

CONSTRUCTION PLANS FOR *SUNDANCE ESTATES* *PHASE 1-B*

UTILITY & PAVING IMPROVEMENTS

CITY OF ALBUQUERQUE
NEW MEXICO
JUNE 2006

JW

INDEX TO DRAWINGS

1. TITLE SHEET
2. PLAT
3. GRADING AND DRAINAGE PLAN
4. MASTER PAVING PLAN
5. PAVING IMPROVEMENTS
COLD CREEK AVE NW / STA: 10+00 TO 20+00
6. PAVING IMPROVEMENTS
COLD CREEK AVE NW / STA: 20+00 TO 24+51.66
7. PAVING IMPROVEMENTS
LYONS BLVD NW / STA: 10+00 TO 14+52.39
8. MASTER UTILITY PLAN
9. UTILITY IMPROVEMENTS
COLD CREEK AVE NW / STA: 10+00 TO 20+00
10. UTILITY IMPROVEMENTS
COLD CREEK AVE NW / STA: 20+00 TO 24+58.66
11. UTILITY IMPROVEMENTS
LYONS BLVD NW / STA: 10+00 TO 13+74.09
12. STORM DRAIN IMPROVEMENTS
COLD CREEK AVE NW / STA: 23+74.73 TO 24+73.69
13. STORM DRAIN IMPROVEMENTS
LYONS BLVD NW / STA: 10+00 TO 12+97.24

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by David Vigil, of Jordan Gallegos, Inc., NMPS number 8911.

Engineer's Seal
Signature
7/27/07

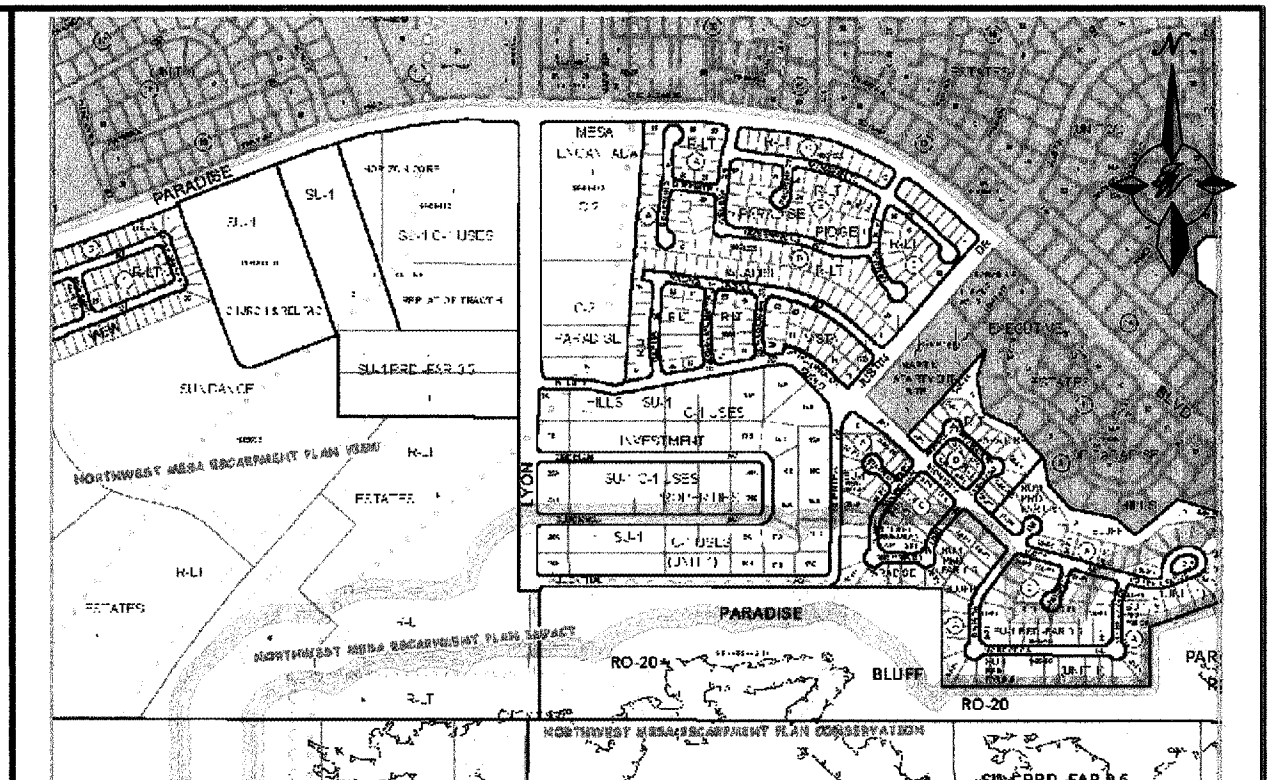
DRB # 1002632

TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
Paul J. Bohannon
DATE: 11-30-2007

RECORD DRAWING

Elevations are in NGVD 29.



VICINITY MAP ZONE ATLAS 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 #7) INCLUDING 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 COORDINATIONS DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO(2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADE 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 ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER 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 DESIGNERS 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. FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.
10. TWO-WAY TRAFFIC MUST BE MAINTAINED ON IRVING BLVD. AT ALL TIMES.
11. ALL UTILITY WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH NEW MEXICO UTILITIES, INC. SPECIFICATIONS FOR WATER AND WASTEWATER FACILITIES (MOST RECENT REVISIONS).
12. THE CONTRACTOR SHALL NOTIFY NEW MEXICO UTILITIES (898-2661) THREE(3) WORKING DAYS PRIOR TO BEGINNING THE CONSTRUCTION OF THE UTILITIES.
13. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
14. ELECTRONIC MARKER DISKS (EMD) WILL BE PLACED ACCORDING TO SECTION 170 OF THE COA STANDARD SPECIFICATIONS.
15. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTING SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE COA.

- 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 DEPRESSIONED 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.

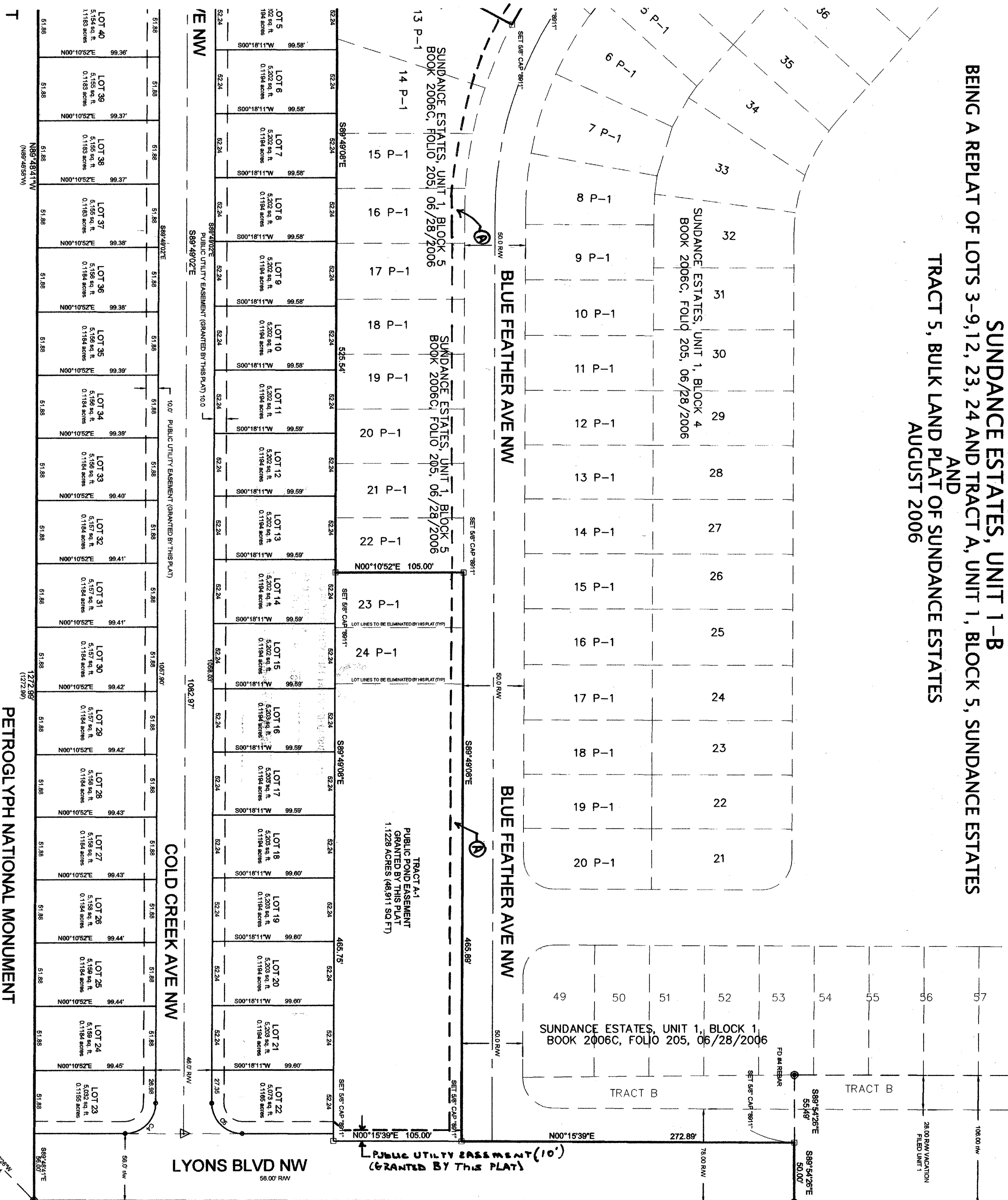
1	ALL	AS-BUILT	7/27/07						
REV	SHEETS	CITY ENGINEER	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****				
		DRC Chairman	<i>[Signature]</i>	11/15/06	APPROVED FOR CONSTRUCTION				
		Transportation	<i>[Signature]</i>	10/6/06					
		Water/Wastewater	<i>[Signature]</i>	10/15/06					
		Hydrology	<i>[Signature]</i>	10/16/06					
		NMUI							
		Constr. Mngmt.			<i>Bradley J. Binham</i> 11/17/06 City Engineer Date				
		Constr. Coord.							
		CITY PROJECT NO.			SHEET				
		- 761952			1 OF 13				

PARADISE HILLS
INVESTMENT PROPERTIES
FILED D3-138, 02-28-1966

2009154051
655319 8 3
PAPER 15072 0006 09 175

Mary Herrera
 Bern. Co. PLAT R 17.98
 2806154051
 6331819
 Page: 3 of 3
 18/27/2006 08:17R
 Bk-2806C Pgr-324

LILIENTHAL AVE NW
500 BLVD



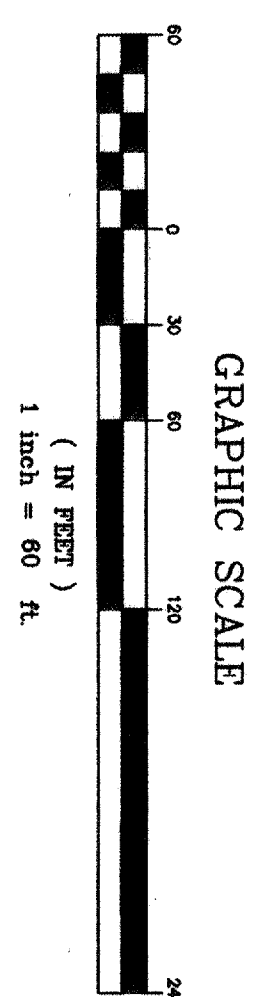
PETROGLYPH NATIONAL MONUMENT
PARADISE BLUFF
TRACT A
FILE VOL C32, FOLIO 71, 12-10-86



① EXISTING PUBLIC UTILITY
EASEMENT (10ft.)

PETROGLYPH NATIONAL MONUMENT

—



SHEET 3 OF 3

JORDAN AND GALLEGOS INC
PO BOX 65717
ALBUQUERQUE, NEW MEXICO 87199
505-975-4567
FAX 505-898-0616

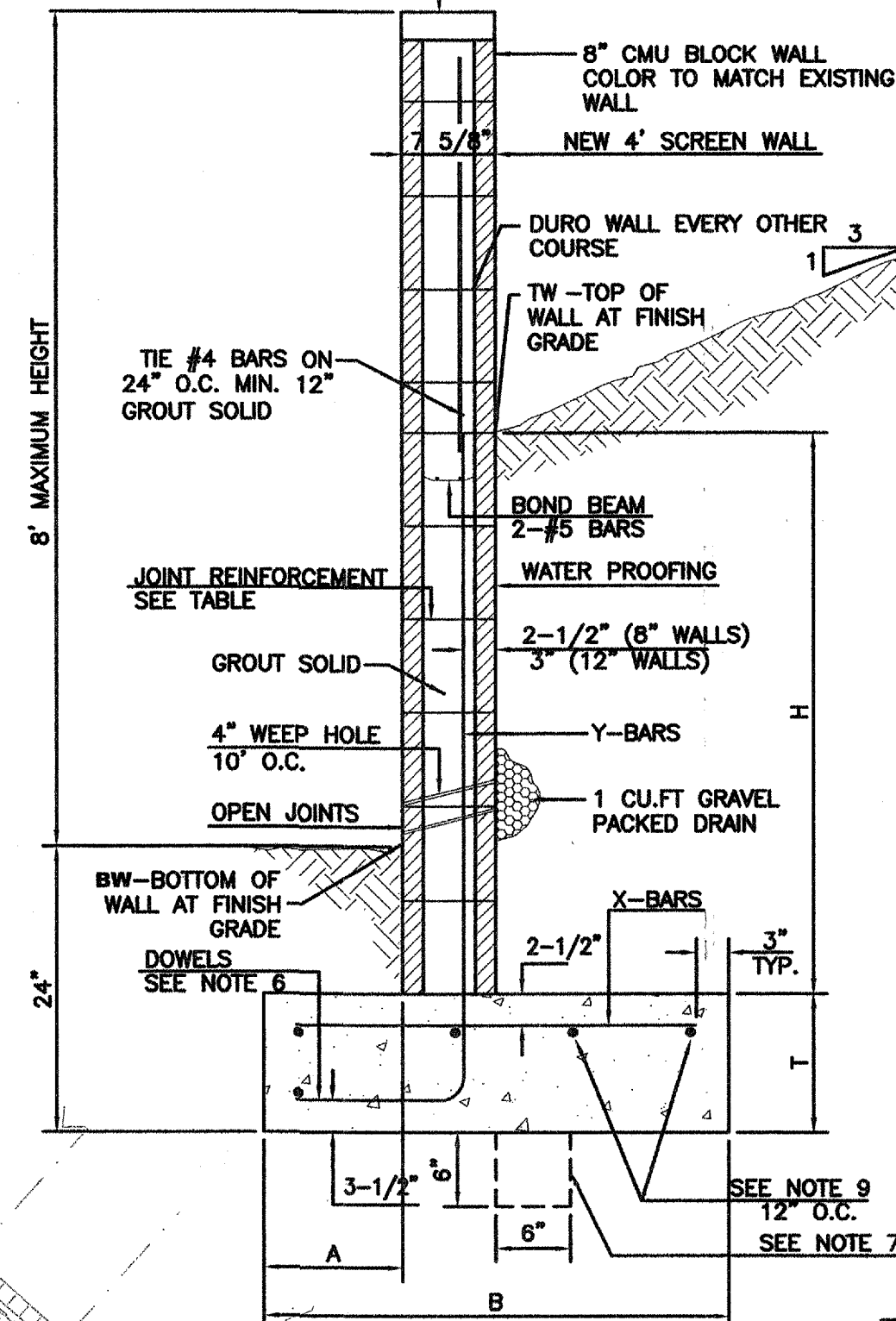
SCANNED BY
PLANNING

FOR REFERENCE ONLY

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 DUREX-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 FILASTERS 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".

CEMENT MORTAR CAP OR OTHER
AS DESIRED



KEYED NOTES:

- (A) RETAINING WALL (SEE DETAIL THIS SHEET)
- (B) EXISTING RETAINING WALL
- (C) SCREEN WALL
- (D) TYPE "E" STORM SEWER MANHOLE
- (E) DOUBLE "C" STORM SEWER INLET
- (F) PROPOSED STORM SEWER
- (G) SLOPE TIE LIMITS

8 INCH REINFORCED CONCRETE MASONRY WALL

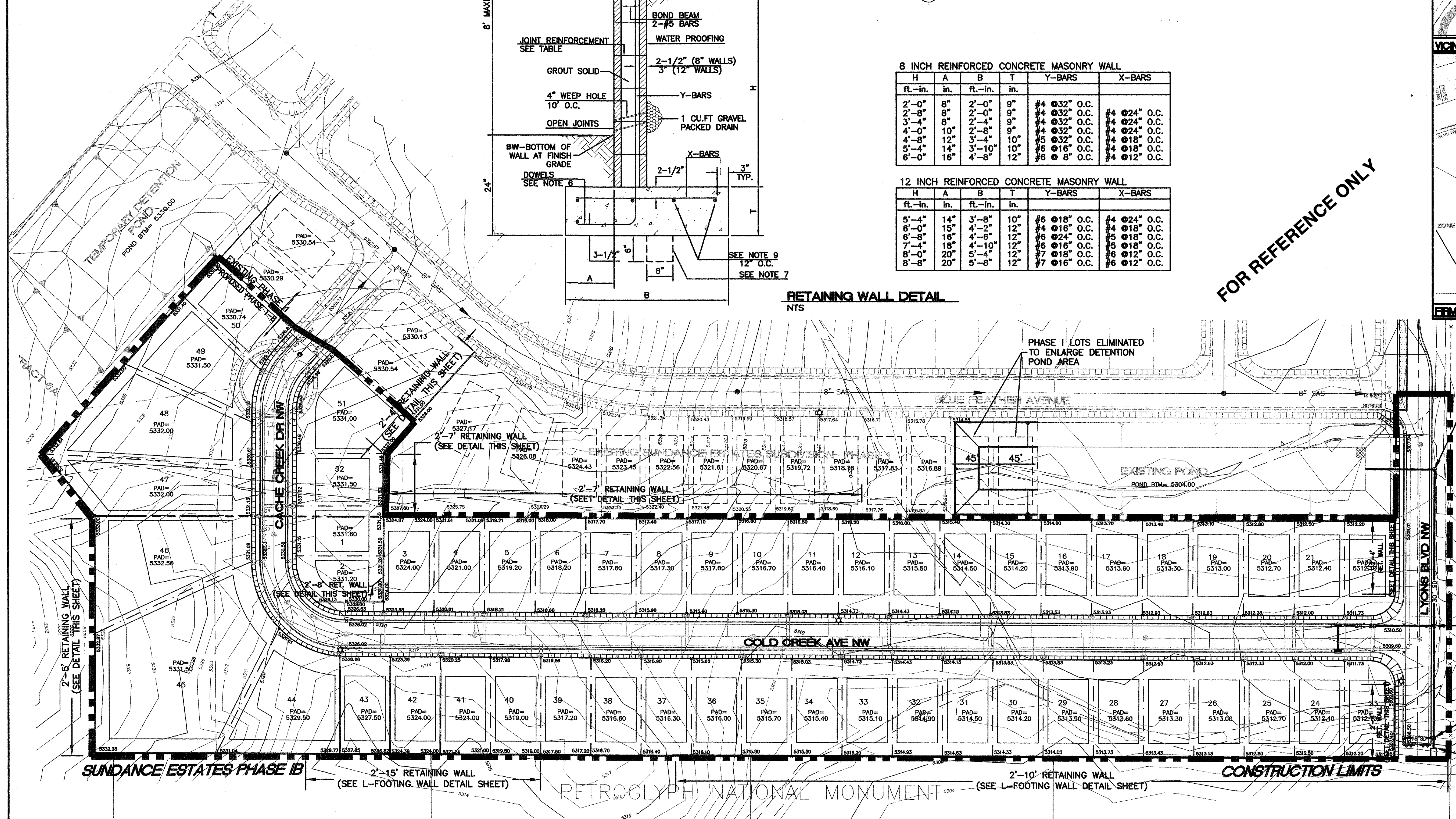
H	A	B	T	Y-BARS	X-BARS
ft.-in.	in.	ft.-in.	in.		
2'-0"	8"	2'-0"	9"	#4 @32" O.C.	#4 @24" O.C.
2'-6"	8"	2'-6"	9"	#4 @32" O.C.	#4 @24" O.C.
3'-0"	8"	2'-6"	9"	#4 @32" O.C.	#4 @24" O.C.
4'-0"	10"	2'-8"	9"	#4 @32" O.C.	#4 @24" O.C.
4'-6"	12"	3'-4"	10"	#5 @32" O.C.	#4 @18" O.C.
5'-4"	14"	3'-10"	10"	#6 @16" O.C.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

RETAINING WALL DETAIL
NTS

FOR REFERENCE ONLY

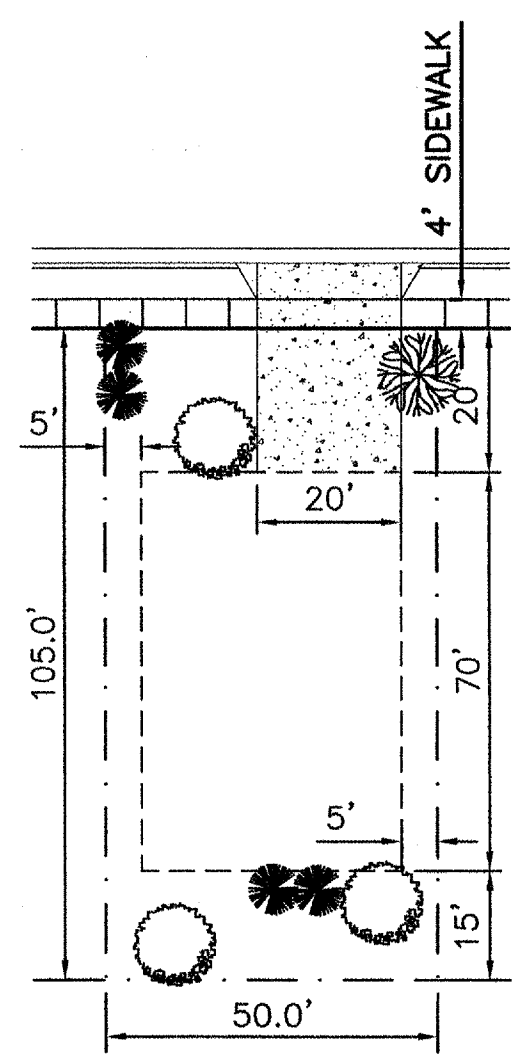


SD MH
RIM=5307.70
INV IN= 5303.57
INV OUT=5303.47

SD MH
RIM=5309.90
INV IN= 5302.55
INV OUT=5302.45
INV IN(W)=5305.00

SD MH
RIM=5307.41
INV IN= 5301.79
INV OUT=5301.69
INV IN(W)=5303.79

OUTLET STRUCTURE
TOP=5305.14
INV IN= 5301.64



TYPICAL LOT LAYOUT
NTS

FINAL GRADING APPROVAL

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **SUNDANCE ESTATES - PHASE 1-B**
GRADING AND DRAINAGE PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
For Information Only			
CITY PROJECT NO. 761782	ZONE MAP NO. B-11-Z	SHEET 3	OF 13

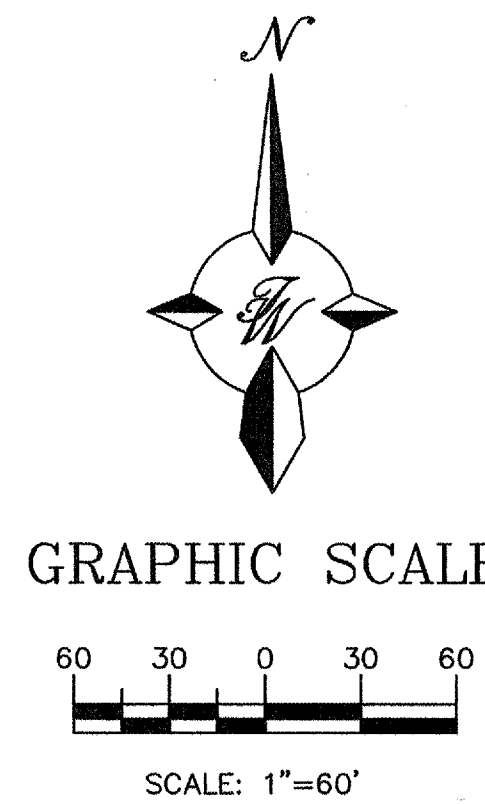
EROSION CONTROL PLAN, NPDES PERMIT
AND POLLUTION PREVENTION NOTES

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. CONTRACTOR IS RESPONSIBLE FOR OBTAINING NPDES PERMIT FOR THE SITE

LEGEND

DESCRIPTION	
EXISTING CURB & GUTTER	---
PROPOSED CURB & GUTTER	---
BOUNDARY LINE	---
EXISTING BOUNDARY LINE	---
RIGHT-OF-WAY	---
EXISTING RIGHT-OF-WAY	---
LOT LINES	---
EXISTING LOT LINES	---
SETBACK LINE	---
EXISTING CONTOUR	5011
EXISTING INDEX CONTOUR	5010
CENTERLINE	---
PROPOSED SIDEWALK	---

---	FUTURE SIDEWALK
---	FLOW ARROW
---	EXISTING STORM SEWER MANHOLE
---	EXISTING STORM SEWER INLET
---	EXISTING STORM SEWER LINE
---	PROPOSED STORM SEWER MANHOLE
---	PROPOSED INLET
---	PROPOSED STORM SEWER LINE
---	PROPOSED RETAINING WALL
---	PROPOSED SCREEN WALL
x 5048.25	EXISTING SPOT ELEVATION
x 5048.25	PROPOSED SPOT ELEVATION



NOTE:

- TRANSITIONS FROM MOUNTABLE C&G TO STANDARD C&G IS THRU THE HC RAMPS UNLESS OTHERWISE NOTED PER C.O.A. STD DWG #2418.

TACK COAT AS REQUIRED BY THE ENGINEER BETWEEN ALL ASPHALT/AGGREGATE MATERIAL LIFTS.

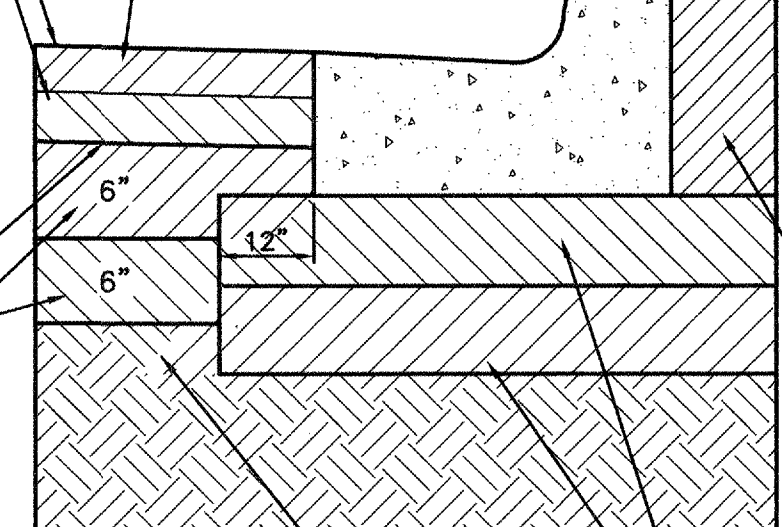
(1) 1-1/2" LIFTS, ASPHALT-CONCRETE, SP-C

FINISH SURFACE OF SUBGRADE SHALL BE MOISTURE CONTROLLED AT COMPACTION MOISTURE RANGE, OR PRIME COAT APPLIED AS REQUIRED BY THE ENGINEER UNTIL NEXT/FINAL SURFACE IS COMPLETED. SUBGRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE R/W UTILITIES CONSTRUCTION IS COMPLETED.

1' SUBGRADE SOIL, R-VALUE > 50. PLACED IN 2-6" COMPACTED LIFTS. 95% MIN. COMPACTION, AT OPT. MOISTURE $\pm$ 2.0%, ASTM D1557, OR OPT. MOISTURE, TO $\pm$ 4%, ASTM D698 FOR SOIL W/35% OR MORE MATERIAL PASSING THE NO. 200 SIEVE. SOIL NOT HAVING THE MIN. R-VALUE OF 50, SHALL BE REMOVED TO A DEPTH OF 2 FEET AND REPLACED BY THE CONTRACTOR WITH SUITABLE MATERIAL OR A PAVEMENT SHALL BE DESIGNED BY TIERRA WEST, LLC ACCOMMODATING THE EXISTING R-VALUE PER C.O.A. STANDARD SPECIFICATIONS.

(1) 1-1/2" ASPHALT CONCRETE TYPICAL FINISH COURSE PLACED AFTER ALL MANHOLES, VALVES, COVERS/RINGS ARE SET TO GRADE SP-C.

STANDARD C&G OR MOUNTABLE C&G PER COA STD DWG #2415A



CONSTRUCTION JOINT 90% MIN. COMPACTION.

2-6" LIFTS, SUBGRADE-VALUE > 50. 95% MIN. COMPACTION, AT OPT. MOISTURE $\pm$ 2.0%, ASTM D1557, OR OPT.

SECTION "A"

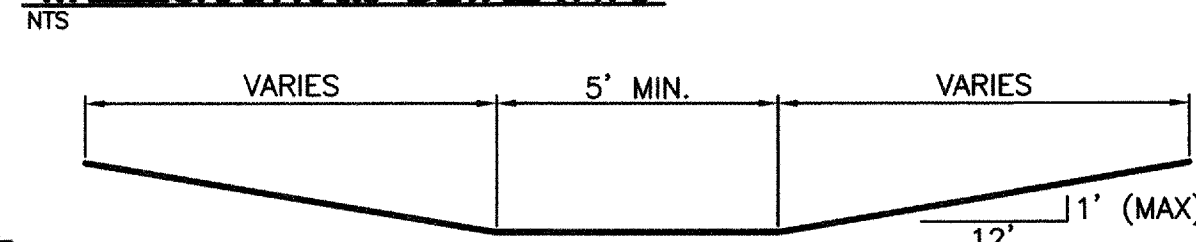
PAVEMENT SECTION PER COA STD DWG #2405A

NOTES:

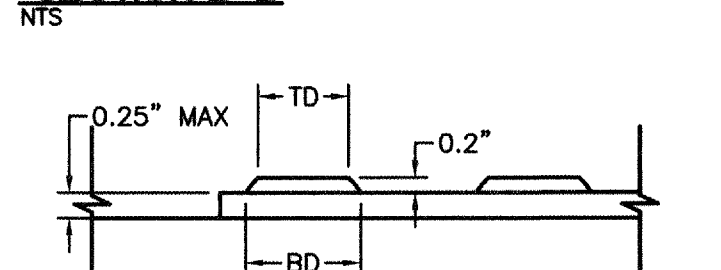
- WHEELCHAIR RAMPS ARE AS C.O.A. STD DWG #2441 CASE II, EXCEPT THE RAMP WIDTH WILL VARY TO MEET A 12:1 MAX. SLOPE.
- TRUNCATED DOME DESIGN NEEDS TO FOLLOW ADA GUIDELINES.
- SUBMIT DESIGN/SPEC'S TO CITY CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION.

WING TRANSITION OF HC RAMP MUST BE ORTHOGONAL TO SIDEWALK

WHEELCHAIR RAMP DETAIL (TYP.)



SECTION D-D

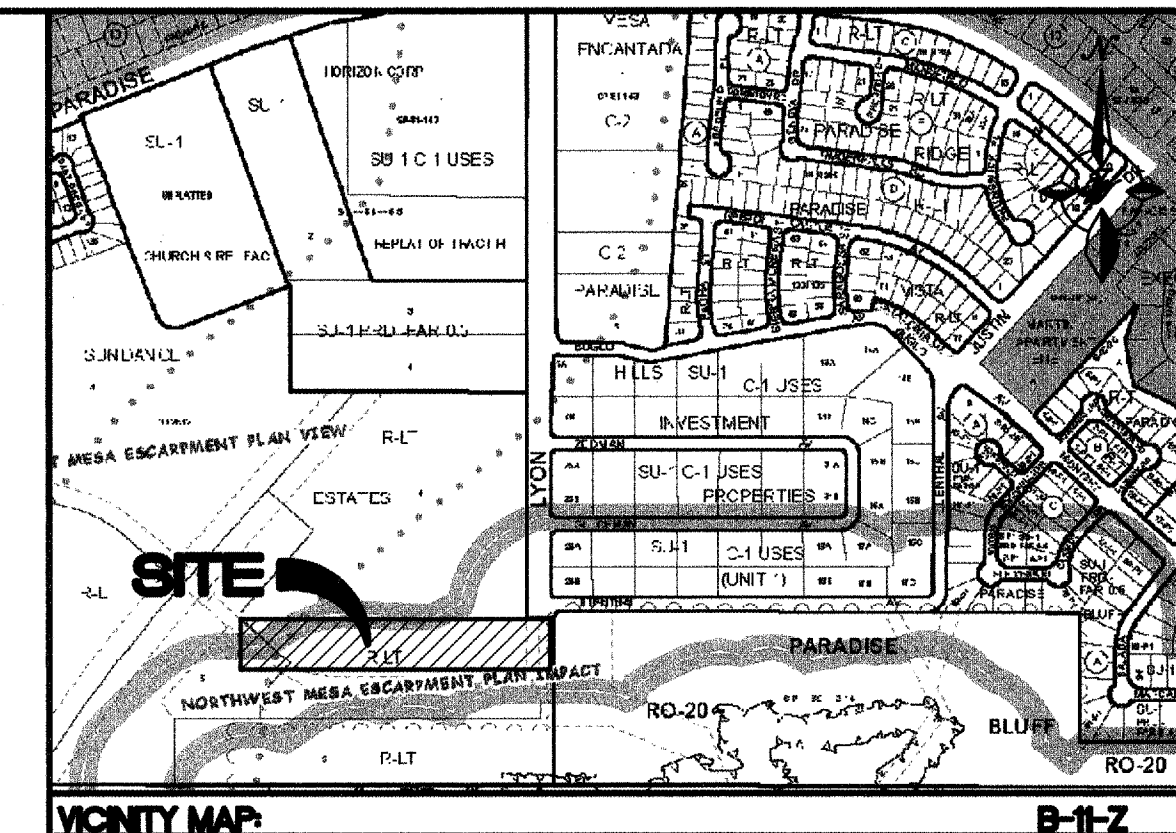


DOMES SPACING

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

DOMES SECTION

BD - BASE DIAMETER 0.8" MIN TD - TOP DIAMETER 50% OF BD MIN TO 65% OF BD MAX



KEYED NOTE:

- 6' VALLEY GUTTER PER COA STD DWG #2420
- 4' SIDEWALK TO BE BUILT WITH THIS CONTRACT PER COA STD DWG #2430
- 4' SIDEWALK TO BE DEFERRED
- STANDARD CURB AND GUTTER PER COA STD DWG #2415A
- MOUNTABLE CURB AND GUTTER PER COA STD DWG #2415A
- HC RAMP PER DETAIL ON SHEET 4
- TRANSITION TO NO CROWN SECTION PER COA STD DWG #2401
- TYPE III BARRICADES
- DEPRESSED CURB AND GUTTER PER COA STD DWG #2415A
- REMOVAL OF CUL-DE-SAC FROM APPROVED CITY PROJECT NO. 761781
- TEMPORARY PAVING

CURVE	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD LENGTH
C1	38.31	25.00	90°06'04"	N44°46'53"W	35.36
C2	138.80	99.00	90°00'00"	S44°48'02"E	125.87
C3	95.82	61.00	90°00'00"	S44°48'02"E	88.27
C4	47.16	30.00	90°04'41"	N44°46'41"W	42.46
C5	47.08	30.00	89°55'19"	N45°13'19"E	42.40
C6	64.88	89.00	41°46'04"	S21°03'56"W	63.45
C7	44.47	61.02	41°45'10"	S21°03'54"W	43.49
C8	32.13	75.00	24°32'38"	S11°58'20"E	31.88
C9	32.08	75.00	24°30'19"	N11°59'30"W	31.83

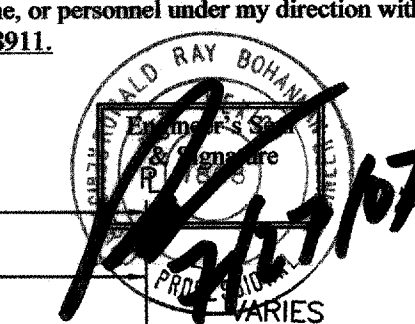
LINE	LENGTH	BEARING
L1	28.00	S89°48'29"E
L2	156.34	S00°10'58"W
L3	156.60	S00°11'06"W
L4	1061.81	N89°48'02"E
L5	1062.03	N89°48'02"E
L6	63.27	S00°15'39"W
L7	167.44	S00°15'39"W
L8	21.80	N41°56'57"E
L9	21.41	S41°56'40"W
L10	378.78	S00°15'39"W

LEGEND

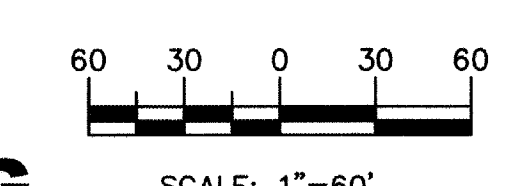
- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- BOUNDARY LINE
- EXISTING BOUNDARY LINE
- EASEMENT
- CENTERLINE
- RIGHT-OF-WAY
- LOT LINES
- SETBACK LINE
- EXISTING SIDEWALK DEFERRED
- PROPOSED SIDEWALK DEFERRED
- PROPOSED RETAINING WALL
- PROPOSED SCREEN WALL
- PROPOSED STREET LIGHT

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

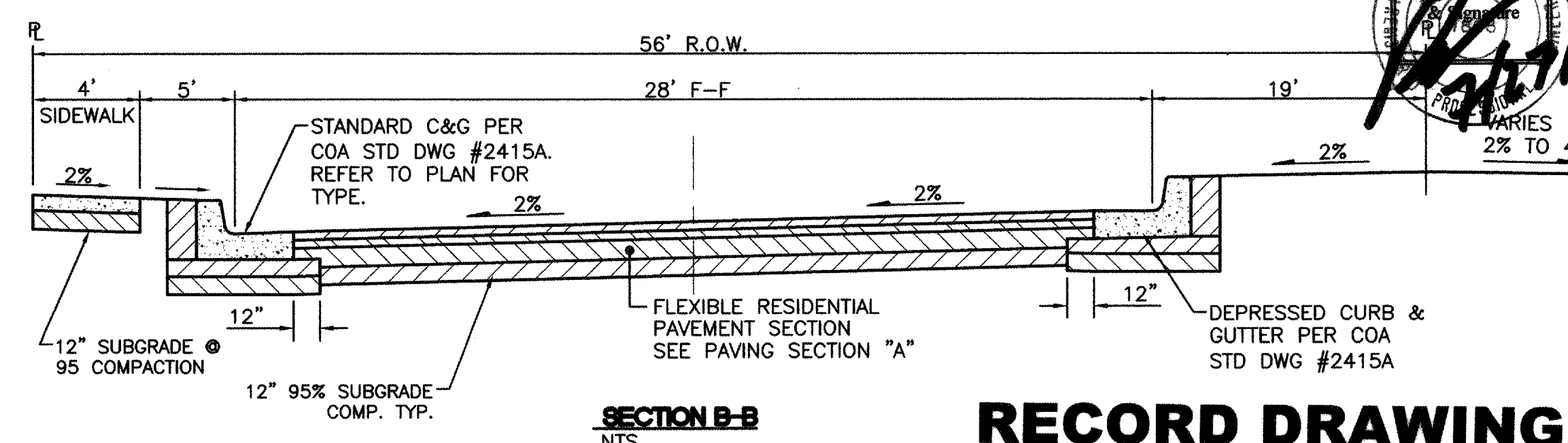
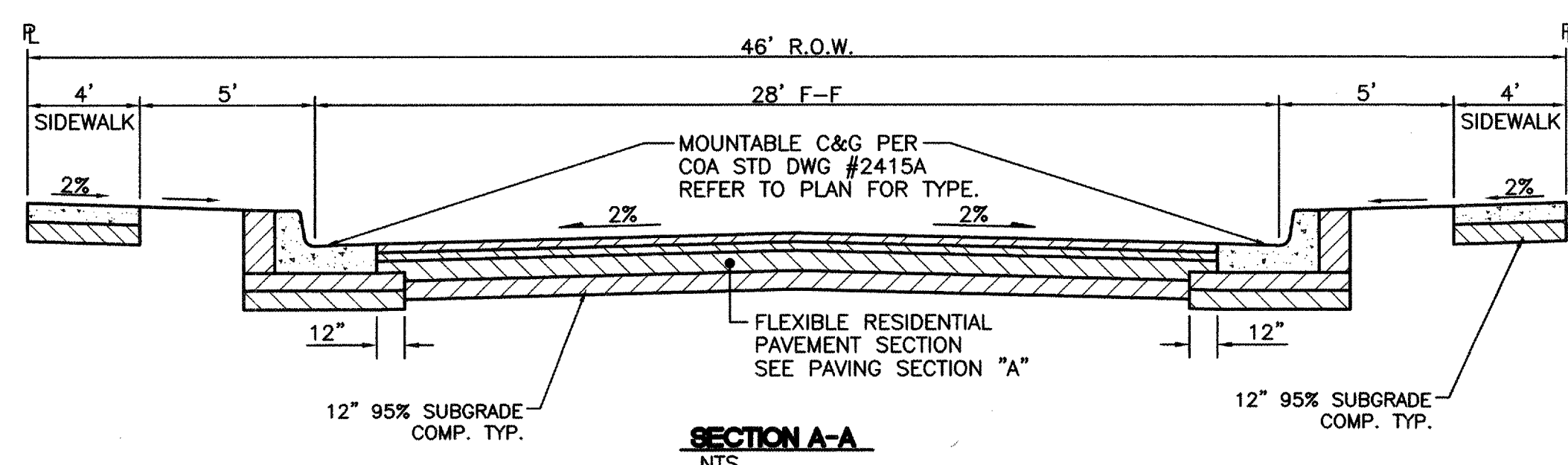
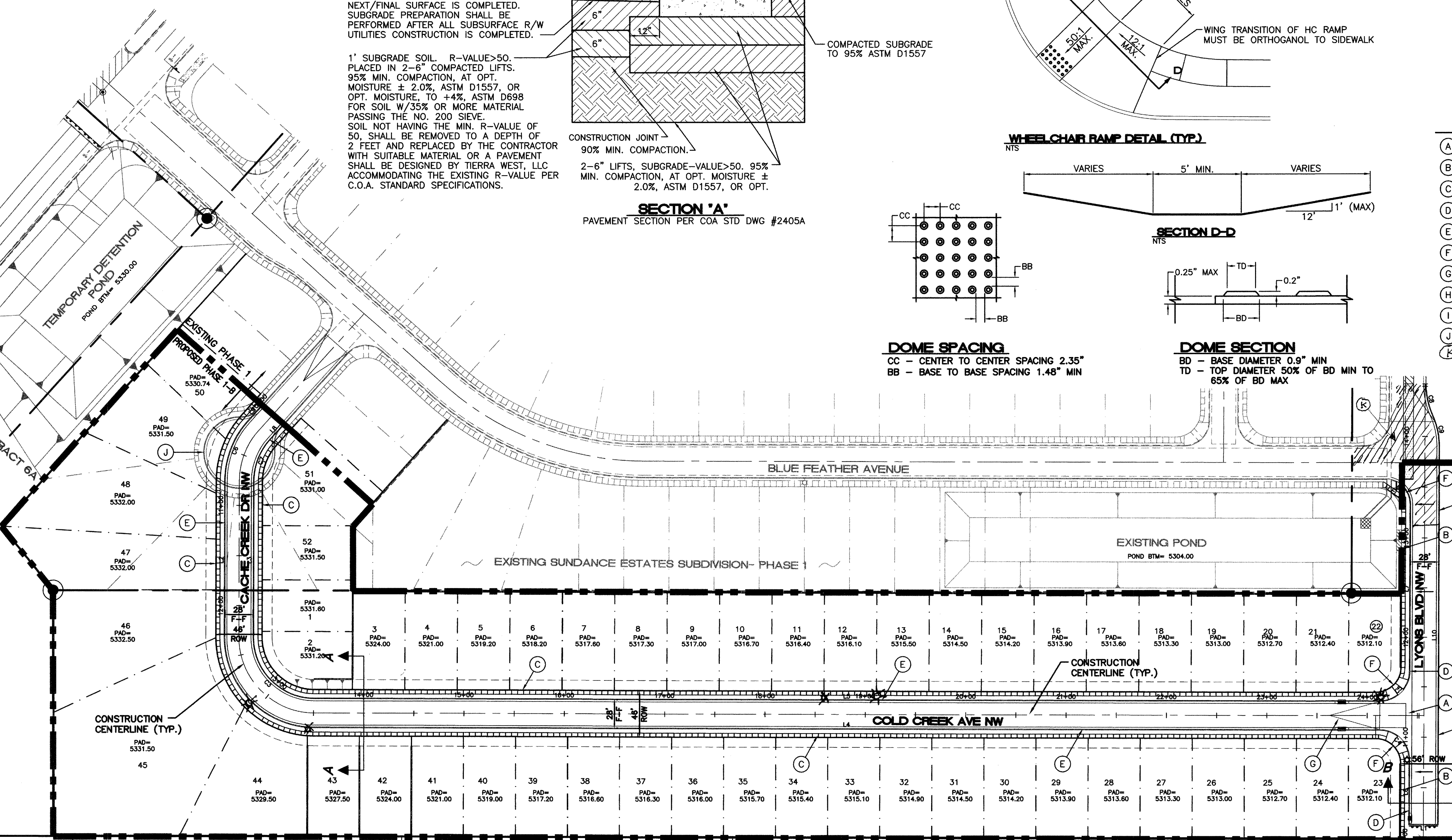
I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by David Vigil, of Jordan Gallegos, Inc., NMPS number 8911.



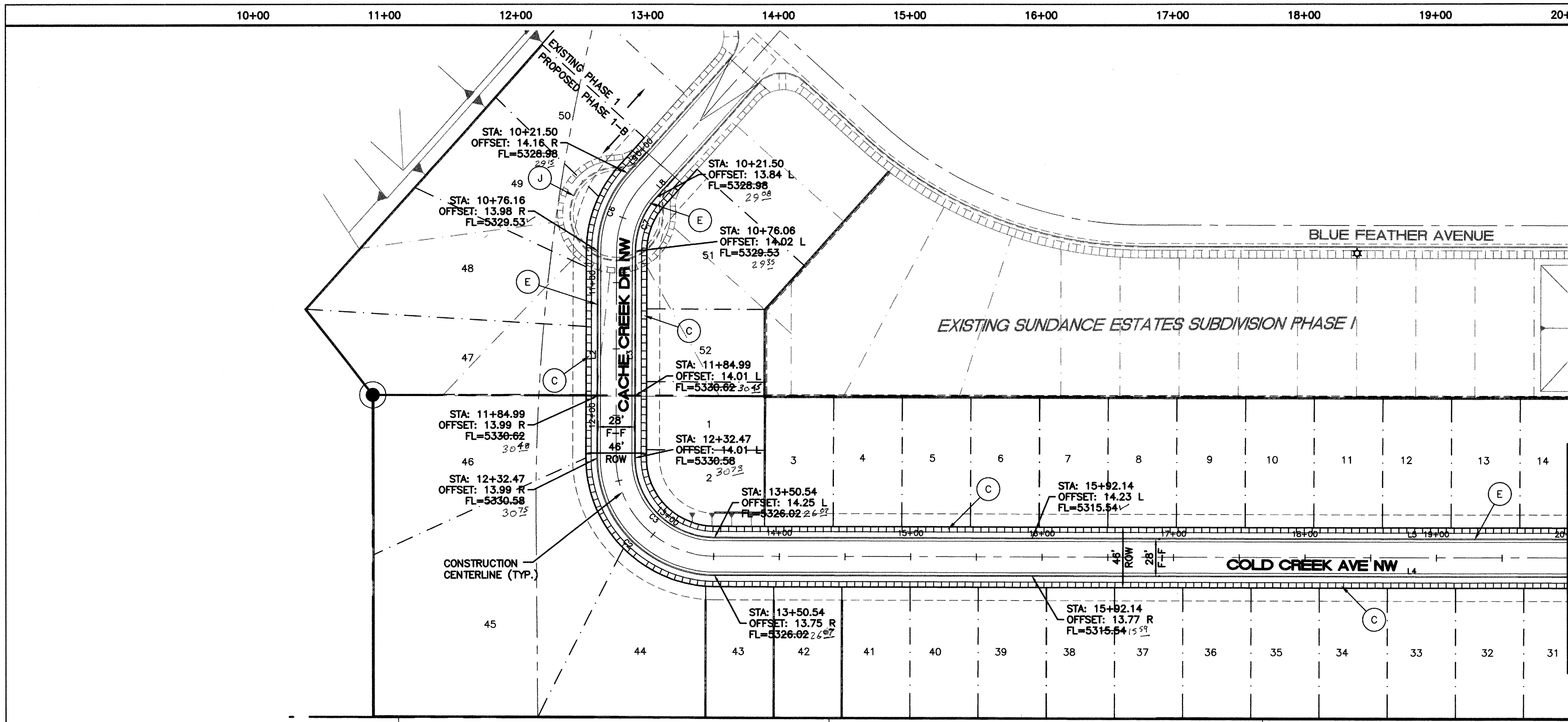
GRAPHIC SCALE



RECORD DRAWING



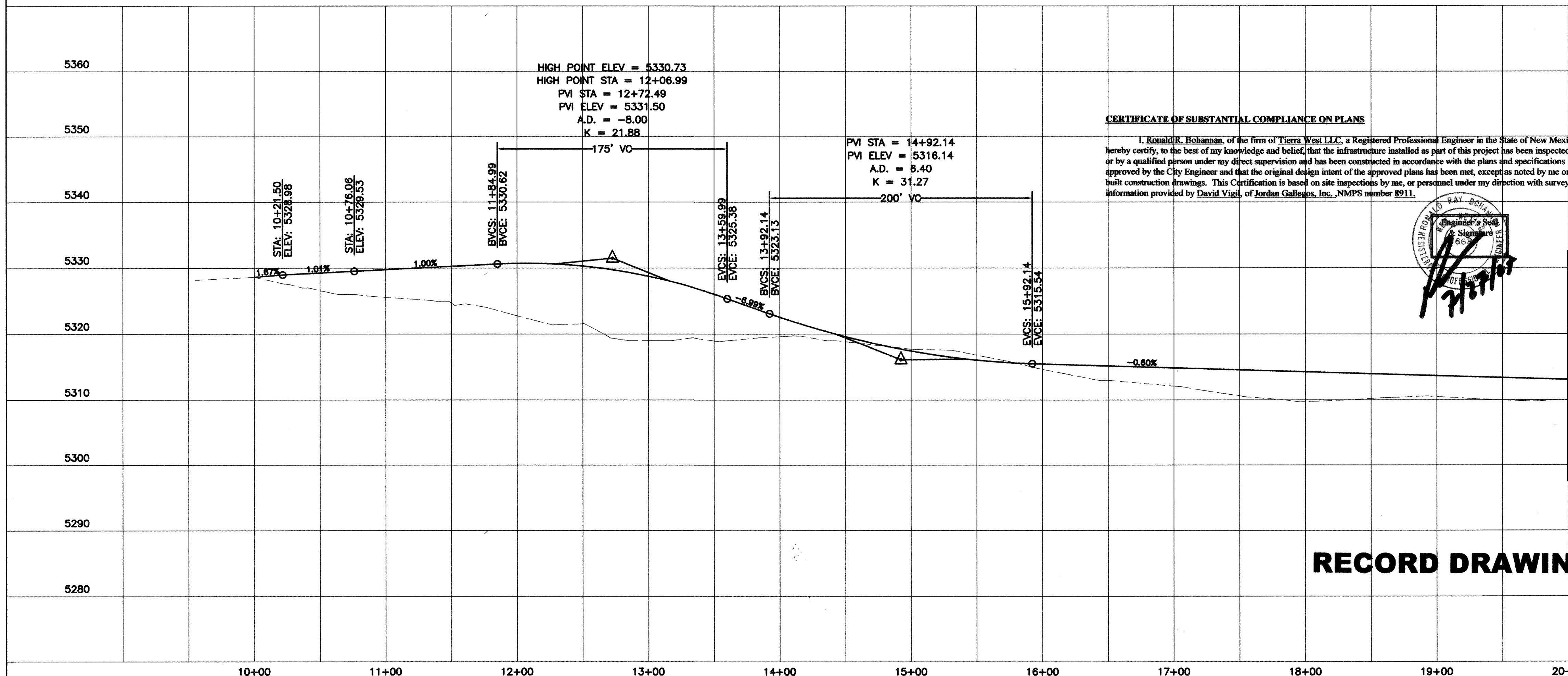
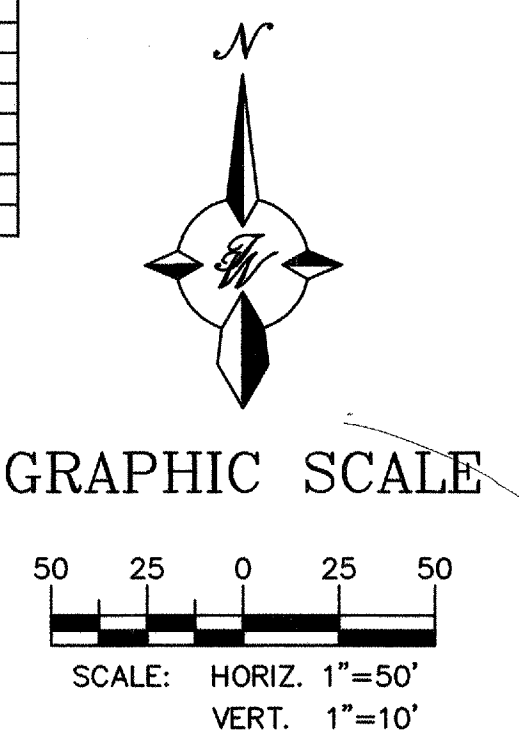
TIERRA WEST, LLC 5571 MIDWAY PARK PL, NE ALBUQUERQUE, NEW MEXICO 87109 (505)858-3100	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: SUNDANCE ESTATES - PHASE 1B MASTER PAVING PLAN	
DESIGN REVIEW COMMITTEE NOV 15 2006	CITY ENGINEER APPROVAL NOV 17 2006 CITY ENGINEER
CITY PROJECT NO. 761782	ZONE MAP NO. B-11-2
SHEET 4 OF 13	DESIGNED BY: VC DRAWN BY: DY DRAWN NAME: 2556-SH04-PV.dwg CHECKED BY: VC



- KEYED NOTE:
- A 6' VALLEY GUTTER PER COA STD DWG #2420
 - B 4' SIDEWALK TO BE BUILT WITH THIS CONTRACT PER COA STD DWG #2430
 - C 4' SIDEWALK TO BE DEFERRED
 - D STANDARD CURB AND GUTTER PER COA STD DWG #2415A
 - E MOUNTABLE CURB AND GUTTER PER COA STD DWG #2415A
 - F HC RAMP PER DETAIL ON SHEET 4
 - G TRANSITION TO NO CROWN SECTION PER COA STD DWG #2401
 - H TYPE III BARRICADES
 - I DEPRESSED CURB AND GUTTER PER COA STD DWG #2415A
 - J REMOVAL OF CUL-DE-SAC FROM APPROVED CITY PROJECT NO. 761781

CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD LENGTH	
C2	139.80	89.00	90°00'00"	S44°49'02"E	125.87	
C3	85.82	61.00	90°00'06"	S44°49'02"E	86.27	
C6	64.88	89.00	41°46'04"	S21°03'56"W	63.45	
C7	44.47	61.02	41°46'10"	S21°03'54"W	43.49	
C8	32.13	75.00	24°32'38"	S11°58'20"E	31.88	

LINE TABLE		
LINE	LENGTH	BEARING
L2	156.34	S00°10'58"W
L3	156.60	S00°11'08"W
L4	1061.81	N89°49'02"W
L5	1062.03	N89°49'02"W
L6	21.80	N41°56'57"E
L9	21.41	S41°56'40"W



RECORD DRAWING

MATCHLINE SHEET 6
STA: 20+00.00

MATCHLINE SHEET 6
STA: 20+00.00

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	SALES Brothers	ACS "7-B10"	ACS "7-B10"	FIELD NOTES	NO.	NO.	NO.
WORK STATION	DATE 2007	CENTRAL STATION DATA	DATE	BY	DATE	REMARKS	REVISIONS
APPROVED BY	DATE 2007	NW STATE PLANE COORDINATES					
FIELD NOTES	DATE 2007	Central Zone (NAD 27)					
DESIGNED BY	DATE 2007	X=362,236.23					
CHECKED BY	DATE 2007	Y=1,525,210.57					
RECORDED BY	DATE	G=0.9996644					
NO.		Da=-00°15'57"					
		ELEV=5380.255 (SLD 1929)					

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

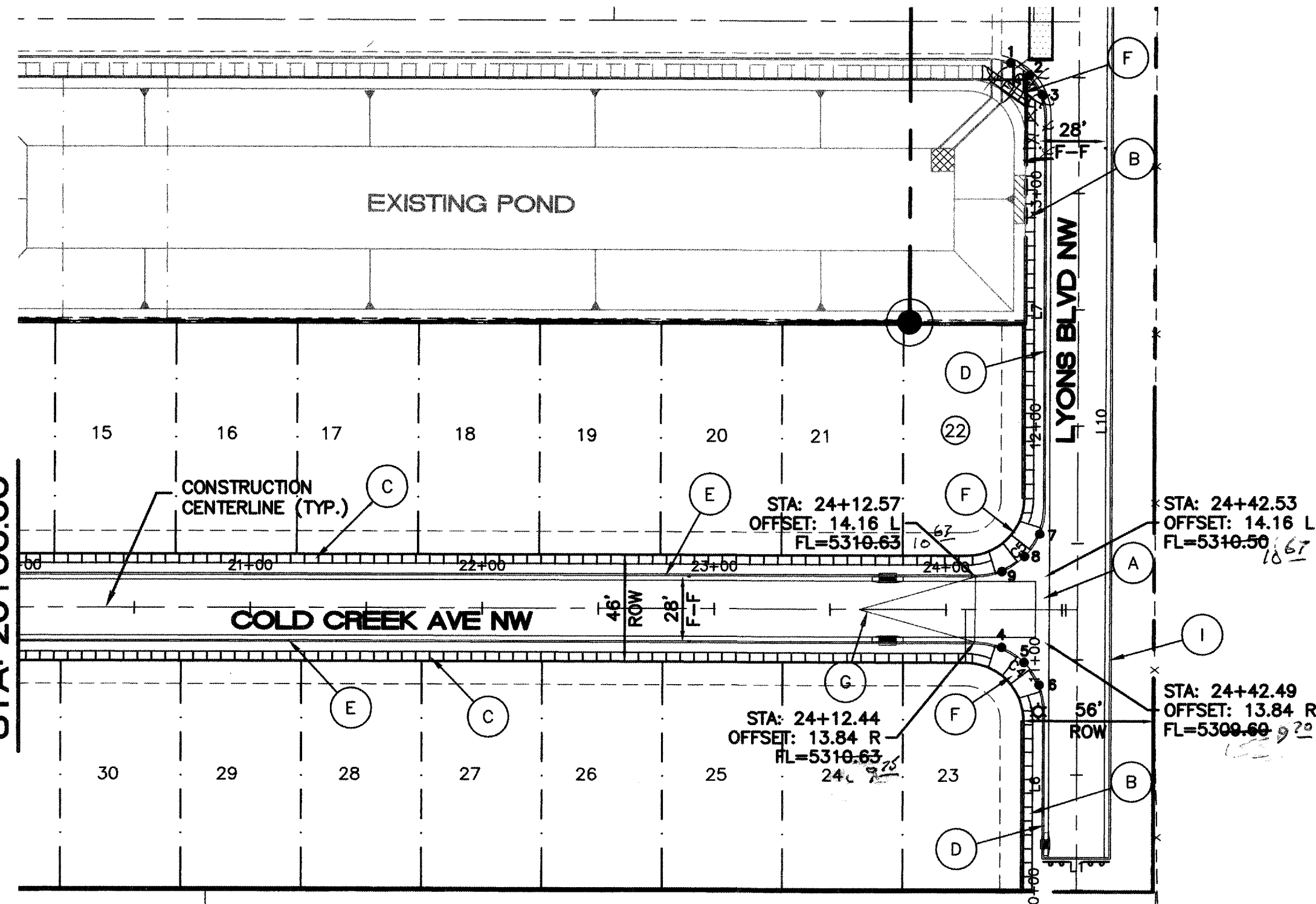
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **SUNDANCE ESTATES - PHASE 1-B**
PAVING IMPROVEMENTS
COLD CREEK AVE NW / STA: 10+00 TO 20+00

DESIGN REVIEW COMMITTEE: NOV 15 2006
CITY ENGINEER APPROVAL: NOV 17 2006
CITY ENGINEER

CITY PROJECT NO. **761782** ZONE MAP NO. **B-11-Z** SHEET **5** OF **13**

MATCHLINE SHEET 5
STA: 20+00.00



COLD CREEK AVE NW

QUARTER POINTS

FL	ELEV.
1	5306.29
2	5306.51
3	5306.73

FL	ELEV.
4	5310.16
5	5309.69
6	5309.22

FL	ELEV.
7	5310.15
8	5310.31
9	5310.47

KEYED NOTE:

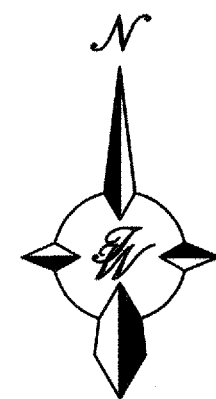
- A 6' VALLEY GUTTER PER COA STD DWG #2420
- B 4' SIDEWALK TO BE BUILT WITH THIS CONTRACT PER COA STD DWG #2430
- C 4' SIDEWALK TO BE DEFERRED
- D STANDARD CURB AND GUTTER PER COA STD DWG #2415A
- E MOUNTABLE CURB AND GUTTER PER COA STD DWG #2415A
- F HC RAMP PER DETAIL ON SHEET 4
- G TRANSITION TO NO CROWN SECTION PER COA STD DWG #2401
- H TYPE III BARRICADES
- I DEPRESSED CURB AND GUTTER PER COA STD DWG #2415A
- J REMOVAL OF CUL-DE-SAC FROM APPROVED CITY PROJECT NO. 761781

CURVE TABLE

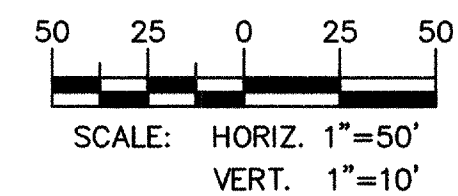
CURVE	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD LENGTH
C1	39.31	25.00	90°05'04"	N44°46'53"W	35.38
C4	47.16	30.00	90°04'41"	N44°46'41"W	42.46
C5	47.08	30.00	89°55'19"	N45°13'19"E	42.40

LINE TABLE

LINE	LENGTH	BEARING
L1	28.00	S89°49'29"E
L6	63.27	S00°15'39"W
L7	167.44	S00°15'39"W
L10	375.76	S00°15'39"W

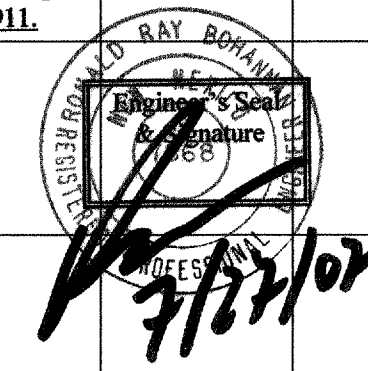


GRAPHIC SCALE



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by David Vigil, of Jordan Gallegos, Inc., NMPS member 8911.



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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **SUNDANCE ESTATES - PHASE 1-B**
PAVING IMPROVEMENTS
COLD CREEK AVE NW / STA: 20+00 TO 24+51.66

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
NOV 15 2006	NOV 17 2006		
REVIEW	CITY ENGINEER		

CITY PROJECT NO. **761782** ZONE MAP NO. **B-11-2** SHEET **6** OF **13**

RECORD DRAWING

10+00 11+00 12+00 13+00 14+00 15+00

QUARTER POINTS

C1	FL	ELEV.	C4	FL	ELEV.
1	5306.29		4	5310.16	
2	5306.51		5	5309.69	
3	5306.73		6	5309.22	

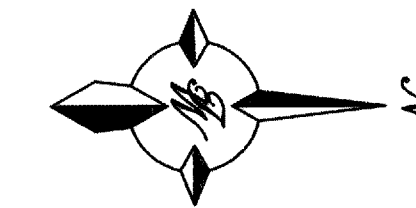
C5	FL	ELEV.
7	5310.15	
8	5310.31	
9	5310.47	

KEYED NOTE:

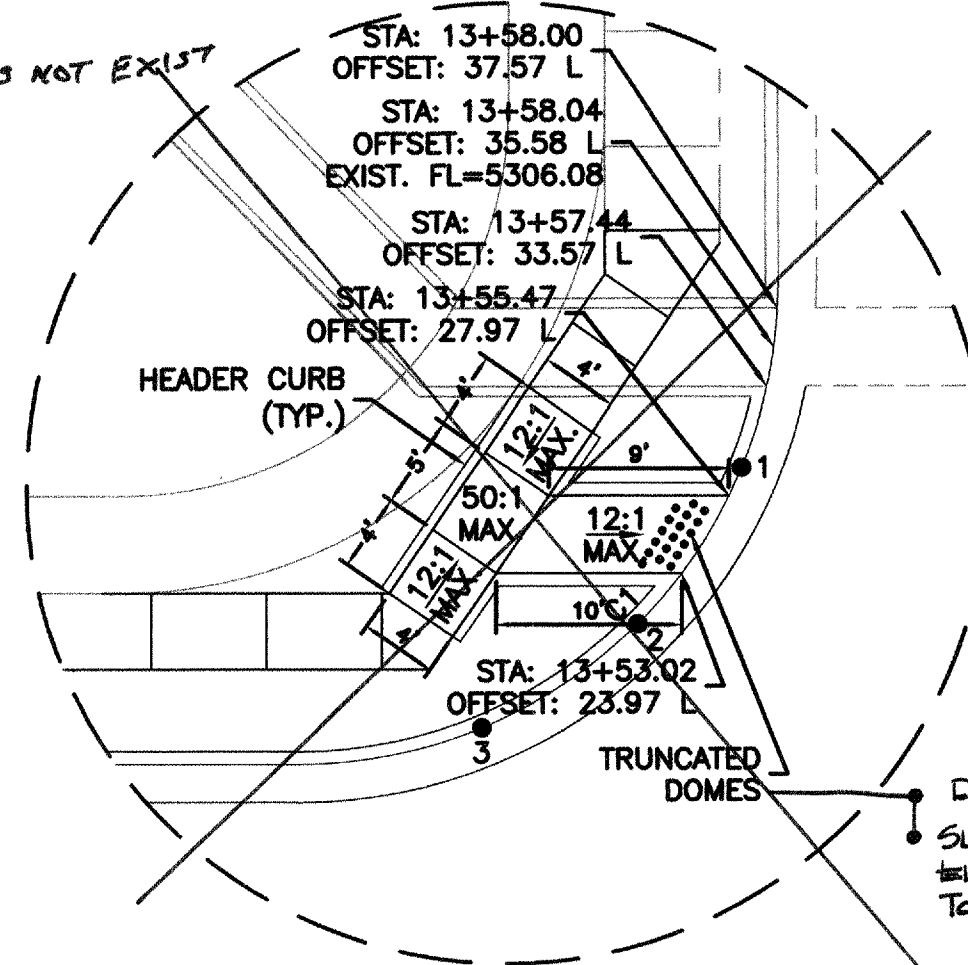
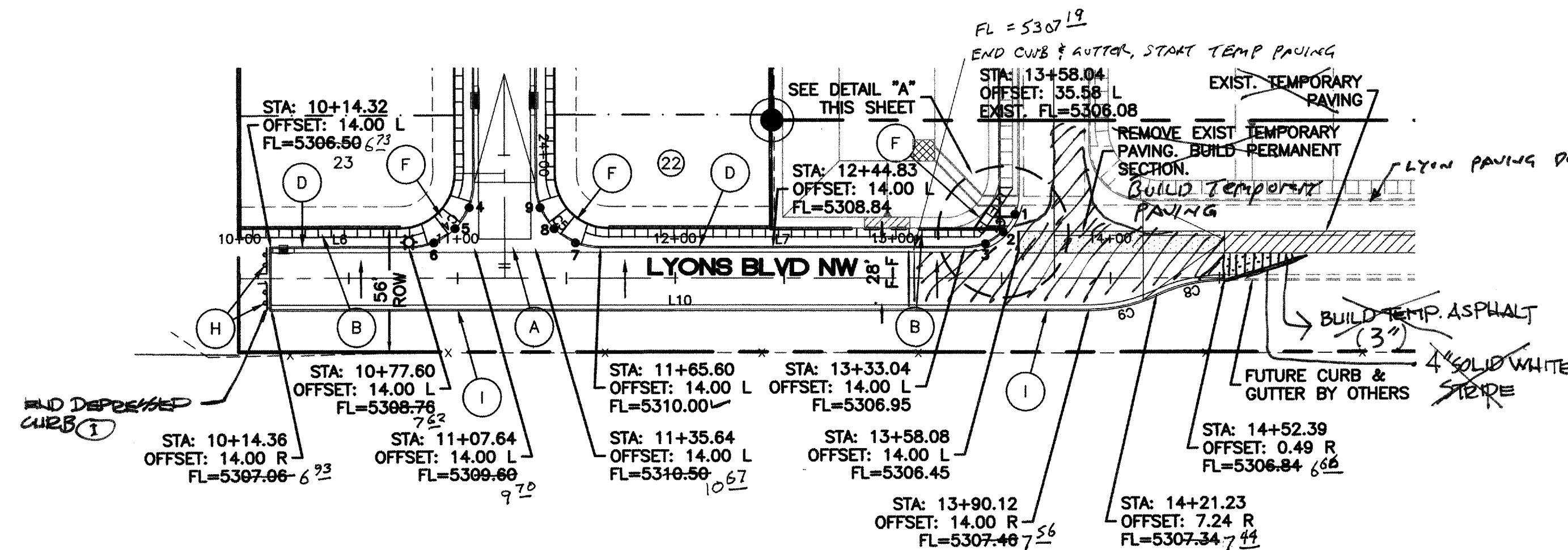
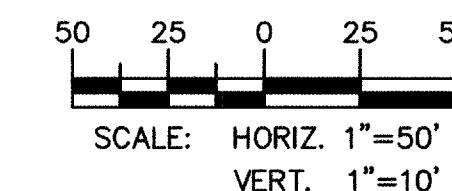
- (A) 6" VALLEY GUTTER PER COA STD DWG #2420
(B) 4" SIDEWALK TO BE BUILT WITH THIS CONTRACT PER COA STD DWG #2430
(C) 4" SIDEWALK TO BE DEFERRED
(D) STANDARD CURB AND GUTTER PER COA STD DWG #2415A
(E) MOUNTABLE CURB AND GUTTER PER COA STD DWG #2415A
(F) HC RAMP PER DETAIL ON SHEET 4
(G) TRANSITION TO NO CROWN SECTION PER COA STD DWG #2401
(H) TYPE III BARRICADES
(I) DEPRESSED CURB AND GUTTER PER COA STD DWG #2415A
(J) REMOVAL OF CUL-DE-SAC FROM APPROVED CITY PROJECT NO. 761781

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD LENGTH
C1	39.31	25.00	90°05'04"	N44°46'53"W	35.38
C4	47.18	30.00	90°04'41"	N44°46'41"W	42.46
C5	47.08	30.00	89°55'19"	N45°13'19"E	42.40
C8	32.13	75.00	24°32'38"	S11°58'20"E	31.88
C9	32.08	75.00	24°30'19"	N11°59'30"W	31.83

LINE TABLE		
LINE	LENGTH	BEARING
L1	28.00	S89°48'29"E
L6	63.27	S00°15'39"W
L7	167.44	S00°15'39"W
L10	376.78	S00°15'39"W

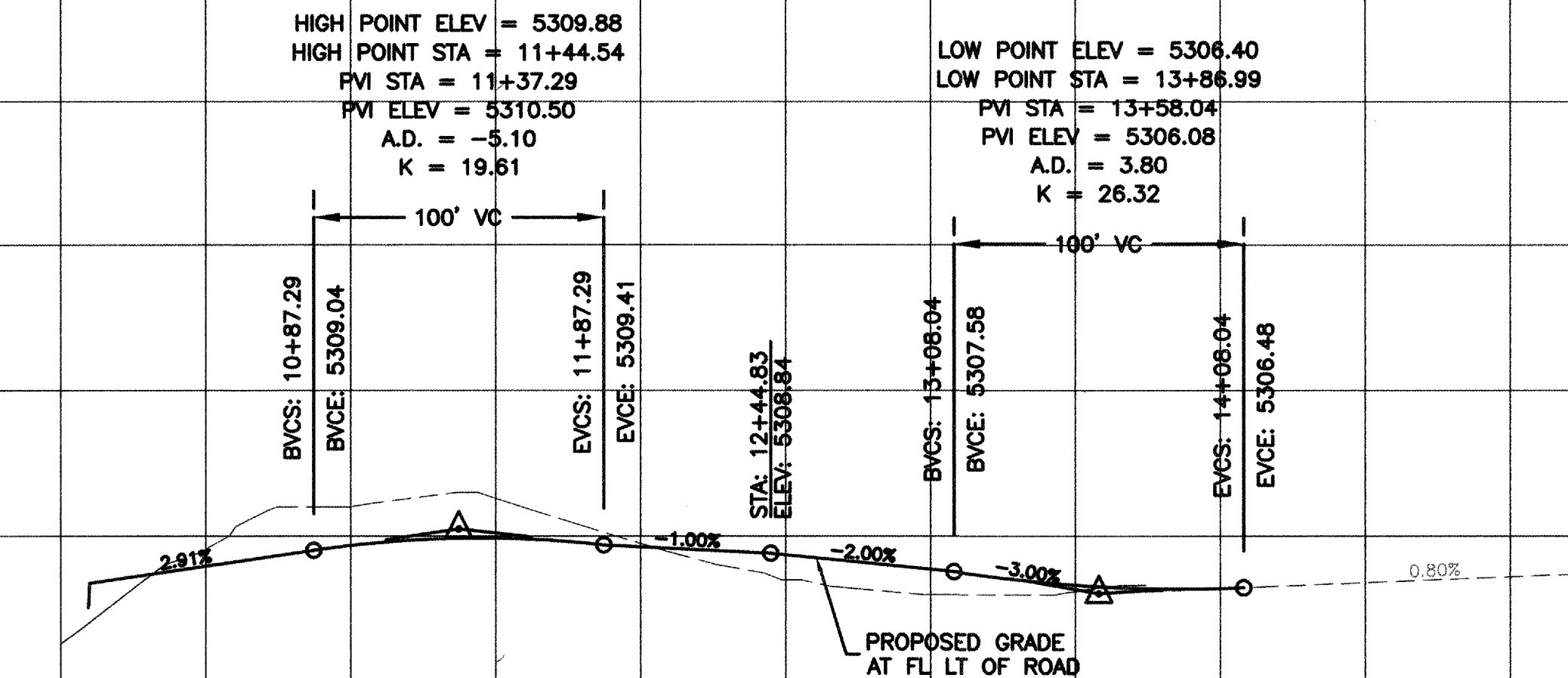


GRAPHIC SCALE



DETAIL "A"
SCALE: 1"=10' NOT BUILT

LYONS BLVD NW



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by David Vigil, of Jordan Gallegos, Inc., NMPS number 8911.

[Signature]
11/17/06

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **SUNDANCE ESTATES - PHASE 1-B**
PAVING IMPROVEMENTS
LYONS BLVD NW / STA: 10+00 TO 14+52.39

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
NOV 15 2006	NOV 17 2006		
REVISIONS	CITY ENGINEER		

CITY PROJECT NO. **761782** ZONE MAP NO. **B-11-Z** SHEET **7** OF **13**

RECORD DRAWING

CAUTION:

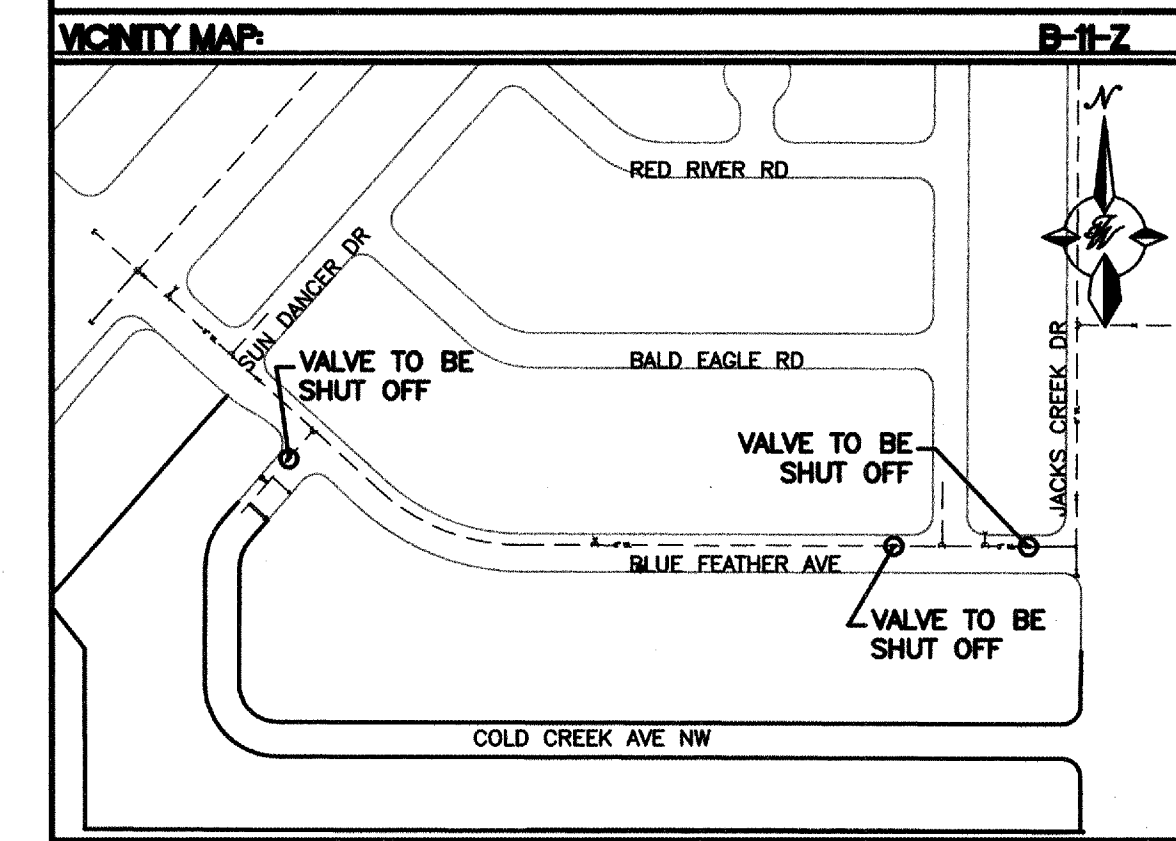
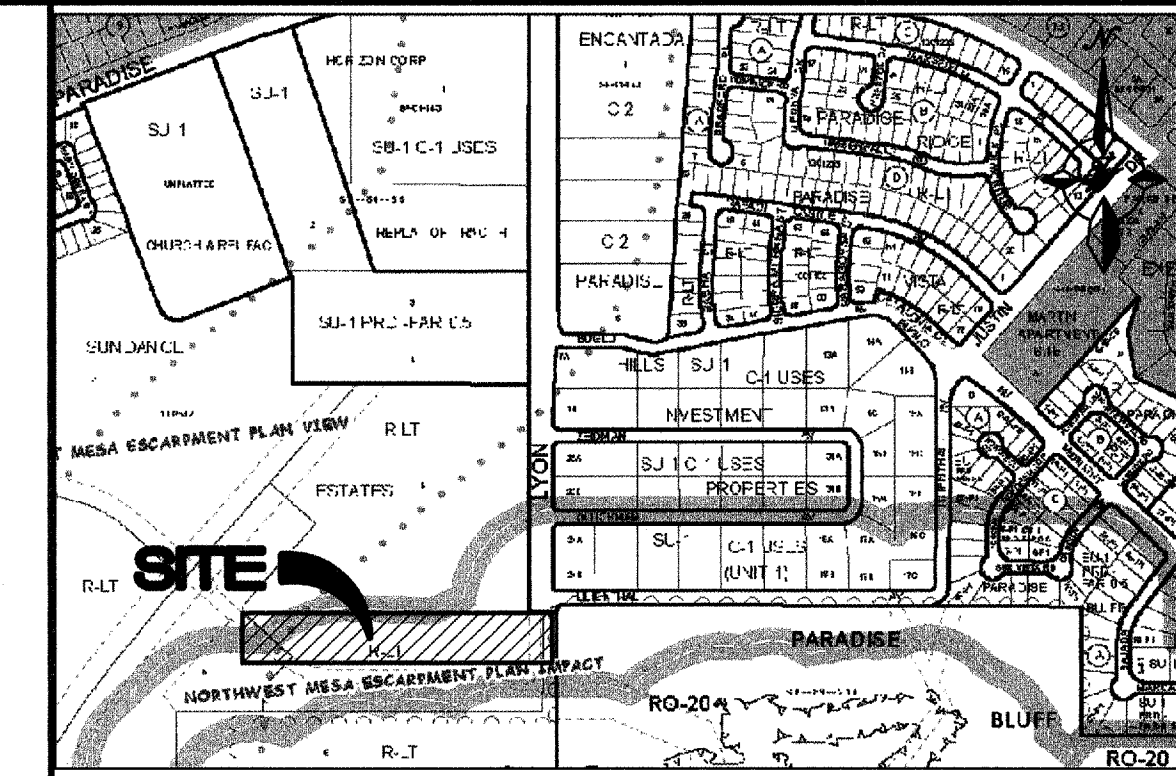
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, 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 RESIDENTIAL STREET USE.
6. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

LEGEND

EXISTING CURB & GUTTER	8" SAS	DEFERRED SANITARY SEWER LINE
PROPOSED CURB & GUTTER		EXISTING METER
BOUNDARY LINE		EXISTING VALVE W/BOX
EXISTING BOUNDARY LINE		EXISTING FIRE HYDRANT
EASEMENT		EXISTING AIR RELEASE VALVE
CENTERLINE		EXISTING REDUCER
RIGHT-OF-WAY	EX. 16" WL	EXISTING WATER LINE
LOT LINES		PROPOSED METER
SETBACK LINE		PROPOSED VALVE W/BOX
EXISTING SIDEWALK		PROPOSED FIRE HYDRANT
PROPOSED SIDEWALK		PROPOSED REDUCER
PROPOSED RETAINING WALL	8" WL	PROPOSED WATER LINE
PROPOSED SCREEN WALL	8" WL	DEFERRED WATER LINE
EXISTING SAS MANHOLE		EXISTING STORM SEWER MANHOLE
EXISTING SANITARY SEWER LINE		EXISTING STORM SEWER INLET
PROPOSED SAS MANHOLE	EX. 24" RCP	EXISTING STORM SEWER LINE
PROPOSED SAS CLEANOUT		PROPOSED STORM SEWER MANHOLE
DIRECTION OF FLOW		PROPOSED DBL. "A" INLET
PROPOSED SANITARY SEWER LINE	24" RCP	PROPOSED SNGL. "A" INLET
SANITARY SEWER SERVICE LINE		PROPOSED STORM SEWER LINE
		STREET LIGHTS

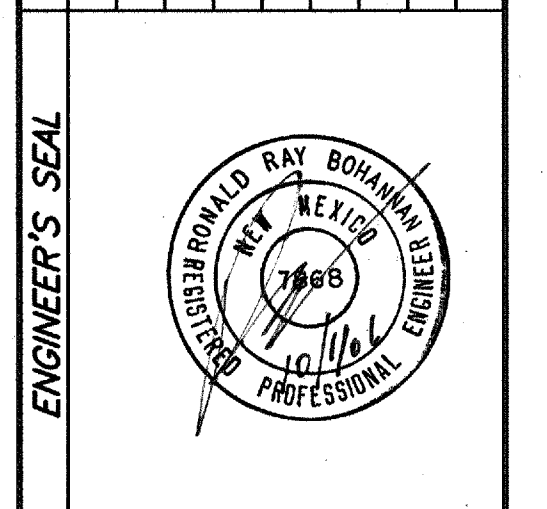


WATER SHUT-OFF PLAN
SHUT OFF VALVES INDICATED

KEYED NOTE:

1. INSTALL FH PER COA STD DWG #2340 WITH VALVE
2. INSTALL 4' Ø TYPE "E" MH PER COA STD DWG #2102
3. INSTALL VALVE WITH BOX & LID PER COA STD DWG #2326
4. WATERLINE CONNECTION TO EXISTING 6" WATERLINE WITH 8"x6" REDUCER
5. AIR RELEASE VALVE, VAL-MATIC 201.C
6. WATERLINE CONNECTION TO EXISTING 8" WATERLINE

AS BUILT INFORMATION	
CONTRACTOR	SALLS PROTHERS
WORK	AS BUILT
DATE	DATE 2007
REVISIONS	REVISIONS
DATE	DATE 2007
ACCEPTANCE BY	ACCEPTANCE BY
DATE	DATE 2007
CORRECTED BY	CORRECTED BY
DATE	DATE 2007
MICRO-FILM INFORMATION	
RECORDED BY	NO.
DATE	DATE
ELEVATION	ELEVATION



ENGINEER'S SEAL	
DATE	DATE
BY	BY
REMARKS	REMARKS
DESIGN	DESIGN
DATE: 08-20-06	DATE: 08-20-06
DRAWN BY: DY	DRAWN BY: DY
DRAWN NAME: 2556-SH08-MUC.dwg	DRAWN NAME: 2556-SH08-MUC.dwg
CHECKED BY: VC	CHECKED BY: VC
DATE: 08-20-06	DATE: 08-20-06

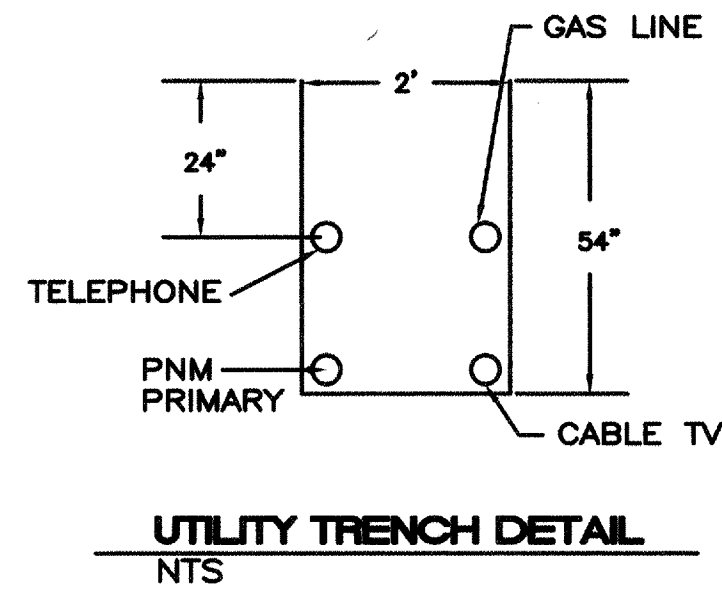
RECORD DRAWING

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

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: SUNDANCE ESTATES - PHASE 1-B MASTER UTILITY PLAN			
DESIGN-REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
NOV 15 2006	APPROVED NOV 17 2006 CITY ENGINEER		
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
761782	B-11-2	8	13

GENERAL NOTES

1. 4" MINIMUM BURY REQUIRED FOR ALL UTILITIES UNLESS OTHERWISE NOTED.
2. REFERENCE ARCHITECTURAL PLANS FOR WATER LINE RISER LOCATIONS.
3. CLEAN OUTS ARE TO BE BUILT PER UNIFORM PLUMBING CODE STANDARDS.
4. ALL BLOCKING IS PER CITY OF ALBUQUERQUE STANDARD DWG. 2320.
5. ALL PIPE MATERIAL TO BE USED PER UPC.
6. ALL JOINTS SHALL BE RESTRAINED PER COA STD DWG. 2358 AND TABLES SHOWN ON THIS SHEET



UTILITY TRENCH DETAIL
NTS

SANITARY SYSTEM SERVICE CONNECTION
NTS

SANITARY SERVICE CONNECTION FOR DEEP SANITARY SEWERS
NTS

GRAPHIC SCALE
SCALE: 1"=60'

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by David Vigil, of Jordan Gallegos, Inc., NMPS number 8911.

CONSTRUCTION LIMITS

1. Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by David Vigil, of Jordan Gallegos, Inc., NMPS number 8911.

CONSTRUCTION LIMITS

SCANNED BY
PLANNING

WL TABLE

LOT #	STATION	SERVICE
51&52	11+74.13	DOUBLE
3	12+48.84	DOUBLE
4&5	14+93.17	DOUBLE
6&7	15+97.64	DOUBLE
8&9	17+02.12	DOUBLE
10&11	18+06.60	DOUBLE
12&13	19+11.07	DOUBLE
31&32	19+66.45	DOUBLE
33&34	18+62.69	DOUBLE

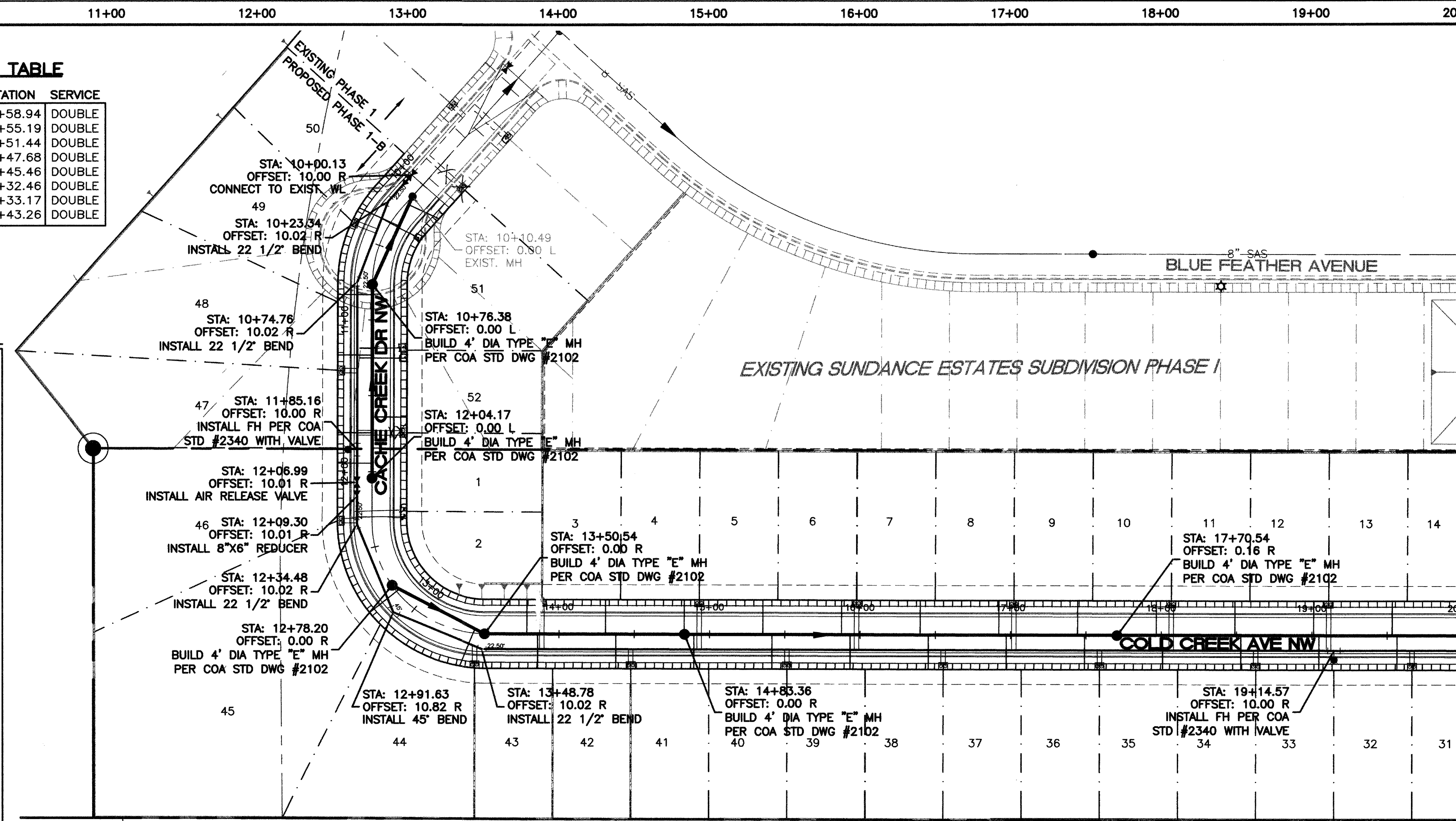
WL TABLE

LOT #	STATION	SERVICE
35&36	17+58.94	DOUBLE
37&38	16+55.19	DOUBLE
39&40	15+51.44	DOUBLE
41&42	14+47.68	DOUBLE
43&44	13+43.92	DOUBLE
45&46	12+40.17	DOUBLE
47&48	11+36.41	DOUBLE
49&50	10+32.66	DOUBLE

* END OF SERVICE LINE

SAS TABLE

LOT #	STATION*	LF	INV.*	ELEV. ● PL
1	11+84.13	23	5327.12	5331.12
2	13+78.69	23	5320.58	5324.58
3	14+30.93	23	5317.17	5321.17
4	14+83.17	23	5314.60	5318.60
5	15+35.40	23	5312.91	5316.91
6	15+87.64	23	5312.08	5316.08
7	16+39.88	23	5311.96	5315.96
8	16+92.12	23	5311.66	5315.66
9	17+44.36	23	5311.36	5315.36
10	17+96.60	23	5311.09	5315.09
11	18+48.84	23	5310.79	5314.79
12	19+01.07	23	5310.49	5314.49
13	19+53.31	23	5310.19	5314.19
32	19+56.45	23	5310.19	5314.19
33	19+04.57	23	5310.49	5314.49
34	18+52.69	23	5310.79	5314.79
35	18+00.82	23	5311.09	5315.09
36	17+48.94	23	5311.36	5315.36
37	16+97.06	23	5311.66	5315.66
38	16+45.19	23	5311.96	5315.96
39	15+93.31	23	5312.05	5316.05
40	15+41.44	23	5312.77	5316.77
41	14+89.56	23	5313.35	5317.35
42	14+37.68	23	5313.79	5317.79
43	13+85.81	23	5320.09	5324.09
44	13+37.73	26	5323.33	5327.33
45	12+83.26	25	5325.91	5329.91
46	11+94.17	23	5327.20	5331.20
47	11+74.17	23	5327.02	5331.02
48	11+23.17	23	5326.51	5330.51
49	10+83.18	23	5326.11	5330.11
50	10+35.61	29	5325.63	5329.63
51	10+09.70	22	5325.21	5329.21
52	11+64.13	23	5326.92	5330.92



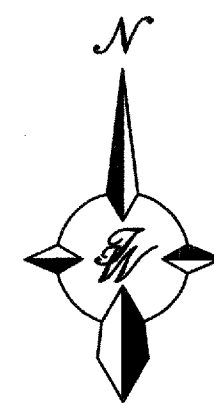
NOTE:

- SEE MASTER UTILITY PLAN SHEET 8 FOR SANITARY SEWER AND FORCED MAIN SEWER SERVICE CONNECTION DETAILS.
- ALL FIRE HYDRANTS ARE TO BE BUILT WITH MECH RESTRAINTS W/BLOCKING PER COA STANDARDS.
- ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.
- ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

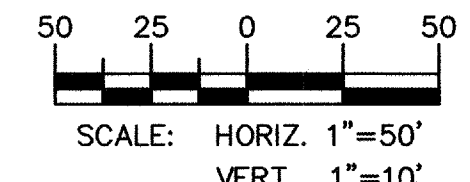
CAUTION:

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 INVERTS PRIOR TO CONSTRUCTION.



GRAPHIC SCALE



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by David Vigil, of Jordan Gallegos, Inc., NMPS number 8911.

7/27/07

RECORD DRAWING

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP
SUNDANCE ESTATES - PHASE 1-B
UTILITY IMPROVEMENTS
COLD CREEK AVE NW / STA: 10+00 TO 20+00

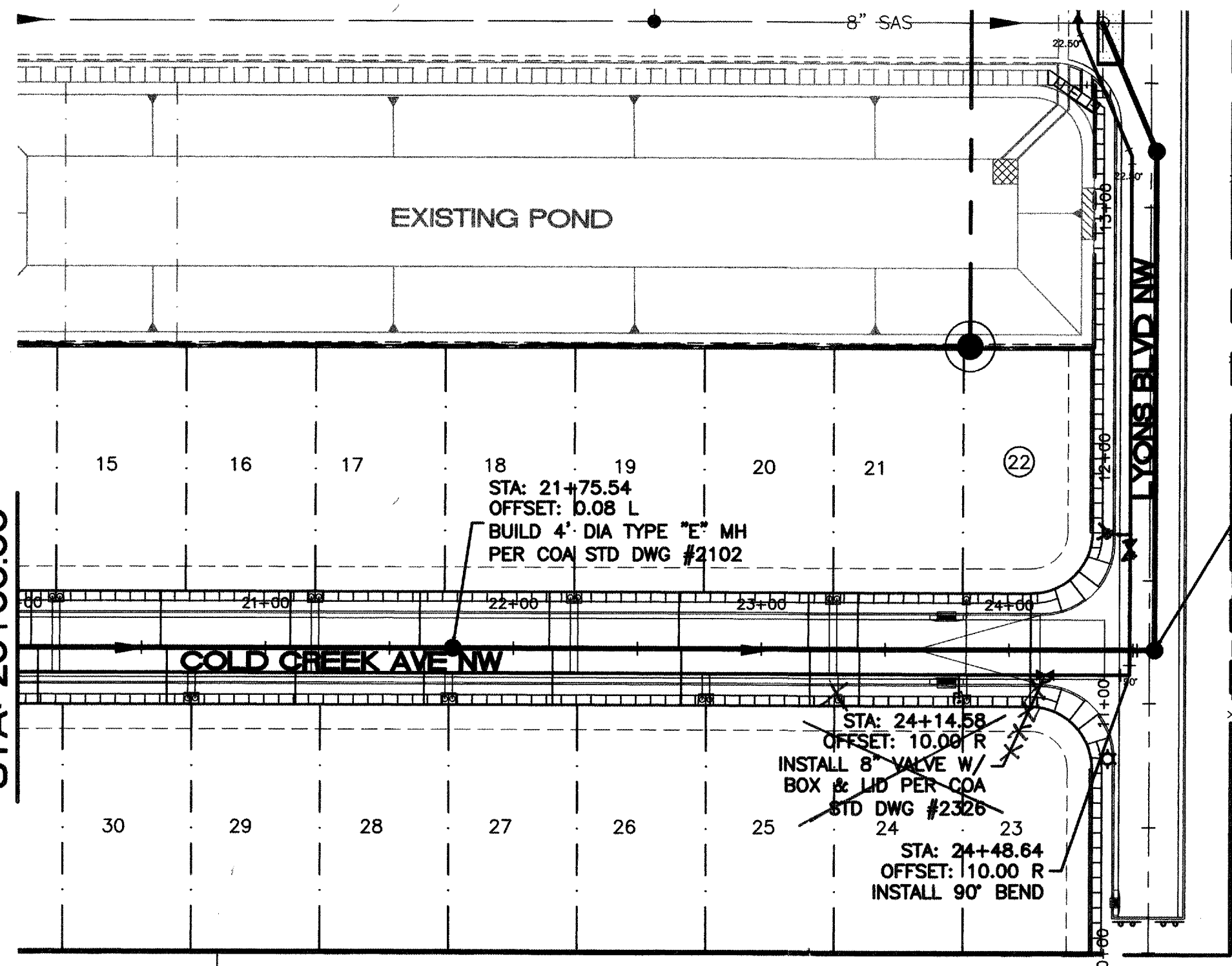
DESIGN REVIEW COMMITTEE
NOV 15 2006

CITY ENGINEER APPROVAL
NOV 17 2006
CITY ENGINEER

CITY PROJECT NO. 761782 ZONE MAP NO. B-11-Z SHEET 9 OF 13

SCANNED BY
PLANNING

MATCHLINE SHEET 9
STA: 20+00.00



STA: 24+58.66
OFFSET: 0.00 L
BUILD 4" DIA TYPE "E" MH
PER COA STD DWG #2102

STA: 24+48.64
OFFSET: 110.00 R
INSTALL 90° BEND
STD DWG #2326

WL TABLE

LOT #	STATION	SERVICE
14&15	20+15.55	DOUBLE
16&17	21+20.03	DOUBLE
18&19	22+24.51	DOUBLE
20&21	23+28.98	DOUBLE
22	23+82.96	SINGLE
23&24	23+82.96	DOUBLE
24	23+34.08	SINGLE
25&26	22+77.70	DOUBLE
27&28	21+73.95	DOUBLE
29&30	20+70.20	DOUBLE

- NOTE:
- SEE MASTER UTILITY PLAN SHEET 8 FOR SANITARY SEWER AND FORCED MAIN SEWER SERVICE CONNECTION DETAILS.
 - ALL FIRE HYDRANTS ARE TO BE BUILT WITH MECH RESTRAINTS W/BLOCKING PER COA STANDARDS.
 - ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.
 - ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

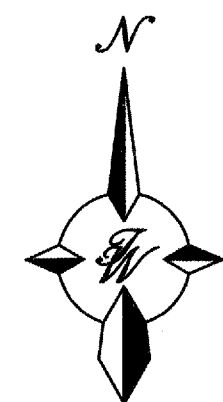
CAUTION:
EXISTING UTILITIES ARE NOT SHOWN.
IT SHALL BE THE SOLE RESPONSIBILITY
OF THE CONTRACTOR TO CONDUCT ALL
NECESSARY FIELD INVESTIGATIONS PRIOR
TO ANY EXCAVATION TO DETERMINE THE
ACTUAL LOCATION OF UTILITIES & OTHER
IMPROVEMENTS.

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

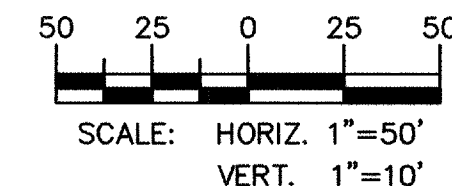
• • END OF SERVICE LINE

SAS TABLE

LOT #	STATION*	LF	INV.*	ELEV. • PL
14	20+05.50	23	5309.89	5313.89
15	20+57.74	23	5309.59	5313.59
16	21+09.98	23	5309.29	5313.29
17	21+62.22	23	5308.99	5312.99
18	22+14.46	23	5308.69	5312.69
19	22+66.69	23	5308.39	5312.39
20	23+18.93	23	5308.06	5312.06
21	23+38.98	23	5307.94	5311.94
22	24+08.76	23	5307.57	5311.57
23	24+08.56	23	5307.57	5311.57
24	23+39.58	23	5307.94	5311.94
25	23+19.58	23	5308.06	5312.06
26	22+67.70	23	5308.39	5312.39
27	22+15.83	23	5308.69	5312.69
28	21+63.95	23	5308.99	5312.99
29	21+12.07	23	5309.29	5313.29
30	20+60.20	23	5309.59	5313.59
31	20+08.32	23	5309.89	5313.89

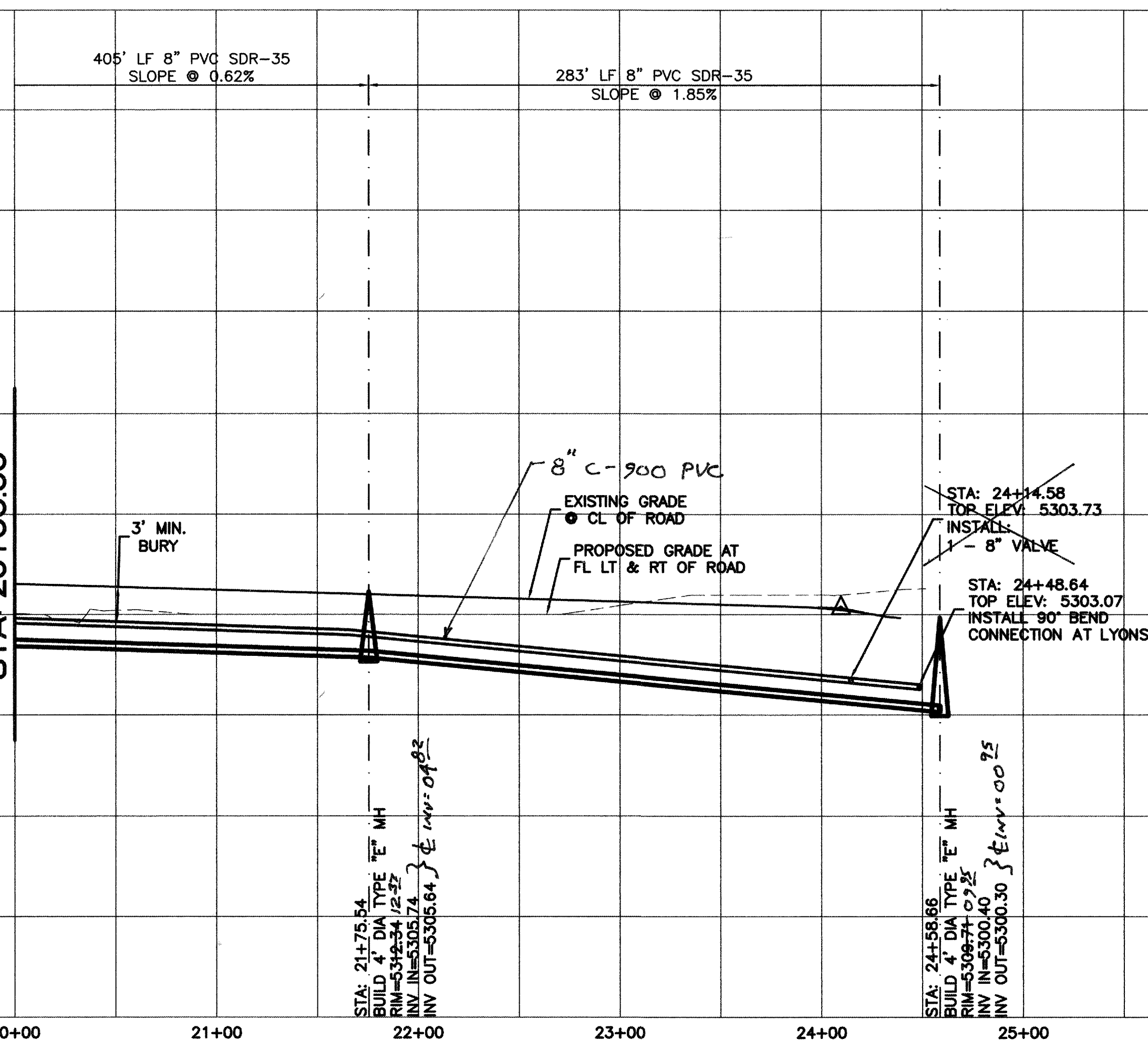


GRAPHIC SCALE



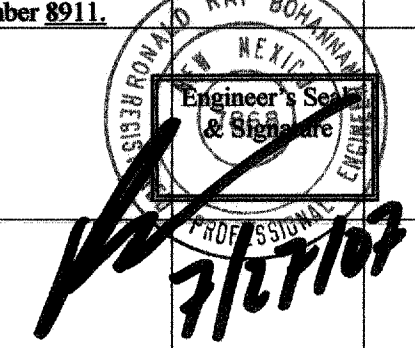
COLD CREEK AVE NW

MATCHLINE SHEET 9
STA: 20+00.00



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by David Vigil, of Jordan Gallegos, Inc., NMPS number 8911.



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

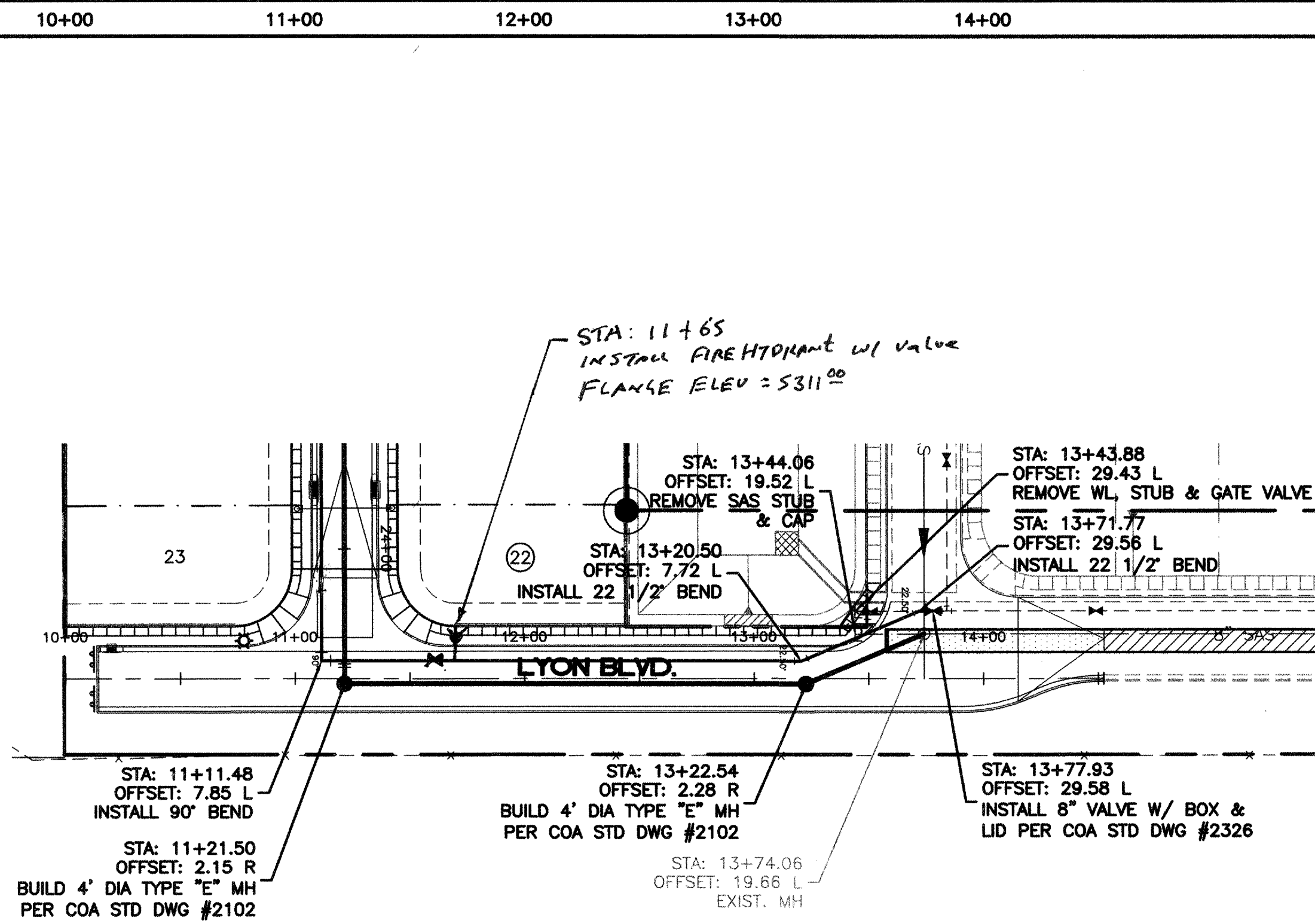
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **SUNDANCE ESTATES - PHASE 1-B**
UTILITY IMPROVEMENTS
COLD CREEK AVE NW / STA: 20+00 TO 24+58.66

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
NOV 15 2006	NOV 17 2006		
CITY ENGINEER	CITY ENGINEER		

CITY PROJECT NO. **761782** ZONE MAP NO. **B-11-Z** SHEET **10** OF **13**

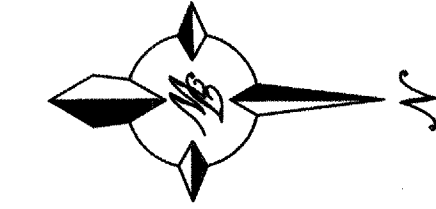
SCANNED BY
PLANNING



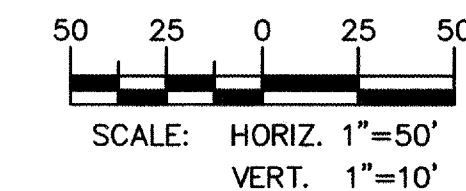
- NOTE:
1. SEE MASTER UTILITY PLAN SHEET 8 FOR SANITARY SEWER AND FORCED MAIN SEWER SERVICE CONNECTION DETAILS.
 2. ALL FIRE HYDRANTS ARE TO BE BUILT WITH MECH RESTRAINTS W/BLOCKING PER COA STANDARDS.
 3. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.
 4. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

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.

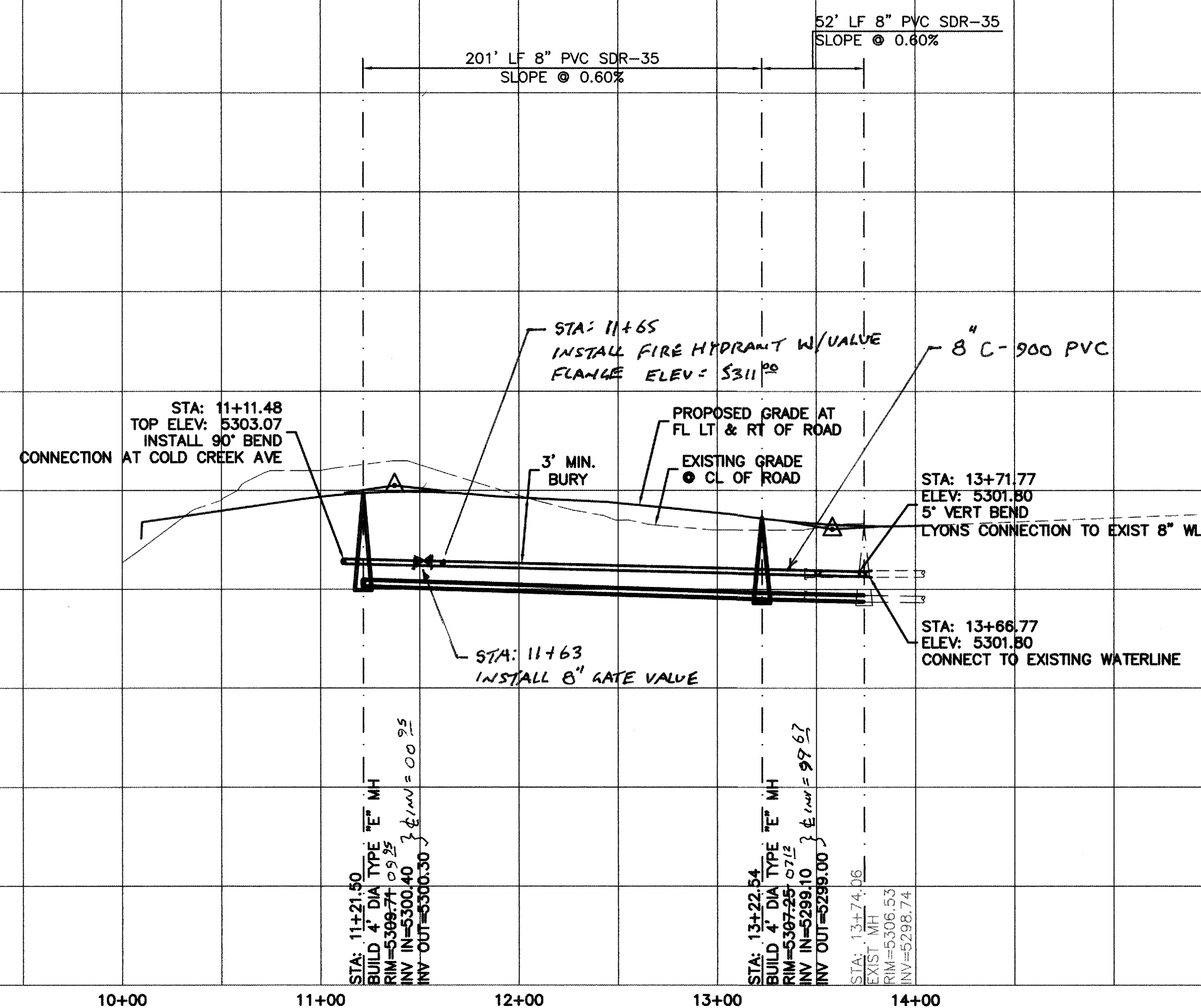
CONTRACTOR TO POTHOLE AND VERIFY EXISTING SAS INVERTS PRIOR TO CONSTRUCTION.



GRAPHIC SCALE



LYONS BLVD



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by David Vieil, of Jordan Gallegos, Inc., NMPS number 8211.

7/13/12

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

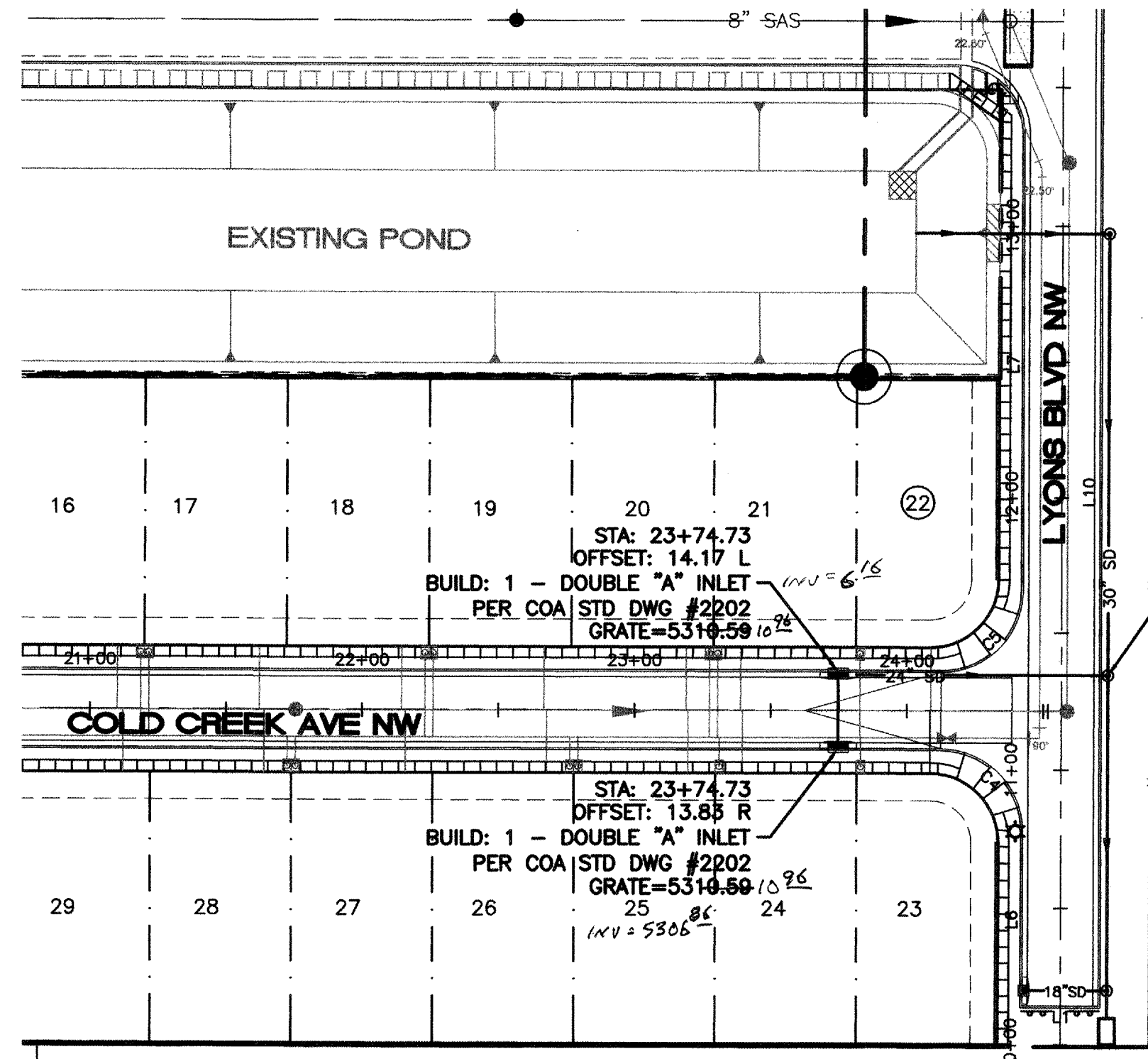
TITLE: **SUNDANCE ESTATES - PHASE 1-B**
UTILITY IMPROVEMENTS
LYONS BLVD / STA: 10+00 TO 13+74.06

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
NGV 15 2006	NOV 17 2006		
REVIEW COMMITTEE	CITY ENGINEER		

CITY PROJECT NO. **761782** ZONE MAP NO. **B-11-Z** SHEET **11** OF **13**

SCANNED BY
PLANNING

21+00 22+00 23+00 24+00 25+00



STA: 24+73.69
OFFSET: 13.00' L
BUILD 4' DIA TYPE "E" MH
PER COA STD DWG #2102

COLD CREEK AVE NW

99' LF 24" SD
SLOPE @ 1.00%

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by David Vigil, of Jordan Gallagay, Inc., NMPS number 8911.

2/13/07

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

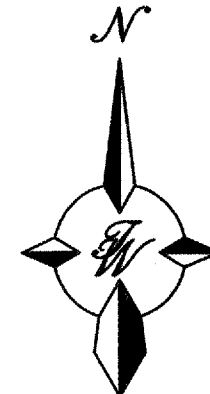
TITLE: **SUNDANCE ESTATES - PHASE 1-B**
STORM DRAIN IMPROVEMENTS
COLD CREEK AVE NW / STA: 23+74.73 TO 24+73.69

DESIGN REVIEW COMMITTEE
NOV 15 2006

CITY ENGINEER APPROVAL
NOV 17 2006
CITY ENGINEER

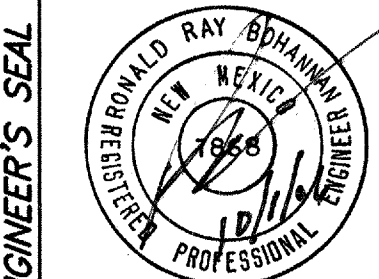
CITY PROJECT NO. **761782** ZONE MAP NO. **B-11-Z** SHEET **12** OF **13**

- NOTE:
- SEE MASTER UTILITY PLAN SHEET 8 FOR SANITARY SEWER AND FORCED MAIN SEWER SERVICE CONNECTION DETAILS.
 - ALL FIRE HYDRANTS ARE TO BE BUILT WITH MECH RESTRAINTS W/BLOCKING PER COA STANDARDS.
 - ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.
 - ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
- 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 INVERTS PRIOR TO CONSTRUCTION.



GRAPHIC SCALE

50 25 0 25 50
SCALE: HORIZ. 1"=50'
VERT. 1"=10'



REVISIONS	
NO.	DATE
1	09-20-06
2	09-20-06
3	09-20-06
4	09-20-06
5	09-20-06
6	09-20-06
7	09-20-06
8	09-20-06
9	09-20-06
10	09-20-06
11	09-20-06
12	09-20-06
13	09-20-06
14	09-20-06
15	09-20-06
16	09-20-06
17	09-20-06
18	09-20-06
19	09-20-06
20	09-20-06
21	09-20-06
22	09-20-06
23	09-20-06
24	09-20-06
25	09-20-06
26	09-20-06
27	09-20-06
28	09-20-06
29	09-20-06
30	09-20-06
31	09-20-06
32	09-20-06
33	09-20-06
34	09-20-06
35	09-20-06
36	09-20-06
37	09-20-06
38	09-20-06
39	09-20-06
40	09-20-06
41	09-20-06
42	09-20-06
43	09-20-06
44	09-20-06
45	09-20-06
46	09-20-06
47	09-20-06
48	09-20-06
49	09-20-06
50	09-20-06
51	09-20-06
52	09-20-06
53	09-20-06
54	09-20-06
55	09-20-06
56	09-20-06
57	09-20-06
58	09-20-06
59	09-20-06
60	09-20-06
61	09-20-06
62	09-20-06
63	09-20-06
64	09-20-06
65	09-20-06
66	09-20-06
67	09-20-06
68	09-20-06
69	09-20-06
70	09-20-06
71	09-20-06
72	09-20-06
73	09-20-06
74	09-20-06
75	09-20-06
76	09-20-06
77	09-20-06
78	09-20-06
79	09-20-06
80	09-20-06
81	09-20-06
82	09-20-06
83	09-20-06
84	09-20-06
85	09-20-06
86	09-20-06
87	09-20-06
88	09-20-06
89	09-20-06
90	09-20-06
91	09-20-06
92	09-20-06
93	09-20-06
94	09-20-06
95	09-20-06
96	09-20-06
97	09-20-06
98	09-20-06
99	09-20-06
100	09-20-06

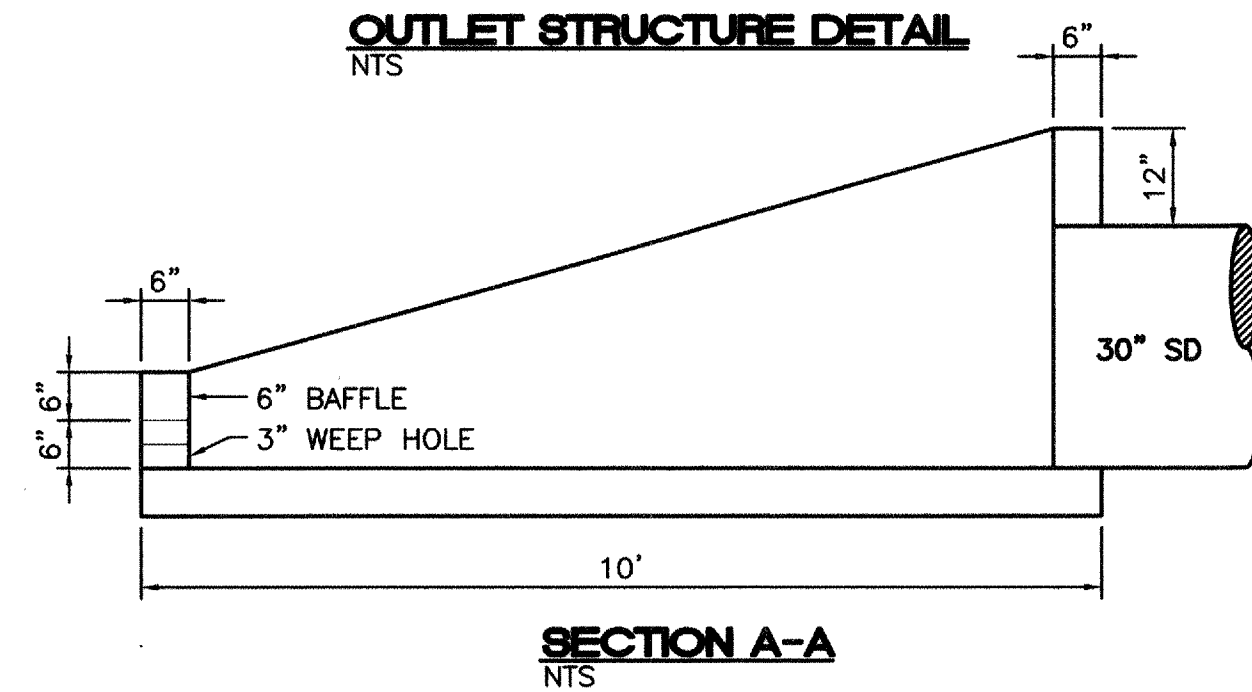
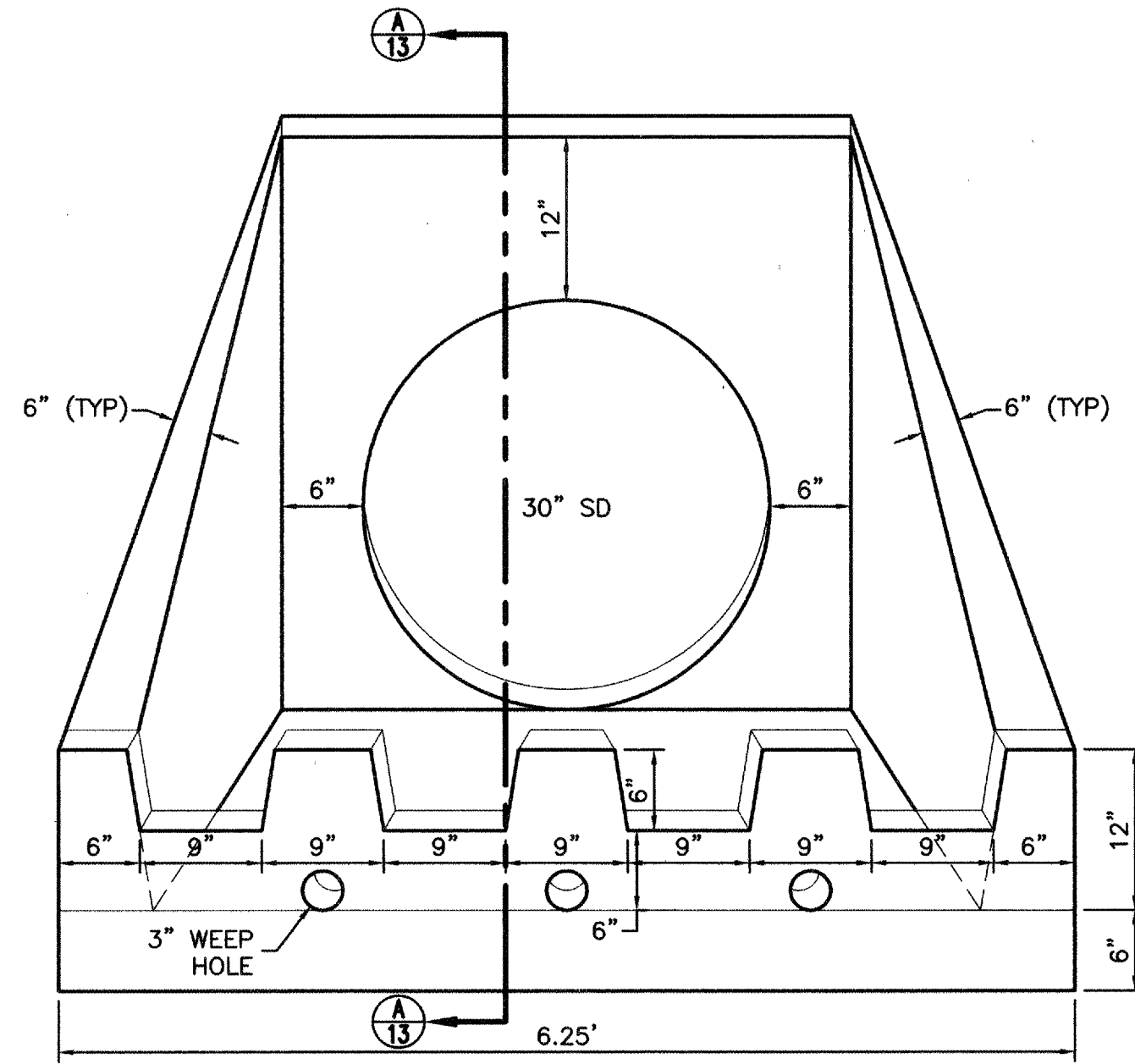
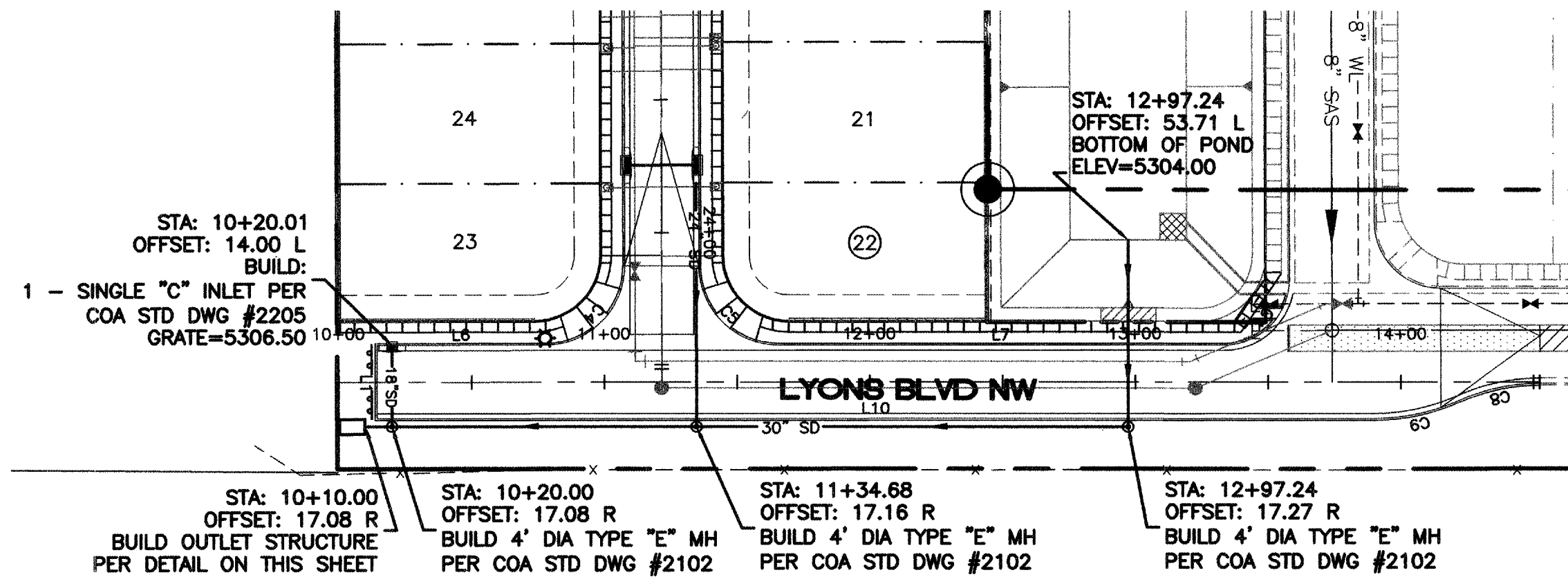
STA: 23+74.73
BUILD DOUBLE "A" INLET
GRATE=5310.50
INV IN=5306.99
INV OUT=5306.99
SLOPE 0.6%

STA: 24+73.69
BUILD 4' DIA TYPE "E" DROP MH
GRATE=5310.50
INV IN=5306.99
INV IN(N)=5302.46
INV IN(S)=5302.46
SLOPE 0.24%

RECORD DRAWING

SCANNED BY
PLANNING

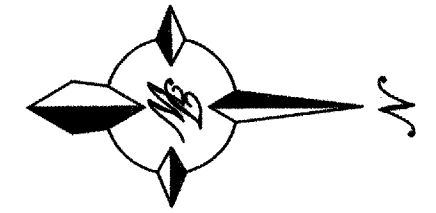
10+00 11+00 12+00 13+00 14+00



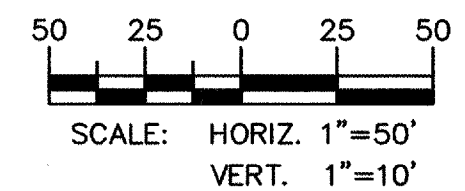
- NOTE:
1. SEE MASTER UTILITY PLAN SHEET 8 FOR SANITARY SEWER AND FORCED MAIN SEWER SERVICE CONNECTION DETAILS.
 2. ALL FIRE HYDRANTS ARE TO BE BUILT WITH MECH RESTRAINTS W/BLOCKING PER COA STANDARDS.
 3. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.
 4. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

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 INVERTS PRIOR TO CONSTRUCTION.



GRAPHIC SCALE



LYONS BLVD NW

10' LF 30" SD
SLOPE @ 0.60%

115' LF 30" SD
SLOPE @ 0.60%

163' LF 30" SD
SLOPE @ 0.60%

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohman, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by David Vigil, of Jordan Gallegos, Inc., NMPS number 8911.

7/27/07

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **SUNDANCE ESTATES - PHASE 1-B**
STORM DRAIN IMPROVEMENTS
LYONS BLVD NW / STA: 10+00 TO 12+97.24

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED NOV 15 2006 DESIGN REVIEW COMMITTEE	APPROVED NOV 17 2006 CITY ENGINEER		

CITY PROJECT NO. **761782** ZONE MAP NO. **B-11-Z** SHEET **13** OF **13**