

CONSTRUCTION PLANS FOR *THE BOULDERS* PHASE III

UTILITY & PAVING IMPROVEMENTS CITY OF ALBUQUERQUE NEW MEXICO FEBRUARY 2014



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UTILITY CONTACT INFORMATION

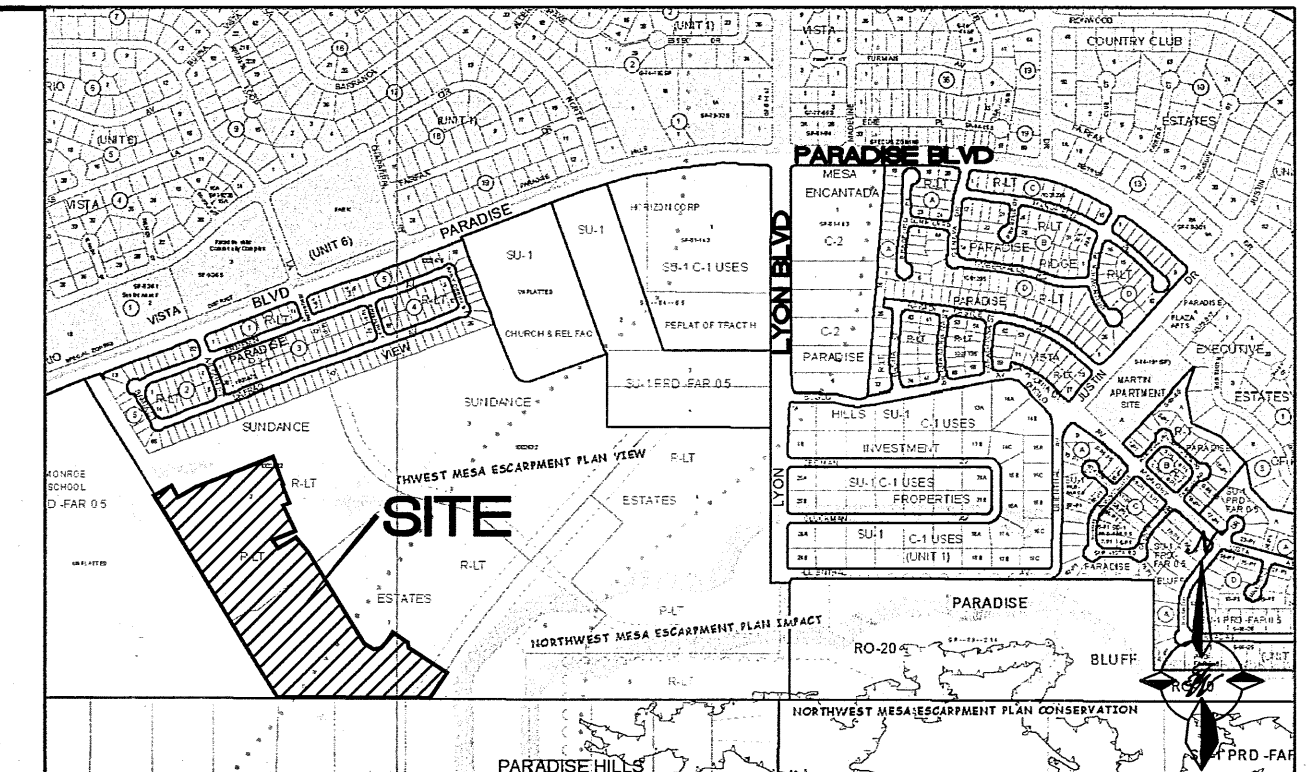
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TONY.MACHAC@PNM.COM

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JOE.HERRERA@NMGC.COM

ROSA KNIFFIN-QWEST
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ROSARTO.KNIFFIN@QWEST.COM

JEREMY HOOVER-ALBUQUERQUE BERNALILLO COUNTY
WATER UTILITY AUTHORITY
768-2598
NHOOVER@ABCWUA.ORG



VICINITY MAP ZONE ATLAS B-10-Z & B-11-Z

NOTICE TO CONTRACTORS

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION (UPDATE #8) TO INCLUDE AMENDMENT #1.
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (280-1990) FOR LOCATION OF EXISTING UTILITIES.
3. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES 24-HOUR CONSTRUCTION.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO(2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO STANDARD SPECIFICATIONS.
6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
7. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THIS PROJECT THAT IS NOT SHOWN ON THE PLAN AND IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT THE DESIGNER'S EXPENSE.
8. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
9. RCP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. MANUFACTURER'S RECOMMENDED JOINT GAP TOLERANCES FOR EACH PIPE SIZE AND TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF PIPE. RCP JOINTS SHALL NOT BE GROUTED UNLESS DIRECTED BY THE ENGINEER AFTER CITY APPROVAL.
10. TWO-WAY TRAFFIC MUST BE MAINTAINED ON UNSER BLVD. AT ALL TIMES.
11. ALL UTILITY WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH ABCWUA SPECIFICATIONS FOR WATER AND WASTEWATER FACILITIES (MOST RECENT REVISIONS).
12. THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF WELL COLLECTORS, TRANSMISSION LINES, OR FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT [HTTP://ABCWUA.ORG/CONTENT/VIEW/463/729/](http://abcwua.org/content/view/full/463/729/).
13. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
14. ELECTRONIC MARKER DEVICES (EMD) WILL BE PLACED ACCORDING TO SECTION 170 OF THE COA STANDARD SPECIFICATIONS, AMENDMENT #1 (TO UPDATE #8).
15. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTED SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE COA.
16. AN SO 19 PERMIT IS REQUIRED TO PLACE ANY MATERIAL ON OR AROUND A STORM DRAIN INLET IN THE CITY RIGHT-OF-WAY THAT WOULD INTERFERE WITH THE INLET RECEIVING STORM WATER PER THE ENGINEER'S DESIGN. CITY PERSONNEL MAY REMOVE THIS MATERIAL AT ANY TIME WITHOUT NOTICE. THE PREFERRED BMP IS TO REMOVE SEDIMENT/POLLUTANTS ON THE PROPERTY WHERE CONSTRUCTION ACTIVITY IS OCCURRING.

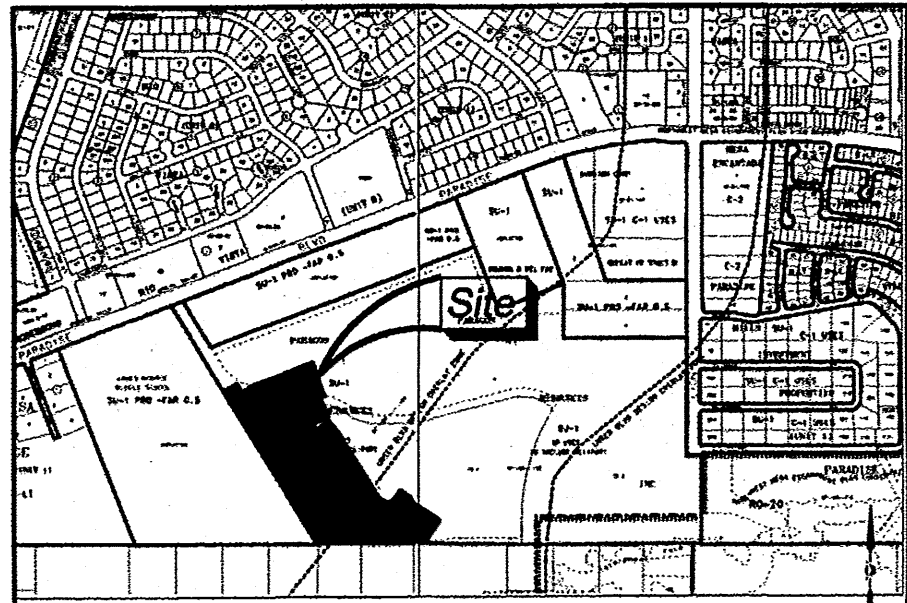
- THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED
- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
 - ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
 - ☒ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE PROJECT ENGINEER.
 - ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
 - ☒ IF CURB IS DERESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
 - ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

DRB NO 1002632

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

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
		DRC Chairman	<i>Michael</i>	3-3-14	APPROVED FOR CONSTRUCTION		
		Transportation	<i>Randy Munoz</i>	2/18/14			
		Water/Wastewater	<i>Randy</i>	2/18/14			
		Hydrology	<i>Randy</i>	2/18/14			
		Constr. Mngmt.			 City Engineer Date 6/10/14		
		Constr. Coord.					
		CITY PROJECT NO.		SHEET			
		761788		1 OF 22			

Elevations are in NGVD 88



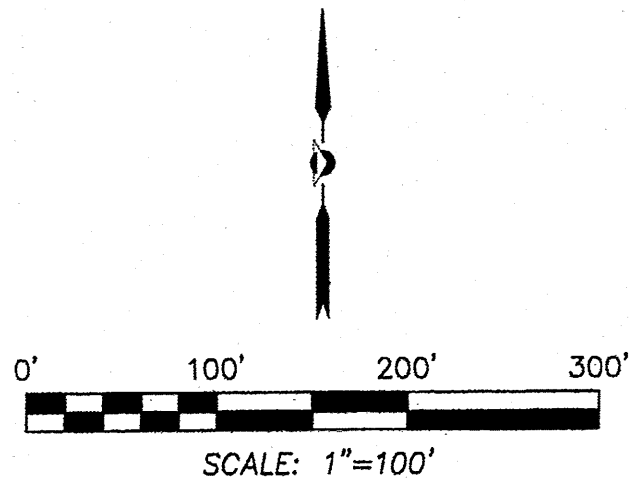
Location Map
Zone Atlas Map No. B-10-Z and B-11-Z

Legal Description

TRACTS LETTERED A-1 AND B-1, OF THE BOULDERS, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, AS THE SAME ARE SHOWN AND DESIGNATED ON THE PLAT THEREOF, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO, ON MARCH 21, 2013, IN PLAT BOOK 2013C, PAGE 23, DOCUMENT NO. 2013031973.

Legend

●	DENOTES POINT FOUND AND USED AS SHOWN
○	POINT SET BY THIS SURVEY - REBAR WITH CAP "PS 11993"
△	CENTERLINE (IN LIEU OF R/W MONUMENTATION) TO BE INSTALLED AT ALL CENTERLINE P.O.S. P.O.S. ANGLE POINTS AND STREET INTERSECTIONS PRIOR TO ACCEPTANCE OF SUBDIVISION STREET IMPROVEMENTS AND WILL CONSIST OF A STANDARD FOUR-INCH (4") ALUMINUM ALLOY CAP STAMPED "CITY OF ALBUQUERQUE, CENTERLINE MONUMENTATION, SURVEY MARKER, DO NOT DISTURB", "PLS# 11993"
---	ROAD CENTERLINE
---	LOT LINE TO BE ELIMINATED BY PLAT
---	PROPERTY LINE
---	EASEMENT LINE
---	ROW LINE
---	LOT LINE
---	ADJOINER PROPERTY LINE
---	EASEMENT TO BE VACATED BY PLAT



City Surveyor Approval

APPROVED FOR MONUMENTATION AND STREET NAMES

CITY SURVEYOR DATE

Owner's Signature

Pierre Amestoy, Jr.
PIERRE AMESTOY, JR. 7-11-13
DATE

Solar Note:

NO PROPERTY WITHIN THE AREA OF REQUESTED FINAL ACTION SHALL AT ANY TIME BE SUBJECT TO A DEED RESTRICTION, COVENANT, OR BINDING AGREEMENT PROHIBITING SOLAR COLLECTORS FROM BEING INSTALLED ON BUILDINGS OR ERECTED ON THE LOTS OF PARCELS WITHIN THE AREA OF THIS PLAT.

Line Table

LINE	BEARING	DISTANCE
L1	N 61°03'47" E	109.05'
L2	S 31°28'53" E	21.84'
L3	N 60°08'50" E	107.05'
L4	S 08°34'28" E	23.52'
L5	S 20°50'51" E	105.00'
L6	S 69°20'22" W	36.27'
L7	S 68°22'20" W	120.52'
L8	N 58°31'07" E	110.99'
L9	S 39°30'07" E	102.50'
L10	S 31°23'59" E	103.50'
L11	S 33°37'18" E	49.03'
L12	S 59°18'00" E	58.45'
L13	N 81°07'12" E	37.56'
L14	N 42°29'29" E	43.96'
L15	N 33°40'13" E	60.23'
L16	S 55°48'27" E	95.12'
L17	S 56°34'52" E	46.00'

Curve Table

CURVE	RADIUS	ARC LENGTH	TANGENT	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	6124.95'	143.42'	71.72'	1°56'12"	S 32°58'00" W	143.42'
C2	5000.13'	30.87'	15.44'	0°21'13"	S 32°16'58" W	30.87'
C3	278.00'	46.53'	23.32'	9°35'23"	S 26°41'11" E	46.48'
C4	477.00'	53.71'	26.88'	6°27'07"	S 34°42'27" E	53.68'
C5	20.00'	31.26'	1984"	89°32'33"	S 11°00'11" E	28.17'

Tract Designations

TRACT/ PARCEL	USE/DESCRIPTION	OWNERSHIP	MAINTENANCE RESPONSIBILITY
A	PUBLIC ACCESS/PUBLIC UTILITY	HOMEOWNERS ASSOCIATION	HOA/COA UTILITIES
B	PUBLIC DRAINAGE	HOMEOWNERS ASSOCIATION	COA DRAINAGE
C	LANDSCAPE	HOMEOWNERS ASSOCIATION	HOMEOWNERS ASSOCIATION

Zoning Data:

CURRENT ZONING: RL2

ALL OPEN SPACE REQUIREMENTS ARE MET ON THE LOT WITH THE DWELLING PER THE PROVISIONS OF SECTION 14-16-3-8 (A)(1)

Paradise Boulevard, NW
(100' ROW)

Big Rock Drive, N.W.

Samia Street, N.W.

PARADISE VIEW SUBDIVISION
(11/18/2005, 2005C-373)

Mafrag Avenue, NW

Geode Road, N.W.

Geode Road, N.W.

Geode Road, N.W.

Geode Road, N.W.

Geode Road, N.W.

Geode Road, N.W.

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Geode Road, N.W.

Geode Road, N.W.

Geode Road, N.W.

Geode Road, N.W.

A.C.S. MONUMENT "12-B10"
STANDARD A.C.S. BRASS TABLET
(FOUND IN PLACE)
NEW MEXICO STATE PLANE COORDINATES
(CENTRAL ZONE-N.A.D. 1983)
N=1,525,970.149
E=1,499,795.482
EL=5402.529
GROUND TO GRID FACTOR=0.999588179
DELTA ALPHA ANGLE=0°16'16.50"

A.C.S. MONUMENT "11-B11"
STANDARD A.C.S. BRASS TABLET
(FOUND IN PLACE)
NEW MEXICO STATE PLANE COORDINATES
(CENTRAL ZONE-N.A.D. 1983)
N=1,528,350.344
E=1,504,957.688
EL=5348.50-NGVD 1988
GROUND TO GRID FACTOR=0.999589122
DELTA ALPHA ANGLE=0°15'40.85"

Preliminary Plat of The Boulders Phase 3

Albuquerque, Bernalillo County, New Mexico
July 2013

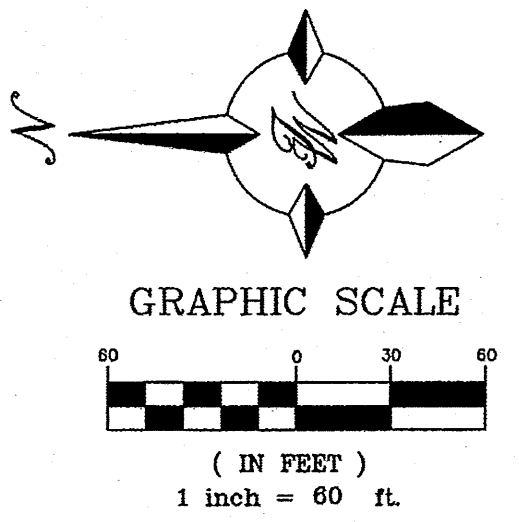
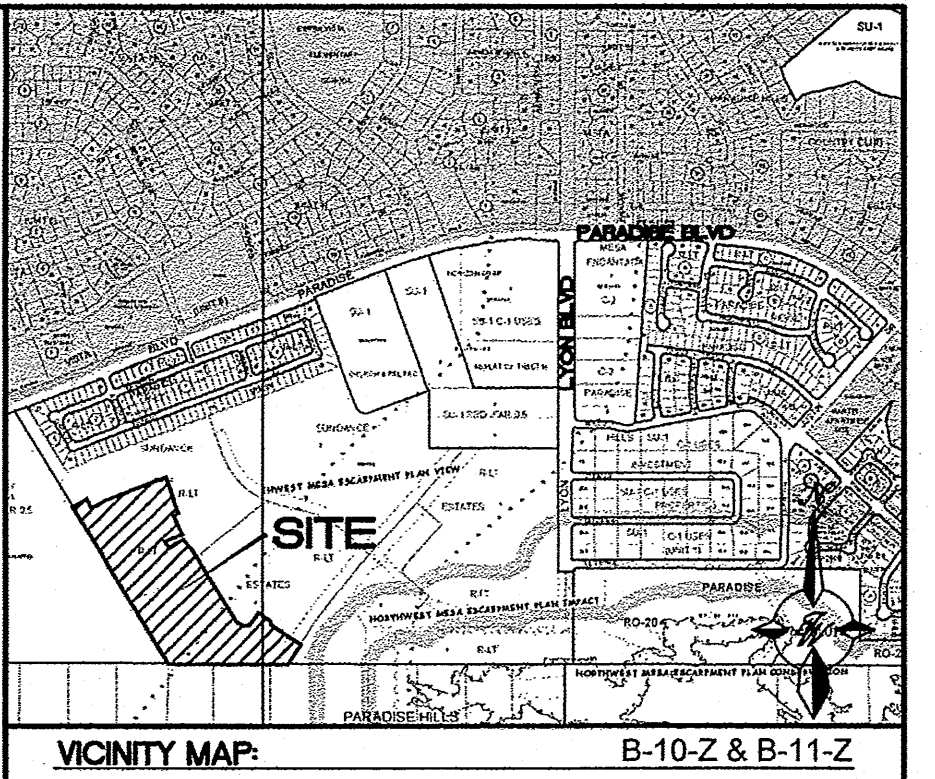
Notes:

- UNLESS OTHERWISE NOTED ALL BOUNDARY CORNERS SHOWN THUS ● SHALL BE MARKED BY A #4 REBAR W/YELLOW PLASTIC CAP STAMPED PS "11993".
- ALL STREET CENTERLINE MONUMENTATION SHALL BE INSTALLED AT ALL CENTERLINE P.O.S., P.T.S. ANGLE POINTS, AND STREET INTERSECTIONS AND SHOWN THUS △. WILL BE MARKED BY A FOUR INCH (4") ALUMINUM CAP STAMPED "CITY OF ALBUQUERQUE, CENTERLINE MONUMENTATION MARKED, DO NOT DISTURB, PS "11993".
- BOUNDARY SHALL BE TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM AS SHOWN.
- BASIS OF BEARING SHALL BE NEW MEXICO STATE PLANE GRID BEARINGS.
- ALL DISTANCES SHALL BE GROUND DISTANCES.
- MANHOLES WILL BE OFFSET AT ALL POINTS OF CURVATURE, POINTS OF TANGENCY, STREET INTERSECTIONS, AND ALL OTHER ANGLE POINTS TO ALLOW USE OF CENTERLINE MONUMENTATION.
- MINIMUM LOT SIZE 4000 SF; MINIMUM LOT WIDTH 40'
- ALL RIGHT OF WAY CURB RETURN RADII ARE 20' UNLESS OTHERWISE SHOWN
- THERE IS A 10' PUBLIC UTILITY EASEMENT ADJACENT TO ALL ROW LINES TO BE GRANTED BY PLAT.

**PRECISION
SURVEYS, INC.**

OFFICE LOCATION:
5571 Midway Park Place, NE
Albuquerque, NM 87109
MAILING ADDRESS:
PO Box 90636
Albuquerque, NM 87199
856.442.8011 TOLL FREE
505.856.5700 PHONE
505.856.7900 FAX

A.C.S. MONUMENT "11_B11"
STANDARD A.C.S. BRASS TABLET
(FOUND IN PLACE)
NEW MEXICO STATE PLANE COORDINATES
(CENTRAL ZONE-N.A.D. 1983)
N=1,528,350.344
E=1,504,957.688
EL=5348.50-NGVD 1988
GROUND TO GRID FACTOR=0.999669122
DELTA ALPHA ANGLE=-0°15'40.95"



LEGEND

- CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- CENTERLINE
- RIGHT-OF-WAY
- PHASE LINE
- SIDEWALK
- RETAINING WALL
- SCREEN 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
- EXISTING RIPRAP

NOTE:
ALL CURB & GUTTER FOR PHASE 3 ARE STANDARD
CURB & GUTTER PER COA STD DWG 2415A



SEE SHEET 2 FOR RETAINING WALL ELEVATIONS

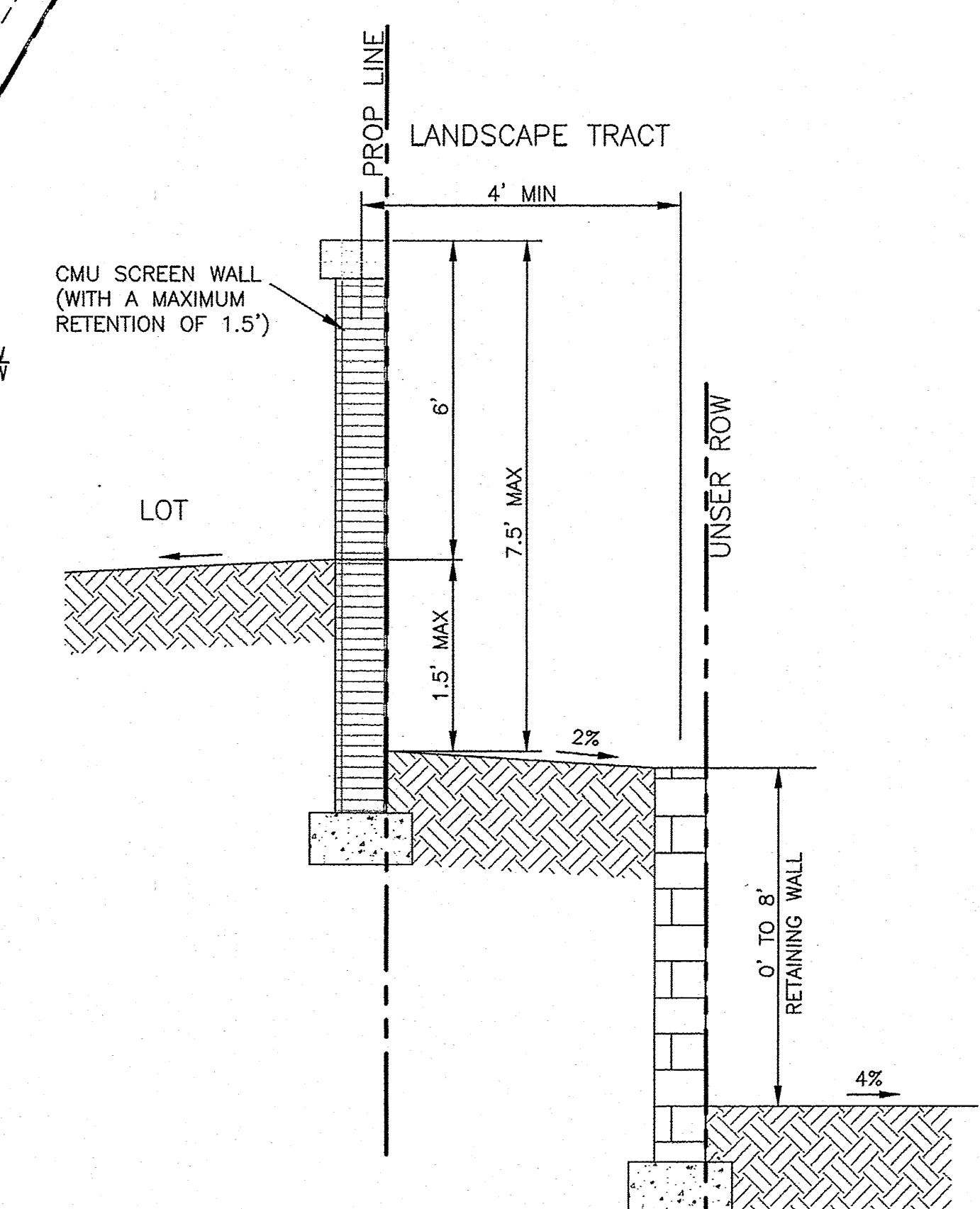
EXISTING DRAINAGE POND AND
OVERFLOW CONSTRUCTED WITH COA
PROJECT NO 682382
EXISTING CITY OF ALBUQUERQUE
EASEMENT (BY PLAT FILED 12/31/2008,
BOOK 2008C, PAGE 266)

FOR REFERENCE
ONLY

	THE BOULDERS PHASE 3		DRAWN BY DY
	GRADING AND DRAINAGE PLAN		DATE 2-12-14
	TERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505) 858-3100 terrawestllc.com		DRAWING GRADING-PH 3
			SHEET # 1
			JOB # 2011005



- LEGEND**
- CURB & GUTTER
 - BOUNDARY LINE
 - EASEMENT
 - CENTERLINE
 - RIGHT-OF-WAY
 - BUILDING
 - SIDEWALK
 - RETAINING WALL
 - SCREEN WALL
 - EXISTING CURB & GUTTER
 - EXISTING BOUNDARY LINE
 - EXISTING RIPRAP

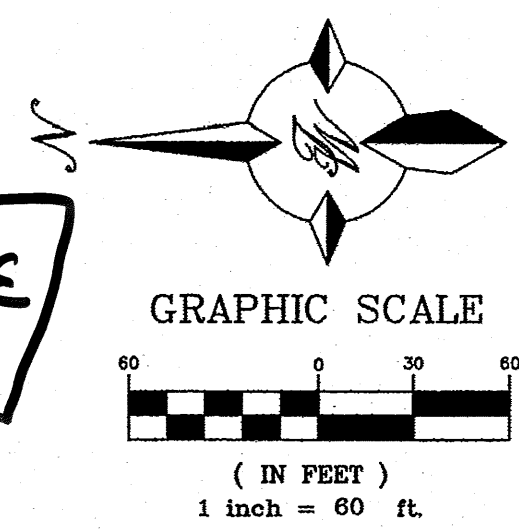


NOTE
GARDEN WALL IS ON PROPERTY LINE AND RETAINING WALL
IS OFFSET 4' (MIN) CENTER TO CENTER.

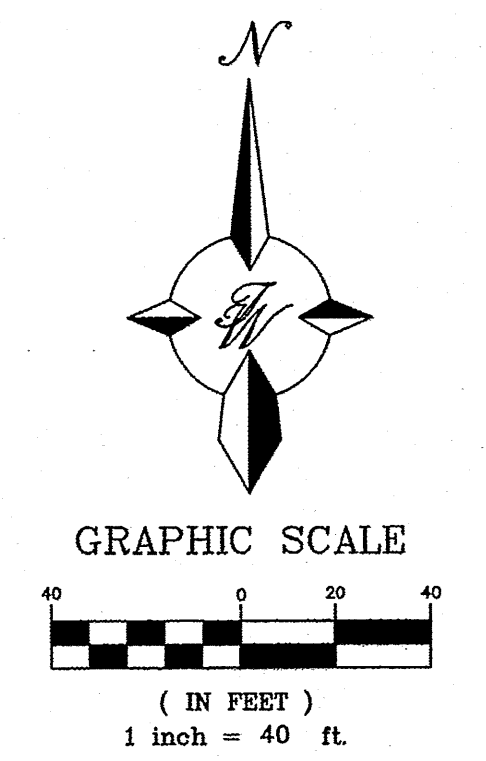
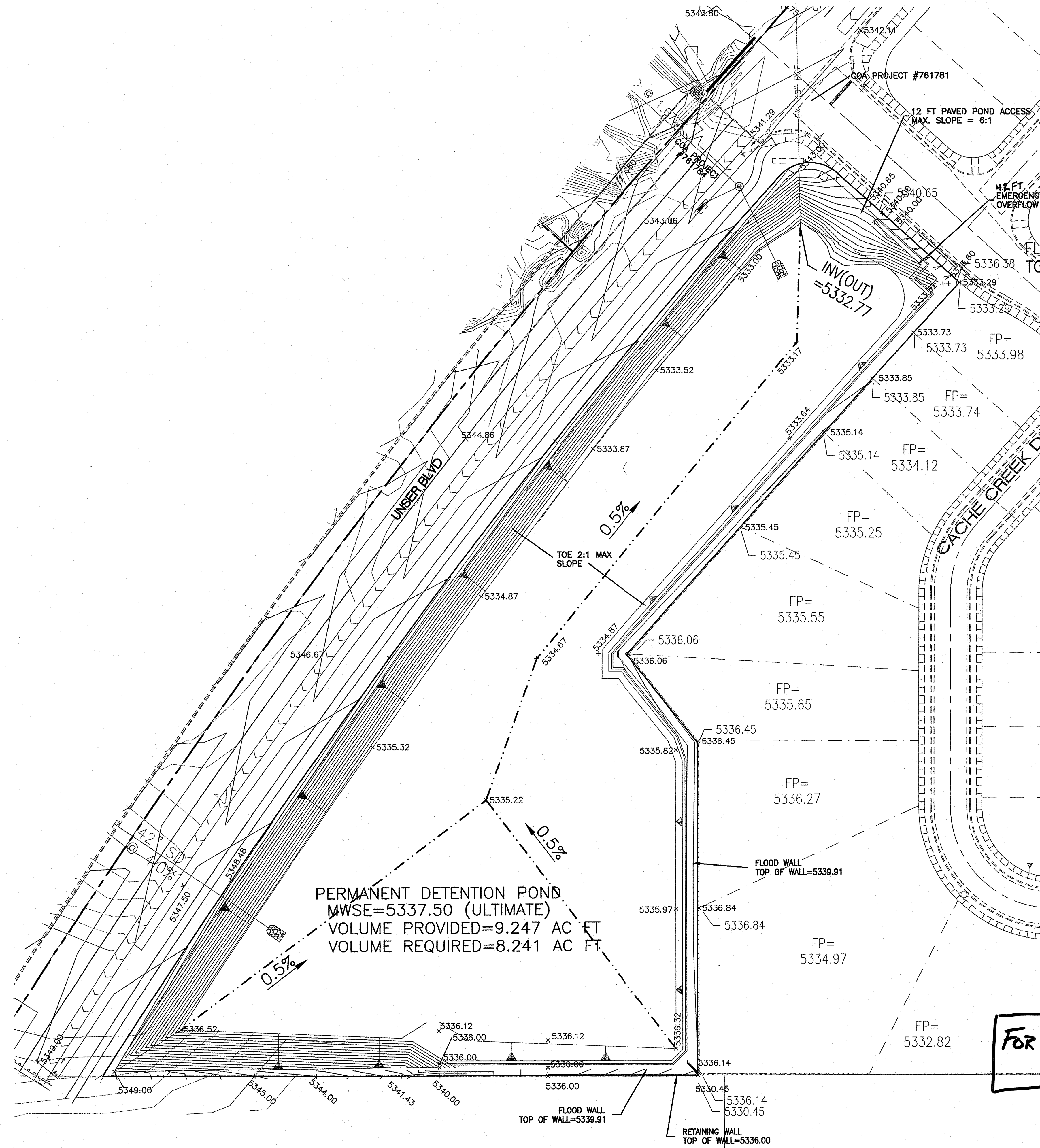
STEPPED RETAINING WALL W/ SCREEN WALL DETAIL

NTS

FOR REFERENCE
ONLY



ENGINEER'S SEAL VINCENT P. CARRICA P.E. #16212	THE BOULDERS PHASE 3	DRAWN BY DY
	RETAINING WALLS	DATE 2-12-14
TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505) 858-3100 tierrawestllc.com		DRAWING OVERALL GRADING
		SHEET # 2
		JOB # 2011005

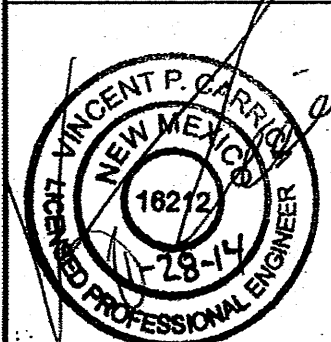


LEGEND

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

ROUGH GRADING APPROVAL _____ DATE _____

FOR REFERENCE ONLY

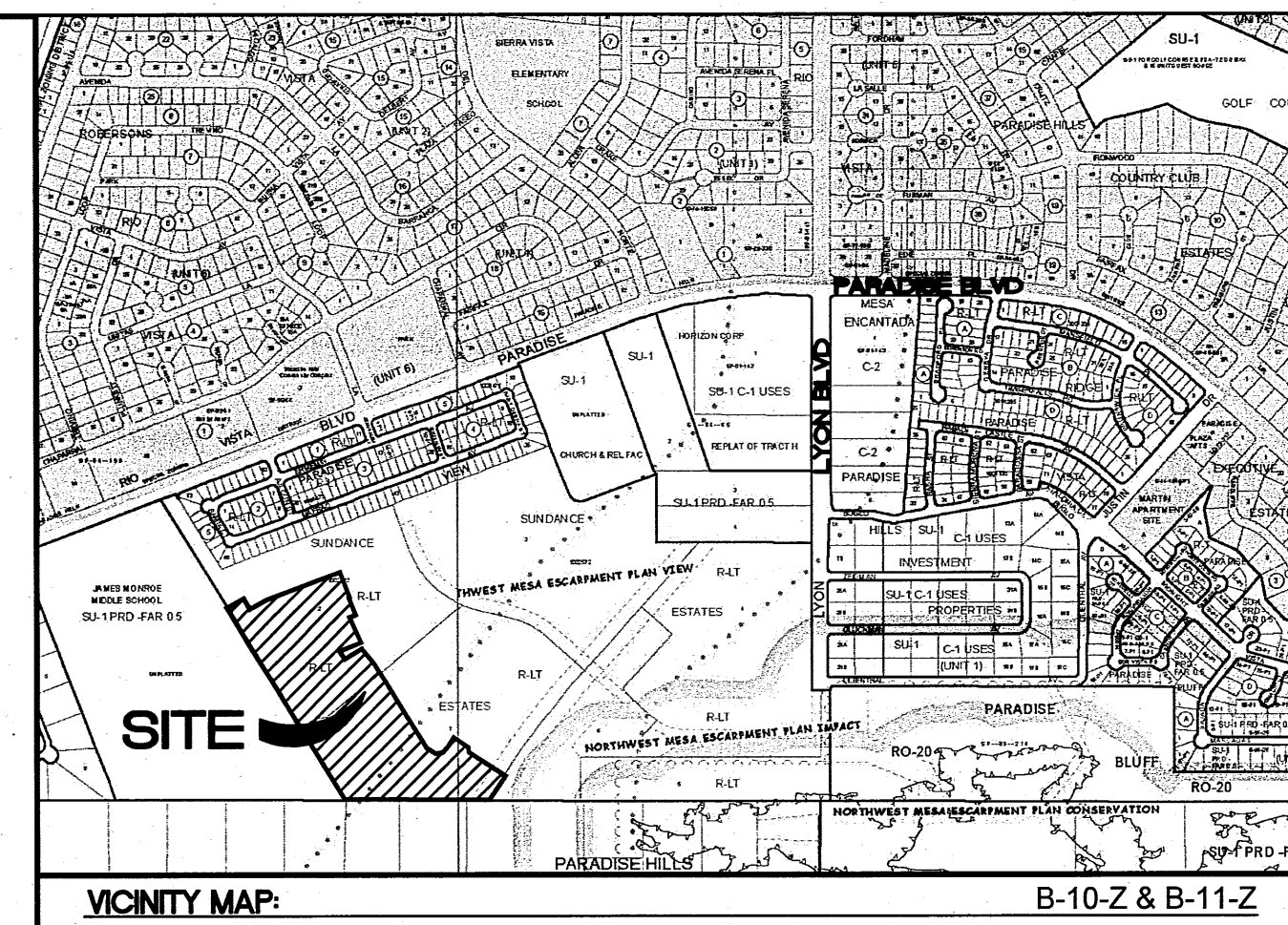
ENGINEER'S SEAL		THE BOULDERS PHASE 3		DRAWN BY DY
		TRACT 6A GRADING AND DRAINAGE PLAN		DATE 1-27-14
				Offsite-Pond
		TERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505)856-3100 tierrawestllc.com		SHEET # 3
VINCENT P. CARRICA P.E. #16212				JOB # 2011005

LINE TABLE		
LINE	BEARING	LENGTH
L44	S20°39'38"E	30.75
L45	S31°28'53"E	190.97
L46	S35°44'11"E	174.18
L47	S31°28'53"E	13.75
L48	S31°28'53"E	356.52
L49	S0°10'05"W	79.33
L51	N58°31'07"E	132.08
L52	N58°31'07"E	256.00
L54	N41°46'04"E	31.08
L55	N41°56'40"E	1570.71

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C3	10°49'15"	250.00	47.21
C43	3°49'21"	500.00	33.36
C44	58°21'01"	100.00	101.84
C45	57°26'50"	100.00	100.26
C46	1°02'56"	5340.99	97.76
C47	10°49'15"	350.00	66.10
C48	10°49'15"	350.00	66.10
C49	8°27'45"	500.00	73.85
C50	4°12'27"	150.00	11.02
C51	31°38'59"	150.00	82.86
C52	90°25'10"	20.00	31.56
C53	88°06'44"	20.17	31.02
C54	90°00'00"	20.00	31.42
C55	90°00'00"	20.00	31.42
C56	3°30'20"	750.00	45.89

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C57	4°15'18"	150.00	11.14
C58	88°56'42"	20.00	31.05
C59	90°00'02"	20.00	31.42
C60	90°00'00"	20.00	31.42
C61	90°00'00"	20.00	31.42
C62	89°1'01"	20.00	31.13
C63	90°11'25"	20.00	31.48
C64	90°00'00"	20.00	31.42
C65	85°48'42"	20.00	29.95
C66	85°45'16"	20.00	29.93
C67	90°00'00"	20.00	31.42
C72	8°37'54"	5051.00	760.94
C73	8°38'10"	5013.00	755.60
C76	10°32'48"	5000.00	920.38

	EXISTING CURB & GUTTER
	STANDARD CURB & GUTTER
	BOUNDARY LINE
	EXISTING BOUNDARY LINE
	CENTERLINE
	RIGHT-OF-WAY
	LOT LINES
	EXISTING SIDEWALK
	PROPOSED SIDEWALK
	SIDEWALK TO BE DEFERRED
	EXISTING PAVED TRAIL
	PAVED TRAIL
	PROPOSED RETAINING WALL
	PROPOSED SCREEN WALL
	STREET LIGHTS (7)

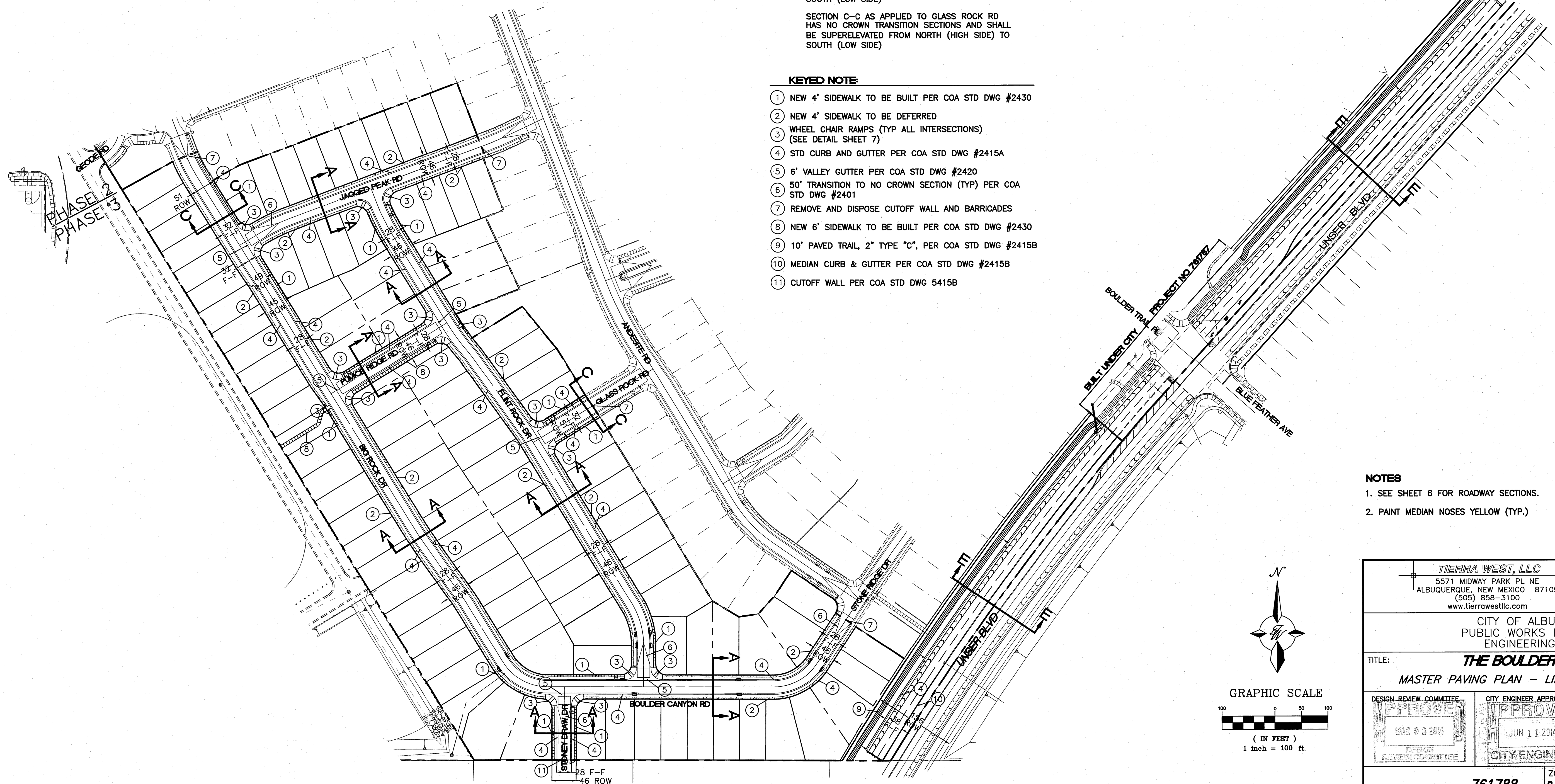


NOTE

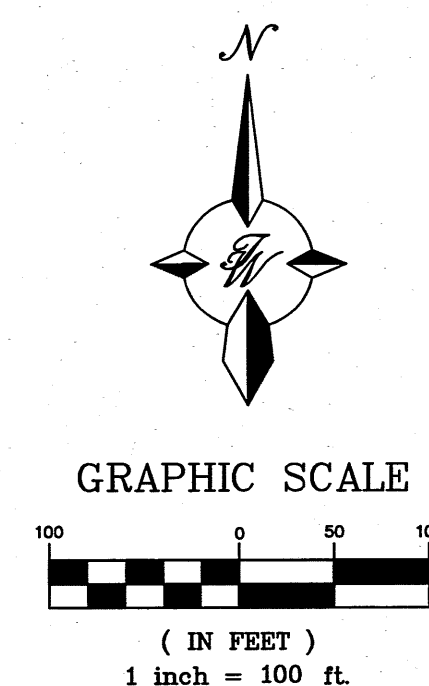
SECTION A-A AS APPLIED TO PUMMICE RIDGE RD HAS NO CROWN TRANSITION SECTIONS AND SHALL BE SUPERELEVATED FROM NORTH (HIGH SIDE) TO SOUTH (LOW SIDE)

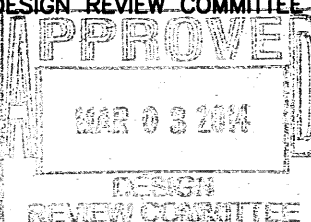
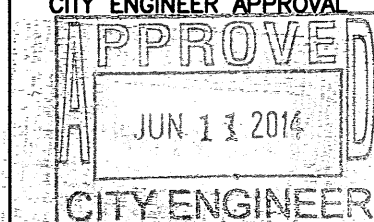
SECTION C-C AS APPLIED TO GLASS ROCK RD HAS NO CROWN TRANSITION SECTIONS AND SHALL BE SUPERELEVATED FROM NORTH (HIGH SIDE) TO SOUTH (LOW SIDE)

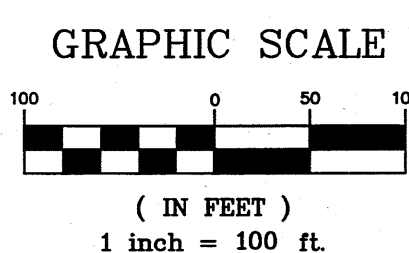
- (1) NEW 4' SIDEWALK TO BE BUILT PER COA STD DWG #2430
- (2) NEW 4' SIDEWALK TO BE DEFERRED
- (3) WHEEL CHAIR RAMPS (TYP ALL INTERSECTIONS)
(SEE DETAIL SHEET 7)
- (4) STD CURB AND GUTTER PER COA STD DWG #2415A
- (5) 6' VALLEY GUTTER PER COA STD DWG #2420
- (6) 50' TRANSITION TO NO CROWN SECTION (TYP) PER COA
STD DWG #2401
- (7) REMOVE AND DISPOSE CUTOFF WALL AND BARRICADES
- (8) NEW 6' SIDEWALK TO BE BUILT PER COA STD DWG #2430
- (9) 10' PAVED TRAIL, 2" TYPE "C", PER COA STD DWG #2415E
- (10) MEDIAN CURB & GUTTER PER COA STD DWG #2415B
- (11) CUTOFF WALL PER COA STD DWG 5415B

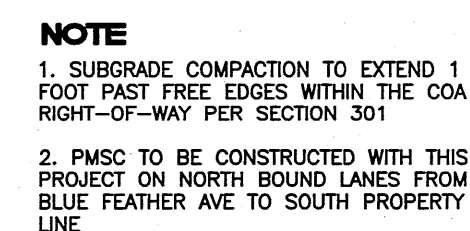
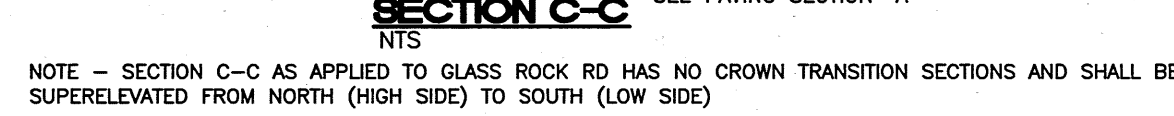
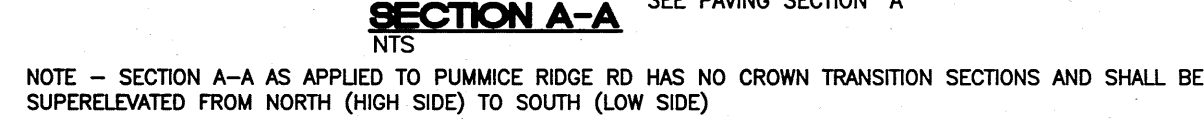


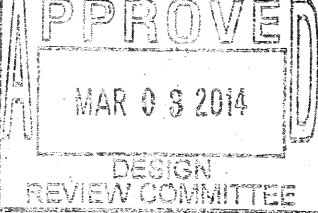
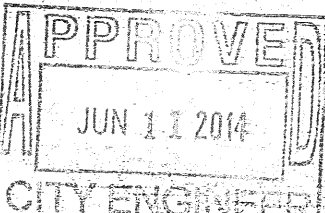
1. SEE SHEET 6 FOR ROADWAY SECTIONS
2. PAINT MEDIAN NOSES YELLOW (TYP.)

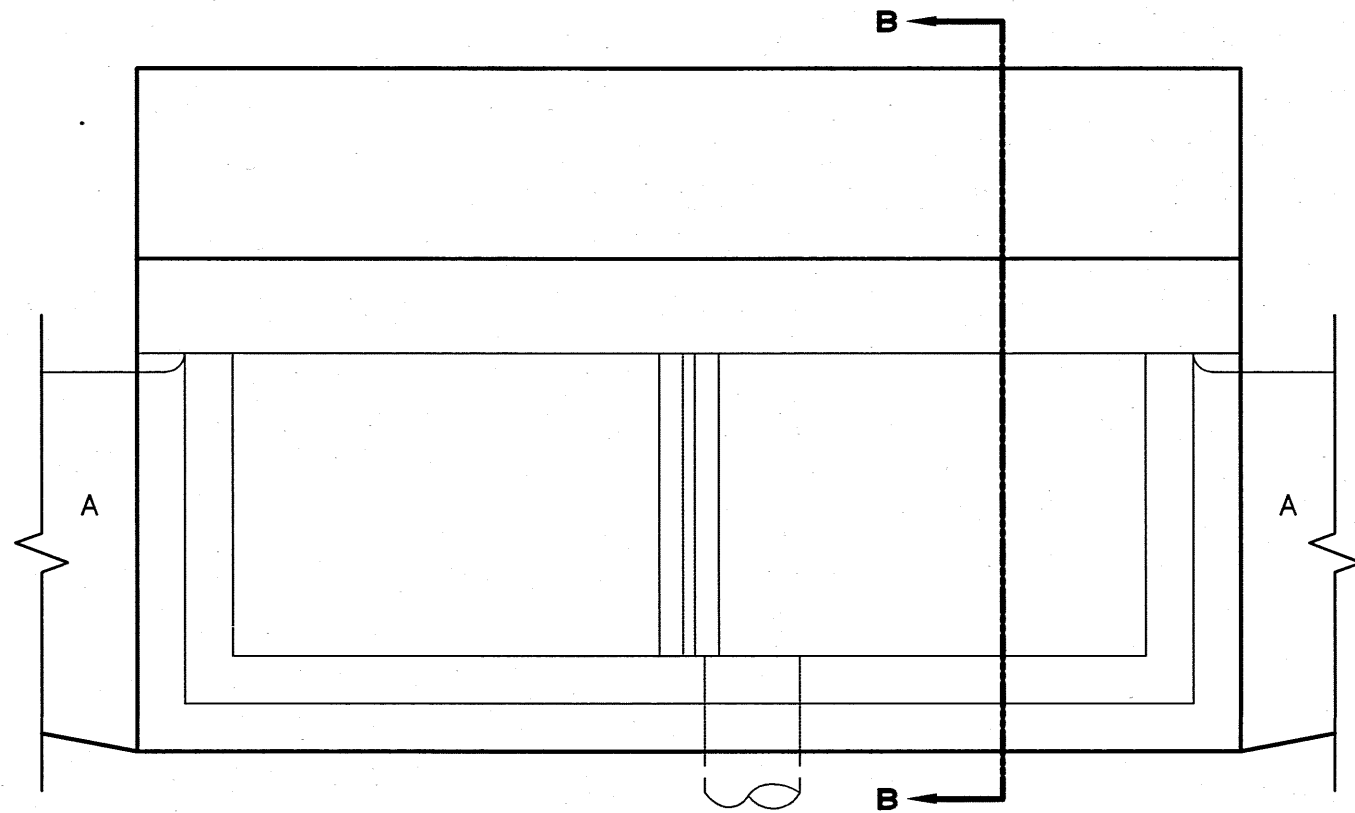


 Tierra West, LLC 5571 MIDWAY PARK PL NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrawestllc.com				DRAWN BY:		CHECKED BY:		
				NO.				
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP								
TITLE: <i>THE BOULDERS PHASE 3</i> <i>MASTER PAVING PLAN – LINE AND CURVE TABLES</i>								
DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL		LAST DESIGN UPDATE	MO./DAY/YR.		MO./DAY/YR.	
								
761788		ZONE MAP NO. 8-10-Z & 8-11-Z		SHEET	4		OF 22	

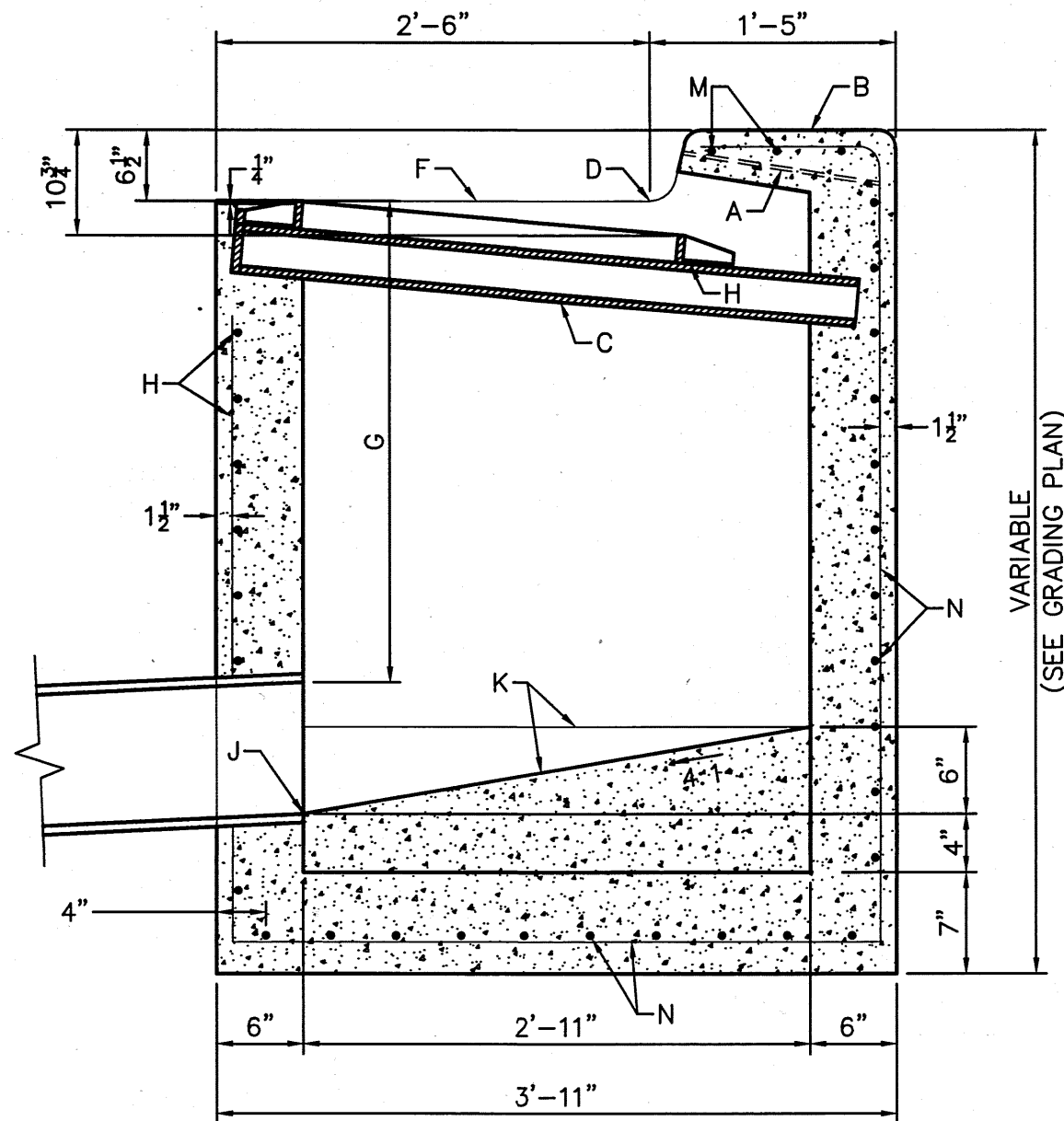


[illegible]

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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP									
TITLE: <i>THE BOULDERS PHASE 3</i> <i>PAVING DETAILS AND STREET SECTIONS</i>									
DESIGN REVIEW COMMITTEE 		CITY ENGINEER APPROVAL 		LAST DESIGN UPDATE	MO./DAY/YR.		MO./DAY/YR.		
761788				ZONE MAP NO. <i>B-10-Z & B-11-Z</i>		SHEET		OF	
						6		22	



PLAN



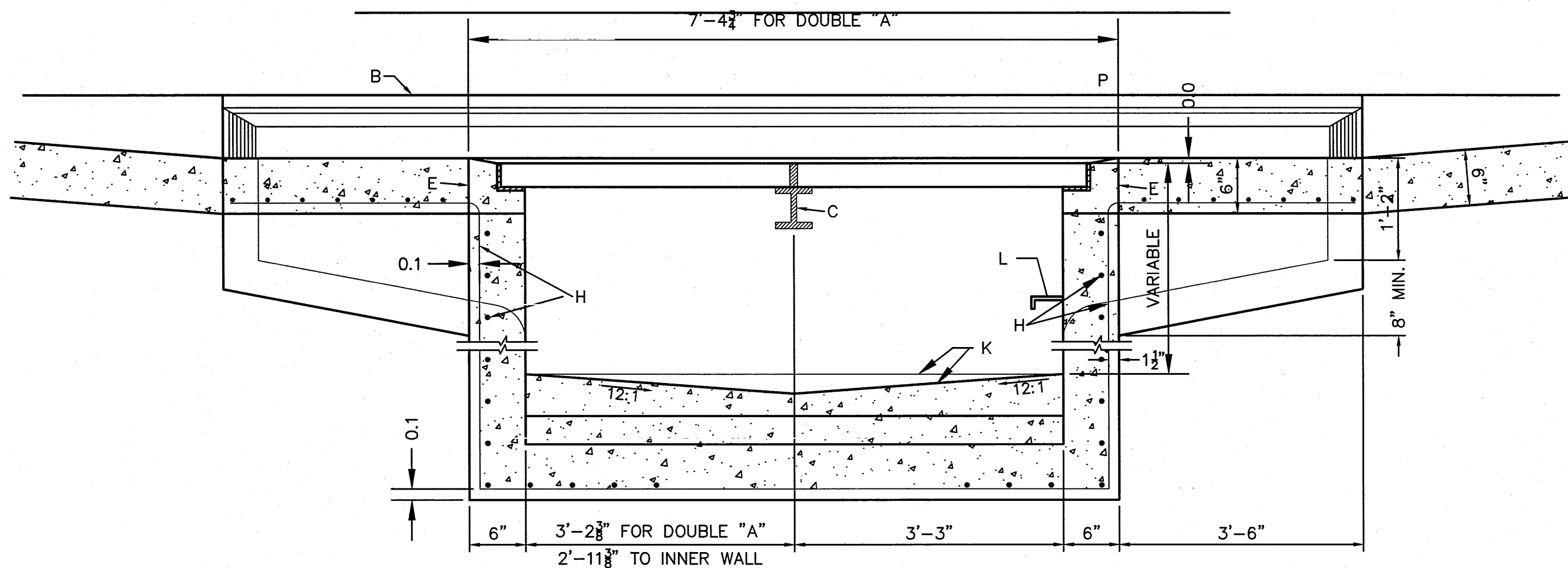
SECTION B-B

GENERAL NOTES:

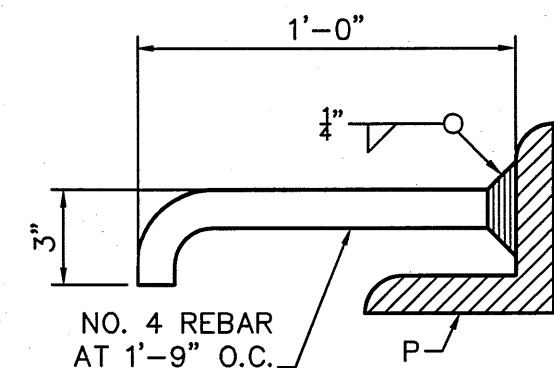
1. FOR STORM INLET GUTTER TRANSITION, SEE DWG 2207.
2. OUTLET PIPE SIZE, PER DESIGN REQUIREMENT.
3. FOR FRAME & GRATING, SEE DWG 2216, 2220 & 2221.
4. FOR ANCHOR SEE DETAIL.
5. FOR CENTER SUPPORT ASSEMBLY, SEE DWG 2215.

CONSTRUCTION NOTES:

- A. GUTTER TRANSITION.
- B. TOP OF CURB.
- C. CENTER SUPPORT ASSEMBLY.
- D. FLOWLINE.
- E. CONSTRUCTION JOINT.
- F. NORMAL GUTTER LINE.
- G. 1'-10" MIN. UNLESS OTHERWISE DIRECTED.
- H. FRAME AND GRATE.
- J. INVERT OF OUTLET PIPE.
- K. CONCRETE FILL, MINIMUM SLOPES AS SHOWN.
- L. FOR STORM INLET DEPTHS GREATER THAN 4' INSTALL STD STEPS, SEE DWG 2229, DOWNSTREAM FACE.
- M. EXTEND NO. 4 REBARS 18" INTO CURB ON EACH SIDE OF STORM INLET.
- N. NO. 4 BARS AT 6" O.C.
- P. 3 1/2" X 3 1/2" X 1/2" X 7'-6" FOR DOUBLE GRATE TYPE "C" STORM INLET.
- Q. ANCHOR



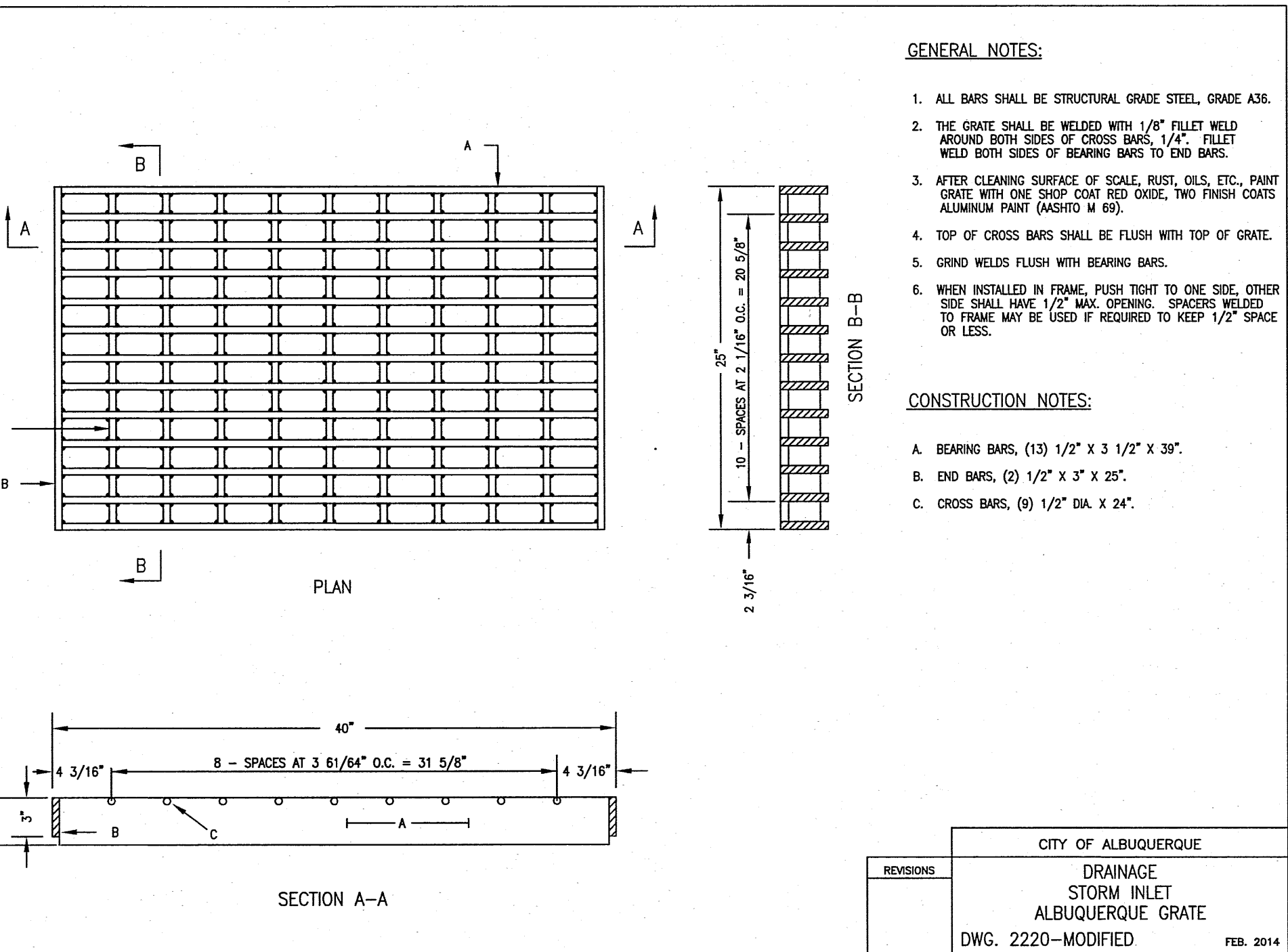
SECTION A-A



ANCHOR DETAIL

TYPE DOUBLE 'A' INLET DETAIL

NTS

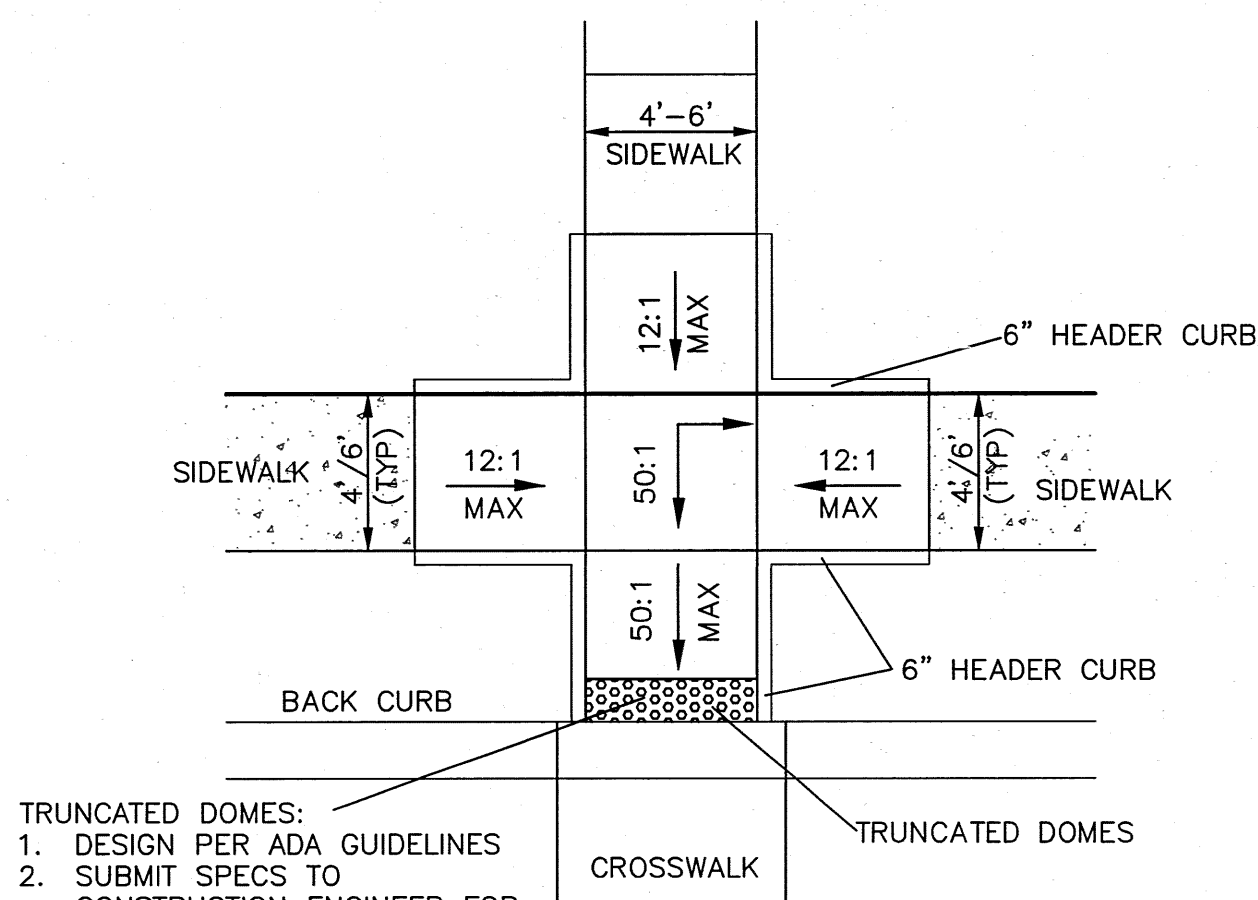


GENERAL NOTES:

1. ALL BARS SHALL BE STRUCTURAL GRADE STEEL, GRADE A36.
2. THE GRATE SHALL BE WELDED WITH 1/8" FILLET WELD AROUND BOTH SIDES OF CROSS BARS, 1/4" FILLET WELD BOTH SIDES OF BEARING BARS TO END BARS.
3. AFTER CLEANING SURFACE OF SCALE, RUST, OILS, ETC., PAINT GRATE WITH ONE SHOP COAT RED OXIDE-TWO FINISH COATS ALUMINUM PAINT (ASHITO M 69).
4. TOP OF CROSS BARS SHALL BE FLUSH WITH TOP OF GRATE.
5. GRIND WELDS FLUSH WITH BEARING BARS.
6. WHEN INSTALLED IN FRAME, PUSH TIGHT TO ONE SIDE, OTHER SIDE SHALL HAVE 1/2" MAX. OPENING. SPACERS WELDED TO FRAME MAY BE USED IF REQUIRED TO KEEP 1/2" SPACE OR LESS.

CONSTRUCTION NOTES:

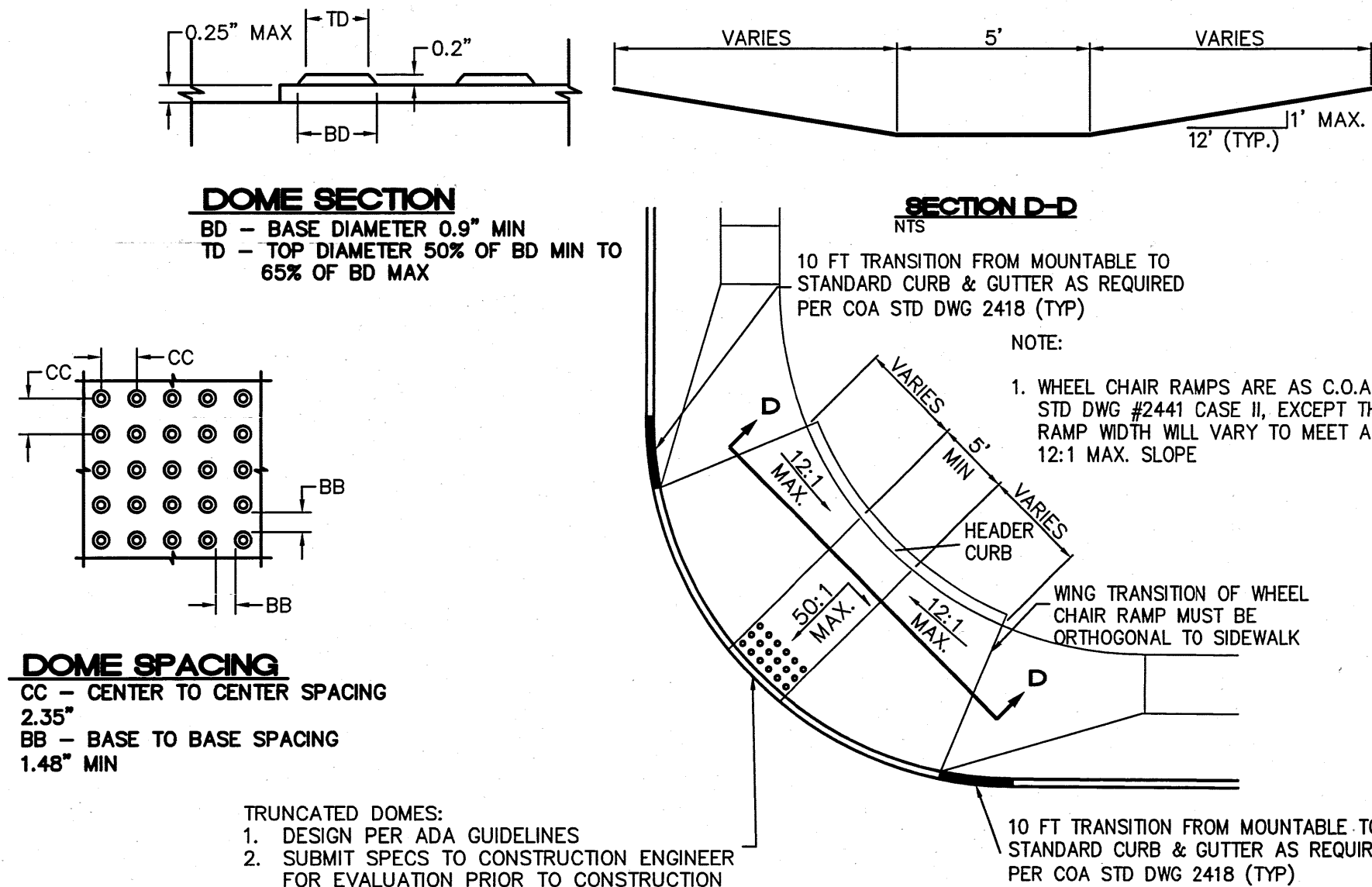
- A. BEARING BARS, (13) 1/2" X 3 1/2" X 30".
- B. END BARS, (2) 1/2" X 3" X 25".
- C. CROSS BARS, (9) 1/2" DIA. X 24".



- TRUNCATED DOMES:
1. DESIGN PER ADA GUIDELINES
 2. SUBMIT SPECS TO CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION

UNIDIRECTIONAL WHEEL CHAIR RAMP DETAIL (TYP.)

NTS



SECTION D-D

NTS

10 FT TRANSITION FROM MOUNTABLE TO STANDARD CURB & GUTTER AS REQUIRED PER COA STD DWG 2418 (TYP)

NOTE:

1. WHEEL CHAIR RAMP ARE AS C.O.A. STD DWG #2441 CASE II, EXCEPT THE RAMP WIDTH WILL VARY TO MEET A 12:1 MAX. SLOPE

WING TRANSITION OF WHEEL CHAIR RAMP MUST BE ORTHOGONAL TO SIDEWALK

10 FT TRANSITION FROM MOUNTABLE TO STANDARD CURB & GUTTER AS REQUIRED PER COA STD DWG 2418 (TYP)

WHEEL CHAIR RAMP DETAIL (TYP.)

NTS

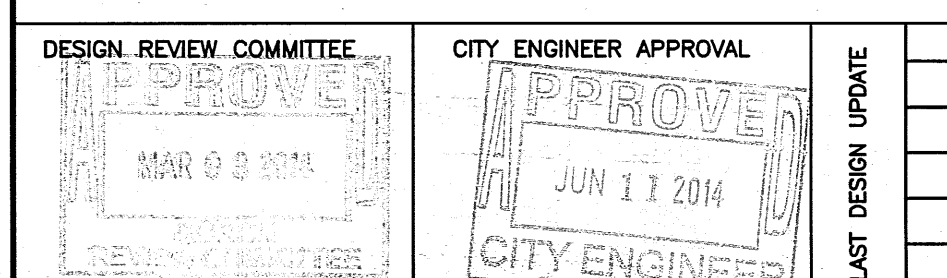
DOME SPACING
CC - CENTER TO CENTER SPACING
2.35"
BB - BASE TO BASE SPACING
1.48" MIN

- TRUNCATED DOMES:
1. DESIGN PER ADA GUIDELINES
 2. SUBMIT SPECS TO CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION

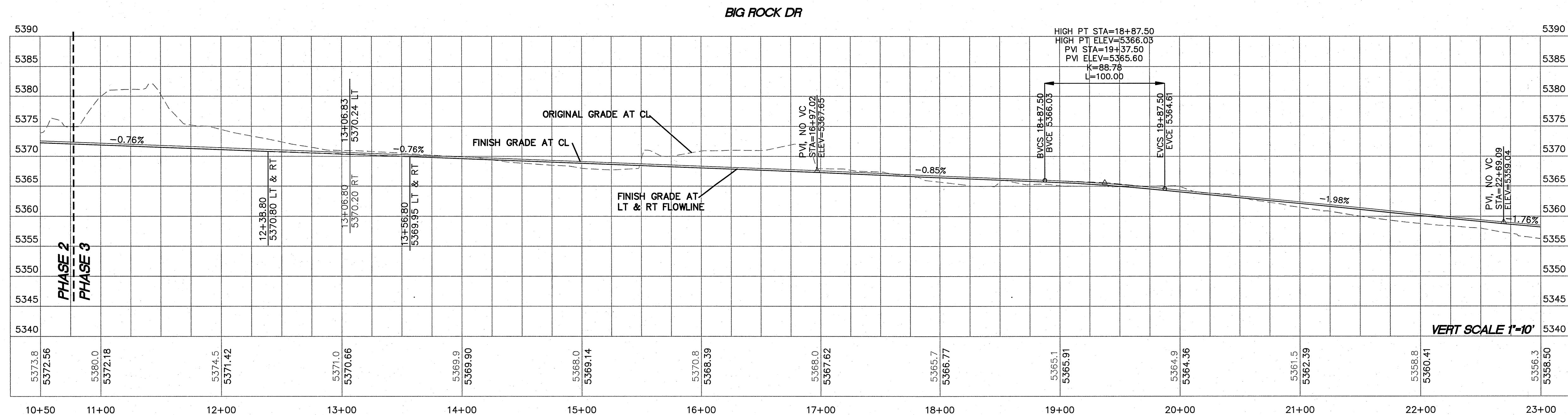
TERRA WEST, LLC
5571 MIDWAY PARK PL NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 858-3100
www.tierrawestllc.com

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: THE BOULDERS PHASE 3
CONSTRUCTION DETAILS



761788 ZONE MAP NO. B-10-2 & B-11-2 SHEET 7 OF 22



- (A) NEW 4' SIDEWALK TO BE BUILT PER COA STD DWG 2430
- (B) NEW 4' SIDEWALK TO BE DEFERRED
- (C) WHEEL CHAIR RAMPS (TYP ALL INTERSECTIONS)
(SEE DETAIL SHEET 7)
- (D) STD CURB AND GUTTER PER COA STD DWG 2415A
- (E) 50' TRANSITION TO NO CROWN SECTION (TYP)
- (F) 6' VALLEY GUTTER PER COA STD DWG 2420
- (G) NEW 6' SIDEWALK TO BE BUILT PER COA STD DWG 2430
- (H) REMOVE AND DISPOSE CUTOFF WALL AND BARRICADES
- (I) 50' TRANSITION FROM 32' PAVEMENT TO 28' PAVEMENT
- (J) 50' TRANSITION FROM 51' ROW TO 49' ROW
- (K) 42' TRANSITION FROM 49' ROW TO 46' ROW

C52	FL	ELEV.	C53	FL	ELEV.
	1	5370.69		4	5370.32
	2	5370.73		5	5370.40
	3	5370.74		6	5370.48

C54	FL	ELEV.	C55	FL	ELEV.
	1	5368.53		4	5367.82
	2	5368.44		5	5367.90
	3	5368.35		6	5367.98

A graphic scale and a compass rose. The scale is a horizontal bar divided into alternating black and white segments, with markings at 50, 0, 25, and 5. Below the scale is the text "(IN FEET)" and "1 inch = 50 ft.". Above the scale is a compass rose with four points, each labeled with a letter: 'N' (North) at the top-left, 'S' (South) at the top-right, 'E' (East) at the bottom-left, and 'W' (West) at the bottom-right. The rose is oriented such that 'N' is at the top-left.

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **THE BOULDERS PHASE 3**
BIG ROCK RD PAVING IMPROVEMENTS
10+50 TO 23+00

DESIGN REVIEW COMMITTEE
APPROVE
MAR 03 2014
DESIGN
REVIEW COMMITTEE

CITY ENGINEER APPROVAL

APPROVED

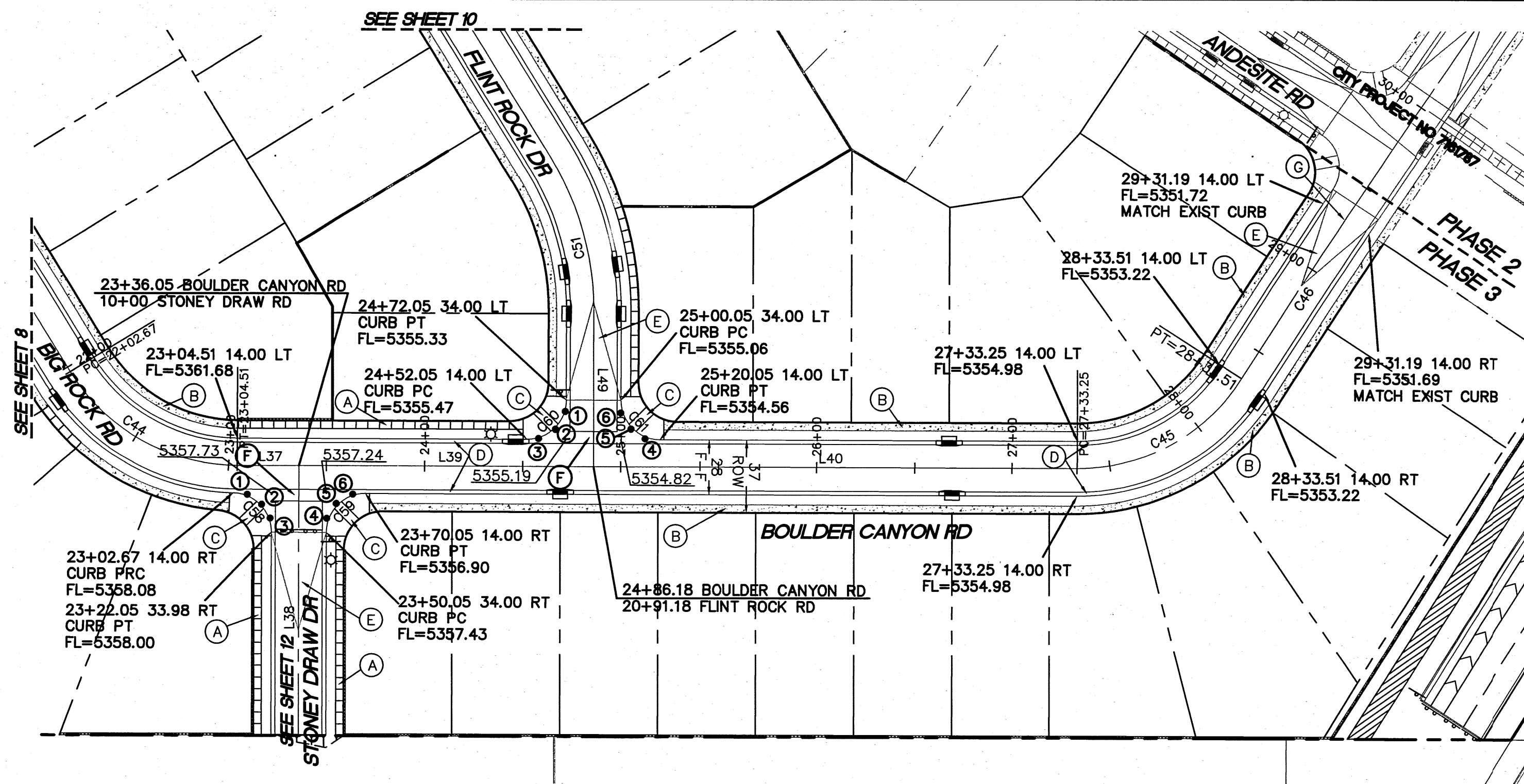
JUN 11 2014

CITY ENGINEER

FAST DESIGN UPDATE

MO./DAY/YR.	MO./DAY/YR.

761788 B-10-Z & B-11-Z 8 22



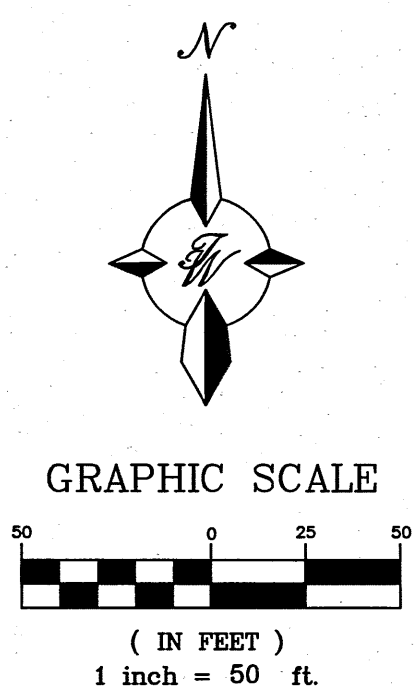
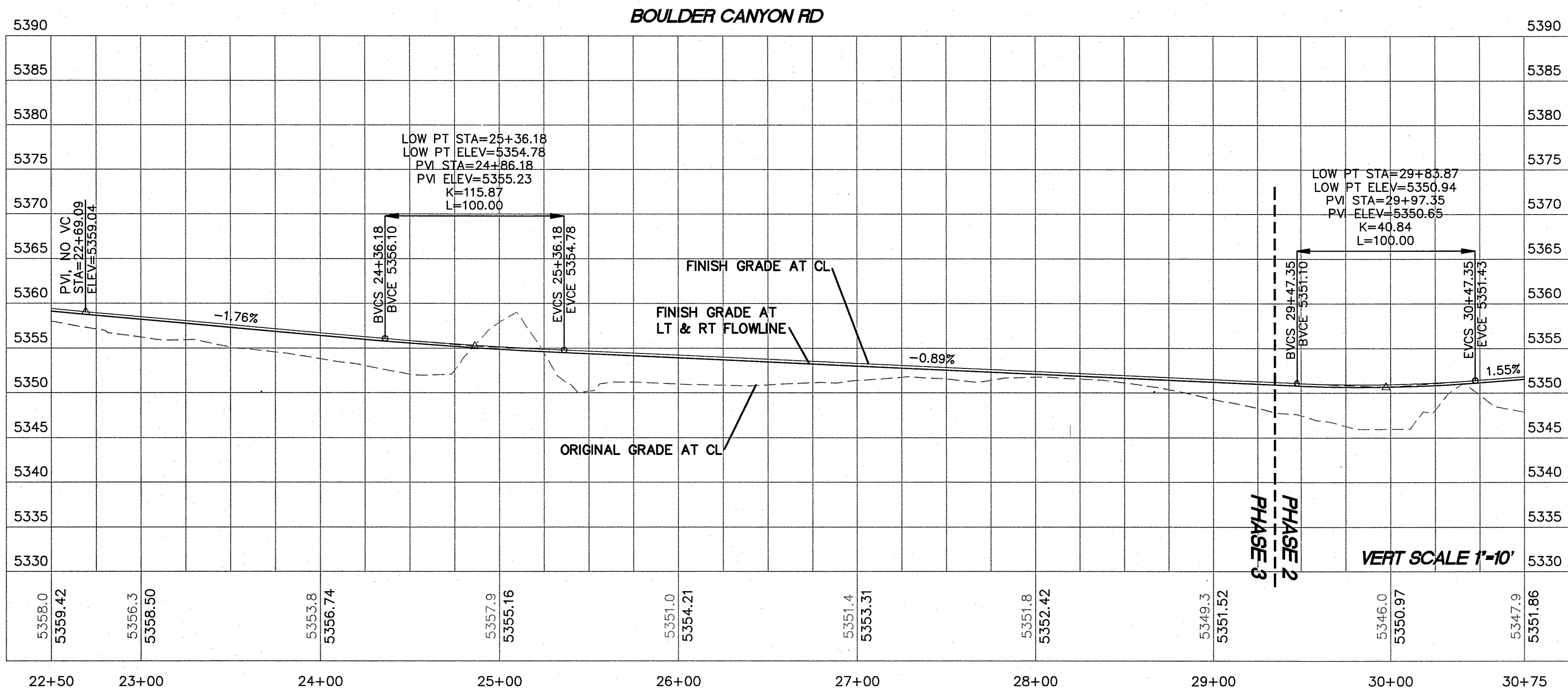
QUARTER POINTS

	FL	ELEV.		FL	ELEV.
C58	1	5358.06	C59	4	5357.30
	2	5358.04		5	5357.16
	3	5358.02		6	5357.03
C60	1	5355.36	C61	4	5354.68
	2	5355.40		5	5354.81
	3	5355.44		6	5354.94

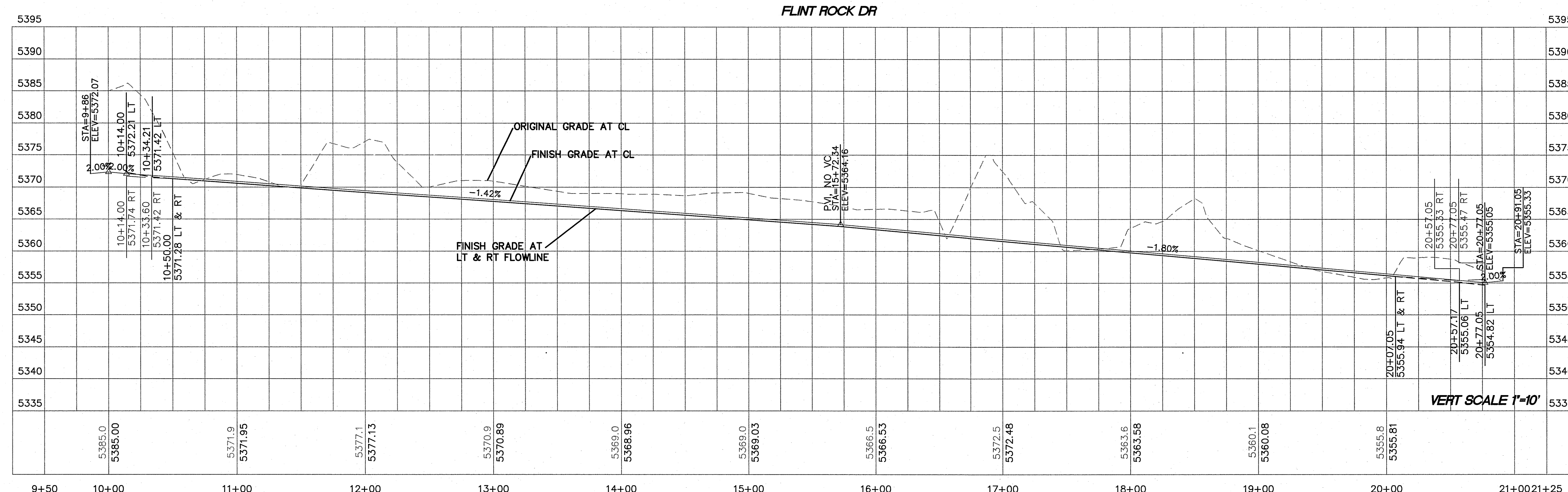
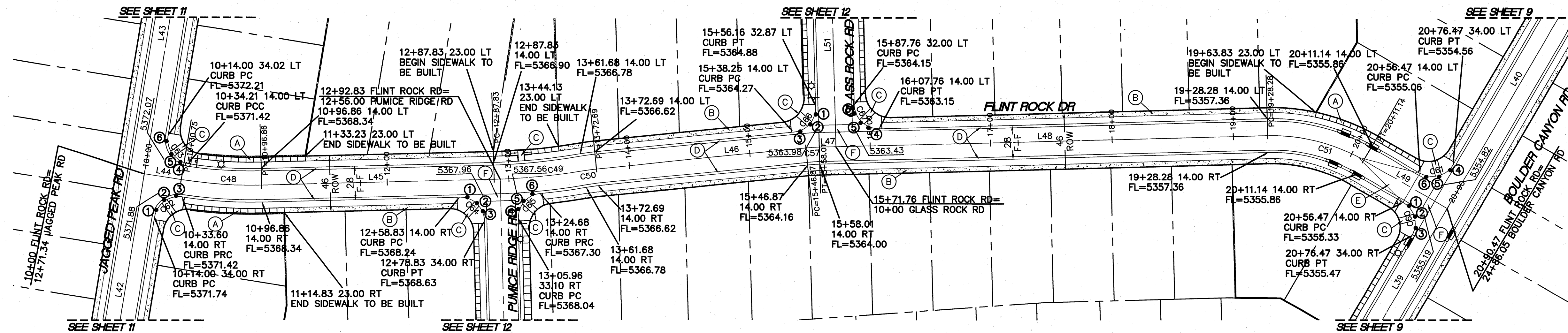
NOTE
SEE SHEET 4 FOR LINE AND CURVE TABLES

KEYED NOTE

- (A) NEW 4' SIDEWALK TO BE BUILT PER COA STD DWG 2430
- (B) NEW 4' SIDEWALK TO BE DEFERRED
- (C) WHEEL CHAIR RAMPS (TYP ALL INTERSECTIONS)
(SEE DETAIL SHEET 7)
- (D) STD CURB AND GUTTER PER COA STD DWG 2415A
- (E) 50' TRANSITION TO NO CROWN SECTION (TYP)
- (F) 6" VALLEY GUTTER PER COA STD DWG 2420
- (G) REMOVE AND DISPOSE CUTOFF WALL AND BARRICADES



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TITLE: THE BOULDERS PHASE 3 BOULDER CANYON RD PAVING IMPROVEMENTS 22+50 TO 30+75			
DESIGN REVIEW COMMITTEE APPROVE MAR 03 2014	CITY ENGINEER APPROVAL APPROVE JUN 13 2014 CITY ENGINEER	MO./DAY/YR. _____ _____ _____	MO./DAY/YR. _____ _____ _____
LAST DESIGN UPDATE _____ _____		SHEET 9 OF 22	



KEYED NOTE:

- (A) NEW 4' SIDEWALK TO BE BUILT PER COA STD DWG 2430
- (B) NEW 4' SIDEWALK TO BE DEFERRED
- (C) WHEEL CHAIR RAMPS (TYP ALL INTERSECTIONS) (SEE DETAIL SHEET 7)
- (D) STD CURB AND GUTTER PER COA STD DWG 2415A
- (E) 50' TRANSITION TO NO CROWN SECTION (TYP)
- (F) 6' VALLEY GUTTER PER COA STD DWG 2420

QUARTER POINTS

FL	ELEV.	FL	ELEV.
C64	1 5368.34	C65	4 5367.86
	2 5368.44		5 5367.67
	3 5368.53		6 5367.48
C66	1 5364.73	C67	4 5363.40
	2 5364.58		5 5363.65
	3 5364.42		6 5363.90
C60	1 5355.36	C61	4 5354.68
	2 5355.40		5 5354.81
	3 5355.43		6 5354.94
C62	1 5361.66	C63	4 5371.62
	2 5371.58		5 5371.82
	3 5371.50		6 5372.02

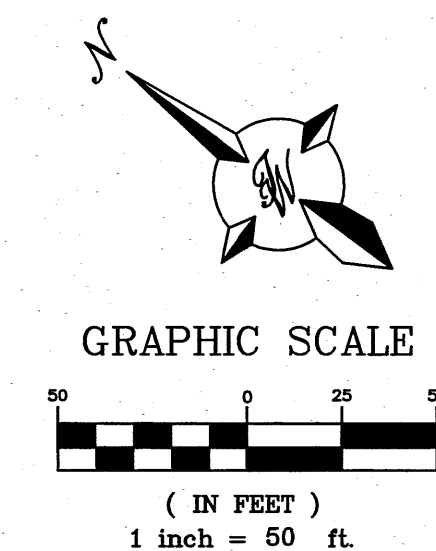
NOTE
SEE SHEET 4 FOR LINE AND CURVE TABLES

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
			FIELD NOTES		A.C.S. MONUMENT "10-B10"		
			BY	DATE	STANDARD A.C.S. BRASS TABLET (FOUND IN PLACE)	CONTRACTOR	
					NM STATE PLANE COORDINATES	WORK STARTED BY	DATE
					CENTRAL ZONE NAD 1983	INSPECTOR'S FIELD ACCEPTANCE BY	DATE
					X=1,503,026.373	VERIFICATION BY	DATE
					Y=1,526,758.072	DRAWINGS CORRECTED BY	DATE
					G-G=0.9996868666	MICRO-FILM INFORMATION	
					DA= -01°15'54.21"	RECORDED BY	DATE
					ELEVATION=5370.757 (NGVD 1988)	NO.	

ROCK & ROLL MINERAL
SPECIALTY CO.
4000

PROFESSIONAL ENGINEER

DESIGNED BY: VC	DATE: 2-12-14
DRAWN BY: pm	DATE: 2-12-14
DRAWING NAME: PH3-FLINT-ROCK-PV	JOB NO.: 2011005
CHECKED BY: VC	DATE: 2-12-14



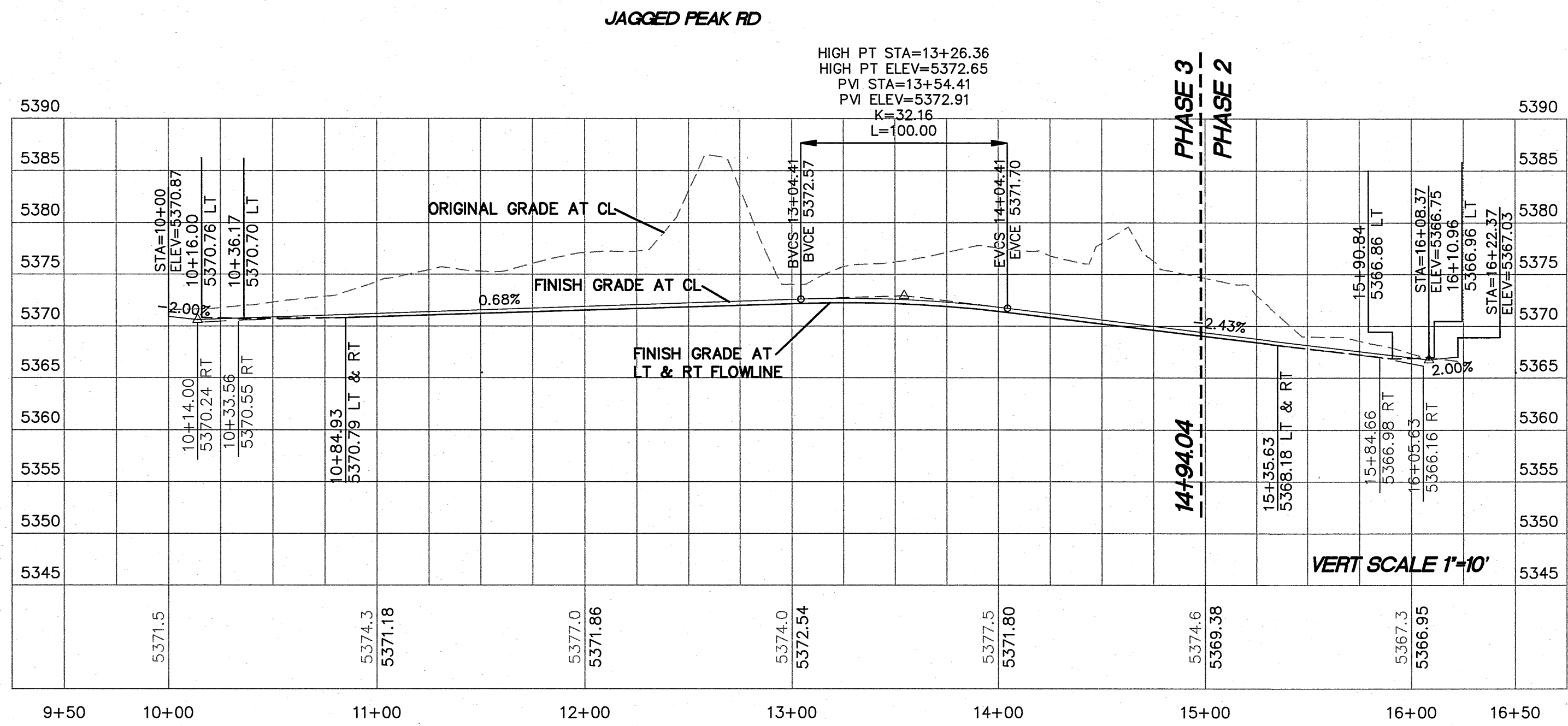
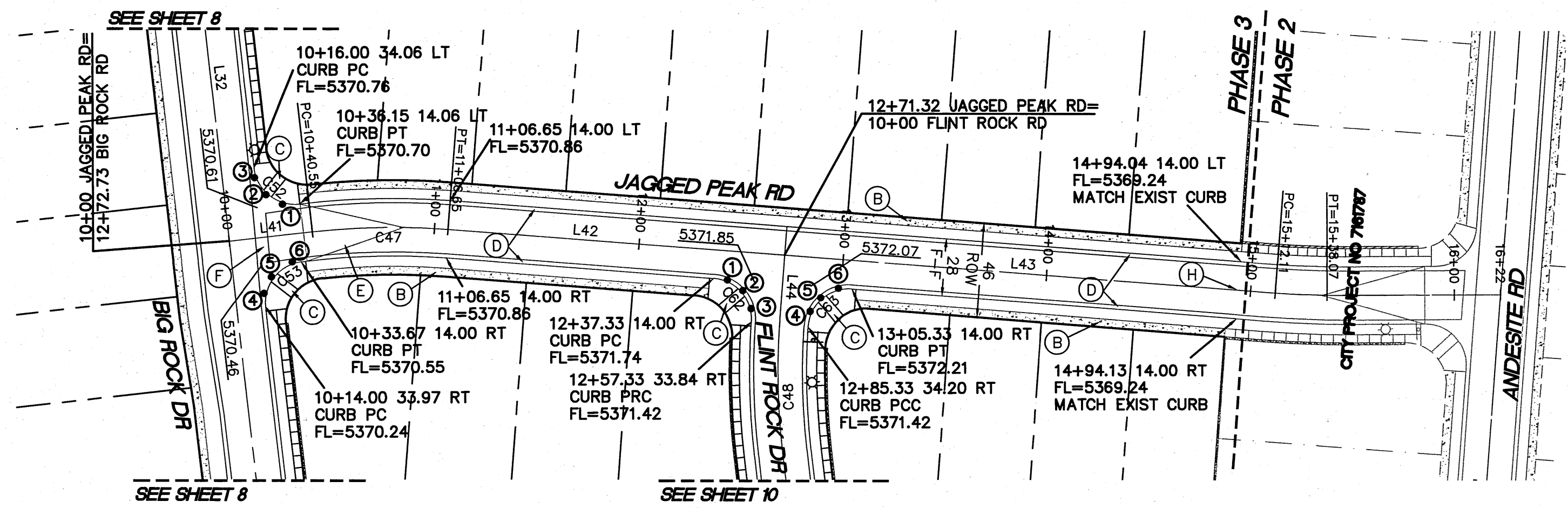
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **THE BOULDERS PHASE 3**
FLINT ROCK DR PAVING IMPROVEMENTS
10+00 TO 21+91

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAR 9 2014 DESIGN REVIEW COMMITTEE	APPROVED JUN 11 2014 CITY ENGINEER		
LAST DESIGN UPDATE			

761788 ZONE MAP NO. 8-10-Z & 8-11-Z SHEET 10 OF 22



QUARTER POINTS

C62	FL	ELEV.
	1	5361.66
	2	5371.58

C63	FL	ELEV.
	4	5371.62
	5	5371.82

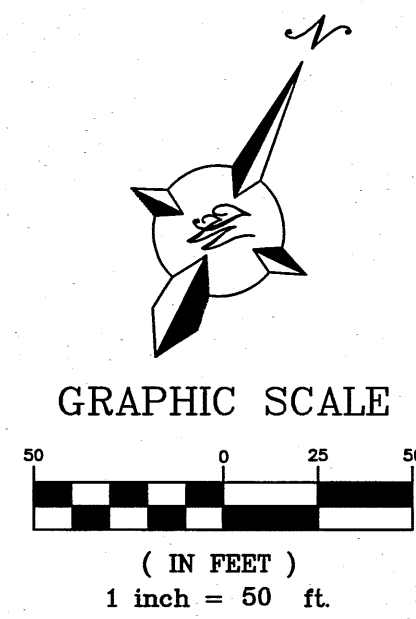
C52	FL	ELEV.
	1	5370.69
	2	5370.73

C53	FL	ELEV.
	4	5370.32
	5	5370.40

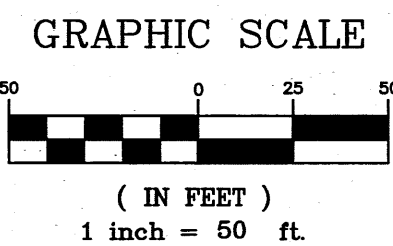
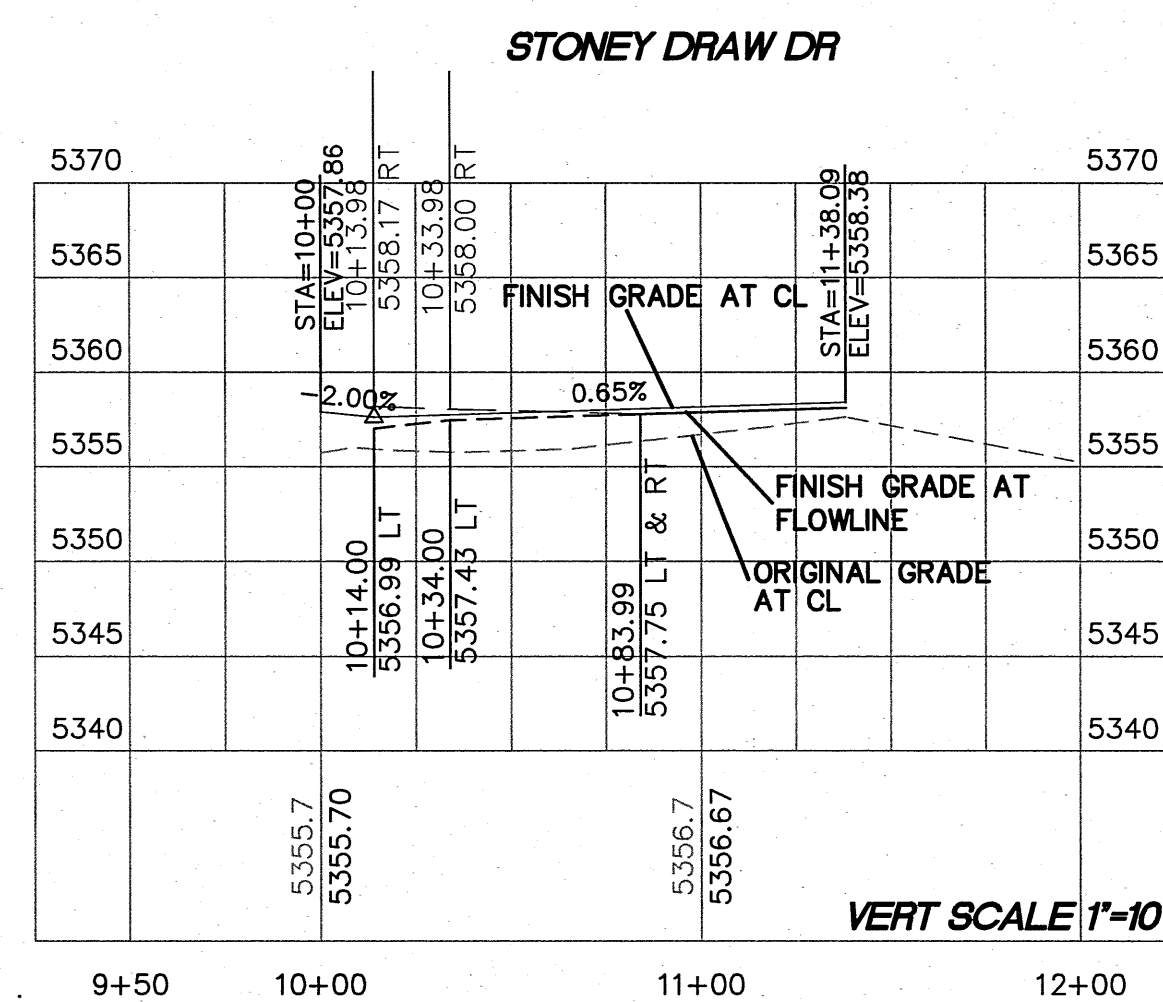
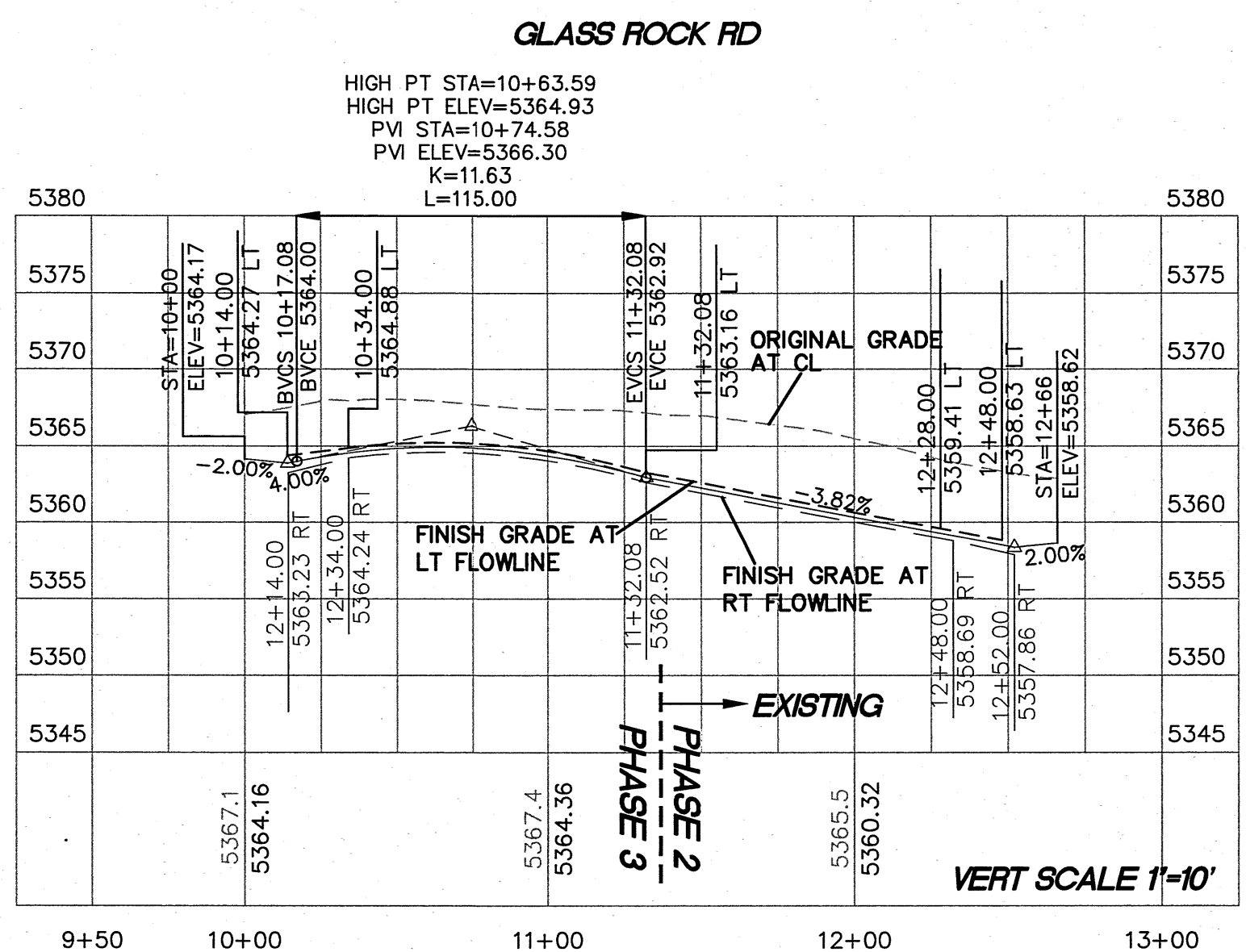
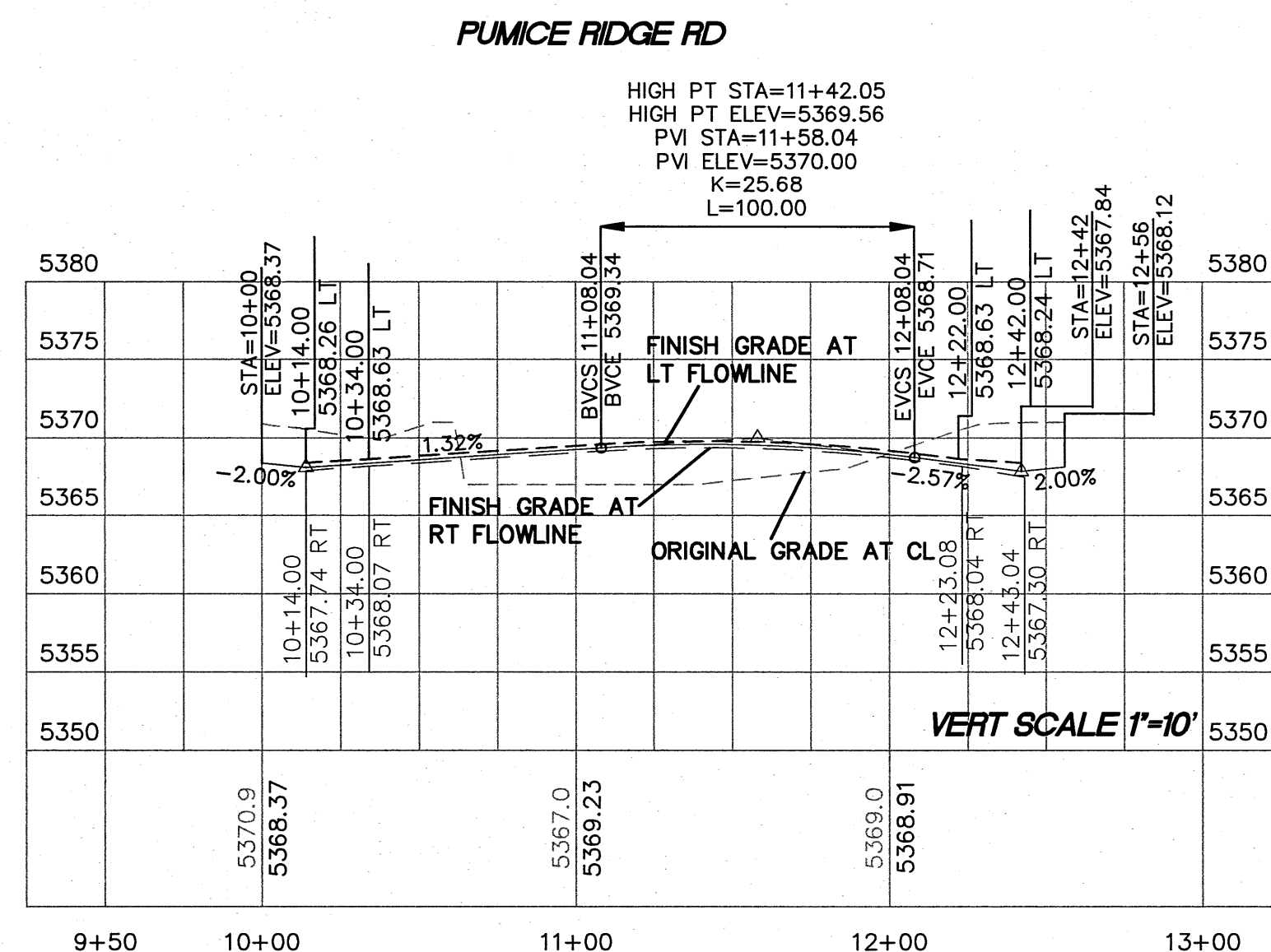
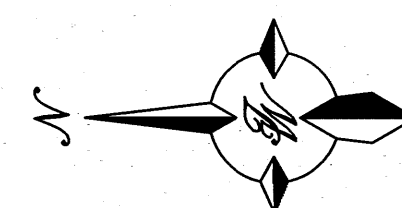
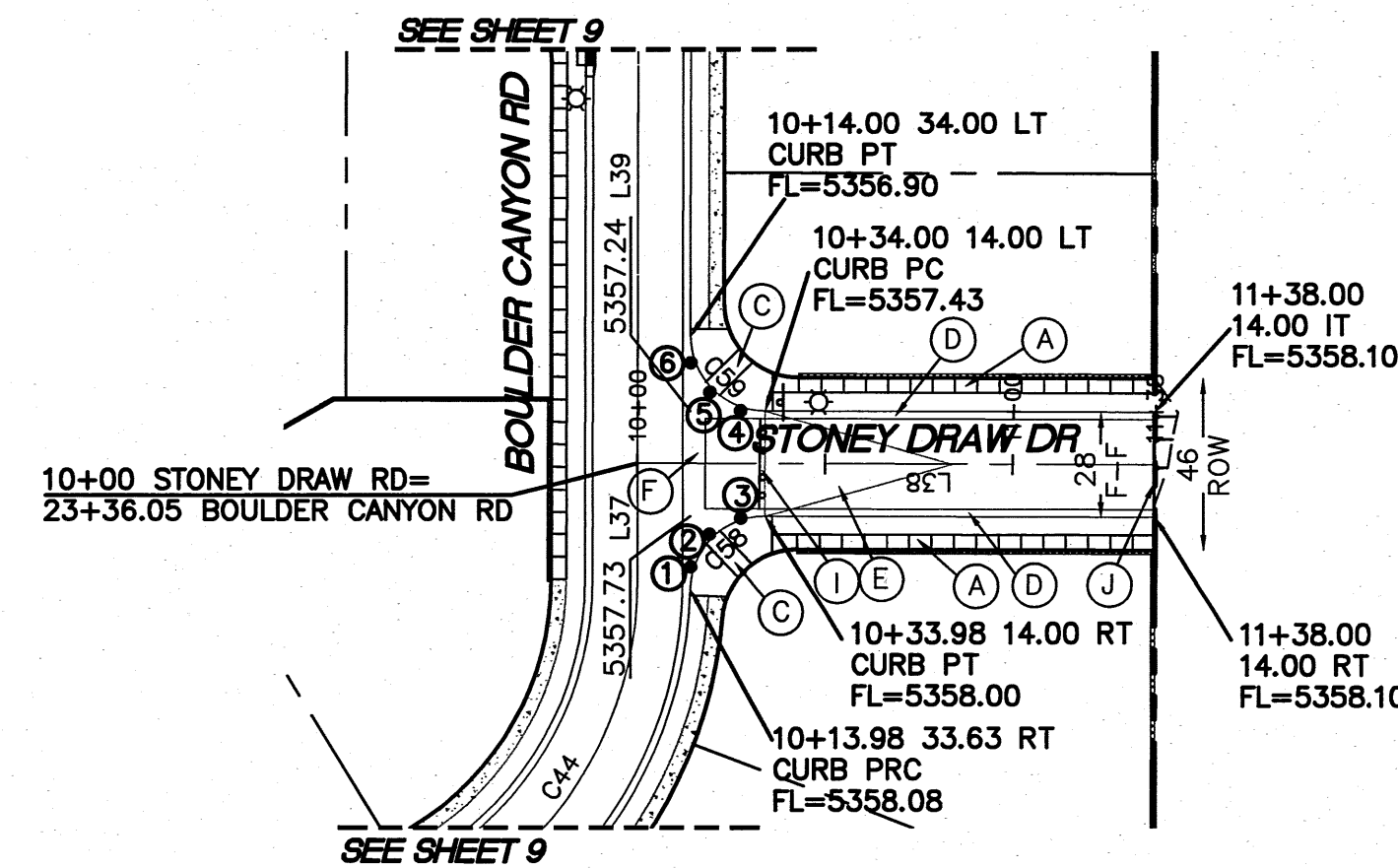
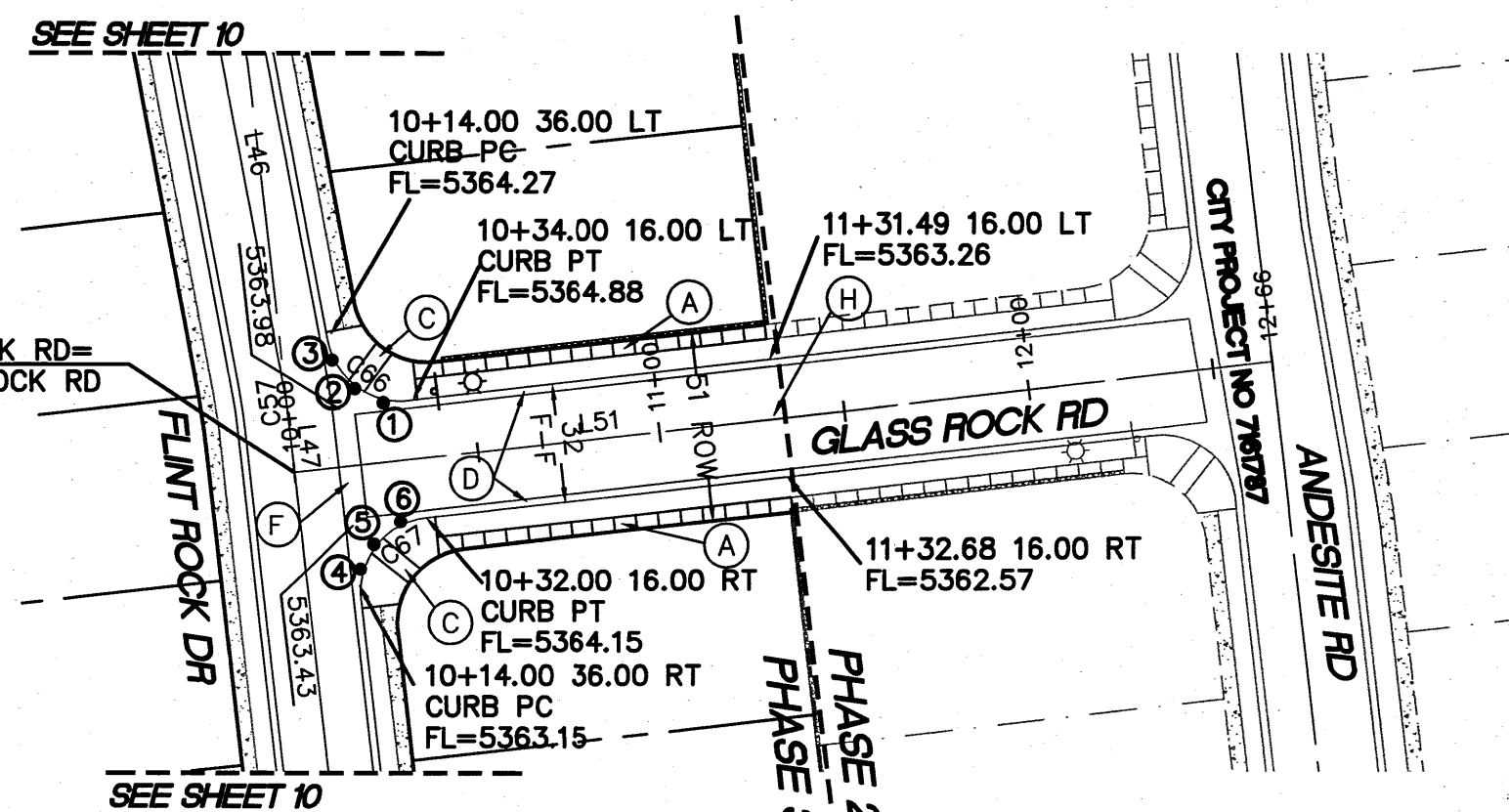
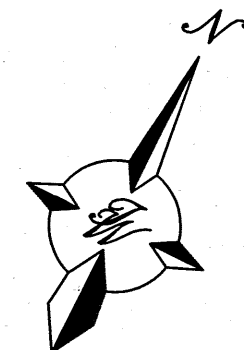
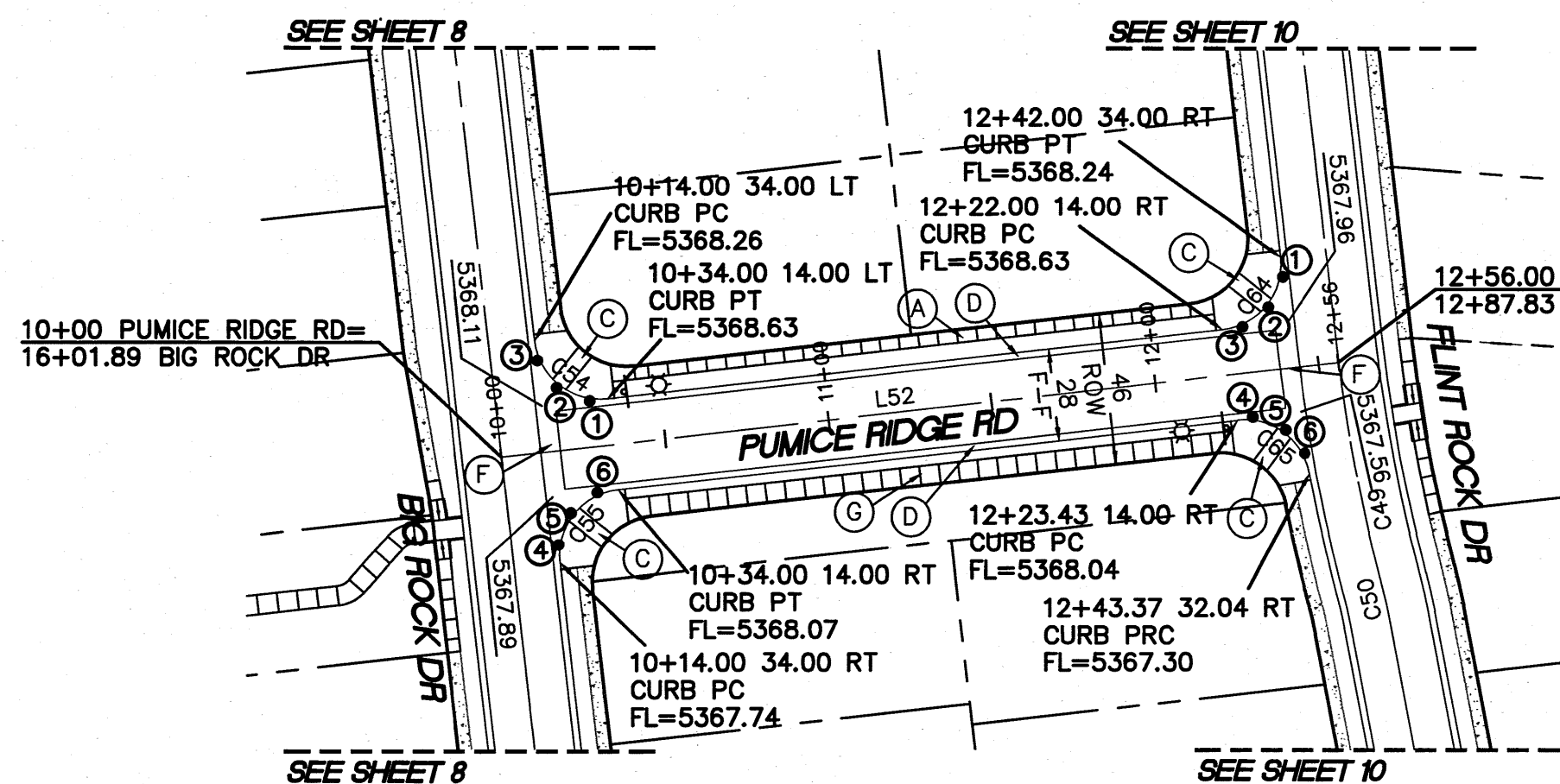
NOTE
SEE SHEET 4 FOR LINE AND CURVE TABLES

KEYED NOTE:

- (A) NEW 4' SIDEWALK TO BE BUILT PER COA STD DWG 2430
- (B) NEW 4' SIDEWALK TO BE DEFERRED
- (C) WHEEL CHAIR RAMPS (TYP ALL INTERSECTIONS)
(SEE DETAIL SHEET 7)
- (D) STD CURB AND GUTTER PER COA STD DWG 2415A
- (E) 50' TRANSITION TO NO CROWN SECTION (TYP)
- (F) 6' VALLEY GUTTER PER COA STD DWG 2420
- (G) NEW 6' SIDEWALK TO BE BUILT PER COA STD DWG 2430
- (H) REMOVE AND DISPOSE CUTOFF WALL AND BARRICADES



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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: THE BOULDERS PHASE 3 JAGGED PEAK RD PAVING IMPROVEMENTS 10+00 TO 15+00	
DESIGN REVIEW COMMITTEE APPROVE MAR 9 8 2014 REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVE JUN 17 2014 CITY ENGINEER
DESIGNED BY: VC DRAWN BY: ptn DRAWING NAME: PH3-JAGGED PEAK-PV CHECKED BY: VC	NO. DATE REMARKS REVISIONS BY DATE: 2-12-14 DATE: 2-12-14 JOB NO.: 2011005 DATE: 2-12-14
ZONE MAP NO. 761788 SHEET 11 OF 22	

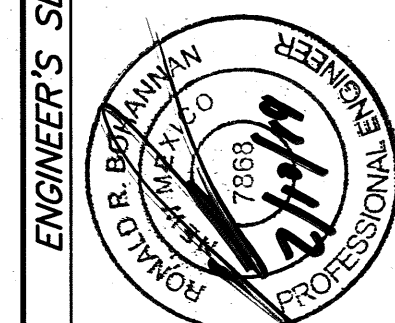


- KEYED NOTE:**
- (A) NEW 4' SIDEWALK TO BE BUILT PER COA STD DWG 2430
 - (B) NEW 4' SIDEWALK TO BE DEFERRED
 - (C) WHEEL CHAIR RAMPS (TYP ALL INTERSECTIONS) (SEE DETAIL SHEET 7)
 - (D) STD CURB AND GUTTER PER COA STD DWG 2415A
 - (E) 50' TRANSITION TO NO CROWN SECTION (TYP)
 - (F) 6' VALLEY GUTTER PER COA STD DWG 2420
 - (G) NEW 6' SIDEWALK TO BE BUILT PER COA STD DWG 2430
 - (H) REMOVE AND DISPOSE CUTOFF WALL AND BARRICADES
 - (I) TYPE III BARRICADES
 - (J) CUTOFF WALL PER COA STD DWG 2415B

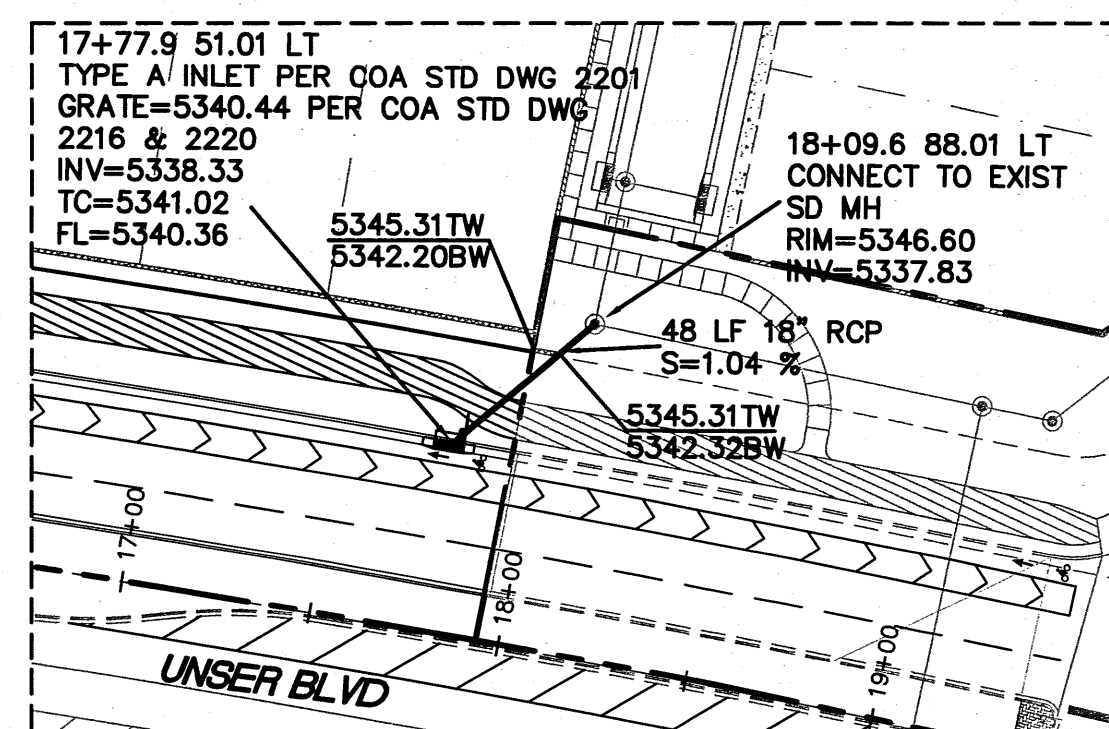
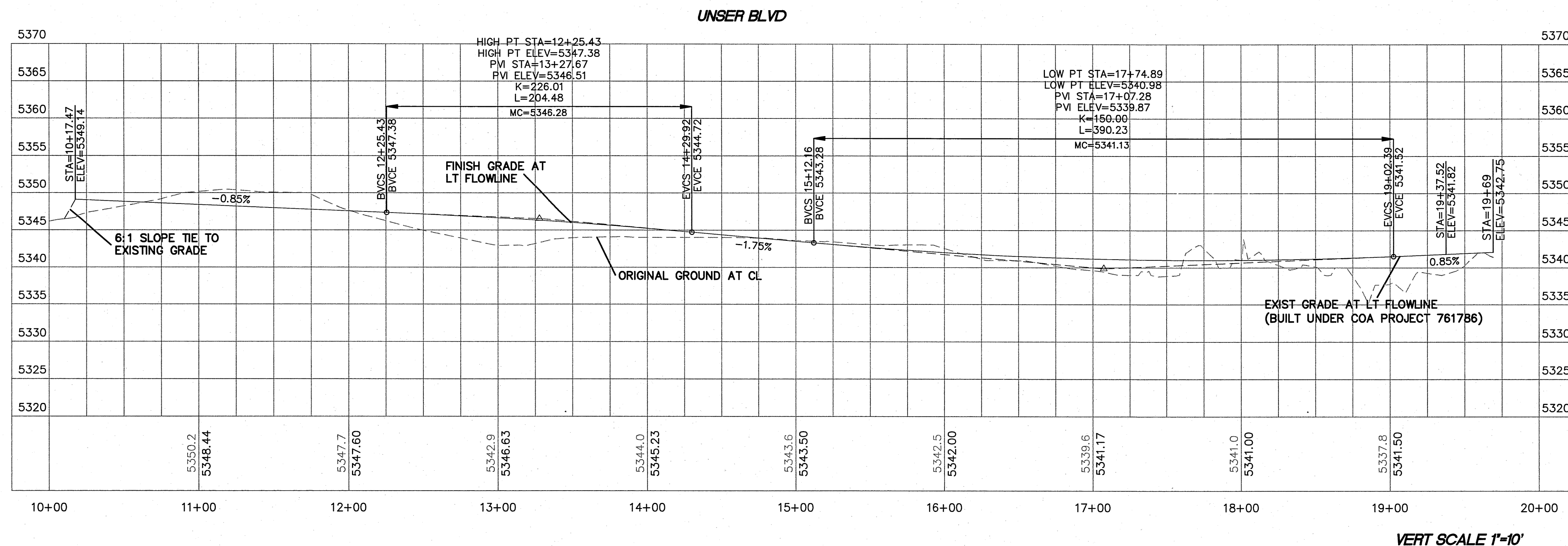
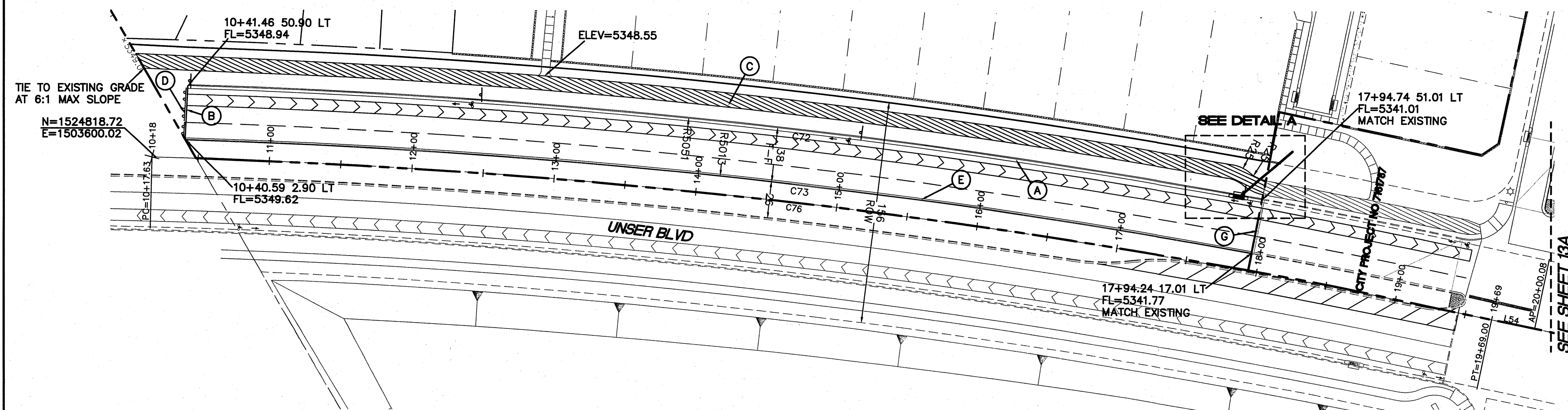
QUARTER POINTS

C54	FL	ELEV.	C55	FL	ELEV.	C64	FL	ELEV.	C65	FL	ELEV.
	1	5368.53		4	5367.82		1	5368.40		4	5367.88
	2	5368.44		5	5367.90		2	5368.48		5	5367.72
C58	FL	ELEV.	C59	FL	ELEV.	C66	FL	ELEV.	C67	FL	ELEV.
	1	5358.06		4	5357.30		1	5364.73		4	5363.40
	2	5358.04		5	5357.16		2	5364.58		5	5363.65
C54	FL	ELEV.	C55	FL	ELEV.	C64	FL	ELEV.	C65	FL	ELEV.
	3	5368.35		6	5367.98		3	5368.56		6	5367.56
C58	FL	ELEV.	C59	FL	ELEV.	C66	FL	ELEV.	C67	FL	ELEV.
	3	5358.02		6	5357.03		3	5364.42		6	5363.90

NOTE
SEE SHEET 4 FOR LINE AND CURVE TABLES



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TITLE: THE BOULDERS PHASE 3 PAVING IMPROVEMENTS PUMICE RIDGE DR, GLASS ROCK RD AND STONEY DRAW DR			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVE MAR 6 8 2014 DESIGN REVIEW COMMITTEE	APPROVE JUN 11 2014 CITY ENGINEER		
ZONE MAP NO. 761788 B-10-Z & B-11-Z		SHEET 12 OF 22	



NOTE
REMOVE AND REPLACE EXISTING LANDSCAPE
GRAVEL, PLANTINGS, IRRIGATION LINES AND
LANDSCAPE WALL (8") AS REQUIRED FOR STORM
DRAIN CONNECTION TO EXISTING SD MANHOLE

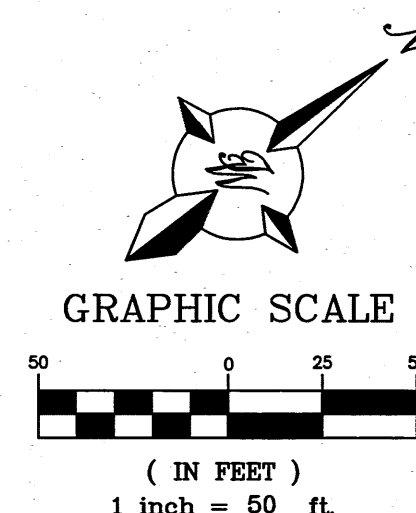
DETAIL A

KEYED NOTE

- (A) STANDARD CURB AND GUTTER PER COA STD DWG 2415A
- (B) CUT-OFF WALL PER COA STD DWG 2415B
W/TYPE III BARRICADES
- (C) 10' PAVED TRAIL, 2" TYPE 'C' PER COA STD DWG 2415B
- (D) BARRICADES TYPE III (3 EA)
- (E) MEDIAN CURB AND GUTTER PER COA STD DWG 2415B
- (F) MEDIAN CONCRETE PER COA STD DWG 2408 AND 2502
- (G) REMOVE AND DISPOSE EXISTING CUTOFF WALL

NOTES

1. SEE SHEET 4 FOR LINE AND CURVE TABLES
2. PAINT MEDIAN NOSE YELLOW
3. PMSC TO BE CONSTRUCTED WITH THIS PROJECT
ON NORTH BOUND LANES FROM BLUE FEATHER AVE
TO SOUTH PROPERTY LINE

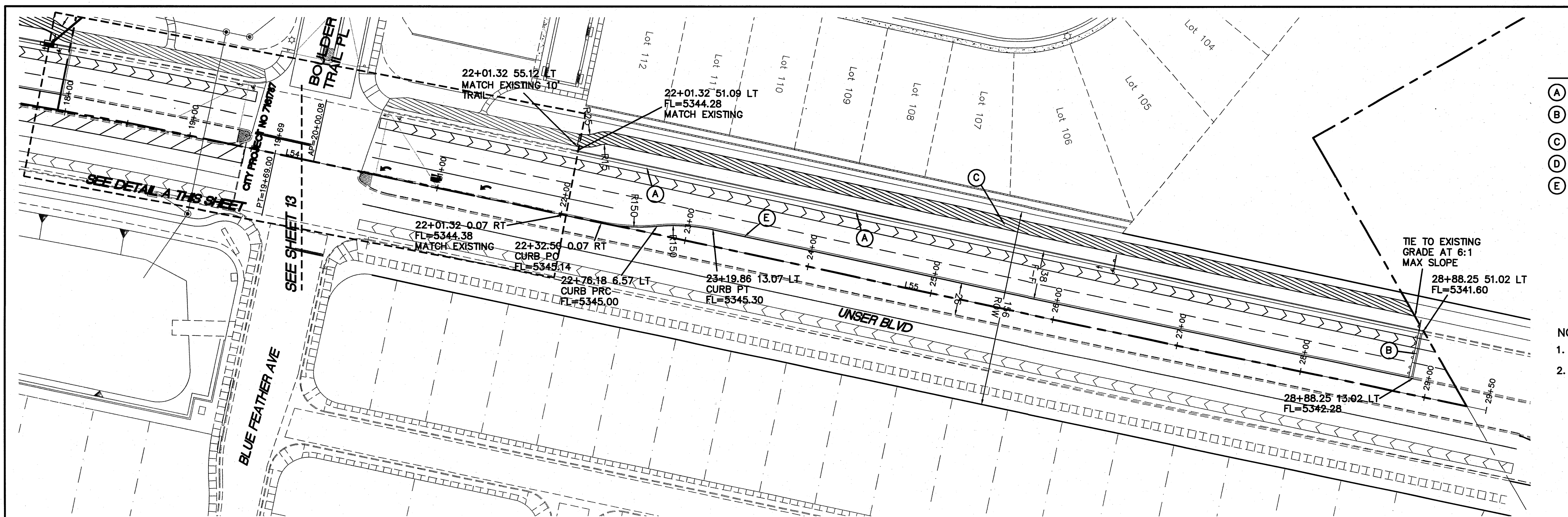


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TITLE: THE BOULDERS PHASE 3 PAVING IMPROVEMENTS UNSER BLVD 10+00 TO 20+00			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAR 03 2014 DESIGN REVIEW COMMITTEE	APPROVED JUN 17 2014 CITY ENGINEER		
ZONE MAP NO. 761788		SHEET 13 OF 22	



REVISIONS		BY	DATE
NO.	REMARKS		
1	DESIGN	VC	2-12-14
2		PTN	2-12-14
3		PH3-UNSER-PV	2011005
4		VC	2-12-14

BENCH MARKS		CONTRACTOR	DATE
A.C.S. MONUMENT "10-B10"	STANDARD A.C.S. BRASS TABLET (FOUND IN PLACE)		
NO.	DATE	NO.	DATE
1		2	
2		3	
3		4	
4		5	
5		6	
6		7	
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9		10	
10		11	
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99		100	

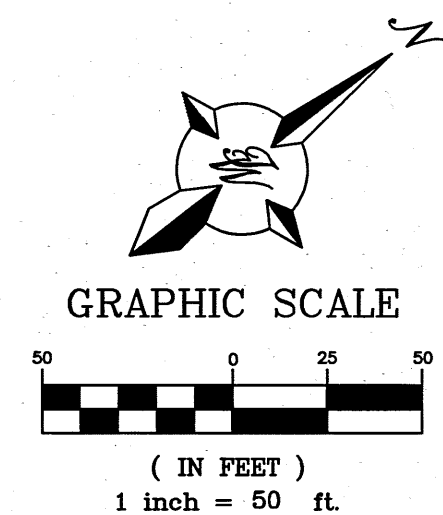
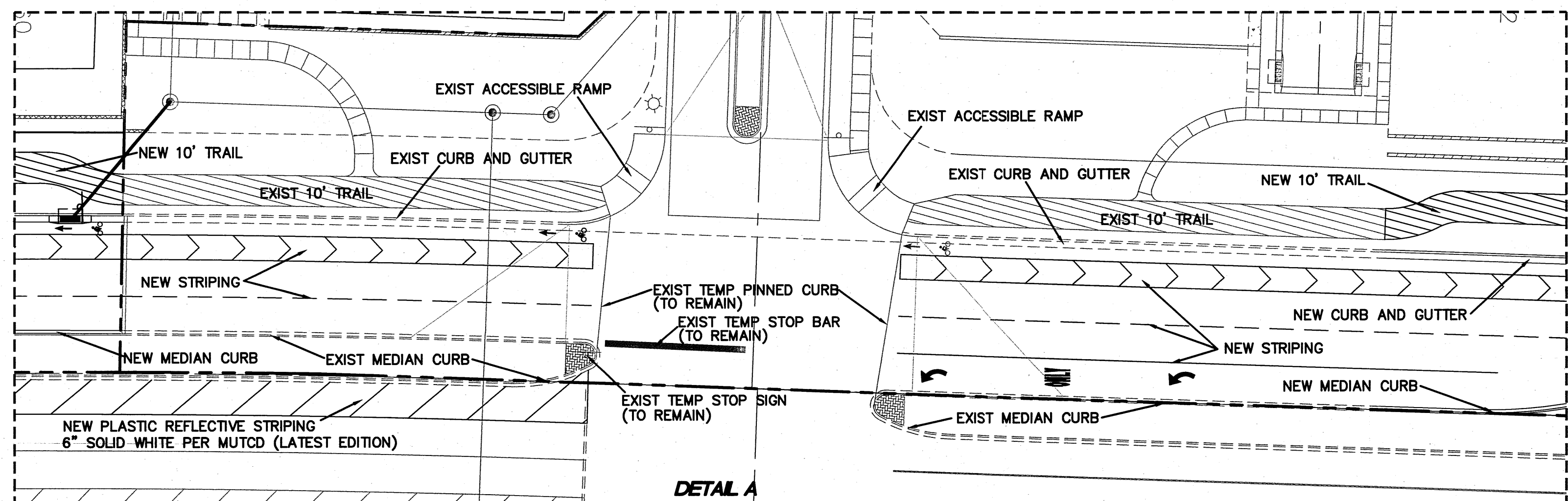
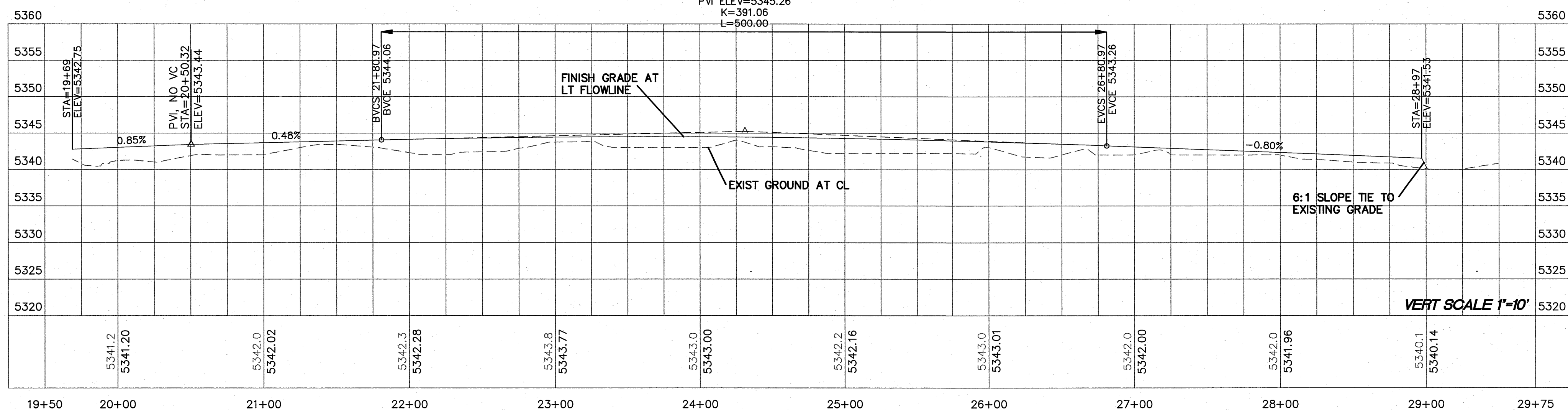


- KEYED NOTE**
- (A) STANDARD CURB AND GUTTER PER COA STD DWG 2415A
 - (B) CUT-OFF WALL PER COA STD DWG 2415B W/TYPED III BARRICADES
 - (C) 10' PAVED TRAIL, 2" TYPE 'C' PER COA STD DWG 2415B
 - (D) MEDIAN CONCRETE PER COA STD DWG 2408 AND 2502
 - (E) MEDIAN CURB AND GUTTER PER COA STD DWG 2415B

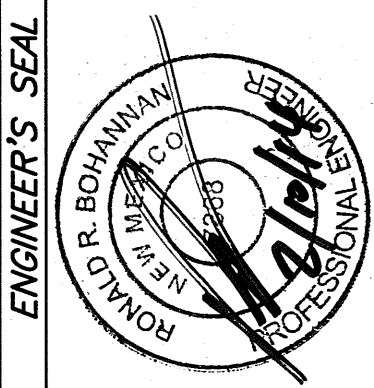
- NOTES**
1. SEE SHEET 4 FOR LINE AND CURVE TABLES
 2. PAINT MEDIAN NOSE YELLOW

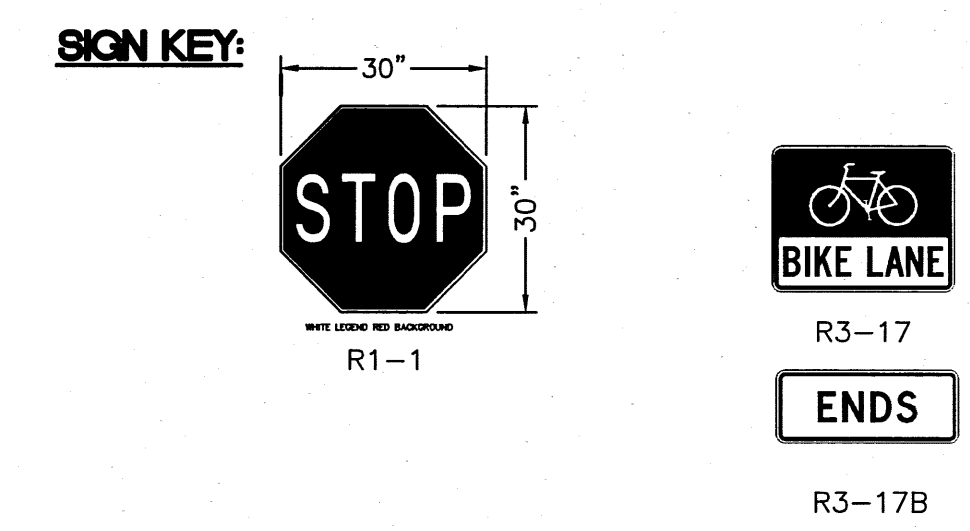
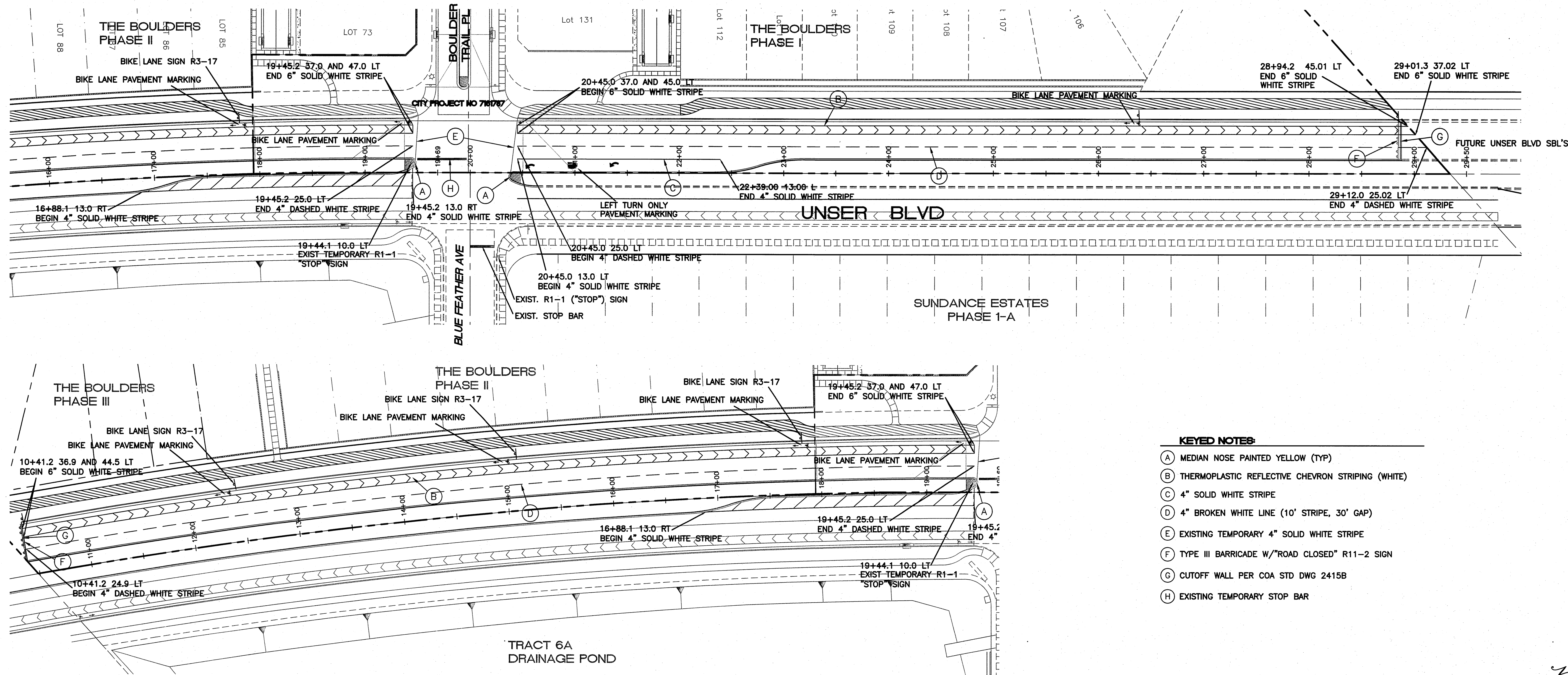
UNSER BLVD

HIGH PT STA=23+68.12
HIGH PT ELEV=5344.51
PVI STA=24+30.97
PVI ELEV=5345.26
K=391.06
L=500.00



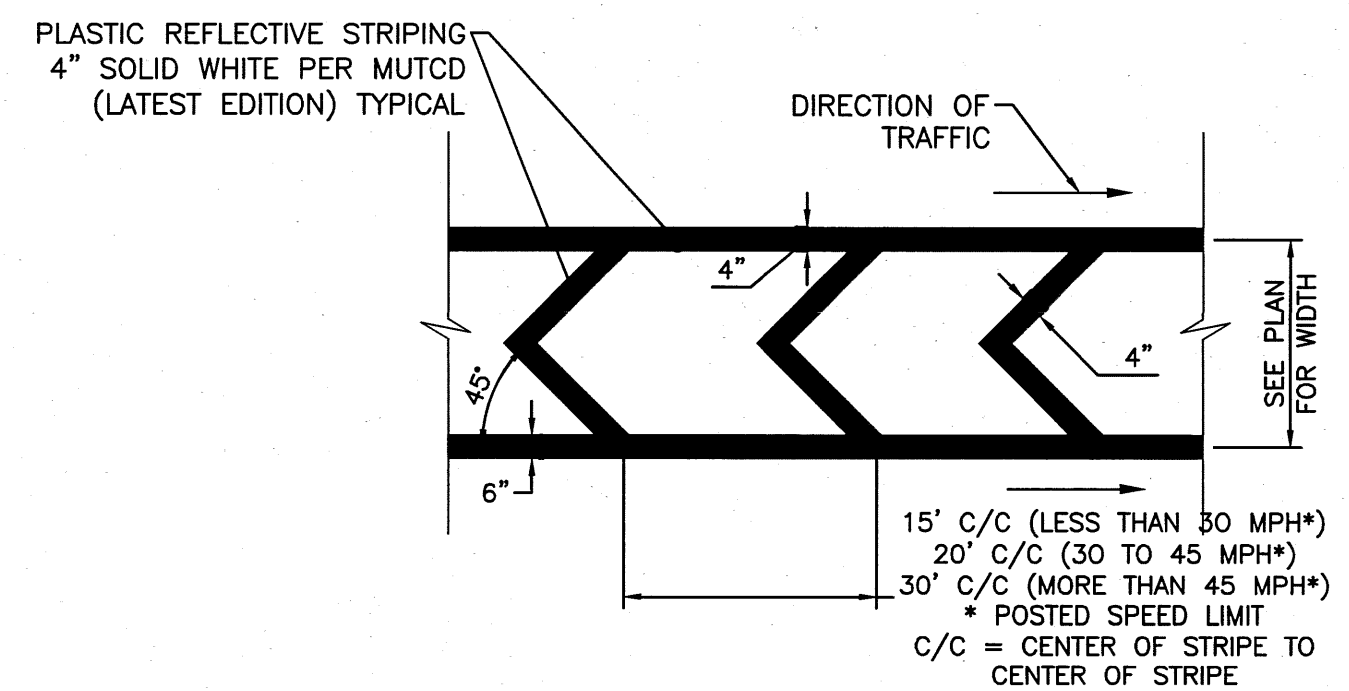
TERRA WEST, LLC 5571 MIDWAY PARK PL NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrowestllc.com		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: THE BOULDERS PHASE 3 PAVING IMPROVEMENTS UNSER BLVD 20+00 TO 29+75			
DESIGN REVIEW COMMITTEE APPROVE MAP 03 2014 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVE JUN 11 2014 CITY ENGINEER	MO./DAY/YR. 	MO./DAY/YR.
ZONE MAP NO. 761788		SHEET 13A OF 22	



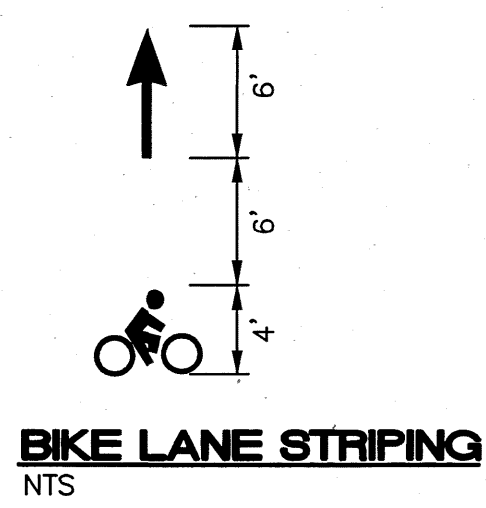


* SIGN FACES SHOWN FOR REFERENCE; CONTRACTOR SHALL VERIFY DIRECTION OF ARROW TO CORRELATE WITH INSTALLATION LOCATION AND TRAFFIC MOVEMENTS.

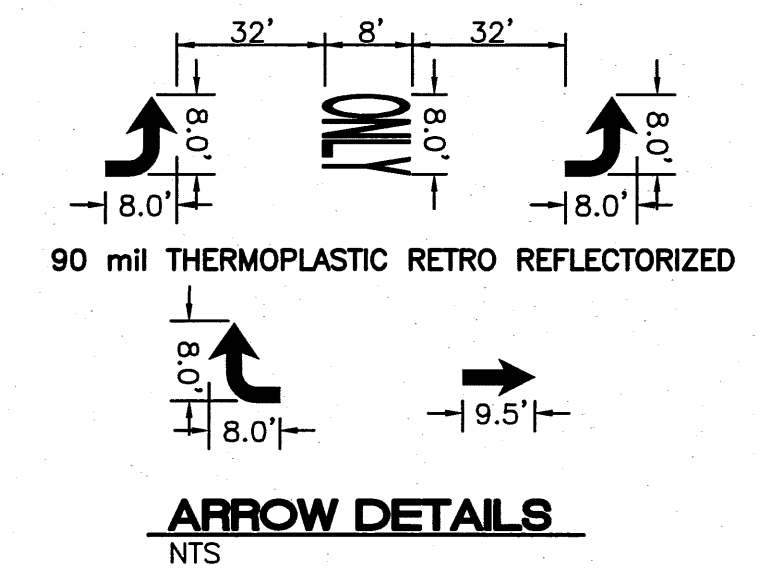
** CONTRACTOR SHALL COORDINATE WITH TRAFFIC OPERATIONS PRIOR SIGNING AND STRIPING



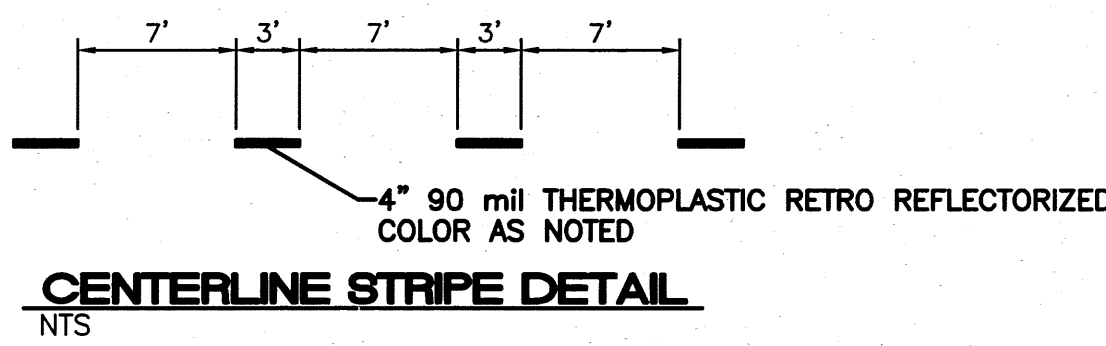
CHEVRON STRIPES DETAIL
NTS



BIKE LANE STRIPING
NTS

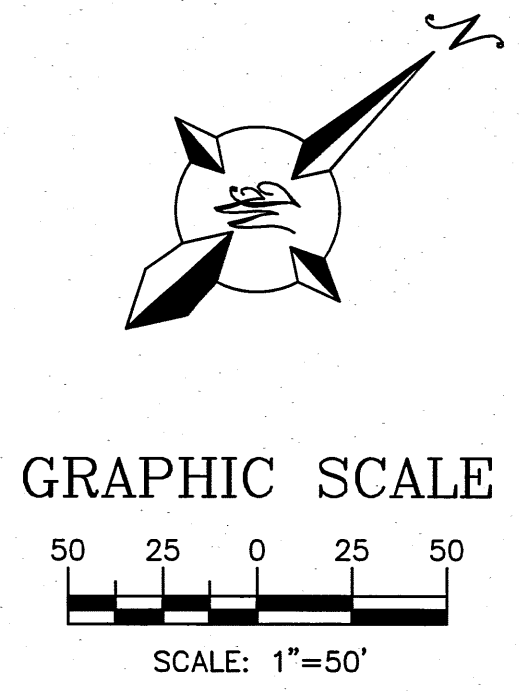


ARROW DETAILS
NTS



CENTERLINE STRIPE DETAIL
NTS

- KEYED NOTES:**
- (A) MEDIAN NOSE PAINTED YELLOW (TYP)
 - (B) THERMOPLASTIC REFLECTIVE CHEVRON STRIPING (WHITE)
 - (C) 4" SOLID WHITE STRIPE
 - (D) 4" BROKEN WHITE LINE (10' STRIPE, 30' GAP)
 - (E) EXISTING TEMPORARY 4" SOLID WHITE STRIPE
 - (F) TYPE III BARRICADE W/"ROAD CLOSED" R11-2 SIGN
 - (G) CUTOFF WALL PER COA STD DWG 2415B
 - (H) EXISTING TEMPORARY STOP BAR



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PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

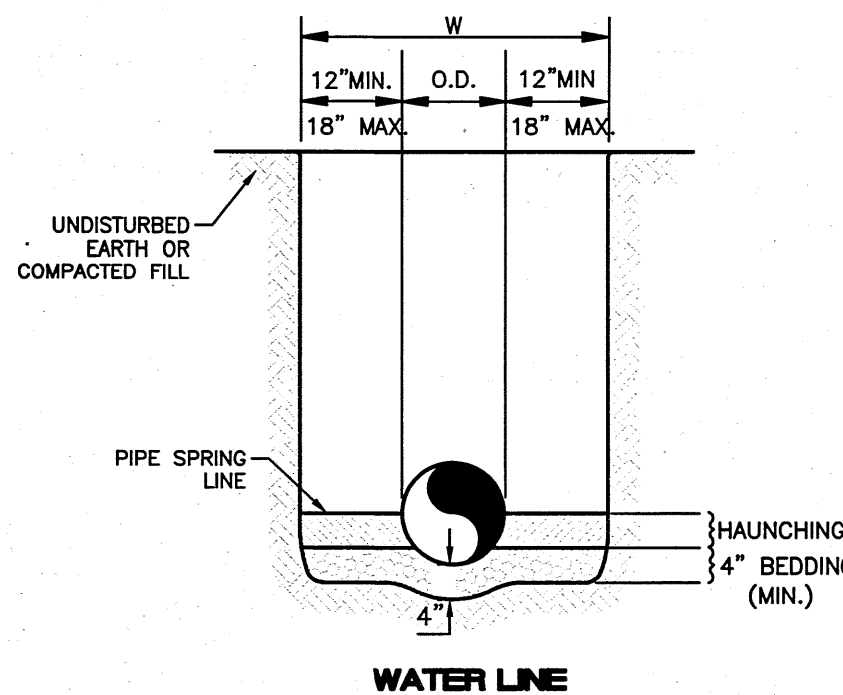
**TITLE: THE BOULDERS PHASE 3
UNSER BLVD STRIPING PLAN**

DESIGN REVIEW COMMITTEE APPROVED MAR 03 2014	CITY ENGINEER APPROVAL APPROVED JUN 12 2014	MO./DAY/YR.	

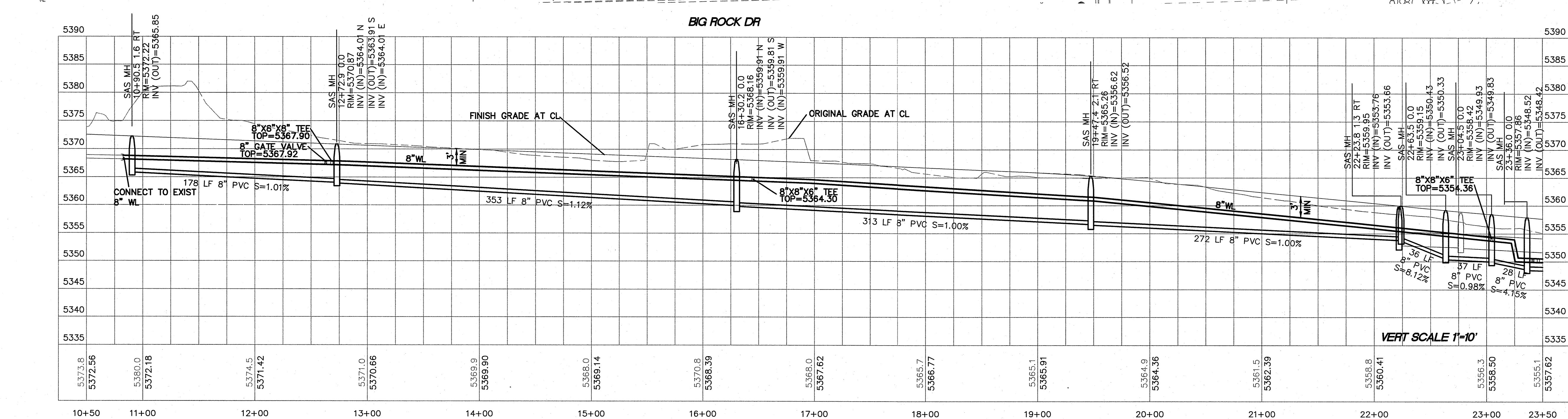
DESIGNED BY: VC
DRAWN BY: PM
DRAWING NAME: PH3-UNSER-STRIPING
CHECKED BY: VC

ZONE MAP NO. **761788** SHEET **14** OF **22**

AS BUILT INFORMATION			
CONTRACTOR	INSPECTOR'S STAND BY	DATE	DATE
STANDARD A.C.S. BRASS TABLET (FOUND IN PLACE)	INSPECTOR'S FIELD VERIFICATION BY	DATE	DATE
NO.	NO.	NO.	NO.
SURVEY INFORMATION			
FIELD NOTES	DATE	DATE	DATE
BY	BY	BY	BY
NO.	NO.	NO.	NO.
ENGINEER'S SEAL			
REMARKS	REVISIONS	DESIGN	DATE: 2-12-14
NO.	DATE	DATE	DATE: 2-12-14
NO.	DATE	DATE	DATE: 2-12-14
NO.	DATE	DATE	DATE: 2-12-14



761788	ZONE MAP NO. B-10-Z & B-11-Z	SHEET 15	OF 22
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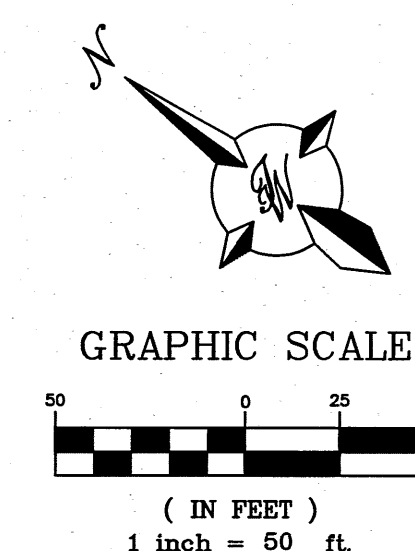


LOT #	STATION	SERVICE
1&2	11+17.2	DOUBLE
3&4	12+07.1	DOUBLE
5&6	12+97.1	DOUBLE
7&8	13+87.1	DOUBLE
9&10	14+77.1	DOUBLE
11&12	15+67.1	DOUBLE
13	16+61.5	SINGLE
14&15	17+59.4	DOUBLE
16&17	18+59.4	SINGLE
18&19	19+57.9	DOUBLE
20&21	20+58.5	DOUBLE
21&22	21+68.5	DOUBLE
22&23	21+59.6	DOUBLE
24&25	22+68.3	DOUBLE
26	22+04.9	SINGLE
27	21+47.0	SINGLE
28&29	20+94.9	DOUBLE
30&31	19+94.3	DOUBLE
32&33	18+92.6	DOUBLE
34&35	17+92.6	DOUBLE
36&37	16+92.6	DOUBLE
38&39	15+23.9	DOUBLE
40	14+66.8	SINGLE

LOT #	STATION*	LF	INV.*	ELEV. • P
1	11+06	32	5366.73	5372.7
2	11+52	32	5366.38	5372.4
3	11+94	32	5366.07	5372.1
4	12+42	32	5365.70	5371.7
5	12+84	32	5365.02	5371.1
6	13+32	32	5365.01	5371.0
7	13+74	30	5364.70	5370.7
8	14+22	30	5364.33	5370.3
9	14+64	30	5364.02	5370.0
10	15+12	30	5363.65	5369.6
11	15+57	30	5363.31	5369.3
12	16+09	30	5362.91	5368.9
13	16+99	27	5362.23	5368.2
14	17+49	27	5361.80	5367.8
15	18+00	27	5361.38	5367.4
16	18+49	27	5360.95	5366.9
17	18+97	27	5360.54	5366.5
18	19+43	27	5359.99	5366.0
19	19+99	27	5358.98	5365.0
20	20+48	27	5358.02	5364.0
21	21+02	27	5356.95	5362.9
22	21+50	27	5356.00	5362.0
23	22+02	27	5354.96	5361.0
24	22+60	27	5353.82	5359.8
25	22+95	27	5353.18	5359.2
26	23+43	26	5352.30	5358.3
27	23+83	26	5351.25	5357.1
28	21+38	27	5350.23	5356.2
29	20+85	27	5357.28	5363.3
30	20+49	27	5358.38	5364.4
31	19+84	27	5359.27	5365.3
32	19+29	27	5360.18	5366.2
33	18+82	27	5360.67	5366.7
34	18+28	27	5361.14	5367.1
35	17+82	27	5361.52	5367.5

LOT #	STATION*	LF	INV.*	ELEV. @ PI
36	17+36	27	5361.90	5369.9
37	16+82	27	5362.36	5368.4
38	15+59	27	5363.29	5369.3
39	15+14	27	5363.64	5369.6
40	14+54	27	5364.09	5370.1

1. SANITARY SEWER SERVICE CONNECTION PER COA STD DWG 2125.
2. ALL FIRE HYDRANTS ARE TO BE BUILT WITH MECH RESTRAINTS PER COA STANDARDS.
3. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.
4. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
5. ALL WATERLINES ARE C900 PVC (DR18) UNLESS OTHERWISE NOTED.
6. ALL SANITARY SEWER LINES ARE TO BE SDR35 UNLESS OTHERWISE NOTED.



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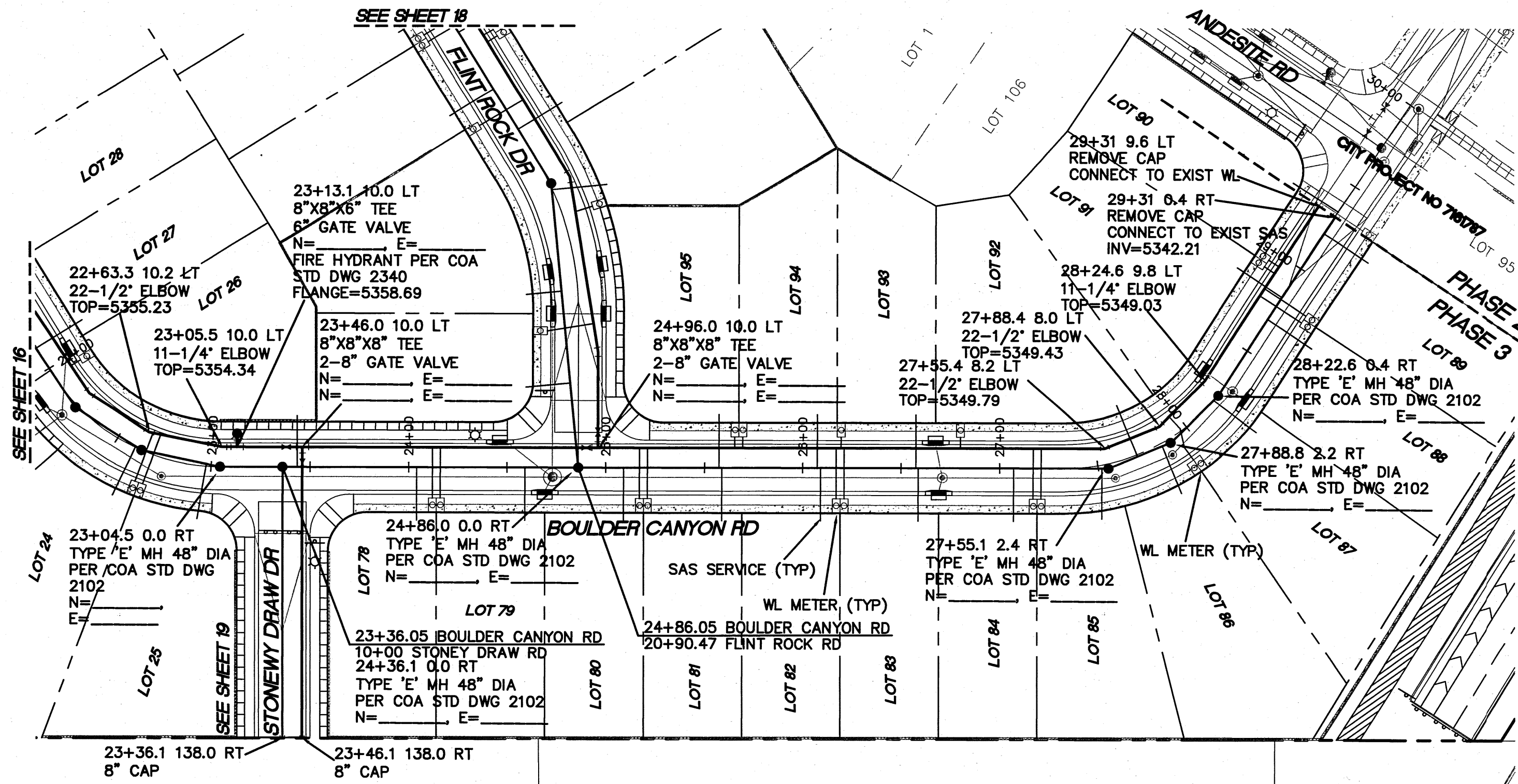
TITLE: **THE BOULDERS PHASE 3**
BIG ROCK DR UTILITY IMPROVEMENTS
10+50 TO 23+50

DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL		LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
						
DESIGN REVIEW COMMITTEE		CITY ENGINEER				

CAUTION:
EXISTING UTILITIES ARE NOT SHOWN.
IT SHALL BE THE SOLE RESPONSIBILITY
OF THE CONTRACTOR TO CONDUCT ALL
NECESSARY FIELD INVESTIGATIONS PRIOR
TO ANY EXCAVATION TO DETERMINE THE
ACTUAL LOCATION OF UTILITIES & OTHER
IMPROVEMENTS.

CONTRACTOR TO POTHOLE AND VERIFY
EXISTING SAS INVERT PRIOR TO
CONSTRUCTION.

761788	ZONE MAP NO. B-10-Z & B-11-Z	SHEET 16	OF 22
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- NOTES:
1. SANITARY SEWER SERVICE CONNECTION PER COA STD DWG 2125.
 2. ALL FIRE HYDRANTS ARE TO BE BUILT WITH MECH RESTRAINTS PER COA STANDARDS.
 3. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.
 4. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
 5. ALL WATERLINES ARE C900 PVC (DR18) UNLESS OTHERWISE NOTED.
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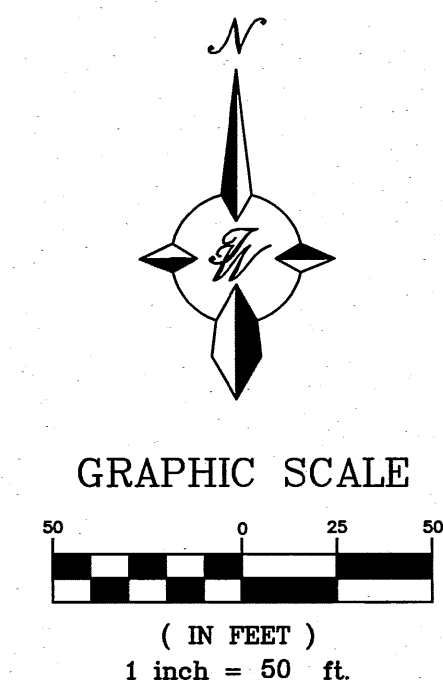
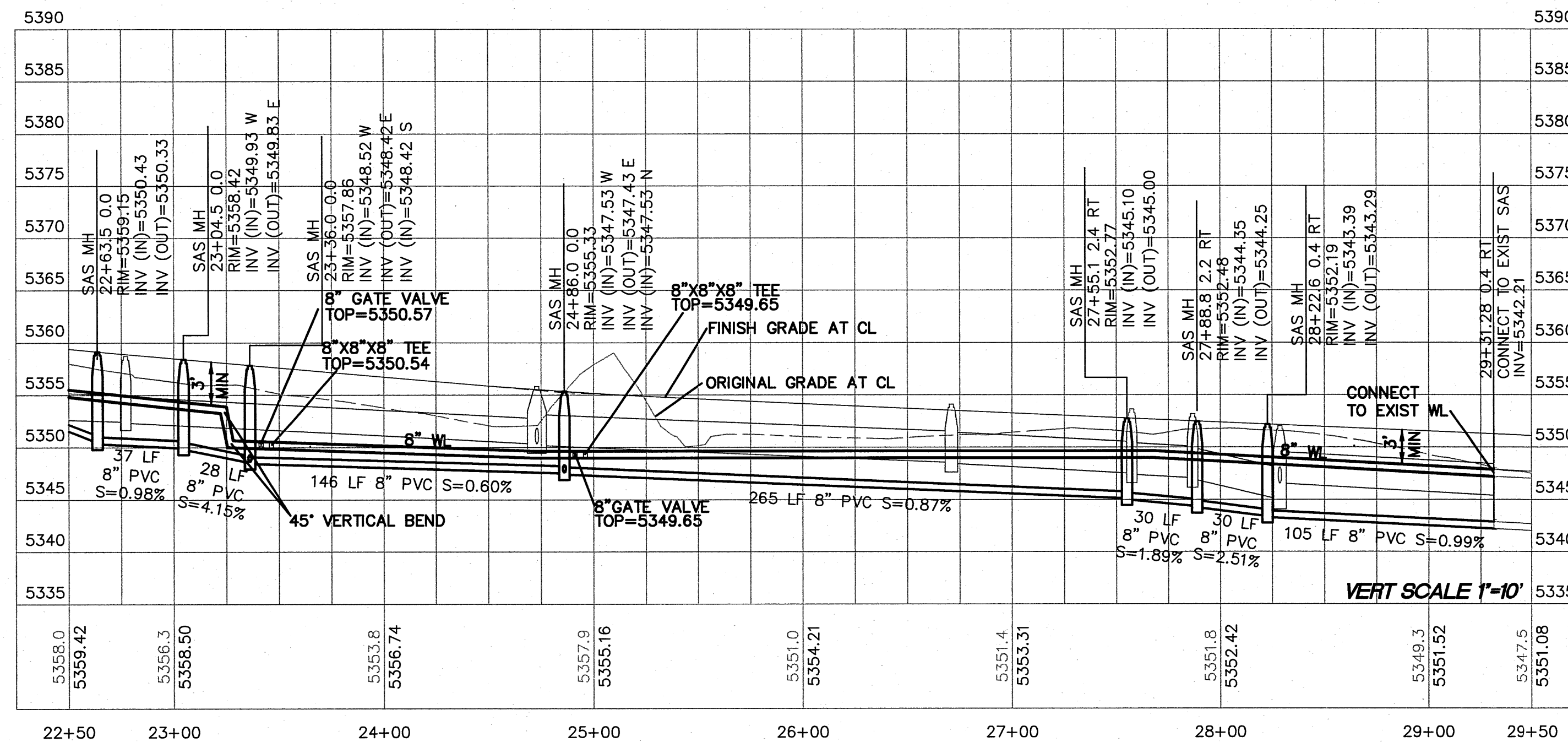
WL SERVICE TABLE

LOT #	STATION	SERVICE
24&25	22+68.3	DOUBLE
78&79	24+14.0	DOUBLE
80&81	25+19.0	DOUBLE
82&83	26+19.0	DOUBLE
84&84	27+19.0	DOUBLE
86&87	27+83.1	DOUBLE
88&89	28+79.0	DOUBLE
92	28+92.7	SINGLE
93	26+80.1	SINGLE
94&95	25+67.5	DOUBLE

SAS SERVICE TABLE

LOT #	STATION*	LF	INV.*	ELEV. @ PL
24	22+60	27	5353.82	5359.8
25	22+95	27	5353.18	5359.2
78	24+04	27	5321.27	5357.3
79	24+59	27	5350.32	5356.3
80	25+09	27	5349.65	5355.6
81	25+59	27	5349.17	5355.2
82	26+09	27	5348.73	5354.7
83	26+59	27	5348.28	5354.3
84	27+07	27	5347.85	5353.8
85	27+47	27	5347.49	5353.5
86	27+77	27	5347.22	5353.2
87	28+19	27	5346.85	5352.8
88	28+69	27	5346.40	5352.4
89	28+21	27	5345.93	5351.9
90	29.34	27	5345.82	5351.8
91	28+82	27	5346.28	5352.3
92	27+70	27	5347.29	5353.3
93	26+57	27	5348.29	5354.3
94	26+07	27	5348.74	5354.7
95	25+57	27	5349.18	5355.2

* @ END OF SERVICE LINE



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www.tierrowestllc.com

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **THE BOULDERS PHASE 3
BOULDER CANYON RD UTILITY IMPROVEMENTS
22+50 TO 29+50**

DESIGN REVIEW COMMITTEE: **APPROVED** MAR 03 2014
CITY ENGINEER APPROVAL: **APPROVED** JUN 11 2014

DESIGNED BY: VC
DRAWN BY: PTH
DRAWING NAME: PH3-BIG ROCK-MU
CHECKED BY: VC

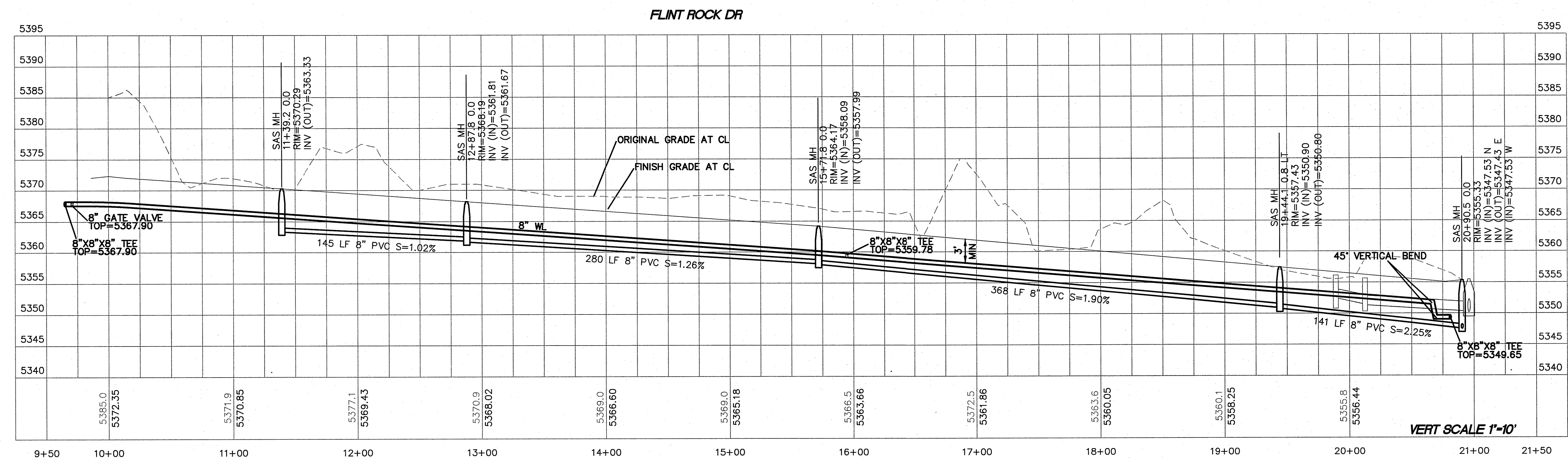
DATE: 2-12-14
DATE: 2-12-14
JOB NO.: 2011005
DATE: 2-12-14

MO./DAY/YR. MO./DAY/YR.

761788 B-10-2 & B-11-2 17 22

CAUTION:
EXISTING UTILITIES ARE NOT SHOWN.
IT SHALL BE THE SOLE RESPONSIBILITY
OF THE CONTRACTOR TO CONDUCT ALL
NECESSARY FIELD INVESTIGATIONS PRIOR
TO ANY EXCAVATION TO DETERMINE THE
ACTUAL LOCATION OF UTILITIES & OTHER
IMPROVEMENTS.

CONTRACTOR TO POT HOLE AND VERIFY
EXISTING SAS INVERT PRIOR TO
CONSTRUCTION.



LOT #	STATION	SERVICE
62	11+16.8	SINGLE
63&64	12+14.8	DOUBLE
65	13+86.3	SINGLE
66&67	14+43.7	DOUBLE
68&69	15+46.6	DOUBLE
70&71	16+48.3	DOUBLE
72&73	17+48.3	DOUBLE
74&75	18+48.3	DOUBLE
76	19+00.1	SINGLE
77	20+22.9	SINGLE
96	19.61.9	SINGLE
97&98	18+64.3	DOUBLE
99&100	17+59.3	DOUBLE
101&102	16+52.3	DOUBLE
103&104	14+93.8	SINGLE
105&106	13+73.5	DOUBLE
60&61	12+35.2	DOUBLE
59	11+82.2	SINGLE

LOT #	STATION*	LF	INV.*	ELEV.	PL
62	11+55	26	5364.67	5370.7	
63	12+05	26	5363.97	5370.0	
64	12+49	26	5363.33	5369.3	
65	13+76	26	5364.54	5370.5	
66	14+33	26	5360.73	5366.7	
67	14+88	26	5359.95	5365.9	
68	15+36	26	5359.27	5365.3	
69	15+84	26	5358.50	5364.5	
70	16+38	26	5357.57	5363.6	
71	16+88	26	5356.67	5362.7	
72	17+38	26	5355.77	5361.8	
73	17+88	26	5354.86	5360.9	
74	18+35	26	5353.96	5360.0	
75	18+88	26	5353.06	5359.1	
76	20+01	26	5351.02	5357.0	
77	20+46	26	5350.22	5356.2	
96	19+55	26	5351.86	5357.9	
97	19+12	26	5352.62	5358.6	
98	18+54	26	5353.67	5359.7	
99	18+04	26	5354.58	5360.6	
100	17+49	26	5355.57	5361.6	
101	16+94	26	5355.36	5361.4	
102	16+42	26	5357.50	5363.5	
103	15+34	26	5359.31	5365.3	
104	14+84	26	5350.01	5366.0	
105	14+34	26	5360.72	5366.7	
106	13+84	26	5361.43	5367.4	
59	11+74	26	5364.40	5370.4	
60	12+25	26	5363.68	5369.7	
61	12+79	26	5362.92	5368.9	

CAUTION:
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NECESSARY FIELD INVESTIGATIONS PRIOR
TO ANY EXCAVATION TO DETERMINE THE
ACTUAL LOCATION OF UTILITIES & OTHER
IMPROVEMENTS.

NOTES:

1. SANITARY SEWER SERVICE CONNECTION PER COA STD DWG 2125.
2. ALL FIRE HYDRANTS ARE TO BE BUILT WITH MECH RESTRAINTS PER COA STANDARDS.
3. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.
4. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES TO BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
5. ALL WATERLINES ARE C900 PVC (DR18) UNLESS OTHERWISE NOTED.
6. ALL SANITARY SEWER LINES ARE TO BE SDR35 UNLESS OTHERWISE NOTED.

TIERRA WEST, LLC
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(505) 858-3100
www.tierrawestllc.com

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **THE BOULDERS PHASE 3**
FLINT ROCK DR UTILITY IMPROVEMENTS
10+00 TO 20+90.47

DESIGN REVIEW COMMITTEE
APPROVE
MAR 03 2014
DESIGN
REVIEW COMMITTEE

CITY ENGINEER APPROVAL

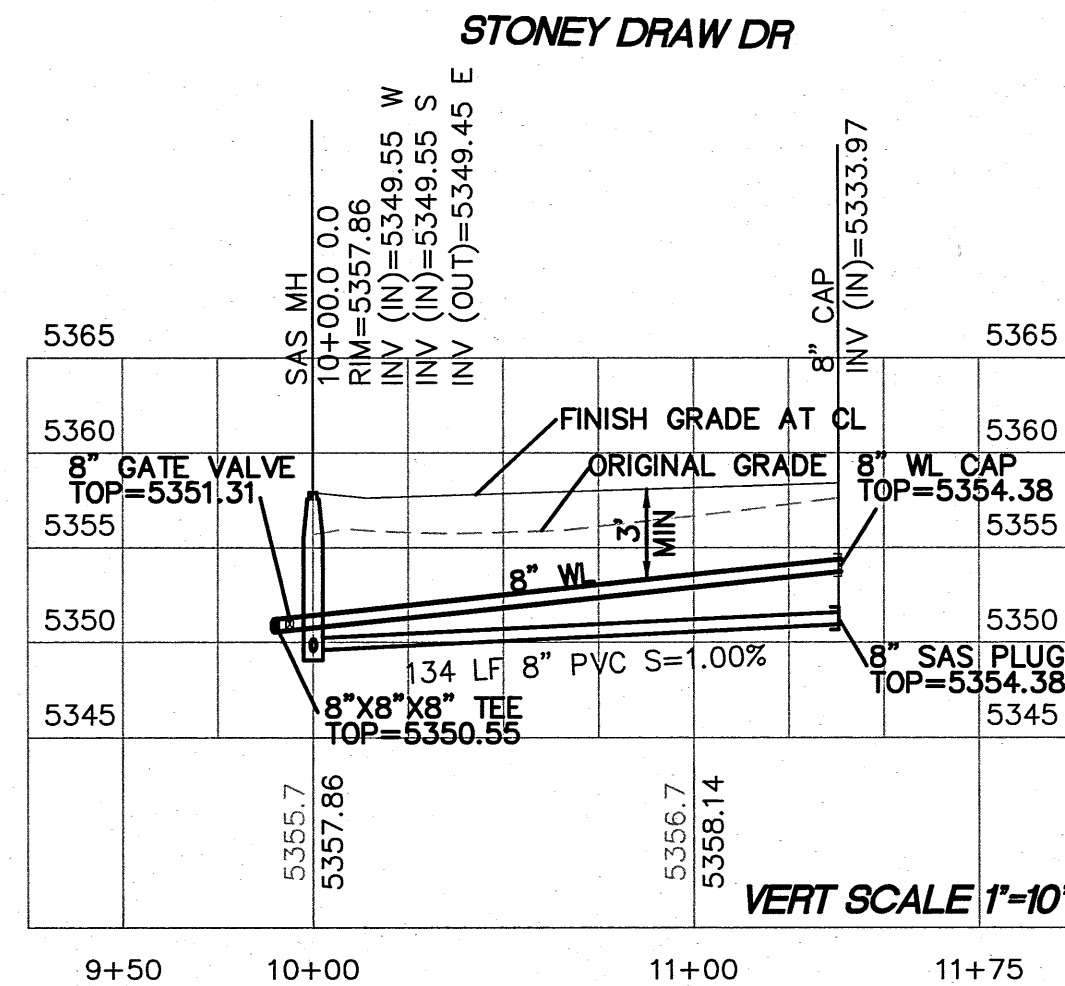
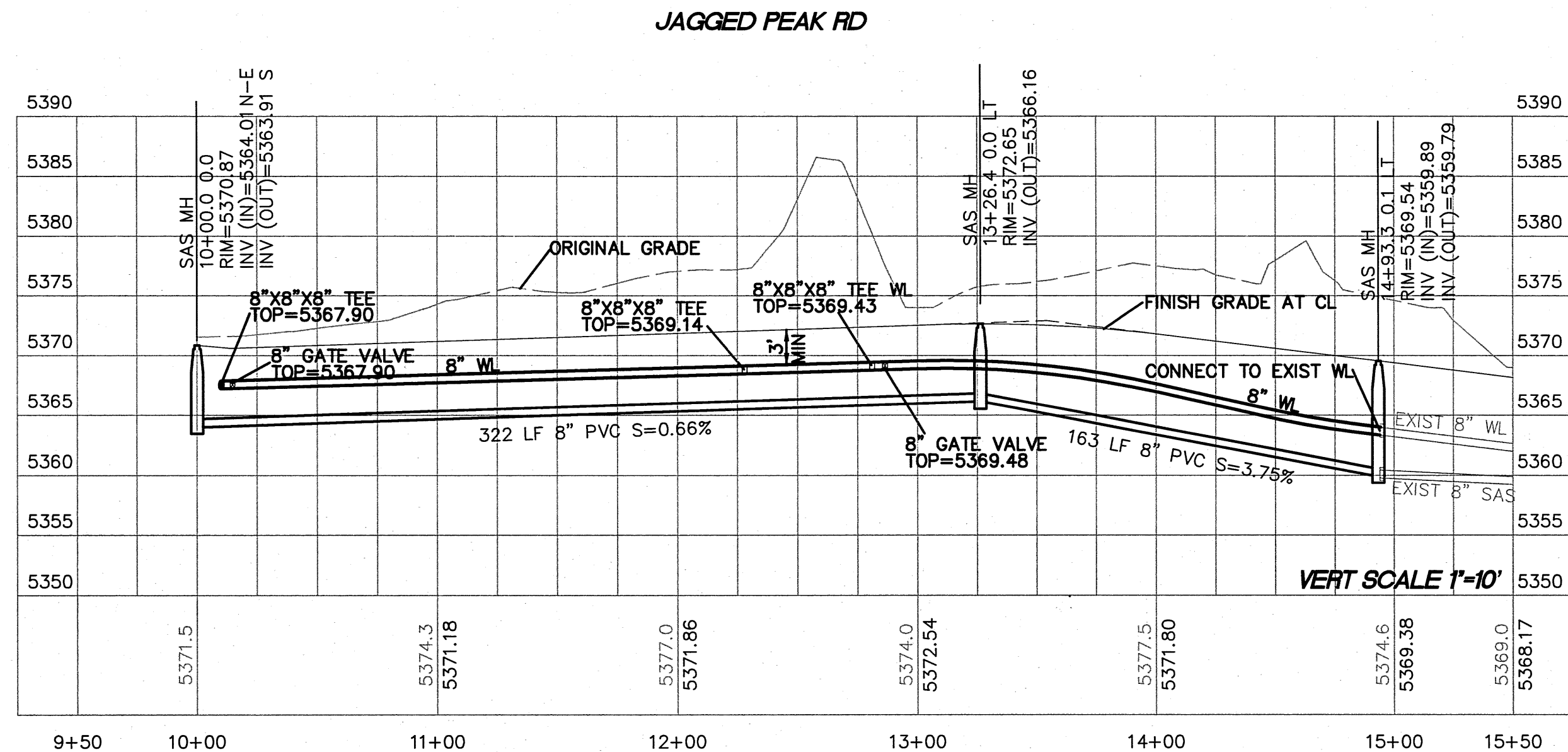
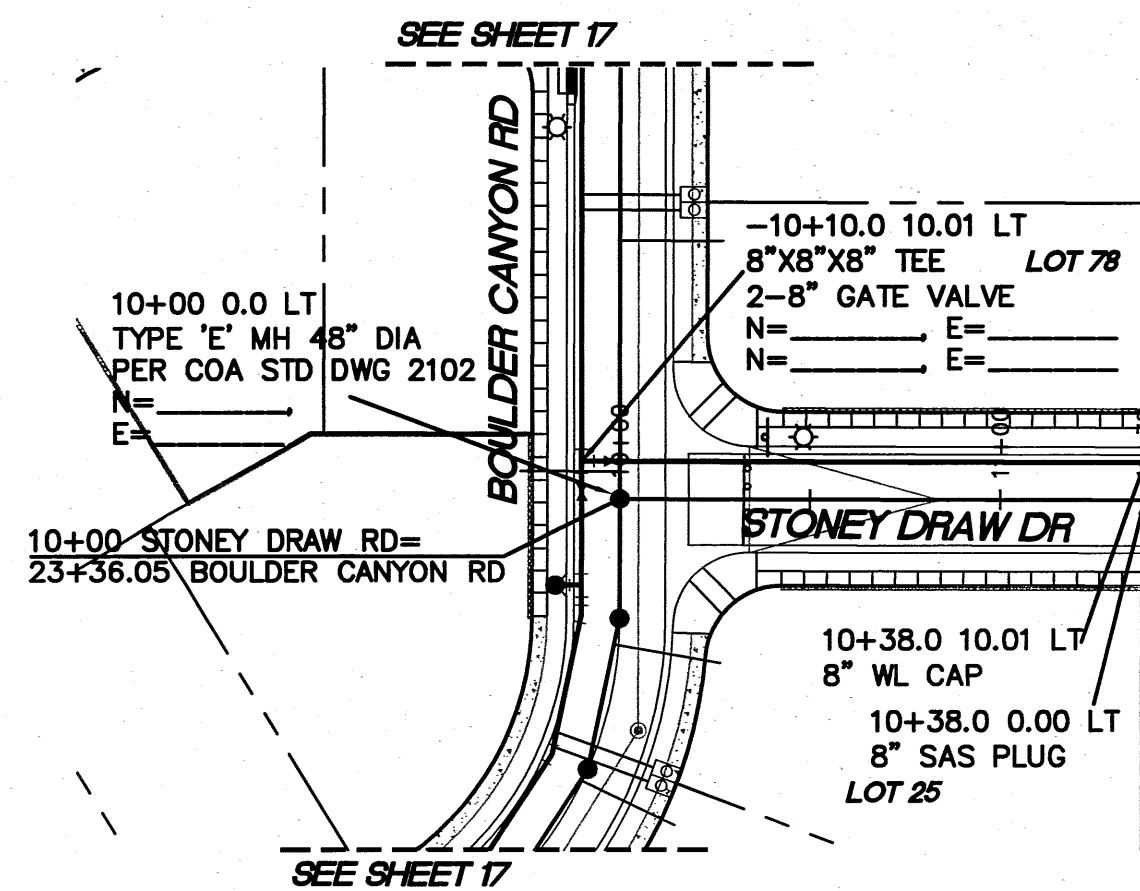
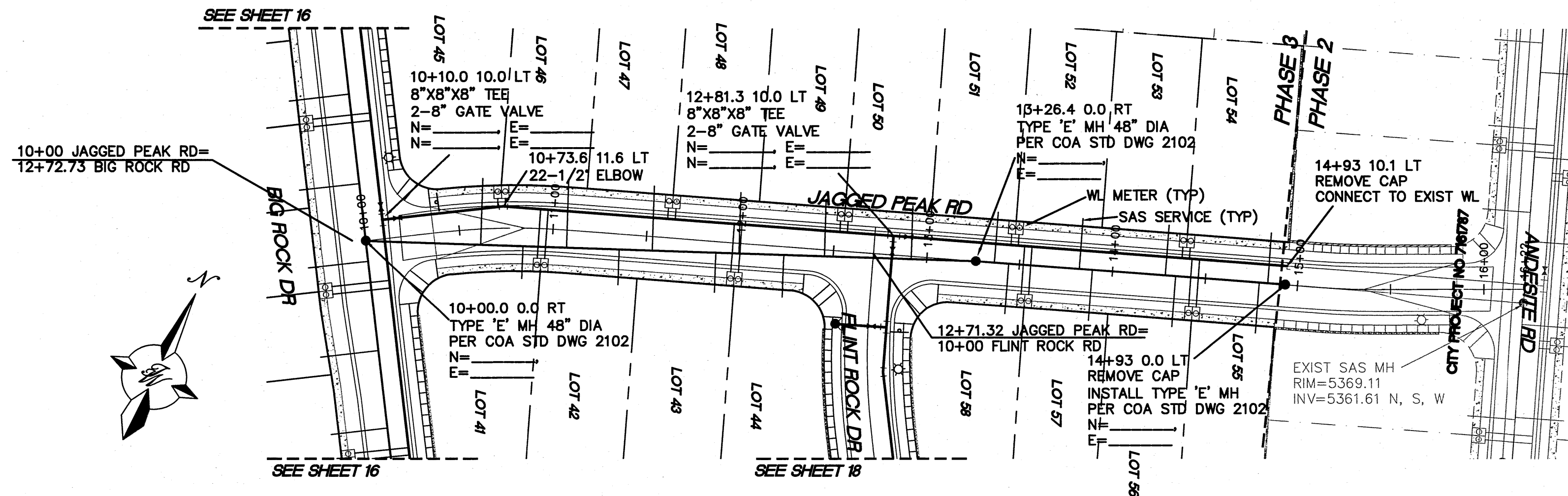
APPROVED

JUN 11 2014

CITY ENGINEER

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

761788	ZONE MAP NO. B-10-Z & B-11-Z	SHEET 18	OF 22
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- NOTES:
1. SANITARY SEWER SERVICE CONNECTION PER COA STD DWG 2125.
 2. ALL FIRE HYDRANTS ARE TO BE BUILT WITH MECH RESTRAINTS PER COA STANDARDS.
 3. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.
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WL SERVICE TABLE

LOT #	STATION	SERVICE
41&42	10+94.1	DOUBLE
43&44	11+98.5	DOUBLE
57&58	13+54.2	DOUBLE
55&56	14+44.2	DOUBLE
45&46	10+42.7	DOUBLE
47&48	11+62.6	DOUBLE
49&50	12+54.6	DOUBLE
51&52	13+46.6	DOUBLE
53&54	14+38.6	DOUBLE

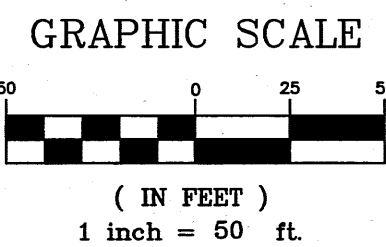
SAS SERVICE TABLE

LOT #	STATION*	LF	INV.*	ELEV. @ PL
41	10+83	27	5365.66	5371.7
42	11+37	27	5366.03	5372.0
43	11+88	27	5366.38	5372.4
44	12+25	27	5366.63	5372.6
45	10+64	27	5365.53	5371.5
46	11+06	27	5365.82	5371.8
47	11+52	27	5366.13	5372.1
48	11+98	27	5366.45	5372.4
49	12+44	27	5366.76	5372.8
50	12+90	27	5367.08	5373.1
51	13+36	27	5367.23	5373.2
52	13+82	27	5366.76	5372.8
53	14+28	27	5365.72	5371.7
54	14+84	27	5364.37	5370.4
55	14+79	27	5364.49	5370.5
56	14+34	27	5365.58	5374.6
57	13+89	27	5366.63	5372.6
58	13+44	27	5367.20	5373.2

* ● END OF SERVICE LINE

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IMPROVEMENTS.

CONTRACTOR TO POTHOLE AND VERIFY
EXISTING SAS INVERT PRIOR TO
CONSTRUCTION.



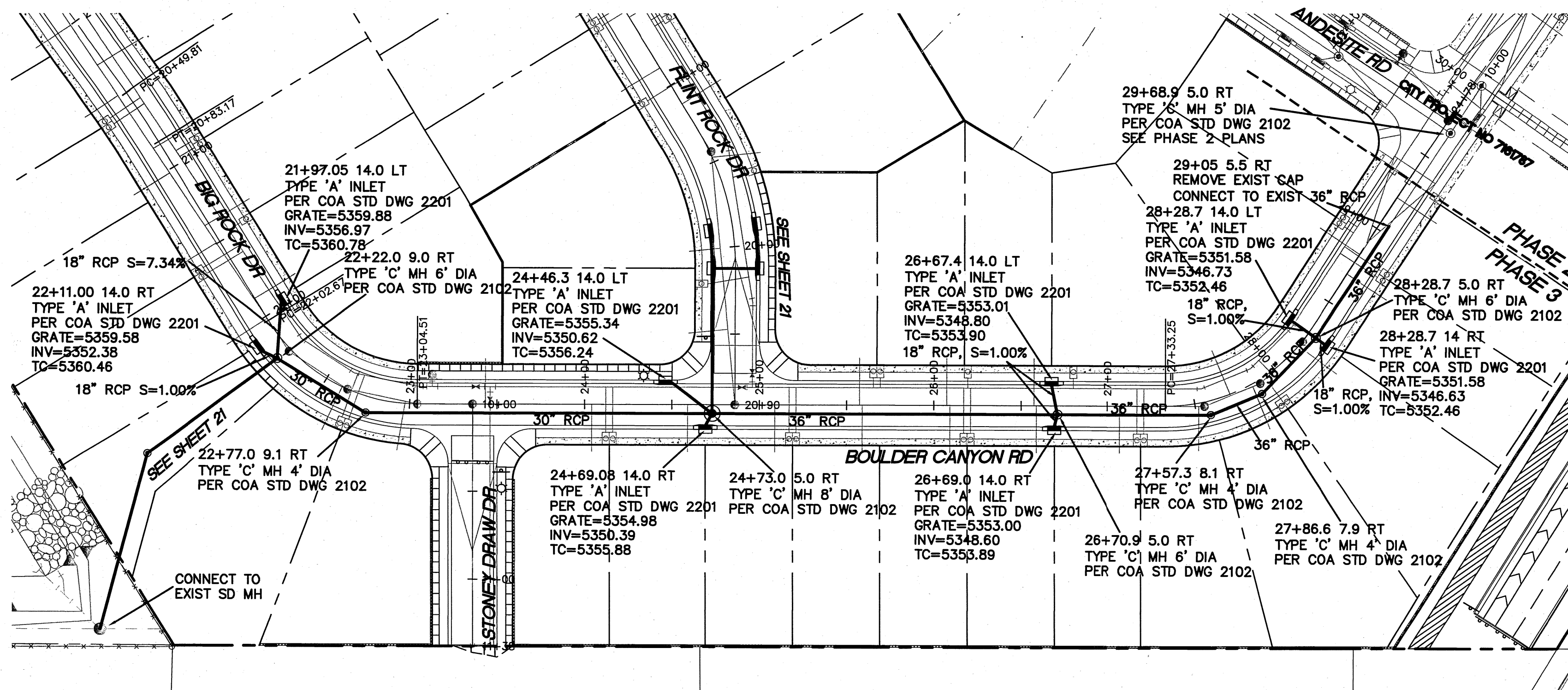
TERRA WEST, LLC
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ALBUQUERQUE, NEW MEXICO 87109
(505) 858-3100
www.tierrowestllc.com

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **THE BOULDERS PHASE 3**
JAGGED PEAK RD AND STONEY DRAW DR
UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAR 03 2014 DESIGN REVIEW COMMITTEE	APPROVED JUN 11 2014 CITY ENGINEER		
DESIGNED BY: VC	DRAWN BY: pm		
DRAWING NAME: PH3-JAGGED PEAK-MU	CHECKED BY: VC		

ZONE MAP NO. **761788** SHEET **19** OF **22**
B-10-2 & B-11-2

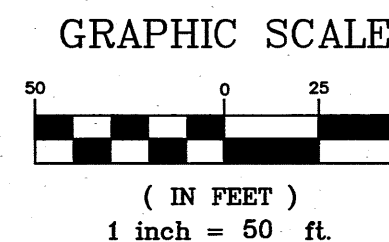
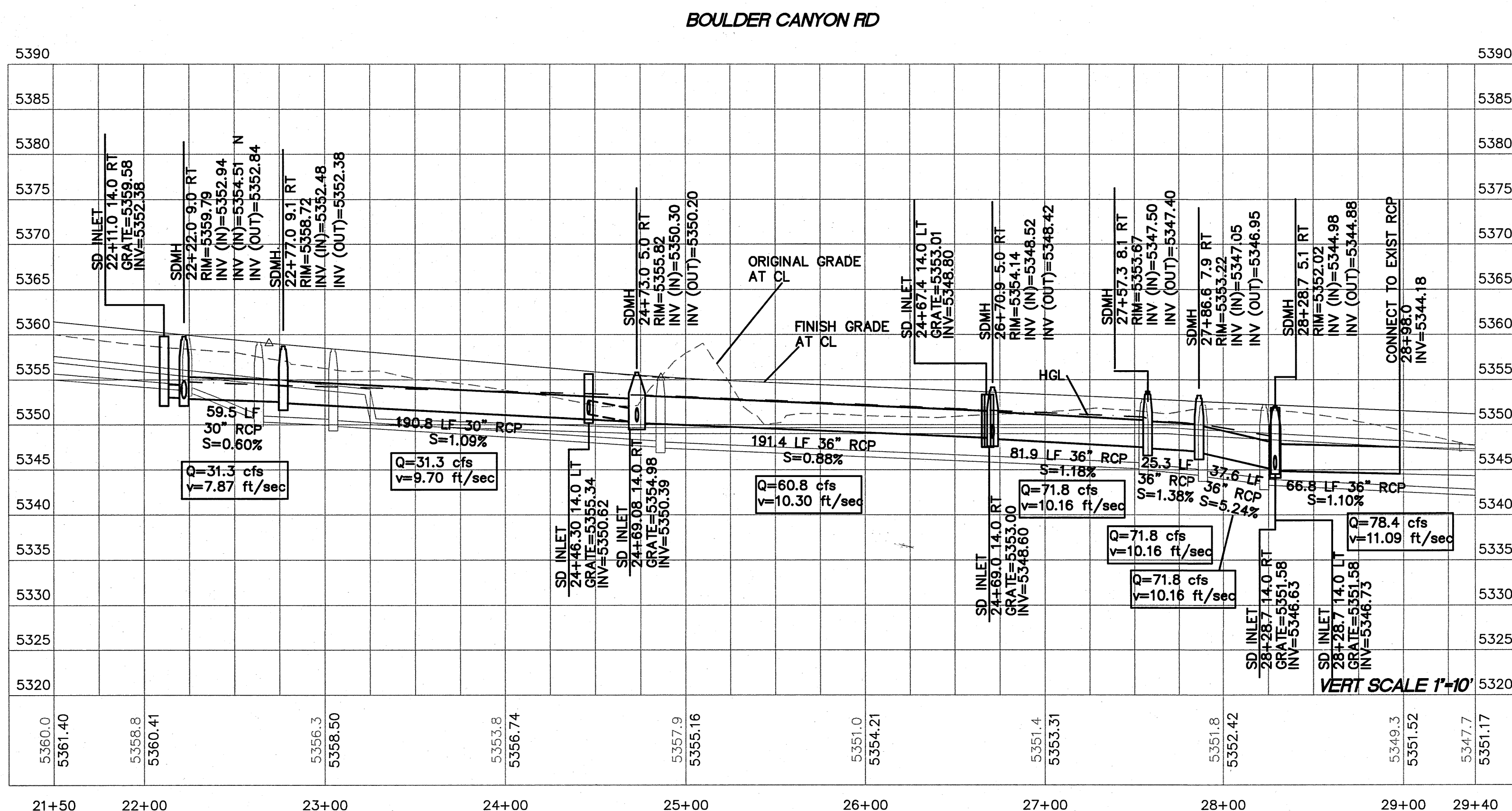


EROSION CONTROL NOTES

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 SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF THIS PROJECT.

NOTES

1. ALL RCP STORM DRAIN PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED
2. ALL INLET GRATES WILL BE PER COA STD DWG 2220.-Modified Reference sheet #7 for detail.

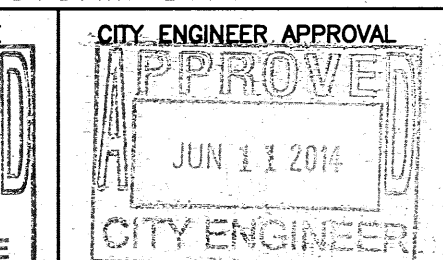


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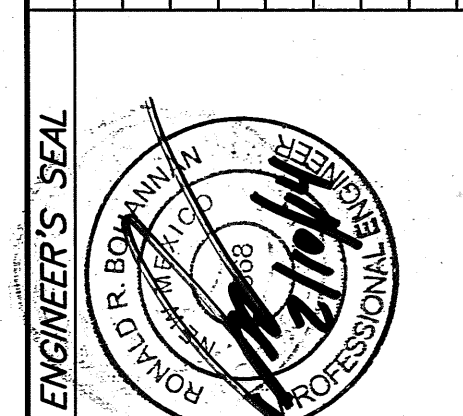
TITLE: **THE BOULDERS PHASE 3
BOULDER CANYON RD
STORM DRAIN IMPROVEMENTS**



MO./DAY/YR.	MO./DAY/YR.

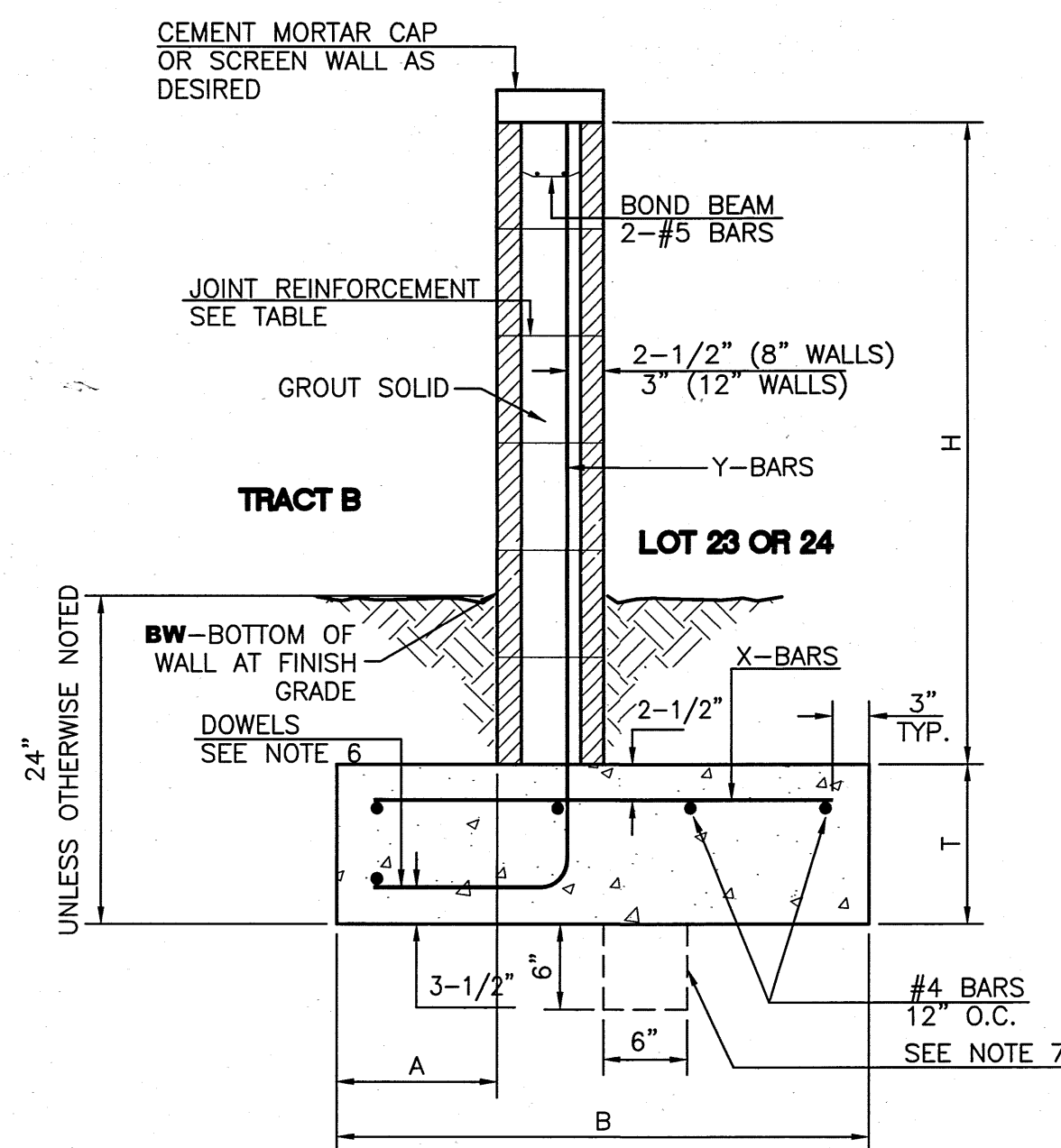
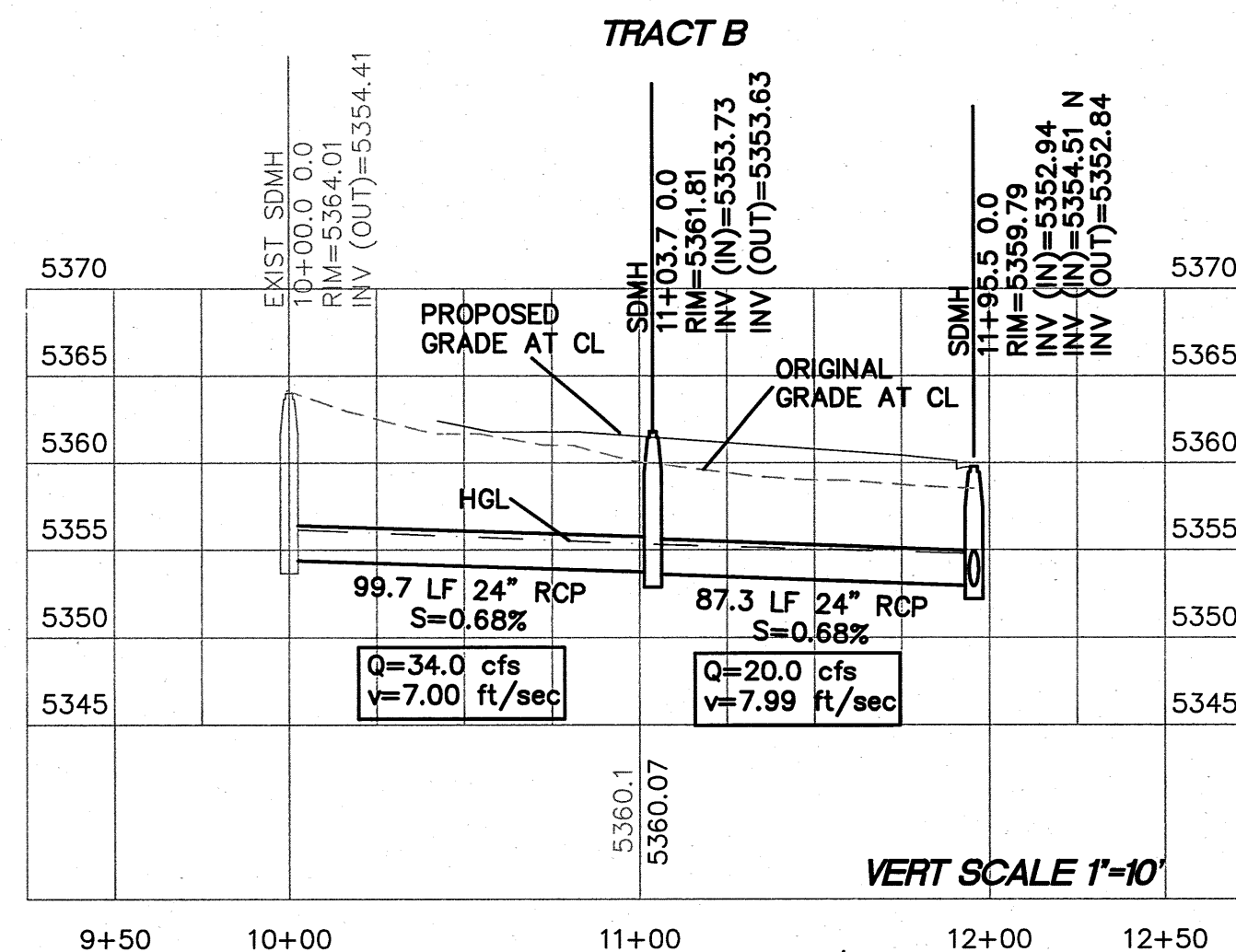
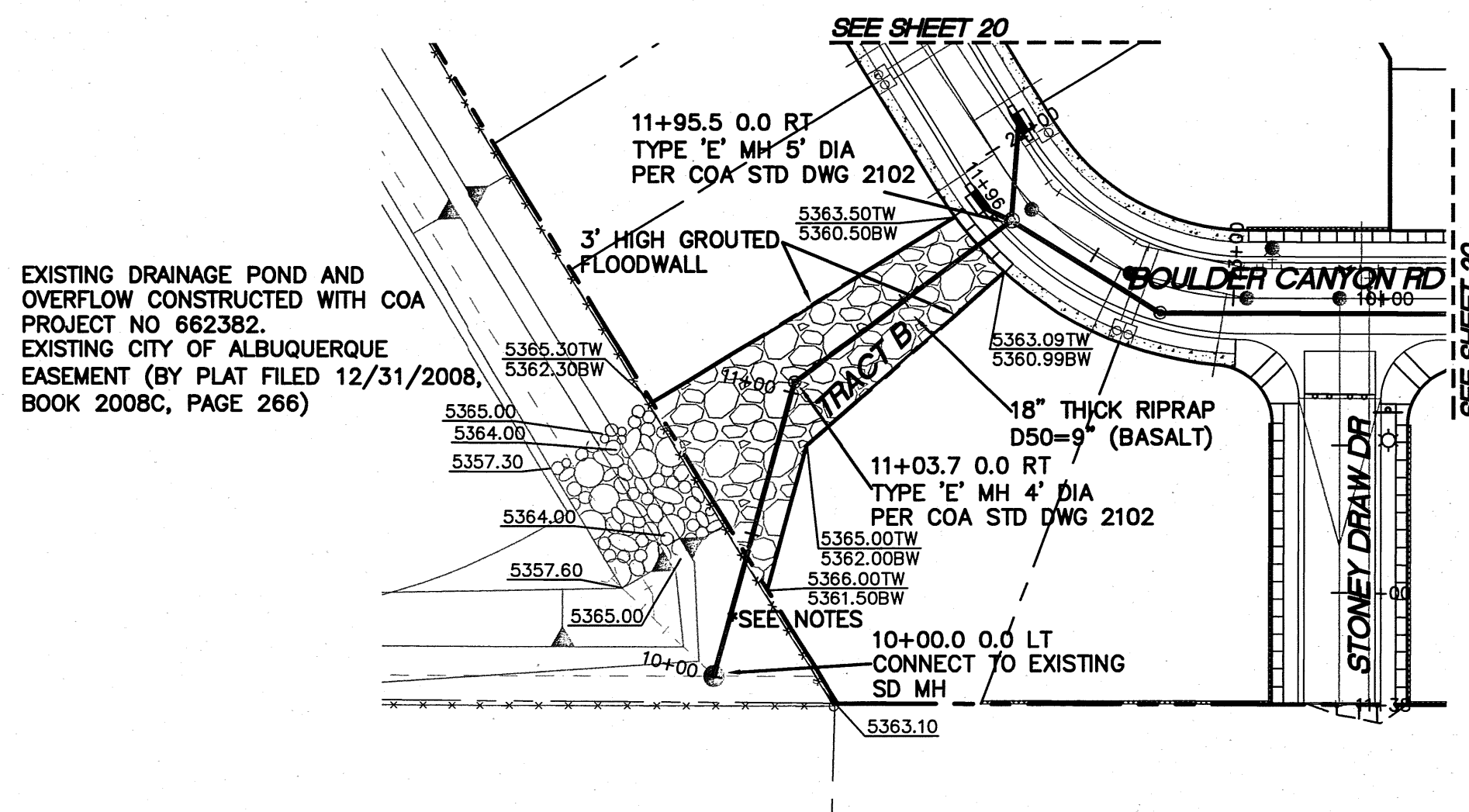
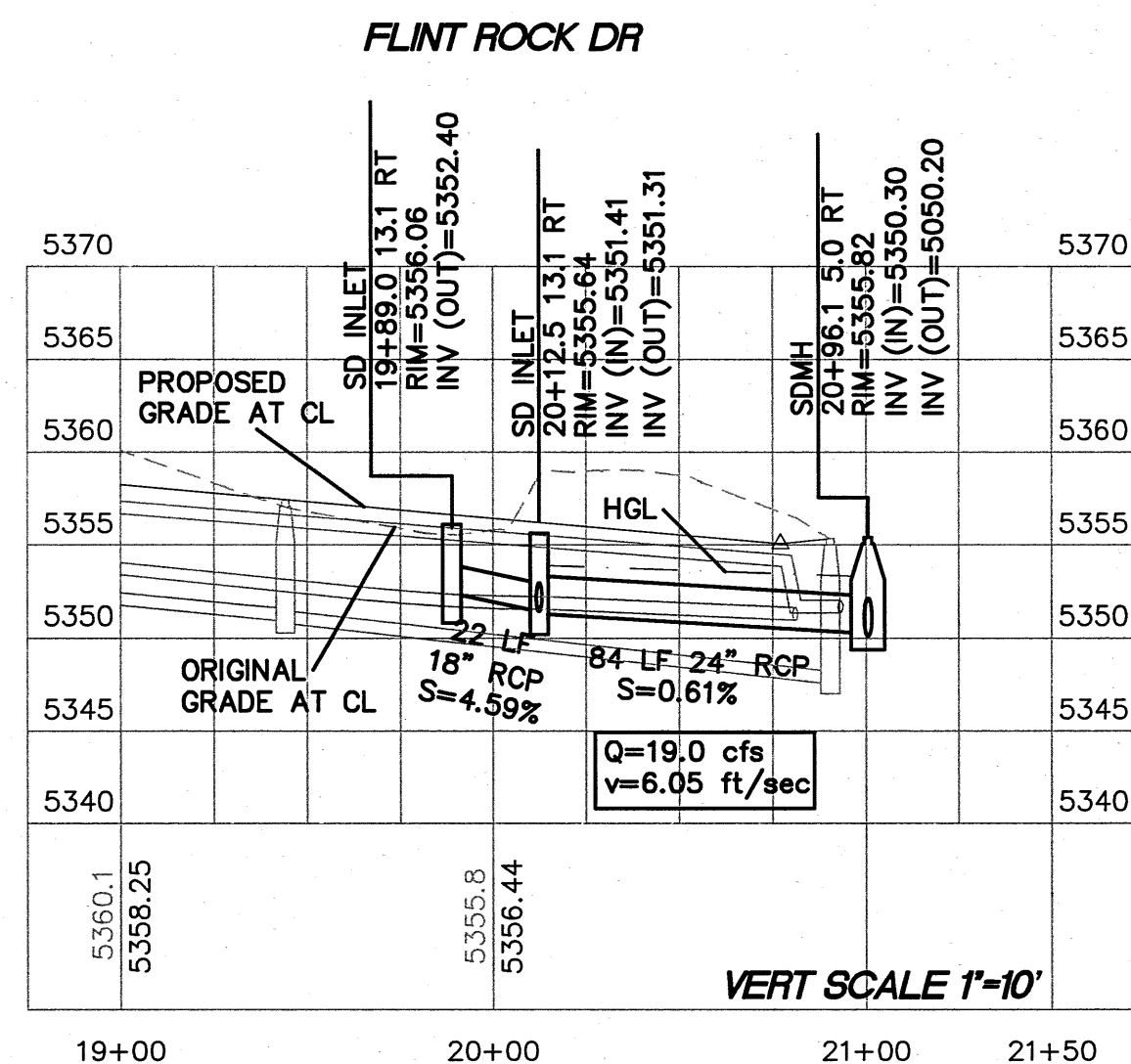
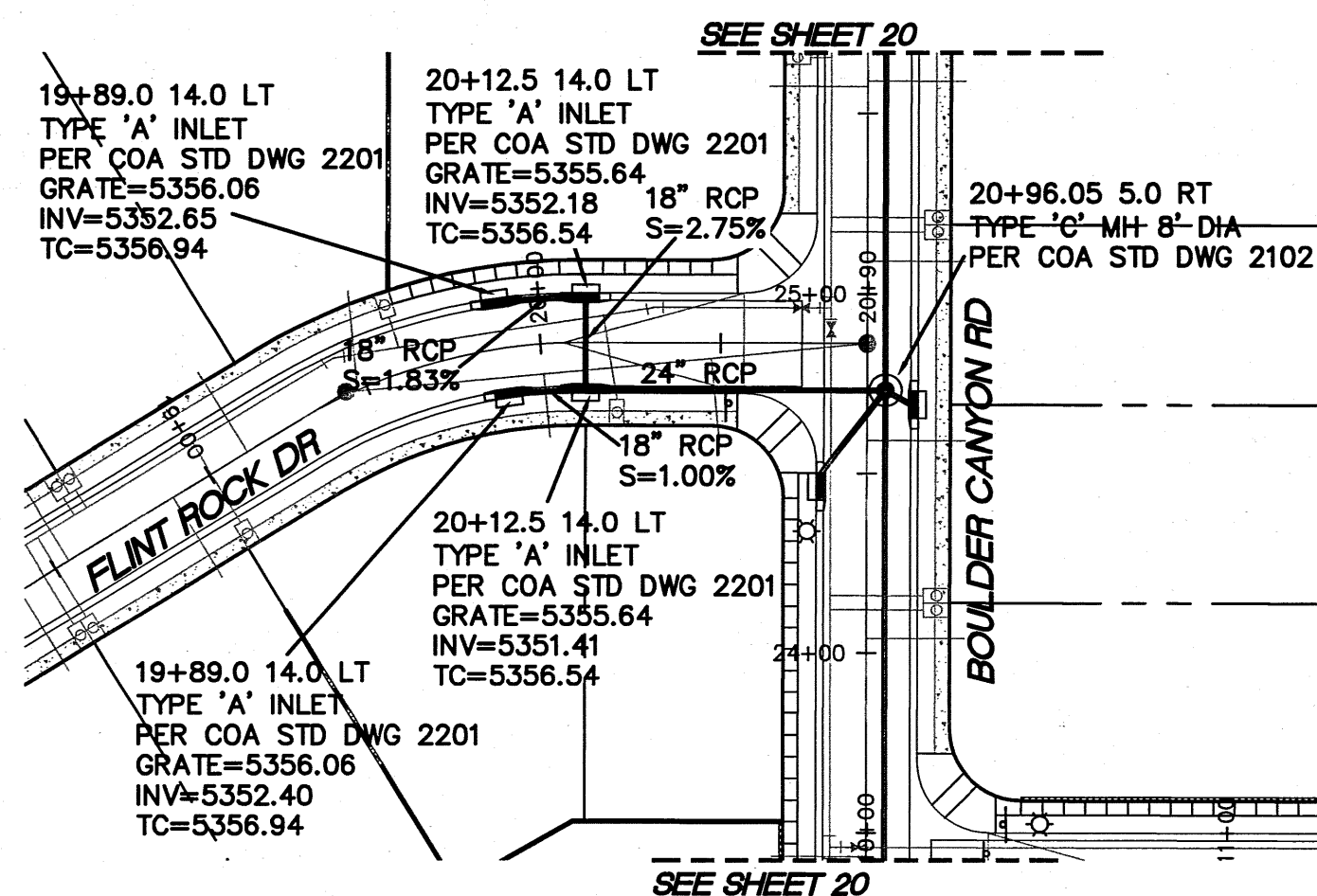
ZONE MAP NO. **761788** SHEET **20** OF **22**

AS BUILT INFORMATION	
CONTRACTOR	
WORK	
DATE	
ACCEPTANCE BY	
DATE	
REVISION BY	
DATE	
CORRECTED BY	
DATE	
MICRO-FILM INFORMATION	
RECORDED BY	
NO.	



SURVEY INFORMATION	
FIELD NOTES	
NO.	
BY	
DATE	
BENCH MARKS	
A.C.S. MONUMENT "10-B10"	
STANDARD A.C.S. BRASS TABLET (FOUND IN PLACE)	
NM STATE PLANE COORDINATES	
CENTRAL ZONE NAD 1983	
X=1,503,026.373	
Y=1,526,755.072	
G=0.999666666	
Do=-015'54.21"	
ELEVATION=5370.757 (NGVD 1988)	

REVISIONS	
NO.	DATE
1	2-12-14
2	2-12-14
3	2-12-14
4	2-12-14
5	2-12-14
6	2-12-14
7	2-12-14
8	2-12-14
9	2-12-14
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42	2-12-14
43	2-12-14
44	2-12-14
45	2-12-14
46	2-12-14
47	2-12-14
48	2-12-14
49	2-12-14
50	2-12-14



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.	#4 @24" 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.

GENERAL NOTES:

- ALL CONCRETE IS TO BE 4000 PSI @ 28 DAYS.
- MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM. D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE $\pm 2.0\%$.
- BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
- ALL BARS ARE TO BE GRADE 60, ASTM 615.
- TRUSS TYPE DUR-O-WALL EVERY OTHER COURSE.
- 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.
- PROVIDE KEY FOR 8" AND 12" WALLS WHERE H EXCEEDS 6'-0"
- USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 16'.
- 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".

NOTES

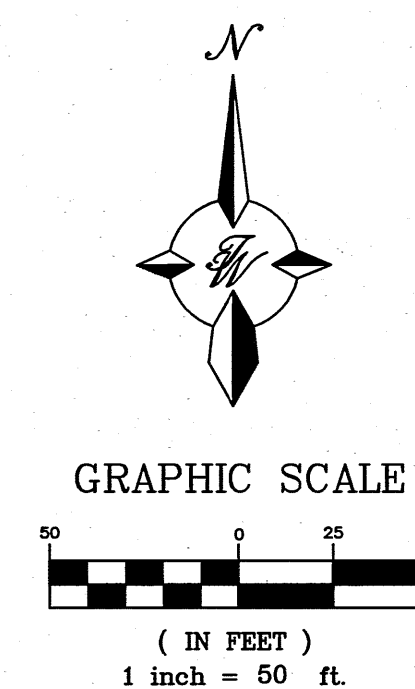
- REMOVE AND REPLACE EXISTING CHAINLINK FENCE
- RECONSTRUCT DRAINAGE POND BERM. COMPACT ENGINEERED FILL TO 95% OF ASTM D 1557

EROSION CONTROL NOTES:

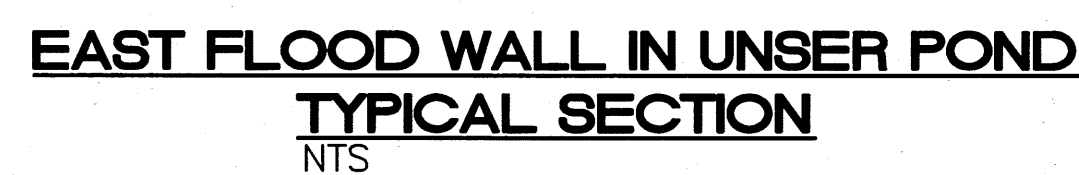
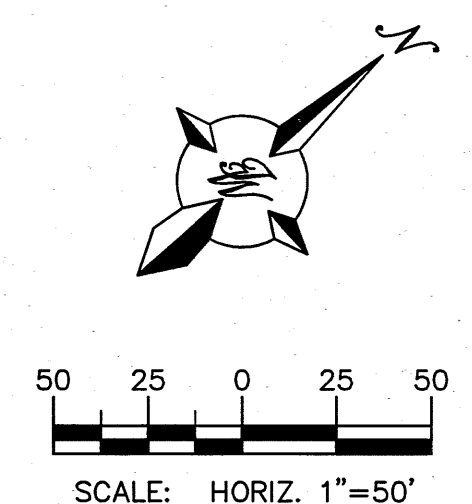
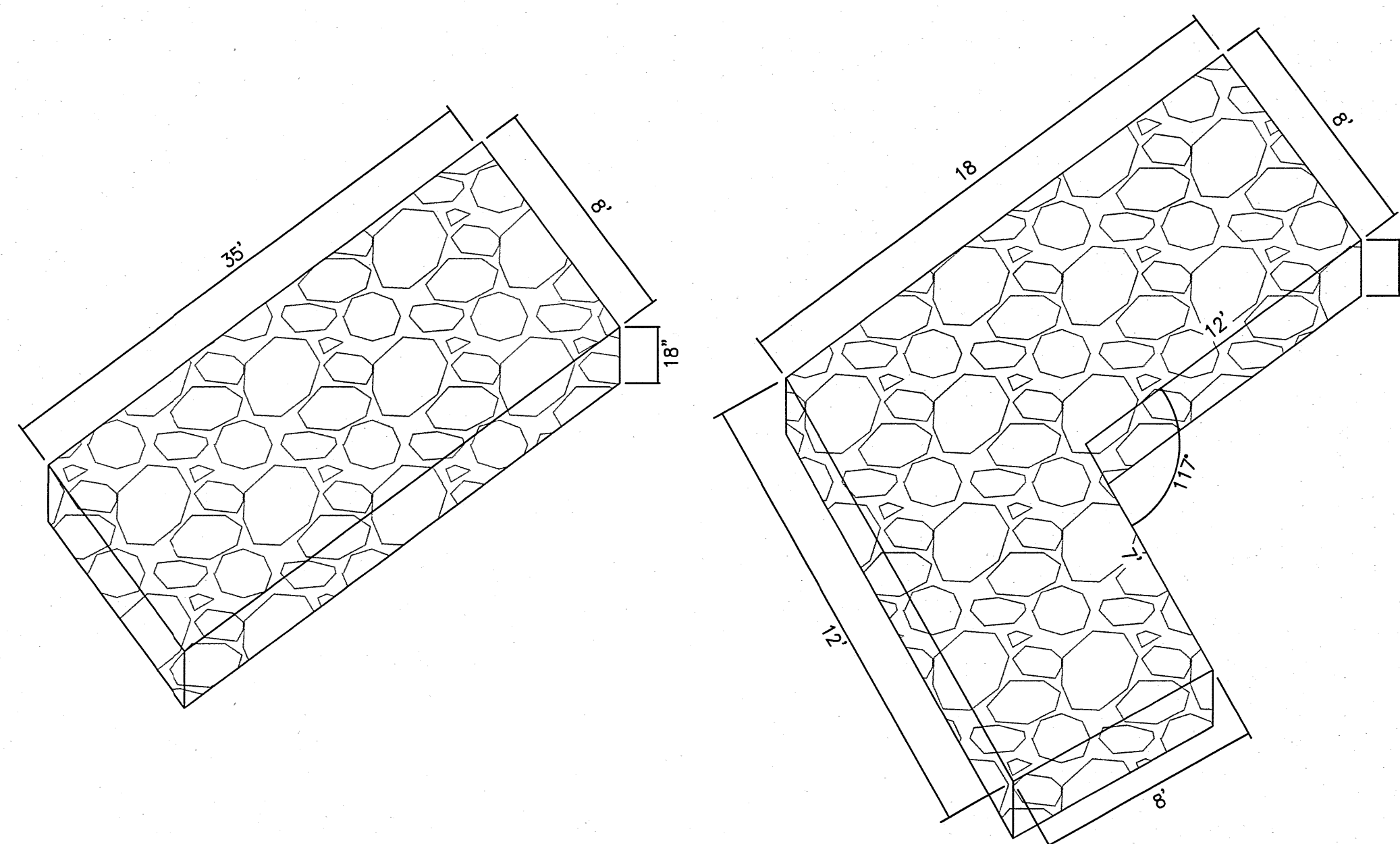
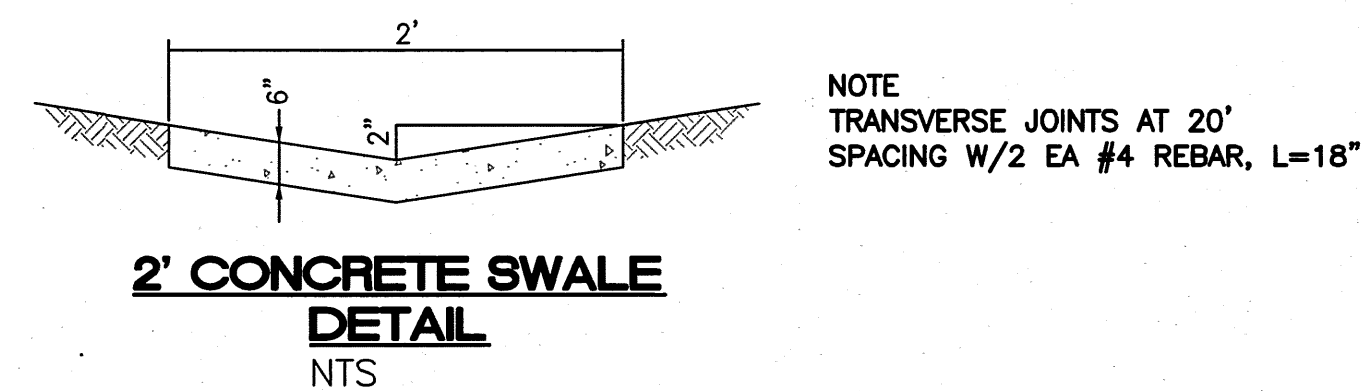
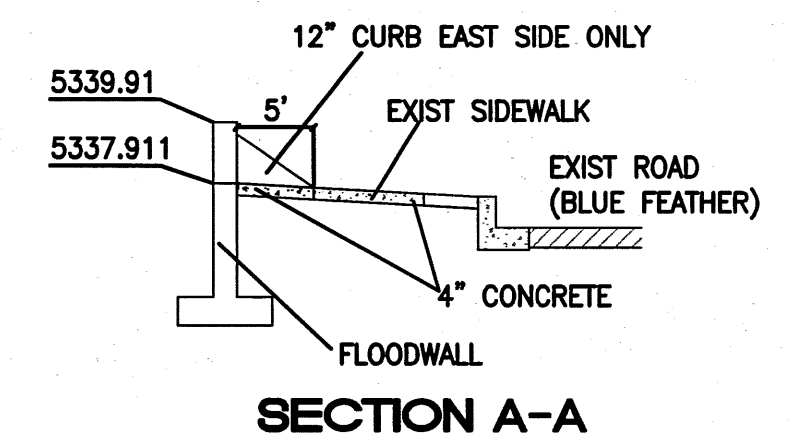
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NOTES:

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- ALL INLET GRATES WILL BE PER COA STD DWG 2220-MODIFIED REFERENCE SHEET #7 FOR DETAIL



TIERRA WEST, LLC 5571 MIDWAY PARK PL NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrawestllc.com		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: THE BOULDERS PHASE 3 FLINT ROCK DR STORM DRAINAGE IMPROVEMENTS TRACT B STORM DRAINAGE IMPROVEMENTS			
DESIGN REVIEW COMMITTEE APPROVED MAR 03 2014 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVED JUN 11 2014 CITY ENGINEER	MO./DAY/YR. _____	MO./DAY/YR. _____
ZONE MAP NO. 761788		SHEET 21 OF 22	

[illegible]