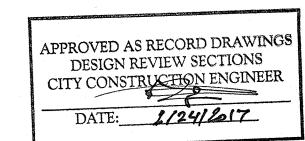
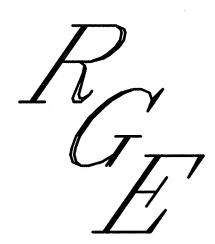
# CONSTRUCTION PLANS FOR GLENDALE ESTATES PHASE

## PAVING AND UTILITY IMPROVEMENTS



THE CITY OF ALBUQUERQUE & ABCWUA NEW MEXICO JANUARY 2016



I DAVID SOULE, NMPE 14522, OF THE FIRM RIO GRANDE ENGINEERING, HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFRASTRUCTURE INSTALLED AS A PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR A QUALIFIED PERSON UNDER MY DIRECT SUPERVISION AND HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE CITY, COUNTY AND ABCWUA ENGINEER AND THAT THE ORIGINAL DESIGN INTENT HAS BEEN MET, EXCEPT AS NOTED BY ME OR PERSONNEL UNDER MY DIRECTION AND SURVEY INFORMATION PROVIDED BY DAVID ACOSTA NMPS 21082.



#### INDEX TO DRAWINGS

- TITLE SHEET
- GRADING AND DRAINAGE PLAN (FOR REFERENCE ONLY)
- MASTER PAVING PLAN
- NORTH STAR LANE PAVING IMPROVEMENTS PLAN AND PROFILE
- MASTER UTILITY PLAN
- NORTH STAR LANE UTILITY IMPROVEMENTS PLAN AND PROFILE
- NORTH STAR LANE STORM DRAIN IMPROVEMENTS PLAN AND PROFILE
- EROSION CONTROL PLAN

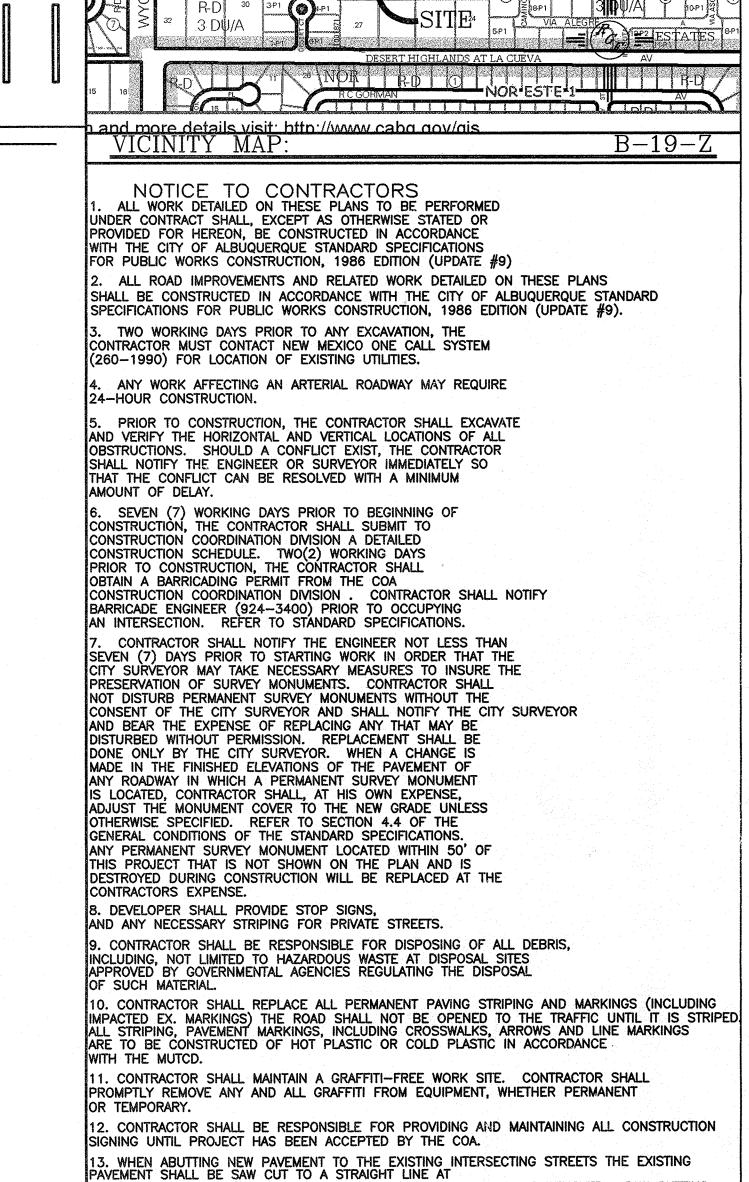


DRB# 1008656

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 Rio Grande SPECIFIED STREET USE. SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB Lingineering RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB 1606 CENTRAL AVE SE SUITE 201 RETURN IS CONSTRUCTED. ALL STORM DRAINAGE FACILITIES SHALL BE COM-ALBUQUERQUE, NM 8710 PLETED PRIOR TO FINAL ACCEPTANCE. DATE REV SHEETS CITY ENGINEER DATE USER DEPT. USER DEPT. **APPROVALS** ENGINEER ENGINEERS STAMP & SIGNATURE DRC Chairman ransportation Hydrology ABCWUA my mora Constr. Mngmt. Constr. Coord. Water/Wastewater 1 OF 9 CITY PROJECT NO.

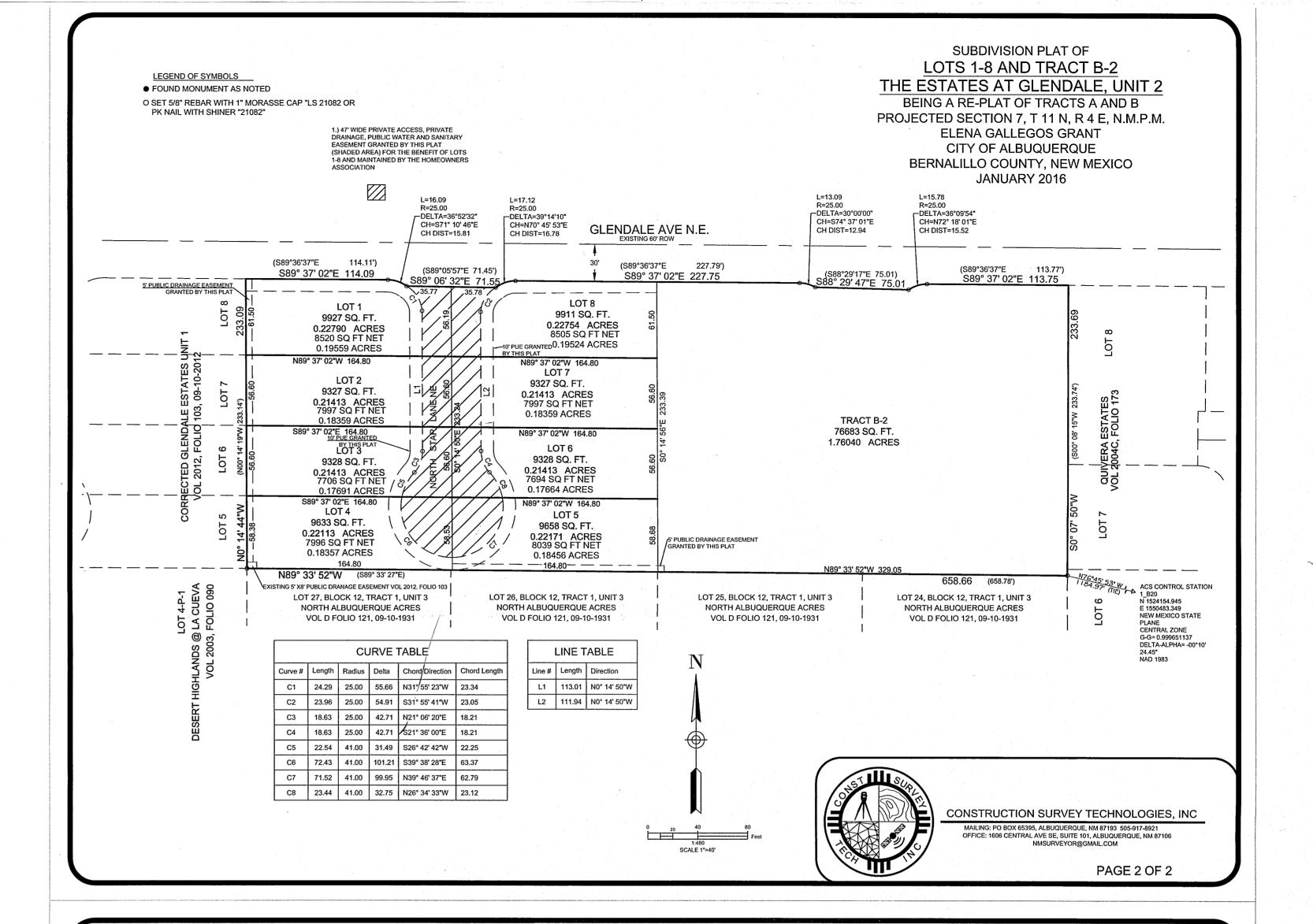
14. GROUND WATER MAY BE PRESENT WITHIN THE WORK AREA. CONTRACTOR SHALL BE AWARE THAT DEWATERING OF WORK ZONE MAY BE REQUIRED 15. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY DAMAGE TO EXISTING CURB AND GUTTER, PAVEMENT, SIDEWALK, STRIPING, AND SIGNAGE. DATE | \* 5 -25-4 APPROVED FOR CONSTRUCTION 702784

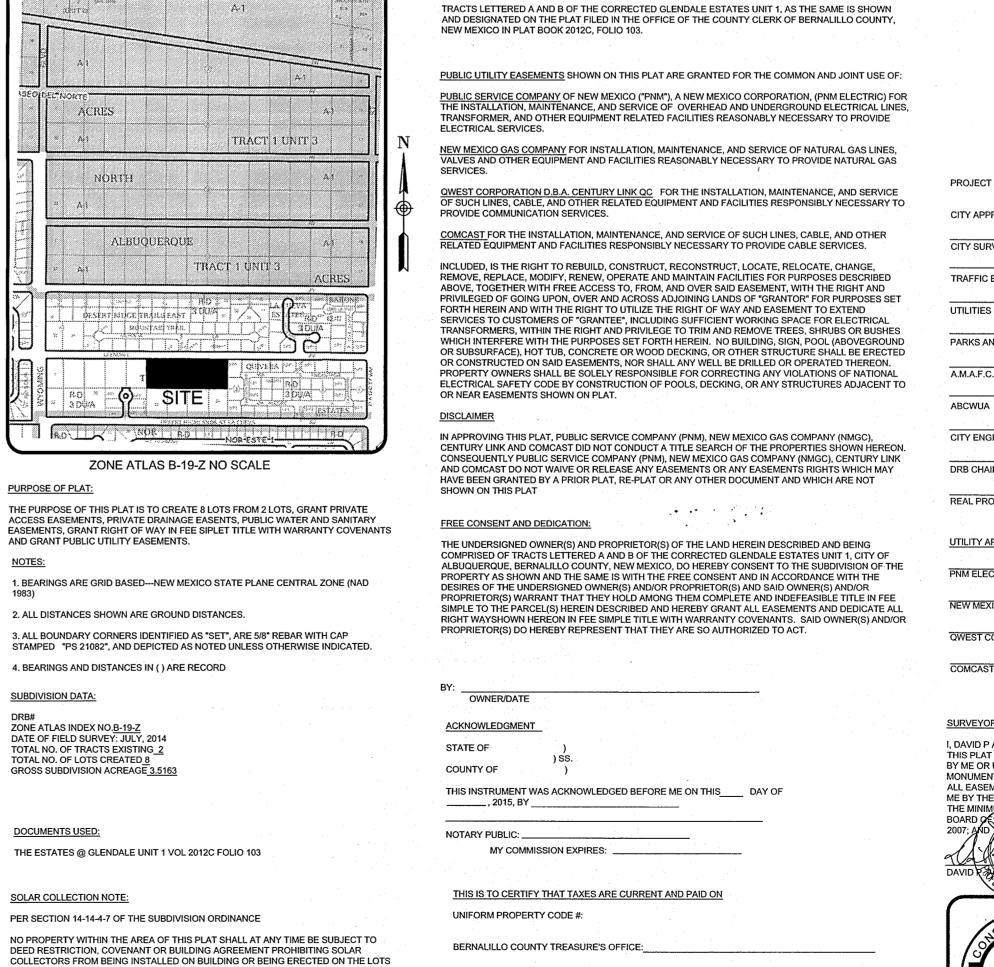
Record Drawing



RIGHT ANGLES AND ANY BROKEN OR CRACKED PAVEMENT SHALL BE REMOVED. SAW CUTTING SHALL BE CONSIDERED INCIDENTAL TO PAVING, THEREFORE, NO DIRECT PAYMENT WILL BE

For Reference only



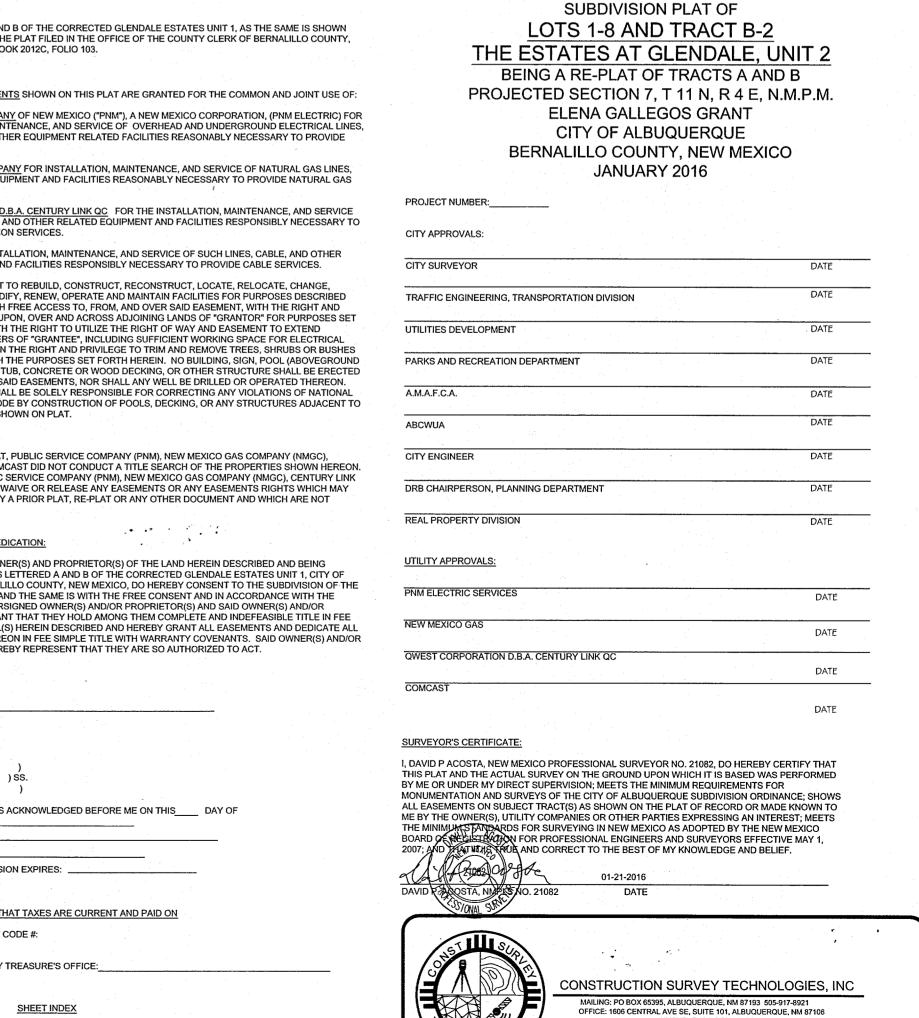


PAGE 1. COVER PAGE 2 SUBDIVISION PLAT

OR PARCELS WITHIN THE AREA OF THIS PLAT. THE FOREGOING REQUIREMENT SHALL

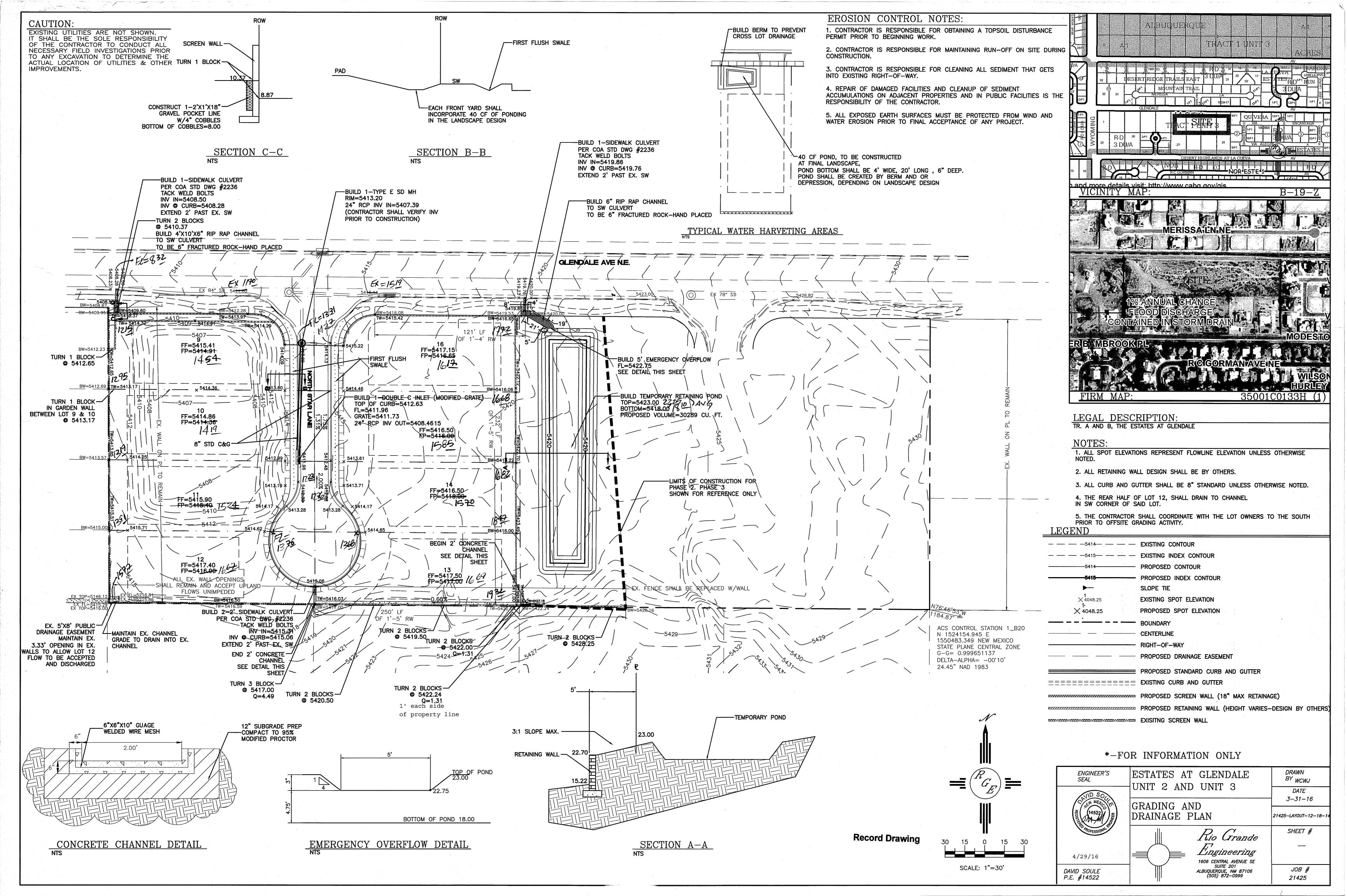
BE A CONDITION TO THE APPROVAL OF THIS PLAT.

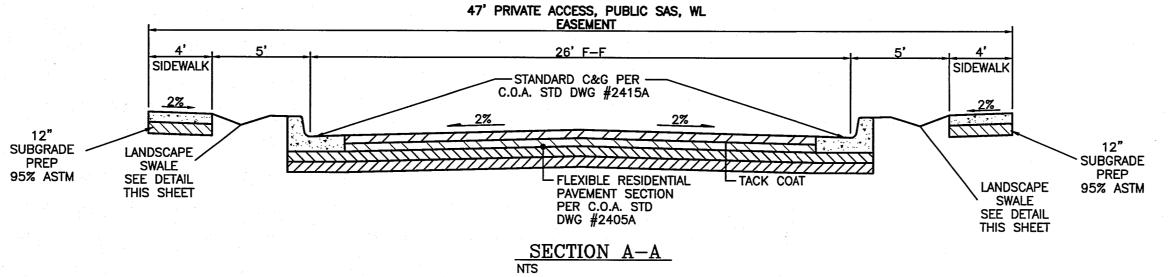
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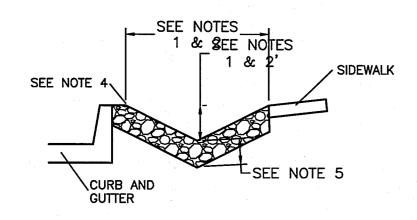


NMSURVEYOR@GMAIL.COM

PAGE 1 OF 2

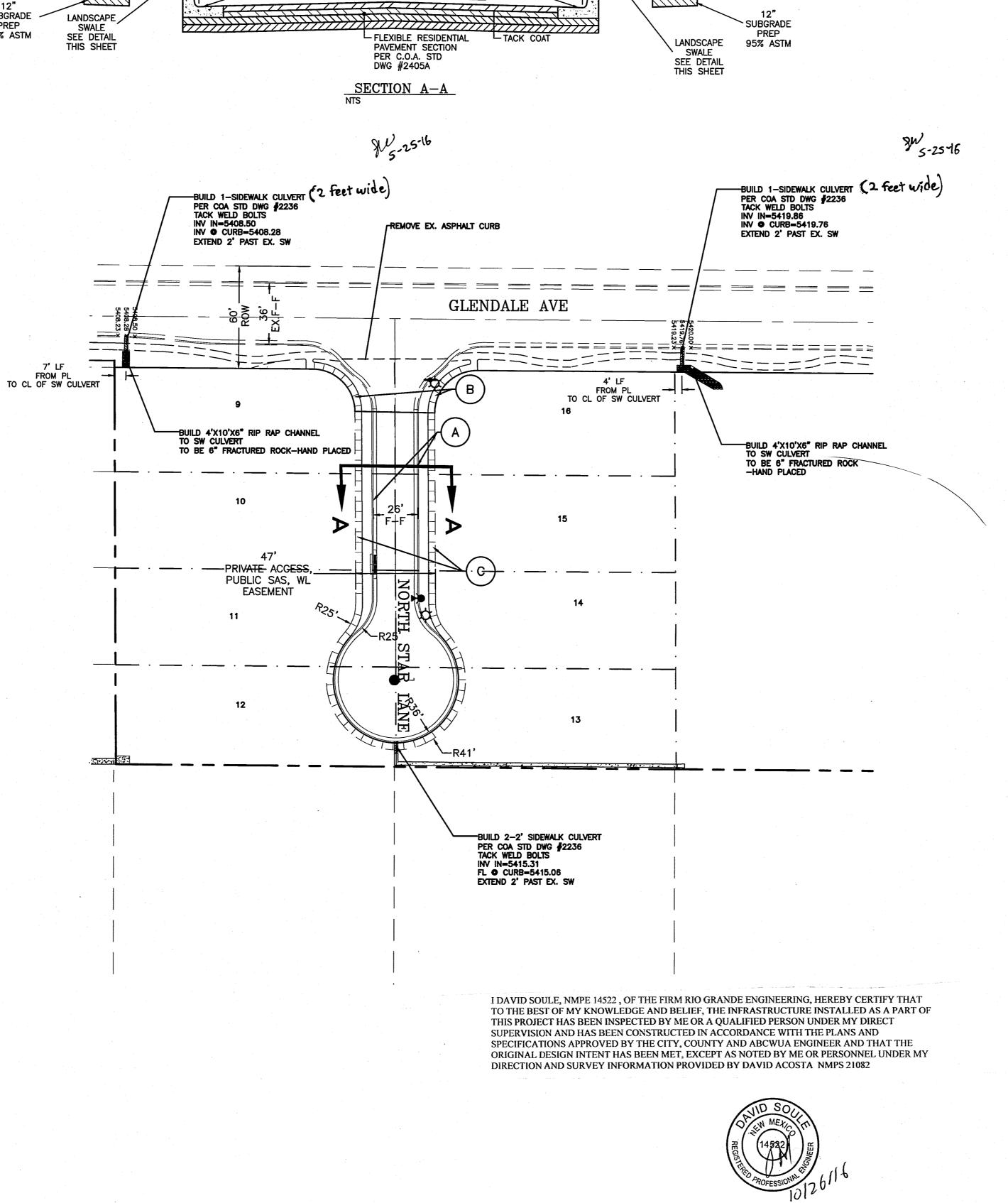






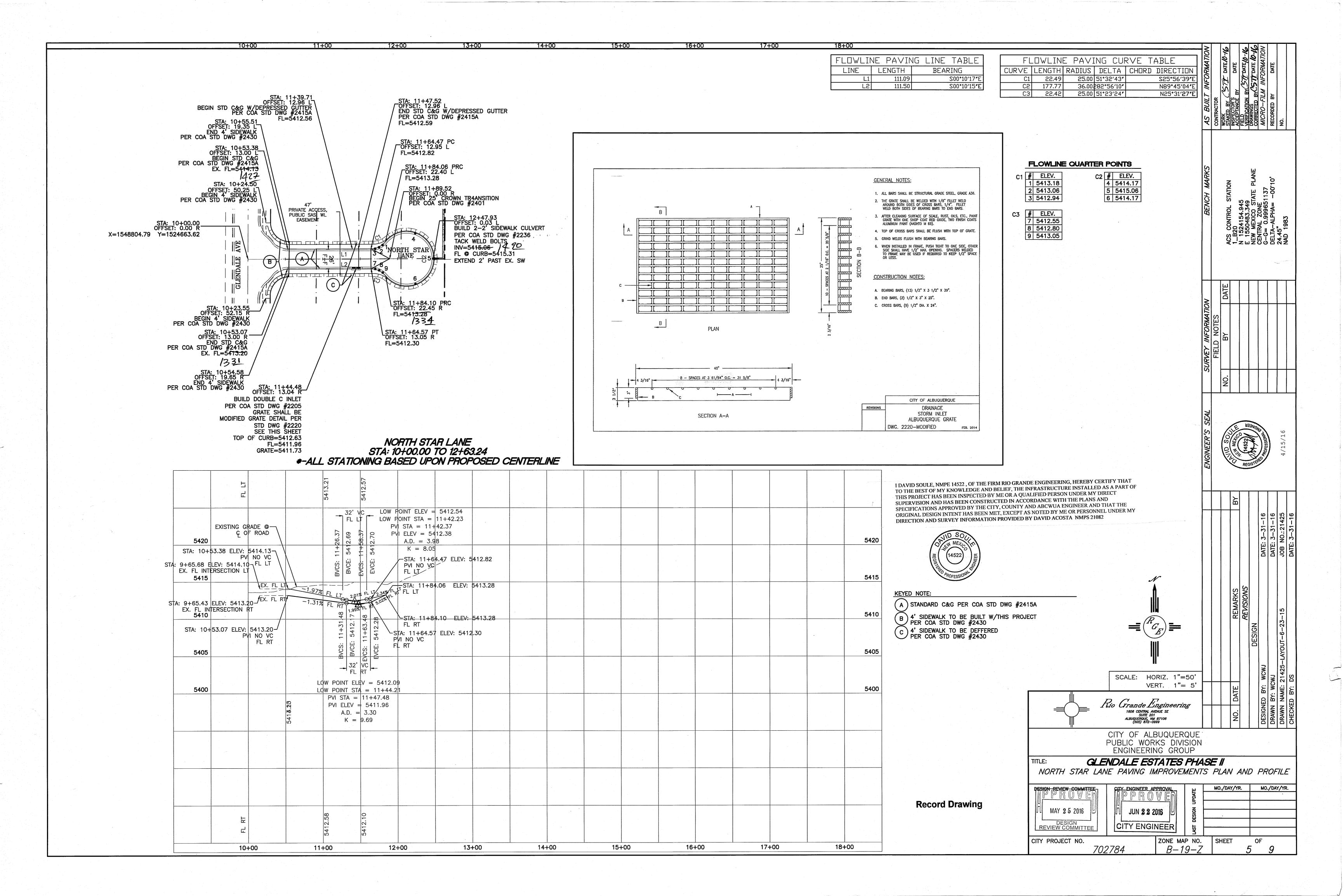
#### LANDSCAPE BUFFER SWALE DETAIL NTS

SWALE TO BE 6" DEEP WHEN THE DISTANCE BETWEEN BACK OF CURB AND THE 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 I 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 MULCH (MINIMUM %"), COBBLES OR RIP-RAP. DO NOT FILL 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 AND THE LANDSCAPE BUFFER IS IMPROVED WITH LANDSCAPING AND/OR SOME FORM OF EROSION PROTECTION, THIS REQUIREMENT DOES NOT APPLY.



LEGEND PROPOSED DBL. "C" INLET = = = = = = = EXISTING CURB & GUTTER PHASE I PROPOSED CURB & GUTTER PHASE II PROPOSED CURB & GUTTER BOUNDARY LINE --- -- EASEMENT PROPOSED 4' SIDEWALK TO BE BUILT W/THIS PROJECT E = = = = = EXISTING 4' SIDEWALK CENTERLINE RIGHT-OF-WAY STOP SIGN (R1-1-30) W/STREET NAME CONTRATOR SHALL INSTALL STOP SIGN STREET NAME WILL BE PROVIDED AND INSTALLED BY COA STREET LIGHTS PAVING NOTE 1' SUBGRADE SOIL. R-VALUE>50. PLACED IN 2-6" COMPACTED LIFTS. 95% MIN. COMPACTION, AT OPT. MOISTURE ± 2.0%, ASTM D1557, OR OPT. MOISTURE, TO +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 ACCOMMODATING THE EXISTING R-VALUE PER C.O.A. STANDARD SPECIFICATIONS. KEYED NOTE: A STANDARD C&G PER COA STD DWG #2415A/WITH TRADISITY B 4' SIDEWALK TO BE BUILT W/THIS PROJECT PER COA STD DWG #2430 C 4' SIDEWALK TO BE DEFFERED PER COA STD DWG #2430 **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. Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999 CITY OF ALBUQUERQUE PUBLIC WORKS DIVISION ENGINEERING GROUP GLENDALE ESTATES PHASE II TITLE: MASTER PAVING PLAN MO./DAY/YR. MO./DAY/YR. DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL MAY 2 5 2016 JUN 2 2 2016 DESIGN REVIEW COMMITTEE CITY ENGINEER CITY PROJECT NO. ZONE MAP NO. SHEET OF SCALE: 1"=40' 702784

**Record Drawing** 



#### NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN BERNALILLO COUNTY ROW. 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 BERNALILLO COUNTY INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986, INCLUDING UPDATE 9.

3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 260-1990, FOR LOCATION OF EXISTING UTILITIES.

4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL PERTINENT EXISTING UTILITIES, AND/OR OBSTRUCTIONS. 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 ARTERIAL STREET USE.

3. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

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

8. CONTRACTOR SHALL DETERMINE LOCATION OF ANY UNDERGROUND FACILITY IN OR NEAR WORK AREAS, INCLUDING REQUESTS TO OWNERS/OPERATORS OF SAID FACILITIES PER SECTION 62-14-5 NMSA 1978.

9. CONTRACTOR SHALL PLAN ALL EXCAVATION TO MINIMIZE INTERFERENCE OR DAMAGE OF UNDERGROUND FACILITIES.

10. CONTRACTOR SHALL PROVIDE ADVANCE TELEPHONE NOTICE OF COMMENCEMENT, EXTENT AND DURATION OF ALL EXCAVATION WORK TO THE ONE-CALL NOTIFICATION SYSTEM, OR TO OWNERS/OPERATORS OF ANY EXISTING UNDERGROUND FACILITY IN OR NEAR THE EXCAVATION AREA THAT ARE NOT MEMBERS OF THE ONE-CALL NOTIFICATION CENTER; IN ORDER THAT OWNERS/OPERATORS MAY LOCATE AND MARK UNDERGROUND FACILITY PER SECTION 62-14-5 NMSA 1978 PRIOR TO ANY COMMENCEMENT OF WORK. CONTRACTOR SHALL REQUEST REAFFIRMATION OF LOCATION EVERY TEN (10) WORKING DAYS AFTER INITIAL

11. CONTRACTOR SHALL MAINTAIN EIGHTEEN (18) INCHES BETWEEN EXISTING UNDERGROUND FACILITIES THAT HAVE BEEN PREVIOUSLY IDENTIFIED AND MARKED BY THE OWNERS/OPERATORS OF SAID FACILITIES. CUTTING EDGE OR POINT OF ANY MECHANICAL EXCAVATING EQUIPMENT UTILIZED IN EXCAVATION AREA WILL BE USED IN A MANNER NECESSARY TO PREVENT DAMAGE TO EXISTING UNDERGROUND FACILITIES.

12. CONTRACTOR SHALL PROVIDE SUPPORT FOR EXISTING UNDERGROUND FACILITIES IN OR NEAR EXCAVATION AREA AS NECESSARY TO PREVENT DAMAGE TO SAID FACILITIES.

13. CONTRACTOR SHALL BACKFILL ALL EXCAVATIONS IN A MANNER AND WITH MATERIALS AS MAY BE NECESSARY TO PREVENT DAMAGE TO AND PROVIDE RELIABLE SUPPORT DURING AND FOLLOWING BACK FILLING ACTIVITIES FOR PREEXISTING UNDERGROUND FACILITIES IN OR NEAR

14. CONTRACTOR SHALL IMMEDIATELY NOTIFY BY TELEPHONE THE OWNER/OPERATOR OF ANY UNDERGROUND FACILITY WHICH MAY HAVE BEEN DAMAGED OR DISLODGED DURING

15. CONTRACTOR SHALL NOT MOVE OR OBLITERATE MARKINGS MADE PURSUANT TO CHAPTER 62, ARTICLE 14 NMSA 1978, OR FABRICATE MARKINGS IN A UNMARKED LOCATION FOR THE PURPOSE OF CONCEALING OR AVOIDING LIABILITY FOR VIOLATION OF OR NONCOMPLIANCE WITH THE PROVISIONS OF CHAPTER 62, ARTICLE 11 NMSA 1978.

16. ELECTRONIC MARKER SPHERES (EMS) SHALL BE INSTALLED ON WATER LINE AND SANITARY SEWER LINE FACILITIES PER SECTION 170 OF THE BERNALILLO COUNTY STANDARD SPECIFICATIONS 1986 EDITION AS REVISED THROUGH UPDATE #9.

17. THE CONTRACTOR SHALL COORDINATE WITH THE WATER UTILITY AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT http://abcwua.org/water\_shut\_off\_and\_turn\_on\_procedures

18. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.6150 SUBPART P.

19. ALL IMPACTED STRIPING SHALL BE REPLACED BY CONTRACTOR.

20. MANHOLE STEPS SHALL NOT BE INSTALLED IN SANITARY SEWER MANHOLES.

21. ALL WATER METER COVERS AND LIDS SHALL BE PER COA STD DWG #2368, 2366. 22. ALL MANHOLES AND VALVES SHALL HAVE GPS INFORMATION RECORDED AS PART OF AS BUILT PLAN SET.

23. CONTRACTOR IS RESPONSIBLE AT ITS OWN COST FOR ANY DAMAGE TO EXISTING UTILITIES.

THE FOLLOWING TABLES WERE CREATED USING EBAA IRON INC.

SOFTWARE FOR RESTRAINING JOINTS WITH THESE CRITERIA: DEPTH OF BURY: 3.0' MINIMUM

SAFETY FACTOR: 1.5 TO 1

PIPE MATERIAL:

CONSTRUCTION.

GM/SM-SILTY GRAVEL/SILTY SAND, GRAVEL-SAND MIXTURES

TEST PRESSURE: 150 PSI TRENCH TYPE 4: PIPE BEDDED IN SAND, GRAVEL OR CRUSHED STONE TO 1/8 PIPE DIAMETER, 4" MINIMUM; BACKFILL COMPACTED TO TOP OF PIPE.

THESE LENGTHS WILL BE AFFECTED IF THE TYPE OF MATERIAL, GREATER DEPTH OF BURY, ETC. CHANGES. THESE MUST BE RECALCULATED BY THE DESIGN ENGINEER PRIOR TO

RES	RESTRAINED JOINT LENGTHS FOR TEES*						
CIZE	LENGTH ALONG RUN**						
SIZE	5	4'	3'	2'	1'	0'	
12x12x12	75	80	86	91	97	102	
12x12x10	54	61	67	74	80	87	
12x12x8	32	40	48	56	64	72	
12x12x6	2	12	23	- 34	45	55	
12x12x4	1	1	1	8	24	39	
10x10x10	60	65	74	76	81	87	
10x10x8	39	45	52	59	66	72	
10x10x6	<u>†</u> 11	20	29	38	46	55	
10x10x4	· 1	1	1	14	26	39	
8x8x8	46	51	57	62	67	72	
8x8x6	21	28	34	41	48	55	
8x8x4	∫ 1	1	9	19	29	39	
6x6x6	29	34	40	45	50	55	
8x8x4	. 1	9	16	24	32	39	

\*RESTRAINTS ONLY PLACED ON THE BRANCH \*\*LENGTH ALONG RUN REFERS TO THE LENGTH OF PIPE ON EITHER SIDE OF THE TEE BEFORE THE NEXT JOINT.

٠.						
	RESTRAINED JOINT LENGTHS FOR HORIZONTAL BENDS, VALVES, AND DEAD ENDS (EACH SIDE)					
HORIZONTAL BENDS				VALVES		
	SIZE	90.	45°	22-1/2	11-1/4	DEAD END
	12	· 37	15	8	4	102
	10	31	13	7	4	87
	8	27	11	6	3	72
	6	20	9	4	2	- 55
	4	15	6	3	2	39

THE FOLLOWING TABLES WERE CREATED USING EBAA IRON INC. SOFTWARE FOR RESTRAINING JOINTS WITH THESE CRITERIA:

DEPTH OF BURY: 3.0' MINIMUM

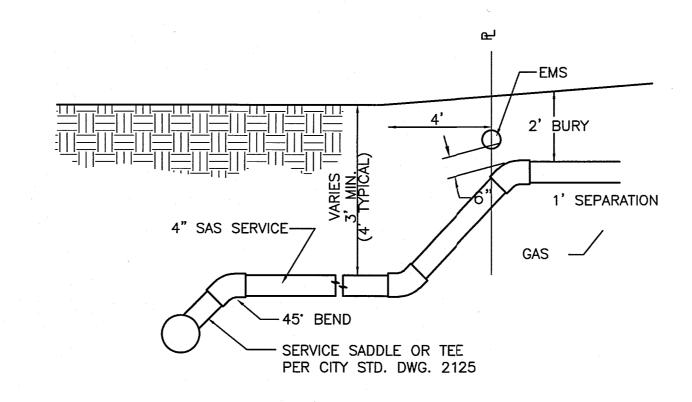
SAFETY FACTOR: 1.5 TO 1

PIPE MATERIAL: SOIL TYPE:

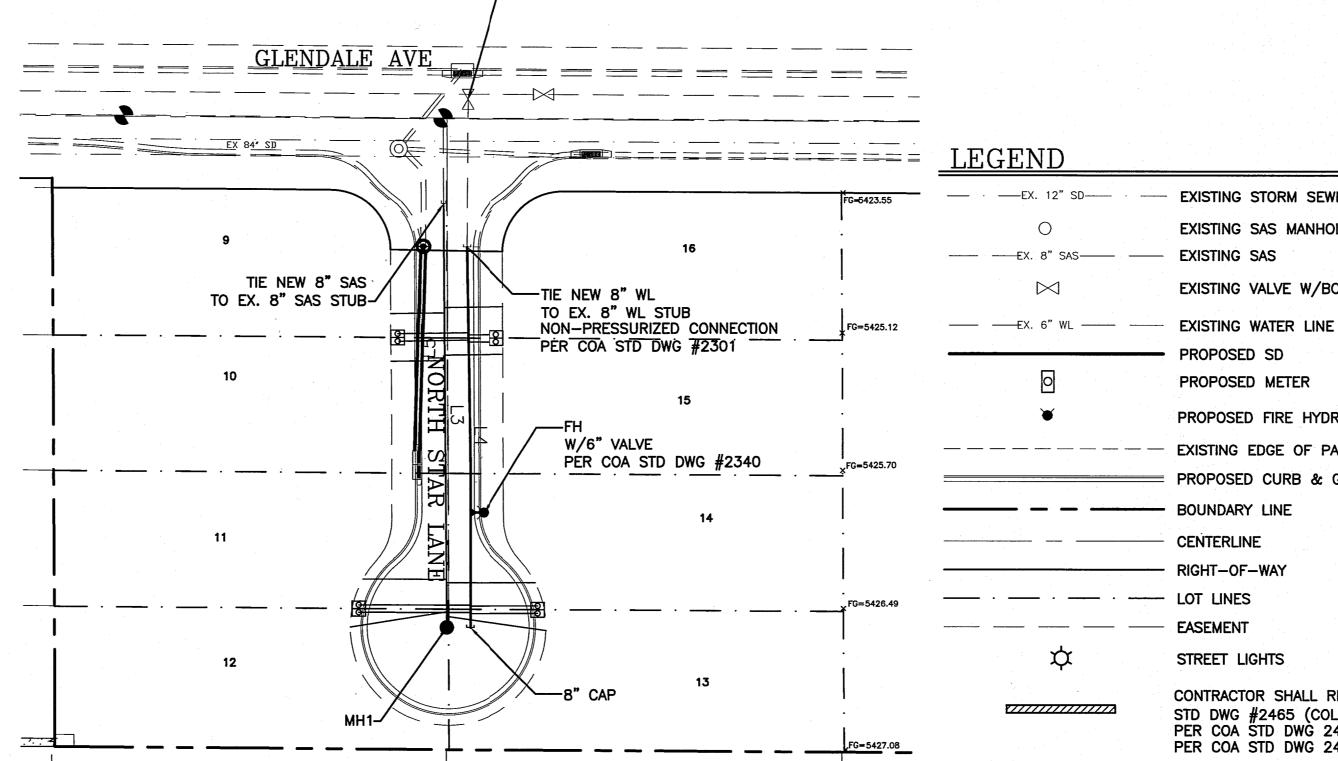
GM/SM-SILTY GRAVEL/SILTY SAND, GRAVEL-SAND MIXTURES TEST PRESSURE: 150 PSI TRENCH TYPE 4: PIPE BEDDED IN SAND, GRAVEL OR CRUSHED STONE TO 1/8 PIPE DIAMETER, 4" MINIMUM; BACKFILL COMPACTED

TO TOP OF PIPE. THESE LENGTHS WILL BE AFFECTED IF THE TYPE OF MATERIAL, GREATER DEPTH OF BURY, ETC. CHANGES. THESE MUST BE RECALCULATED BY THE DESIGN ENGINEER PRIOR TO

RESTRAINED JOINT LENGTHS FOR VERTICAL OFFSETS/BENDS (EACH SIDE)						
SIZE		HORIZONTAL BENDS				
		90.	45*	22-1/2	11-1/4	
12	UPPER LOWER	DON'T USE	42 10	21 5	11 3	
10	UPPER LOWER	DON'T USE	36 9	14 8	9	
8	UPPER LOWER	DON'T USE	30 7	15 4	8 2	
6	UPPER LOWER	DON'T USE	23 6	11 3	6 2	
4	UPPER LOWER	DON'T USE	17 4	8 2	4	



#### TYP. SANITARY SYSTEM SERVICE CONNECTION -SHUT OFF VALVE



\_\_\_ VAVLE #1116 REMOVE & REPLACE TO SY EXISTING AC PAYING PER CITY STD DING 2465 PREMOVE & REPLACE 5 SY EXISTING AC PAYING PER CITY STD DING 2465 MODEL & DEPOSED POSTOR & PETALE IT ST.

POSTOR A ST. ST.

THE A ST. ST.

GEROGALE AVE. M.E.

GEROGALE AVE. M.E.

MET J.

POSTOR & PANCE PS.

GEROGALE AVE. M.E.

GEROGALE AVE. M.E. The contractor shall coordinate with the Water Authority seven (7) days in advance of performing work that will affect the public water or sanitary sewer infrastructure. Work requiring shutoff of facilities designated as Master Plan facilities must be coordinated with the Water Authority 14 days in

advance of performing such work. Only Water Authority crews are authorized to operate public valves. Shutoff requests must be made online at <a href="http://abcwua.org/content/view/483/729/">http://abcwua.org/content/view/483/729/</a>

ACS CONTROL SI 1\_B20 N 1524154.945 E 1550483.349 NEW MEXICO STA CENTRAL ZONE G-G= 0.999651 DELTA-ALPHA= -24.45"

PROPOSED SD PROPOSED METER PROPOSED FIRE HYDRANT EXISTING EDGE OF PAVEMENT PROPOSED CURB & GUTTER BOUNDARY LINE CENTERLINE RIGHT-OF-WAY --- LOT LINES STREET LIGHTS CONTRACTOR SHALL REMOVE AND REPLACE PAVING PER COA STD DWG #2465 (COLLECTOR). CONTRACTOR SHALL REMOVE AND REPLACE STD C&G PER COA STD DWG 2415A. CONTRACTOR SHALL REMOVE AND REPLACE SW PER COA STD DWG 2430.—REMOVE TO NEAREST JOINT, MATCH FL ELEVATIONS

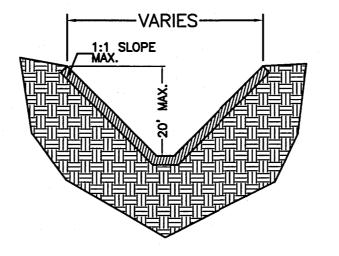
-EX. 12" SD--- EXISTING STORM SEWER LINE

 $\bowtie$ 

EXISTING SAS MANHOLE

EXISTING VALVE W/BOX

I DAVID SOULE, NMPE 14522, OF THE FIRM RIO GRANDE ENGINEERING, HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFRASTRUCTURE INSTALLED AS A PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR A QUALIFIED PERSON UNDER MY DIRECT SUPERVISION AND HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE CITY, COUNTY AND ABCWUA ENGINEER AND THAT THE ORIGINAL DESIGN INTENT HAS BEEN MET, EXCEPT AS NOTED BY ME OR PERSONNEL UNDER MY DIRECTION AND SURVEY INFORMATION PROVIDED BY DAVID ACOSTA NMPS 21082.

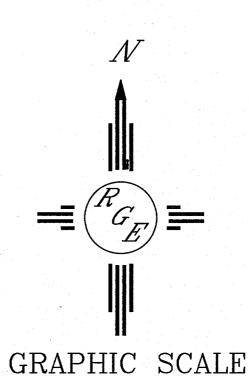


SUPPLEMENTAL TRENCH DETAIL

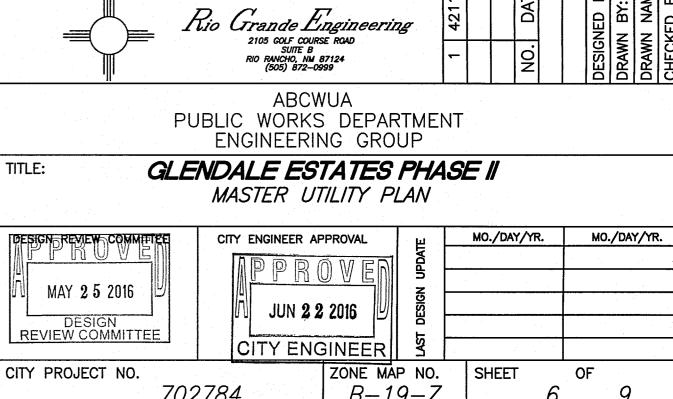
NTS-PER FIGURE V:2-13 OSHA STANDARD SPECIFICATIONS NOTE: ENTIRE TRENCH PRISM SHALL BE COMPACTED AT 95% ASTM D1557 INCLUDING ALL UTILITY MAIN LINES, WATER METER BOXES AND SERVICES, SAS SERVICES.

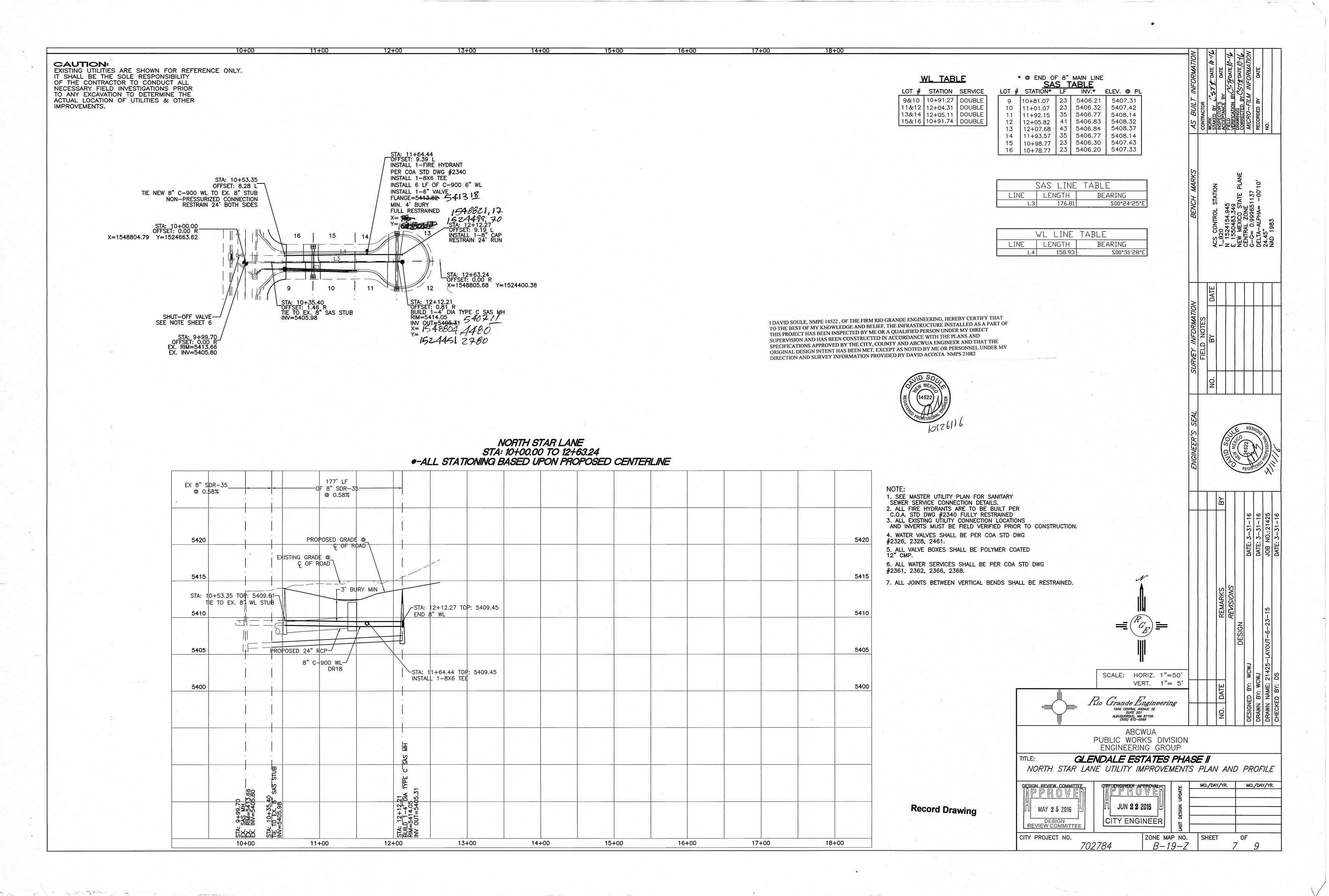


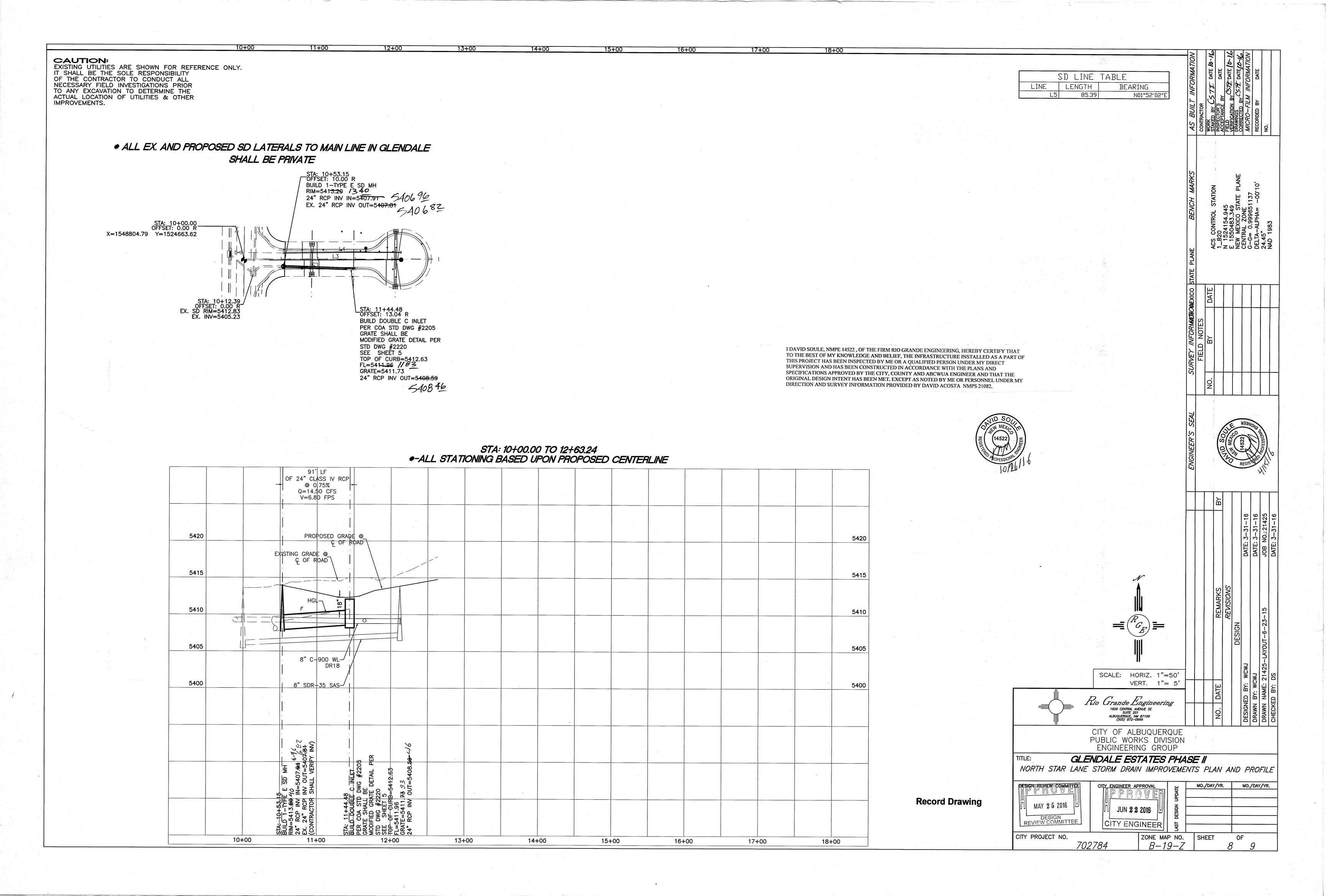
Record Drawing

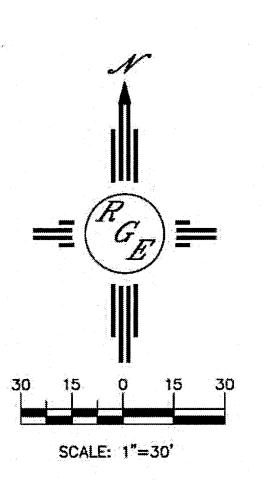


SCALE: 1"=40'









TURN 1 BLOCK —

BUILD FIRST FLUSH POND TOP=5413.00 BOTTOM=5412.50 VOLUME=92 CU. FT.

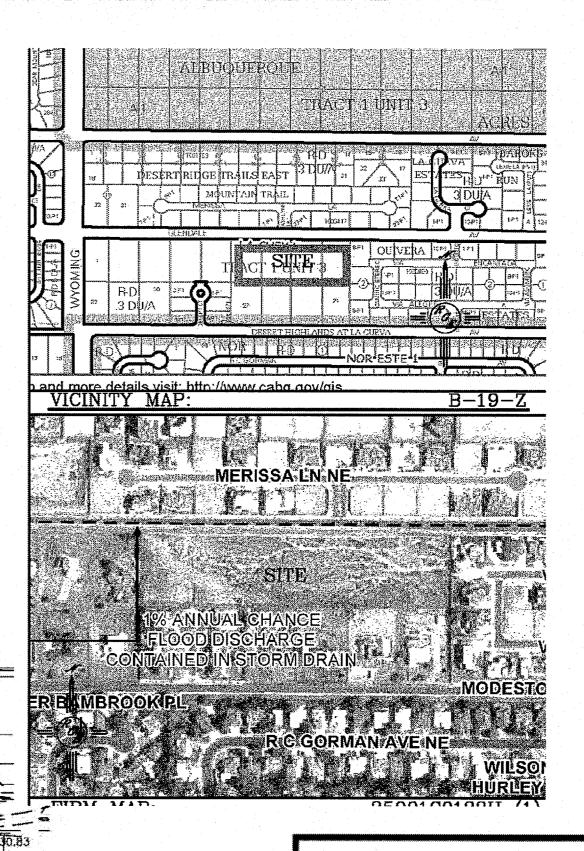
BUILD FIRST FLUSH POND TOP=5414.00 BOTTOM=5413.50 VOLUME=92 CU. FT.

FF=5415.41 FP=5414.91

FF=5414.86

**Existing Tempory** 

Pond to be filled in



18" RCP INV OUT=5417.35

7 23 FF=5429.94 FF=5429.44

BW=5427.94

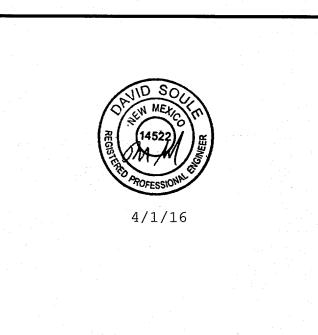
. 5' FROM -PL DUE TO EX. RW HEIGHT

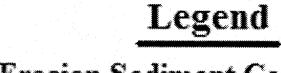
CLENDALE AVE NE

BUILD TEMPORARY RETAINING POND TOP=5423.00 BUTTOM=5418.00 BROPOSED VOLUME=30289 CU. FT.



### **Engineer Stamp**





#### **Erosion Sediment Control Plan**

- PB Project Perimeter & Disturbed Area
- Silt Fence
- Block Wall
- RW Retaining Wall
- Pre Flow
- **Retention Pond**
- **Outfall**
- Posting Sign
- Staging Area
- Stabilized Construction Entrance
- Trash Receptacle
- **Chemical Toilet**
- Concrete Washout
- **Proposed Storm Inlet Protection**
- **Existing Storm Inlet Protection**

## **Estates at Glendale Unit 2**

Receiving Waters and Critical Habitat: Rio Grande is located 5.3 miles to the West.

Record Drawing | Impairments: E. coli, Dissolved Oxygen, PCBs

Grade: Before and After 1.31% to 2%

BUILD FIRST FLUSH POND TOP=5415.00 BOTTOM=5414.50 VOLUME=92 CU. FT.  BUILD FIRST CHAN SEE DETAIL  12  13  FF=5417.50 FP=5416.90  FF=5417.50 FF=	NEL \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\		
MAINTAIN EX.—  MAINTAIN EX.—  MAINTAIN EX.—  MAINTAIN EX.—  SEE DETAIL THIS SHEET  TURN 5 BLOCK—  5424  5417.75  Q=4.49  TURN 5 BLOCK—  5422.  Q=4.49			
	Note:		
5' ————————————————————————————————————	When connecting to the drop		
5:1 SLOPE MAX. 20.08	inlet on Glendale Ave NE. have		
5:1 SLOPE MAX. 20.08	inlet protection in place.		
RETAINING WALL 19.28 FILE THE THE THE THE THE THE THE THE THE TH	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		
SECTION A-A	should be swept every few days		
	or the same day if rain is		

imminent.

-BUILD 1-BOUBLE A INLET (MODIFIED GRATE)

GRATE=5411.96

24" RCP INV OUT=5408.46

in Fish Tissue, Water Temperature

Sheet 9 of 9