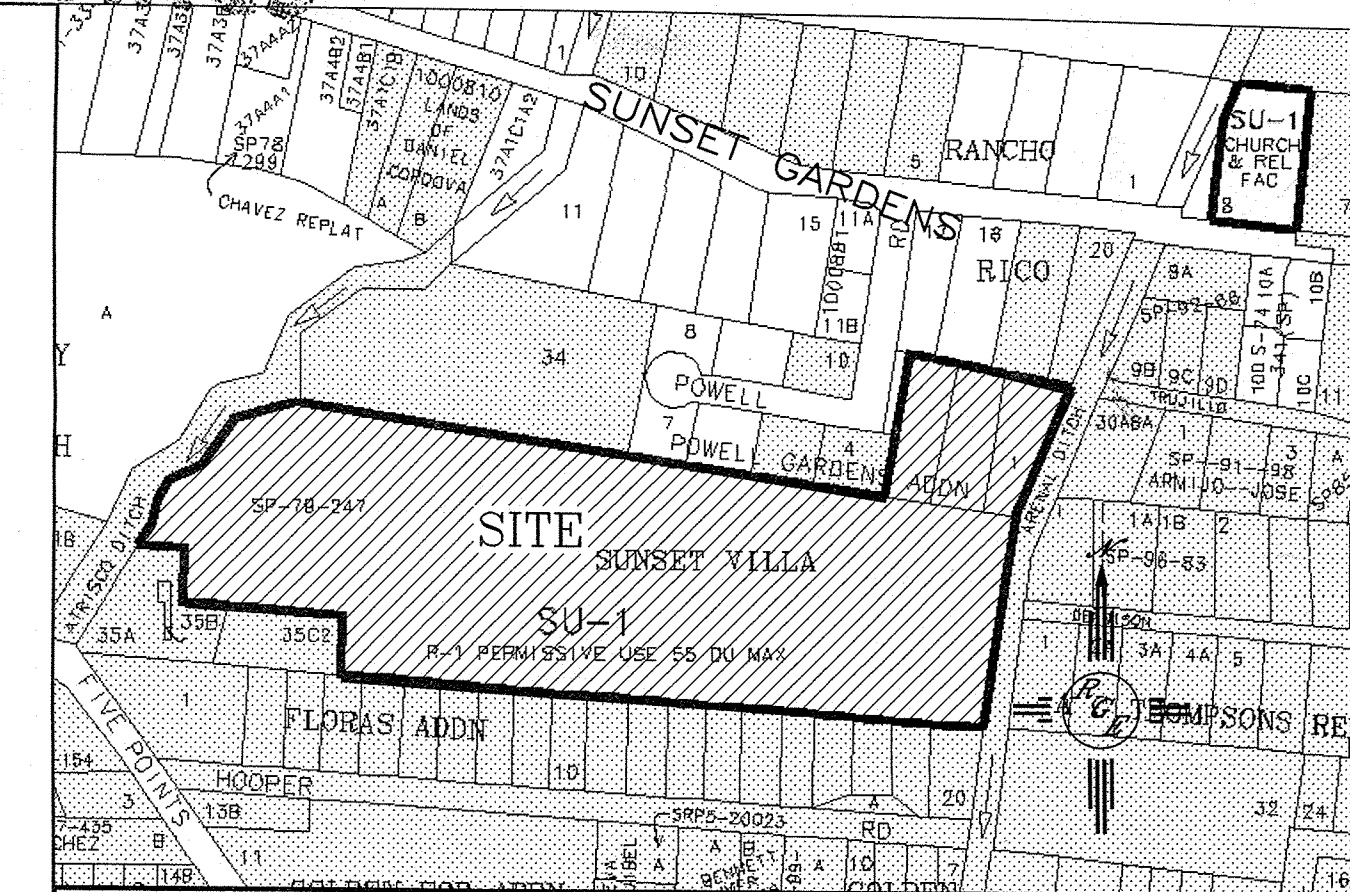


CONSTRUCTION PLANS FOR **SUNSET VILLA**

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTIONS
CITY CONSTRUCTION ENGINEER
DATE: 6/5/2018



VICINITY MAP: K-12-Z

UTILITY & PAVING IMPROVEMENTS

CITY OF ALBUQUERQUE
NEW MEXICO
MARCH 2014

RGE

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6. GRADING AND DRAINAGE PLAN (FOR REFERENCE ONLY)
- 6A. GRADING AND DRAINAGE PLAN (FOR REFERENCE ONLY)
7. MASTER PAVING PLAN
8. TWILIGHT VISTA LANE PAVING IMPROVEMENTS
9. GARDEN WAY PAVING IMPROVEMENTS 1
10. GARDEN WAY PAVING IMPROVEMENTS 2
11. GARDEN PATCH LANE AND STUB OUT PAVING IMPROVEMENTS
12. WHITTEN TRAIL PAVING IMPROVEMENTS
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15. TWILIGHT VISTA LANE UTILITY IMPROVEMENTS
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22. GARDEN WAY STORM DRAIN IMPROVEMENTS 1
23. GARDEN WAY STORM DRAIN IMPROVEMENTS 2
24. STUB STREET STORM DRAIN IMPROVEMENTS
25. EROSION CONTROL PLAN

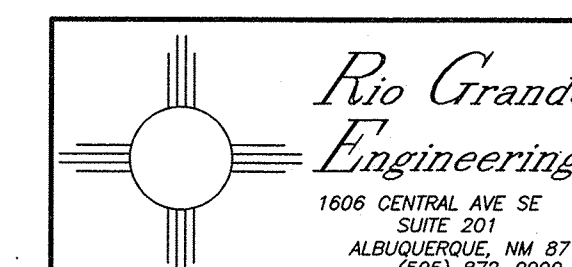
RECORD DRAWINGS

I, John Allen Bolinger, of the firm of Smith Engineering Company, Smith, a Registered Professional Engineer in the State of New Mexico, do hereby state, that to the best of my knowledge and belief, that the infrastructure as part of this project has been observed by a qualified person and has been constructed in general accordance with the City of Albuquerque Standard Specifications for Public Works Construction (Including all updates), while someone from Smith was Onsite, approved by the City Engineer and the original design intent of the approved plans has been met, except as noted on the Drawings. The Record Drawings are based on site observations by Smith Personnel and on as-built survey.
Russ P. Hugg (Surveyor's name),
NMPS number 9750 (PS#).

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
4/24, 2017



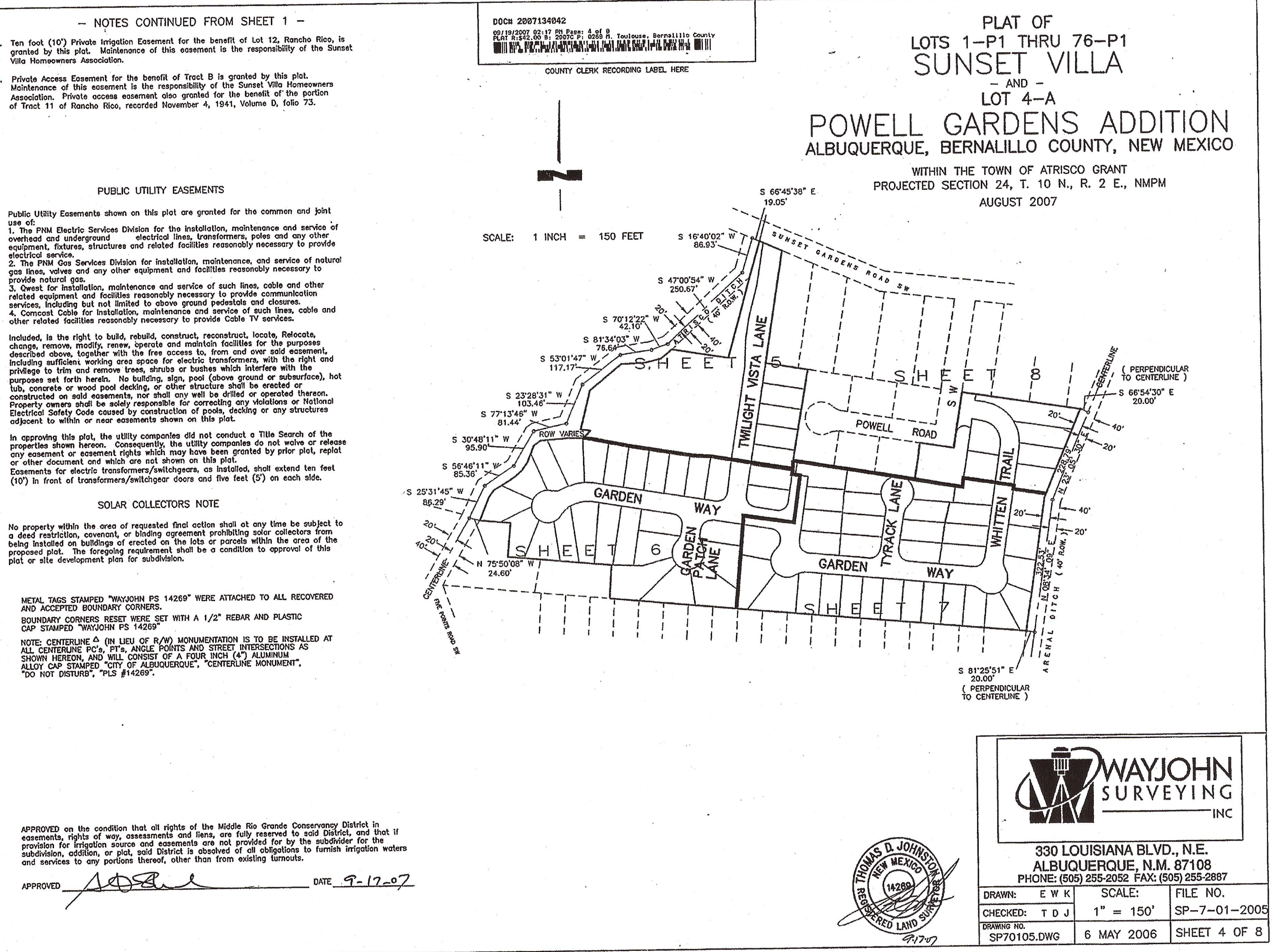
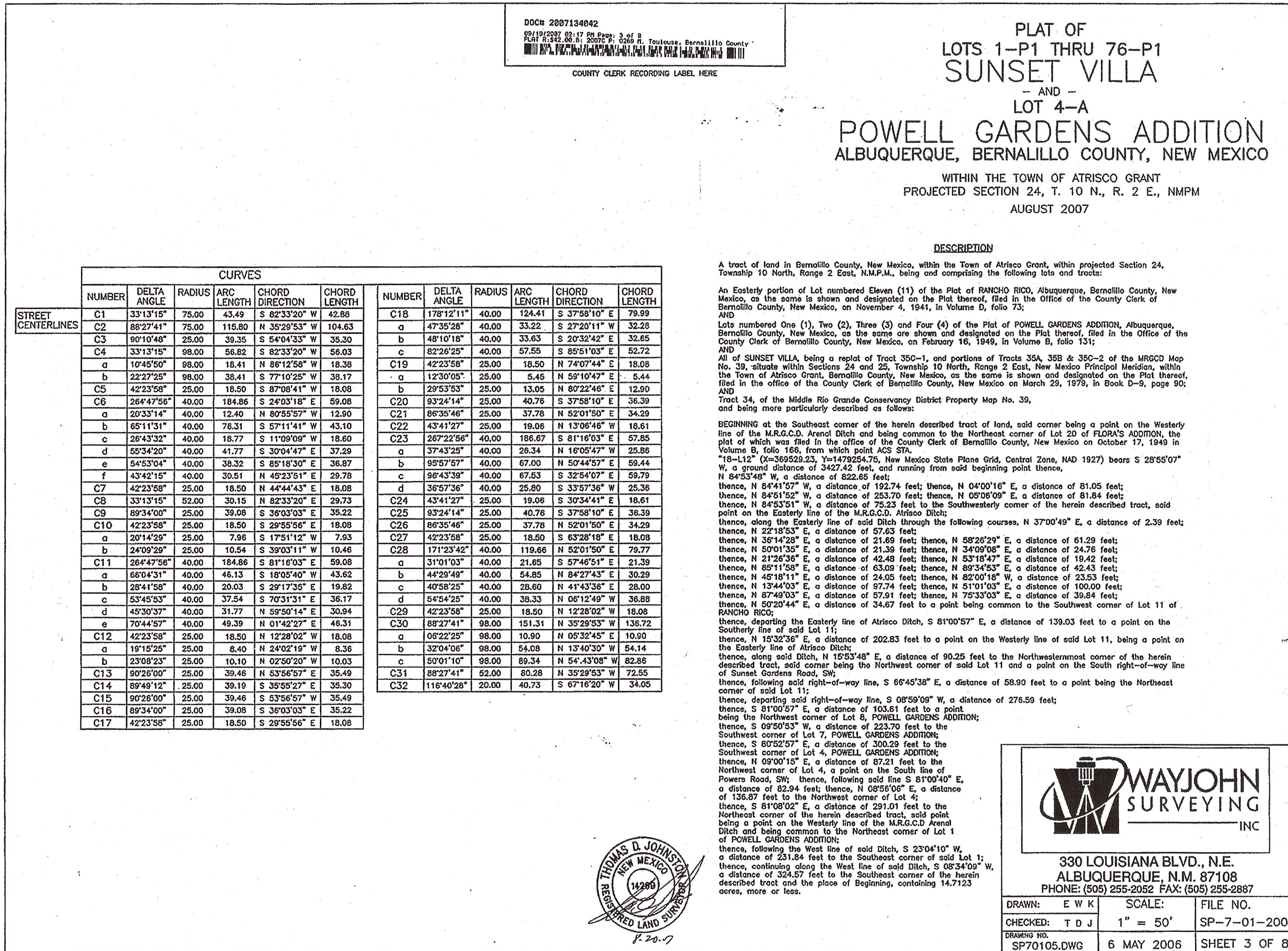
- THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED
- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
 - ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
 - ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
 - ☐ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
		DRC Chairman	<i>Jim Williams</i>	5-3-16	APPROVED FOR CONSTRUCTION		
		Transportation	<i>John K. Hugg</i>	3-28-16			
		Hydrology	<i>John K. Hugg</i>	3-28-16			
		ABCWUA	<i>John K. Hugg</i>	3-28-16			
		Constr. Mngmt.					
		Constr. Coord.			ABCWUA Engineer Date <u>5/10/16</u>		
		Water/Wastewater					
CITY PROJECT NO.				764882	SHEET 1 OF 25		

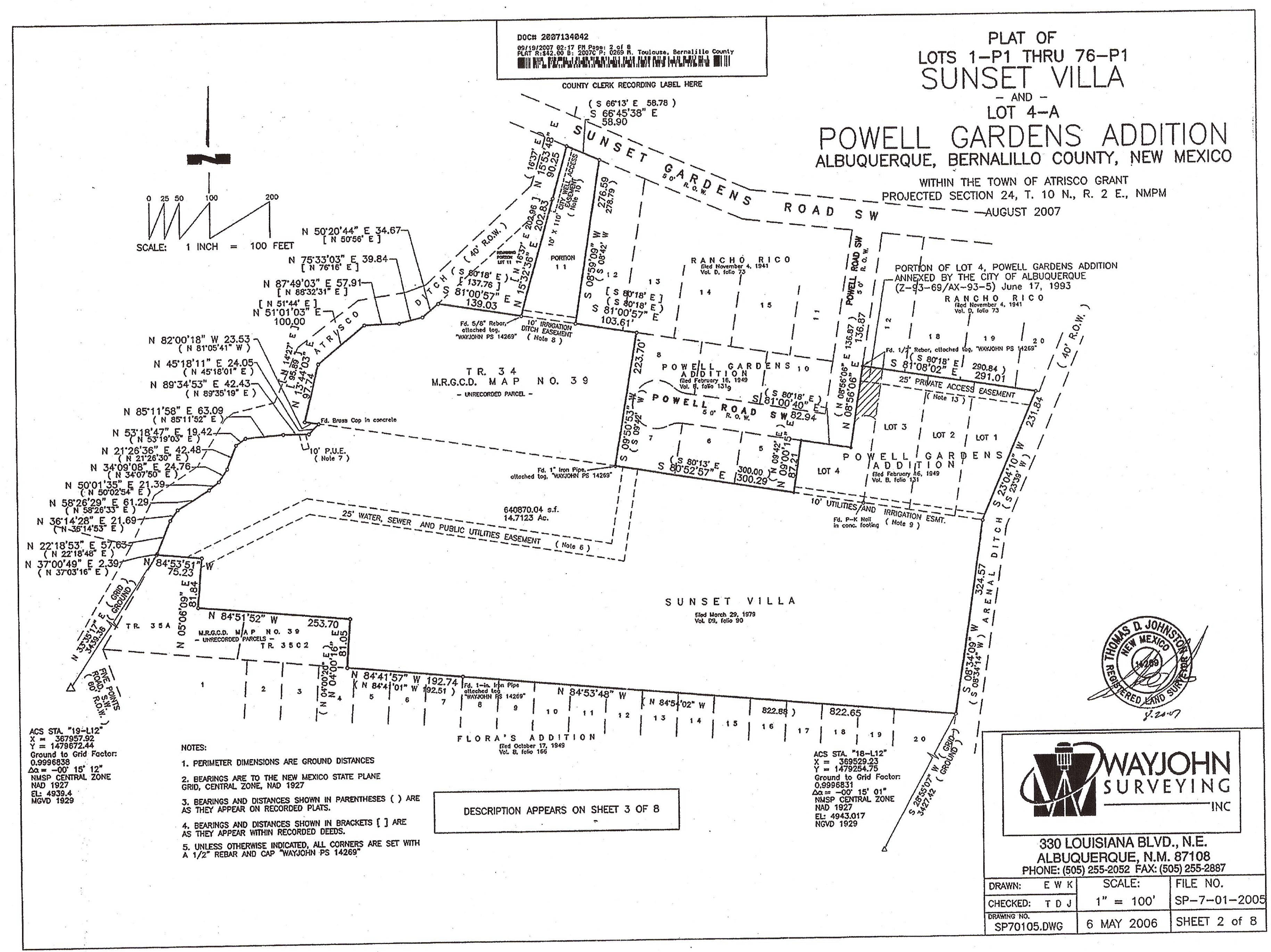
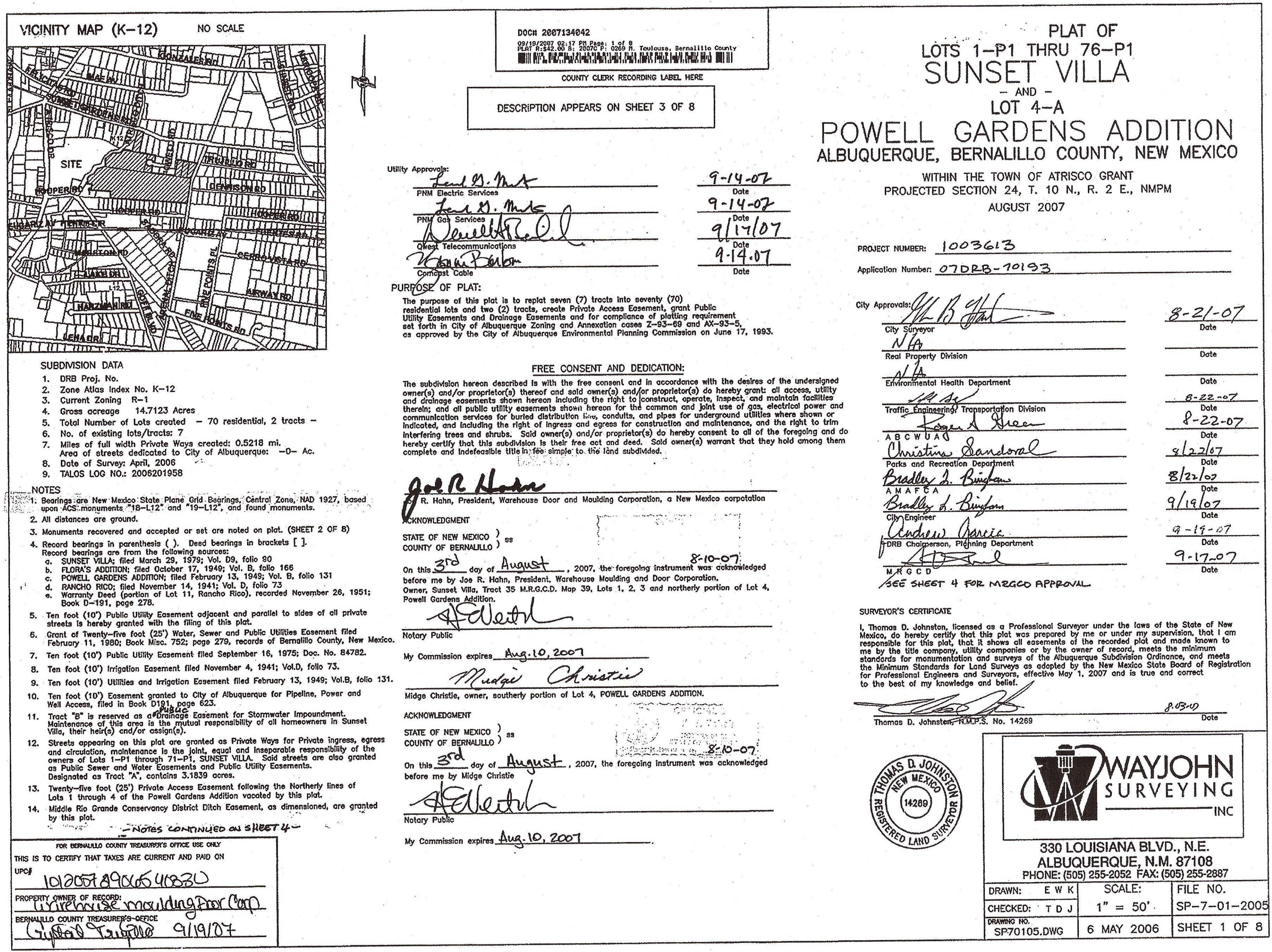
For Information only

sheet 2

RECORD DRAWINGS



RECORD DRAWINGS

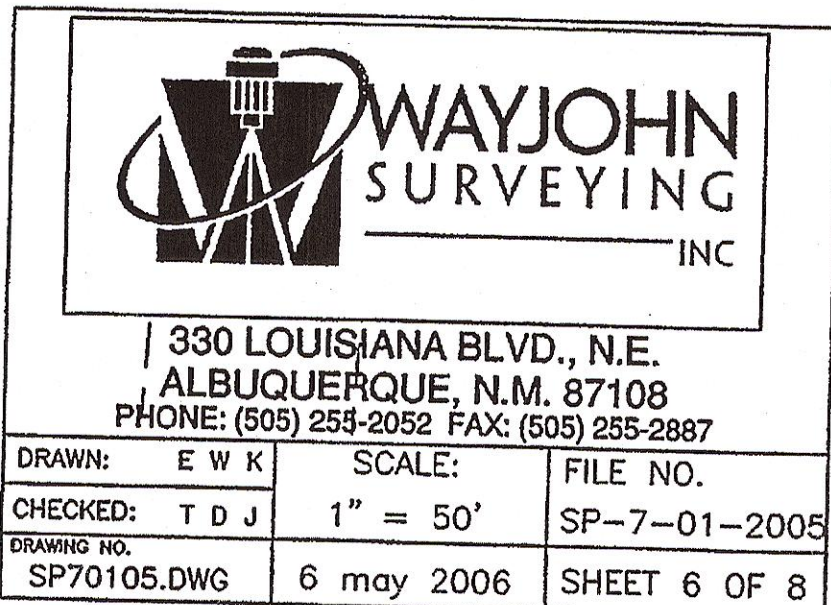
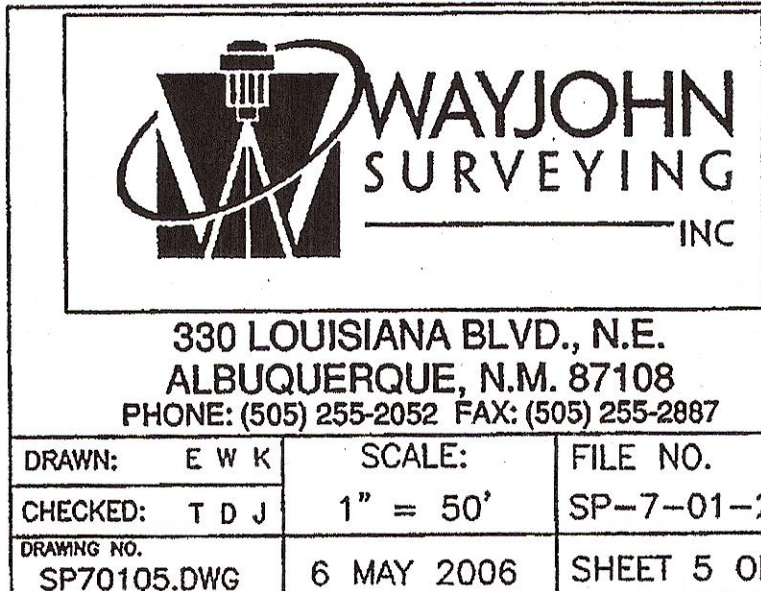


WAYJOHN
SURVEYING
INC.

330 LOUISIANA BLVD., N.E.
ALBUQUERQUE, N.M. 87108
PHONE: (505) 255-2052 FAX: (505) 255-2887

DRAWN: E W K	SCALE: 1" = 50'	FILE NO. SP-7-01-2005
CHECKED: T D J		

DRAWING NO. SP70105.DWG 6 MAY 2006 SHEET 7 OF 8



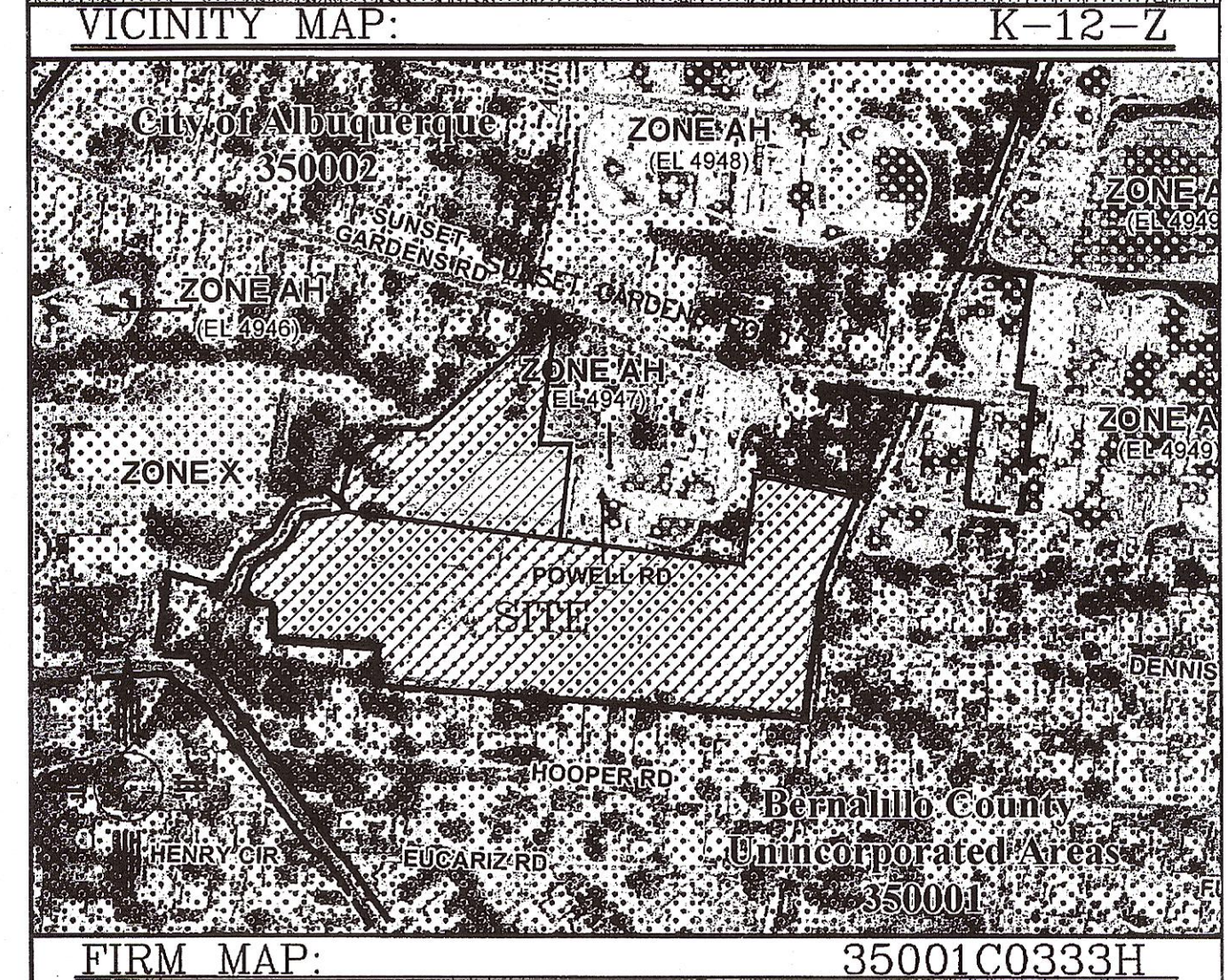
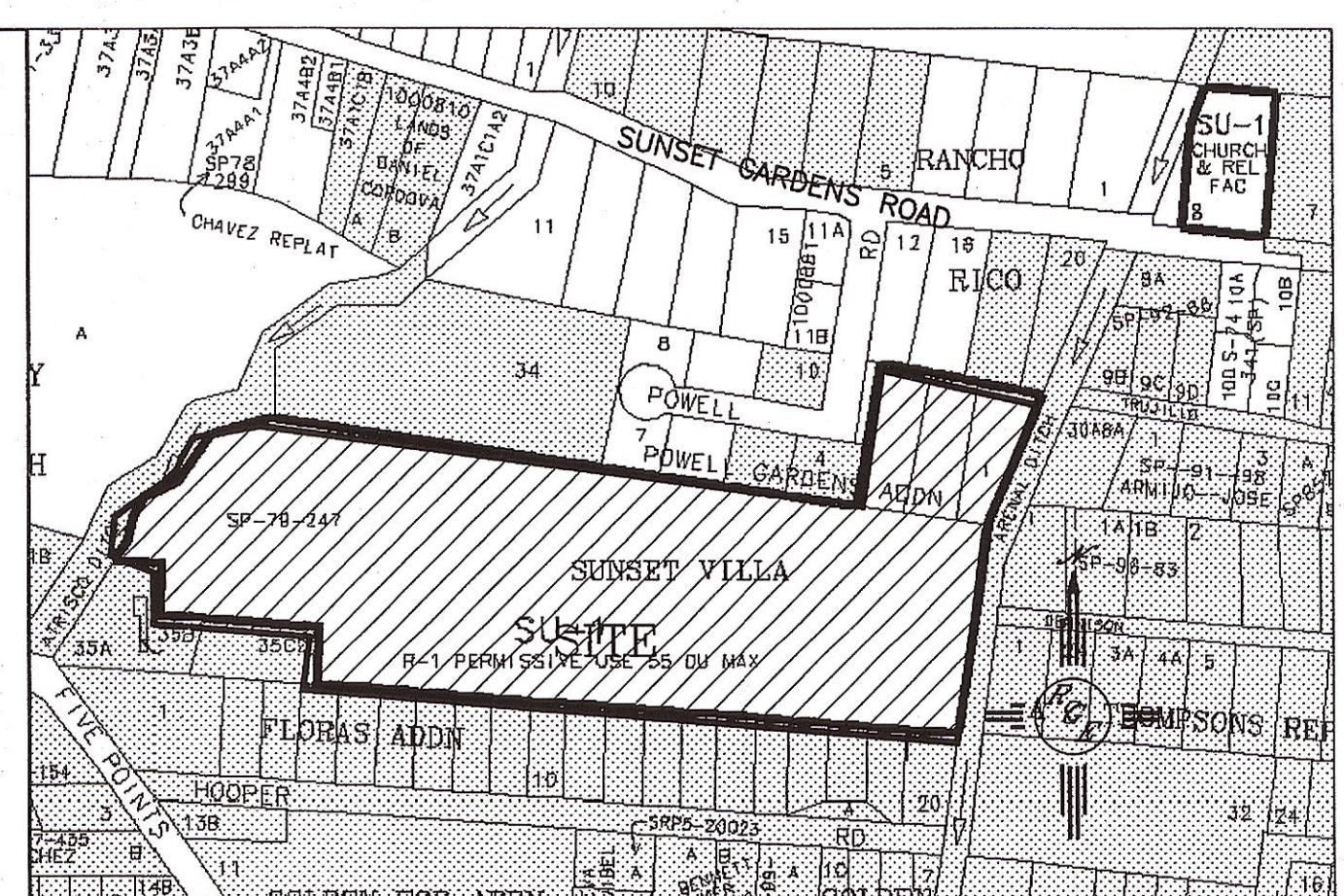
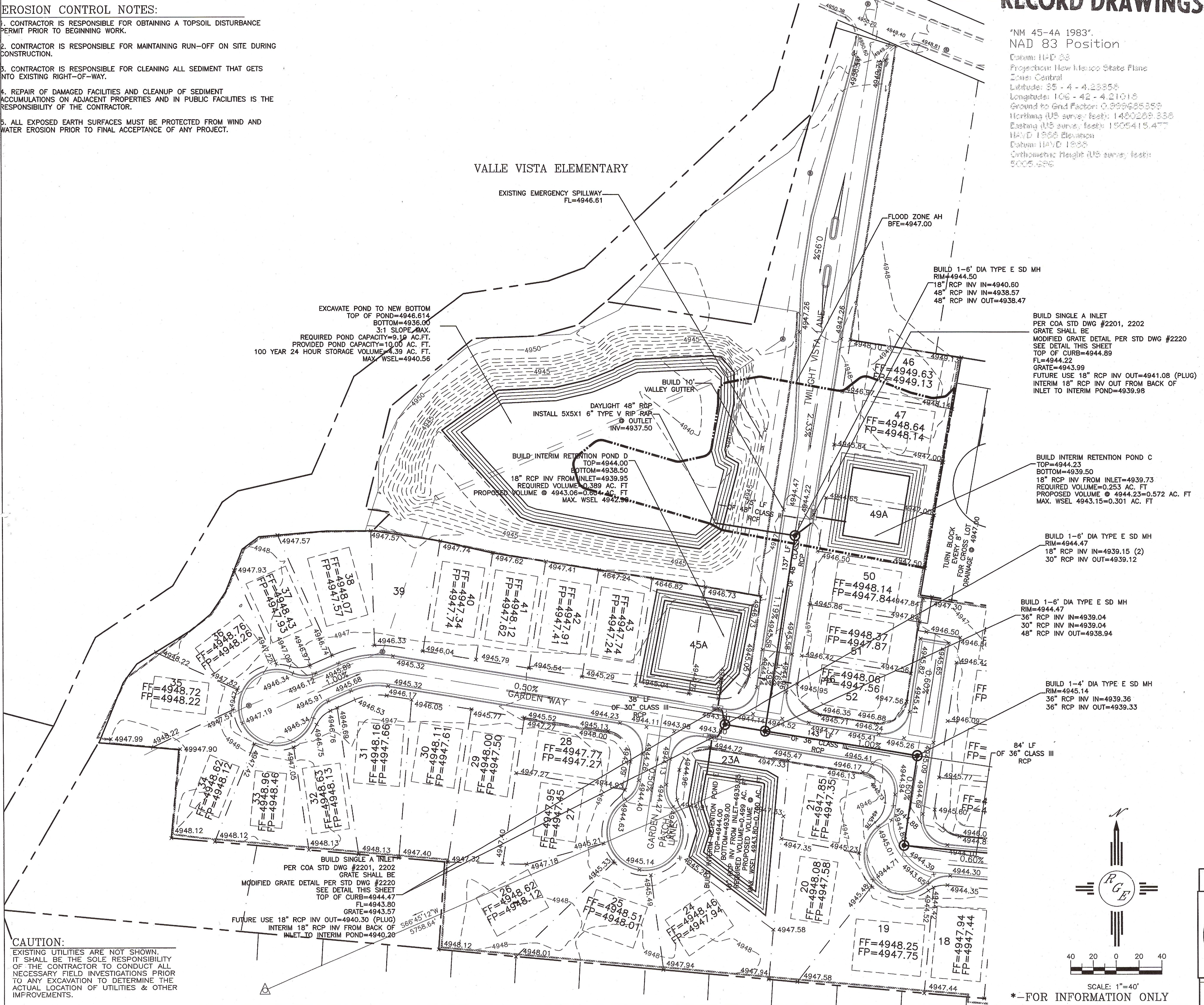
EROSION CONTROL NOTES:

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 ACCEPTANCE OF ANY PROJECT.

RECORD DRAWINGS

"NM 45-4A 1983".
NAD 83 Position
Datum: NAD 83
Projection: New Mexico State Plane
Zone: Central
Latitude: 35 - 4 - 4.23358
Longitude: 106 - 42 - 4.21015
Ground to Grid Factor: 0.999985358
Northing (US survey feet): 1480288.838
Easting (US survey feet): 1505415.477
NAD 1983 Elevation
Datum: NAD 1983
Orthometric Height (US survey feet): 5005.286

VALLE VISTA ELEMENTARY



LEGAL DESCRIPTION:
LOT 1 P1-76 P1, SUNSET VILLA AND LOT 4-A, POWELL GARDENS ADDITION

- NOTES:
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
 2. ALL CURB AND GUTTER TO 8" STANDARD UNLESS OTHERWISE NOTED.
 3. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
 4. ALL POND EMERGENCY SPILLWAYS ARE THE INLET GRATE. IN EVENT GREATER THAN 100-YEAR 10 DAY, PONDS WILL OVER FLOW TO THE STREET VIA THE INLET GRATES.
 5. A LOWR F WILL BE REQUIRED PRIOR TO BUILDING PERMIT IS ISSUED ON LOTS 46 AND 47.
 6. A FLOOD PLAIN PERMIT IS REQUIRED PRIOR TO CONSTRUCTION WITHIN FLOOD ZONE.
 7. THIS SITE RETAINS ALL DEVELOPED FLOWS, THEREFORE THE FIRST FLUSH VOLUMES ARE RETAINED ONSITE.
 8. ALL INLET GRATE ELEVATIONS SHALL BE .226' BELOW FLOW LINE AT CENTER OF GRADE AND PROJECTED FLOW LINE AS DESIGNATED ON PLAN.

LEGEND

---	5414	EXISTING CONTOUR
---	5415	EXISTING INDEX CONTOUR
---	5414	PROPOSED CONTOUR
---	5415	PROPOSED INDEX CONTOUR
---	5415	PROPOSED STORM DRAIN
x	4048.25	EXISTING SPOT ELEVATION
x	4048.25	PROPOSED SPOT ELEVATION
---		BOUNDARY
---		CENTERLINE
---		RIGHT-OF-WAY
---		PROPOSED CURB AND GUTTER
---		EXISTING CURB AND GUTTER
---		PROPOSED SIDEWALK
---		PROPOSED SETBACK
---		PROPOSED LOT LINE
---		PROPOSED SCREEN WALL
---		EXISTING SCREEN WALL
---		FLOOD ZONE AH

ENGINEER'S SEAL	SUNSET VILLA	DRAWN BY WCWJ
DAVID SOULE NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 14522	GRADING AND DRAINAGE PLAN	DATE 3-17-16
	Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	21401-LAYOUT-1-06-13
		SHEET # 6 OF 25
		JOB # 21401

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.

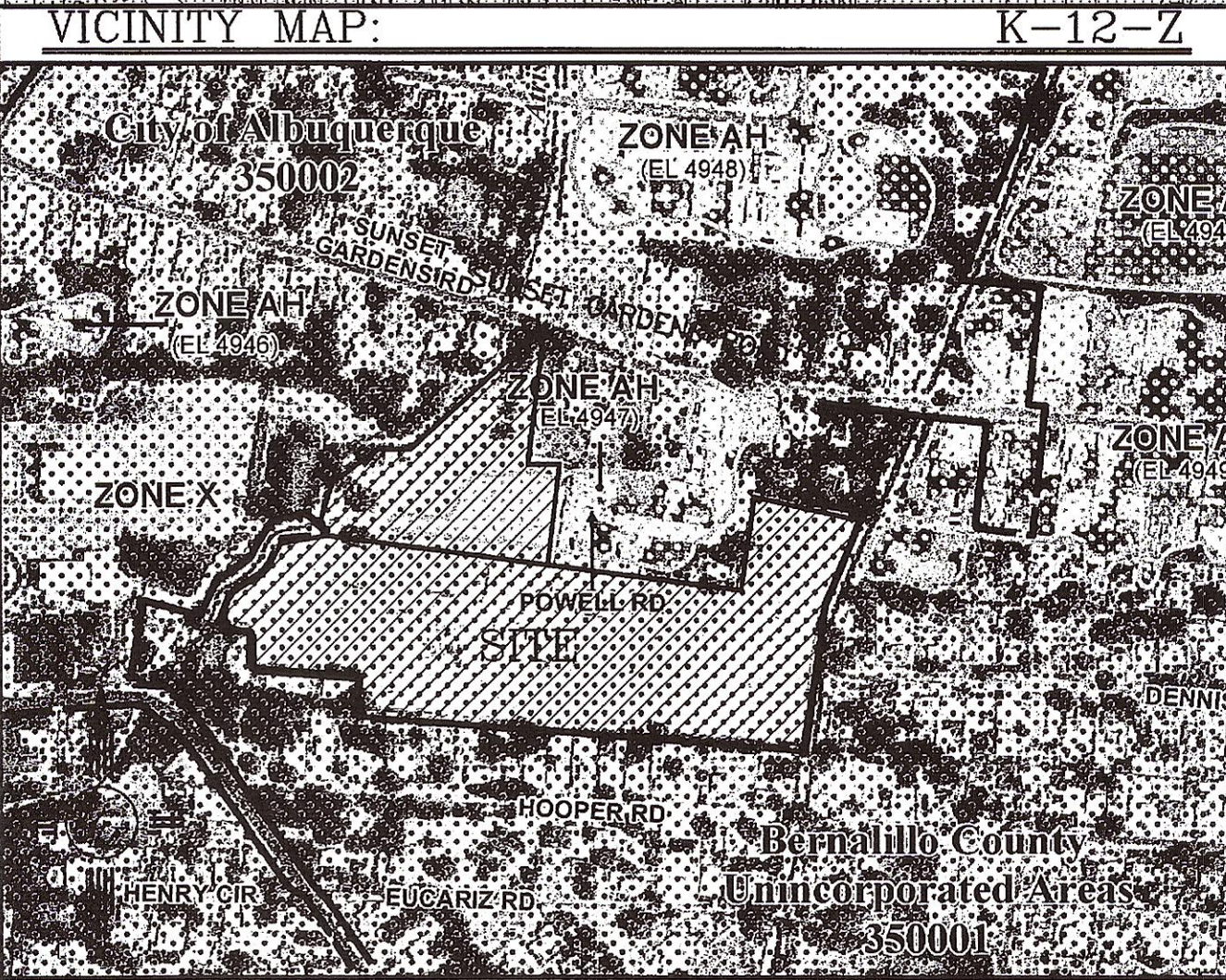
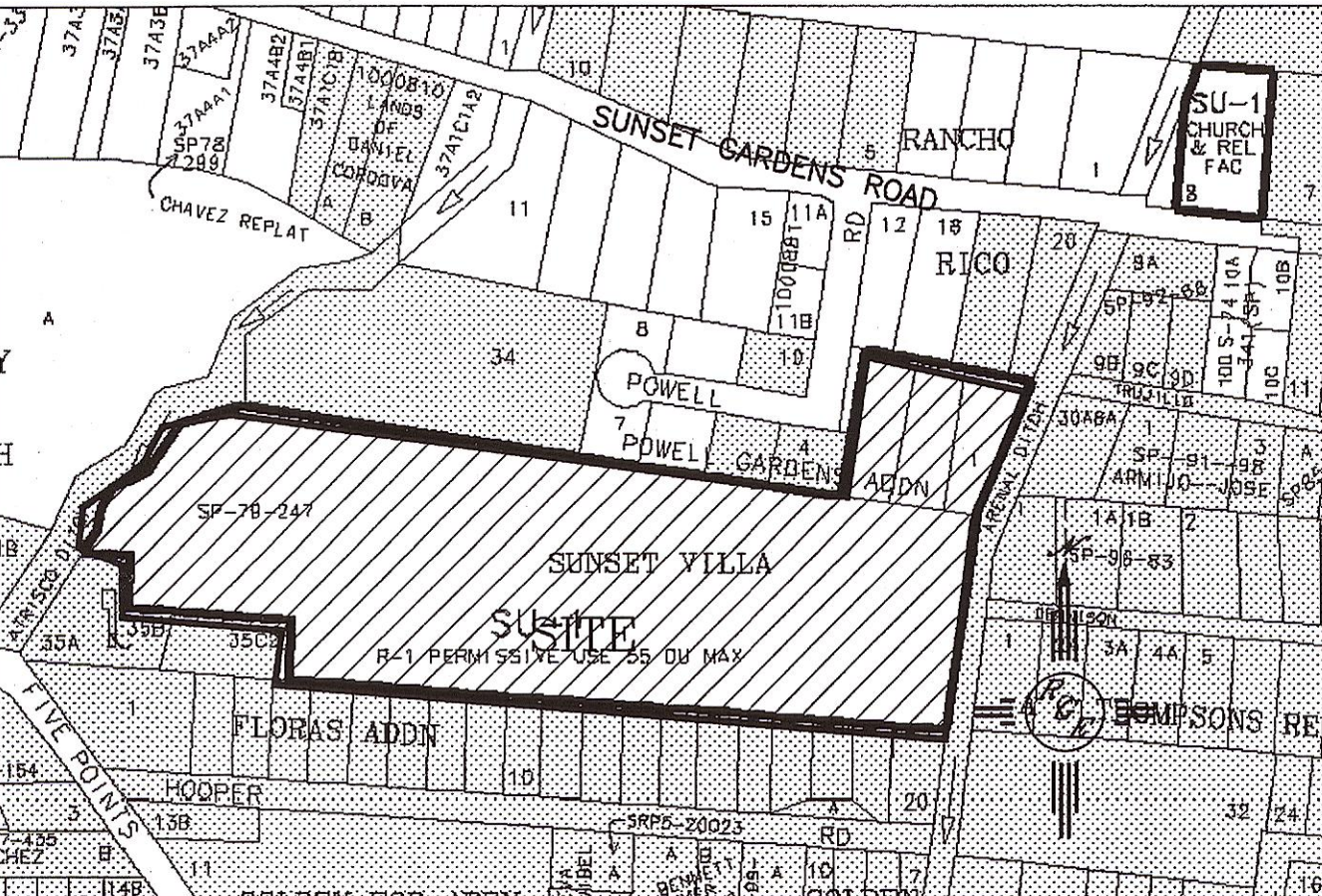
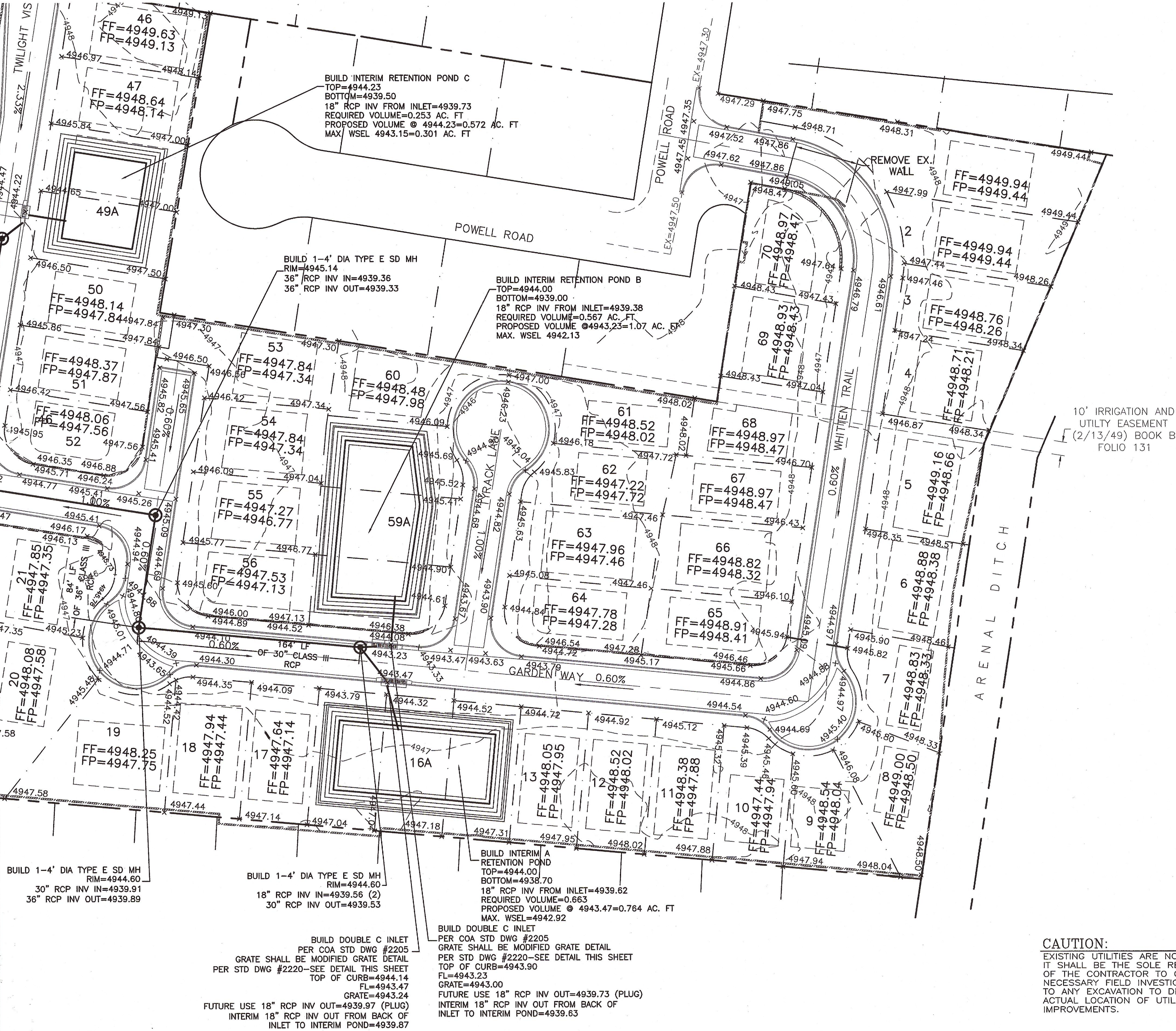
SCALE: 1"=40'
*-FOR INFORMATION ONLY

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NAD 83 Position
Datum: NAD 83
Projection: New Mexico State Plane
Zone: Central
Latitude: 35 - 4 - 4.23358
Longitude: 106 - 42 - 4.21016
Ground to Gnd Factor: 0.999685359
Northing (US survey feet): 1460269.386
Easting (US survey feet): 1505415.477
NAVD 1988 Elevation
Datum: NAVD 1988
Orthometric Height (US survey feet): 5005.626



LEGAL DESCRIPTION:
LOT 1 P1-76 P1, SUNSET VILLA AND LOT 4-A, POWELL GARDENS ADDITION

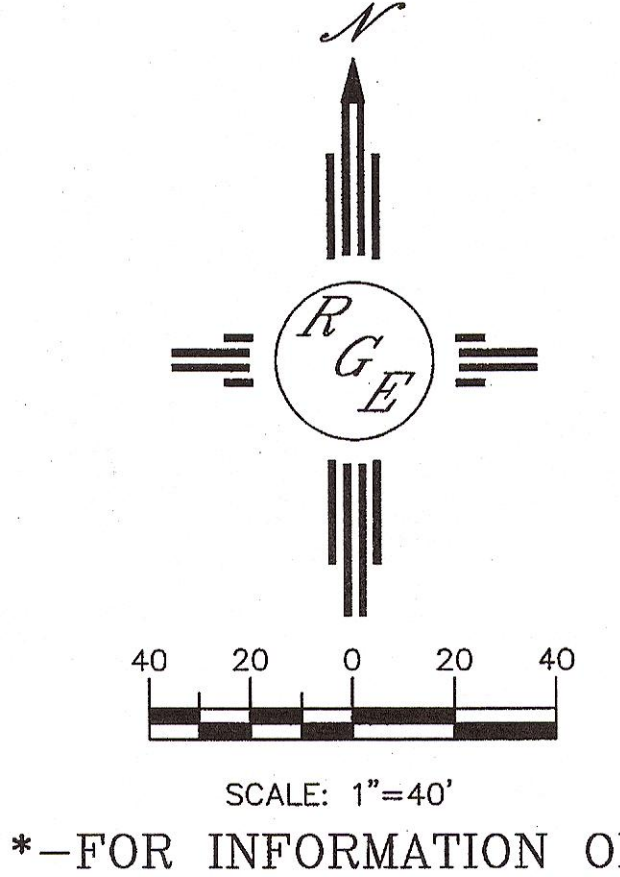
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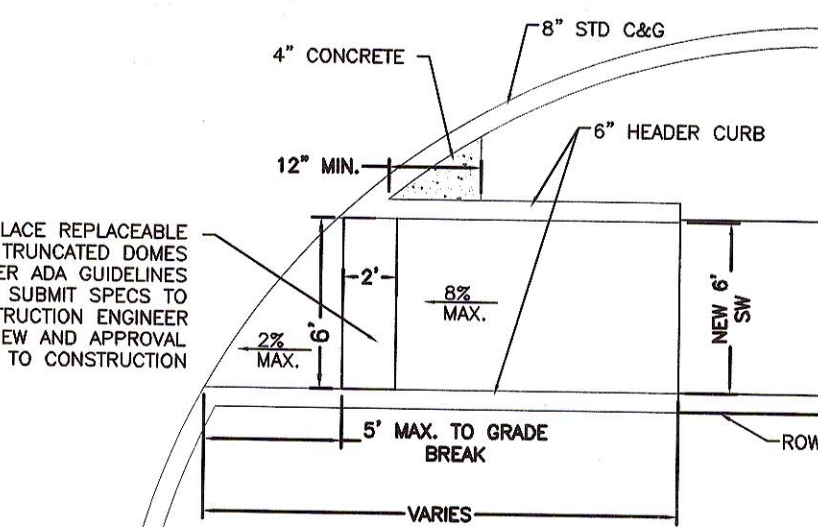
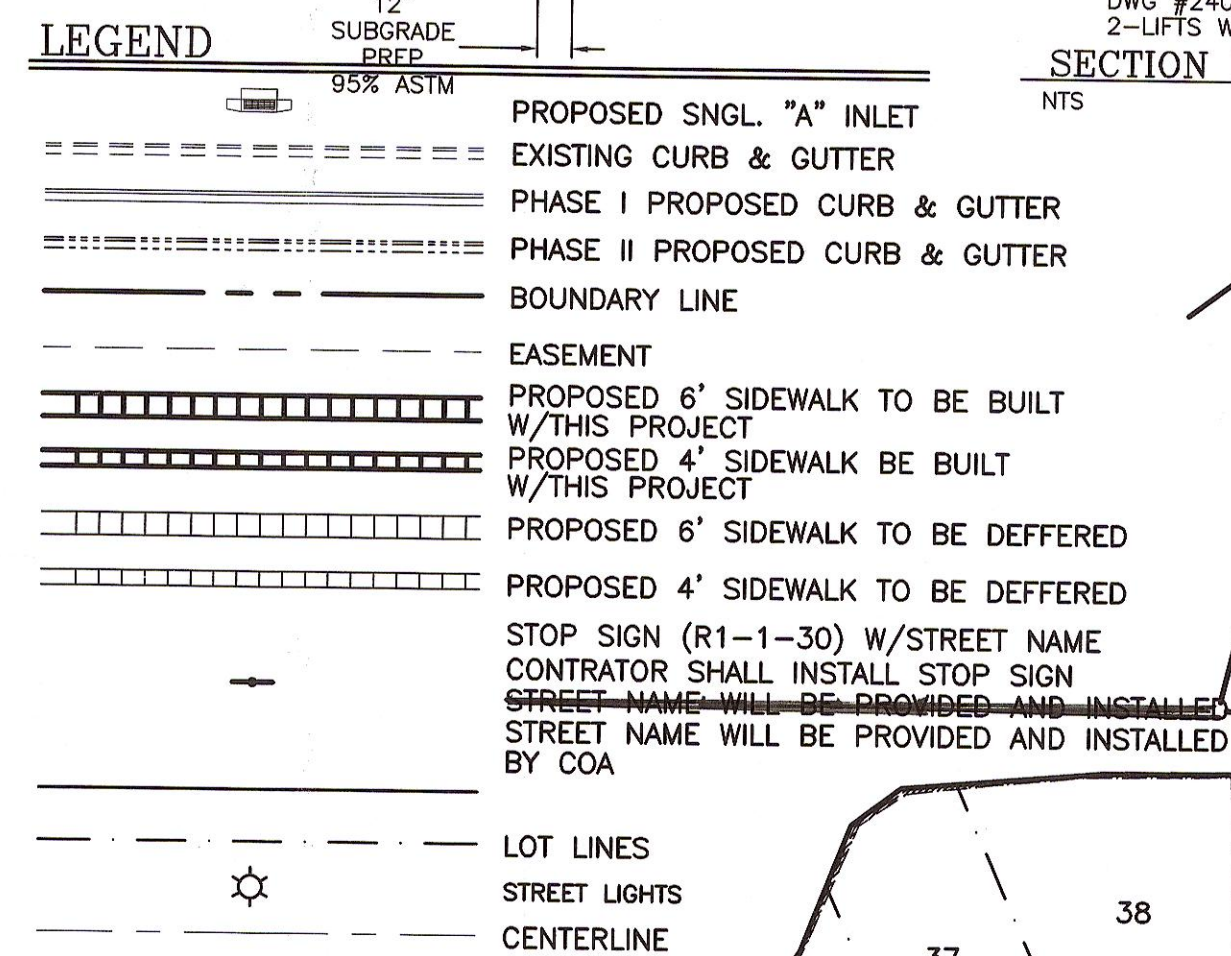
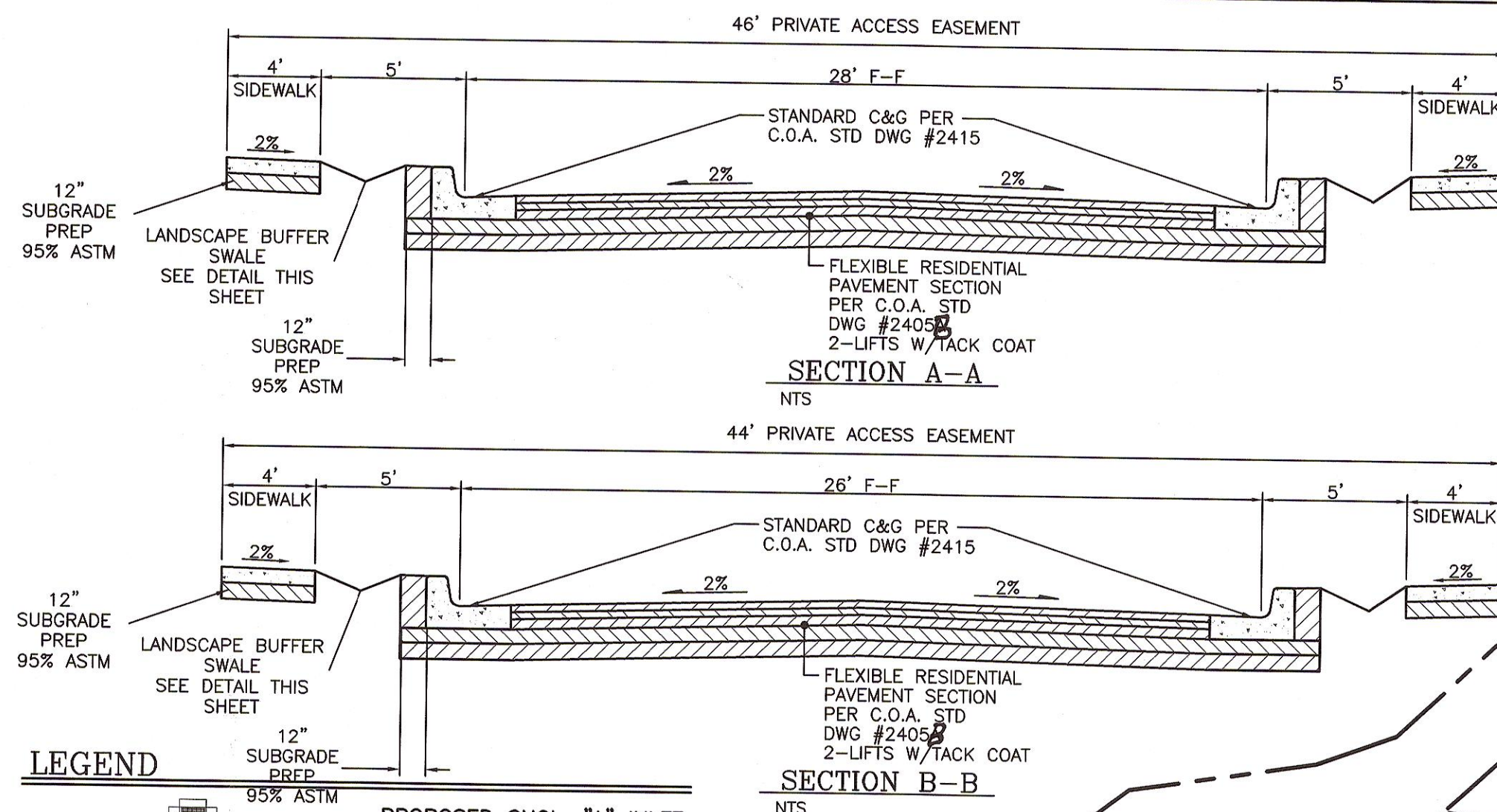
LEGEND	
---	EXISTING CONTOUR
---	EXISTING INDEX CONTOUR
---	PROPOSED CONTOUR
---	PROPOSED INDEX CONTOUR
---	PROPOSED STORM DRAIN
x	EXISTING SPOT ELEVATION
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---	BOUNDARY
---	CENTERLINE
---	RIGHT-OF-WAY
---	PROPOSED CURB AND GUTTER
---	EXISTING CURB AND GUTTER
---	PROPOSED SIDEWALK
---	PROPOSED SETBACK
---	PROPOSED LOT LINE
---	PROPOSED SCREEN WALL
---	EXISTING SCREEN WALL
---	FLOOD ZONE AH

ENGINEER'S SEAL DAVID SOULE NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 14522	SUNSET VILLA GRADING AND DRAINAGE PLAN	DRAWN BY WCWJ DATE 3-17-16 21401-LAYOUT-1-06-13 SHEET # 6A OF 25 JOB # 21401
---	---	--

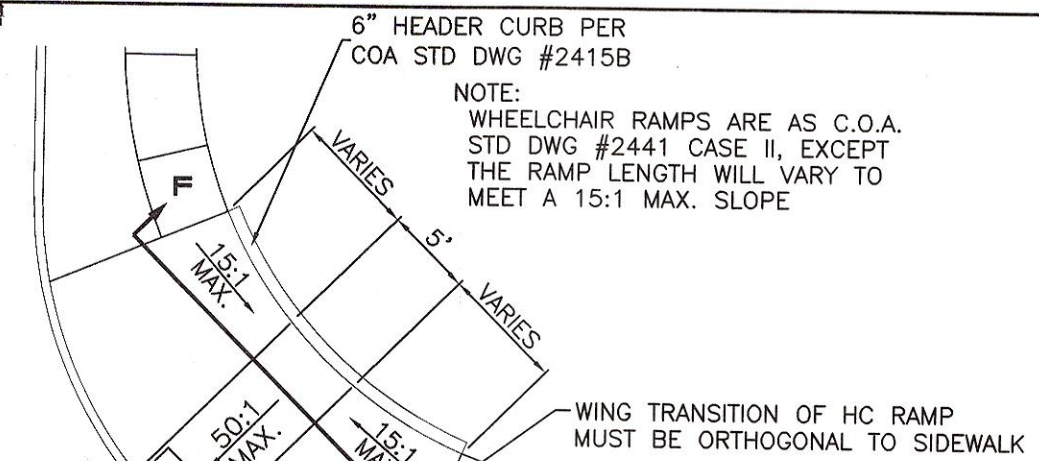
CAUTION:
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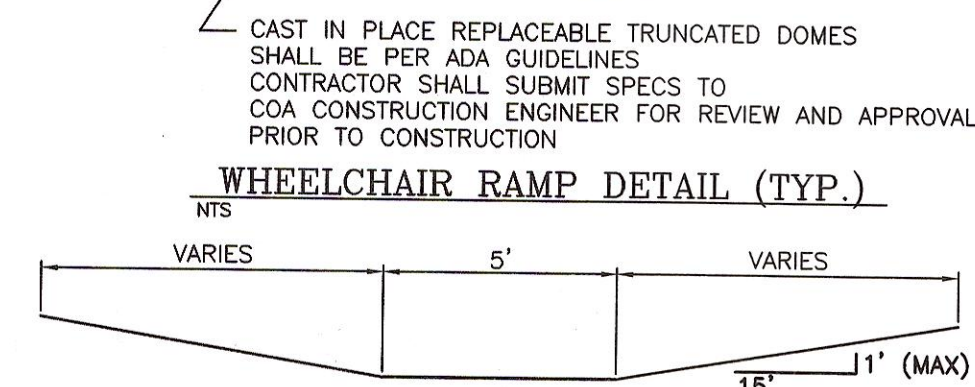
RECORD DRAWINGS



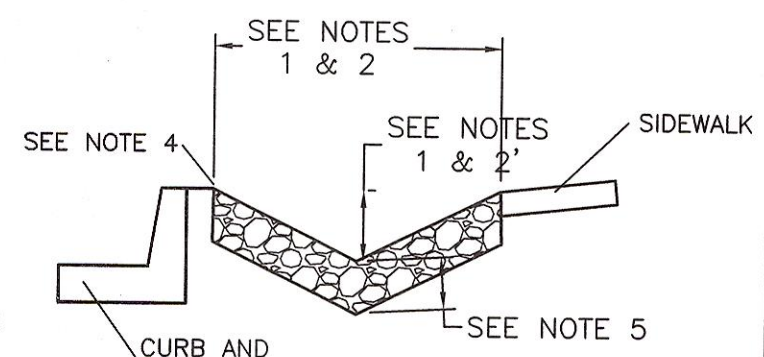
UNI-DIRECTIONAL WHEELCHAIR RAMP DETAIL (TYPE
NTS



WHEELCHAIR RAMP DETAIL (TYP.)



SECTION F-F

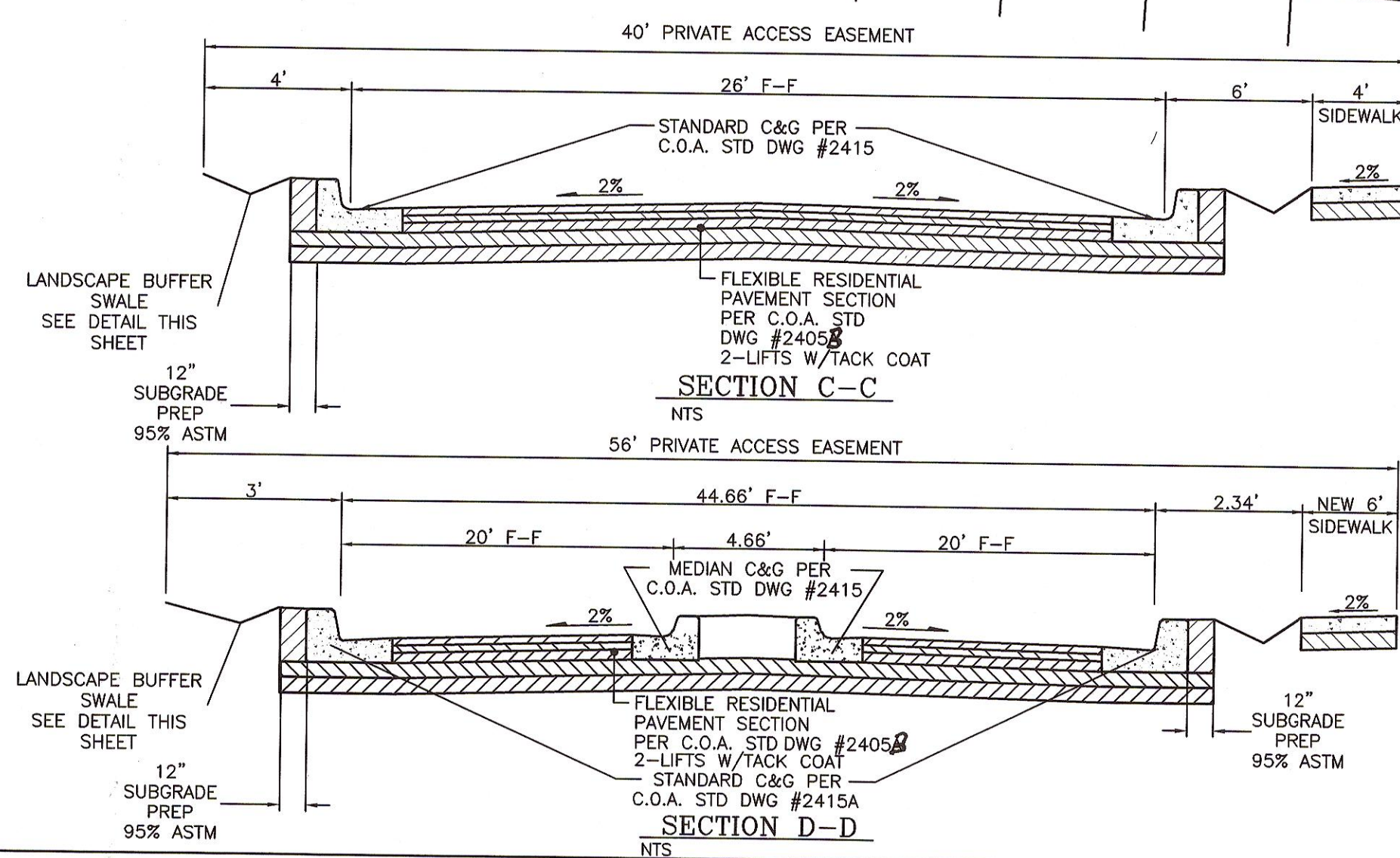


LANDSCAPE BUFFER SWALE DETAIL

1. SWALE TO BE 6" DEEP WHEN THE DISTANCE BETWEEN BACK OF CURB AND TOP OF SIDEWALK IS 5 FEET.
 2. SWALE TO BE 1" DEEPER THAN THE DISTANCE IN FEET BETWEEN THE BACK OF CURB AND THE SIDEWALK FOR LANDSCAPE BUFFERS DIFFERENT THAN 5 FEET WIDE.
 3. FOR WIDE LANDSCAPE BUFFERS, GREATER THAN 10 FEET, THE MAXIMUM DEPTH IS 10 INCHES.
 4. FINAL GRADE OF DIRT TO BE 1 TO 2 INCHES BELOW TOP OF CURB AND TOP OF SIDEWALK GRADE. 5.
- SURFACE BETWEEN BACK OF CURB AND SIDEWALK TO BE COVERED WITH GRAVEL MULK (MINIMUM %) , COBBLES OR RIP RAP, DIRT ENTIRE SWALE.
6. A CHECK DAM WILL BE REQUIRED FOR SWALES ON STEEPER LONGITUDINAL SLOPES AND LONGER SECTIONS. THE ENGINEER WILL DETERMINE THE LOCATION.
 7. LANDSCAPE FABRIC IS RECOMMENDED, BUT NOT REQUIRED, BETWEEN THE DIRT AND THE STONE. IF LANDSCAPE FABRIC IS TO BE USED IT IS TO BE PERMEABLE.
 8. DETAIL IS TO BE BUILT FOR ALL NEW CONSTRUCTION. IN THE CASE WHERE THE SIDEWALK IS EXISTING, THE LANDSCAPE BUFFER IS IMPROVED WITH LANDSCAPING AND/OR SOME FORM OF EROSION PROTECTION, THIS REQUIREMENT DOES NOT APPLY.

KEYED NOTE:

- A 6" VALLEY GUTTER PER C.O.A. STD DWG #2420
- B STANDARD C&G PER COA STD DWG #2415A
- C MOUNTABLE ROLL C&G PER COA STD DWG #2415A
- D HANDICAP RAMP SEE DETAIL THIS SHEET
- E 6" SIDEWALK TO BE BUILT W/THIS PROJECT
PER COA STD DWG #2430
- F 4" SIDEWALK TO BE BUILT W/THIS PROJECT
PER COA STD DWG #2430
- G 6" SIDEWALK TO BE DEFERRED
PER COA STD DWG #2430
- H 4" SIDEWALK TO BE DEFERRED
PER COA STD DWG #2430
- I UNIDIRECTIONAL HANDICAP RAMP SEE DETAIL THIS SHEET
- J 4" VALLEY GUTTER PER C.O.A. STD DWG #2420

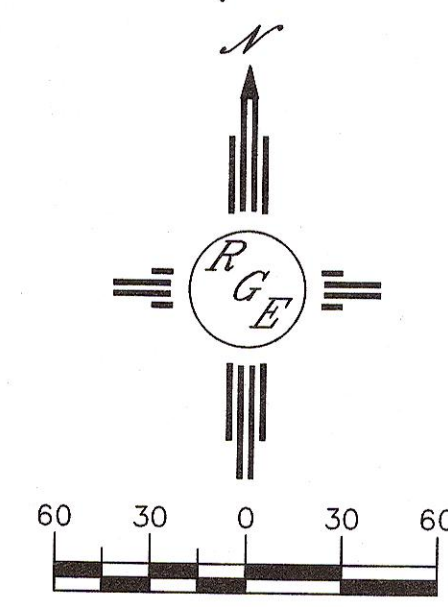
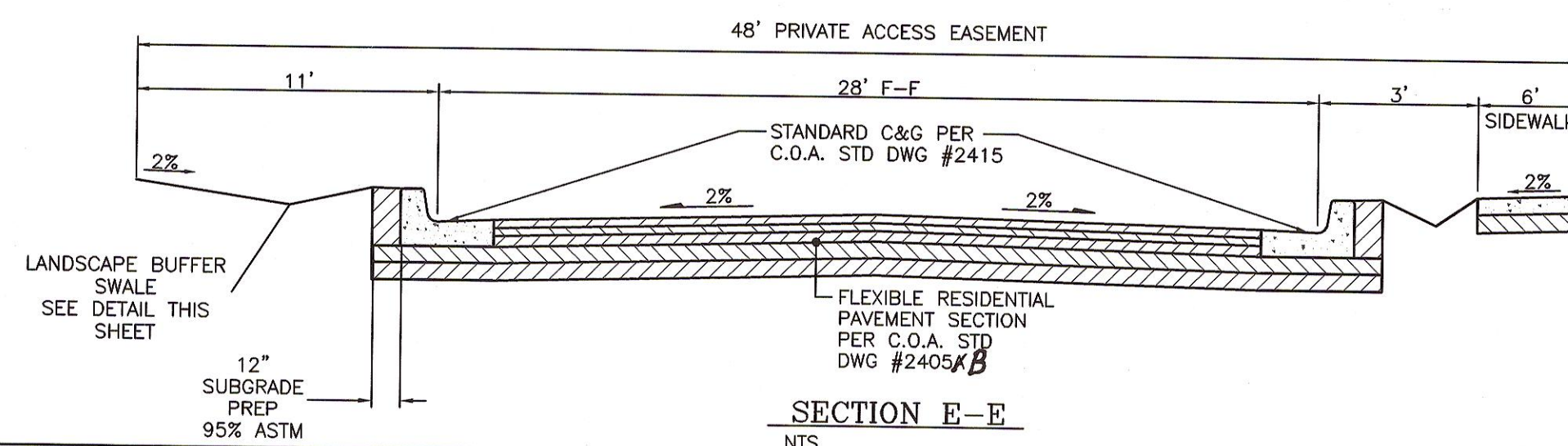


PAVING NOTE

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 +4%, ASTM D698
FOR SOIL. W/3% 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
ACCOMMODATING THE EXISTING R-VALUE PER
C.O.A. STANDARD SPECIFICATIONS.

GENERAL NOTES:

1. ALL WALL FOUNDATIONS/TOE MUST BE OUTSIDE COA ROW.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF ALL ROADWAY SIGNS UNTIL FINAL ACCEPTANCE.
3. ALL SIDEWALKS THAT ARE NEXT TO AND PARALLEL TO SCREEN WALLS SHALL BE OFFSET 1' FROM OUTSIDE FACE OF WALL.

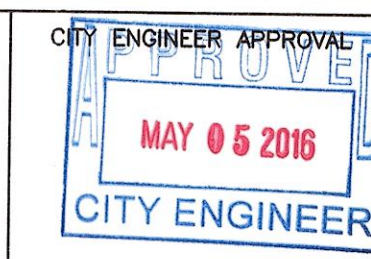


Rio Grande Engineering
1606 CENTRAL AVENUE SE
SUITE 201
ALBUQUERQUE, NM 87106
(505) 872-0999

CITY OF ALBUQUERQUE
PUBLIC WORKS DIVISION
ENGINEERING GROUP

SUNSET VILLA
MASTER PAVING PLAN

TITLE:



CITY PROJECT NO.

764882

ZONE MAP NO.

K-12-Z

SHEET	OF
-------	----

7

[illegible]

KEYED NOTE:

- A 6" VALLEY GUTTER PER C.O.A. STD DWG #2420
- B STANDARD C&G PER COA STD DWG #2415A
- C MOUNTABLE ROLL C&G PER COA STD DWG #2415A
- D HANDICAP RAMP SEE DETAIL SHEET 7
- E 6" SIDEWALK TO BE BUILT W/THIS PROJECT
PER COA STD DWG #2430
- F 4" SIDEWALK TO BE BUILT W/THIS PROJECT
PER COA STD DWG #2430
- G 6" SIDEWALK TO BE DEFERRED
PER COA STD DWG #2430
- H 4" SIDEWALK TO BE DEFERRED
PER COA STD DWG #2430
- I UNIDIRECTIONAL HANDICAP RAMP SEE DETAIL SHEET
- J MEDIAN C&G PER COA STD DWG #2415A
- K DOUBLE 4" SOLID WHITE STRIPE

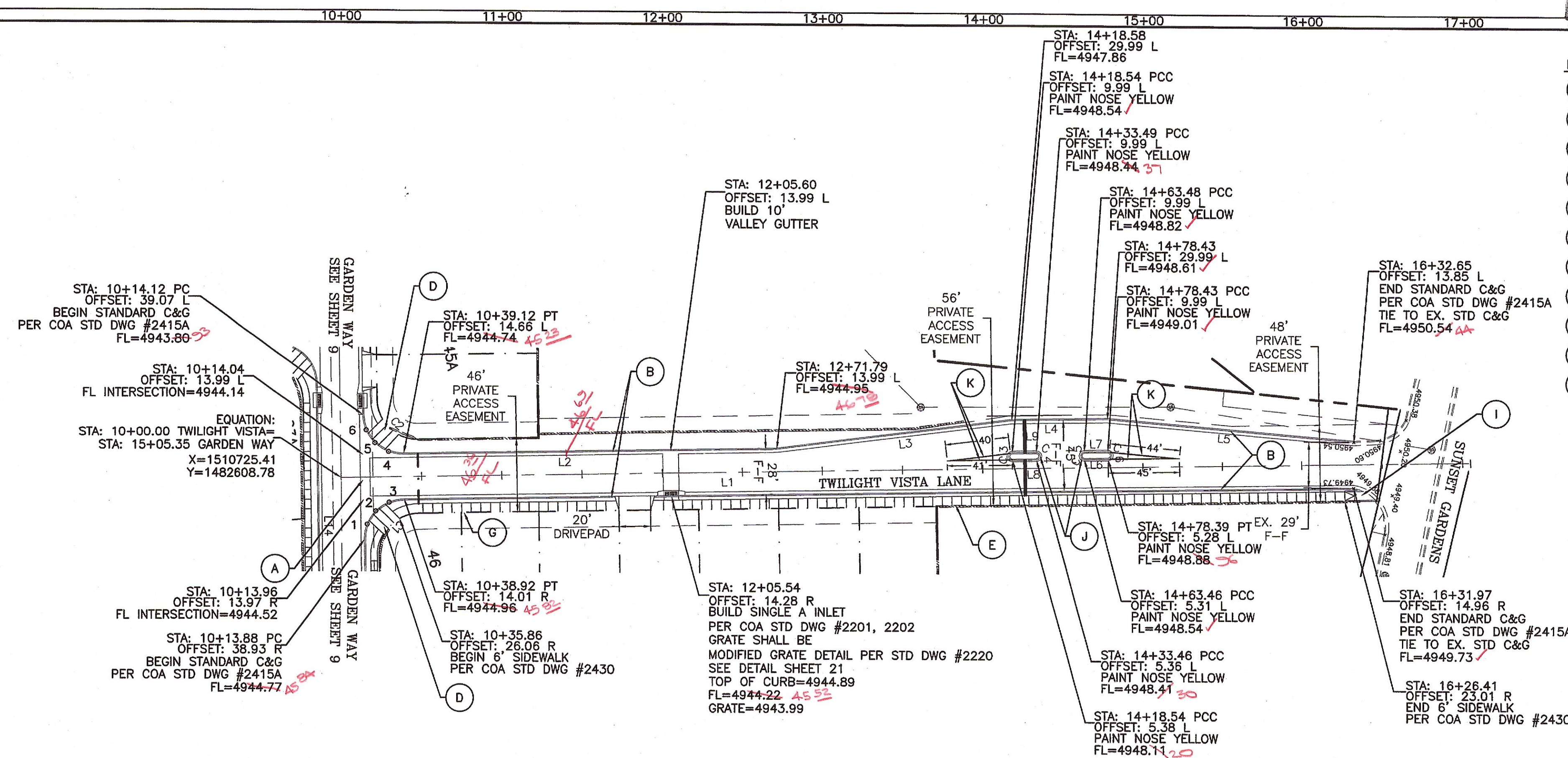
LINE	LENGTH	BEARING
L1	593.06	N09°04'08"E
L2	232.66	N08°58'36"E
L3	147.66	N02°45'22"E
L4	59.85	N08°58'36"E
L5	155.07	N14°57'02"E
L6	14.93	N09°04'08"E
L7	14.94	N08°58'36"E
L8	14.93	N09°04'08"E
L9	14.94	N08°58'36"E

QUARTER POINTS

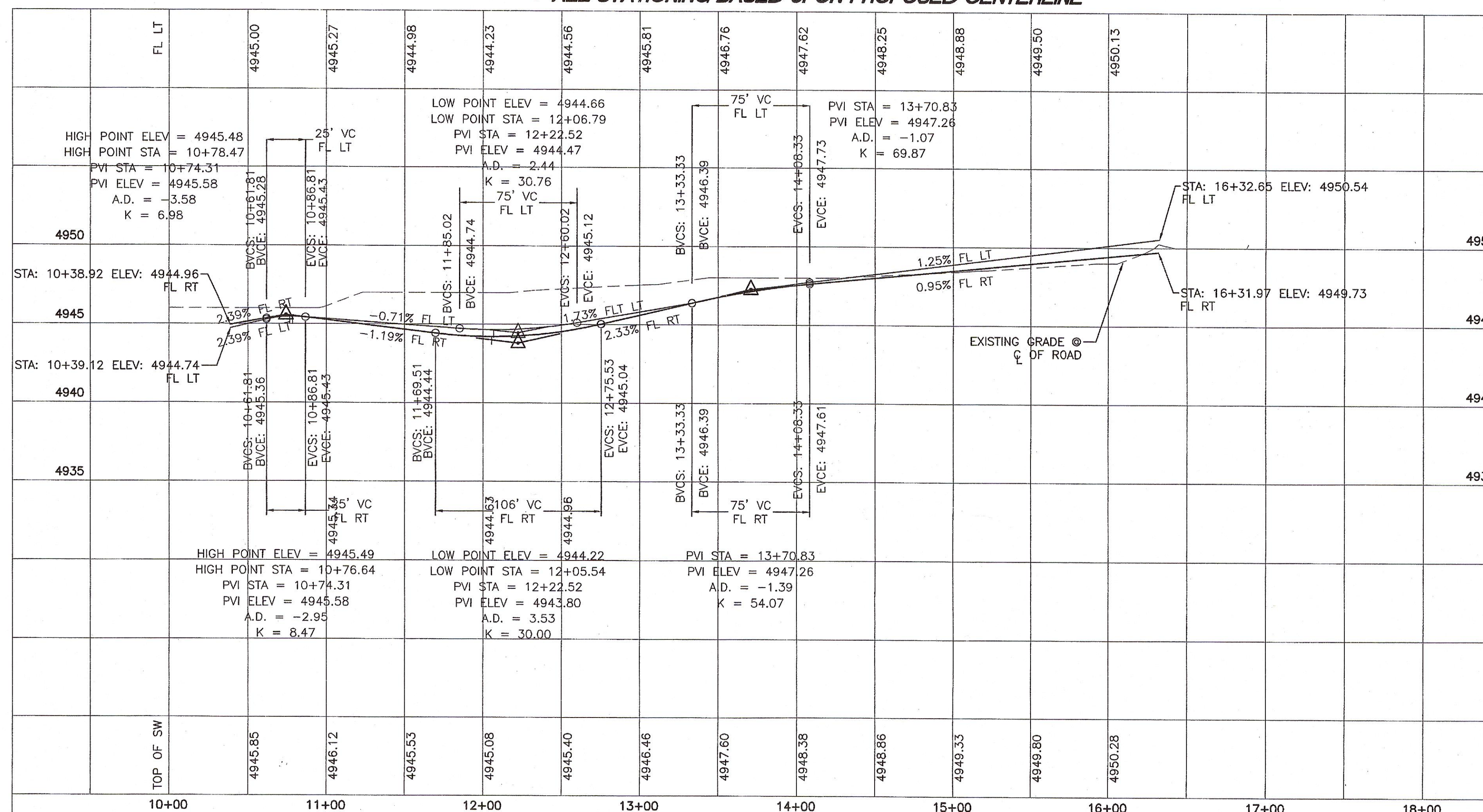
C1	#	STATION	ELEV.	C2	#	STATION	ELEV.
	1	10+15.81	4944.78		4	10+29.54	4944.02
	2	10+21.24	4944.84		5	10+21.42	4944.26
	3	10+29.36	4944.90		6	10+16.00	4944.18

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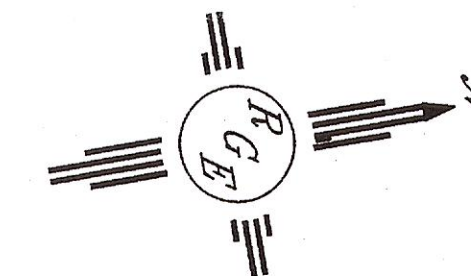
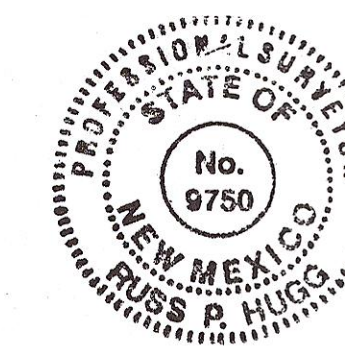
TWILIGHT VISTA LANE
STA: 10+00.00 TO 17+04.84
***-ALL STATIONING BASED UPON PROPOSED CENTERLINE**



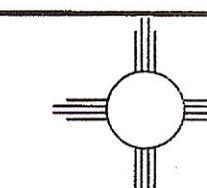
SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
4/2A, 2017



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



Rio Grande Engineering
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ALBUQUERQUE, NM 87105
(505) 872-0999

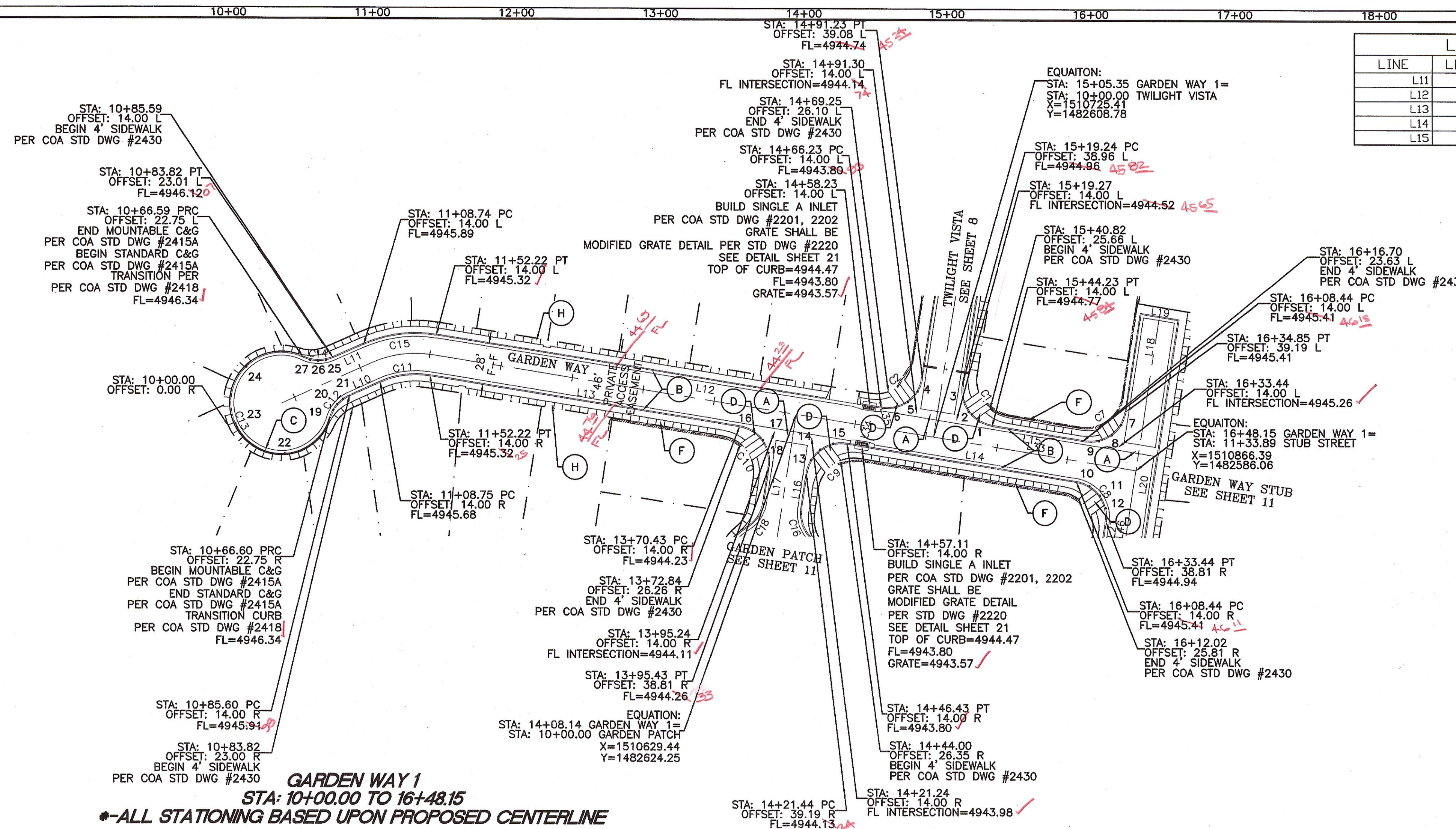
CITY OF ALBUQUERQUE
PUBLIC WORKS DIVISION
ENGINEERING GROUP

TITLE: **SUNSET VILLA**
TWILIGHT VISTA LANE PAVING IMPROVEMENTS

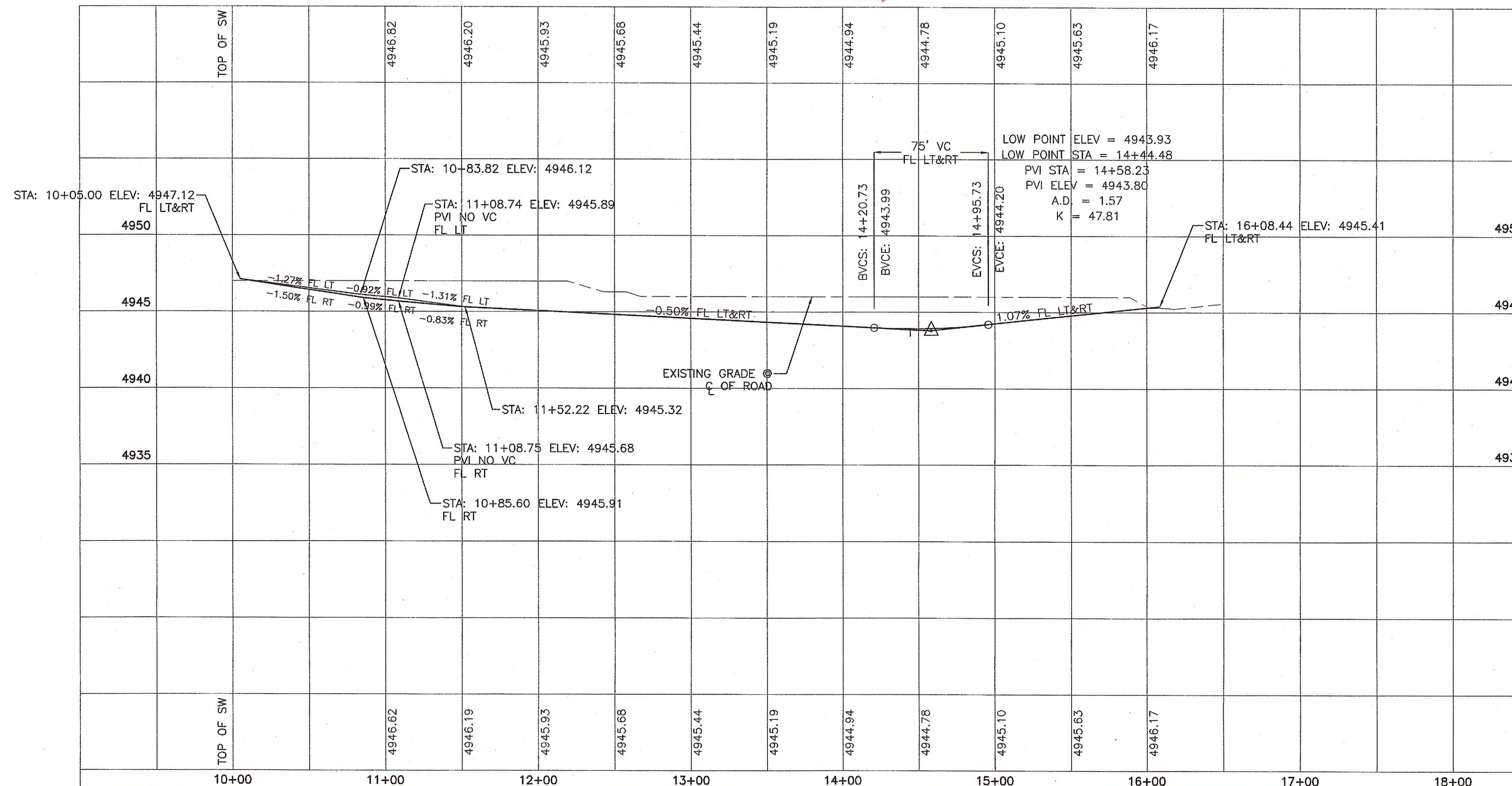


CITY PROJECT NO.	764882	ZONE MAP NO.	K-12-Z	SHEET	8	OF	25
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RECORD DRAWINGS



GARDEN WAY 1
STA: 10+00.00 TO 16+48.15
***-ALL STATIONING BASED UPON PROPOSED CENTERLINE**



LINE TABLE		
LINE	LENGTH	BEARING
L11	23.15	S65°56'09"W
L12	314.01	N80°50'36"W
L13	218.21	S80°50'36"E
L14	162.00	S80°50'36"E
L15	65.61	N80°50'36"W

CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	CHORD DIRECTION
C1	39.23	25.00	89°54'44"	S35°53'14"E
C7	39.46	25.00	90°26'00"	N53°56'24"E
C8	39.08	25.00	89°34'00"	N36°03'36"W
C9	39.46	25.00	90°26'00"	S53°56'24"W
C10	39.08	25.00	89°34'00"	N36°03'36"W
C11	35.37	61.00	33°13'15"	S82°32'47"W
C12	21.58	25.00	49°27'30"	S41°12'24"W
C13	170.38	35.00	78°55'00"	S24°03'51"E
C14	21.58	25.00	49°27'30"	S89°20'06"E
C15	51.60	89.00	33°13'15"	S82°32'47"W

QUARTER POINTS			
C1	STATION	ELEV.	
1	15+34.68	4944.78	
2	15+26.57	4944.84	
3	15+21.15	4944.90	
C2	STATION	ELEV.	
4	14+89.35	4944.18	
5	14+83.94	4944.26	
6	14+75.82	4944.02	
C7	STATION	ELEV.	
7	16+33.00	4945.41	
8	16+27.59	4945.41	
9	16+19.46	4945.41	
C8	STATION	ELEV.	
10	16+18.03	4945.29	
11	16+16.17	4945.17	
12	16+13.59	4944.88	
C9	STATION	ELEV.	
13	14+23.28	4944.05	
14	14+28.69	4943.97	
15	14+36.82	4943.89	
C10	STATION	ELEV.	
16	13+79.96	4944.20	
17	13+88.04	4944.20	
18	13+93.47	4944.20	
C12	STATION	ELEV.	
19	10+70.52	4946.23	
20	10+75.14	4946.12	
21	10+80.24	4946.01	
C13	STATION	ELEV.	
22	10+27.87	4946.77	
23	10+05.00	4947.19	
24	10+27.87	4946.77	
C14	STATION	ELEV.	
25	10+80.24	4946.14	
26	10+75.13	4946.22	
27	10+70.51	4946.28	

SURVEYORS CERTIFICATION

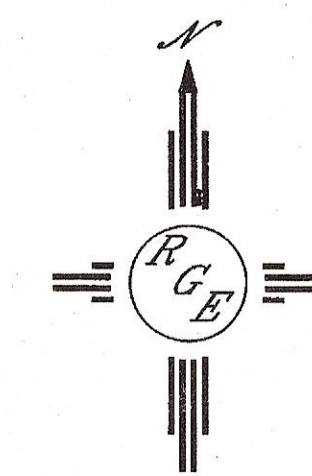
I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
 NMPS No. 9750
 4/2A, 2017

KEYED NOTE:

- (A) 6" VALLEY GUTTER PER C.O.A. STD DWG #2420
- (B) STANDARD C&G PER COA STD DWG #2415A
- (C) MOUNTABLE ROLL C&G PER COA STD DWG #2415A
- (D) HANDICAP RAMP SEE DETAIL SHEET 7
- (E) 6" SIDEWALK TO BE BUILT W/THIS PROJECT PER COA STD DWG #2430
- (F) 4" SIDEWALK TO BE BUILT W/THIS PROJECT PER COA STD DWG #2430
- (G) 8" SIDEWALK TO BE DEFERRED PER COA STD DWG #2430
- (H) 4" SIDEWALK TO BE DEFERRED PER COA STD DWG #2430

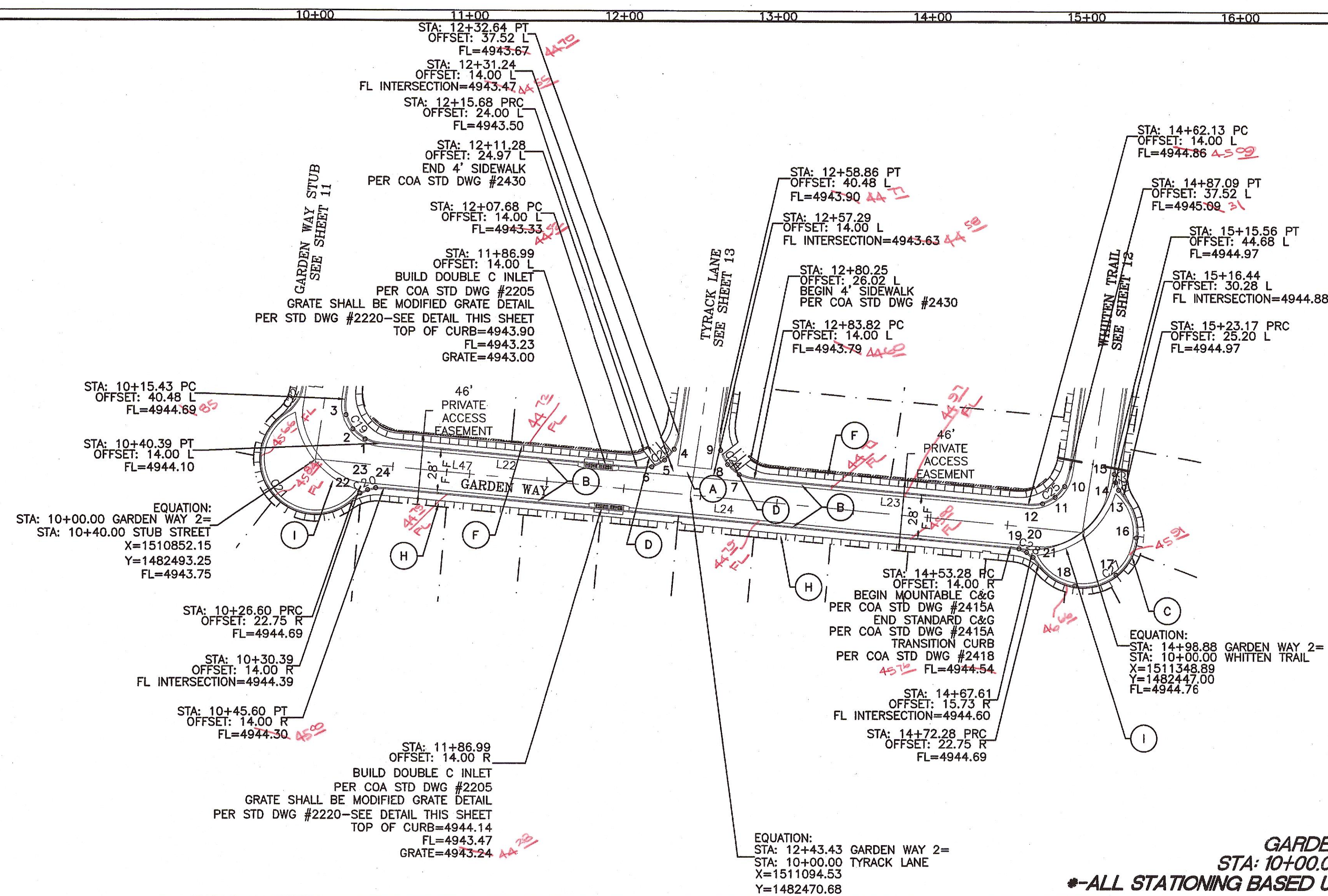
SCALE: HORIZ. 1"=50'
 VERT. 1"= 5'



 CITY OF ALBUQUERQUE PUBLIC WORKS DIVISION ENGINEERING GROUP	
TITLE: SUNSET VILLA GARDEN WAY PAVING IMPROVEMENTS 1	
DESIGN REVIEW COMMITTEE DESIGN REVIEW COMMITTEE	CITY ENGINEER-APPROVAL CITY ENGINEER
CITY PROJECT NO. 764882	ZONE MAP NO. K-12-Z
SHEET 9 OF 25	MO./DAY/YR.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE
INSPECTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE
APPROVED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE
APPROVED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE
APPROVED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE
APPROVED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE

RECORD DRAWINGS



KEYED NOTE:

- (A) 6' VALLEY GUTTER PER C.O.A. STD DWG #2420
- (B) STANDARD C&G PER COA STD DWG #2415A
- (C) MOUNTABLE ROLL C&G PER COA STD DWG #2415A
- (D) HANDICAP RAMP SEE DETAIL SHEET 7
- (E) 6' SIDEWALK TO BE BUILT W/THIS PROJECT
PER COA STD DWG #2430
- (F) 4' SIDEWALK TO BE BUILT W/THIS PROJECT
PER COA STD DWG #2430
- (G) 6' SIDEWALK TO BE DEFERRED
PER COA STD DWG #2430
- (H) 4' SIDEWALK TO BE DEFERRED
PER COA STD DWG #2430
- (I) 4' VALLEY GUTTER PER C.O.A. STD DWG #2421

QUARTER POINTS

C19	#	STATION	ELEV.
	1	10+30.48	4944.24
	2	10+22.19	4944.39
	3	10+16.89	4944.54
C23	#	STATION	ELEV.
	4	12+30.33	4943.58
	5	12+24.93	4943.49
	6	12+16.81	4943.40
C24	#	STATION	ELEV.
	7	12+73.91	4943.81
	8	12+65.62	4943.84
	9	12+60.32	4943.87
C25	#	STATION	ELEV.
	10	14+84.78	4945.03
	11	14+79.28	4944.97
	12	14+71.35	4944.91
C27	#	STATION	ELEV.
	16	15+33.88	4945.12
	17	15+22.88	4945.40
	18	14+97.00	4944.91
C28	#	STATION	ELEV.
	19	14+58.64	4944.57
	20	14+63.74	4944.61
	21	14+68.36	4944.65
C20	#	STATION	ELEV.
	22	10+30.52	4943.61
	23	10+35.14	4943.57
	24	10+40.24	4943.53

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	CHORD DIRECTION
C19	40.76	25.00	93°24'14"	S37°58'43"E
C20	21.58	25.00	49°27'30"	S70°35'25"W
C23	37.78	25.00	86°35'46"	N52°01'17"E
C24	40.76	25.00	93°24'14"	S37°58'43"E
C25	37.78	25.00	86°35'46"	N52°01'17"E
C26	21.58	25.00	49°27'30"	S16°00'21"E
C27	113.32	25.00	85°30'46"	N52°01'17"E
C28	21.58	25.00	49°27'30"	N59°57'05"W

LINE TABLE

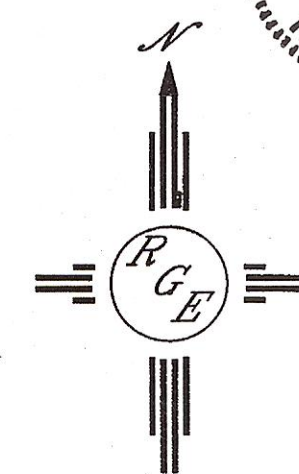
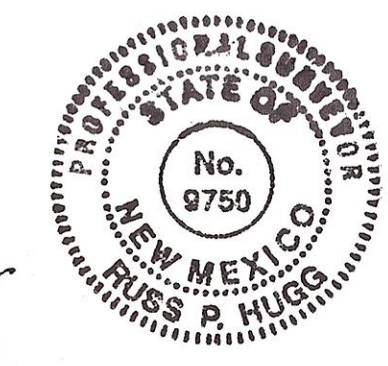
LINE	LENGTH	BEARING
L22	167.30	N84°40'50"W
L23	178.31	N84°40'50"W
L24	407.69	N84°40'50"W

GARDEN WAY 2
STA: 10+00.00 TO 15+38.88
*-ALL STATIONING BASED UPON PROPOSED CENTERLINE

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
4/24, 2017



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

Rio Grande Engineering
1606 CENTRAL AVENUE SE
SUITE 201
ALBUQUERQUE, NM 87106
(505) 872-0999

CITY OF ALBUQUERQUE
PUBLIC WORKS DIVISION
ENGINEERING GROUP

TITLE: **SUNSET VILLA**
GARDEN WAY PAVING IMPROVEMENTS 2

DESIGN REVIEW COMMITTEE

APPROVED

MAY 03 2016

DESIGN
REVIEW COMMITTEE

CITY ENGINEER APPROVAL
APPROVED
MAY 05 2016
CITY ENGINEER

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
764882	K-12-7	10	25

CONTRACTOR <u>SALLS INC.</u>	
WORK <u>SURV-TICK</u>	DATE <u>11/16</u>
STAKED BY <u>INSPECTOR'S OFFICE</u>	DATE <u>5/17</u>
ACCEPTANCE BY <u>ENR 16</u>	DATE <u>5/17</u>
REVISION BY <u>XXX</u>	DATE <u>5/17</u>
DRAWINGS <u>REVISED</u>	DATE <u>5/17</u>
CORRECTED BY <u>TEC</u>	DATE <u>5/17</u>
<u>MICRO-FILM INFORMATION</u>	
RECORDED BY	DATE
NO.	

BENCH MARKS

NK 45-4A 1983
NAD 83 Position
Datum: NAD 83
Elevation: New Idaho State Flare
Zone: Central
Latitude: 55 - 4 - 4 23256
Longitude: 105 - 42 - 4 42118
UT Zone: 12S and 12E
UT Easting: 1492269
UT Northing: 5054155
EAD 15055 Elevation
Datum: NAD 1983
Orthometric Height: 45.0m, 1540
50055.5m

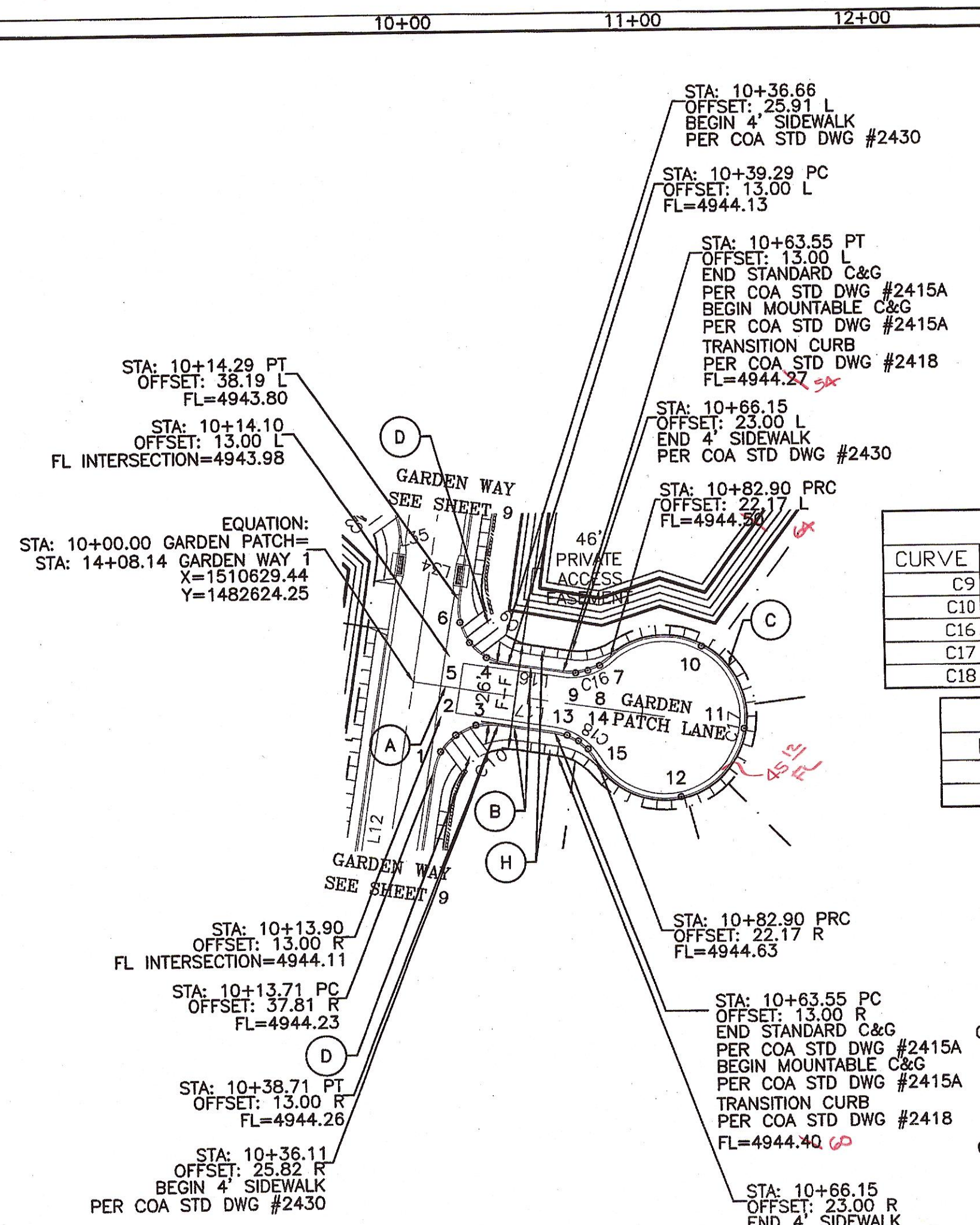
[illegible]

DAVID SOULE
NEW MEXICO
14522
REGISTERED PROFESSIONAL ENGINEER
3/15/74

[illegible]

NTS 2	
MO./DAY/YR.	MO./DAY/YR.
SHEET	OF
10	25

RECORD DRAWINGS



CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	CHORD DIRECTION
C9	39.46	25.00	90°26'00"	S53°56'24"W
C10	39.08	25.00	89°34'00"	N36°03'36"W
C16	22.12	25.00	50°42'13"	S16°37'42"E
C17	17.90	35.00	81°24'25"	S81°16'36"E
C18	22.12	25.00	50°42'13"	N34°04'30"E

LINE TABLE		
LINE	LENGTH	BEARING
L16	24.26	S08°43'24"W
L17	24.84	S08°43'24"W

QUARTER POINTS

C9	#	STATION	ELEV.
	4	14+23.28	4944.05
	5	14+28.69	4943.97
	6	14+36.82	4943.89

C10	#	STATION	ELEV.
	1	13+79.96	4944.20
	2	13+88.04	4944.20
	3	13+93.47	4944.20

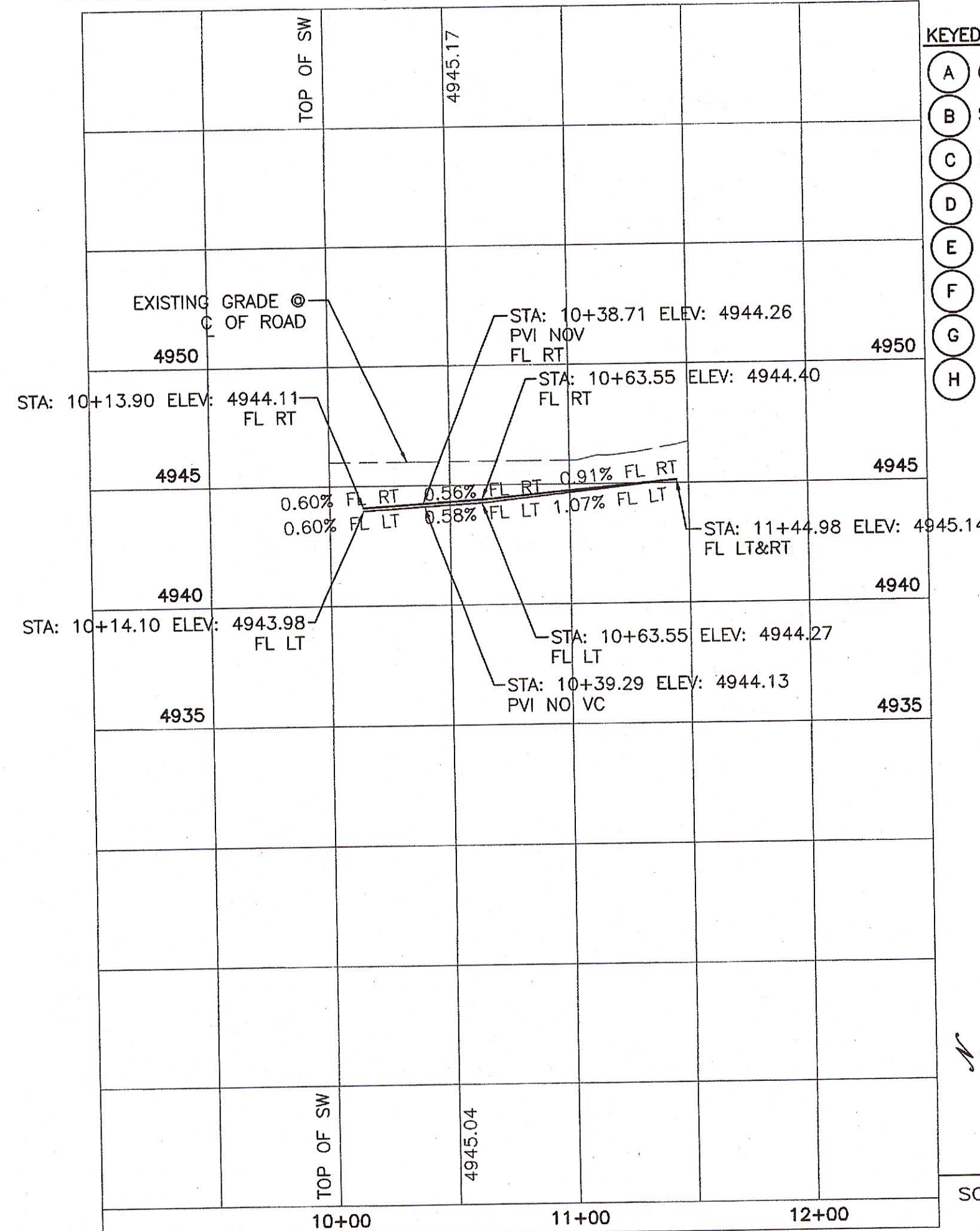
C16	#	STATION	ELEV.
	7	10+78.95	4944.44
	8	10+74.25	4944.38
	9	10+69.04	4944.32

C17	#	STATION	ELEV.
	10	11+21.75	4944.82
	11	11+44.98	4945.14
	12	11+21.75	4944.88

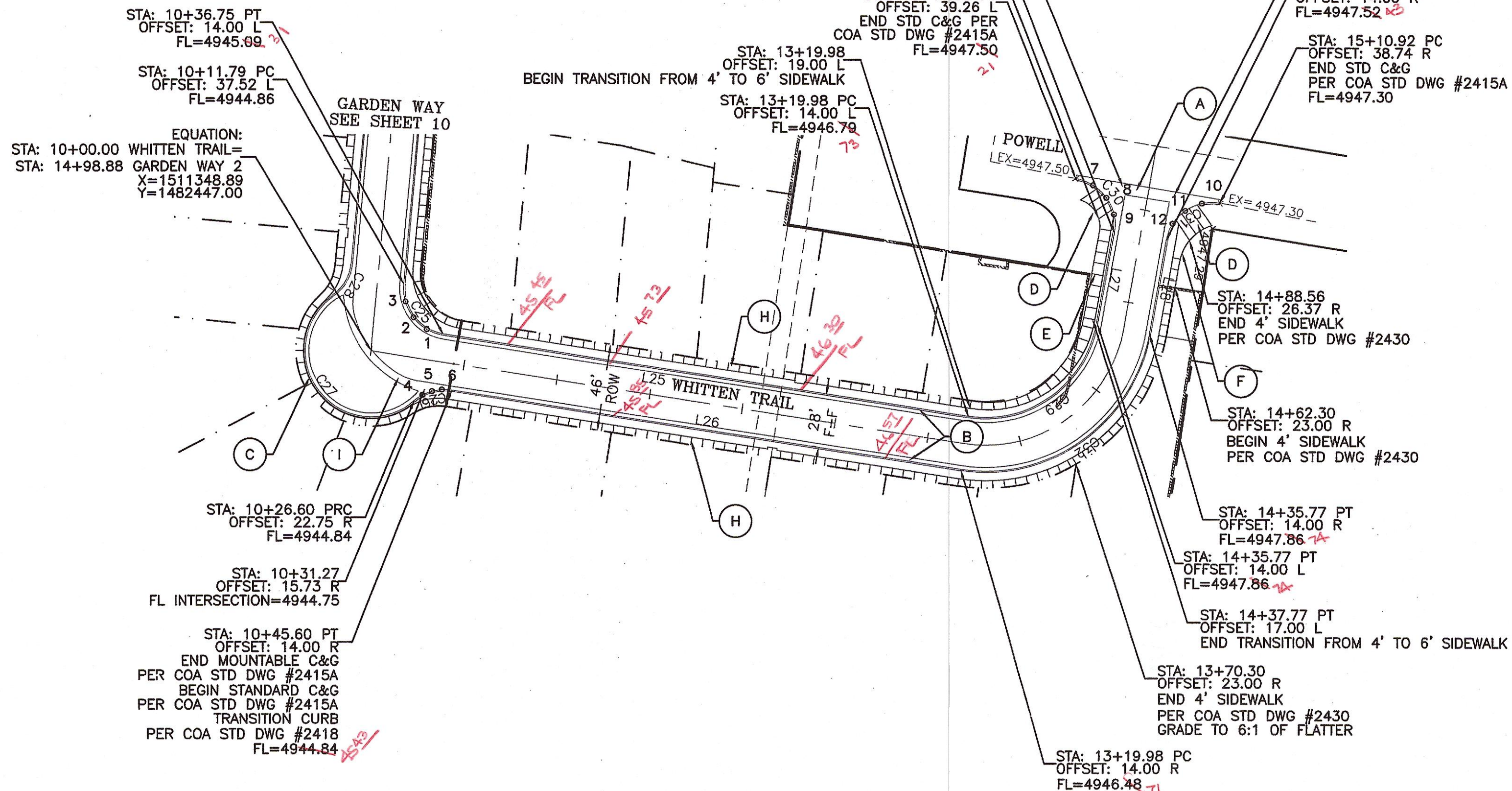
C18	#	STATION	ELEV.
	13	10+69.04	4944.45
	14	10+74.25	4944.51
	15	10+78.95	4944.57

GARDEN PATCH LANE
STA: 10+00.00 TO 11+49.48

*-ALL STATIONING BASED UPON PROPOSED CENTERLINE



RECORD DRAWINGS

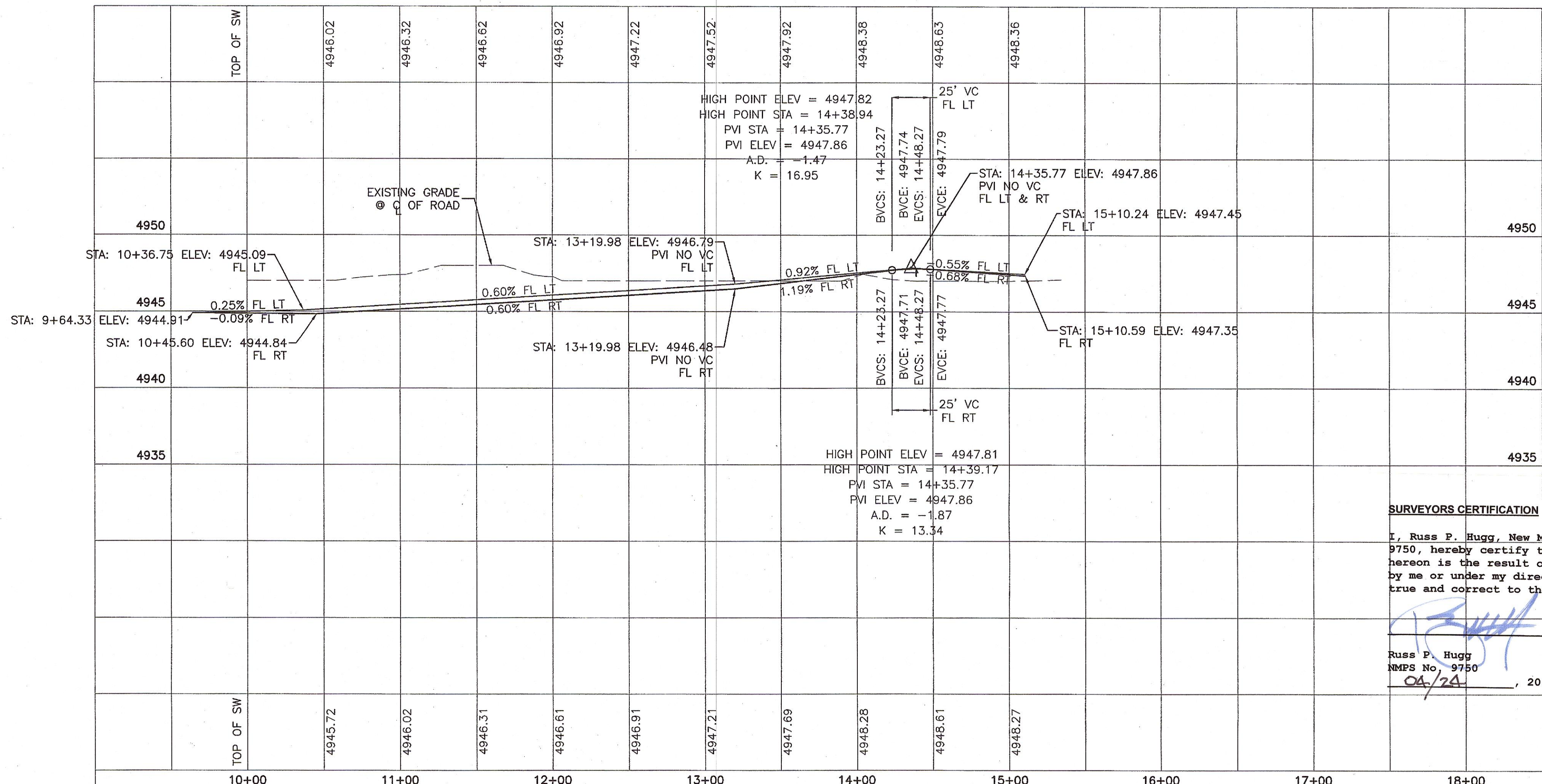


CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	CHORD DIRECTION
C25	37.78	25.00	86°35'46"	N52°01'17"E
C26	21.58	25.00	49°27'30"	S16°00'21"E
C29	94.18	61.00	88°27'41"	N35°30'26"W
C30	39.53	25.00	90°35'45"	S54°57'51"W
C31	39.01	25.00	89°24'15"	S35°02'09"E
C32	137.41	89.00	88°27'41"	N35°30'26"W

LINE TABLE		
LINE	LENGTH	BEARING
L25	283.23	N08°43'24"
L26	274.38	S08°43'24"
L27	49.33	N79°44'17"
L28	50.14	S79°44'17"

QUARTER POINTS			
C25	#	STATION	ELEV.
	1	10+27.53	4945.03
	2	10+19.60	4944.97
	3	10+14.10	4944.91
C26	#	STATION	ELEV.
	4	10+30.52	4944.84
	5	10+35.14	4944.84
	6	10+40.24	4944.84
C30	#	STATION	ELEV.
	7	15+08.28	4947.53
	8	15+02.88	4947.56
	9	14+94.73	4947.59
C31	#	STATION	ELEV.
	10	15+08.94	4947.34
	11	15+03.50	4947.40
	12	14+95.42	4947.46

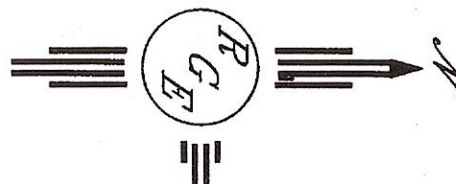
WHITTEN TRAIL
STA: 10+00.00 TO 15+34.48
*-ALL STATIONING BASED UPON PROPOSED CENTERLINE



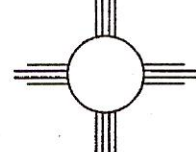
- (A) 4' VALLEY GUTTER PER C.O.A. STD DWG #2420
- (B) STANDARD C&G PER COA STD DWG #2415A
- (C) MOUNTABLE ROLL C&G PER COA STD DWG #2415A
- (D) HANDICAP RAMP SEE DETAIL SHEET 7
- (E) 6' SIDEWALK TO BE BUILT W/THIS PROJECT
PER COA STD DWG #2430
- (F) 4' SIDEWALK TO BE BUILT W/THIS PROJECT
PER COA STD DWG #2430
- (G) 6' SIDEWALK TO BE DEFERRED
PER COA STD DWG #2430
- (H) 4' SIDEWALK TO BE DEFERRED
PER COA STD DWG #2430
- (I) 4' VALLEY GUTTER PER C.O.A. STD DWG #2421

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
04/24, 201



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



Rio Grande Engineering
1606 CENTRAL AVENUE SE
SUITE 201
ALBUQUERQUE, NM 87106
(505) 872-0999

CITY OF ALBUQUERQUE
PUBLIC WORKS DIVISION
ENGINEERING GROUP

TITLE: **SUNSET VILLA**
WHITTEN TRAIL PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE

APPROVED

MAY 03 2016

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

APPROVED

MAY 05 2016

CITY ENGINEER

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
764882	K-12-7	12	25

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

BENCH MARKS

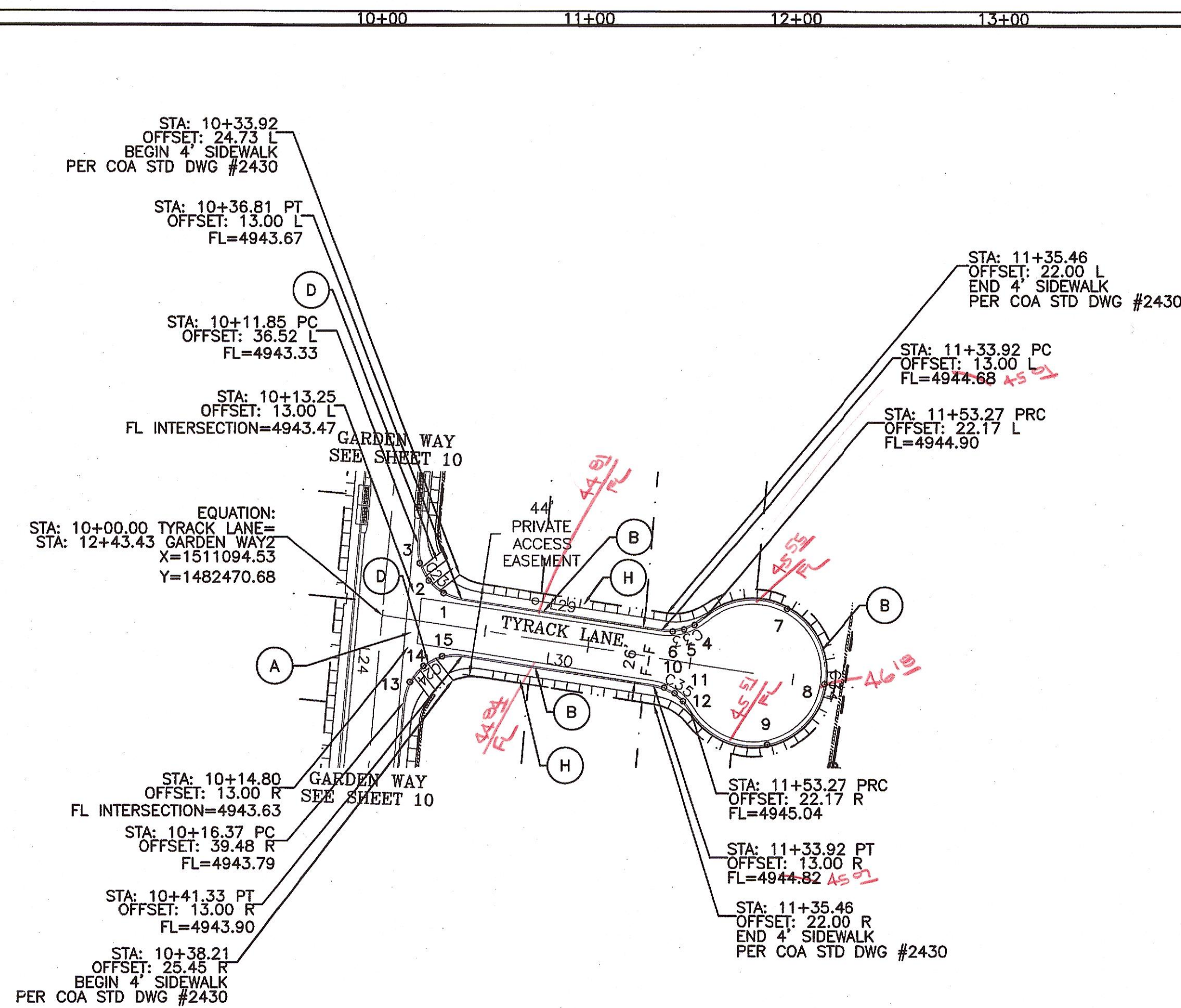
NM 45-4A 1983*,
NAD 83 Position
Elevation: 161.03
City: Central
County: Garfield
State: Idaho
Country: United States
Easting: 105,000
Northing: 15,054,115
Zone: 18
Datum: NAD 83
Datum: NAD 1983
Datum: NAD 1983

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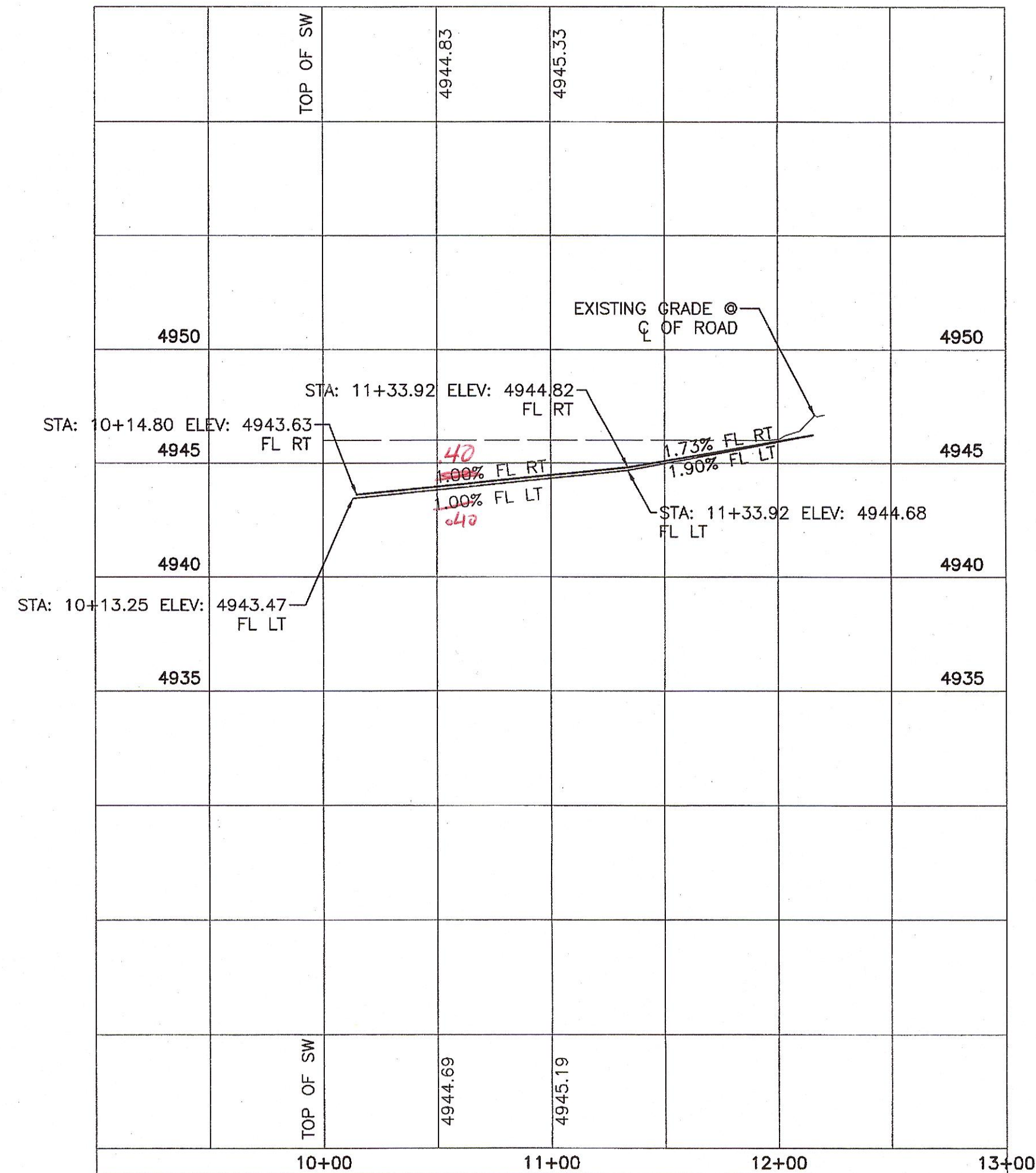
MO./DAY/YR.		MO./DAY/YR.	

SHEET 12 OF 25

RECORD DRAWINGS



TYRACK LANE
STA: 10+00.00 TO 12+20.36
*-ALL STATIONING BASED UPON PROPOSED CENTERLINE

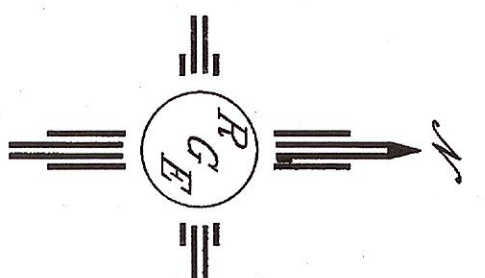


CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	CHORD DIRECTION
C23	37.78	25.00	86°35'46"	N52°01'17"E
C24	40.76	25.00	93°24'14"	S37°58'43"E
C33	22.12	25.00	50°42'13"	N16°37'42"W
C34	171.90	35.00	281°24'25"	N81°16'36"W
C35	22.12	25.00	50°42'13"	S34°04'30"W

LINE TABLE		
LINE	LENGTH	BEARING
L29	97.12	S08°43'24"W
L30	92.59	N08°43'24"E

QUARTER POINTS			
C23	#	STATION	ELEV.
	1	10+27.56	4943.58
2	10+19.68	4943.49	
	3	10+14.04	4943.40
C33	#	STATION	ELEV.
	4	11+49.33	4944.84
5	11+44.63	4944.78	
	6	11+39.41	4944.72
C34	#	STATION	ELEV.
	7	11+92.13	4945.57
8	12+15.36	4946.23	
	9	11+92.13	4945.64
C35	#	STATION	ELEV.
	10	11+39.40	4944.86
11	11+44.57	4944.92	
	12	11+49.12	4944.98
C24	#	STATION	ELEV.
	13	10+17.83	4943.81
14	10+23.13	4943.84	
	15	10+31.42	4943.87

- KEYED NOTE:
- A 6' VALLEY GUTTER PER C.O.A. STD DWG #2420
 - B STANDARD C&G PER COA STD DWG #2415A
 - C MOUNTABLE ROLL C&G PER COA STD DWG #2415A
 - D HANDICAP RAMP SEE DETAIL SHEET 7
 - E 6' SIDEWALK TO BE BUILT W/THIS PROJECT PER COA STD DWG #2430
 - F 4' SIDEWALK TO BE BUILT W/THIS PROJECT PER COA STD DWG #2430
 - G 6' SIDEWALK TO BE DEFERRED PER COA STD DWG #2430
 - H 4' SIDEWALK TO BE DEFERRED PER COA STD DWG #2430

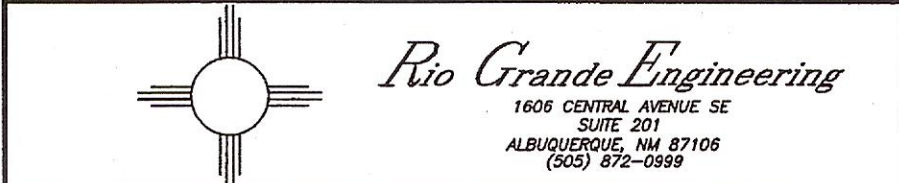


SCALE: HORIZ. 1"=50'
VERT. 1"= 5'

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
4/24, 2017



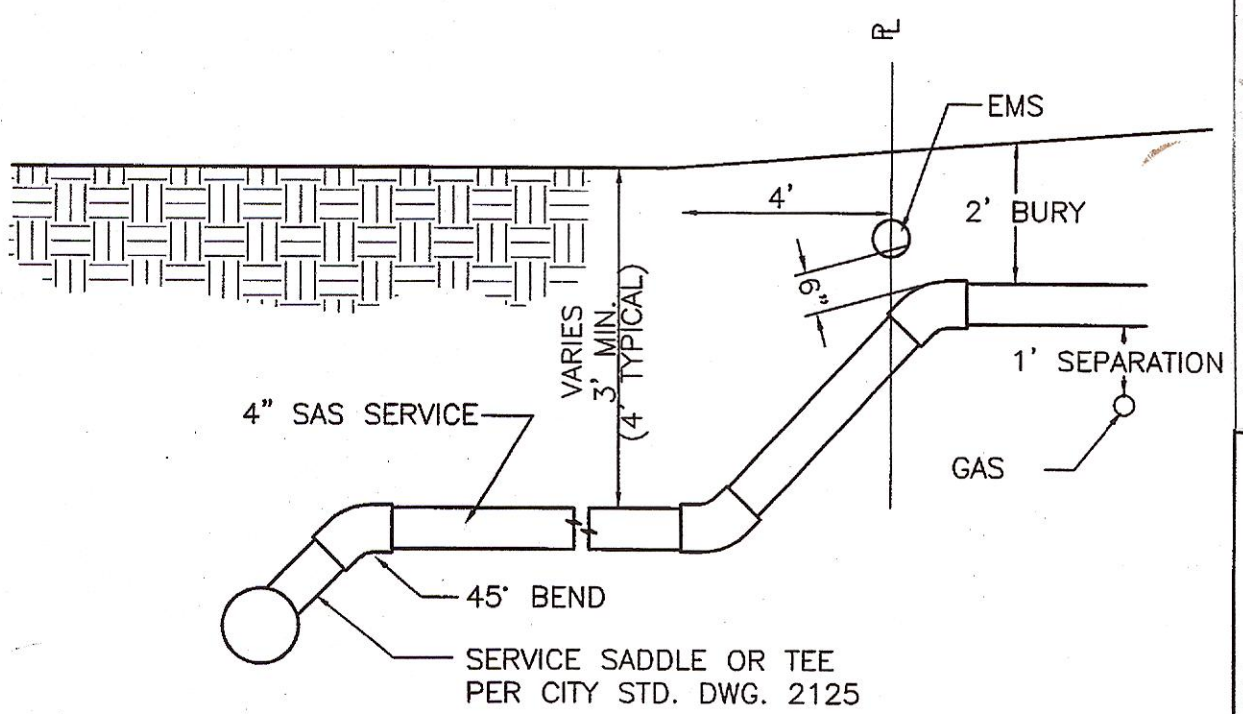
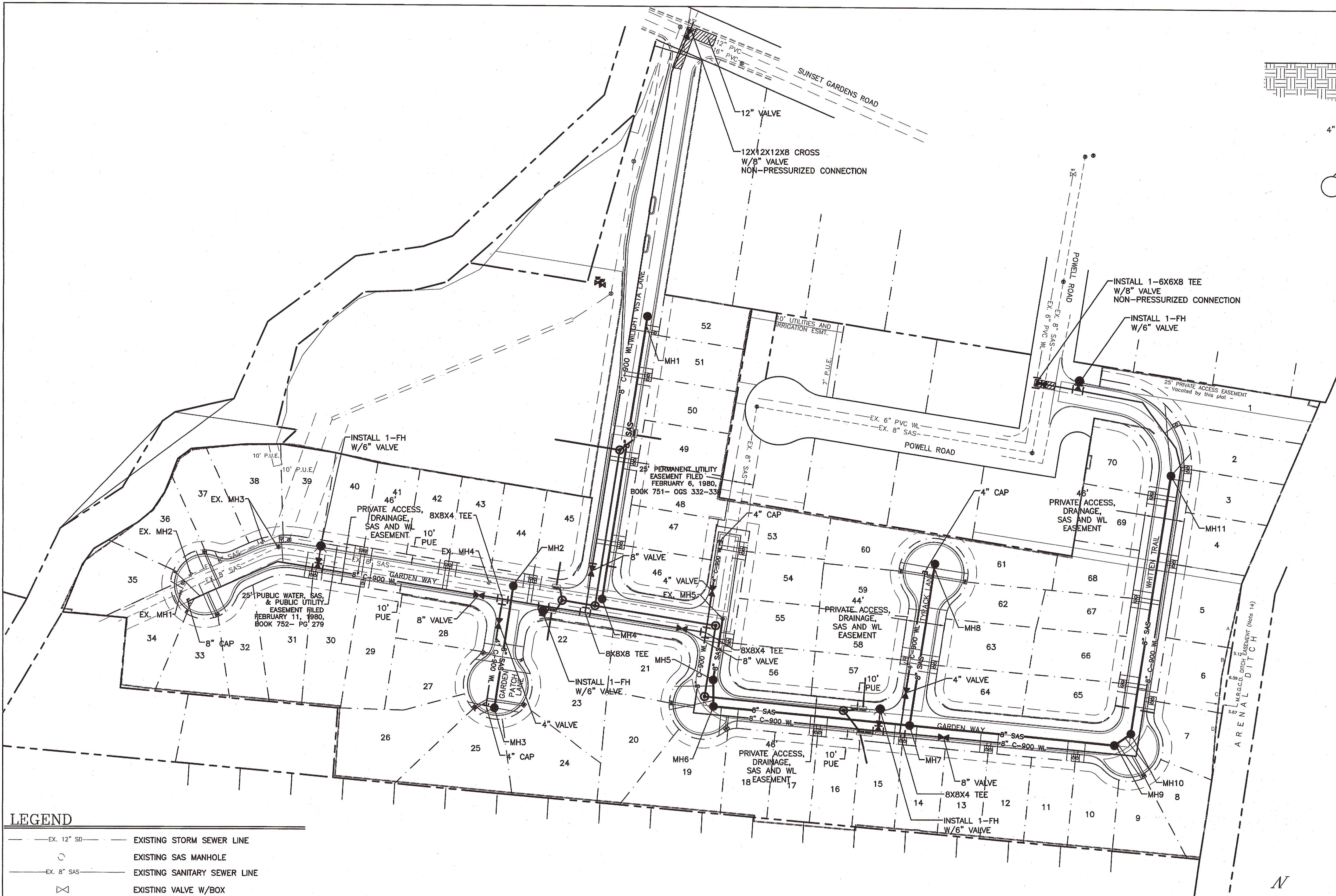
CITY OF ALBUQUERQUE
PUBLIC WORKS DIVISION
ENGINEERING GROUP
TITLE: **SUNSET VILLA**
TYRACK LANE PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAY 03 2016 DESIGN REVIEW COMMITTEE	APPROVED MAY 05 2016 CITY ENGINEER		

CITY PROJECT NO. 764882
ZONE MAP NO. K-12-Z
SHEET 13 OF 25

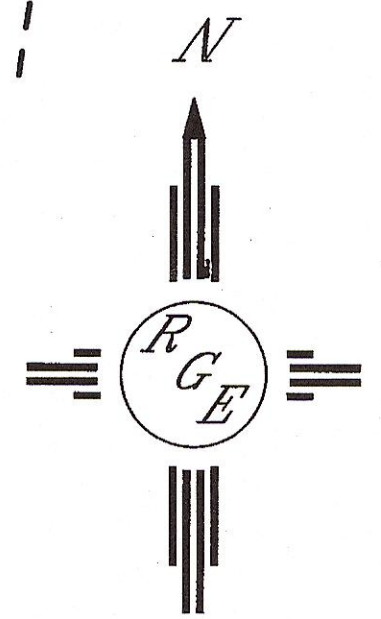
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NAD 83 Position	DATE	NO.	BY	NO.	BY
WORK	DATE	UTM Zone	DATE				
ACCEPTANCE BY	DATE	UTM Zone	DATE				
FIELD	DATE	UTM Zone	DATE				
DRAWINGS	DATE	UTM Zone	DATE				
CORRECTED BY	DATE	UTM Zone	DATE				
MICRO-FILM INFORMATION		REVISIONS		DESIGN		CHECKED BY: DS	
RECORDED BY	DATE	NO.	DATE	DESIGNED BY: WCU	DATE: 3-08-16	DRAWN BY: WCU	DATE: 3-08-16
				DRAWN NAME: 21401-LAYOUT-1-06-13	JOB NO.: 21401	CHECKED BY: DS	DATE: 3-08-16

RECORD DRAWINGS



TYP. SANITARY SYSTEM
SERVICE CONNECTION
NTS

- LEGEND**
- EX. 12" SD — EXISTING STORM SEWER LINE
 - — EXISTING SAS MANHOLE
 - EX. 8" SAS — EXISTING SANITARY SEWER LINE
 - ⊗ — EXISTING VALVE W/BOX
 - EX. 6" WL — EXISTING WATER LINE
 - PROPOSED SD
 - — PROPOSED METER
 - — PROPOSED FIRE HYDRANT
 - - - EXISTING EDGE OF PAVEMENT
 - ==== PROPOSED CURB & GUTTER
 - - - BOUNDARY LINE
 - - - CENTERLINE
 - - - RIGHT-OF-WAY
 - - - LOT LINES
 - - - EASEMENT
 - ⊙ — STREET LIGHTS
 - ▨ — CONTRACTOR SHALL REMOVE AND REPLACE PAVING PER COA STD DWG #2465 (COLLECTOR)



ABCWUA & CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **SUNSET VILLA**
MASTER UTILITY PLAN



CITY PROJECT NO.	764882	ZONE MAP NO.	K-12-Z	SHEET	14	OF	25
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AS BUILT INFORMATION				SURVEY INFORMATION				ENGINEER'S SEAL				REVISIONS			
CONTRACTOR	DATE	BY	DATE	NO.	BY	DATE		NO.	DATE	BY	DATE	NO.	DATE	BY	DATE
WORK	DATE	BY	DATE												
STAKED	DATE	BY	DATE												
FIELD	DATE	BY	DATE												
ACCEPTANCE	DATE	BY	DATE												
DRAWINGS	DATE	BY	DATE												
CORRECTED	DATE	BY	DATE												
MICRO-FILM	DATE	BY	DATE												
RECORDED	DATE	BY	DATE												
NO.															



RECORD DRAWINGS

CAUTION:
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TO ANY EXCAVATION TO DETERMINE THE
ACTUAL LOCATION OF UTILITIES & OTHER
IMPROVEMENTS.

LOT #	STATION	SERVICE
52	13+45.37	SINGLE
50&51	12+95.52	DOUBLE
48&49	11+95.52	DOUBLE
46&47	10+97.32	DOUBLE

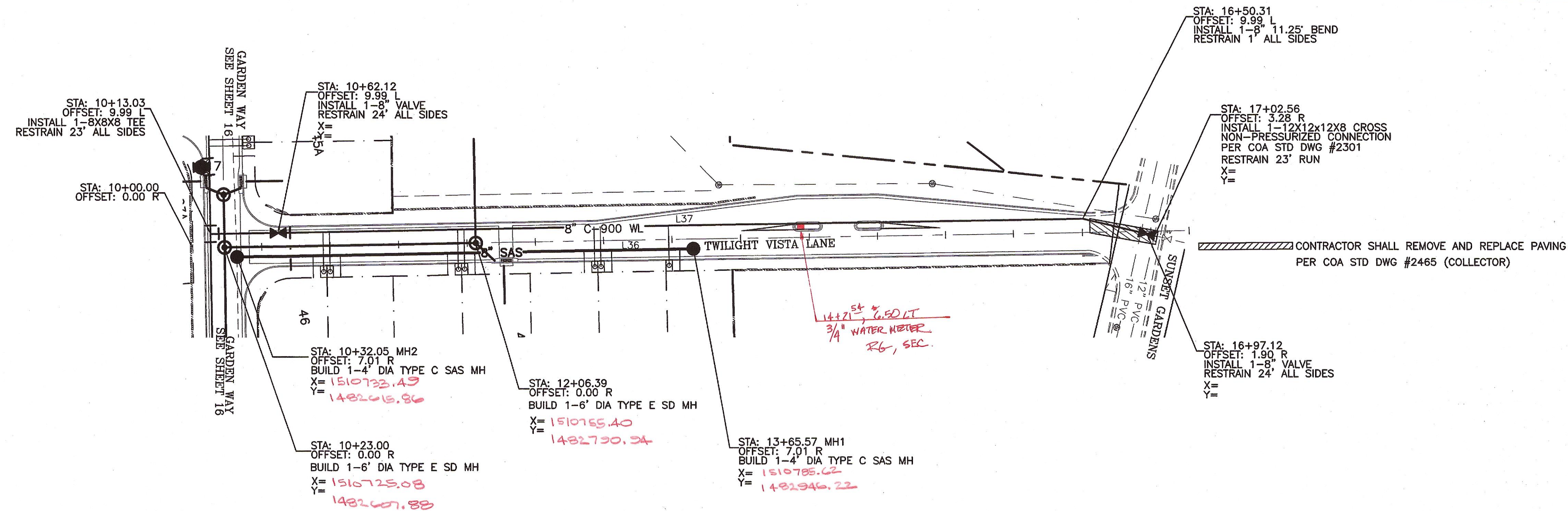
* @ END OF 8" MAIN LINE

SAS TABLE

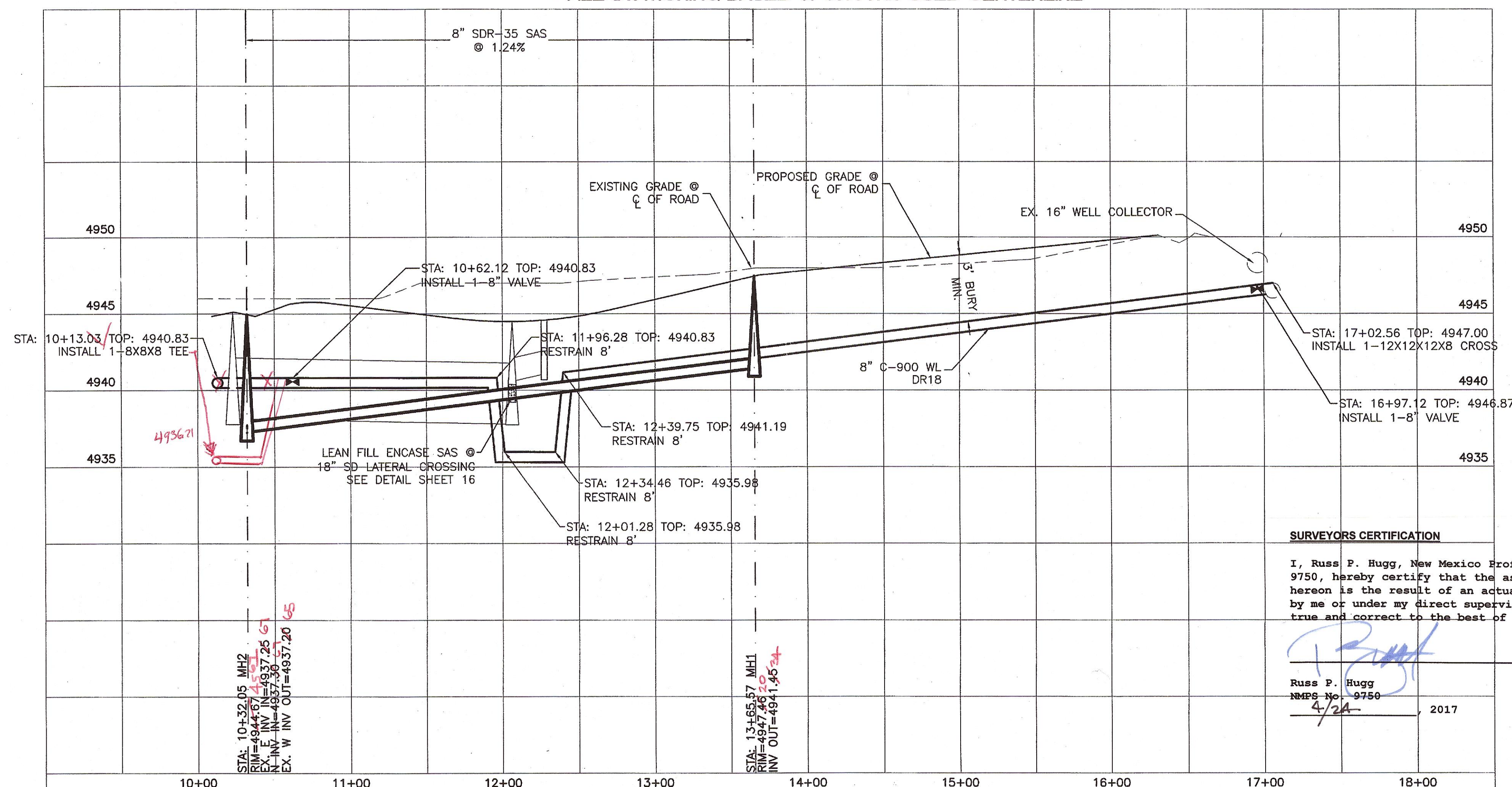
LOT #	STATION*	LF	INV.*	ELEV. @ PL
52	13+55.57	16	4941.22	4941.54
51	13+05.52	16	4940.60	4940.92
50	12+85.52	16	4940.35	4940.67
49	12+05.52	16	4939.36	4939.68
48	11+85.52	16	4939.11	4939.43
47	11+07.32	16	4938.14	4938.46
46	10+87.32	16	4937.89	4938.21

<u>SAS TABLE</u>		
LINE	LENGTH	BEARING
L36	333.52	N08°58'36"E

<u>WL TABLE</u>		
LINE	LENGTH	BEARING
L37	692.90	N08°58'36"E

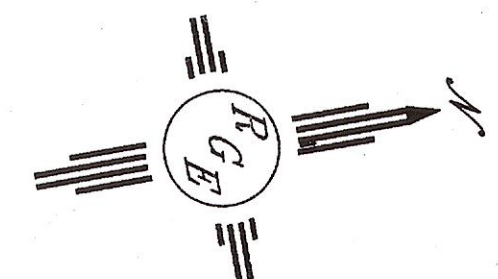


TWILIGHT VISTA LANE
STA: 10+00.00 TO 17+27.84
***-ALL STATIONING BASED UPON PROPOSED CENTERLINE**



NOTE:

1. SEE MASTER UTILITY PLAN FOR SANITARY SEWER SERVICE CONNECTION DETAILS.
2. ALL FIRE HYDRANTS ARE TO BE BUILT PER C.O.A. STD DWG #2340 FULLY RESTRAINED
3. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION
4. WATER VALVES SHALL BE PER COA STD DWG #2326, 2328, 2461.
5. ALL VALVE BOXES SHALL BE POLYMER COATED 12" CMP.
6. ALL 3/4" WATER SERVICES SHALL BE PER COA STD DWG #2361, 2362, 2366, 2368.
7. ALL 3/4" WATER SERVICES SHALL HAVE DUAL CHECK VALVES ON METER SETTER.
8. ALL JOINTS BETWEEN VERTICAL BENDS SHALL BE RESTRAINED. SEE SHEET 14A FOR TABLE



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

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
4/24, 2017



Rio Grande Engineering
1606 CENTRAL AVENUE SE
SUITE 201
ALBUQUERQUE, NM 87106
(505) 872-0888

ABCWUA & CITY OF ALBUQUERQUE
PUBLIC WORKS DIVISION
ENGINEERING GROUP

TITLE: **SUNSET VILLA**
TWILIGHT VISTA LANE UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE
APPROVED
MAY 03 2016
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

APPROVED

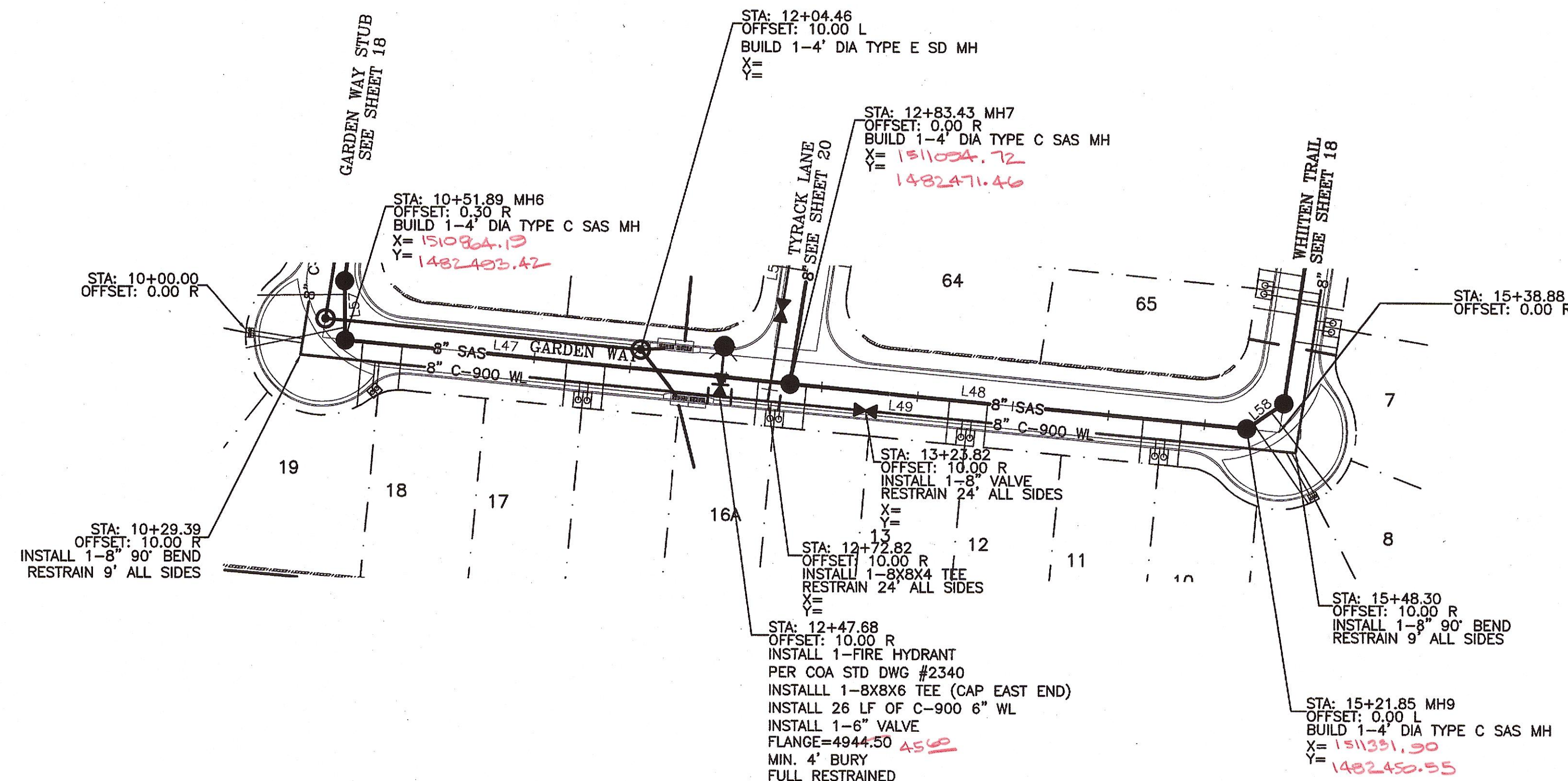
MAY 05 2016

CITY ENGINEER

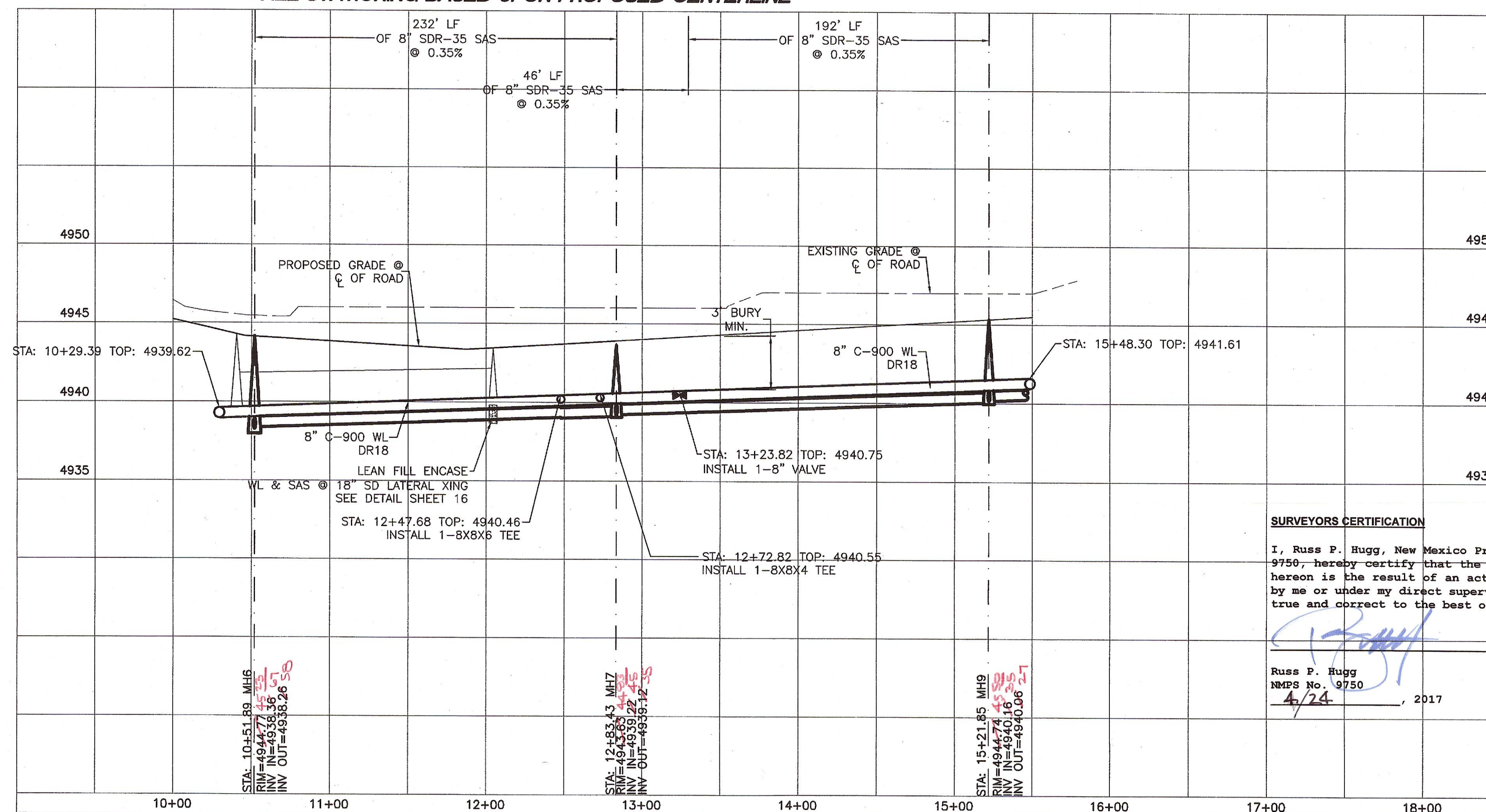
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
764882	K-12-Z	15	25

RECORD DRAWINGS

CAUTION:
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IMPROVEMENTS.



GARDEN WAY 2
STA: 10+00.00 TO 15+78.88
***-ALL STATIONING BASED UPON PROPOSED CENTERLINE**



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Russ P. Hugg
NMPS No. 9750
4/24, 2017



WL TABLE

LOT #	STATION	SERVICE
18&19	10+71.37	DOUBLE
16&17	11+76.99	DOUBLE
14&15	12+76.99	DOUBLE
12&13	13+76.99	DOUBLE
10&11	14+77.99	DOUBLE
8&9	15+60.73	DOUBLE

* END OF 8" MAIN LINE

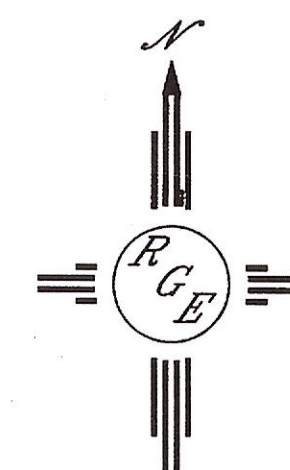
LOT #	STATION	LF	INV. *	ELEV. @ PL
19	10+61.15	34	4938.34	4939.02
18	10+81.37	23	4938.41	4938.87
17	11+66.99	23	4938.71	4939.17
16	11+86.99	23	4938.78	4939.24
15	12+66.99	23	4939.06	4939.29
14	12+91.99	23	4939.25	4939.71
13	13+66.99	23	4939.51	4939.97
12	13+86.99	23	4939.58	4940.04
11	14+67.99	23	4939.87	4940.33
10	14+87.99	23	4939.94	4940.40
9	15+25.96	50	4940.14	4941.14
8	15+33.99	51	4940.16	4941.18

SAS TABLE

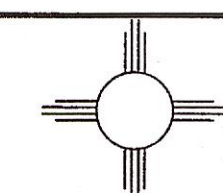
LINE	LENGTH	BEARING
L47	231.54	S84°40'50"E
L48	240.42	S84°40'50"E

WL TABLE

LINE	LENGTH	BEARING
L49	518.92	S84°40'50"E



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



Rio Grande Engineering
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ALBUQUERQUE, NM 87106
(505) 872-0999

ABCWA & CITY OF ALBUQUERQUE
PUBLIC WORKS DIVISION
ENGINEERING GROUP

TITLE: **SUNSET VILLA**
GARDEN WAY UTILITY IMPROVEMENTS 2

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAY 03 2016 DESIGN REVIEW COMMITTEE	APPROVED MAY 05 2016 CITY ENGINEER		

CITY PROJECT NO. 764882
ZONE MAP NO. K-12-Z
SHEET 17 OF 25

AS BUILT INFORMATION CONTRACTOR: <i>ABCWA</i> DRAWN BY: <i>WCU</i> CHECKED BY: <i>WCU</i> DATE: <i>4/24/17</i>		BENCH MARKS "NK 45-44 1982" NAD 83 Position Project: New Mexico State House Zone: Central Latitude: 35° 42' 42.11" N Longitude: 106° 42' 42.11" W Elevation: 4950.00 feet UTM Zone: 14QUD UTM Easting: 150000.00 UTM Northing: 5500000.00 UTM Scale: 0.999999324	
SURVEY INFORMATION FIELD NOTES NO. 1 BY: <i>WCU</i> DATE: <i>4/24/17</i>		ENGINEER'S SEAL 	
REVISIONS NO. 1 DATE: <i>4/24/17</i> BY: <i>WCU</i>		DESIGNED BY: WCU DRAWN BY: WCU CHECKED BY: WCU DATE: 3-08-16 JOB NO.: 21401 DATE: 3-08-16	

RECORD DRAWINGS

CAUTION: EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY. 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.

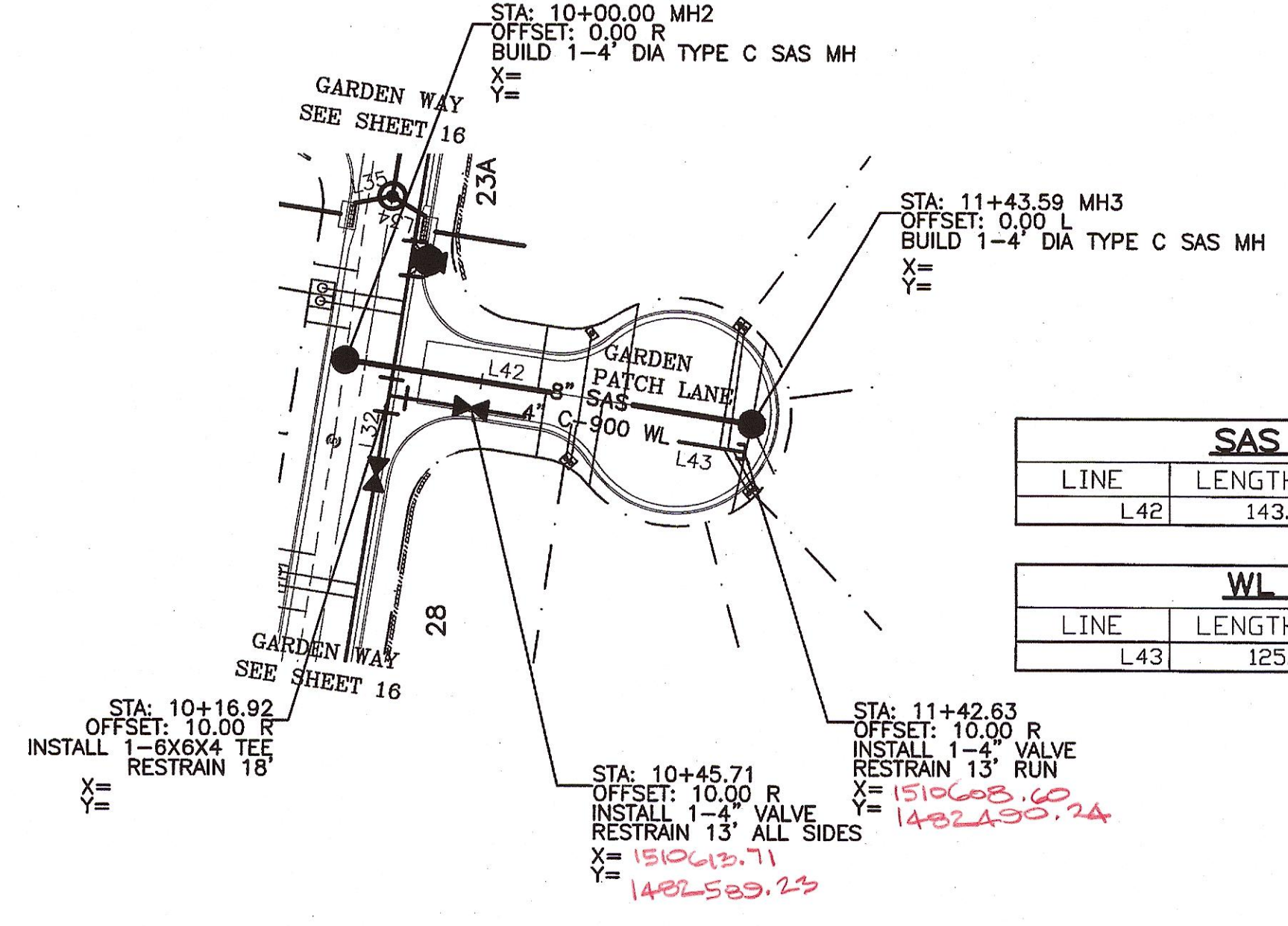
WL TABLE

LOT #	STATION	SERVICE
27&28	10+83.05	DOUBLE
25&26	11+50.73	DOUBLE
23&24	11+38.04	DOUBLE
22	10+85.05	SINGLE

SAS TABLE

LOT #	STATION*	LF	INV.*	ELEV. @ PL
28	10+70.98	23	4937.23	4938.51
27	10+90.98	31	4937.54	4938.82
++26	11+25.58	34	4938.92	4939.60
++25	11+31.05	30	4938.92	4939.52
++24	11+19.88	40	4938.92	4939.72
23	10+97.98	36	4937.65	4938.97
22	10+67.98	23	4937.19	4938.48

++ TIE INTO MH PER COA STD DWG 2118



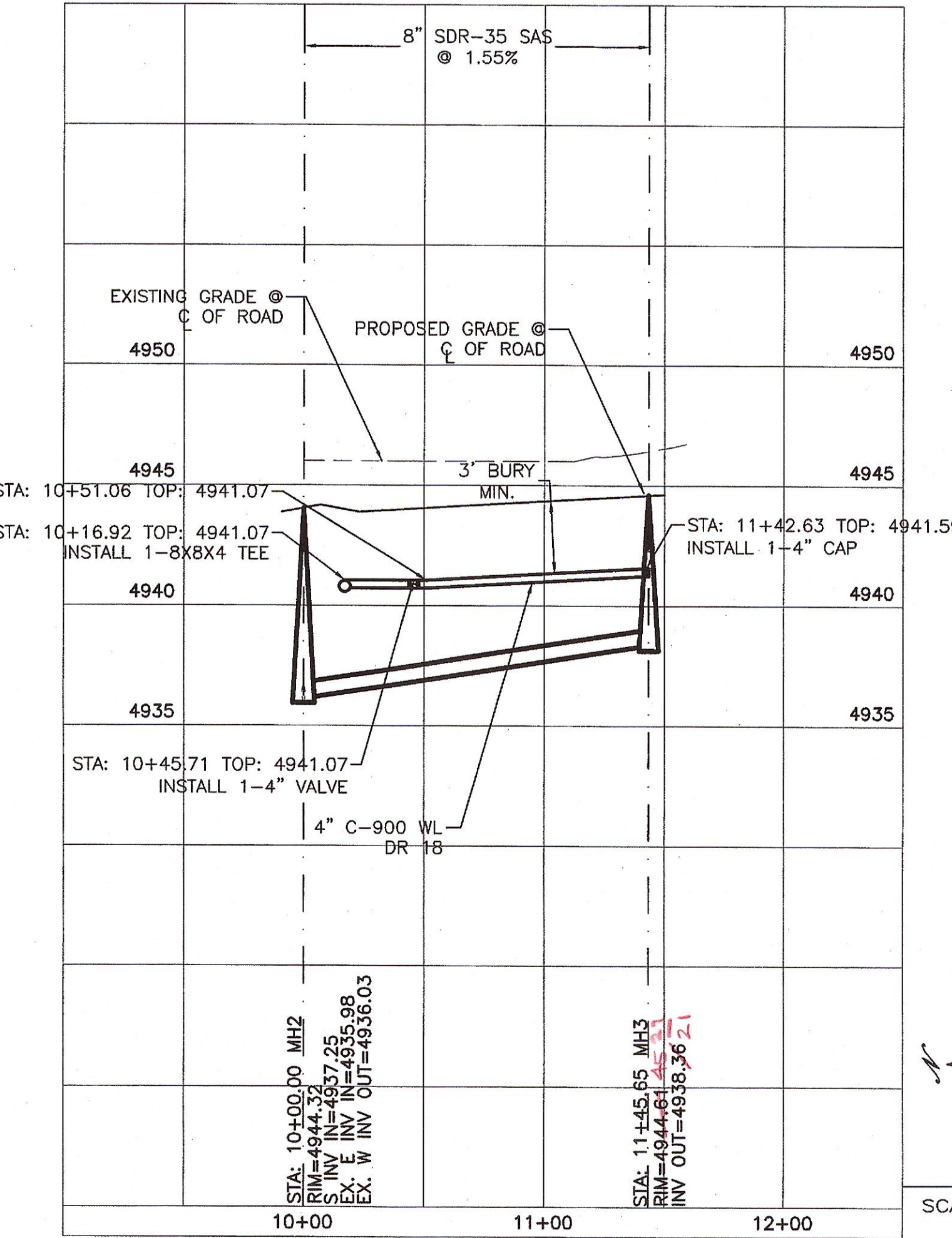
SAS TABLE

LINE	LENGTH	BEARING
L42	143.59	S08°43'24"W

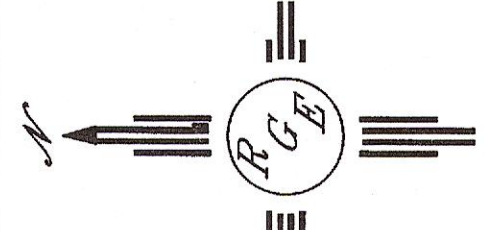
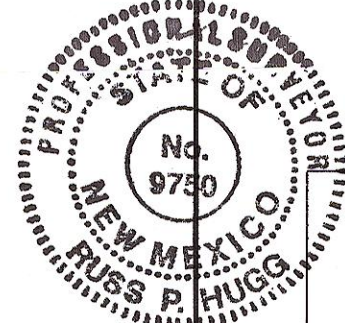
WL TABLE

LINE	LENGTH	BEARING
L43	125.70	S08°43'24"W

GARDEN PATCH LANE
STA: 10+00.00 TO 11+56.98
*-ALL STATIONING BASED UPON PROPOSED CENTERLINE



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Russ P. Hugg
NMPS No. 9750
4/24, 2017



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

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WL TABLE

LOT #	STATION	SERVICE
20&21	10+36.38	DOUBLE
67&68	11+16.86	DOUBLE
69&70	12+24.56	DOUBLE

SAS TABLE

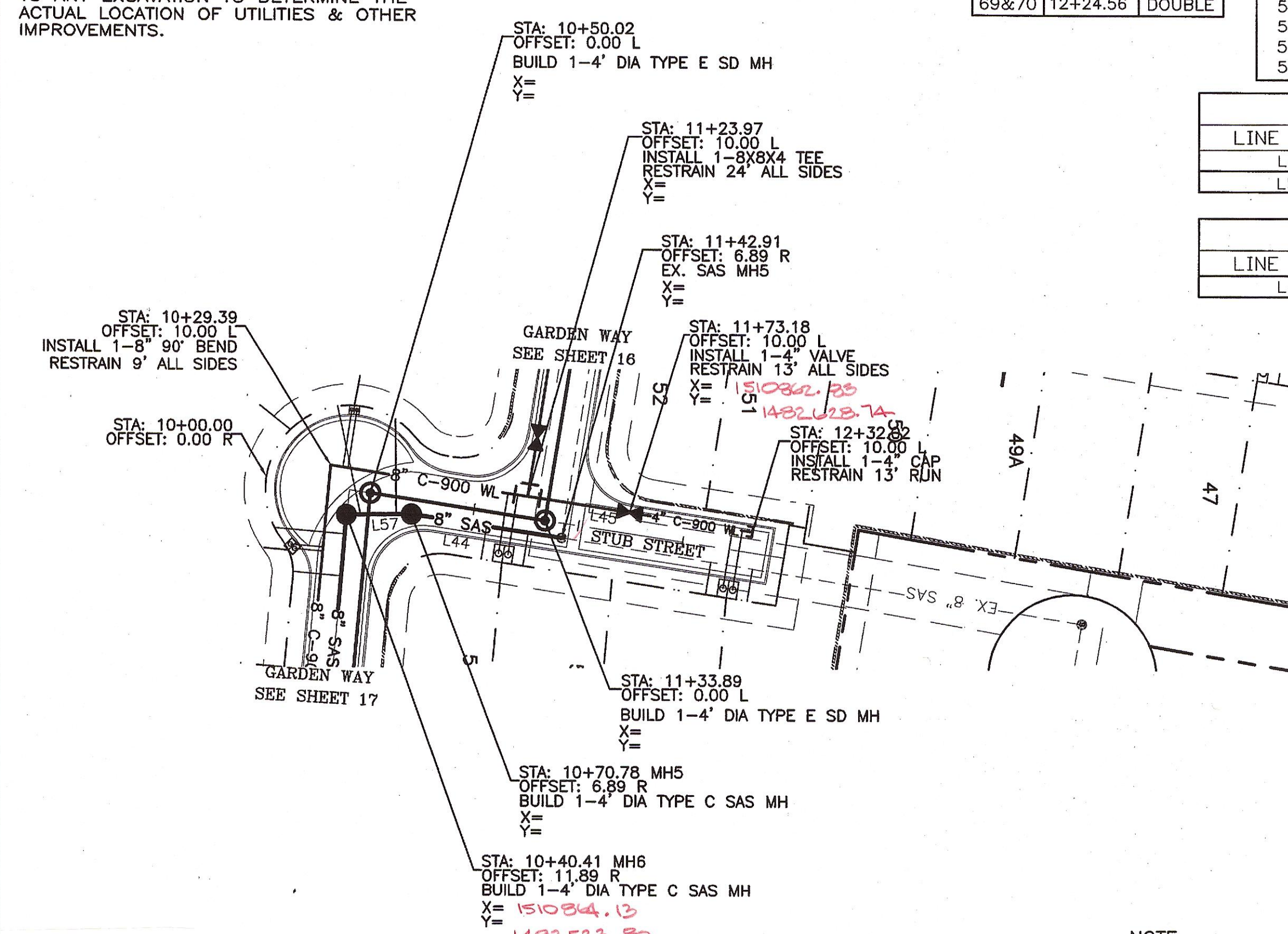
LOT #	STATION*	LF	INV.*	ELEV. @ PL
21	10+63.71	45	4938.11	4939.01
20	10+46.99	52	4938.17	4939.21
56	11+06.96	16	4938.03	4938.35
55	11+27.00	16	4937.92	4938.24
54	12+14.66	16	4937.92	4938.24
53	12+34.70	16	4938.01	4938.33

SAS TABLE

LINE	LENGTH	BEARING
L44	72.12	N08°43'24"E
L57	30.78	N89°22'33"E

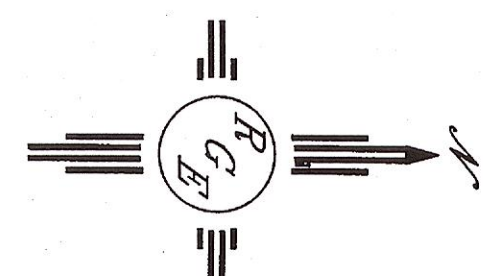
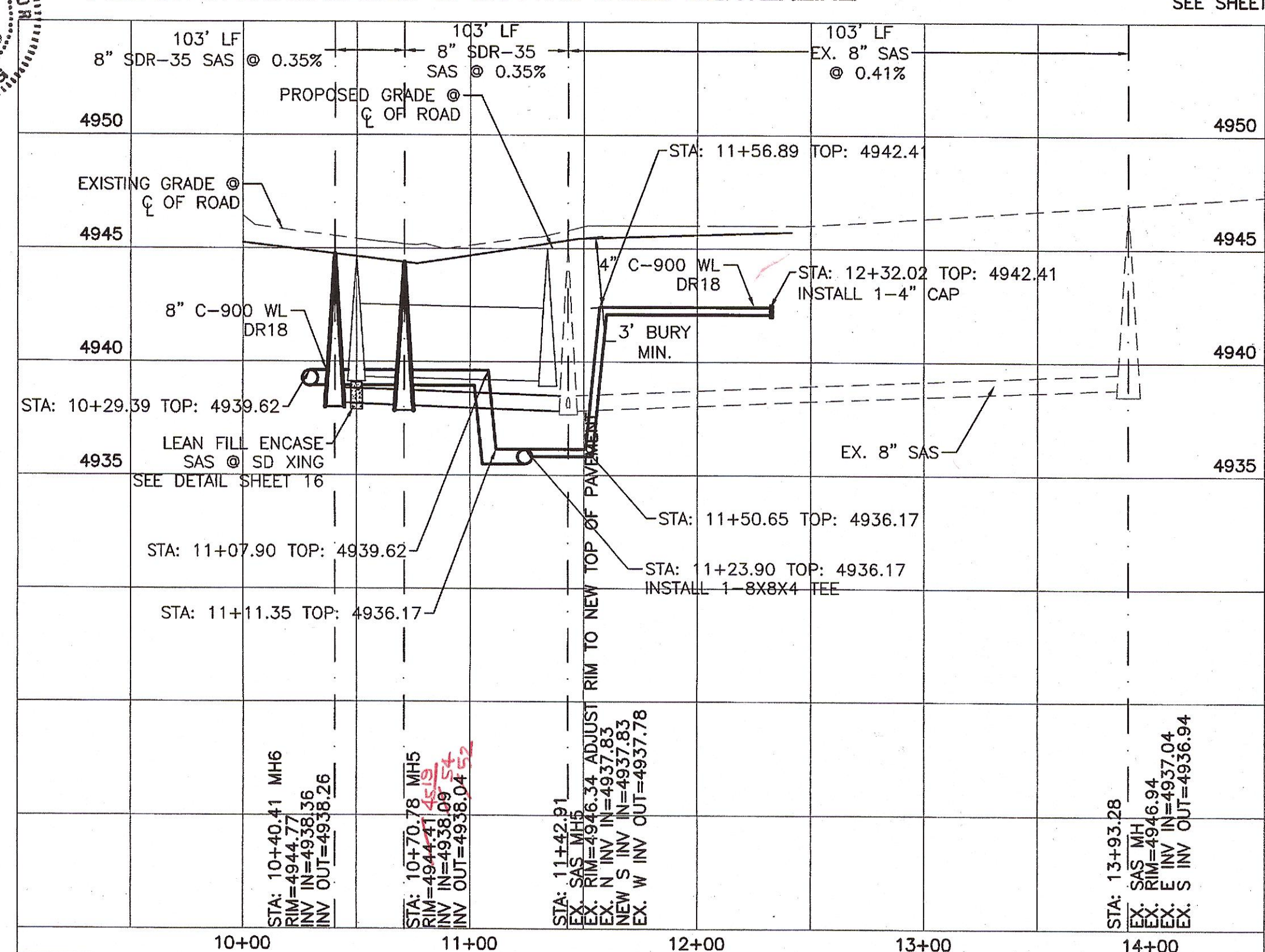
WL TABLE

LINE	LENGTH	BEARING
L45	220.47	N08°43'24"E



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STUB STREET
STA: 10+00.00 TO 12+48.50
*-ALL STATIONING BASED UPON PROPOSED CENTERLINE



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



ABCWUA & CITY OF ALBUQUERQUE
PUBLIC WORKS DIVISION
ENGINEERING GROUP

TITLE: **SUNSET VILLA**
GARDEN PATCH LANE AND STUB OUT UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
MAY 03 2016	MAY 05 2016		
DESIGN REVIEW COMMITTEE	CITY ENGINEER		

CITY PROJECT NO. 764882 ZONE MAP NO. K-12-Z SHEET 18 OF 25

AS BUILT INFORMATION

CONTRACTOR	DATE	NO.
WORK	DATE	NO.
INSPECTOR'S SIGNATURE	DATE	NO.
FIELD CORRECTION	DATE	NO.
REVISION	DATE	NO.
CORRECTED BY	DATE	NO.
RECORDED BY	DATE	NO.

BENCH MARKS

NO.	DATE	BY

SURVEY INFORMATION

NO.	DATE	BY

ENGINEER'S SEAL

NO.	DATE	BY

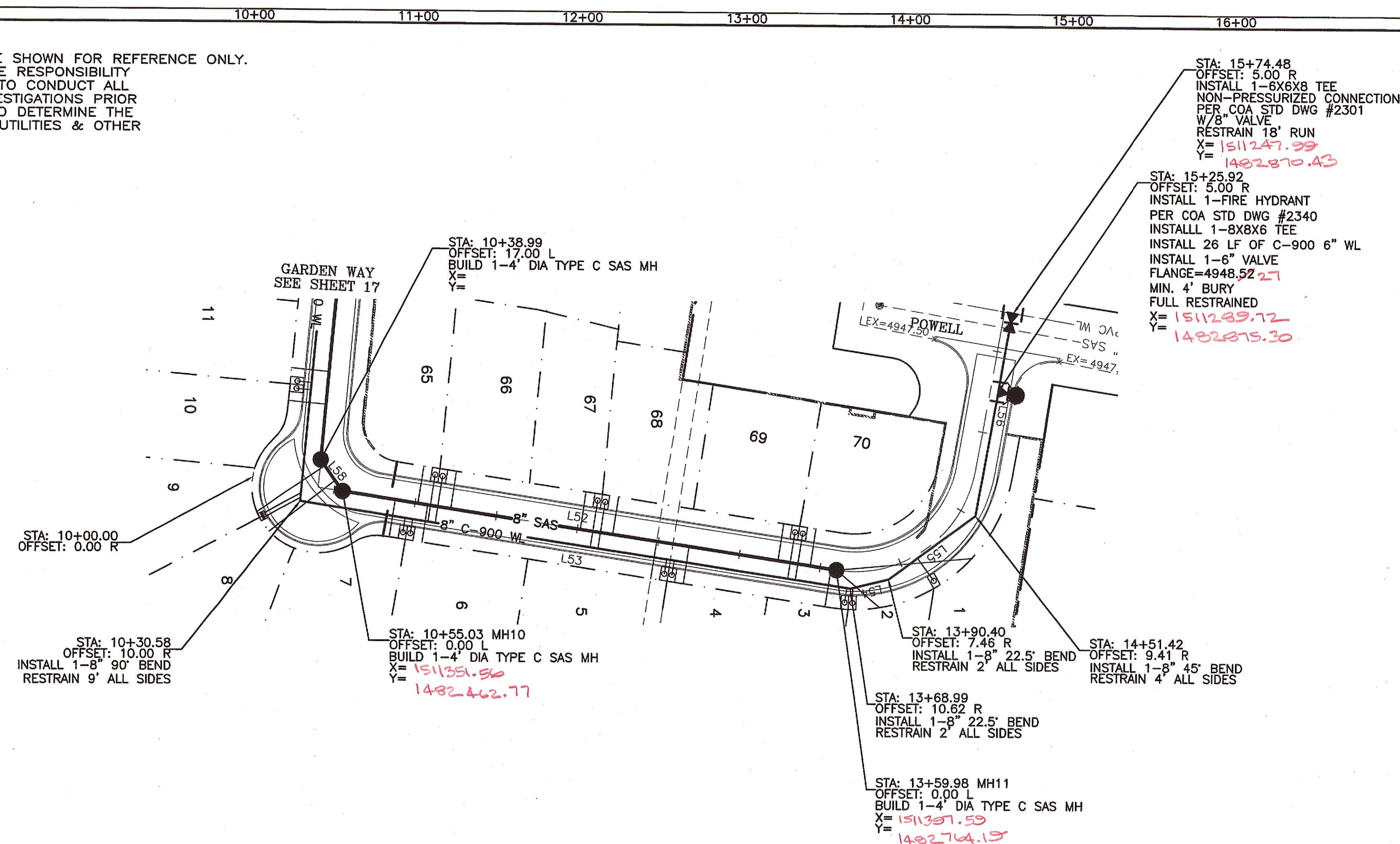
REVISIONS

NO.	DATE	BY

DESIGNED BY: WCMJ DATE: 3-08-16
DRAWN BY: WCMJ DATE: 3-08-16
DRAWN NAME: 21401-LAYOUT-1-06-13 JOB NO.: 21401
CHECKED BY: DS DATE: 3-08-16

RECORD DRAWINGS

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WL TABLE

LOT #	STATION	SERVICE
6&7	10+97.70	DOUBLE
4&5	12+58.85	DOUBLE
2&3	13+68.32	DOUBLE
1	14+10.30	SINGLE
69&70	13+33.67	DOUBLE
67&68	12+11.94	DOUBLE
65&66	11+11.76	DOUBLE

* END OF 8" MAIN LINE
SAS TABLE

LOT #	STATION	LF	INV.*	ELEV. @ PL
7	10+87.68	23	4940.50	4940.81
6	11+07.72	23	4940.61	4940.88
5	12+48.84	23	4941.58	4941.41
4	12+68.87	23	4941.70	4941.44
3	13+56.48	25	4942.23	4942.16
++2	13+59.98	30	4942.58	4942.23
++1	13+59.98	72	4942.58	4943.07
70	13+43.69	23	4942.14	4940.00
69	13+23.66	23	4942.02	4941.70
68	12+21.96	23	4941.41	4941.63
67	12+01.92	23	4941.29	4941.21
66	11+21.78	23	4941.01	4940.93
65	11+01.74	23	4940.89	4940.86

++ TIE INTO MH PER COA STD DWG 2118

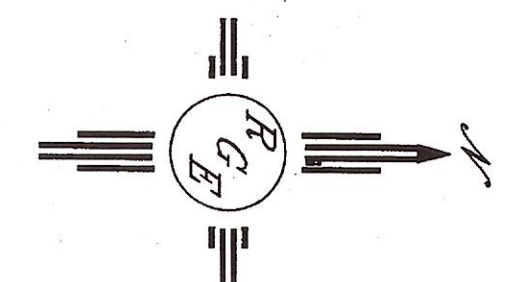
SAS TABLE

LINE	LENGTH	BEARING
L52	304.95	N08°43'24"E
L58	23.37	S55°23'10"W

WL TABLE

LINE	LENGTH	BEARING
L53	339.66	N08°43'24"E
L54	24.12	N13°46'36"W
L55	66.05	N36°16'36"W
L56	125.71	N79°44'17"W

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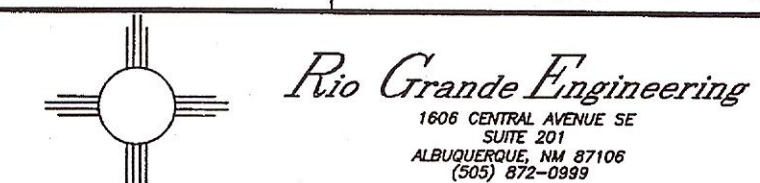
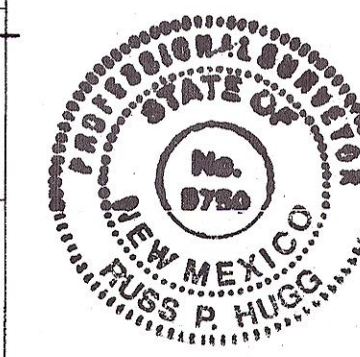


SCALE: HORIZ. 1"=50'
VERT. 1"=5'

SURVEYORS CERTIFICATION

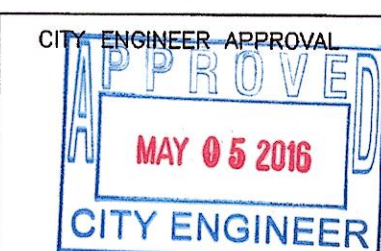
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Russ P. Hugg
NMPS No. 9750
6/2A 2017



ABCWA & CITY OF ALBUQUERQUE
PUBLIC WORKS DIVISION
ENGINEERING GROUP

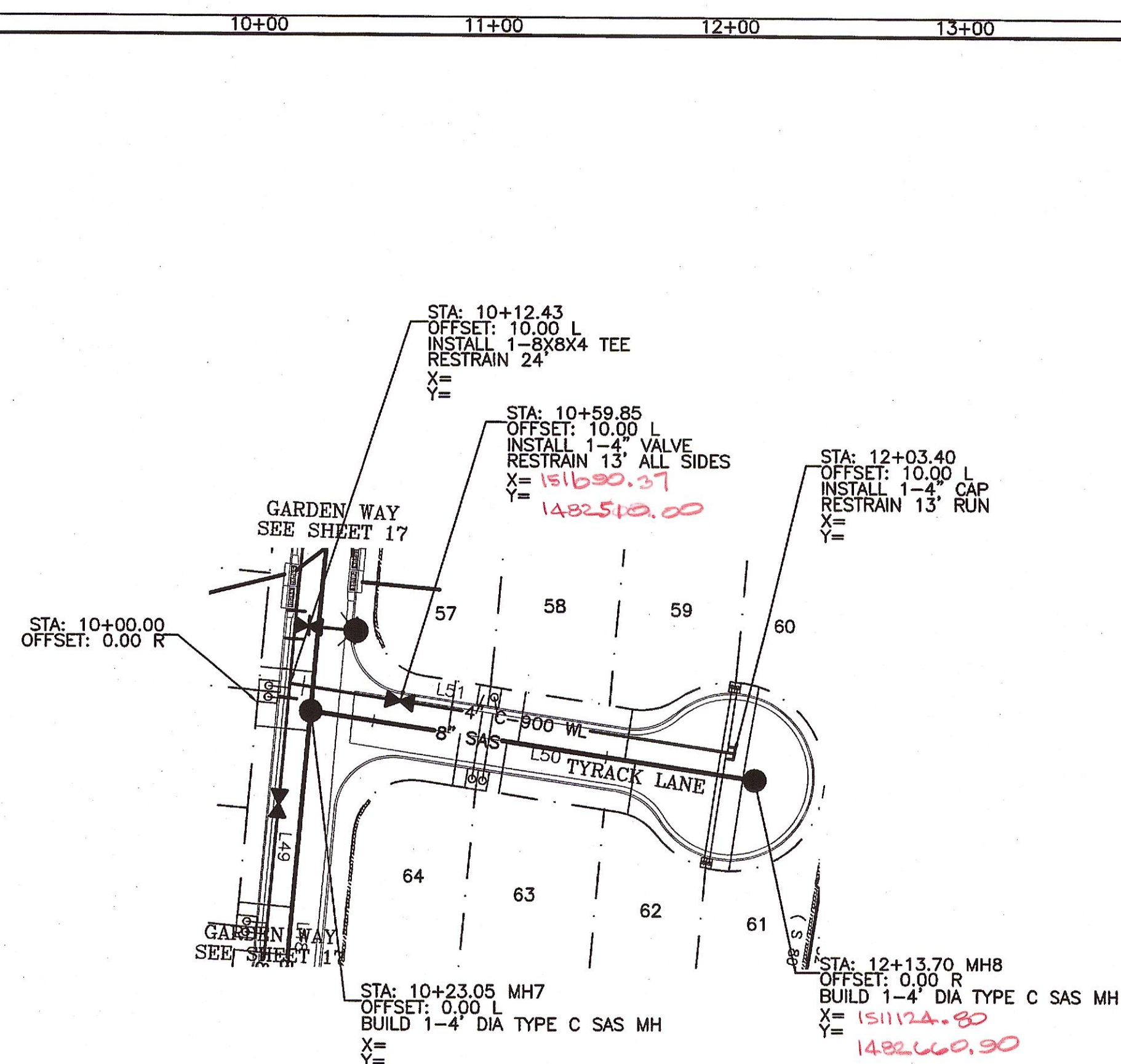
TITLE:
SUNSET VILLA
WHITTEN TRAIL UTILITY IMPROVEMENTS



CITY PROJECT NO. 764882 ZONE MAP NO. K-12-Z SHEET 19 OF 25

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	CONTRACTOR	DATE	NO.	DATE	NO.	DATE
WORK	DATE	CONTRACTOR	DATE	NO.	DATE	NO.	DATE
STATIONED BY	DATE	CONTRACTOR	DATE	NO.	DATE	NO.	DATE
AS BUILT	DATE	CONTRACTOR	DATE	NO.	DATE	NO.	DATE
STATIONED BY	DATE	CONTRACTOR	DATE	NO.	DATE	NO.	DATE
AS BUILT	DATE	CONTRACTOR	DATE	NO.	DATE	NO.	DATE
STATIONED BY	DATE	CONTRACTOR	DATE	NO.	DATE	NO.	DATE
AS BUILT	DATE	CONTRACTOR	DATE	NO.	DATE	NO.	DATE
STATIONED BY	DATE	CONTRACTOR	DATE	NO.	DATE	NO.	DATE
AS BUILT	DATE	CONTRACTOR	DATE	NO.	DATE	NO.	DATE
STATIONED BY	DATE	CONTRACTOR	DATE	NO.	DATE	NO.	DATE
AS BUILT	DATE	CONTRACTOR	DATE	NO.	DATE	NO.	DATE
STATIONED BY	DATE	CONTRACTOR	DATE	NO.	DATE	NO.	DATE
AS BUILT	DATE	CONTRACTOR	DATE	NO.	DATE	NO.	DATE
STATIONED BY	DATE	CONTRACTOR	DATE	NO.	DATE	NO.	DATE
AS BUILT	DATE	CONTRACTOR	DATE	NO.	DATE	NO.	DATE
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STATIONED BY	DATE	CONTRACTOR	DATE	NO.	DATE	NO.	DATE
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TO ANY EXCAVATION TO DETERMINE THE
ACTUAL LOCATION OF UTILITIES & OTHER
IMPROVEMENTS.



WL TABLE

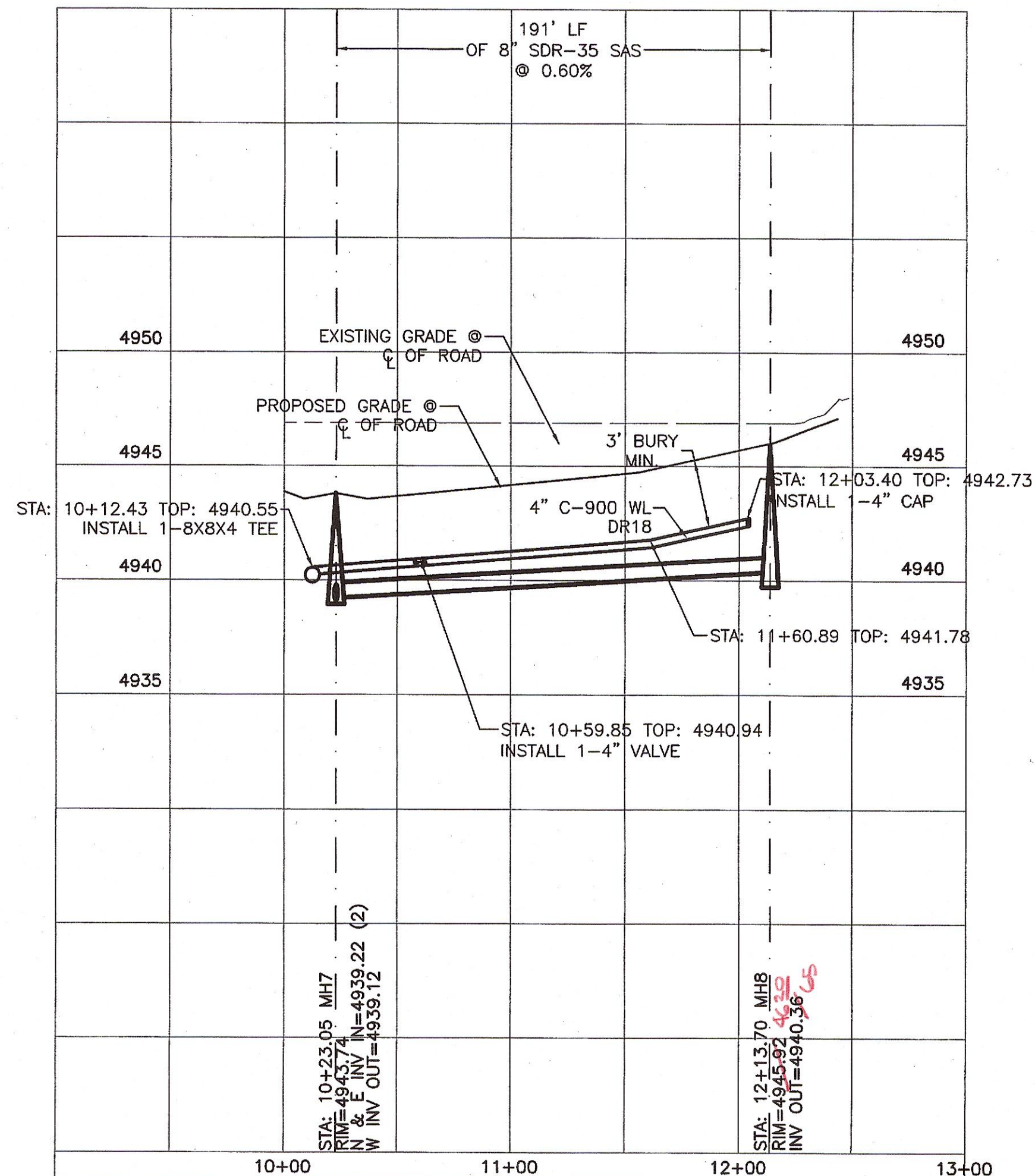
LOT #	STATION	SERVICE
63&64	10+97.48	DOUBLE
61&62	11+98.71	DOUBLE
59&60	11+99.24	DOUBLE
57&58	10+97.23	DOUBLE

* @ END OF 8" MAIN LINE				
SAS TABLE				
LOT #	STATION*	LF	INV.*	ELEV. @ PI
64	10+87.47	22	4939.61	4939.89
63	11+07.50	22	4939.73	4939.95
62	11+62.62	22	4940.06	4940.15
61	12+08.70	43	4940.33	4940.73
60	12+08.70	43	4940.33	4940.73
59	11+57.98	22	4940.03	4940.13
58	11+12.24	22	4939.75	4939.97
57	10+82.21	22	4939.57	4939.87

<u>SAS TABLE</u>		
LINE	LENGTH	BEARING
L50	180.36	N08°43'24"

WL TABLE		
LINE	LENGTH	BEARING
L51	190.97	N08°43'24"

TYRACK LANE
STA: 10+00.00 TO 12+20.36
*-ALL STATIONING BASED UPON PROPOSED CENTERLINE

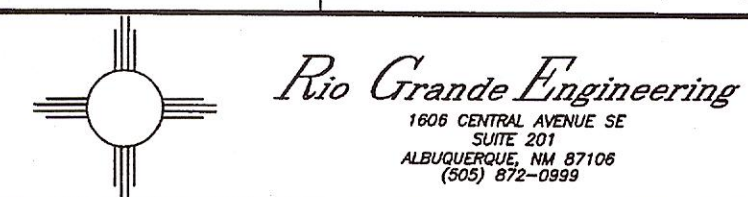
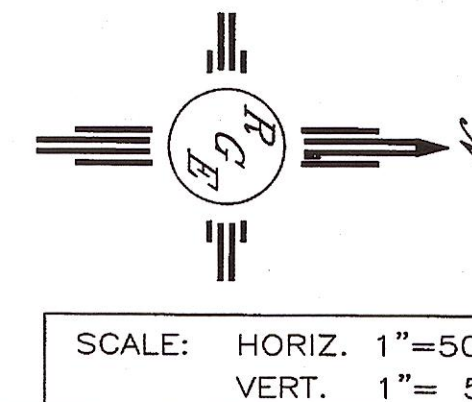


- NOTE:
1. SEE MASTER UTILITY PLAN FOR SANITARY SEWER SERVICE CONNECTION DETAILS.
 2. ALL FIRE HYDRANTS ARE TO BE BUILT PER C.O.A. STD DWG #2340 FULLY RESTRAINED
 3. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION
 4. WATER VALVES SHALL BE PER COA STD DWG #2326, 2328, 2461.
 5. ALL VALVE BOXES SHALL BE POLYMER COATED 12" CMP.
 6. ALL 3/4" WATER SERVICES SHALL BE PER COA STD DWG #2361, 2362, 2366, 2368.
 7. ALL 3/4" WATER SERVICES SHALL HAVE DUAL CHECK VALVES ON METER SETTER.
 8. ALL JOINTS BETWEEN VERTICAL BENDS SHALL BE RESTRAINED. SEE SHEET 14A FOR TABLE

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
4/24, 2017



ABCWUA & CITY OF ALBUQUERQUE
PUBLIC WORKS DIVISION
ENGINEERING GROUP

TITLE: **SUNSET VILLA**
TYRACK LANE UTILITY IMPROVEMENTS 2

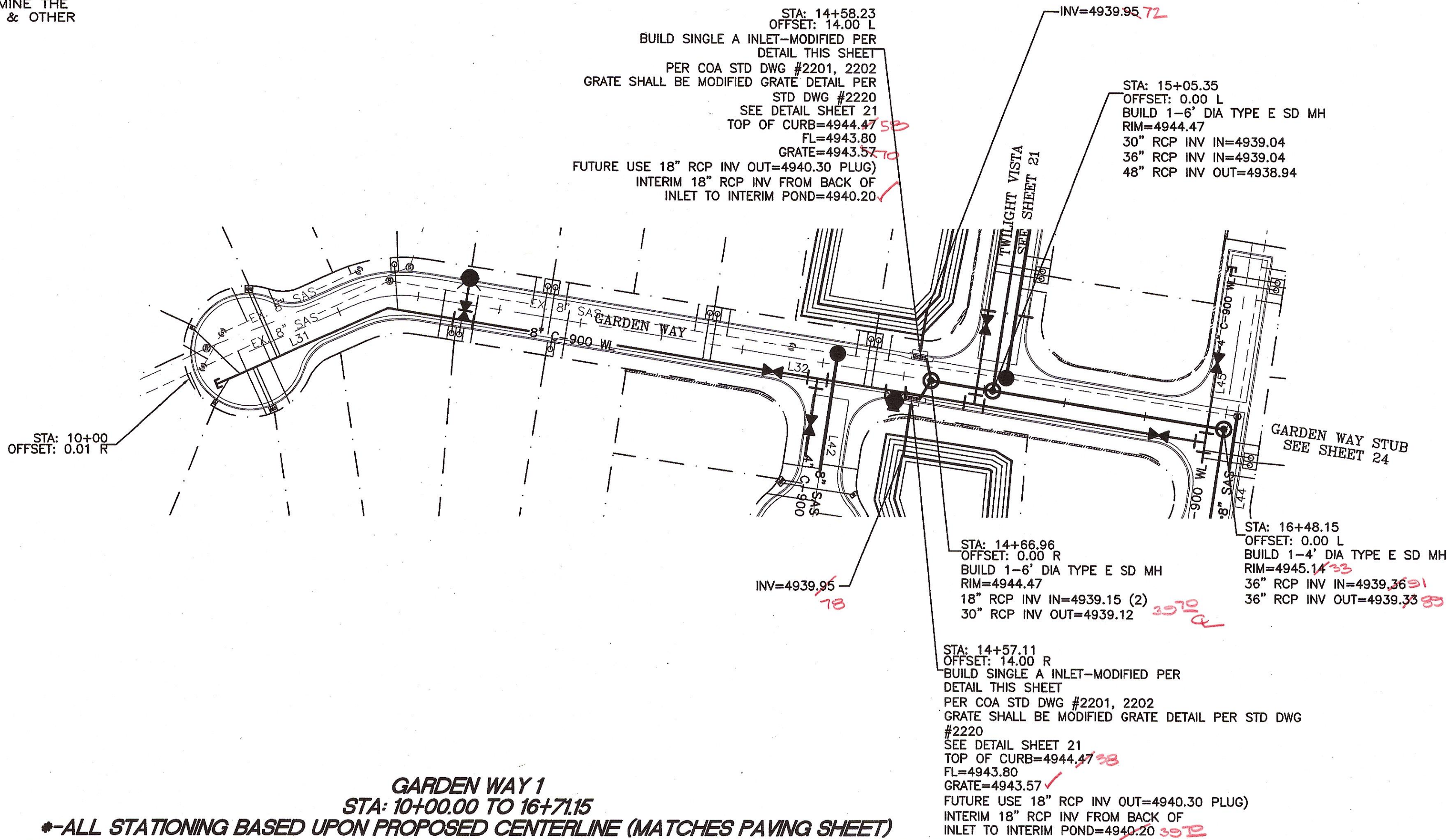


CITY PROJECT NO.	764882	ZONE MAP NO.	K-12-Z	SHEET	20	OF	25
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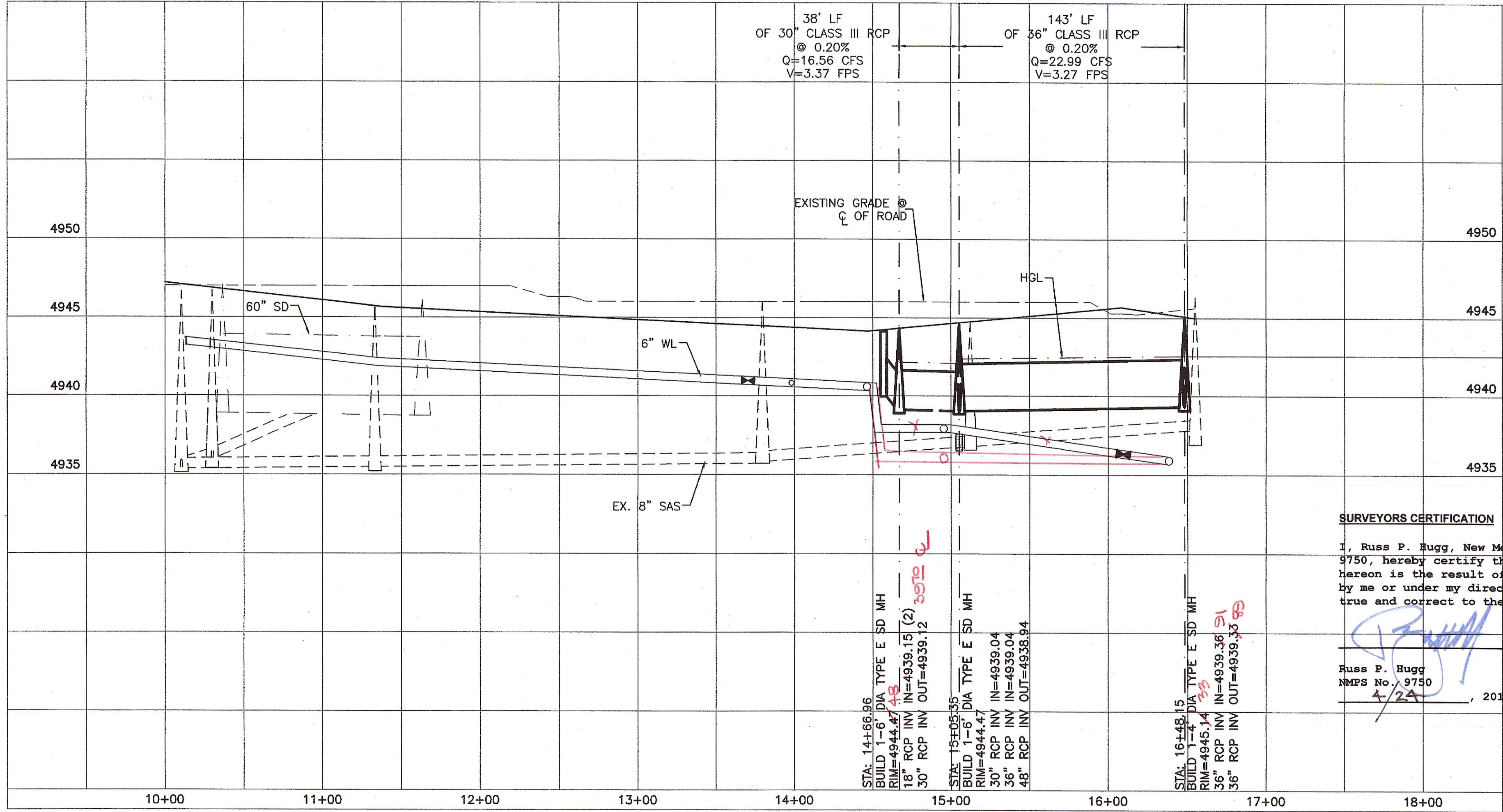
RECORD DRAWINGS

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10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00



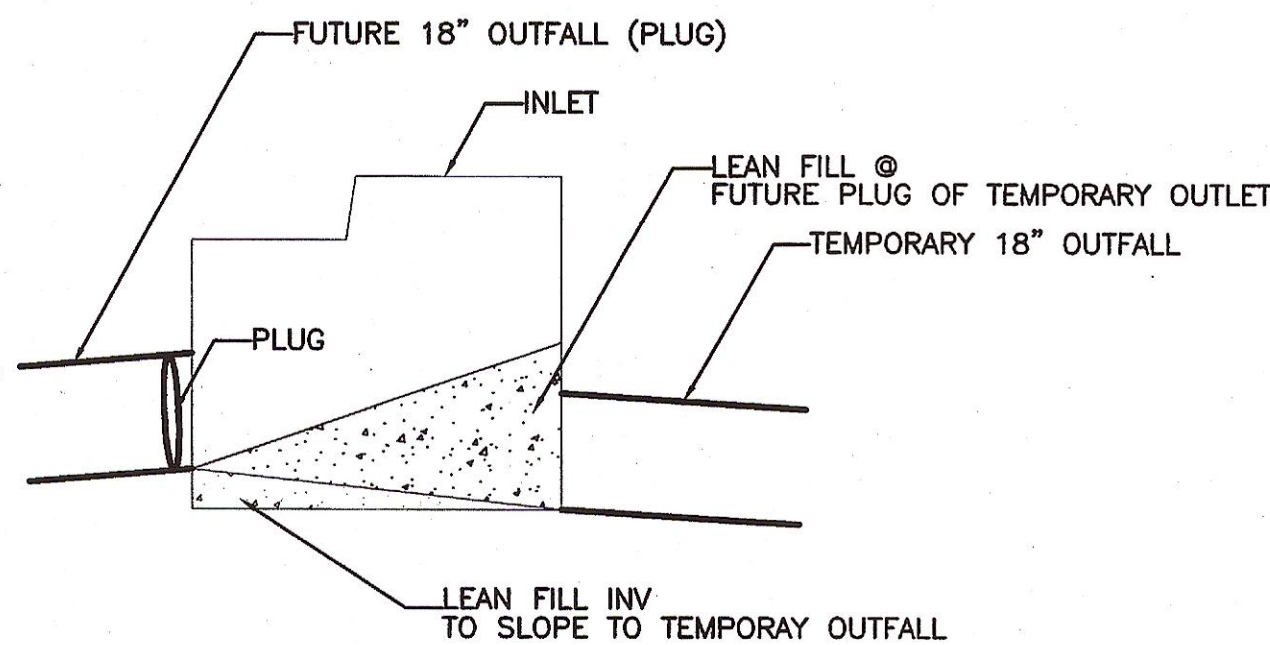
GARDEN WAY 1
STA: 10+00.00 TO 16+71.15
*ALL STATIONING BASED UPON PROPOSED CENTERLINE (MATCHES PAVING SHEET)



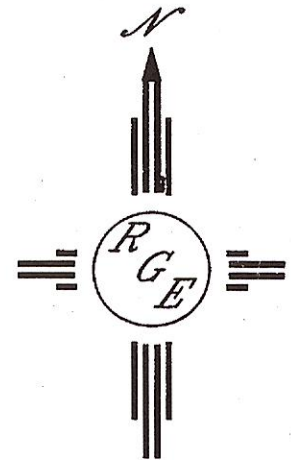
SURVEYORS CERTIFICATION
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Russ P. Hugg
NMPs No. 9750
4/24, 2017

LINE TABLE		
LINE	LENGTH	BEARING
L33	142.80	S80°50'36"E
L34	45.30	N83°13'10"E
L35	44.63	N64°39'44"W



TEMPORARY OUTFALL LEAN FILL DETAIL
NTS



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

Rio Grande Engineering
1608 CENTRAL AVENUE SE
SUITE 201
ALBUQUERQUE, NM 87106
(505) 872-0399

ABCWUA & CITY OF ALBUQUERQUE
PUBLIC WORKS DIVISION
ENGINEERING GROUP

TITLE:
SUNSET VILLA
GARDEN WAY STORM DRAIN IMPROVEMENTS 1

DESIGN REVIEW COMMITTEE

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

CITY ENGINEER

CITY PROJECT NO.
764882

ZONE MAP NO.
K-12-Z

SHEET
22

OF
25

DESIGNED BY: WCWJ
DATE: 3-08-16

DRAWN BY: WCWJ
DATE: 3-08-16

DRAWN NAME: 21401-LAYOUT-1-06-13
JOB NO: 21401

CHECKED BY: DS
DATE: 3-08-16

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN	
CONTRACTOR	SALES/LEAS	DATE	5/11/16	NO.	BY	DATE	NO.	DATE	NO.	DATE	NO.
WORK	SALES/LEAS	DATE	5/11/16	NO.	BY	DATE	NO.	DATE	NO.	DATE	NO.
REVISIONS	SALES/LEAS	DATE	5/11/16	NO.	BY	DATE	NO.	DATE	NO.	DATE	NO.
APPROVED BY	SALES/LEAS	DATE	5/11/16	NO.	BY	DATE	NO.	DATE	NO.	DATE	NO.
CORRECTED BY	SALES/LEAS	DATE	5/11/16	NO.	BY	DATE	NO.	DATE	NO.	DATE	NO.
RECORDED BY	SALES/LEAS	DATE	5/11/16	NO.	BY	DATE	NO.	DATE	NO.	DATE	NO.
DATE	SALES/LEAS	DATE	5/11/16	NO.	BY	DATE	NO.	DATE	NO.	DATE	NO.

10+00	11+00	12+00	13+00	14+00	15+00	16+00
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STA: 11+64.46
 OFFSET: 10.00 L
 BUILD 1'-4" DIA TYPE E SD MH
 RIM=4943.43
 18" RCP INV IN=4939.91 (2)
 30" RCP INV OUT=4939.89

INV=4939.38 *1.66*
 STA: 11+86.99
 OFFSET: 14.00 L
 BUILD DOUBLE C INLET-MODIFIED PER DETAIL THIS SHEET
 PER COA STD DWG #2205
 GRATE SHALL BE MODIFIED GRATE DETAIL
 PER STD DWG #2220-SEE DETAIL THIS SHEET
 TOP OF CURB=4943.90
 FL=4943.23
 GRATE=4943.00 *44-12*
 FUTURE USE 18" RCP INV OUT=4939.73 (PLUG)
 INTERIM 18" RCP INV OUT FROM BACK OF
 INLET TO INTERIM POND=4939.63 *36*

STA: 10+00.00
 OFFSET: 10.00 L
 BUILD 1'-4" DIA TYPE E SD MH
 RIM=4944.60
 30" RCP INV IN=4939.56
 36" RCP INV OUT=4939.53

INV=4939.62 *43*
 STA: 11+86.99
 OFFSET: 14.00 R
 BUILD DOUBLE C INLET-MODIFIED PER DETAIL THIS SHEET
 PER COA STD DWG #2205
 GRATE SHALL BE MODIFIED GRATE DETAIL
 PER STD DWG #2220-SEE DETAIL THIS SHEET
 TOP OF CURB=4944.14
 FL=4943.47
 GRATE=4943.24 *44-24*
 FUTURE USE 18" RCP INV OUT=4939.97 (PLUG)
 INTERIM 18" RCP INV OUT FROM BACK OF
 INLET TO INTERIM POND=4939.87 *72*

8" SAS
 8" C-900 W
 8" SAS
 8" C-900 W

GARDEN WAY STUB
 SEE SHEET 24

L47 GARDEN WAY

AS BUILT INFORMATION	CONTRACTOR	SALES
WORK	SALES	DATE 3/12
STAKED BY	SALES	DATE 5/1
INSPECTED BY	SALES	DATE 3/1
ACCEPTANCE BY	SALES	DATE 3/1
FIELD	SALES	DATE 3/1
VERIFICATION BY	SALES	DATE 3/1
DRAWINGS	SALES	DATE 3/1
CORRECTED BY	SALES	DATE 3/1
MICRO-FILM INFORMATION	RECORDED BY	DATE
	NO.	



A circular professional seal for a surveyor in the State of New Mexico. The outer ring contains the text "PROFESSIONAL SURVEYOR" at the top and "NEW MEXICO" at the bottom. Inside this ring, the name "RUSS P. HUGG" is written in a larger font. At the center of the seal is a smaller circle containing the text "No. 9750".

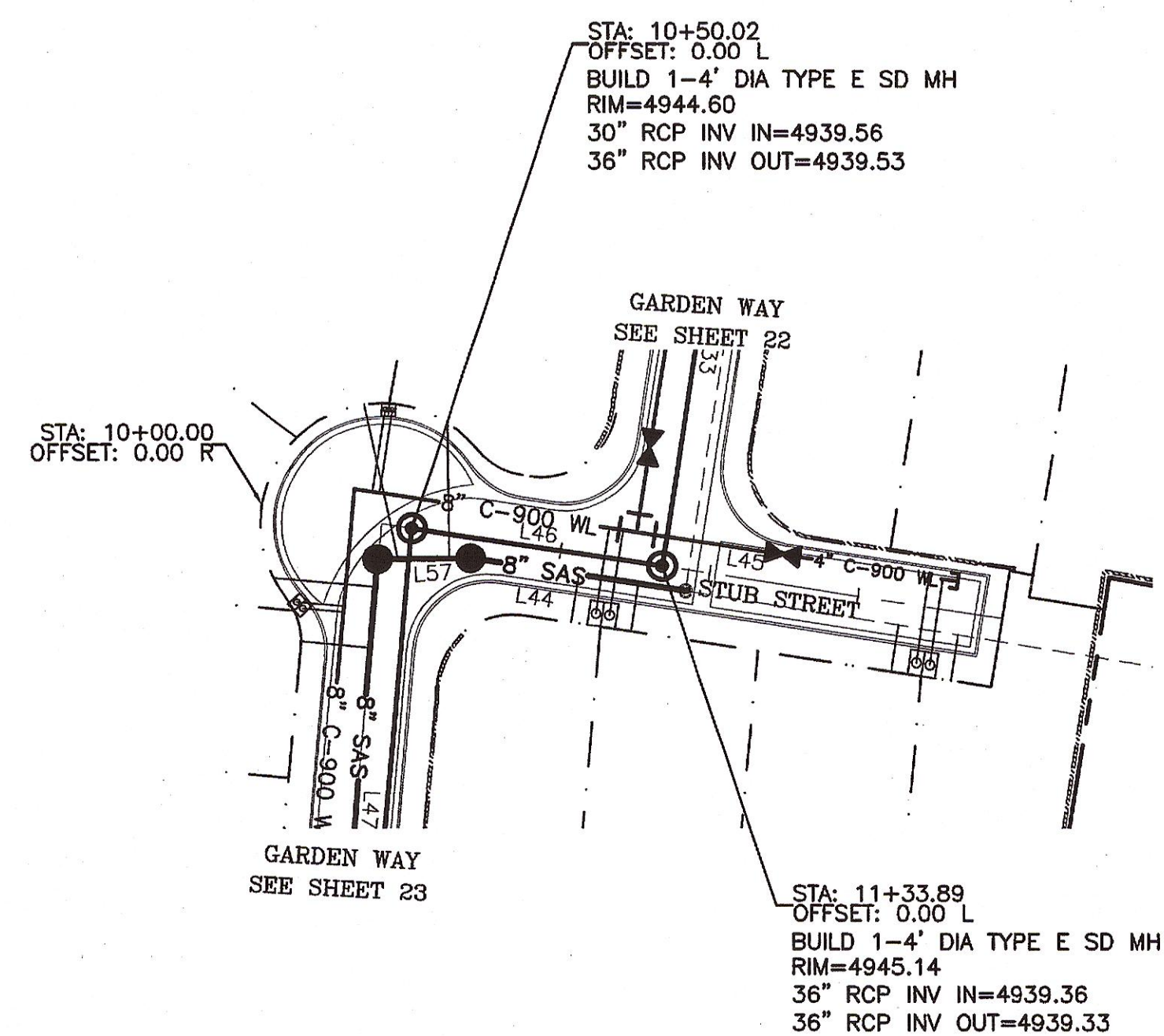


LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

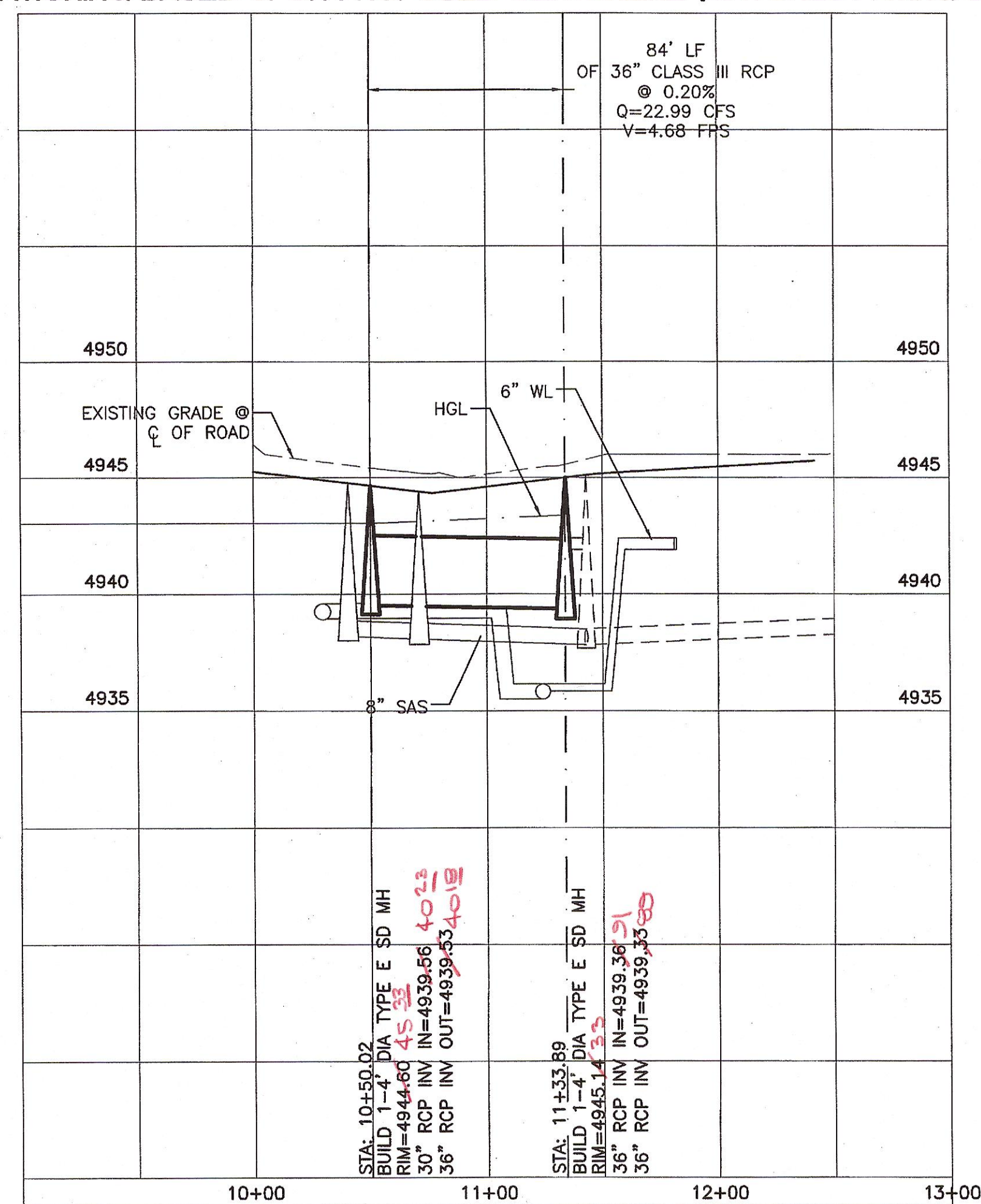
CITY PROJECT NO.	764882	ZONE MAP NO.	K-12-7	SHEET	23	OF	25
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RECORD DRAWINGS

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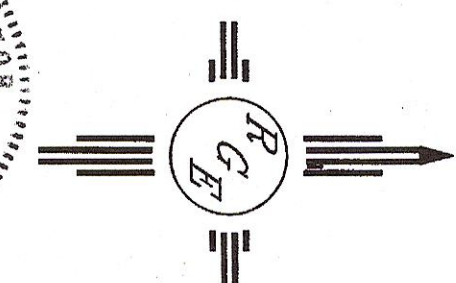
STUB STREET
STA: 10+00.00 TO 12+48.50
***-ALL STATIONING BASED UPON PROPOSED CENTERLINE (MATCHES PAVING SHEET)**



SURVEYORS CERTIFICATION

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Russ P. Hugg
NMPS No. 9750
4/24, 2017



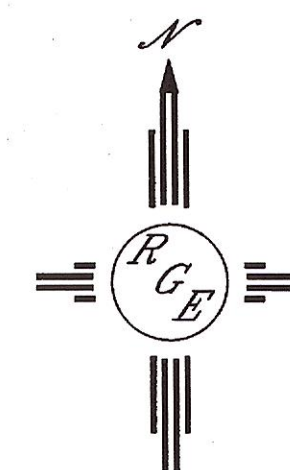
SCALE: HORIZ. 1"=50'
VERT. 1"= 5'

LINE TABLE		
LINE	LENGTH	BEARING
L46	83.87	N08°43'24"E

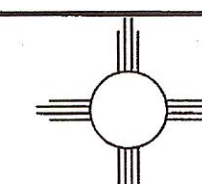
AS BUILT INFORMATION	
CONTRACTOR	
WORK ORDER NO.	DATE
INSPECTOR'S NAME	DATE
ACCEPTANCE BY	DATE
FIELD SIGNATURE	DATE
VERIFICATION BY	DATE
DRAWINGS NO.	DATE
CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

NM 45-4A 1983^{*}
NAD 83 Position
Corner Ref. 63
Elevation New Mexico State Plane,
Zone Central
Latitude 35° 4' 4.2350"
Longitude 105° 42' 4.2116"
Horizontal by GPS Fixer 0.00000000m
Vertical by GPS Fixer 0.00000000m
Horizontal 015 survey, both 1.490228m
Vertical 015 survey, both 1.575415 m
1940-1944 1933 Elevation
Corner HMD 1500
Orthometric Height 015 survey, both
1.575415m

[illegible][illegible]

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



Rio Grande Engineering
1606 CENTRAL AVENUE SE
SUITE 201
ALBUQUERQUE, NM 87106
(505) 872-0999

ABCWUA & CITY OF ALBUQUERQUE
PUBLIC WORKS DIVISION
ENGINEERING GROUP

SUNSET VILLA
STUB STREET STORM DRAIN IMPROVEMENTS



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

CITY PROJECT NO.	764882	ZONE MAP NO.	K-12-7	SHEET	24	OF	25
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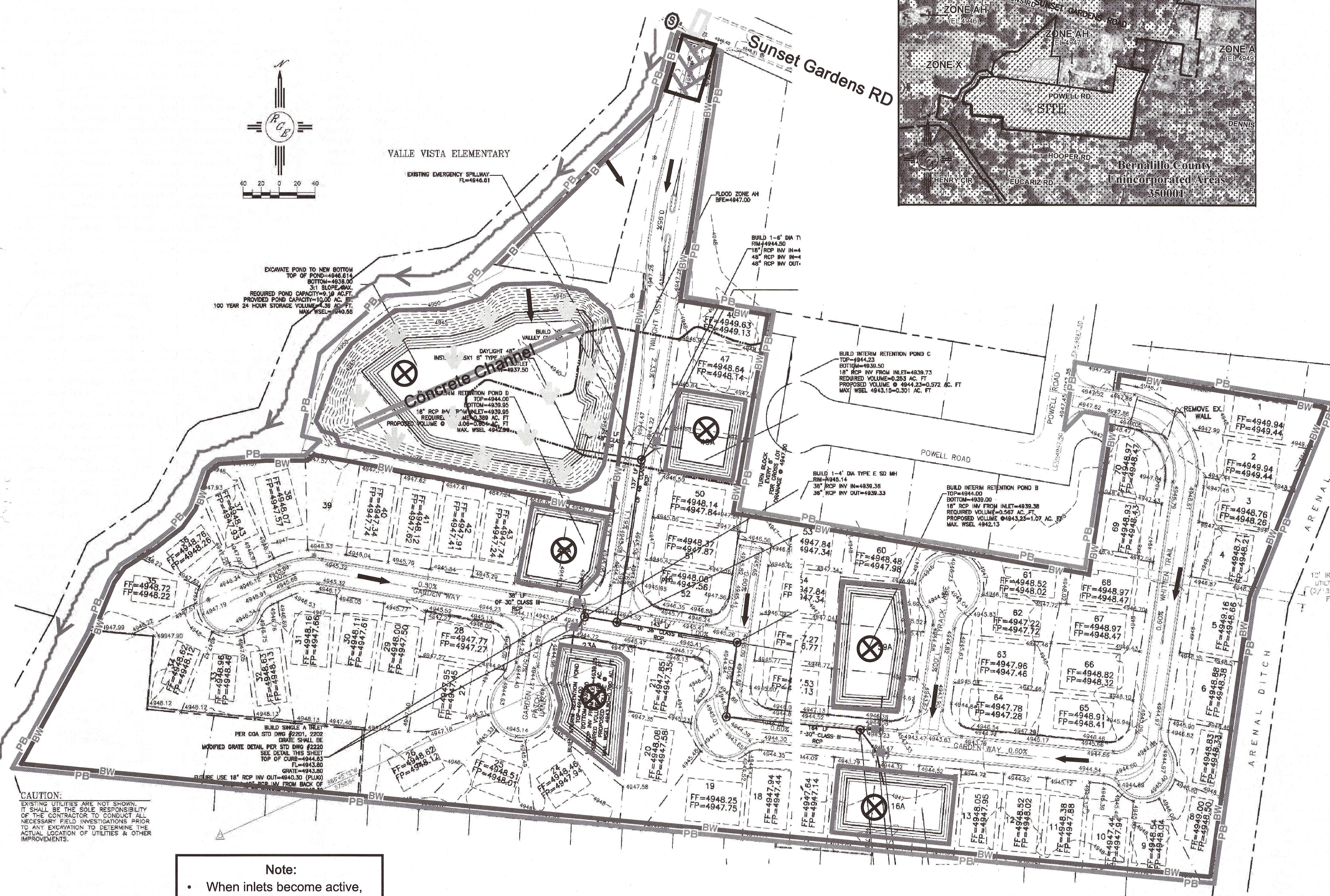
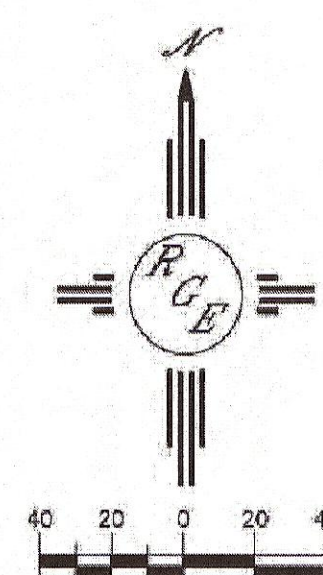
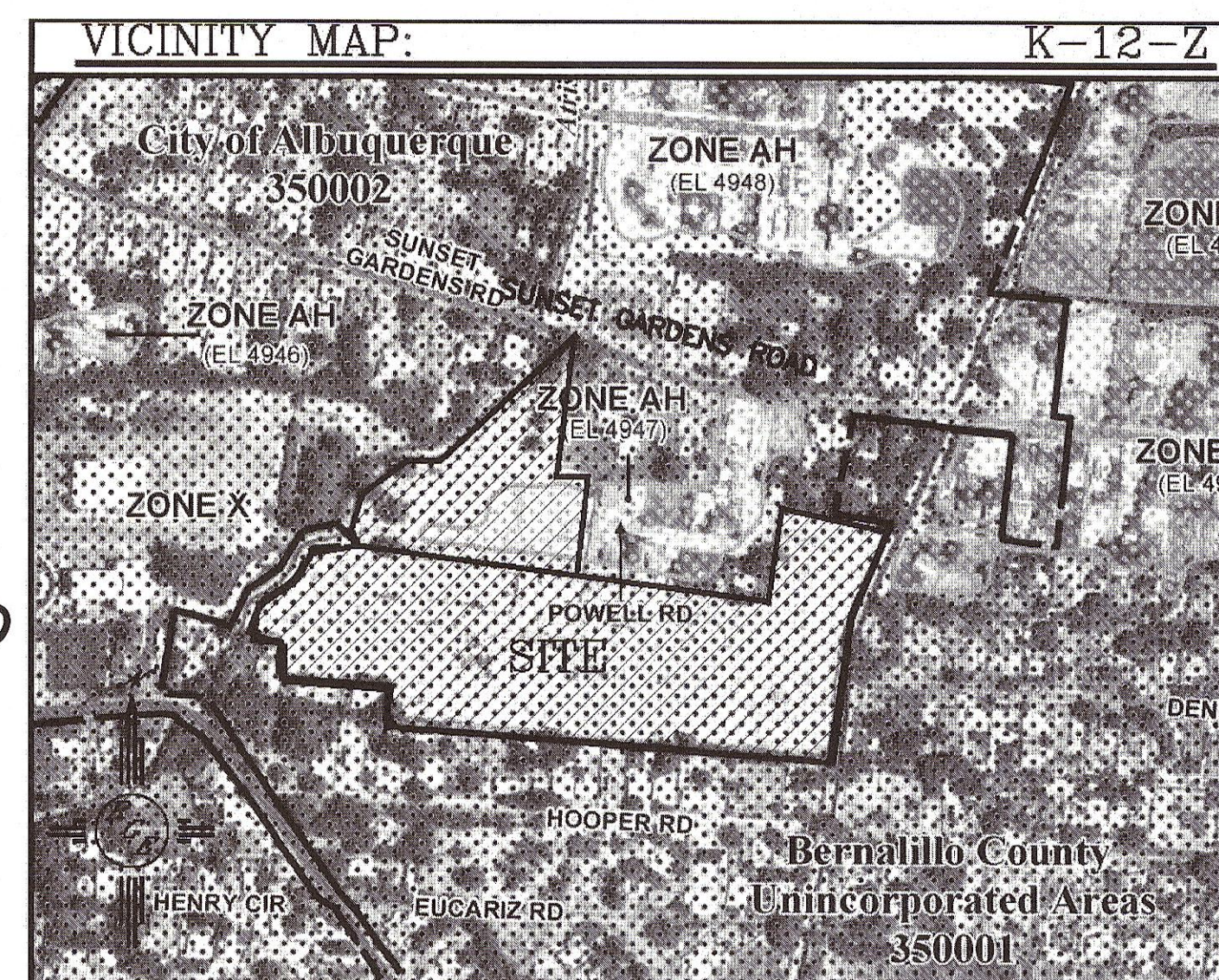
RECORD DRAWINGS



Engineer Stamp



4/26/16



Legend

Erosion Sediment Control Plan

- PB** Project Perimeter & Disturbed Area
- Pre Flow & Post Flow
- ⊗** Outfall
- Ⓢ** Posting Sign
- ↓** Preserved Vegetation
- KK** Stabilized Construction Entrance
- Pond
- (PSI)** Proposed Storm Inlet (use wattles once operational)
- B** Earth Berm
- BW** Block Wall (existing)
- ~~~~~** Irrigation Ditch
- Section to connect water line:** Place dirt on the uphill side of the street cut and sweep the area after the work is complete.
- To Be Determined**
 - Trash Receptacle
 - Chemical Toilet
 - ▨** Concrete Washout
 - ▩** Staging Area

Note:

- When inlets become active, have inlet protection in place.
- When doing work in the City ROW (sidewalk, storm drain, drive pads) avoid dirt from getting into the street. If dirt is present in the street, the street should be swept every few days or the same day if rain is imminent.

Sunset Villa Subdivision

Receiving Waters and Critical Habitat: Rio Grande located 0.6 miles to the East.

Impairments: E. coli, Dissolved Oxygen, PCBs in Fish Tissue, Water Temperature

Grade: Before and After 0.5% to 2.33%