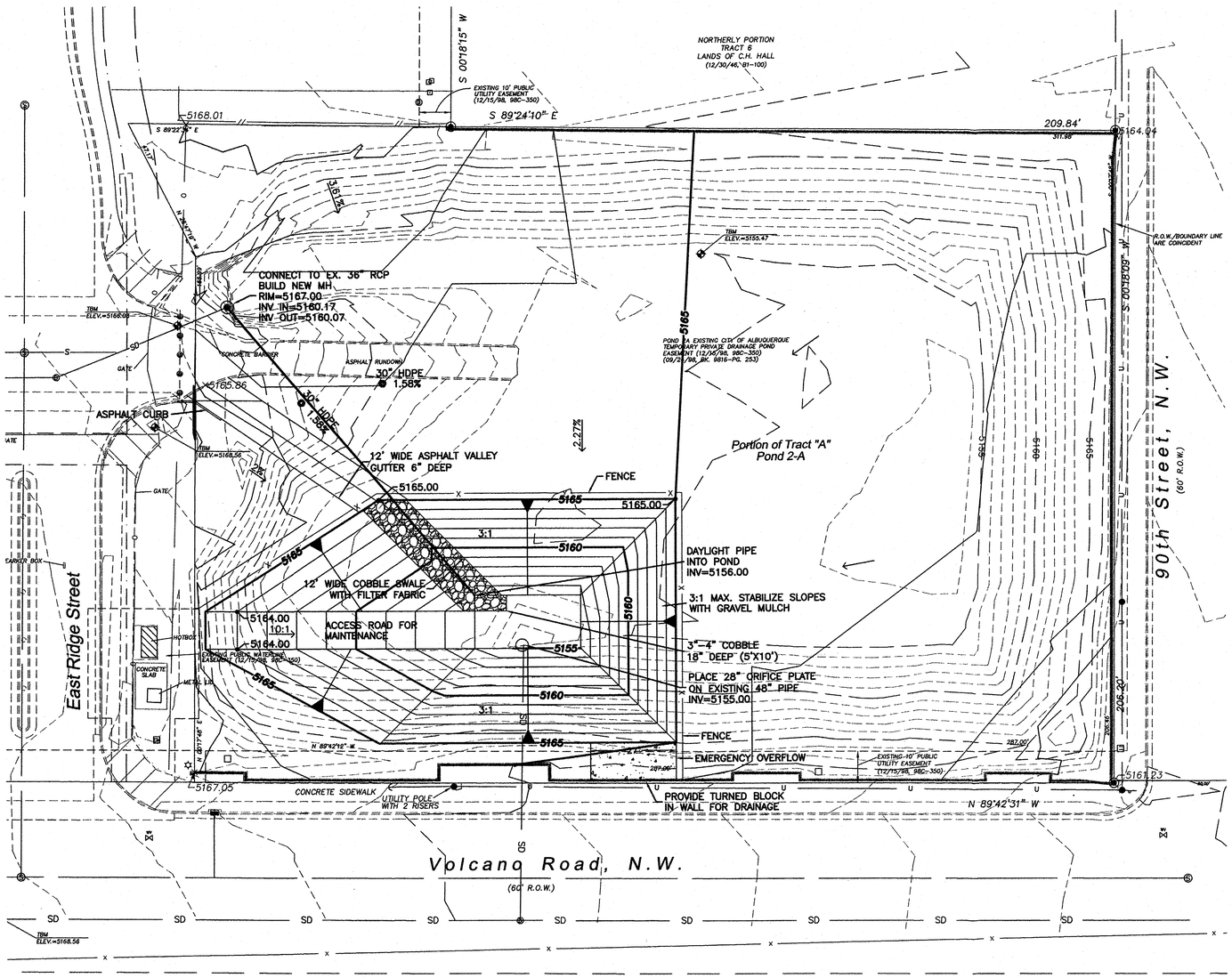
SECTION B-B

ROUGH GRADING APPROVAL

DATE

RECEIVED
AUG 27 2013
PLANNING DEVELOPMENT SECTION

ENGINEER'S SEAL	WEST RIDGE MOBILE HOME PARK	DRAWN BY: DY
	GRADING AND DRAINAGE PLAN	DATE 8/14/13
		27031-GR
	TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505) 858-3100 www.tierrawestllc.com	SHEET # C2
RONALD R. BOHANNAN P.E. #7868		JOB # 27031



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	CURB & GUTTER
	BOUNDARY LINE
	EASEMENT
	CENTERLINE
	RIGHT-OF-WAY
	BUILDING
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	SCREEN WALL
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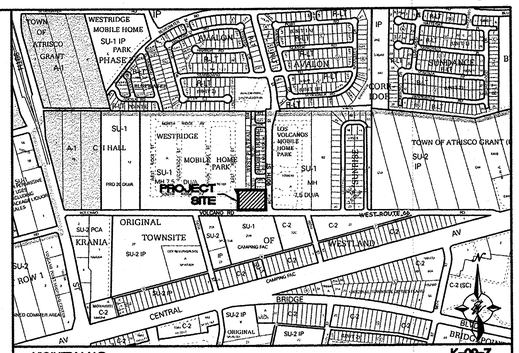
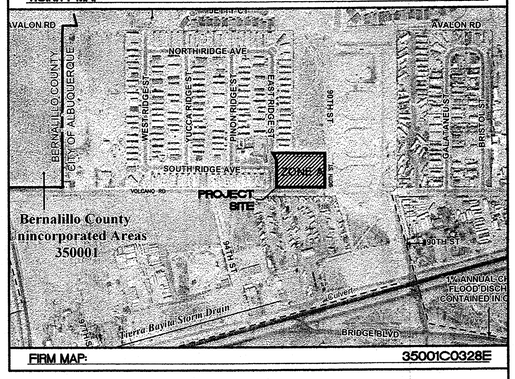
x 5048.25	SPOT ELEVATION
	FLOW ARROW
	EXISTING CURB & GUTTER
	EXISTING BOUNDARY LINE
5010	EXISTING CONTOUR MAJOR
5011	EXISTING CONTOUR MINOR
x 5048.25	EXISTING SPOT ELEVATION



VICINITY MAP: K-09-Z



FIRM MAP: 35001C0328E

N

GRAPHIC SCALE

20 10 0 10 20

SCALE: 1"=20'

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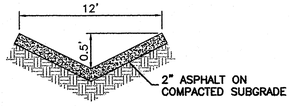
APPROVAL	NAME	DATE
INSPECTOR		



VALLEY GUTTER
SC: NTS

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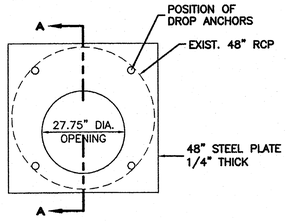
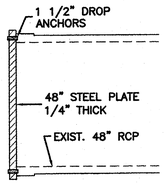
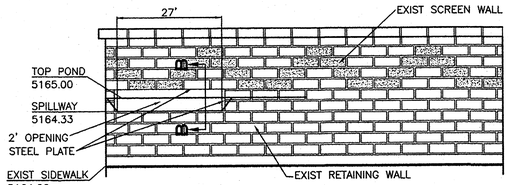


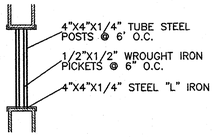
ORIFICE PLATE DETAIL
SC: NTS



SECTION A-A
SC: NTS



EMERGENCY SPILLWAY DETAIL
NTS



SECTION B-B

ROUGH GRADING APPROVAL DATE

ENGINEER'S SEAL

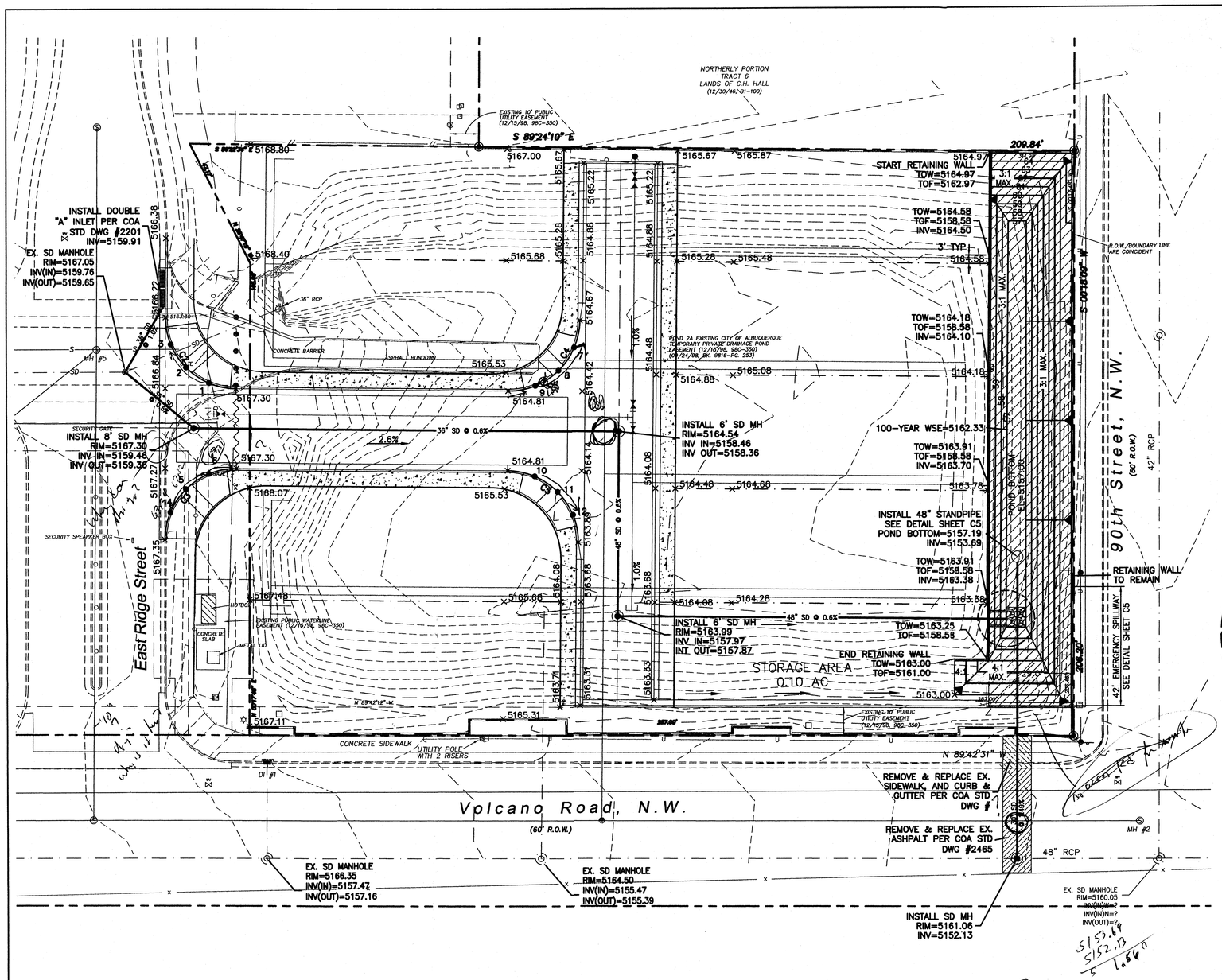
RONALD R. BOHANNAN P.E. #7868

WEST RIDGE
MOBILE HOME PARK
GRADING AND DRAINAGE PLAN

TIERRA WEST, LLC
5571 MIDWAY PARK PLACE NE
ALBUQUERQUE, NM 87109
(505) 858-3100
www.tierrawestllc.com

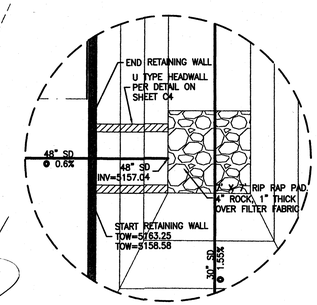
DRAWN BY	DY
DATE	5/13/13
	27031-GR
SHEET #	C2
JOB #	27031

RECEIVED MAY 13 2013

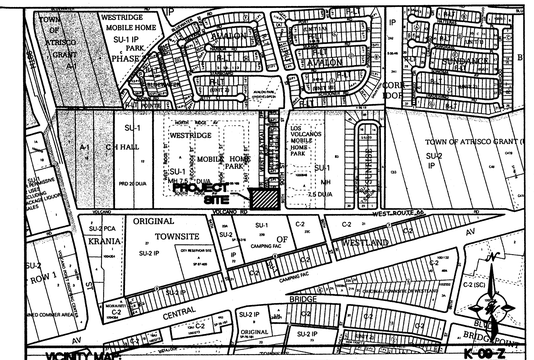


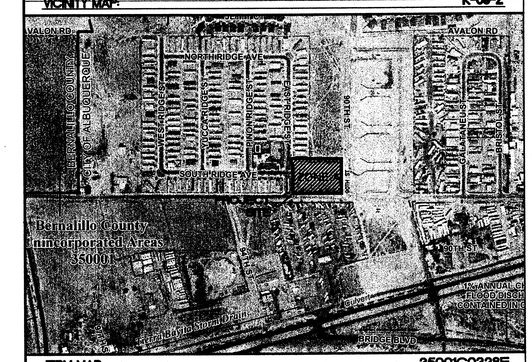
LEGEND

- CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- CENTERLINE
- RIGHT-OF-WAY
- BUILDING
- SIDEWALK
- SCREEN WALL
- RETAINING WALL
- 5010 CONTOUR MAJOR
- 5011 CONTOUR MINOR
- x 5048.25 SPOT ELEVATION
- FLOW ARROW
- EXISTING CURB & GUTTER
- EXISTING BOUNDARY LINE
- 5010 EXISTING CONTOUR MAJOR
- 5011 EXISTING CONTOUR MINOR
- x 5048.25 EXISTING SPOT ELEVATION
- WATER BREAK



DETAIL 'A'
SC: 1"=6'





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APPROVAL	NAME	DATE
INSPECTOR		

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QUARTER POINTS

C2 FL	ELEV.
1	5167.03
2	5166.76
3	5166.49

C3 FL	ELEV.
4	5167.34
5	5167.32
6	5167.31

C4 FL	ELEV.
7	5164.70
8	5164.74
9	5164.77

C5 FL	ELEV.
10	5164.58
11	5164.35
12	5164.12

Curve Table

Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C2	39.13	25.04	89.54	S44° 32' 28"E	35.27
C3	39.28	25.14	89.54	S45° 23' 50"W	35.40
C4	39.23	25.10	89.54	N45° 36' 00"E	35.36
C5	39.23	25.10	89.54	N44° 24' 00"W	35.36

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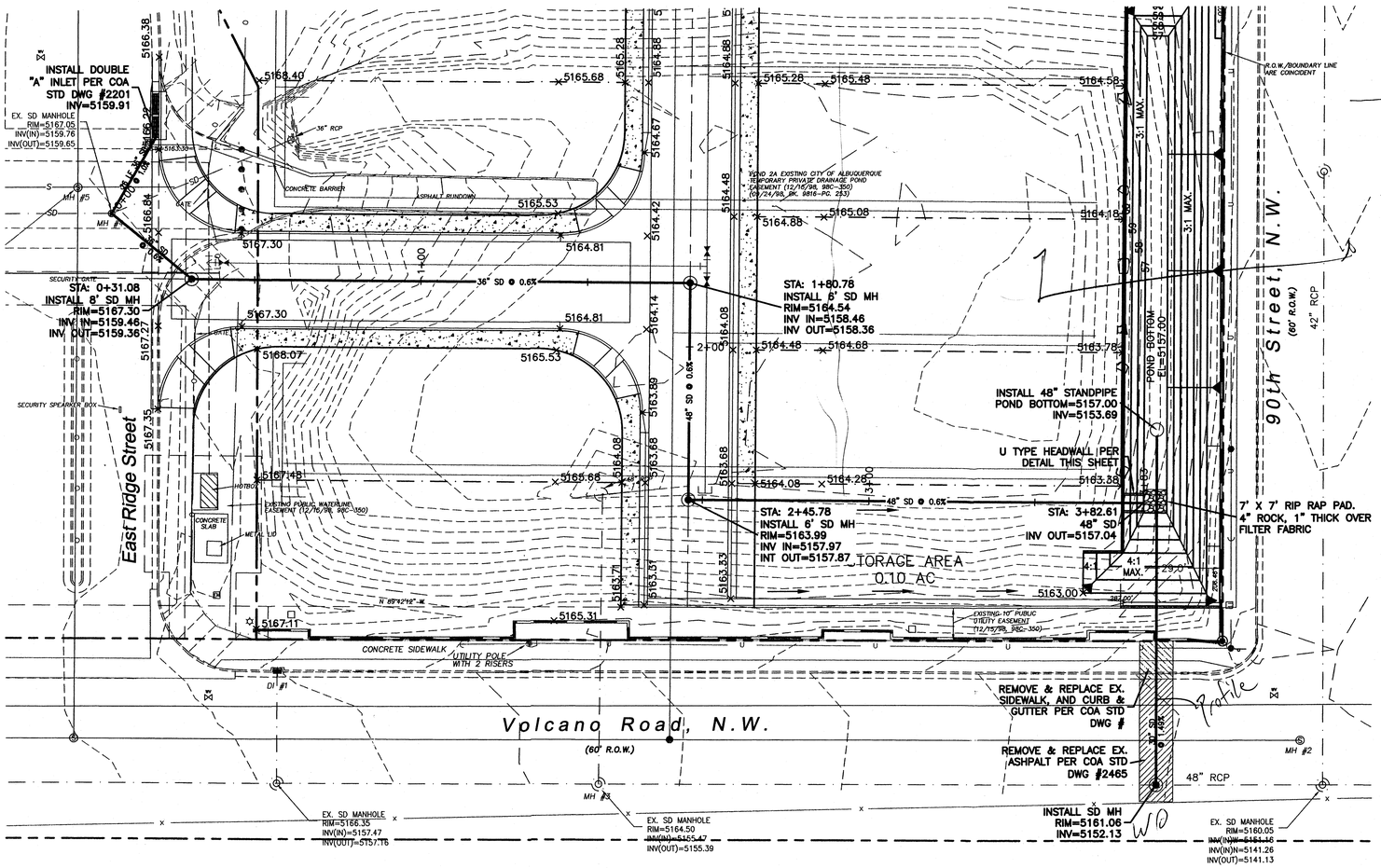
N

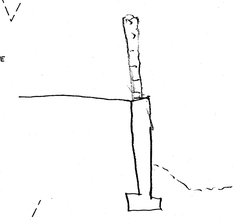
GRAPHIC SCALE
20 10 0 10 20
SCALE: 1"=20'

RECEIVED
DEC 2010

ROUGH GRADING APPROVAL — DATE

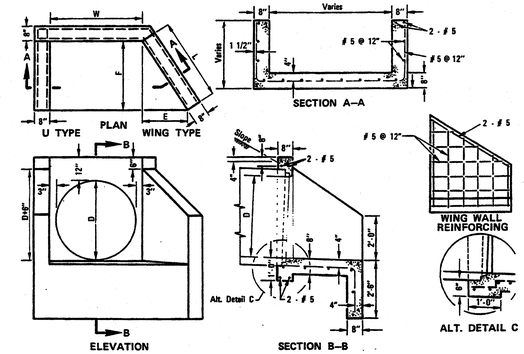
ENGINEER'S SEAL	WEST RIDGE MOBILE HOME PARK	DRAWN BY DY/BJF
	GRADING AND DRAINAGE PLAN	DATE 12-07-10
		2731-GRE
RONALD R. BOHANNAN P.E. #7868	TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505)858-3100 tierrawestllc.com	SHEET # C3
		JOB # 27031





CAUTION:

ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.



DIA. OF PIPE	DIMENSIONS				SINGLE PIPE			
					U TYPE		WING TYPE	
	L	E	F	W	D/N	STEEL	D/N	STEEL
					C.Y.	LBS.	C.Y.	LBS.
42"	3'-7 1/4"	2'-8"	3'-0"	4'-0"	1.57	117	1.90	135
48"	4'-6"	2'-6"	3'-9"	4'-6"	1.97	153	2.48	184

NOTE: DIMENSIONS E AND L APPLY TO WING TYPE ONLY.

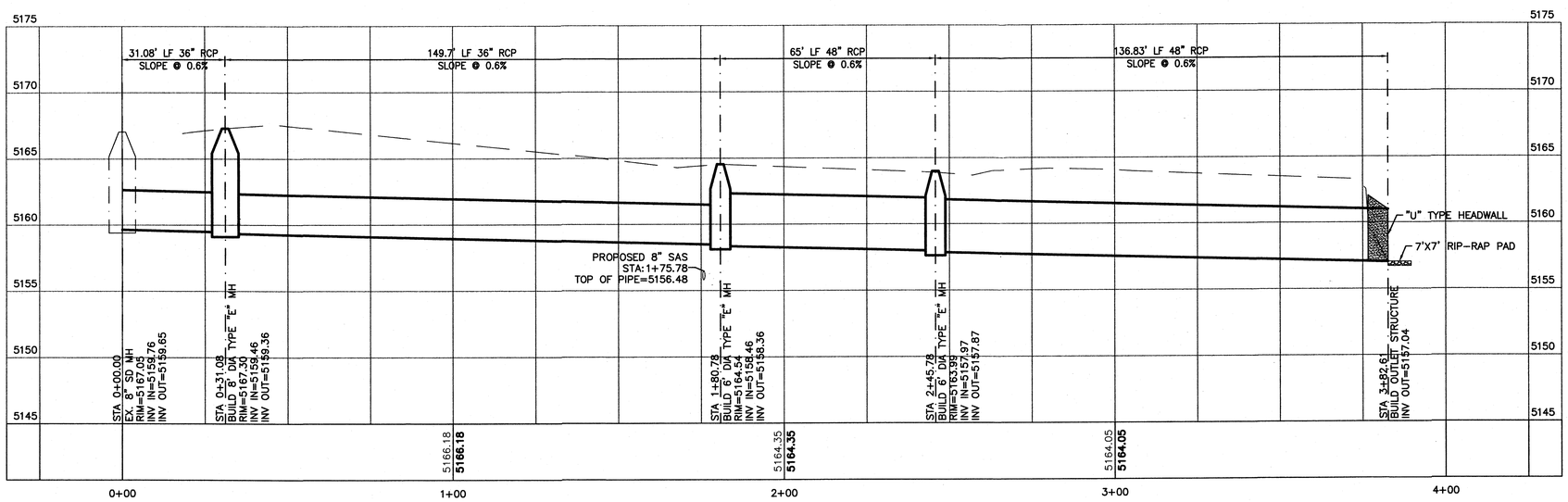
NOTES

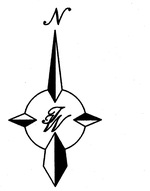
1. Skewed Pipes: Dimension W to be increased to take care of increased width or length due to skew of multiple pipes.
2. Tops of headwalls, on grade culverts, shall be placed parallel to profile grade when the grades are 3% or more.
3. Concrete shall be 4000 psi.
4. Exposed corners shall be chamfered 3/4".
5. Multiple pipes shall be set a distance of D/2, with a 1' minimum, between outside diameters of pipes.
6. For pipe wall thickness greater than 3" use Alternate Detail-C.

LEGEND ON PLANS

WING AND U TYPE HEADWALL

NTS



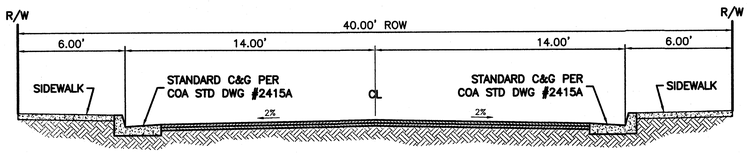


GRAPHIC SCALE

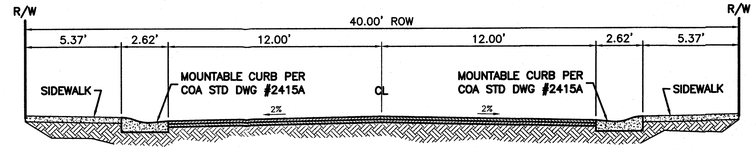
20 10 0 10 20

SCALE: HORIZ. 1"=20'
VERT. 1"=5'

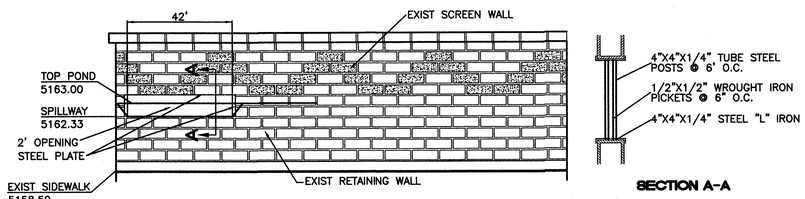
ENGINEER'S SEAL	WEST RIDGE MOBILE HOME PARK	DRAWN BY DY/BJF
	STORM DRAIN IMPROVEMENTS	DATE 12-07-10
		2731-P&P
RONALD R. BOHANNAN P.E. #7868	TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505)858-3100 tierrawestllc.com	SHEET # C4
		JOB # 27031



SECTION A-A
SC: 1"=4'

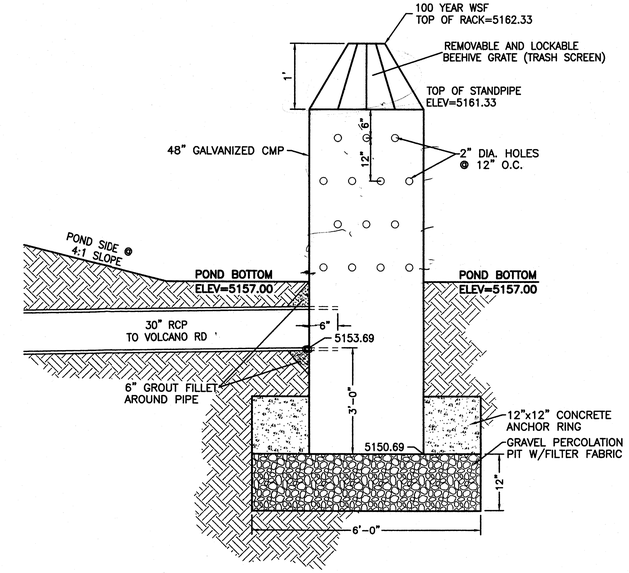


SECTION B-B
SC: 1"=4'

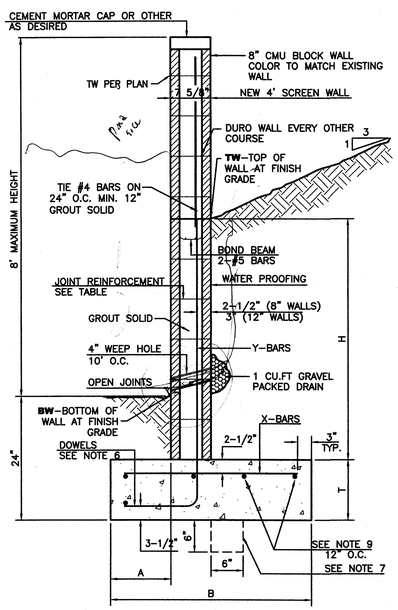


EMERGENCY SPILLWAY DETAIL
NTS

SECTION A-A



STAND PIPE DETAIL
NTS



RETAINING WALL DETAIL
NTS

8 INCH REINFORCED CONCRETE MASONRY WALL

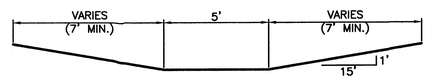
H	A	B	T	Y-BARS	X-BARS
ft.-in.	in.	ft.-in.	in.		
2'-0"	8"	2'-0"	9"	#4 @32" O.C.	
2'-8"	8"	2'-0"	9"	#4 @32" O.C.	#4 @24" O.C.
3'-4"	8"	2'-4"	9"	#4 @32" O.C.	#4 @24" O.C.
4'-0"	10"	2'-8"	9"	#4 @32" O.C.	#4 @24" O.C.
4'-8"	12"	3'-4"	10"	#5 @32" O.C.	#4 @18" O.C.
5'-4"	14"	3'-10"	10"	#6 @16" O.C.	#4 @18" O.C.
6'-0"	16"	4'-8"	12"	#6 @ 8" O.C.	#4 @12" O.C.

12 INCH REINFORCED CONCRETE MASONRY WALL

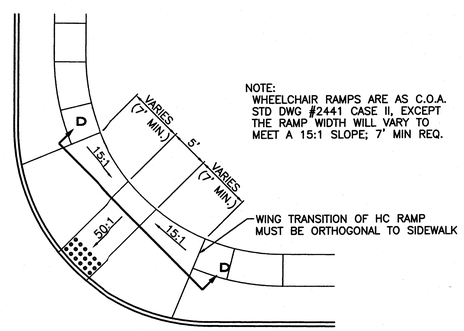
H	A	B	T	Y-BARS	X-BARS
ft.-in.	in.	ft.-in.	in.		
5'-4"	14"	3'-8"	10"	#6 @18" O.C.	#4 @24" O.C.
6'-0"	15"	4'-2"	12"	#4 @16" O.C.	#4 @18" O.C.
6'-8"	16"	4'-6"	12"	#6 @24" O.C.	#5 @18" O.C.
7'-4"	18"	4'-10"	12"	#6 @16" O.C.	#5 @18" O.C.
8'-0"	20"	5'-4"	12"	#7 @18" O.C.	#6 @12" O.C.
8'-8"	20"	5'-8"	12"	#7 @16" O.C.	#6 @12" O.C.

GENERAL NOTES:

1. ALL CONCRETE IS TO BE 4000 PSI @ 28 DAYS.
2. MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM. D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE ± 2.0%.
3. BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
4. ALL BARS ARE TO BE GRADE 60, ASTM 615.
5. TRUSS TYPE DUR-O-WALL EVERY OTHER COURSE.
6. DOWELS SHALL BE AT LEAST EQUAL IN SIZE AND SPACING TO V-BARS, SHALL PROJECT A MINIMUM OF 30 BAR DIA. INTO THE FILLED BLOCK CORES, AND SHALL EXTEND TO THE TOE OF THE FOOTING.
7. PROVIDE KEY FOR 8" AND 12" WALLS WHERE H EXCEEDS 6'-0"
8. USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 16'.
9. BOND BEAM, 1-#4 BARS FOR WALLS UNDER 3'-4", 2-#4 BARS FOR WALLS UNDER 5'-4", 2-#5 BARS FOR WALLS OVER 5'-4".

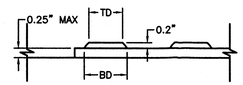


SECTION D-D
NTS

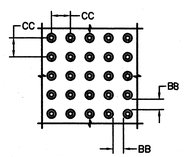


NOTE:
WHEELCHAIR RAMPS ARE AS C.O.A. STD DWG #2441 CASE II, EXCEPT THE RAMP WIDTH WILL VARY TO MEET A 15:1 SLOPE; 7' MIN REQ.

WHEELCHAIR RAMP DETAIL (TYP.)
NTS

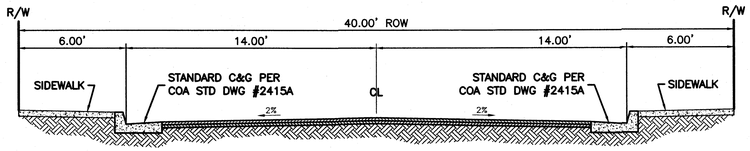


DOME SECTION
BD – BASE DIAMETER 0.9" MIN
TD – TOP DIAMETER 50% OF BD MIN TO 65% OF BD MAX

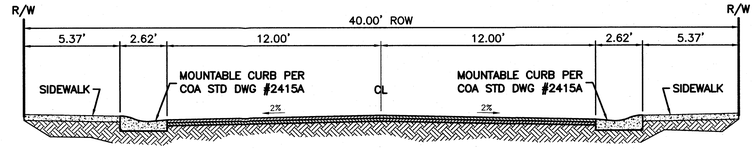


DOME SPACING
CC – CENTER TO CENTER SPACING 2.35"
BB – BASE TO BASE SPACING 1.48" MIN

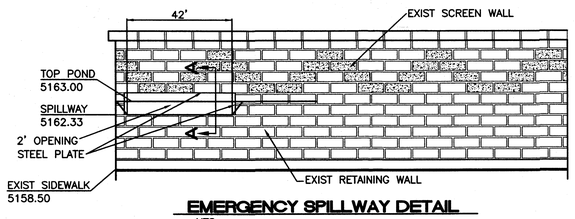
ENGINEER'S SEAL	WEST RIDGE MOBILE HOME PARK	DRAWN BY DY/BJF
		DATE 12-07-10
	DETAILS	2731-DETAILS
RONALD R. BOHANNAN P.E. #7868	TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505)858-3100 tierrawestllc.com	SHEET # C5
		JOB # 27031



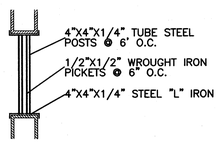
SECTION A-A
SC: 1"=4'



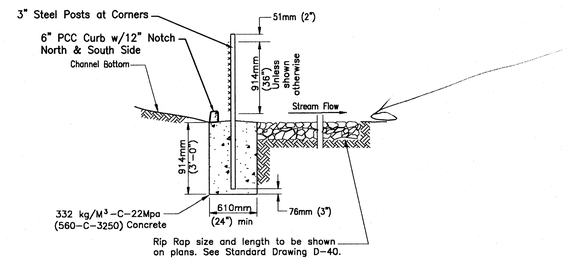
SECTION B-B
SC: 1"=4'



EMERGENCY SPILLWAY DETAIL
NTS



SECTION A-A



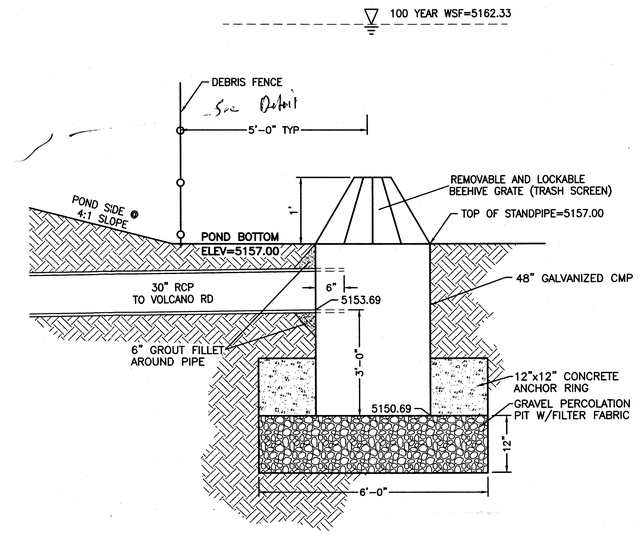
SECTION

NOTES:

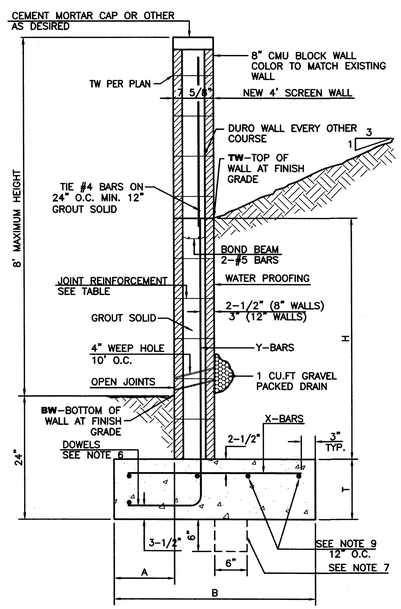
1. Fence fabric shall be 51mm (2") mesh, 9 gage galvanized wire, chain link placed on the upstream side of the posts and tension cables.
2. Tension cable shall be 8mmø (5/16") steel at 457mm (18") c/c, secured at ends with cable clamps. Secure fence to cable with No. 12 galvanized steel wire looped at 152mm (6") c/c.
3. Posts shall be 76mmø (3") steel pipe, 2.63kg (5.79 lb/ft). Fill with mortar after placing.
4. Fence fabric shall be secured to posts with 9 gage wire clips at 229mm (9") c/c.

LEGEND ON PLANS

DEBRIS FENCE SECTION DETAIL
NTS



STAND PIPE DETAIL
NTS



RETAINING WALL DETAIL
NTS

8 INCH REINFORCED CONCRETE MASONRY WALL

H	A	B	T	Y-BARS	X-BARS
ft.-in.	in.	ft.-in.	in.		
2'-0"	8"	2'-0"	9"	#4 @32" O.C.	
2'-8"	8"	2'-0"	9"	#4 @32" O.C.	#4 @24" O.C.
3'-4"	8"	2'-4"	9"	#4 @32" O.C.	#4 @24" O.C.
4'-0"	10"	2'-8"	9"	#4 @32" O.C.	#4 @24" O.C.
4'-8"	12"	3'-4"	10"	#5 @32" O.C.	#4 @18" O.C.
5'-4"	14"	3'-10"	10"	#6 @16" O.C.	#4 @18" O.C.
6'-0"	16"	4'-8"	12"	#6 @ 8" O.C.	#4 @12" O.C.

12 INCH REINFORCED CONCRETE MASONRY WALL

H	A	B	T	Y-BARS	X-BARS
ft.-in.	in.	ft.-in.	in.		
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GENERAL NOTES:

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3. BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
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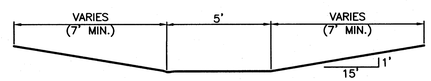
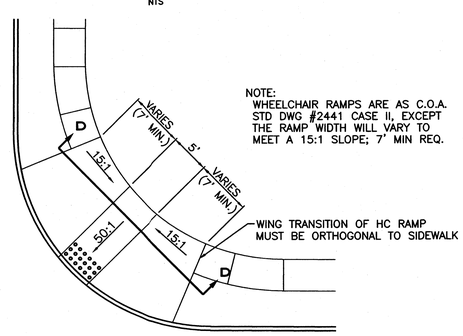
5. TRUSS TYPE DUR-O-WALL EVERY OTHER COURSE.
6. DOWELS SHALL BE AT LEAST EQUAL IN SIZE AND SPACING TO V-BARS, SHALL PROJECT A MINIMUM OF 30 BAR DIA. INTO THE FILLED BLOCK CORES, AND SHALL EXTEND TO THE TOE OF THE FOOTING.
7. PROVIDE KEY FOR 8" AND 12" WALLS WHERE H EXCEEDS 6'-0"
8. USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 16'.
9. BOND BEAM, 1-#4 BARS FOR WALLS UNDER 3'-4", 2-#4 BARS FOR WALLS UNDER 5'-4", 2-#5 BARS FOR WALLS OVER 5'-4".

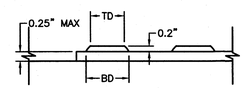


SECTION D-D
NTS

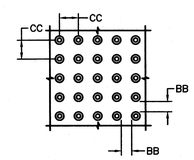


NOTE:
WHEELCHAIR RAMPS ARE AS C.O.A. STD DWG #2441 CASE II, EXCEPT THE RAMP WIDTH WILL VARY TO MEET A 15:1 SLOPE; 7' MIN REQ.

WHEELCHAIR RAMP DETAIL (TYP.)
NTS



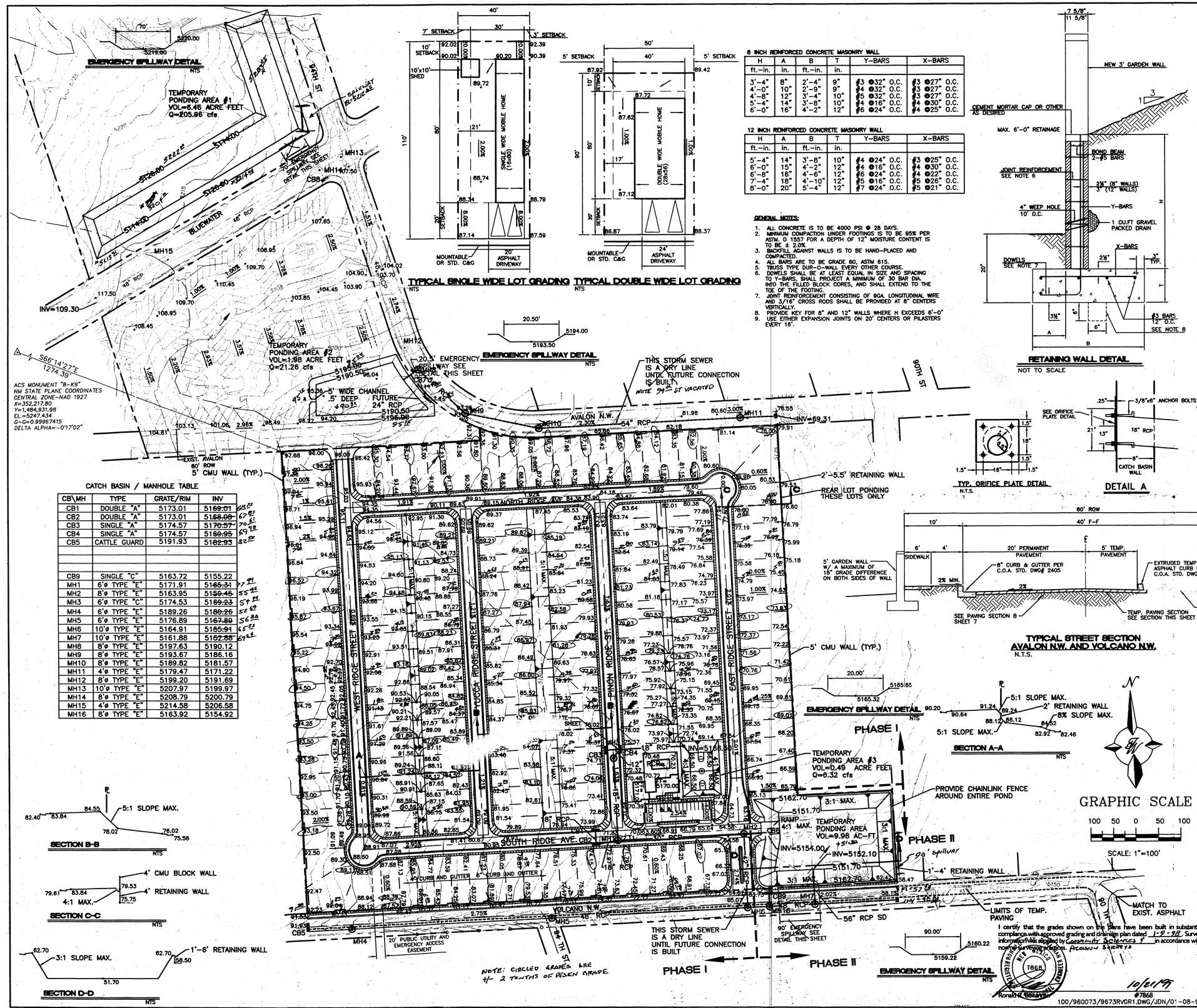
DOME SECTION
BD - BASE DIAMETER 0.9" MIN
TD - TOP DIAMETER 50% OF BD MIN TO 65% OF BD MAX



DOME SPACING
CC - CENTER TO CENTER SPACING 2.35"
BB - BASE TO BASE SPACING 1.48" MIN

RECEIVED
MAR 0 4 2011
HYDROLOGY
SECTION

ENGINEER'S SEAL	WEST RIDGE MOBILE HOME PARK	DRAWN BY DY/BJF
		DATE 01-25-11
	DETAILS	2731-DETAILS-MOD
RONALD R. BOHANNAN P.E. #7868	TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505)858-3100 tierrawestllc.com	SHEET # C5
		JOB # 27031



CATCH BASIN / MANHOLE TABLE

CB\MH	TYPE	GRATE/RIM	INV
CB1	DOUBLE "A"	5173.01	~~5169.01~~ 65.25
CB2	DOUBLE "A"	5173.01	~~5168.00~~ 67.80
CB3	SINGLE "A"	5174.57	~~5170.57~~ 70.61
CB4	SINGLE "A"	5174.57	~~5169.95~~ 69.78
CB5	CATTLE GUARD	5191.93	~~5182.93~~ 82.25
CB9	SINGLE "C"	5163.72	5155.22
MH1	6'ø TYPE "E"	5171.91	~~5165.31~~ 77.91
MH2	8'ø TYPE "E"	5163.95	~~5159.45~~ 55.45
MH3	6'ø TYPE "C"	5174.53	~~5169.23~~ 57.91
MH4	6'ø TYPE "E"	5189.26	~~5180.26~~ 58.26
MH5	6'ø TYPE "E"	5176.89	~~5167.89~~ 56.84
MH6	10'ø TYPE "E"	5164.91	~~5155.91~~ 65.22
MH7	10'ø TYPE "E"	5161.88	~~5152.88~~ 69.22
MH8	8'ø TYPE "E"	5197.63	5190.12
MH9	8'ø TYPE "E"	5193.67	5186.16
MH10	8'ø TYPE "E"	5189.82	5181.57
MH11	4'ø TYPE "E"	5179.47	5171.22
MH12	8'ø TYPE "E"	5199.20	5191.69
MH13	10'ø TYPE "E"	5207.97	5199.97
MH14	8'ø TYPE "E"	5208.79	5200.79
MH15	4'ø TYPE "E"	5214.58	5206.58
MH16	8'ø TYPE "E"	5163.92	5154.92

8 INCH REINFORCED CONCRETE MASONRY WALL

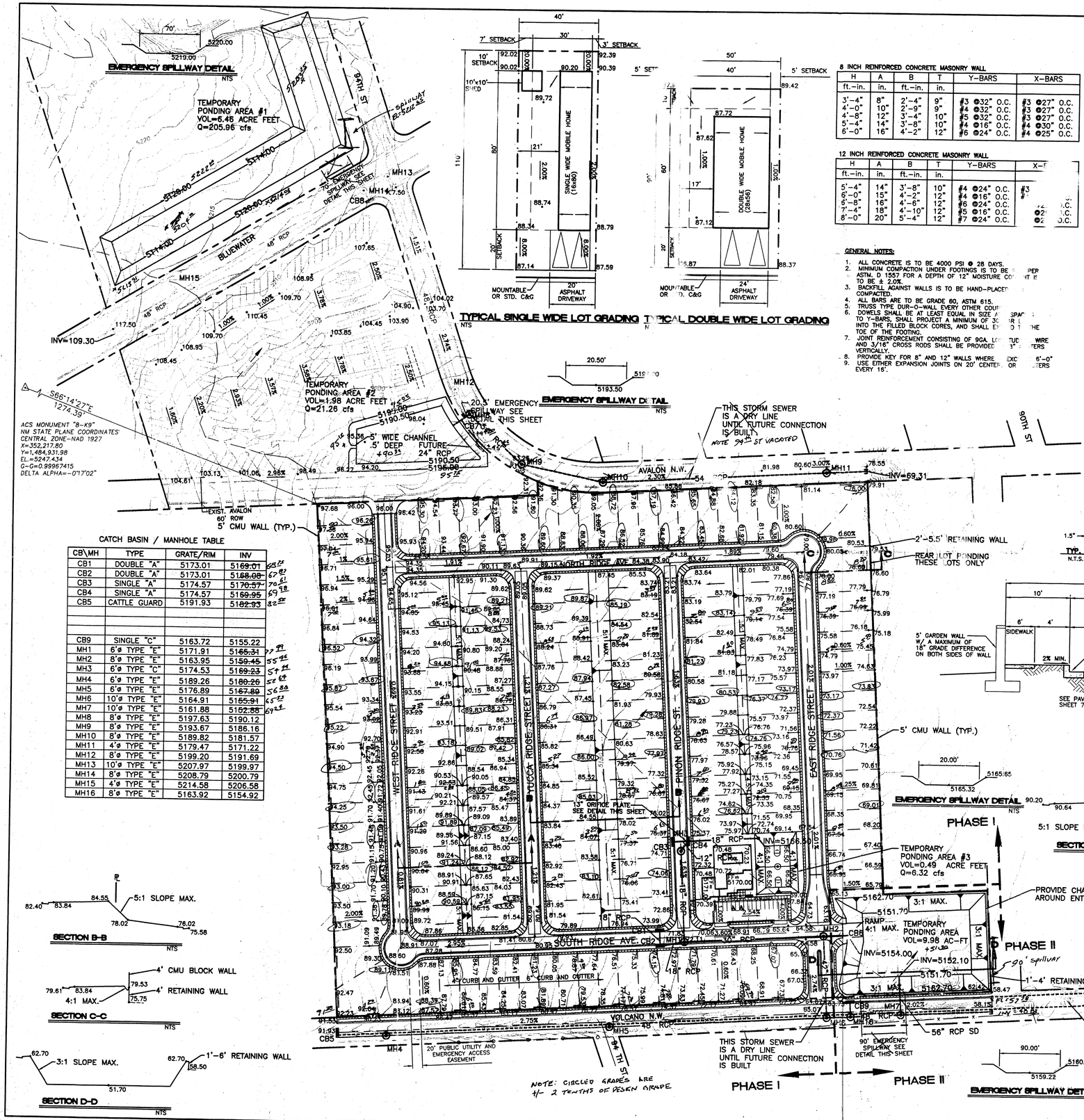
H	A	B	T	Y-BARS	X-BARS
ft.-in.	in.	ft.-in.	in.		
3'-4"	8"	2'-4"	9"	#3 @32" O.C.	#3 @27" O.C.
4'-0"	10"	2'-9"	9"	#4 @32" O.C.	#3 @27" O.C.
4'-8"	12"	3'-4"	10"	#5 @32" O.C.	#3 @27" O.C.
5'-4"	14"	3'-8"	10"	#4 @16" O.C.	#4 @30" O.C.
6'-0"	16"	4'-2"	12"	#6 @24" O.C.	#4 @25" O.C.

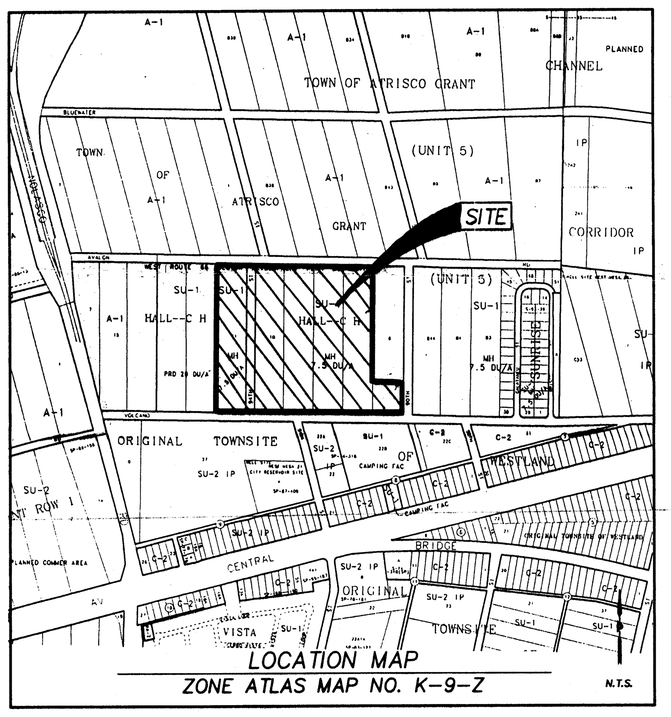
12 INCH REINFORCED CONCRETE MASONRY WALL

H	A	B	T	Y-BARS	X-BARS
ft.-in.	in.	ft.-in.	in.		
5'-4"	14"	3'-8"	10"	#4 @24" O.C.	#3 @25" O.C.
6'-0"	15"	4'-2"	12"	#4 @16" O.C.	#4 @30" O.C.
6'-8"	16"	4'-6"	12"	#6 @24" O.C.	#4 @22" O.C.
7'-4"	18"	4'-10"	12"	#5 @16" O.C.	#5 @26" O.C.
8'-0"	20"	5'-4"	12"	#7 @24" O.C.	#5 @21" O.C.

GENERAL NOTES:

1. ALL CONCRETE IS TO BE 4000 PSI @ 28 DAYS.
2. MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM. D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE ± 2.0%.
3. BACKFILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
4. ALL BARS ARE TO BE GRADE 60, ASTM 615.
5. TRUSS TYPE DUR-O-WALL EVERY OTHER COURSE.
6. DOWELS SHALL BE AT LEAST EQUAL IN SIZE AND SPACING TO Y-BARS, SHALL PROJECT A MINIMUM OF 30 BAR DIA. INTO THE FILLED BLOCK CORES, AND SHALL EXTEND TO THE TOE OF THE FOOTING.
7. JOINT REINFORCEMENT CONSISTING OF 9GA. LONGITUDINAL WIRE AND 3/16" CROSS RODS SHALL BE PROVIDED AT 8" CENTERS VERTICALLY.
8. PROVIDE KEY FOR 8" AND 12" WALLS WHERE H EXCEEDS 6'-0"
9. USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 16'.


EMERGENCY SPILLWAY DETAIL
NTS
TEMPORARY PONDING AREA #1
VOL=6.46 ACRE FEET
Q=205.96 cfs
TEMPORARY PONDING AREA #2
VOL=1.98 ACRE FEET
Q=21.26 cfs
TEMPORARY PONDING AREA #3
VOL=0.49 ACRE FEET
Q=6.32 cfs
TEMPORARY PONDING AREA
VOL=9.98 AC-FT
BLUEWATER
AVALON N.W.
NORTH RIDGE AVE.
SOUTH RIDGE AVE.
VOLCANO N.W.
WEST RIDGE STREET
EAST RIDGE STREET
PINON RIDGE ST.
HUCCO RIDGE STREET
90TH ST
EXIST. AVALON 60' ROW
5' CMU WALL (TYP.)
THIS STORM SEWER IS A DRY LINE UNTIL FUTURE CONNECTION IS BUILT
2'-5.5' RETAINING WALL
REAR LOT PONDING THESE LOTS ONLY
1'-4' RETAINING WALL
56" RCP SD
LIMITS OF TEMP. PAVING
MATCH TO EXIST. ASPHALT
90' EMERGENCY SPILLWAY SEE DETAIL THIS SHEET
20' PUBLIC UTILITY AND EMERGENCY ACCESS EASEMENT
13" ORIFICE PLATE SEE DETAIL THIS SHEET
PROVIDE CHAINLINK FENCE AROUND ENTIRE POND
PHASE I
PHASE II
NOTE: CIRCLED GRADES ARE +/- 2 TENTHS OF DESIGN GRADE
ACS MONUMENT "8-K9"
NM STATE PLANE COORDINATES
CENTRAL ZONE-NAD 1927
X=352,217.80
Y=1,484,931.98
EL.=5247.434
C-G=0.99967415
DELTA ALPHA=-0°17'02"
S66°14'27"E
1274.39'
INV=109.30
INV=69.31
INV=5156.50
INV=5154.00
INV=5152.10
CATCH BASIN / MANHOLE TABLE
CB\MH | TYPE | GRATE/RIM | INV
CB1 | DOUBLE "A" | 5173.01 | 5169.01
CB2 | DOUBLE "A" | 5173.01 | 5168.08
CB3 | SINGLE "A" | 5174.57 | 5170.57
CB4 | SINGLE "A" | 5174.57 | 5169.95
CB5 | CATTLE GUARD | 5191.93 | 5182.93
CB9 | SINGLE "C" | 5163.72 | 5155.22
MH1 | 6'ø TYPE "E" | 5171.91 | 5165.31
MH2 | 8'ø TYPE "E" | 5163.95 | 5159.45
MH3 | 6'ø TYPE "C" | 5174.53 | 5169.23
MH4 | 6'ø TYPE "E" | 5189.26 | 5180.26
MH5 | 6'ø TYPE "E" | 5176.89 | 5167.89
MH6 | 10'ø TYPE "E" | 5164.91 | 5155.91
MH7 | 10'ø TYPE "E" | 5161.88 | 5152.88
MH8 | 8'ø TYPE "E" | 5197.63 | 5190.12
MH9 | 8'ø TYPE "E" | 5193.67 | 5186.16
MH10 | 8'ø TYPE "E" | 5189.82 | 5181.57
MH11 | 4'ø TYPE "E" | 5179.47 | 5171.22
MH12 | 8'ø TYPE "E" | 5199.20 | 5191.69
MH13 | 10'ø TYPE "E" | 5207.97 | 5199.97
MH14 | 8'ø TYPE "E" | 5208.79 | 5200.79
MH15 | 4'ø TYPE "E" | 5214.58 | 5206.58
MH16 | 8'ø TYPE "E" | 5163.92 | 5154.92
SECTION B-B
NTS
SECTION C-C
NTS
SECTION D-D
NTS
EMERGENCY SPILLWAY DETAIL
NTS
EMERGENCY SPILLWAY DETAIL
NTS
SECTION A-A
NTS
GRAPHIC SCALE
SCALE: 1"=100'
TYP. ORIFICE PLATE DETAIL
N.T.S.
DETAIL A
TYPICAL STREET SECTION
AVALON N.W. AND VOLCANO N.W.
N.T.S.
LEGEND
EXISTING CURB & GUTTER
EXISTING CONTOUR (MAJOR)
EXISTING CONTOUR (MINOR)
BOUNDARY LINE
PROPOSED STORM DRAIN
STORM DRAIN (DRY LINE)
EASEMENT
FLOOD PLAIN LINE
DIRECTION OR FLOOD PLAIN
RETAINING WALL
CMU PERIMETER WALL
5155.60 PROPOSED SPOT ELEVATION
FUTURE SPOT ELEVATION
EROSION CONTROL PLAN NOTES
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURBACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.
ROUGH GRADING APPROVAL
OCT 22 1998
ENGINEER'S SEAL
RONALD R. BOHANNAN P.E. #7868
WEST RIDGE MOBILE HOME PARK
GRADING AND DRAINAGE PLAN
TIERRA WEST, LLC
4421 McLEOD ROAD, N.E., SUITE D
ALBUQUERQUE, NEW MEXICO 87109
(505)883-7592
DRAWN BY JDN
DATE 05-26-97
9673RVGR.DWG
SHEET # 3 OF 33
JOB # 960073
100/960073/9673RVGR1.DWG/JDN/(1-08-98)
VICINITY MAP: K-9-Z
FEMA MAP: 350002-0027C
NOTE: ADD 5100 TO ALL SPOT ELEVATIONS



LOCATION MAP
ZONE ATLAS MAP NO. K-9-Z
N.T.S.

LEGAL DESCRIPTION

A TRACT OF LAND LYING AND SITUATE WITHIN PROJECTED SECTION 21, TOWNSHIP 10 NORTH, RANGE 2 EAST, NEW MEXICO PRINCIPAL MERIDIAN, TOWN OF ATRISCO GRANT, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, COMPRISING OF THE SOUTH TWO HUNDRED SEVEN AND FOUR TENTHS FEET (207.40') OF TRACT NUMBERED SIX (6), ALL OF TRACTS NUMBERED SEVEN (7), EIGHT (8), NINE (9), TEN (10), ELEVEN (11), AND THE VACATED 94 TH STREET, N.W. LYING BETWEEN SAID TRACTS TEN AND ELEVEN, AS THE SAME ARE SHOWN AND DESIGNATED ON THE PLAT ENTITLED "PLAT SHOWING LANDS OF C.H. HALL COMPRISING OF TRACTS 4, 7, 8, 9, 10, 11 AND 12 OF TRACTS ALLOTTED FROM THE TOWN OF ATRISCO GRANT, BERNALILLO COUNTY, NEW MEXICO", FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON DECEMBER 30, 1946, IN VOLUME B1, FOLIO 120, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SAID TRACT LYING ON THE INTERSECTION OF THE WEST RIGHT OF WAY LINE OF 90 TH STREET, N.W. AND THE NORTH RIGHT OF WAY LINE OF VOLCANO ROAD, N.W., MARKED BY A SET REBAR WITH CAP "PS 11993", FROM WHENCE A TIE TO ACS MONUMENT "7-K9" BEARS S 64°30'05" E, A DISTANCE OF 1238.59 FEET;

THENCE FROM SAID BEGINNING POINT N 89°42'12" W ALONG SAID NORTH RIGHT OF WAY LINE OF VOLCANO ROAD, N.W., A DISTANCE OF 1320.00 FEET TO THE SOUTHWEST CORNER OF SAID TRACT MARKED BY A SET REBAR WITH CAP "PS 11993";

THENCE LEAVING SAID NORTH RIGHT OF WAY LINE N 00°17'48" E, A DISTANCE OF 1037.00 FEET TO THE NORTHWEST CORNER OF SAID TRACT LYING ON THE SOUTH RIGHT OF WAY LINE OF AVALON ROAD, N.W., MARKED BY A SET REBAR WITH CAP "PS 11993";

THENCE ALONG SAID SOUTH RIGHT OF WAY LINE OF AVALON ROAD, N.W. S 89°42'12" E, A DISTANCE OF 1110.00 FEET TO THE NORTHEAST CORNER OF SAID TRACT MARKED BY A SET REBAR WITH CAP "PS 11993";

THENCE LEAVING SAID RIGHT OF WAY LINE, S 00°17'48" W, A DISTANCE OF 829.60 FEET TO AN ANGLE POINT MARKED BY A SET REBAR WITH CAP "PS 11993";

THENCE S 89°22'34" E, A DISTANCE OF 210.00 FEET TO AN ANGLE POINT MARKED BY A SET REBAR WITH CAP "PS 11993";

THENCE S 00°17'48" W, A DISTANCE OF 206.20 FEET TO THE POINT OF BEGINNING, CONTAINING 27.422 ACRES (1,194,498 SQUARE FEET) MORE OR LESS, NOW COMPRISING TRACT "A", WEST RIDGE MOBILE HOME PARK.

EASEMENTS

THIS PLAT SHOWS EXISTING RECORDED AND APPARENT EASEMENTS AS NOTED.

PUBLIC UTILITY EASEMENTS SHOWN ON THIS PLAT ARE GRANTED FOR THE COMMON AND JOINT USE OF:

1. PNM ELECTRIC SERVICES FOR INSTALLATION, MAINTENANCE, AND SERVICE OF OVERHEAD AND UNDERGROUND ELECTRICAL LINES, COMMUNICATION FACILITIES, TRANSFORMERS, POLES AND ANY OTHER EQUIPMENT, FIXTURES, STRUCTURES AND RELATED FACILITIES REASONABLY NECESSARY TO PROVIDE ELECTRICAL SERVICE.
2. PNM GAS SERVICES FOR INSTALLATION, MAINTENANCE, AND SERVICE OF NATURAL GAS LINES, VALVES AND OTHER EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE NATURAL GAS.
3. U.S. WEST FOR THE INSTALLATION, MAINTENANCE AND SERVICE OF ALL BURIED AND AERIAL COMMUNICATION LINES AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE COMMUNICATION SERVICES, INCLUDING BUT NOT LIMITED TO ABOVE GROUND PEDESTALS AND CLOSURES.
4. JONES INTERCABLE FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF SUCH LINES, CABLE, AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE CABLE TV SERVICE.

INCLUDED IS THE RIGHT TO BUILD, REBUILD, CONSTRUCT, RECONSTRUCT, LOCATE, RELOCATE. CHANGE, REMOVE, MODIFY, RENEW, OPERATE, AND MAINTAIN FACILITIES FOR THE PURPOSES DESCRIBED ABOVE, TOGETHER WITH FREE ACCESS TO, FROM, AND OVER SAID EASEMENTS, INCLUDING SUFFICIENT WORKING AREA SPACE FOR ELECTRIC TRANSFORMERS, WITH THE RIGHT AND PRIVILEGE TO TRIM AND REMOVE TREES, SHRUBS OR BUSHES WHICH INTERFER WITH THE PURPOSES SET FORTH HEREIN. NO BUILDING, SIGN, POOL (ABOVEGROUND OR SUBSURFACE), HOT TUB, CONCRETE OR WOOD POOL DECKING, OR OTHER STRUCTURE SHALL BE ERECTED OR CONSTRUCTED ON SAID EASEMENTS, NOR SHALL ANY WELL BE DRILLED OR OPERATED THEREON. PROPERTY OWNERS SHALL BE SOLELY RESPONSIBLE FOR CORRECTING ANY VIOLATIONS OF NATIONAL ELECTRICAL SAFETY CODE CAUSED BY CONSTRUCTION OR POOLS, DECKING, OR ANY STRUCTURES ADJACENT TO WITHIN OR NEAR EASEMENTS SHOWN ON THIS PLAT.

FLOOD PLAIN NOTE:

THE SUBJECT PROPERTY IS SHOWN in a Special Flood hazard area ON THE NATIONAL FLOOD INSURANCE PROGRAM "FLOOD INSURANCE RATE MAP", UNTIL SUCH TIME THAT A LOMR IS ~~SUBMITTED AND APPROVED~~ issued BY FEMA, to revise the floodplain FLOOD INSURANCE MAY BE REQUIRED ~~BY THE MORTGAGE~~.

FREE CONSENT AND DEDICATION

THE REPLAT SHOWN HEREON IS WITH THE FREE CONSENT AND IN ACCORDANCE WITH THE DESIRES OF THE UNDERSIGNED OWNER AND/OR PROPRIETOR. EXISTING PUBLIC UTILITY EASEMENTS SHOWN HEREON FOR THE COMMON AND JOINT USE OF GAS, ELECTRICAL POWER AND COMMUNICATION SERVICES FOR BURIED AND/OR OVERHEAD DISTRIBUTION LINES, CONDUITS, AND PIPES FOR UNDERGROUND UTILITIES WHERE SHOWN OR INDICATED, AND INCLUDING THE RIGHT OF INGRESS AND EGRESS FOR CONSTRUCTION AND MAINTENANCE, AND THE RIGHT TO TRIM INTERFERING TREES AND SHRUBS. SAID OWNER AND/OR PROPRIETOR DOES HEREBY CERTIFY THAT THIS SUBDIVISION IS THEIR FREE ACT AND DEED. SAID OWNER AND/OR PROPRIETOR DOES HEREBY GRANT EASEMENT FOR UTILITIES AS SHOWN HEREON WITH SAME STIPULATIONS AS LISTED ABOVE FOR EXISTING UTILITIES.

Fred N. Seeley 10/28/97
FRED N. SEELEY DATE

ACKNOWLEDGEMENT

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 28th DAY OF October, 1997 BY FRED N. SEELEY.

BY Keli D. Cosper MY COMMISSION EXPIRES: February 9, 1999
NOTARY PUBLIC

OFFICIAL SEAL
Keli D. Cosper
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires: February 9, 1999

PLAT OF
TRACT "A"
WEST RIDGE MOBILE HOME PARK
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
OCTOBER 1997

APPROVALS

CITY PLANNER, ALBUQUERQUE PLANNING DIVISION	DATE
CITY ENGINEER	DATE
A.M.A.F.C.A.	DATE 11-04-97
TRAFFIC ENGINEER	DATE 102697
CITY SURVEYOR	DATE
PROPERTY MANAGEMENT	DATE 11-4-97
WATER RESOURCES DEPARTMENT	DATE 11-4-97
DESIGN AND DEVELOPMENT, CIP	DATE
PNM ELECTRIC SERVICES	DATE
PNM GAS SERVICES	DATE
U.S. WEST COMMUNICATIONS	DATE
JONES INTERCABLE, INC.	DATE

FOR RECORDING INFORMATION ONLY	TREASURE'S CERTIFICATE

SURVEYOR'S CERTIFICATE

I, LARRY W. MEDRANO, A REGISTERED PROFESSIONAL SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO, HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY MEETING THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS OF THE CITY OF ALBUQUERQUE SUBDIVISION ORDINANCE AND OF STANDARDS FOR LAND SURVEYS OF THE N.M. BOARD OF REGISTRATION FOR ENGINEERS AND SURVEYORS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT NO ENCROACHMENTS EXIST EXCEPT AS NOTED ABOVE AND THAT ALL IMPROVEMENTS ARE SHOWN IN THEIR CORRECT LOCATION RELATIVE TO RECORD BOUNDARIES AS LOCATED BY THIS SURVEY.

Larry W. Medrano 10/28/97
LARRY W. MEDRANO DATE
N.M.P.S. No. 11993

LAND SURVEYS NEW MEXICO 11993 PROFESSIONAL SURVEYOR

PRECISION SURVEYS, INC.
2929 COORS BLVD NW, SUITE 105 — PHONE 505 839 0569
ALBUQUERQUE, NEW MEXICO 87120 — FAX 505 839 4153

SUBDIVISION DATA:

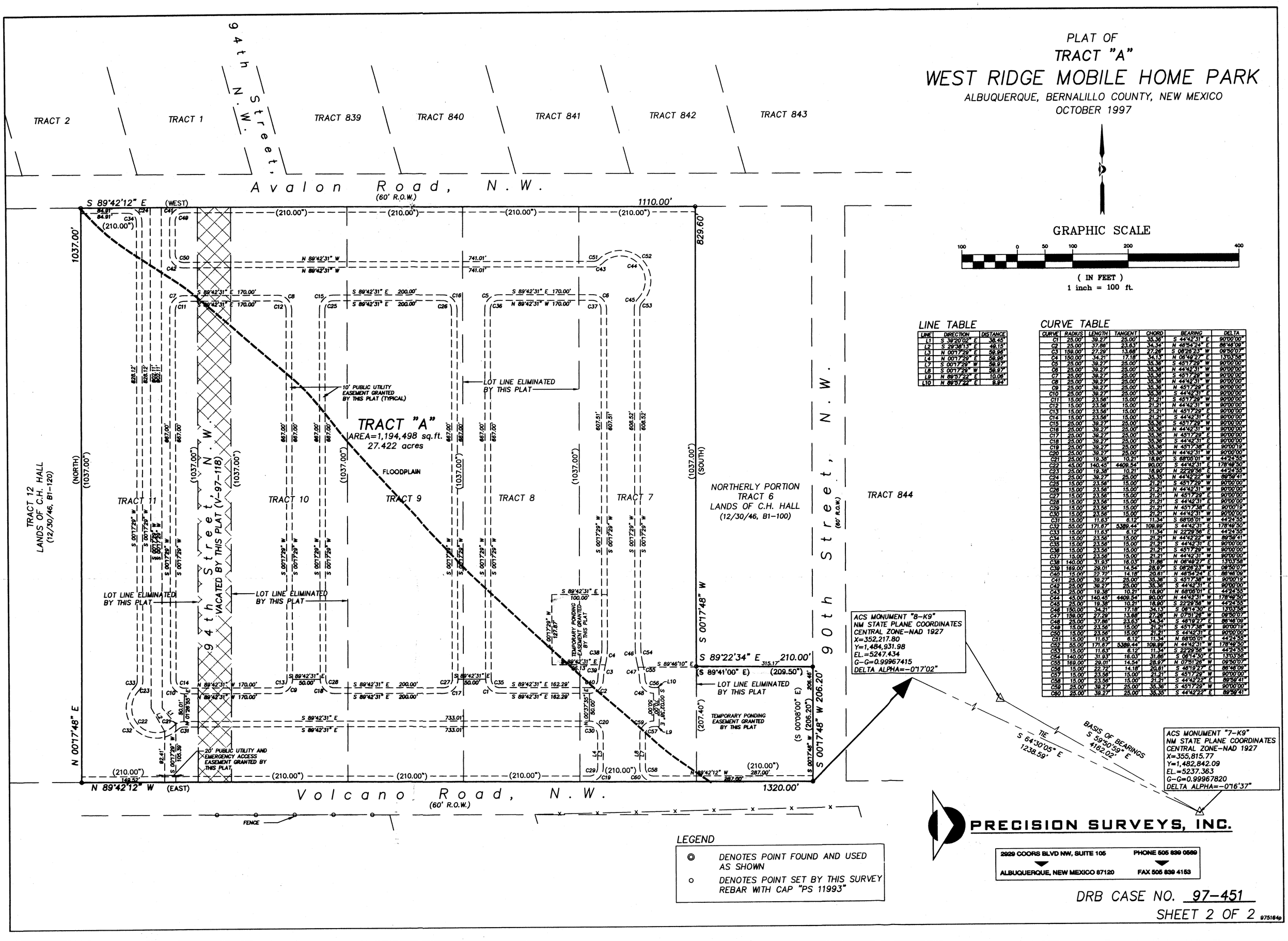
GROSS SUBDIVISION ACREAGE: 27.422 ACRES±
ZONE ATLAS INDEX NO: K-9-Z
NO. OF TRACTS CREATED: 1
NO. OF LOTS CREATED: 0
MILES OF FULL-WIDTH STREETS CREATED: 0
DATE OF SURVEY: SEPTEMBER 8, 1997

NOTES:

1. MISC. DATA: ZONING SU-1
2. BEARINGS SHOWN ARE GRID BEARINGS (NEW MEXICO STATE PLANE CENTRAL ZONE – NAD 1927).
3. ALL DISTANCES ARE GROUND DISTANCES.
4. THIS PROPERTY LIES WITHIN SECTION 21, TOWNSHIP 10 NORTH, RANGE 2 EAST, N.M.P.M., BERNALILLO COUNTY, NEW MEXICO.
5. THE PURPOSE OF THIS PLAT IS TO VACATE A ROAD AND REPLAT THE EXISTING SIX TRACTS INTO ONE NEW TRACT.
6. PLAT SHOWS ALL EASEMENTS OF RECORD.
7. SP NO. 971028085 90138

Z:\PUBLIC\PS-SIR\PLATS\975164P Tue Oct 28 08:25:16 1997

PLAT OF
TRACT "A"
WEST RIDGE MOBILE HOME PARK
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
OCTOBER 1997



LINE TABLE

LINE	DIRECTION	DISTANCE
L1	S 39°20'02" E	38.45'
L2	S 29°38'13" E	49.15'
L3	N 00°17'29" E	59.96'
L4	N 00°17'29" E	59.96'
L7	S 00°17'29" W	59.97'
L8	S 00°17'29" W	59.97'
L9	N 89°57'22" E	10.06'
L10	N 89°57'22" E	9.94'

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	25.00'	39.27'	25.00'	35.36'	S 44°42'31" E	90°00'00"
C2	25.00'	37.86'	23.63'	34.34'	N 46°54'24" E	86°46'09"
C3	159.00'	27.29'	13.68'	27.26'	S 08°26'23" W	09°50'07"
C4	150.00'	34.21'	17.18'	34.13'	N 06°49'27" E	13°03'56"
C5	25.00'	39.27'	25.00'	35.36'	S 45°17'29" W	90°00'00"
C6	25.00'	39.27'	25.00'	35.36'	N 44°42'31" W	90°00'00"
C7	25.00'	39.27'	25.00'	35.36'	S 45°17'29" W	90°00'00"
C8	25.00'	39.27'	25.00'	35.36'	N 44°42'31" W	90°00'00"
C9	25.00'	39.27'	25.00'	35.36'	N 45°17'29" E	90°00'00"
C10	25.00'	39.27'	25.00'	35.36'	S 44°42'31" E	90°00'00"
C11	15.00'	23.56'	15.00'	21.21'	S 45°17'29" W	90°00'00"
C12	15.00'	23.56'	15.00'	21.21'	N 44°42'31" W	90°00'00"
C13	15.00'	23.56'	15.00'	21.21'	N 45°17'29" E	90°00'00"
C14	15.00'	23.56'	15.00'	21.21'	S 44°42'31" E	90°00'00"
C15	25.00'	39.27'	25.00'	35.36'	S 45°17'29" W	90°00'00"
C16	25.00'	39.27'	25.00'	35.36'	N 44°42'31" W	90°00'00"
C17	25.00'	39.27'	25.00'	35.36'	N 45°17'29" E	90°00'00"
C18	25.00'	39.27'	25.00'	35.36'	S 44°42'31" E	90°00'00"
C19	25.00'	39.27'	25.00'	35.36'	N 45°17'38" E	90°00'19"
C20	25.00'	39.27'	25.00'	35.36'	N 44°42'31" W	90°00'00"
C21	25.00'	19.38'	10.21'	18.90'	S 68°05'01" W	44°24'55"
C22	45.00'	140.45'	4409.54'	90.00'	S 44°42'31" E	178°49'50"
C23	25.00'	19.38'	10.21'	18.90'	N 22°29'56" E	44°24'55"
C24	25.00'	39.27'	25.00'	35.36'	N 44°42'22" W	89°59'41"
C25	15.00'	23.56'	15.00'	21.21'	S 45°17'29" W	90°00'00"
C26	15.00'	23.56'	15.00'	21.21'	N 44°42'31" W	90°00'00"
C27	15.00'	23.56'	15.00'	21.21'	N 45°17'29" E	90°00'00"
C28	15.00'	23.56'	15.00'	21.21'	S 44°42'31" E	90°00'00"
C29	15.00'	23.56'	15.00'	21.21'	N 45°17'38" E	90°00'19"
C30	15.00'	23.56'	15.00'	21.21'	N 44°42'31" W	90°00'00"
C31	15.00'	11.63'	6.12'	11.34'	S 68°05'01" E	44°24'55"
C32	55.00'	171.67'	5389.44'	109.99'	S 44°42'31" E	178°49'50"
C33	15.00'	11.63'	6.12'	11.34'	N 22°29'56" E	44°24'55"
C34	15.00'	23.56'	15.00'	21.21'	N 44°42'22" W	89°59'41"
C35	15.00'	23.56'	15.00'	21.21'	S 44°42'31" E	90°00'00"
C36	15.00'	23.56'	15.00'	21.21'	S 45°17'29" W	90°00'00"
C37	15.00'	23.56'	15.00'	21.21'	N 44°42'31" W	90°00'00"
C38	140.00'	31.93'	16.03'	31.86'	N 06°49'27" E	13°03'56"
C39	169.00'	29.01'	14.54'	28.97'	S 08°26'23" W	09°50'07"
C40	15.00'	22.72'	14.18'	20.61'	N 46°54'24" E	86°46'09"
C41	25.00'	39.27'	25.00'	35.36'	S 45°17'38" W	90°00'19"
C42	25.00'	39.27'	25.00'	35.36'	S 44°42'31" E	90°00'00"
C43	25.00'	19.38'	10.21'	18.90'	N 68°05'01" E	44°24'55"
C44	45.00'	140.45'	4409.54'	90.00'	N 44°42'31" W	178°49'50"
C45	25.00'	19.38'	10.21'	18.90'	S 22°29'56" W	44°24'55"
C46	150.00'	34.21'	17.18'	34.13'	S 06°14'30" E	13°03'56"
C47	159.00'	27.29'	13.68'	27.26'	N 07°51'26" W	09°50'07"
C48	25.00'	37.86'	23.63'	34.34'	S 46°18'27" E	86°46'09"
C49	15.00'	23.56'	15.00'	21.21'	S 45°17'38" W	90°00'19"
C50	15.00'	23.56'	15.00'	21.21'	S 44°42'31" E	90°00'00"
C51	15.00'	11.63'	6.12'	11.34'	N 68°05'01" E	44°24'55"
C52	55.00'	171.67'	5389.44'	109.99'	N 44°42'31" W	178°49'50"
C53	15.00'	11.63'	6.12'	11.34'	S 22°29'56" W	44°24'55"
C54	140.00'	31.93'	16.03'	31.86'	S 06°14'30" E	13°03'56"
C55	169.00'	29.01'	14.54'	28.97'	N 07°51'26" W	09°50'07"
C56	15.00'	22.72'	14.18'	20.61'	S 46°18'27" E	86°46'09"
C57	15.00'	23.56'	15.00'	21.21'	S 45°17'29" W	90°00'00"
C58	15.00'	23.56'	15.00'	21.21'	S 44°42'22" E	89°59'41"
C59	25.00'	39.27'	25.00'	35.36'	S 45°17'29" W	90°00'00"
C60	25.00'	39.27'	25.00'	35.36'	S 44°42'22" E	89°59'41"

LEGEND

◎ DENOTES POINT FOUND AND USED AS SHOWN

○ DENOTES POINT SET BY THIS SURVEY REBAR WITH CAP "PS 11993"

PRECISION SURVEYS, INC.
2929 COORS BLVD NW, SUITE 105 — PHONE 505 839 0569
ALBUQUERQUE, NEW MEXICO 87120 — FAX 505 839 4153

DRB CASE NO. 97-451
SHEET 1 OF 2 975164p

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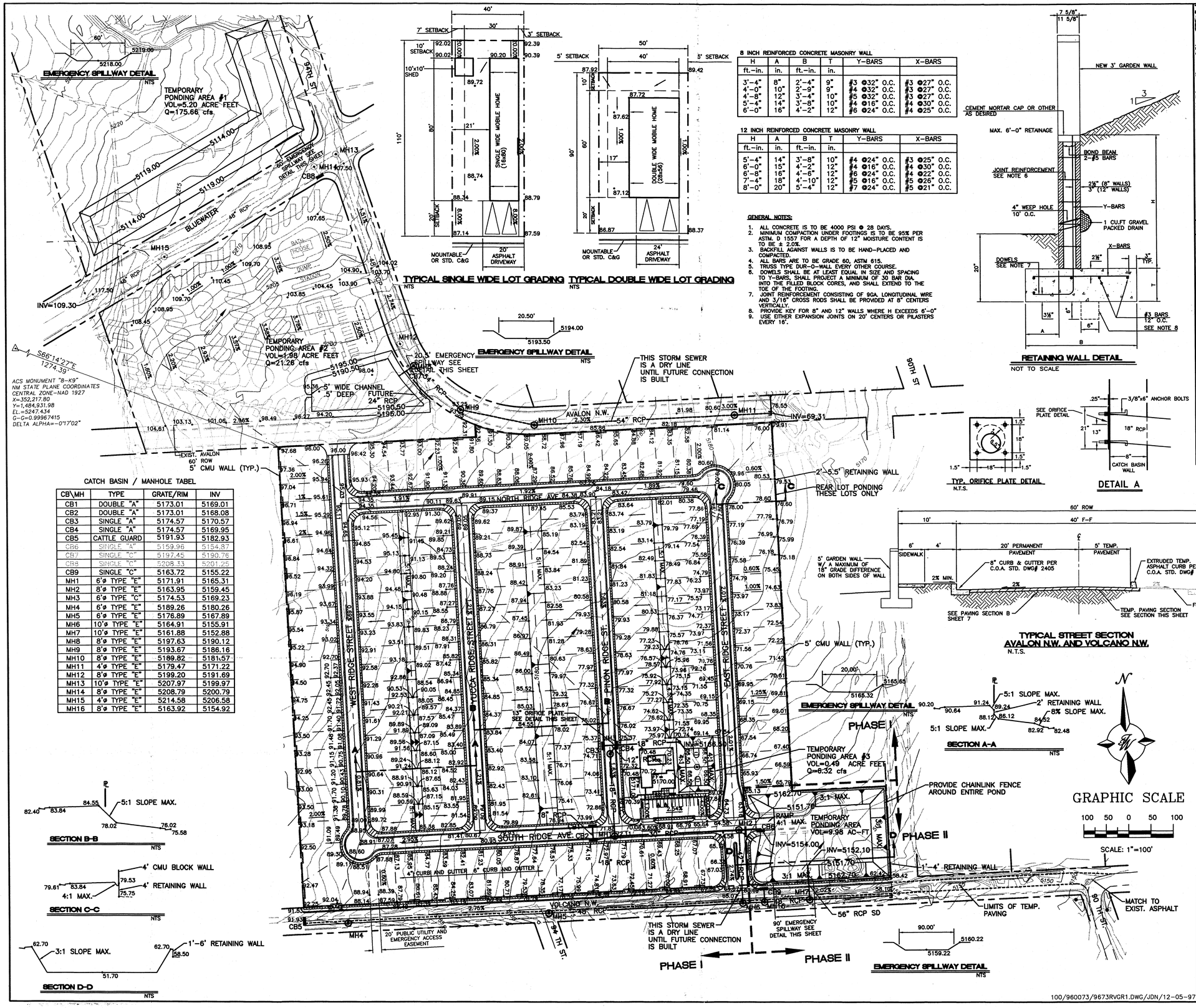


CATCH BASIN / MANHOLE TABEL

CB\MH	TYPE	GRATE/RIM	INV
CB1	DOUBLE "A"	5173.01	5169.01
CB2	DOUBLE "A"	5173.01	5168.08
CB3	SINGLE "A"	5174.57	5170.57
CB4	SINGLE "A"	5174.57	5169.95
CB5	CATTLE GUARD	5191.93	5182.93
CB6	SINGLE "A"	5159.96	5154.87
CB7	SINGLE "D"	5197.45	5190.76
CB8	SINGLE "D"	5208.13	5201.25
CB9	SINGLE "C"	5163.72	5155.22
MH1	6'ø TYPE "E"	5171.91	5165.31
MH2	8'ø TYPE "E"	5163.95	5159.45
MH3	6'ø TYPE "C"	5174.53	5169.23
MH4	6'ø TYPE "E"	5189.26	5180.26
MH5	6'ø TYPE "E"	5176.89	5167.89
MH6	10'ø TYPE "E"	5164.91	5155.91
MH7	10'ø TYPE "E"	5161.88	5152.88
MH8	8'ø TYPE "E"	5197.63	5190.12
MH9	8'ø TYPE "E"	5193.67	5186.16
MH10	8'ø TYPE "E"	5189.82	5181.57
MH11	4'ø TYPE "E"	5179.47	5171.22
MH12	8'ø TYPE "E"	5199.20	5191.69
MH13	10'ø TYPE "E"	5207.97	5199.97
MH14	8'ø TYPE "E"	5208.79	5200.79
MH15	4'ø TYPE "E"	5214.58	5206.58
MH16	8'ø TYPE "E"	5163.92	5154.92

TYPICAL SINGLE WIDE LOT GRADING
NTS

TYPICAL DOUBLE WIDE LOT GRADING
NTS

8 INCH REINFORCED CONCRETE MASONRY WALL

H	A	B	T	Y-BARS	X-BARS
ft.-in.	in.	ft.-in.	in.		
3'-4"	8"	2'-4"	9"	#3 @32" O.C.	#3 @27" O.C.
4'-0"	10"	2'-9"	9"	#4 @32" O.C.	#3 @27" O.C.
4'-8"	12"	3'-4"	10"	#5 @32" O.C.	#3 @27" O.C.
5'-4"	14"	3'-8"	10"	#4 @16" O.C.	#4 @30" O.C.
6'-0"	16"	4'-2"	12"	#6 @24" O.C.	#4 @25" O.C.

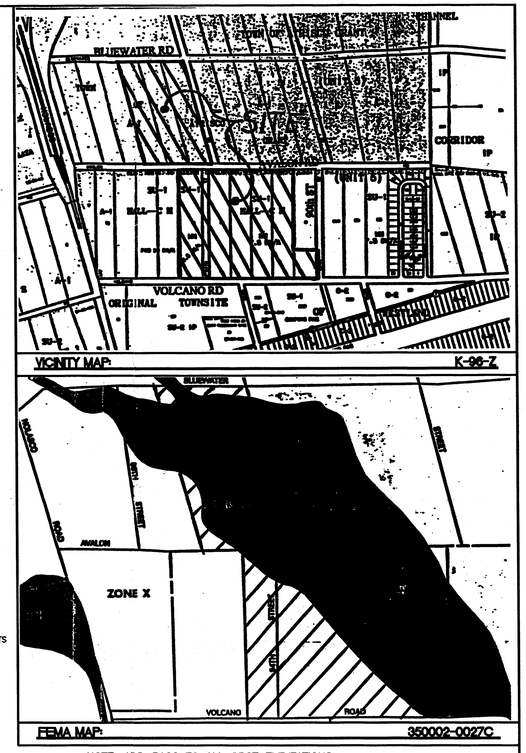
12 INCH REINFORCED CONCRETE MASONRY WALL

H	A	B	T	Y-BARS	X-BARS
ft.-in.	in.	ft.-in.	in.		
5'-4"	14"	3'-8"	10"	#4 @24" O.C.	#3 @25" O.C.
6'-0"	15"	4'-2"	12"	#4 @16" O.C.	#4 @30" O.C.
6'-8"	16"	4'-6"	12"	#6 @24" O.C.	#4 @22" O.C.
7'-4"	18"	4'-10"	12"	#5 @16" O.C.	#5 @26" O.C.
8'-0"	20"	5'-4"	12"	#7 @24" O.C.	#5 @21" O.C.

GENERAL NOTES:

1. ALL CONCRETE IS TO BE 4000 PSI @ 28 DAYS.
2. MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM. D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE ± 2.0%.
3. BACKFILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
4. ALL BARS ARE TO BE GRADE 60, ASTM 615.
5. TRUSS TYPE DUR-O-WALL EVERY OTHER COURSE.
6. DOWELS SHALL BE AT LEAST EQUAL IN SIZE AND SPACING TO Y-BARS, SHALL PROJECT A MINIMUM OF 30 BAR DIA. INTO THE FILLED BLOCK CORES, AND SHALL EXTEND TO THE TOE OF THE FOOTING.
7. JOINT REINFORCEMENT CONSISTING OF 9GA. LONGITUDINAL WIRE AND 3/16" CROSS RODS SHALL BE PROVIDED AT 8" CENTERS VERTICALLY.
8. PROVIDE KEY FOR 8" AND 12" WALLS WHERE H EXCEEDS 6'-0"
9. USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 18'.

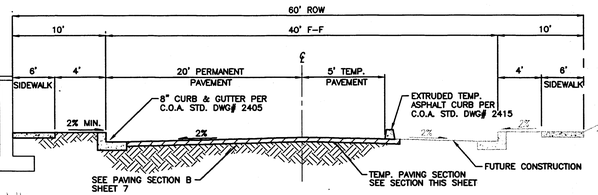
RETAINING WALL DETAIL
NOT TO SCALE



NOTE: ADD 5100 TO ALL SPOT ELEVATIONS

TYP. ORIFICE PLATE DETAIL
N.T.S.

DETAIL A



TYPICAL STREET SECTION
AVALON N.W. AND VOLCANO N.W.
N.T.S.

SECTION A-A
NTS

SECTION B-B
NTS

SECTION C-C
NTS

SECTION D-D
NTS

EROSION CONTROL PLAN NOTES

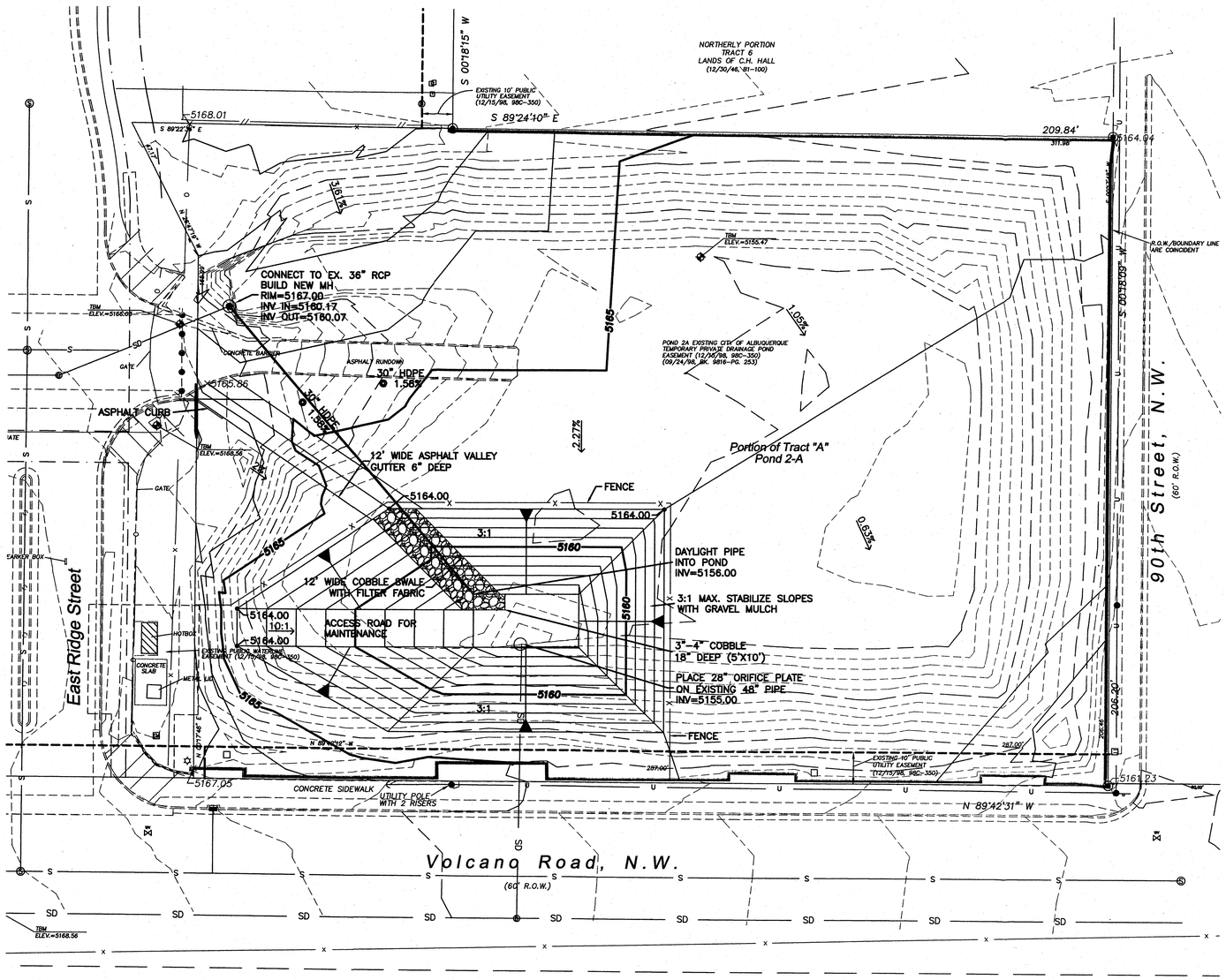
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURBACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.

LEGEND

- EXISTING CURB & GUTTER
- 5005 EXISTING CONTOUR (MAJOR)
- 5004 EXISTING CONTOUR (MINOR)
- BOUNDARY LINE
- PROPOSED STORM DRAIN
- STORM DRAIN (DRY LINE)
- EASEMENT
- FLOOD PLAIN LINE
- DIRECTION OR FLOOD PLAIN
- RETAINING WALL
- CMU PERIMETER WALL
- 5155.60 PROPOSED SPOT ELEVATION
- 5155.60 FUTURE SPOT ELEVATION

ROUGH GRADING APPROVAL

ENGINEER'S SEAL	WEST RIDGE MOBILE HOME PARK	DRAWN BY JDN
	GRADING AND DRAINAGE PLAN	DATE 05-26-97
		9673RVGR.DWG
	TIERRA WEST, LLC 4421 McLEOD ROAD, N.E., SUITE D ALBUQUERQUE, NEW MEXICO 87109 (505)883-7592	SHEET # 3 OF 5
RONALD R. BOHANNAN P.E. #7868		JOB # 960073



LEGEND

	CURB & GUTTER
	BOUNDARY LINE
	EASEMENT
	CENTERLINE
	RIGHT-OF-WAY
	BUILDING
	SIDEWALK
	SCREEN WALL
	RETAINING WALL
5010	CONTOUR MAJOR
5011	CONTOUR MINOR
x 5048.25	SPOT ELEVATION
	FLOW ARROW
	EXISTING CURB & GUTTER
	EXISTING BOUNDARY LINE
5010	EXISTING CONTOUR MAJOR
5011	EXISTING CONTOUR MINOR
x 5048.25	EXISTING SPOT ELEVATION

N

GRAPHIC SCALE

20 10 0 10 20

SCALE: 1"=20'

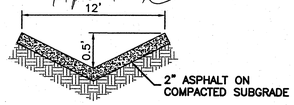
Label cont. Emerg. Overflow

Add Table

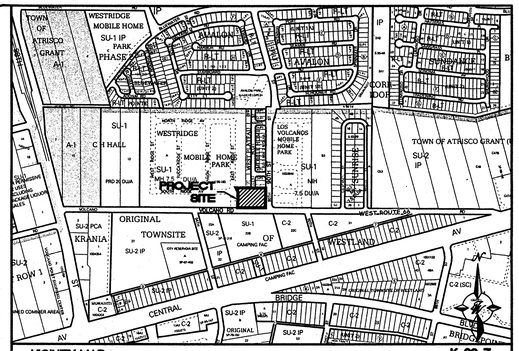
Basin Plan?

Fore Vol & Pond Stage

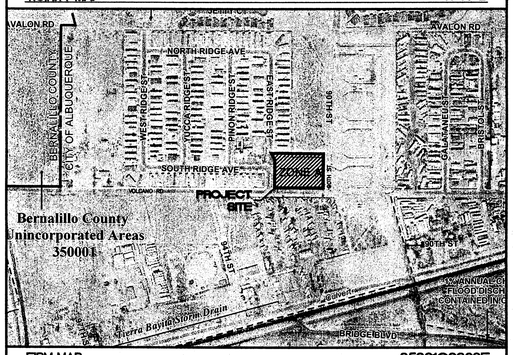
Pipe Height?



VALLEY GUTTER
SC: NTS



VICINITY MAP: K-09-Z



FIRM MAP: 35001C0328E

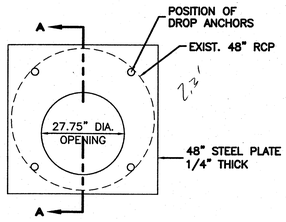
NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HERON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

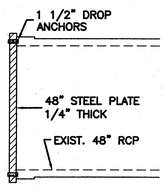
APPROVAL	NAME	DATE
INSPECTOR		

EROSION CONTROL PLAN, NPDES PERMIT AND POLLUTION PREVENTION NOTES

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL STORM RUN OFF ON SITE.
4. REPAIR OF DAMAGED FACILITIES AND CLEAN-UP OF SEDIMENT ACCUMULATION ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.
6. ALL SITES OVER 1 ACRE DISTURBANCE REQUIRE FEDERAL NPDES PERMIT.



ORIFICE PLATE DETAIL
SC: NTS



SECTION A-A
SC: NTS

CAUTION:
ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

ROUGH GRADING APPROVAL DATE

ENGINEER'S SEAL

RONALD R. BOHANNAN P.E. #7868

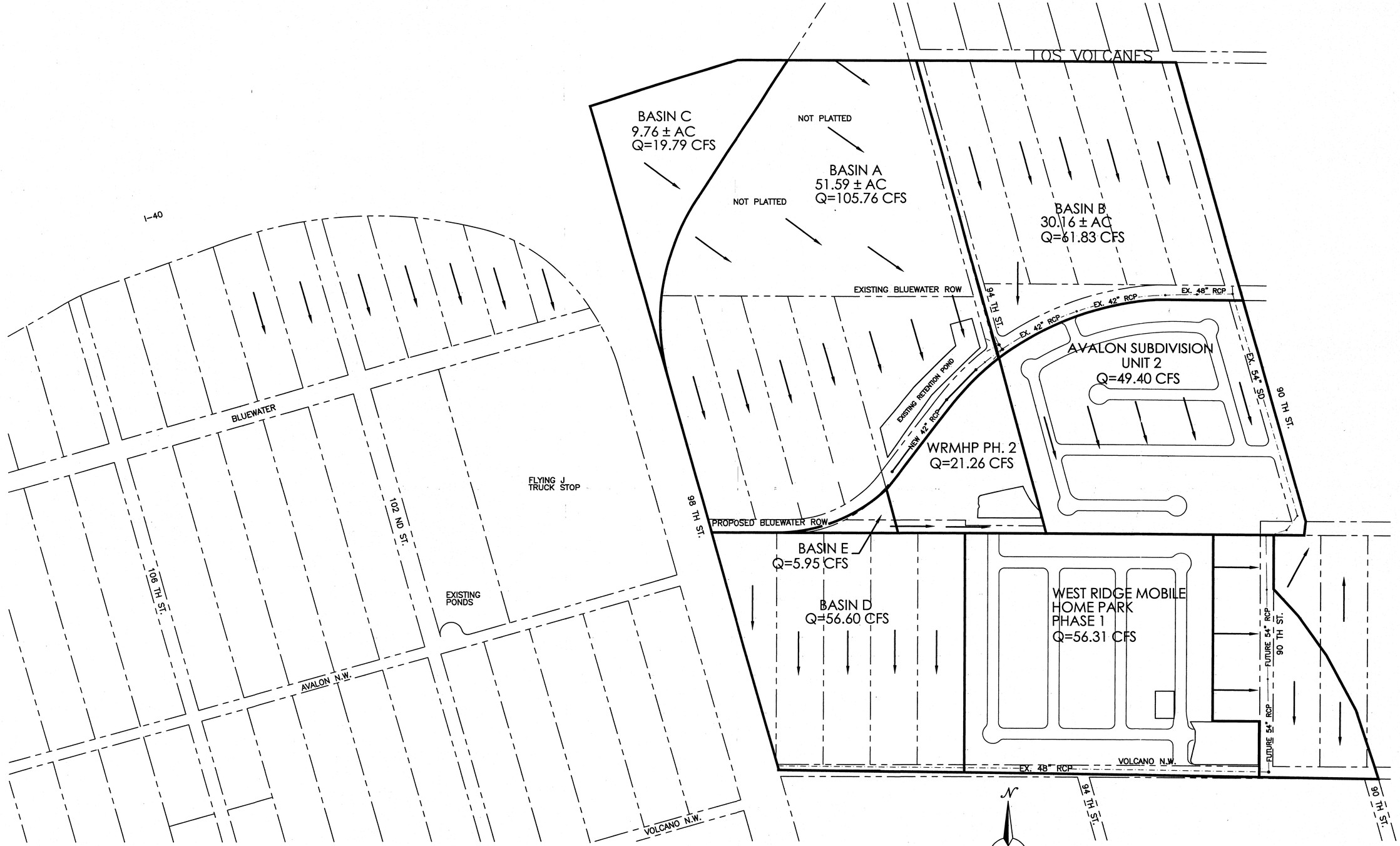
WEST RIDGE
MOBILE HOME PARK
GRADING AND DRAINAGE PLAN

TIERRA WEST, LLC
5571 MIDWAY PARK PLACE NE
ALBUQUERQUE, NM 87109
(505) 858-3100
www.tierrawestllc.com

DRAWN BY	DY
DATE	12/15/12
	27031-GR
SHEET #	C2
JOB #	27031

RECEIVED APR 22 2013 LAND DEVELOPMENT SECTION

RECEIVED
JAN 2 9 2002
HYDROLOGY SECTION



RECEIVED
JAN 2 9 2002
HYDROLOGY SECTION

200/960073/BIGMAP2.DWG/JDN/12-09-97

ENGINEER'S SEAL	WEST RIDGE MOBILE HOME PARK	DRAWN BY WCWJ
		DATE 1-24-02
	FUTURE DEVELOPED BASINS / DRAINAGE MANAGEMENT PLAN	2119BASIN.DWG
	TIERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	SHEET #
RONALD R. BOHANNAN P.E. #7868		JOB # 21019