

APPROVED AS RECORD DRAWING
DESIGN REVIEW SECTIONS
CITY CONSTRUCTION ENGINEER

DATE: 5/11/2019

The vicinity map shows the proposed site location within the North Albuquerque Acres Tract 2. The site is located in the center of the tract, bounded by North Interstate 25 to the west and North Albuquerque Acres Tract 1 to the east. The map includes street names like Albuquerque, Oaklands, and Sonora, and shows the proposed site area with a dashed line and a north arrow.

NOTICE TO CONTRACTORS

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION (UPDATE #8, AMENDMENT 1).
2. ALL ROAD IMPROVEMENTS AND RELATED WORK DETAILED ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION (UPDATE #8, AMENDMENT 1).
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
4. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES 24-HOUR CONSTRUCTION.
5. 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.
6. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO(2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE COA CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPANCY AN INTERSECTION. REFER TO STANDARD SPECIFICATIONS.
7. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OR 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 CONTRACTORS EXPENSE.
8. DEVELOPER SHALL PROVIDE STREET NAME SIGNS, STOP SIGNS, AND ANY NECESSARY STRIPING FOR PRIVATE STREETS.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, BUT NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIAL.
10. CONTRACTOR SHALL REPLACE ALL PERMANENT PAVING STRIPES AND MARKINGS (INCLUDING IMPACTED (X) MARKINGS) THAT THE ROAD SHOULD BE RETURNED TO THE TRAFFIC UNTIL IT IS STRIPED, STRIPING, PAVEMENT MARKINGS (INCLUDING CROSSWALKS, ARROWS, AND LINE MARKINGS ARE TO BE CONSTRUCTED OF HOT PLASTIC OR COLD PLASTIC IN ACCORDANCE WITH THE MUTCD.
11. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNS UNTIL PROJECT HAS BEEN ACCEPTED BY THE COA.
13. WHEN ABUTTING NEW PAVEMENT TO THE EXISTING INTERSECTING STREETS THE EXISTING PAVEMENT SHALL BE SAW CUT TO A STRAIGHT LINE AT 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 MADE FOR SAW CUTTING.
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 SINGAGE.

8 THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.

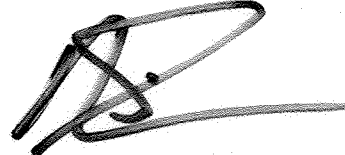
☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.

☐ 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.

DRB# 1002848

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

REV		SHEETS		CITY ENGINEER		DATE		USER DEPT.		DATE		USER DEPT.		DATE	
ENGINEERS STAMP & SIGNATURE						APPROVALS		ENGINEER		DATE		*****			
						DRC Chairman		<i>Don Williams</i>		7-30-13		APPROVED FOR CONSTRUCTION			
						Transportation		<i>Don Williams</i>		7-25-13					
						Hydrology		<i>Don Williams</i>		7-21-13					
						ABCWUA		<i>Tim Spruce</i>		7-20-13					
						Constr. Mngmt.									
						Constr. Coord.									
Water/Wastewater															
															
CITY PROJECT NO.						692482						SHEET 1 OF 9			

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.

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.

AS BUILT GRATES
A. 5214.01 (INV - 9.75)
B. 5214.07 (INV - 9.10)
C. 5214.49 (INV - 9.45)
D. 5215.06 (INV - 8.45)

TOP OF HEADER WALL=5215.75
FL=5213.50
8" WIER OPENING IN CURB
INV=5213.00
TOP=5215.75

INSTALL STORMTEC #4
CHAMBER - SEE SHEET
FOR SPECIFICATIONS
REQUIRED VOLUME=1600 CU. FT.

PARKING LOT
DETENTION AREA
MWSL=5214.99

LOT 14-A, BLOCK 10
TRACT A, UNIT 8
NORTH ALBUQUERQUE ACRES
FD. 5/12/2004
BK. 2004C, PG. 181
OWNER: OMEGA AUTOMOTIVE
REAL ESTATE LTD

INSTALL STORMTEC #1
CHAMBER - SEE SHEET
FOR SPECIFICATIONS
REQUIRED VOLUME=14500 CU. FT.

LOT 21-A, BLOCK 10
TRACT A, UNIT 8
NORTH ALBUQUERQUE ACRES
FD. 5/12/2004
BK. 2004C, PG. 181
OWNER: OMEGA AUTOMOTIVE
REAL ESTATE LTD

INSTALL 1- NYLOPLAST INSERTATEE
INV=5219.48

1-TYPE C INLET
GRATE=5225.40
INV=5224.60

5225.07
5217.02

BUILD 1-4" DIA TYPE C SD MH
RIM=5205.75
INV=5205.75
TOP OF BAFFLE @ 5208.25
SEE DETAIL THIS SHEET

INSTALL STORMTEC #2
CHAMBER - SEE SHEET
FOR SPECIFICATIONS
REQUIRED VOLUME=9200 CU. FT.

1-SINGLE D INLET
GRATE=5209.38
W INV=5206.00
E INV=5205.59

5211.89
5203.14
5202.34

FF=5230.00
FP=5229.50
ROOF BASIN A

1-SINGLE D INLET
FOR TANK OVERFLOW
GRATE=5226.90
INV=5223.50

5226.30
5216.30

BENCH MARK INFORMATION

Elevations shown hereon are referenced to Albuquerque Geographic Reference System Station "10-C18". Published elevation of station is 5222.09 ft., NAVD 1988 datum. NM State
Plain coordinates: N=1,524,123.885, E=1,542,565.263, NAD 1983 Datum.

LEGAL DESCRIPTION:

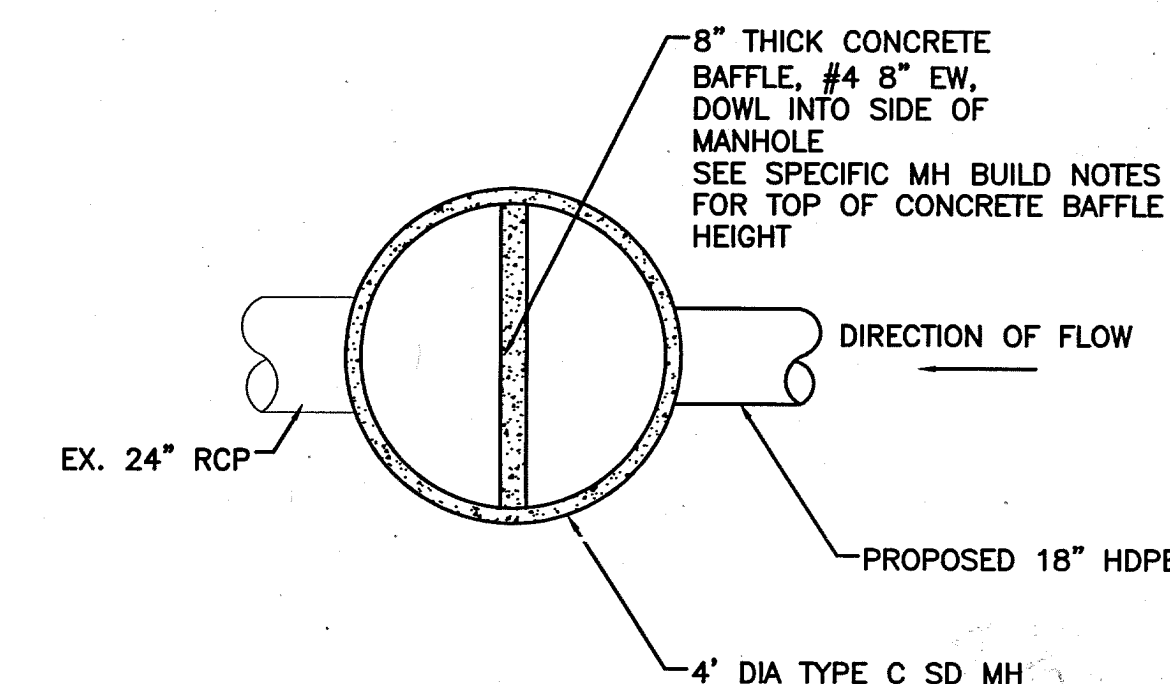
TRACT A-1-A, AMERICAN TOYOTA SUBDIVISION

NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL CURB AND GUTTER TO 6" HEADER UNLESS OTHERWISE NOTED.
3. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. ALL LANDSCAPE MEDIANS WILL BE DEPRESSED 8" FROM FLOW LINE AND 1' CURB OPENING PROVIDED ON THE HIGH SIDE, FOR WATER QUALITY.
5. ALL STORM DRAIN NOT LABELED ON PLAN SHALL BE 12" HDPE.
6. ALL STORMTEC MANIFOLDS SHALL BE 24".

LEGEND

- 5414 --- EXISTING CONTOUR
- 5415 --- EXISTING INDEX CONTOUR
- 5414 --- PROPOSED CONTOUR
- 5415 --- PROPOSED INDEX CONTOUR
- 5415 --- SLOPE TIE
- 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
- PROPOSED RETAINING WALL
- LIMITS OF FLOODPLAIN



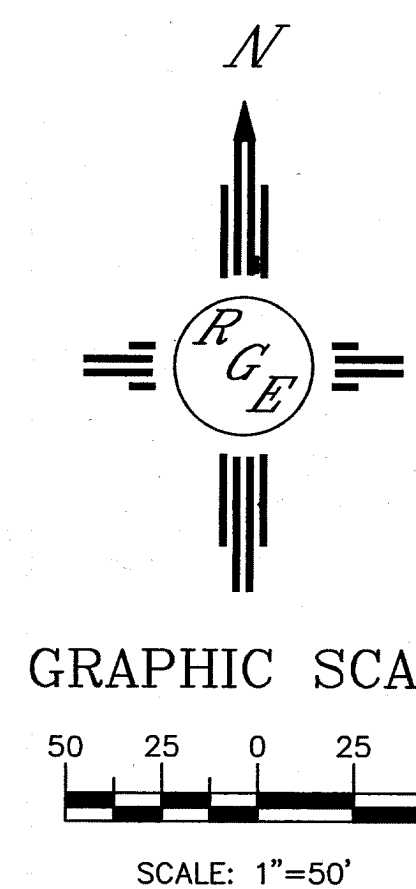
CONCRETE BAFFLE DETAIL IN MH
NTS

As built Information Record Drawing



4/6/2018

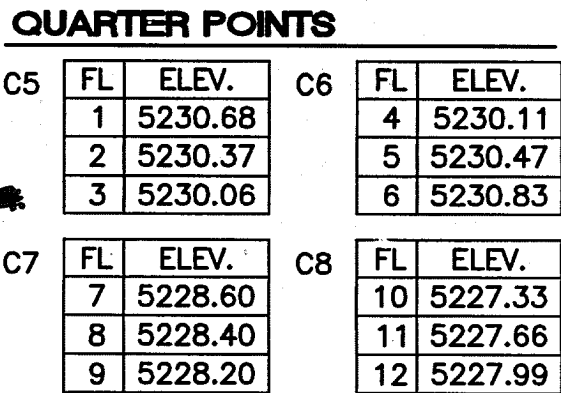
Larry E. Lintola



ROUGH GRADING APPROVAL

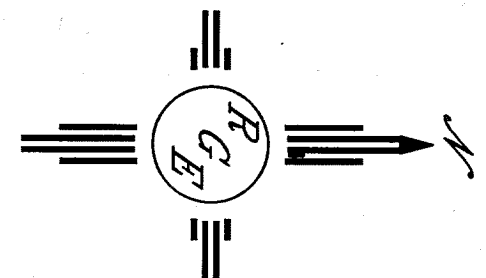
DATE

ENGINEER'S SEAL For Reference only DAVID SOULE NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 14522	AMERICAN TOYOTA GRADING AND DRAINAGE PLAN Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	DRAWN BY WCWJ DATE 7-22-15 21403-LAYOUT-1-25-14 SHEET # JOB # 21403
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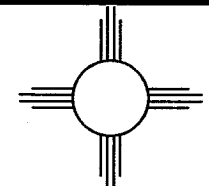


AS BUILT INFORMATION	
CONTRACTOR	
WORK STAKED BY	DATE
INSPECTOR'S CHANGE BY	DATE
FIELD	DATE
VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

Elevations shown hereon are referenced to Albuquerque Geographic Reference System Station "10-C18".
Published elevation of station is 5222.09 ft., NAVD 1988 datum. NM State
Plain coordinates: N=1,524,123.885, E=1,542,565.263, NAD 1983 Datum.

[illegible][illegible]A circular professional engineer seal for David Soule, New Mexico, No. 14522. The seal features the name "DAVID SOULE" at the top, "NEW MEXICO" below it, and the number "14522" in the center. The words "REGISTERED PROFESSIONAL ENGINEER" are written around the bottom half of the circle. A signature is scrawled across the bottom of the seal.

SCALE: HORIZ. 1"=50'



Rio Grande Engineering
1606 CENTRAL AVENUE SE
SUITE 201
ALBUQUERQUE, NM 87106
(505) 872-0000

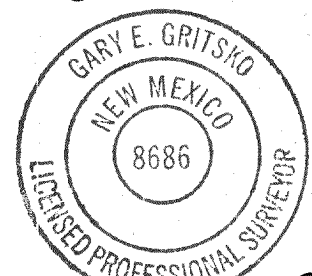
ABCWUA & CITY OF ALBUQUERQUE
PUBLIC WORKS DIVISION
ENGINEERING GROUP

TITLE: **AMERICAN TOYOTA**
SAN PEDRO STRIPING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED JUL 30 2015 DESIGN REVIEW COMMITTEE	APPROVED AUG 01 2015 CITY ENGINEER			

CITY PROJECT NO. 692482	ZONE MAP NO. C-18-Z	SHEET 4	OF 9
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As built information



Harry E. Lintels
4/6/2018

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 8, AMENDMENT #1.
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.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.
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 REQUEST.
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 EXCAVATION AREA.
14. CONTRACTOR SHALL IMMEDIATELY NOTIFY BY TELEPHONE THE OWNER/OPERATOR OF ANY UNDERGROUND FACILITY WHICH MAY HAVE BEEN DAMAGED OR DISLODGED DURING EXCAVATION WORK.
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 #8, AMENDMENT 1.
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 METERS SHALL INCLUDE DUAL CHECK VALVE SETTERS.
22. ALL WATER METER COVERS AND LIDS SHALL BE PER COA STD DWG #2368.
23. ALL MANHOLES AND VALVES SHALL HAVE GPS INFORMATION RECORDED AS PART OF AS BUILT PLAN SET.
24. CONTRACTOR IS RESPONSIBLE AT ITS OWN COST FOR ANY DAMAGE TO EXISTING UTILITIES.

LEGEND

- EX. 12" SD — EXISTING STORM SEWER LINE
- EX. 8" SAS — EXISTING SAS MANHOLE
- EX. 6" WL — EXISTING VALVE W/BOX
- PROPOSED SD — EXISTING WATER LINE
- PROPOSED METER — PROPOSED METER
- PROPOSED FIRE HYDRANT — PROPOSED FIRE HYDRANT
- EXISTING EDGE OF PAVEMENT — EXISTING EDGE OF PAVEMENT
- PROPOSED CURB & GUTTER — PROPOSED CURB & GUTTER
- BOUNDARY LINE — BOUNDARY LINE
- CENTERLINE — CENTERLINE
- RIGHT-OF-WAY — RIGHT-OF-WAY
- LOT LINES — LOT LINES
- EASEMENT — EASEMENT
- STREET LIGHTS — 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

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 GARY GRITSKO NMPS 8686



4/22/18



4/6/2018

David Soule

Record Drawing

GRAPHIC SCALE



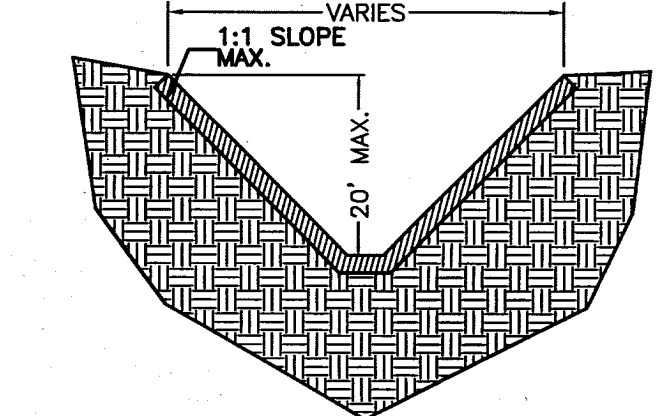
SCALE: 1"=60'

WATER SHUTOFF NOTES:

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 <http://abcwua.org/content/view/full/463729>

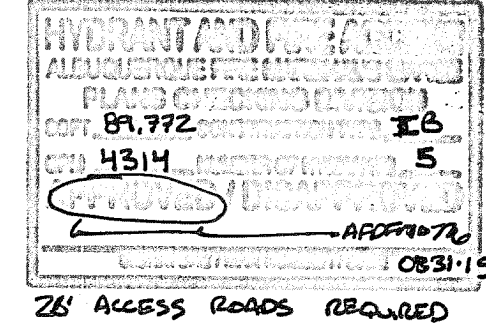
SHUTOFF VALVE-38
SHUTOFF VALVE-91
SHUTOFF VALVES-193, 451, 452

WATER SHUTOFF NOTES: 193, 451, 452

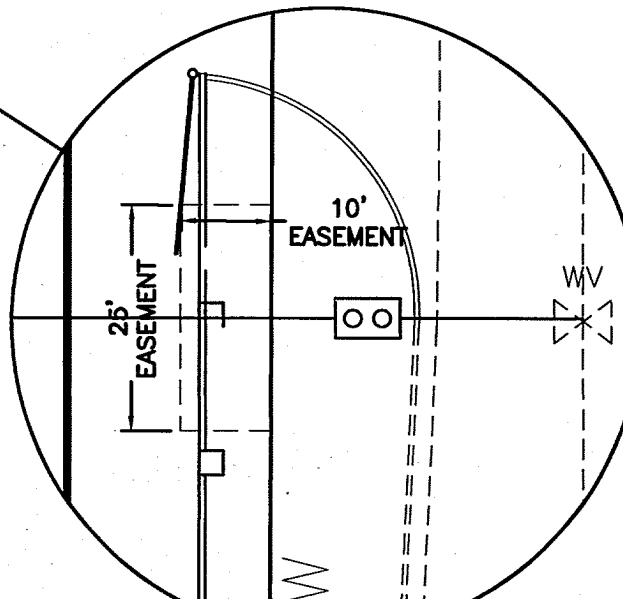


SUPPLEMENTAL TRENCH DETAIL

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.



28' ACCESS ROADS REQUIRED



EASEMENT BLOWUP (TO BE GRANTED BY PAPER EXHIBIT)

NTS

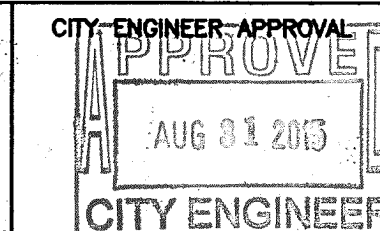
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RG



ABCWUA & CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: AMERICAN TOYOTA MASTER UTILITY PLAN



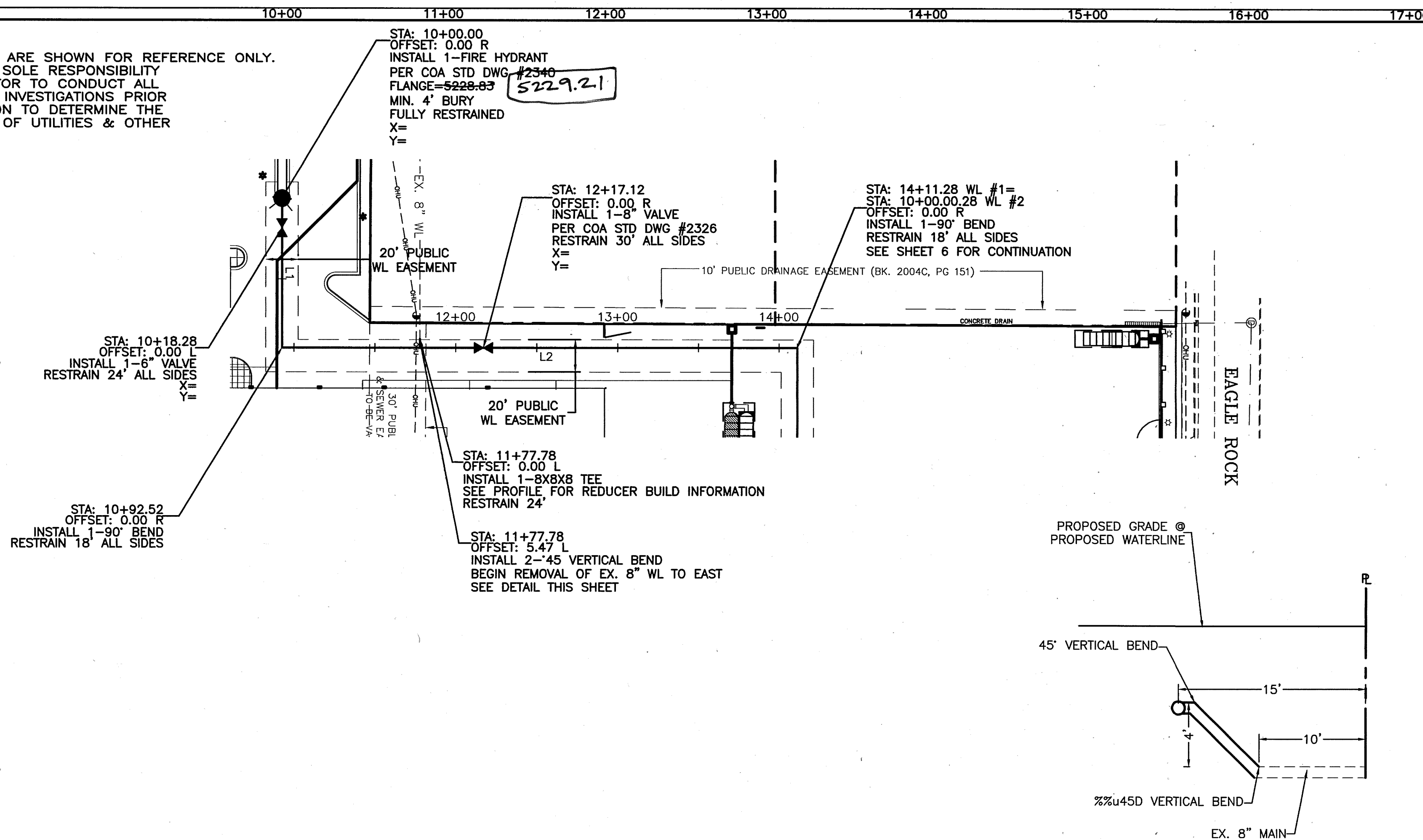
DESIGN/REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED JUL 20 2013 DESIGN REVIEW COMMITTEE	APPROVED AUG 01 2013 CITY ENGINEER		

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
692482	C-18-Z	5	9

AS BUILT INFORMATION	BENCH MARKS	SURVEY INFORMATION	ENGINEER'S SEAL
DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE

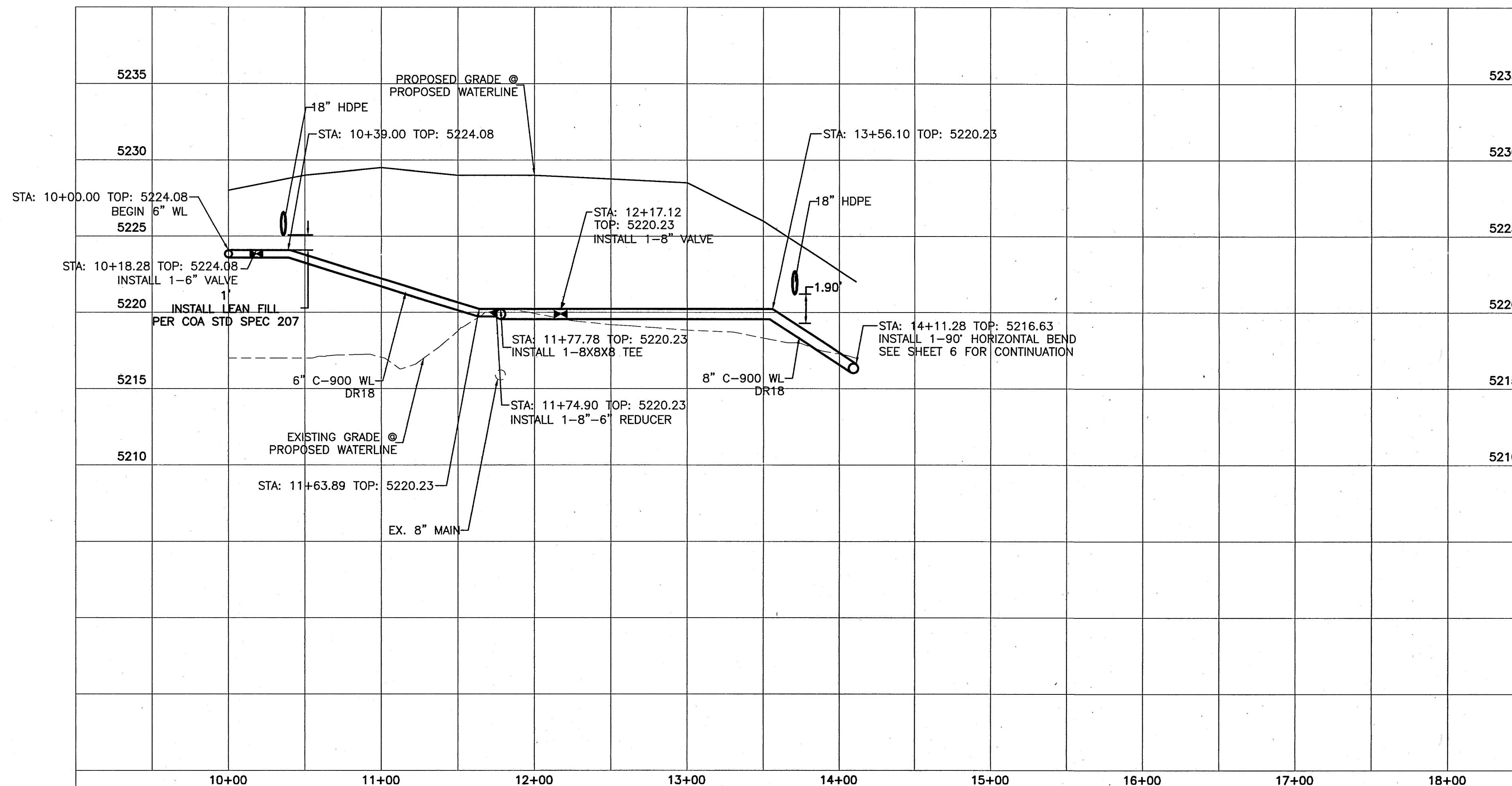
Elevations shown hereon are referenced to Albuquerque datum. Published elevation of station is 5222.09 ft. NAVD 1988 datum. NM State Plane, NAD 83, Zone 12N, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 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1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 197

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



WATERLINE #1
STA: 10+00.00 TO 14+11.28
***-ALL STATIONING BASED UPON PROPOSED WATERLINE**

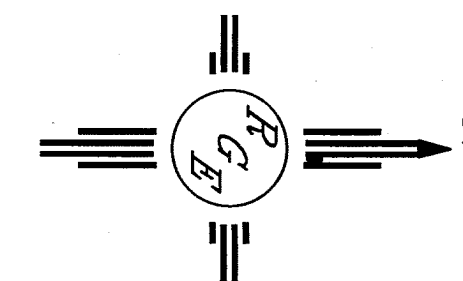
8" WL MAIN CONNECTION DETAIL
NTS



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 GARY GRITSKO NMPS 8686.

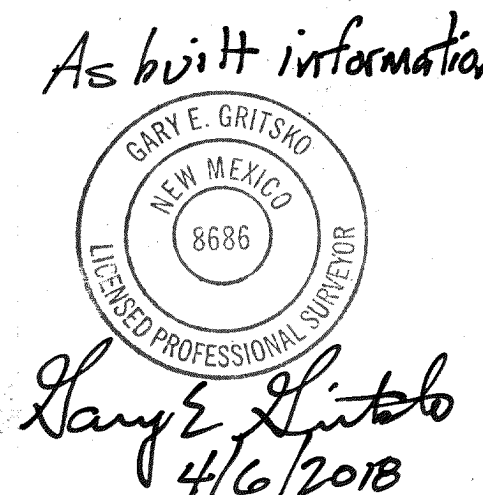


- NOTE:**
1. ALL FIRE HYDRANTS ARE TO BE BUILT PER C.O.A. STD DWG #2340 FULLY RESTRAINED
 2. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO
 3. WATER VALVES SHALL BE PER COA STD DWG #2326, 2328, 2461.
 4. ALL VALVE BOXES SHALL BE POLYMER COATED 12" CMP.
 5. ALL JOINTS BETWEEN VERTICAL BENDS SHALL BE RESTRAINED.



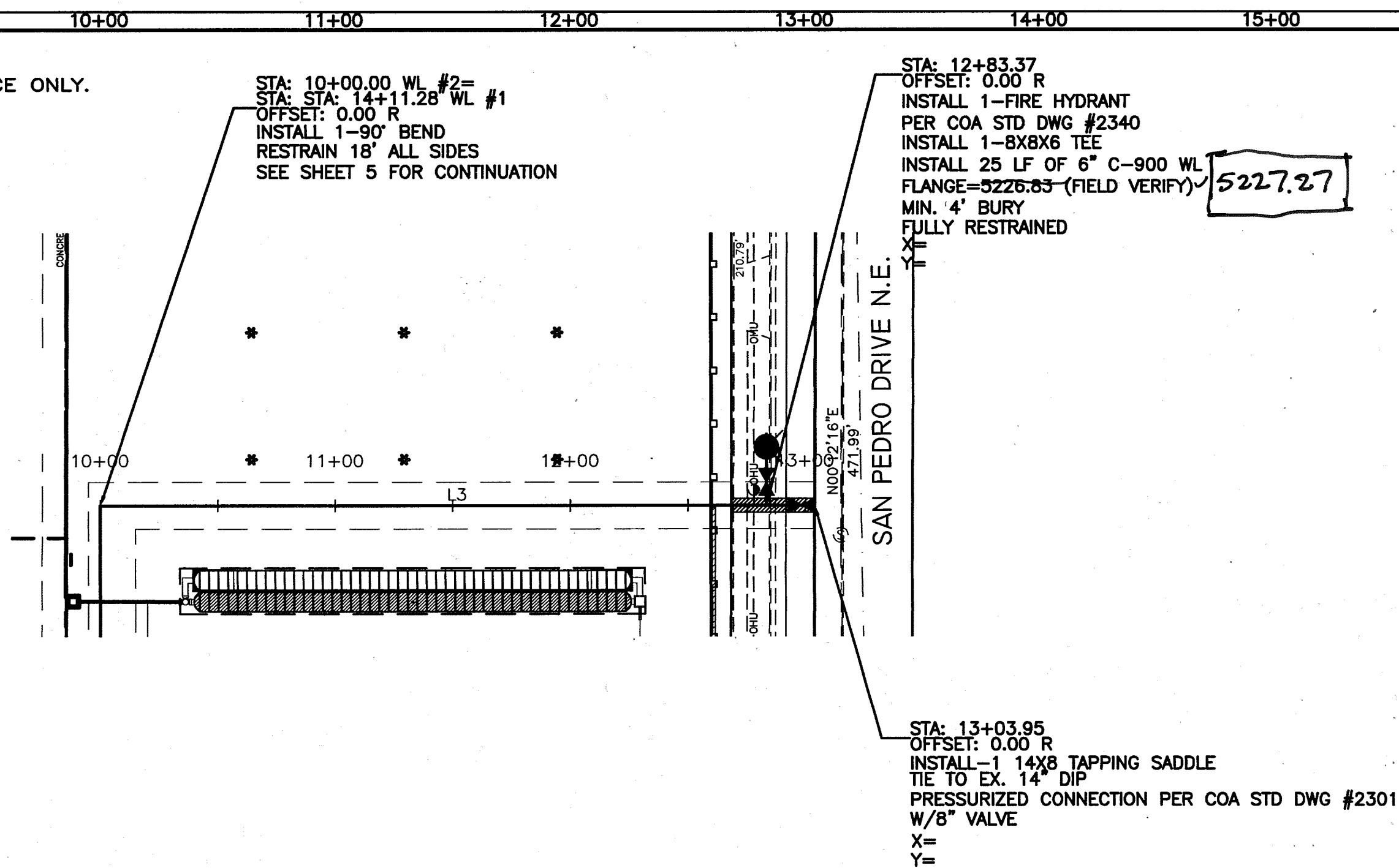
SCALE: HORIZ. 1"=50'
VERT. 1"= 5'

Record Drawing
As built information



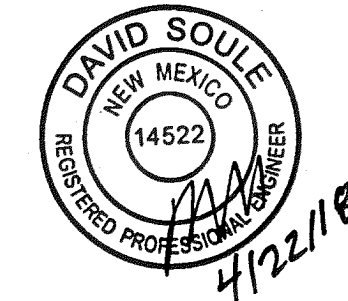
ABCWUA & CITY OF ALBUQUERQUE PUBLIC WORKS DIVISION ENGINEERING GROUP	
TITLE: AMERICAN TOYOTA WATERLINE IMPROVEMENTS PLAN AND PROFILE #1	
DESIGN REVIEW COMMITTEE APPROVE JUL 30 2018 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVE AUG 01 2018 CITY ENGINEER
DESIGNED BY: WCUJ DRAWN BY: WCUJ DRAWN NAME: 21403-LAYOUT-1-25-14 CHECKED BY: DS	NO./DAY/YR. NO./DAY/YR.
CITY PROJECT NO. 692482	ZONE MAP NO. C-18-Z
SHEET 6	OF 9

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

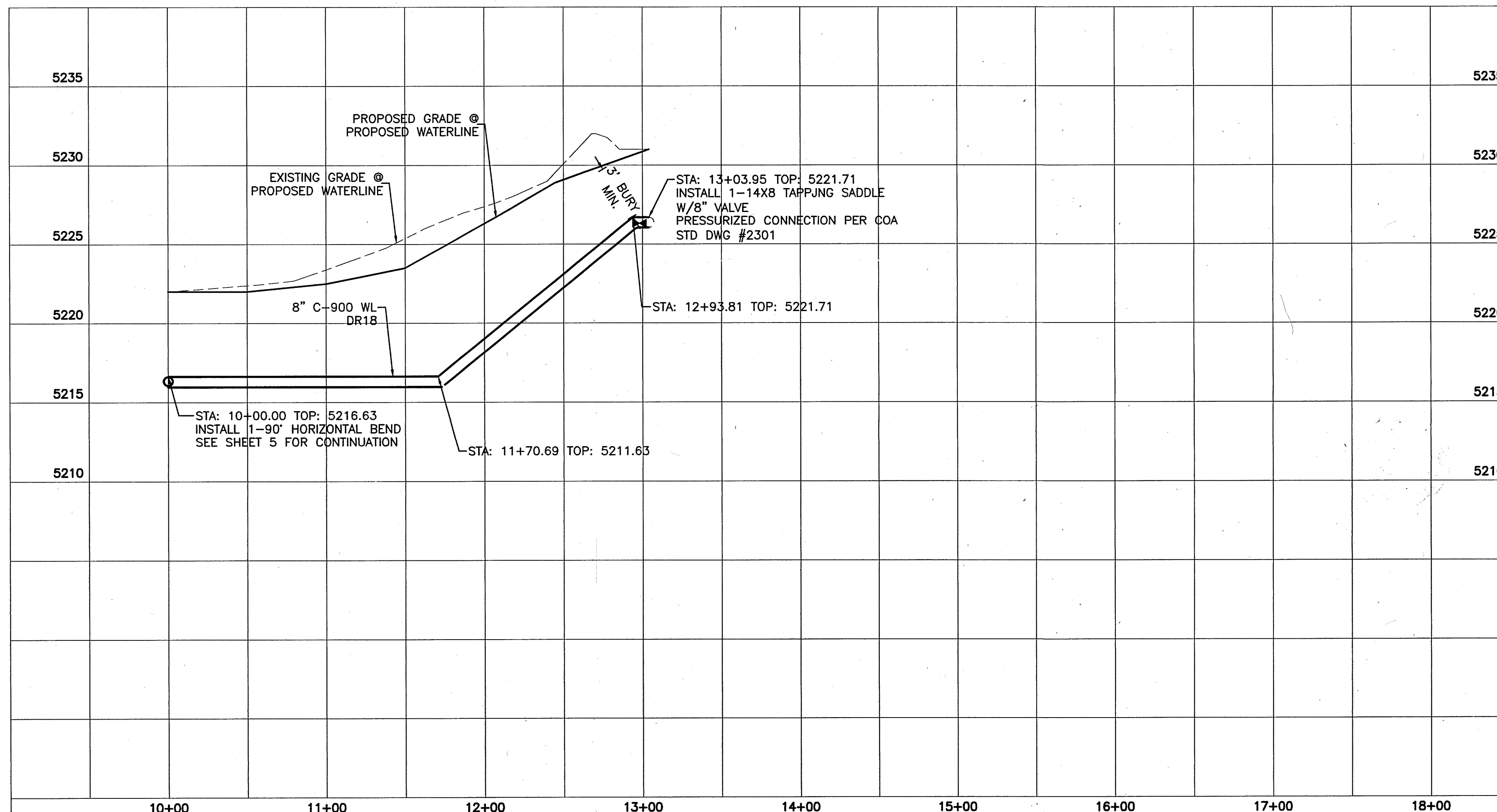


WL TABLE		
LINE TABLE		
LINE	LENGTH	BEARING
L3	303.95	N90°00'00"E

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 GARY GRITSKO NMPS 8686.

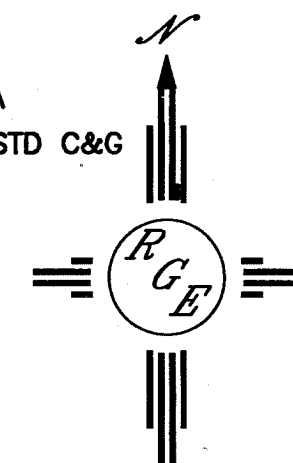


WATERLINE #2
STA: 10+00.00 TO 13+03.95
***-ALL STATIONING BASED UPON PROPOSED WATERLINE**



NOTE:

1. ALL FIRE HYDRANTS ARE TO BE BUILT PER
C.O.A. STD DWG #2340 FULLY RESTRAINED
2. ALL EXISTING UTILITY CONNECTION LOCATIONS
AND INVERTS MUST BE FIELD VERIFIED PRIOR TO
3. WATER VALVES SHALL BE PER COA STD DWG
#2326, 2328, 2461.
4. ALL VALVE BOXES SHALL BE POLYMER COATED
12" CMP.
5. ALL JOINTS BETWEEN VERTICAL BENDS SHALL BE RESTRAINED.
6. -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.
7. BACKFLOW DEVICES CONTAINMENT NOTED ON PLANS.



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

Record Drawing

Record Drawing

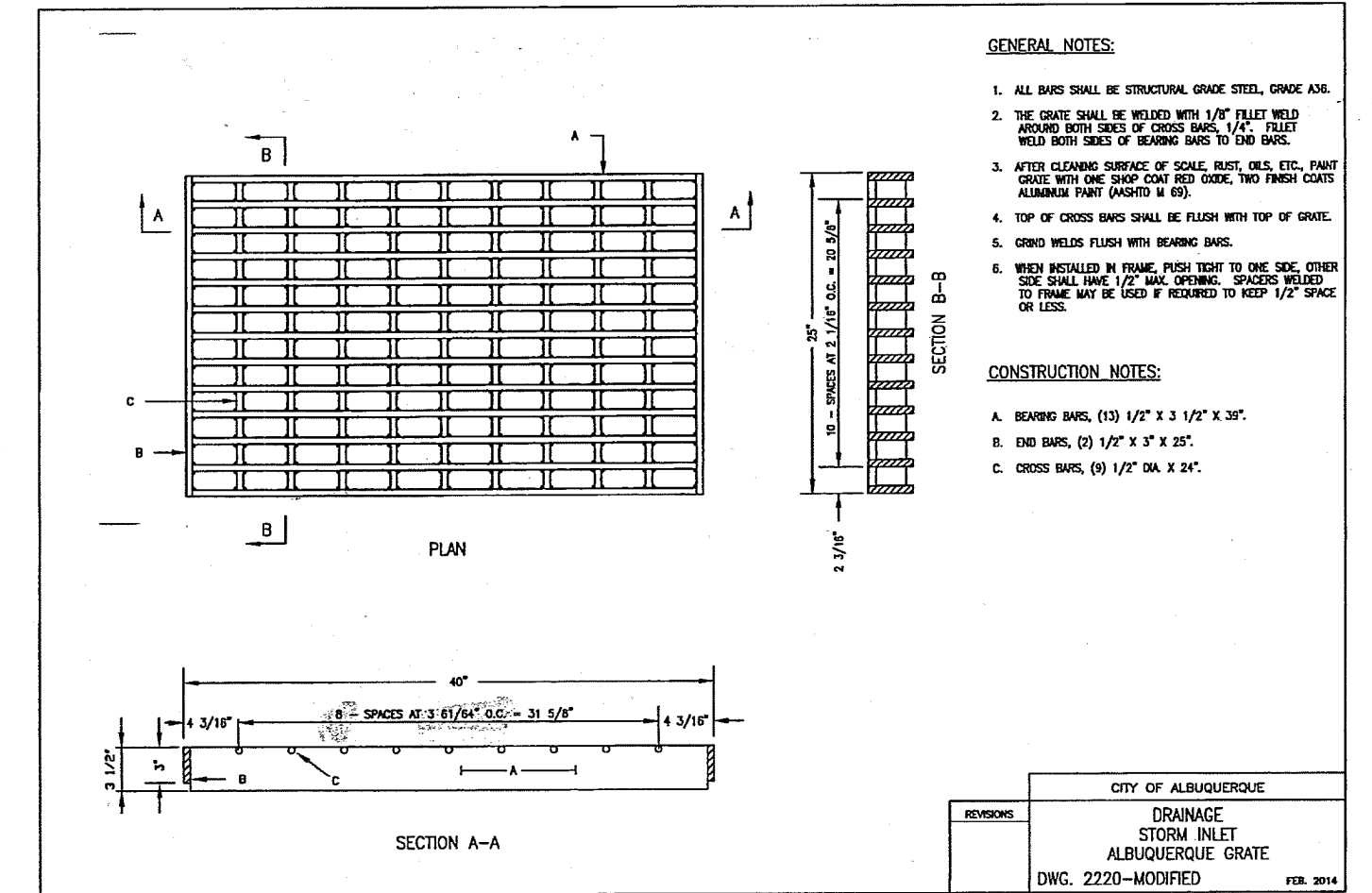
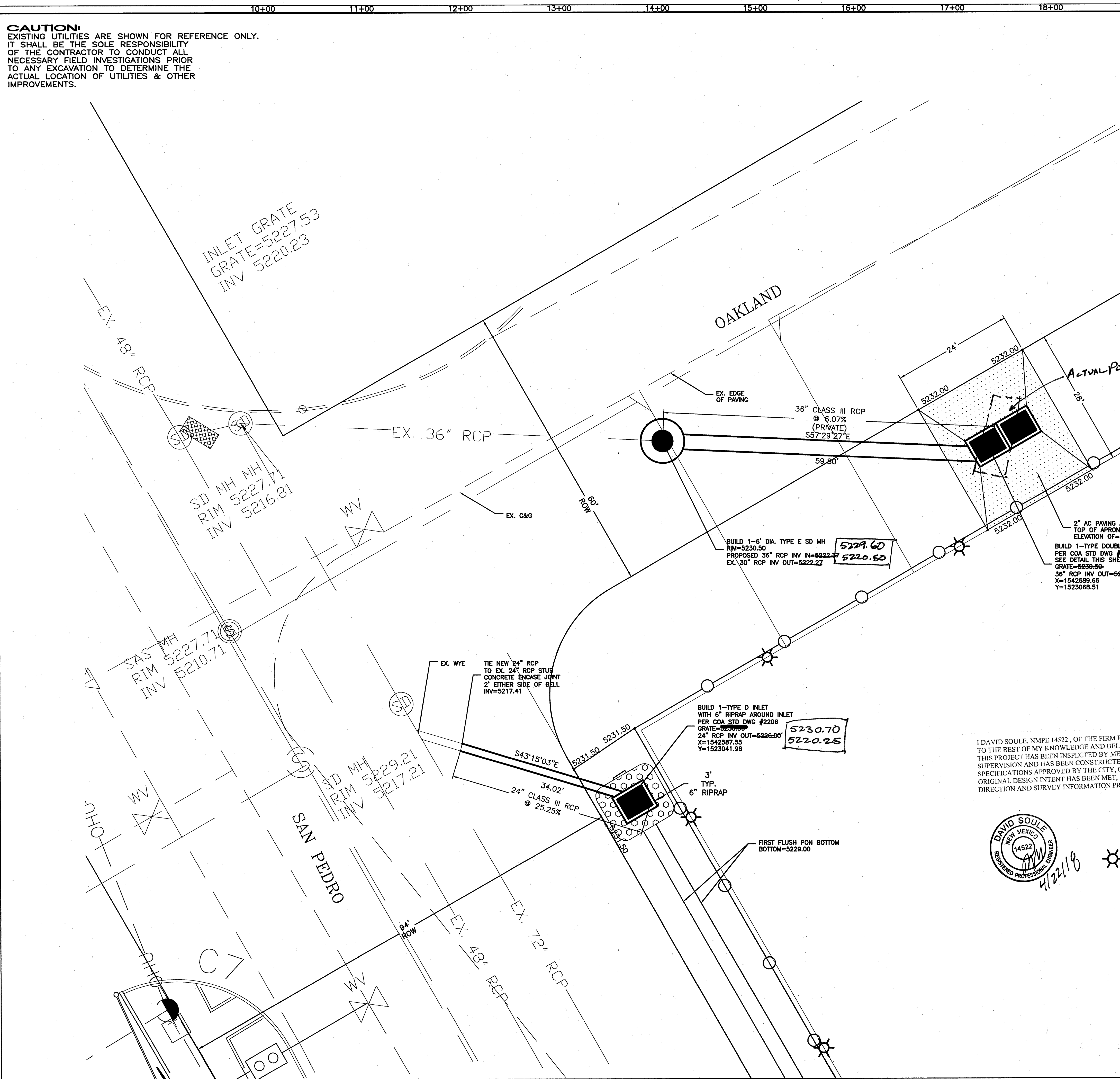
As built information



Gary E. Gritsko
4/6/2018

ABCWUA & CITY OF ALBUQUERQUE PUBLIC WORKS DIVISION ENGINEERING GROUP	
TITLE: AMERICAN TOYOTA WATERLINE IMPROVEMENTS PLAN AND PROFILE #2	
DESIGN REVIEW COMMITTEE APPROVED JUL 30 2013 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVED AUG 31 2013 CITY ENGINEER
CITY PROJECT NO. 692482	ZONE MAP NO. C-18-Z
SHEET 7	OF 9

CAUTION:
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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 GARY GRITSKO NMPS 8686

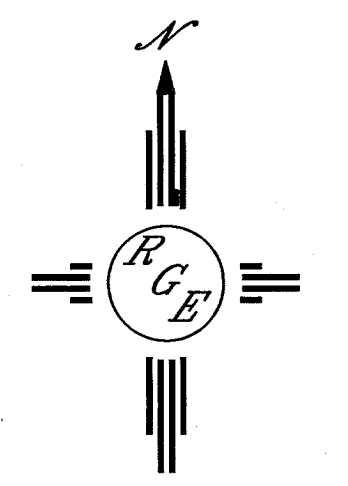


Record Drawing

As built information



Larry E. Lubbo



SCALE: HORIZ. 1"=10'

ABCWUA & CITY OF ALBUQUERQUE PUBLIC WORKS DIVISION ENGINEERING GROUP	
TITLE: AMERICAN TOYOTA STORM DRAIN LATERAL IMPROVEMENTS PLAN	
DESIGN REVIEW COMMITTEE APPROVED JUL 30 2018 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVED AUG 01 2018 CITY ENGINEER
CITY PROJECT NO. 692482	ZONE MAP NO. C-18-Z
SHEET 8	OF 9

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS	
CONTRACTOR	DATE	NO.	BY	NO.	BY	NO.	BY	NO.	DATE
WORK BY	DATE								
DESIGNED BY	DATE								
APPROVED BY	DATE								
VERIFICATION BY	DATE								
DRAWN BY	DATE								
CHECKED BY	DATE								
RECORDED BY	DATE								
NO.									

Elevations shown hereon are referenced to Albuquerque Geographic Reference System Station "10-C18".
Published elevation of station is 5222.09 ft. NAVD 1988
Plane coordinates: N=1,324,123.885; E=1,542,565.263; NAD 1983 Datum.

DESIGNED BY: WCUJ	DATE: 4-28-15
DRAWN BY: WCUJ	DATE: 4-28-15
DRAWN NAME: 21403-LAYOUT-1-25-14	JOB NO: 21403
CHECKED BY: DS	DATE: 4-28-15

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.

Weighted E Method
AMERICAN TOYOTA TEMPORARY YARD

Basin	Area (sq ft)	Area (acres)	Treatment A (%)	Treatment B (%)	Treatment C (%)	Treatment D (%)	100-Year, 6-hr. Weighted E (ac-ft)	Volume (ac-ft)	Flow (cfs)	10-day Volume (ac-ft)
BASIN A1	193022	4.431	0%	12.0%	0.532	50.0%	2.21558	38%	1.684	1.282
ALLOWED IN NAAMPD UPLAND	423338	9.718	0%	34.0%	1.507	16.0%	0.70889	50%	2.216	1.689
Equations:										

Weighted E = Ea**A*a + Eb**A*b + Ec**A*c + Ed**A*d / (Total Area)

Volume = Weighted D * Total Area

Flow = Qa * *A*a + Qb * *A*b + Qc * *A*c + Qd * *A*d

Where for 100-year, 6-hour storm (zone 3)

Ea= 0.66

Eb= 0.92

Ec= 1.28

Ed= 2.36

Qa= 1.87

Qb= 2.6

Qc= 3.45

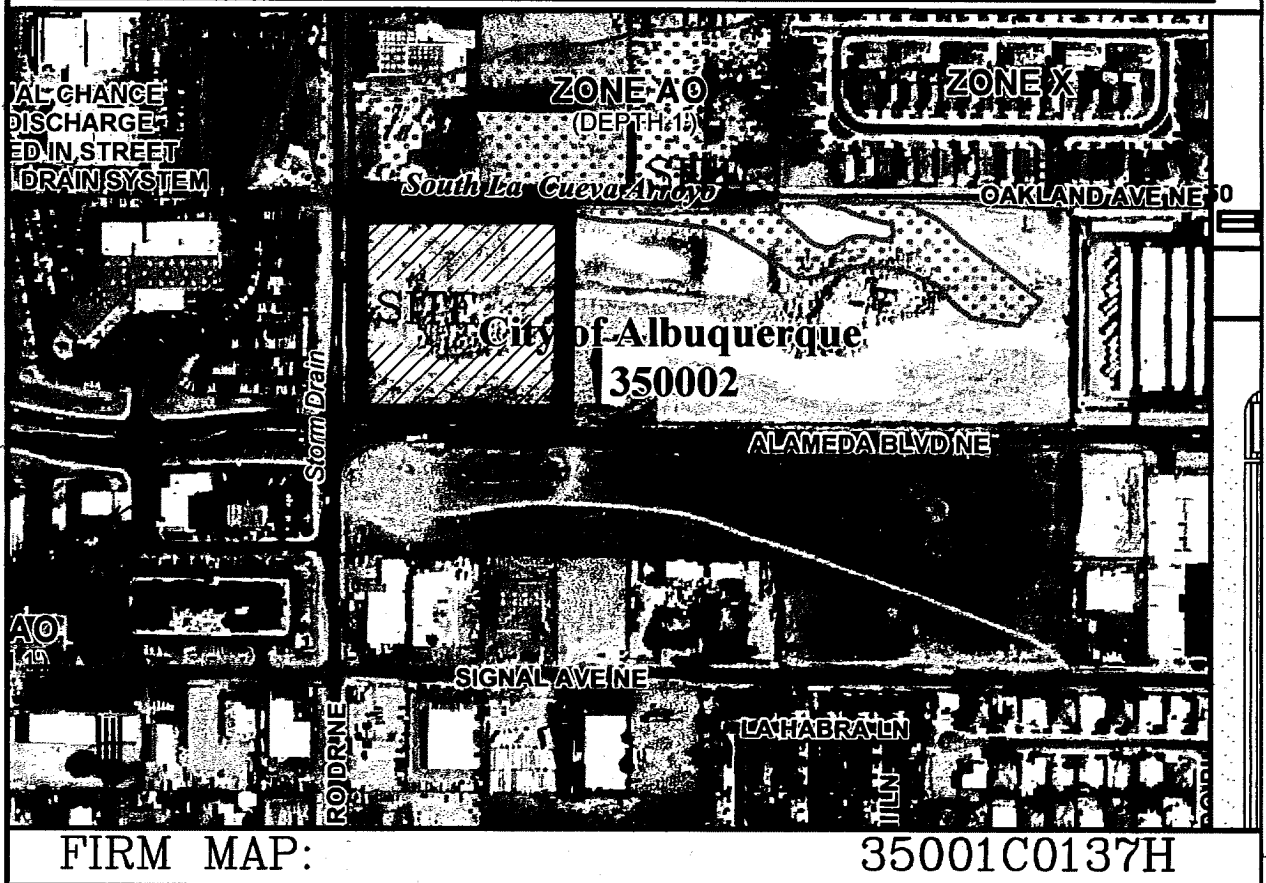
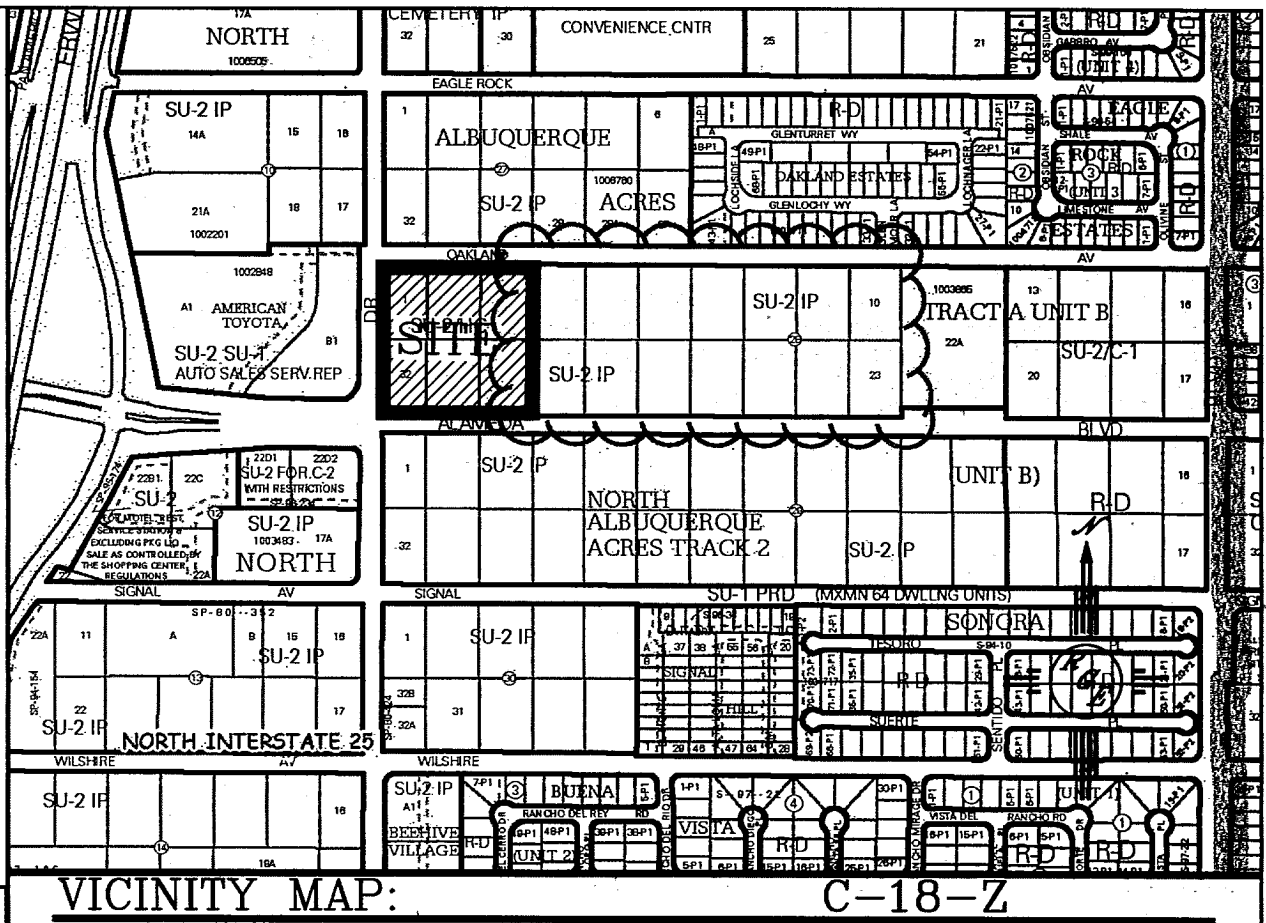
Qd= 5.02

FIRST FLUSH= 1781.317 CF

DRAINAGE NARRATIVE

Site is a temporary use. The site is located basins 117.2 and 117.3. The upland flow of 38.35 cfs will enter the site and drain to the swale along oakland. The flow will be captured by a double D in the on-site flow will be captured by a single D inlet connected to the wye stubbed into the property. The land treatment of millings was approximated by assigning 50% and 50%.

The first flush volume of 2078 has been provided onsite.



LEGAL DESCRIPTION:

NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL CURB AND GUTTER TO 6" HEADER UNLESS OTHERWISE NOTED.
3. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. ALL STORM DRAIN AND INLETS SHALL BE CONSTRUCTED UNDER THE CITY OF ALBUQUERQUE PUBLIC WORK ORDER PROCESS.

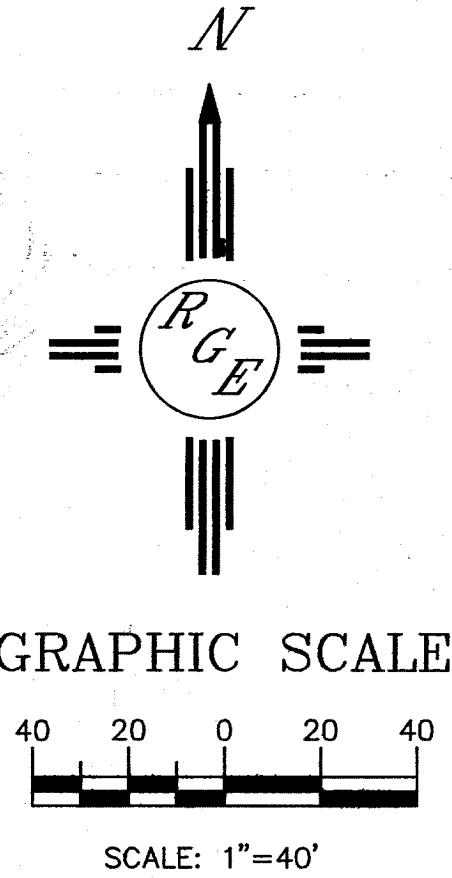
LEGEND

- 5414 --- EXISTING CONTOUR
- 5415 --- EXISTING INDEX CONTOUR
- 5414 --- PROPOSED CONTOUR
- 5415 --- PROPOSED INDEX CONTOUR
- 5415 --- SLOPE TIE
- × 4048.25 EXISTING SPOT ELEVATION
- × 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
- PROPOSED RETAINING WALL
- LIMITS OF FLOODPLAIN
- 1" THICK ASPHALT APRON

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.

As built information
GARY E. GRITSKO
NEW MEXICO
8686
PROFESSIONAL ENGINEER
Larry E. Lintob
4/6/2013



ENGINEER'S SEAL
DAVID SOULE
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14522
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DRAWN BY WCWJ
DATE 2-25-15
21403-LAYOUT-1-25-14
SHEET # 9 of 9
JOB # 21403