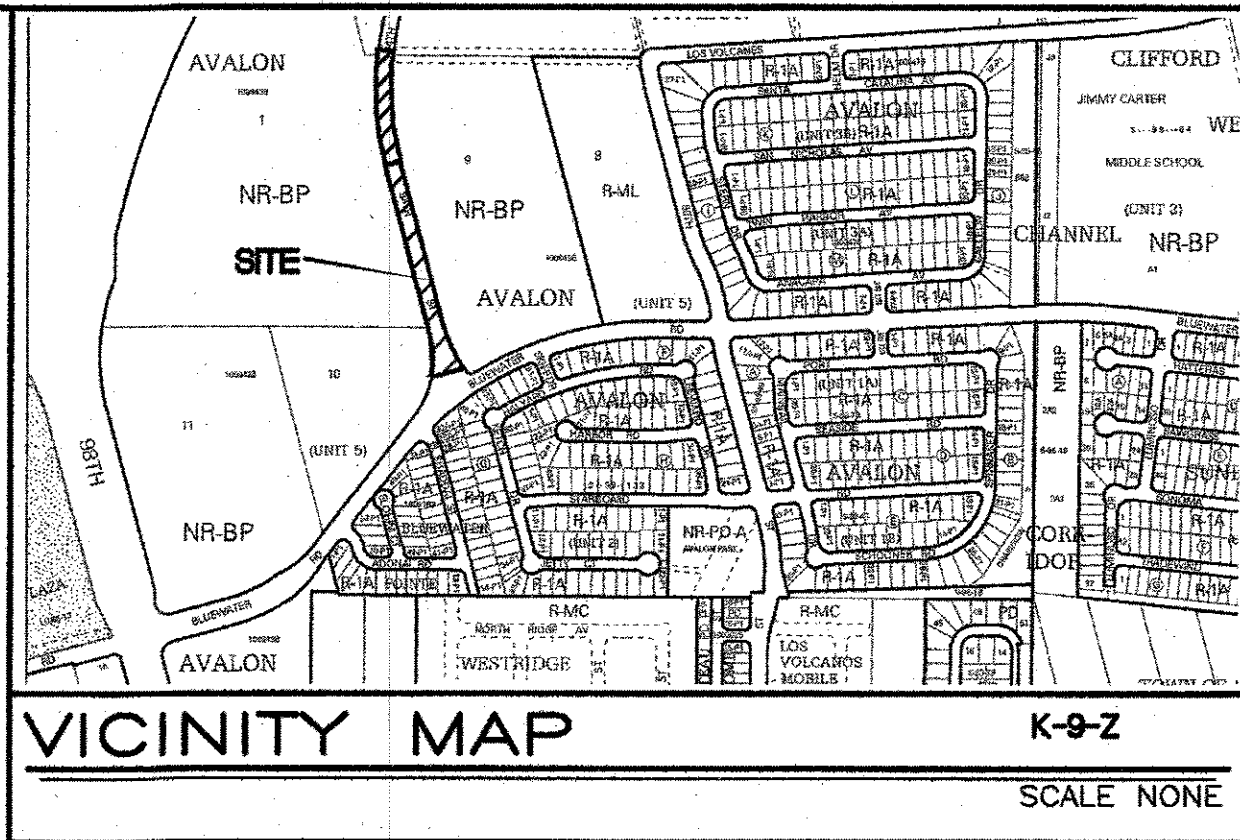


CONSTRUCTION PLANS FOR  
DAYTONA ROAD  
ROADWAY IMPROVEMENTS PLAN  
(TITAN DEVELOPMENT)

CITY OF ALBUQUERQUE  
BERNALILLO COUNTY, NEW MEXICO  
October 2022

*TW*



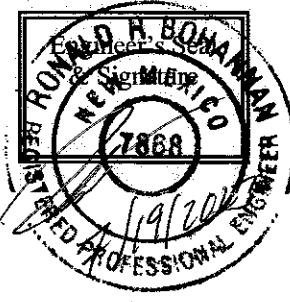
APPROVED RECORD DRAWINGS	
City Inspector	Ernest Gomez
Contractor	Fraklin's Earthmoving, Inc.
Construction Engineer	David Bishop
Date	10/18/2023

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CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction with survey information provided by Brian Martinez, of Cartesian Surveys Inc., NMPS number 18374.



SURVEYOR'S CERTIFICATION

I, BRIAN J. MARTINEZ, A DULY QUALIFIED, REGISTERED, PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE 'AS-BUILT' INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM FIELD CONSTRUCTION AND 'AS-BUILT' SURVEYS PERFORMED BY ME OR UNDER MY SUPERVISION, THAT THE 'AS-BUILT' INFORMATION SHOWN ON THESE DRAWINGS WAS ADDED BY ME OR UNDER MY SUPERVISION, AND THAT THIS 'AS-BUILT' INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. CARTESIAN SURVEYS IS NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING, OR INTENT OF THE RECORDED DRAWINGS.

*Brian J. Martinez* 7/12/23  
BRIAN J. MARTINEZ, NMPS 18374



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

WATER AND SANITARY SEWER AVAILABILITY  
STATEMENT NO 210916 AND 210915

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DRC Chairman		<i>Ronald R. Bohannon</i>		10/19/2022	
		Transportation		<i>Michael R.E.</i>		10/3/2022	
		ABCWUA		<i>Ronald R. Bohannon</i>		10/06/2022	
		Hydrology		<i>Ronald R. Bohannon</i>		10/13/22	
		Traffic Engineer					
		Constr. Mngmt.					
		Berna. Cont. Public Works					
CITY PROJECT NO.		655793		APPROVED FOR CONSTRUCTION			
SHEET		1		of		19	



GENERAL NOTES

1. ALL WORK DETAILED ON THESE PLANS, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2020 EDITION, AND WILL BE REFERRED TO HEREIN AS "STANDARD SPECIFICATIONS".
2. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
3. CONTRACTOR SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER AND ENGINEER FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
4. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
5. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION ENGINEER (OR PROJECT MANAGER) 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. ONLY THE CITY SURVEYOR SHALL REPLACE SURVEY MONUMENTS. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO STANDARD SPECIFICATIONS SECTION 4.4.
6. EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND LINES MAY EXIST WHERE NONE ARE SHOWN. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT NEW MEXICO ONE CALL SYSTEM (280-1990) FOR LOCATION OF EXISTING UTILITIES. CONTRACTOR SHALL THEN 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 THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. CONTRACTOR SHALL THEN COORDINATE RELOCATION OF UTILITY LINES WITH UTILITY COMPANIES AS REQUIRED. ANY DAMAGE CAUSED BY FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY EXISTING UTILITIES IS THE FULL RESPONSIBILITY OF THE CONTRACTOR.
7. CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS BUILT" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
8. CONTRACTOR SHALL ASSUME FINANCIAL RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENT, PAVEMENT MARKINGS, SIGNAGE, CURB AND GUTTER, HANDICAP RAMPS, AND SIDEWALK DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED ON THE PLANS, AND SHALL REPAIR OR REPLACE, PER THE STANDARD SPECIFICATIONS, ANY SUCH DAMAGE.
9. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
10. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY AND OTHER JURISDICTIONAL AUTHORITIES WHERE APPLICABLE.
11. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS SHOWN. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR, INCLUDING ANY SUCH COSTS INCURRED.
12. REMOVALS SHALL BE DISPOSED OF OFF-SITE AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

WATER AND SEWER

1. ALL WORK REGARDING PUBLIC WATER AND PUBLIC SANITARY SEWER INFRASTRUCTURE DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, BE CONSTRUCTED IN ACCORDANCE WITH WATER AUTHORITY STANDARD SPECIFICATIONS. PLANS SHALL FOLLOW THE MOST CURRENT UPDATE WHICH CAN BE FOUND ONLINE AT [http://www.abcwua.org/For\\_Builders.aspx](http://www.abcwua.org/For_Builders.aspx).
2. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING. EXISTING VALVES AND MANHOLES SHALL NOT BE BURIED OR PAVED OVER BUT RIMS SHALL BE ADJUSTED TO MATCH NEW GRADE PER COA STANDARD DRAWINGS 2460 AND 2461.
3. NON-RESIDENTIAL USERS SHALL COORDINATE WITH THE WATER AUTHORITY PRETREATMENT ENGINEER TO ENSURE THE PROPER IMPROVEMENTS ARE IN PLACE FOR THE DEVELOPMENT FOR DISCHARGE INTO THE PUBLIC SANITARY SEWER COLLECTION SYSTEM.
4. NON-RESIDENTIAL USERS SHALL COORDINATE WITH THE WATER AUTHORITY CROSS CONNECTION SECTION TO ENSURE THE PROPER IMPROVEMENTS ARE IN PLACE FOR THE TO ENSURE PROPER BACKFLOW CONTAINMENT IS IN PLACE FOR THE WATER SYSTEM.
5. MANHOLE RIMS, FIRE HYDRANT ELEVATIONS, AND FLANGE ELEVATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT OR SURFACE GRADES.
6. 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/WATER\\_SHUT\\_OFF\\_AND\\_TURN\\_ON\\_PROCEDURES.ASPX](http://abcwua.org/water_shut_off_and_turn_on_procedures.aspx).
7. PROPOSED WATERLINE MATERIALS SHALL BE PVC PIPE MEETING AWWA C-900: DR18 REQUIREMENTS (6" - 12") OR DUCTILE IRON PIPE MEETING AWWA C-150 REQUIREMENTS (6" - 48").
8. ALL WATERLINE FITTINGS, VALVES, BENDS, TEES, CROSSES AND APPURTENANCES SHALL HAVE RESTRAINED JOINTS UNLESS OTHERWISE NOTED ON THE PLANS. THE JOINT RESTRAINT REQUIREMENTS SHOULD BE DELINEATED WITHIN A JOINT RESTRAINT TABLE.
9. ALL SANITARY SEWER LINE STATIONING REFERS TO SANITARY SEWER CENTERLINE STATIONING. EXCEPT WHEN PROFILED WITHIN A PROPOSED OR EXISTING STREET, WHERE STREET STATIONING SHALL GOVERN.
10. ALL PROPOSED SANITARY SEWER SLOPES SHALL BE VERIFIED DURING CONSTRUCTION TO MEET THE APPROVED DESIGN. AS-BUILT SLOPES SHALL BE RECORDED FOR EACH LINE SEGMENT.
11. ALL FINAL BACKFILL FOR TRENCHES SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY STANDARD SPECIFICATIONS SECTION 701.14.2 AND STANDARD DRAWING NUMBER 2465.
12. ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO ABCWUA SPECIFICATIONS. THE CONTRACTOR SHALL INSTALL A 4" X 4" X5' POST AND EMS AT THE END OF EACH SANITARY SEWER SERVICE.
13. TRACER WIRE SHALL BE INCLUDED FOR ALL PUBLIC WATER AND SEWER MAINS AND FOR WATER SERVICES IN ACCORDANCE WITH WATER AUTHORITY DETAILS.
14. CONTRACTOR SHALL PROVIDE THE PROPOSED HYDRO TESTING PLANS TO THE WUA INSPECTORS FOR APPROVAL PRIOR TO BEGINNING TESTING OPERATIONS.
15. AT UTILITY CROSSINGS, WHERE LESS THAN 18" OF VERTICAL SEPARATION FROM STORM DRAIN PIPING OR STRUCTURES IS PROPOSED, LEAN FILL CONSTRUCTION (PER SECTION 207 OF THE STANDARD SPECIFICATIONS) SHALL BE USED TO PROTECT THE WATER OR SEWER LINE. LEAN FILL SHALL EXTEND A PERPENDICULAR DISTANCE OF 5 FEET ON EACH SIDE OF THE STORM PIPE OR STRUCTURE.
16. ALL DESIGNS AND CONSTRUCTION OF ANY UNDERGROUND UTILITIES SHALL COMPLY WITH ADMINISTRATIVE INSTRUCTION NO. 9 FOR WORK NEARBY OR AFFECTING SAN JUAN CHAMA TRANSMISSION LINES AND APPURTENANCES. INFORMATION SHALL BE PROVIDED TO THE WATER AUTHORITY ONE (1) MONTH IN ADVANCE OF THE CONSTRUCTION START DATE. INFORMATION CAN BE FOUND AT [HTTP://WWW.ABCWUA.ORG/WATER\\_SHUT\\_OFF\\_AND\\_TURN\\_ON\\_PROCEDURES.ASPX](http://www.abcwua.org/water_shut_off_and_turn_on_procedures.aspx).
17. ALL WATER AND SANITARY SEWER INFRASTRUCTURE SHALL BE CONSTRUCTED UTILIZING MATERIALS LISTED IN THE APPROVED PRODUCTS LIST AND BE CONSTRUCTED PER THE MOST CURRENT WATER AUTHORITY STANDARD DETAILS AND SPECIFICATIONS. MATERIAL SUBMITTALS SHALL BE PROVIDED PRIOR TO CONSTRUCTION FOR THE WATER AUTHORITY ENGINEER TO REVIEW PRIOR TO THE START OF CONSTRUCTION. INFORMATION CAN BE FOUND AT [HTTP://WWW.ABCWUA.ORG/FOR\\_BUILDERS.ASPX](http://www.abcwua.org/for_builders.aspx).
18. ALL COMMERCIAL/INDUSTRIAL SITES PROPOSING DISCHARGE INTO THE PUBLIC SANITARY SEWER COLLECTION SYSTEM MUST COORDINATE WITH THE WATER AUTHORITY PRETREATMENT ENGINEER, PRIOR TO APPROVAL OF SERVICE, THIS MUST TAKE PLACE. [PRETREATMENT@ABCWUA.ORG](mailto:PRETREATMENT@ABCWUA.ORG).
19. ALL SITES PROPOSING TO ACQUIRE WATER SERVICE FROM THE PUBLIC WATER DISTRIBUTION SYSTEM SHALL COORDINATE WITH THE WATER AUTHORITY CROSS-CONNECTION PREVENTION AND CONTROL SECTION AT 505-289-3465 OR 505-289-3454 AND EMAIL [BACKFLOW@ABCWUA.ORG](mailto:BACKFLOW@ABCWUA.ORG).

THE CONTRACTOR SHALL RECORD THE MATERIALS UTILIZED FOR WATER SERVICE CONNECTIONS INCLUDING THE PUBLIC SERVICE LINE AND THE PRIVATE SERVICE LINE. THE MATERIALS USED FOR CONSTRUCTION SHALL BE NOTED ON THE PLANS.

TRANSPORTATION

1. ANY STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH THERMO-PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
2. REMOVAL OF EXISTING CURB & GUTTER AND SIDEWALKS SHALL BE TO THE NEAREST JOINT.
3. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
4. CURB AND GUTTER, SIDEWALKS, AND DRIVE PADS SHALL MATCH THE LINE AND GRADE OF ADJUTING EXISTING AREAS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE PROJECT ENGINEER.
5. THE SUBGRADE PREP SHALL EXTEND ONE FOOT BEYOND THE FREE EDGE OF NEW CURB AND GUTTER AND SIDEWALK.
6. CONTRACTOR TO TEST SUBGRADE R-VALUE PRIOR TO CONSTRUCTION. IN THE EVENT THE R-VALUE IS LESS THAN 50, REMOVE 2 FEET OF SUBGRADE MATERIAL AND IMPORT MATERIAL WITH R-VALUE GREATER THAN 50 OR CONTACT THE ENGINEER IMMEDIATELY SO THE PAVEMENT SECTION CAN BE MODIFIED.
7. AT ALL PAVEMENT REMOVAL AND REPLACEMENTS, SAW-CUT EDGES SHALL BE STRAIGHT AND CLEAN, AND LONGITUDINAL JOINTS SHALL NOT BE PLACED WITHIN WHEEL PATHS. PATCHES SHALL BE RECTULAR AND SQUARE OR RECTANGULAR, WITH FOUR STRAIGHT SIDES. FINISHED PAVEMENT SURFACE SHALL BE FLUSH WITH EXISTING PAVEMENT SURFACE, WITH NO SPILLPOV OF ASPHALT OR TACK COAT. CARE MUST BE TAKEN TO AVOID DAMAGING THE INTEGRITY OR APPEARANCE OF SURROUNDING PAVEMENTS; IF DAMAGED, THE ENTIRE SURFACE PATCH MUST BE EXPANDED TO COVER DAMAGES.
8. CONTRACTOR WILL ENSURE THE ASPHALT HAS A SMOOTH, UNIFORM EDGE WHEN REMOVING AND REPLACING CURB AND GUTTER. IF THE ASPHALT EDGE IS NOT SMOOTH AND UNIFORM, CONTRACTOR WILL SAW CUT AND REPLACE A ONE-FOOT STRIP OF ASPHALT ALONG THE FULL SECTION BEING REPLACED; REFER TO C.O.A. STANDARD DRAWING # 2465 WITH THE APPROPRIATE PAVING SECTION BASED ON ROADWAY CLASSIFICATION.

HYDROLOGY

1. ALL STORM DRAINS SHALL BE RCP CLASS III UNLESS OTHERWISE NOTED ON THE PLANS.
2. RCP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATION. MANUFACTURER'S RECOMMENDED JOINT GAP TOLERANCES FOR EACH PIPE SIZE AND TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF PIPE. RCP JOINTS SHALL NOT BE GROUTED UNLESS DIRECTED BY THE ENGINEER AND WITH CITY APPROVAL.

OTHER COMMON NOTES

1. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE ACCOMPLISHED IN ACCORDANCE WITH OSHA 29CFR 1926.650 SUBPART P.
2. WHEN DISTURBING MORE THAN ¼ ACRES, CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.
3. IN ADVANCE OF CONSTRUCTION, CONTRACTOR SHALL DETERMINE IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYS, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION TO CONSTRUCTION OPERATIONS IS EVIDENT, CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF CONTRACTOR.
4. PNM WILL PROVIDE AT NO COST TO THE CITY OR THE CONTRACTOR THE REQUIRED PERSONNEL FOR INSPECTION OR OBSERVATION DEEMED NECESSARY BY PNM WHILE THE CONTRACTOR IS EXPOSING PNM'S CABLES. HOWEVER, THE CONTRACTOR SHALL BE CHARGED THE TOTAL COST ASSOCIATED WITH REPAIRS TO ANY DAMAGED CABLES OR FOR ANY COST ASSOCIATED WITH SUPPORTING OR RELOCATING THE POLES AND CABLES DURING CONSTRUCTION.
5. CONTRACTOR SHALL SUPPORT AND PROTECT ALL EXISTING, UNDERGROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND/OR SEWER LINE COSTS.
6. CONTRACTOR IS TO SUPPORT, PROTECT, AND MAINTAIN THE INTEGRITY OF ALL UNDERGROUND TELEPHONE, ELECTRIC CABLES AND CABLE TELEVISION UTILITIES AT NO ADDITIONAL COST TO THE OWNER. CABLE IS TO BE SUPPORTED AT A MAXIMUM SPACING OF FIFTEEN (15) FEET. CONTRACTOR SHALL COORDINATE WITH AND MAKE NECESSARY PAYMENT (IF ANY) TO UTILITY OWNER FOR DE-ENERGIZATION OF CABLES OR SUPPORT OF CABLES BY THE UTILITY OWNER.
7. CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR PRIVATE ROADWAY EASEMENTS TO PREVENT ANY EXCAVATED MATERIAL BEING WASHED DOWN THE STREET OR INTO ANY PUBLIC DRAINAGE FACILITY.
8. CONTRACTOR SHALL CONDUCT ALL WORK IN A MANNER WHICH WILL MINIMIZE INTERFERENCE WITH LOCAL TRAFFIC.
9. ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
10. DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL AND UNSUITABLE MATERIAL SHALL BE ARRANGED BY THE CONTRACTOR IN COMPLIANCE WITH ALL APPLICABLE ENVIRONMENTAL REGULATIONS. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR COSTS ASSOCIATED WITH OBTAINING A DISPOSAL SITE AND HAUL THERETO.
11. IF CULTURAL RESOURCES, SUCH AS HISTORIC OR PREHISTORIC ARTIFACTS, OR HUMAN REMAINS ARE DISCOVERED DURING EXCAVATION OR CONSTRUCTION, WORK SHALL CEASE AND THE CONSTRUCTION ENGINEER SHALL NOTIFY THE COUNTY OFFICE OF THE MEDICAL EXAMINER AT (505) 272-3053. IF THE MEDICAL EXAMINER DETERMINES THAT HUMAN REMAINS ARE NOT PRESENT, THE CONSTRUCTION ENGINEER SHALL NOTIFY THE STATE HISTORIC PRESERVATION OFFICER (SHPO) AT 827-6320.

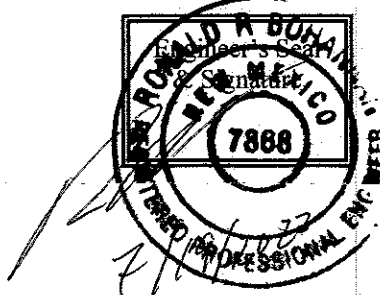
GENERAL NOTES USED SELECTIVELY, BASED ON SCOPE OF WORK

1. WORK AFFECTING ARTERIAL ROADWAYS MAY REQUIRE TWENTY-FOUR-HOUR CONSTRUCTION.
2. TWO WEEKS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHOULD NOTIFY THE TRANSIT DEPARTMENT OF ANY IMPACT THE PROPOSED PROJECT WILL HAVE ON THE TRANSIT SYSTEM SUCH AS CAUSING A DETOUR, OR CAUSE THE CLOSING OR RELOCATION OF A BUS STOP. THE CONTACT PERSON IS DOUGLAS GOFF, OFFICE PHONE 505-724-3137, CELL PHONE 505-206-0151, AND E-MAIL [DGGOFF@CABQ.GOV](mailto:DGGOFF@CABQ.GOV).
3. STREET NAME SIGNS, REGULATORY SIGNAGE, AND ANY NECESSARY STRIPING ON PRIVATE STREETS ARE THE DEVELOPER'S RESPONSIBILITY.
4. IN ALL AREAS WHERE PUBLIC STREETS OR INFRASTRUCTURE ARE TO BE CONSTRUCTED OVER FILLS, THE GEOTECHNICAL ENGINEER SHALL CERTIFY THAT PLACEMENT, COMPACTION, AND ALL OTHER WORK HAS BEEN COMPLETED IN ACCORDANCE WITH COA SPECIFICATION SECTION 204. SAID CERTIFICATION, ALONG WITH SUPPORTING TESTING DOCUMENTATION, SHALL BE PROVIDED TO THE CONSTRUCTION ENGINEER PRIOR TO OR AT THE PRE-CONSTRUCTION CONFERENCE BEFORE WORK ORDER CONSTRUCTION.

SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL SUBMIT TO DMD, CONSTRUCTION COORDINATION DIVISION, A DETAILED CONSTRUCTION SCHEDULE. FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE DMD, CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF STANDARD SPECIFICATIONS. PERMIT REQUESTS MAY BE DENIED OR DELAYED DUE TO CONFLICTS WITH OTHER PROJECTS IN THE AREA.

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction with survey information provided by Brian Martinez, of "Cartesian Surveys Inc.", NMPS number 18374.



10-01-22

<b>Tierra West, LLC</b> 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 <a href="http://www.tierrawestllc.com">www.tierrawestllc.com</a>	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: <b>DAYTONA ROAD GENERAL NOTES</b>	
DESIGN REVIEW COMMITTEE <b>APPROVED</b> Oct. 19, 2022 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL <b>APPROVED</b> Jan. 12, 2023 CITY ENGINEER
CITY PROJECT NO. 655793	ZONE MAP NO. K-9-Z
SHEET 2	OF 19





Vicinity Map - Zone Atlas K-09-Z

### Documents

1. TITLE COMMITMENT PROVIDED BY OLD REPUBLIC NATIONAL TITLE, HAVING FILE NO. 2109876 AND AN EFFECTIVE DATE OF OCTOBER 4, 2021.
2. PLAT OF AVALON, UNIT 5 FILED IN THE BERNALILLO COUNTY CLERK'S OFFICE ON MAY 22, 2014 IN BOOK 2014C, PAGE 46.
3. DEED FOR SUBJECT PROPERTY FILED IN THE BERNALILLO COUNTY CLERK'S OFFICE ON DECEMBER 14, 2016 AS DOCUMENT NO. 201616750.

### Indexing Information

Section 31 Township 10 North, Range 2 East, N.M.P.M.  
Subdivision: Avalon, Unit 5  
Owner: 98th & 140 Land LLC  
UPC #: 100905719339420401

### Treasurer's Certificate

THIS IS TO CERTIFY THAT THE TAXES ARE CURRENT AND  
PAID ON UPC # 100905719339420401

### Purpose of Plat

1. SUBDIVIDE AS SHOWN HEREON.
2. VACATE EASEMENTS AS SHOWN HEREON.
3. GRANT EASEMENT AS SHOWN HEREON.

PROPERTY OWNER OF RECORD  
BERNALILLO COUNTY TREASURER'S OFFICE

### Subdivision Data

GROSS ACRES: 16.021 ACRES  
NET ACRES: 16.021 ACRES  
NUMBER OF EXISTING TRACTS: 1  
NUMBER OF TRACTS CREATED: 2  
MILES OF FULL-WIDTH STREETS: 0.0000 MILES  
MILES OF HALF-WIDTH STREETS: 0.0000 MILES  
RIGHT-OF-WAY DEDICATION TO THE CITY OF ALBUQUERQUE: OCTOBER 2021  
DATE OF SURVEY: OCTOBER 2021

### Notes

1. FIELD SURVEY PERFORMED IN OCTOBER 2021.
2. ALL DISTANCES ARE GROUND DISTANCES. U.S. SURVEY FOOT.
3. THE BASIS OF BEARINGS REFERENCES NEW MEXICO STATE PLANE COORDINATES (NAD 83-CENTRAL ZONE).

### Plat for

Tracts 9-A and 9-B  
Avalon Subdivision, Unit 5  
Being Comprised of  
Tract 9

Avalon Subdivision, Unit 5  
City of Albuquerque  
Bernalillo County, New Mexico  
November 2021

Project Number: \_\_\_\_\_

Application Number: \_\_\_\_\_

Plat Approvals: \_\_\_\_\_

PNM Electric Services

Qwest Corp. d/b/o CenturyLink QC

New Mexico Gas Company

Comcast

City Approvals: \_\_\_\_\_

\_\_\_\_\_  
City Surveyor

Traffic Engineer

ABCWA

Parks and Recreation Department

Code Enforcement

AMA/CA

City Engineer

DBB Outperson, Planning Department

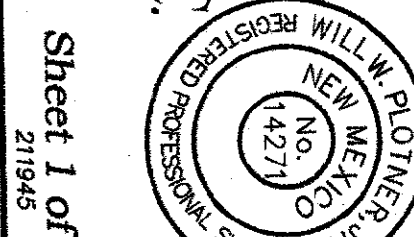
### Surveyor's Certificate

I, WILL PLOTNER JR., A REGISTERED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT AND ALL EASEMENTS AS SHOWN ON THE PLAT OF RECORD HAVE BEEN PREPARED BY ME OR UNDER MY SUPERVISION, AND ARE KNOWN TO ME BY THE OWNERS AND/OR PROPRIETORS OF THE SUBDIVISION SHOWN HEREON, THE UTILITY COMPANIES OR OTHER INTERESTED PARTIES AND MEETS THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS FOR THE CITY OF ALBUQUERQUE AND FURTHER MEETS THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

\_\_\_\_\_  
Will Plotner Jr.  
N.M.R.P.S. No. 1427

CSI-CARTESIAN SURVEYS INC.

P.O. BOX 44414 RIO RANCHO, N.M. 87174  
Phone (505) 896-3050 Fax (505) 891-0244  
wplotnerj@gmail.com



FOR REFERENCE ONLY

### Easement Notes

1. EXISTING 30' UTILITY EASEMENT RETAINED TO ABCWA (05/22/2014 BK. 2014C, PG. 46 DOC. NO. 2014040949).
2. EXISTING 10' X 20' ANCHOR EASEMENT (05/08/2003 BK. 2003C, PG. 129 DOC. NO. 2003077756) VACATED WITH THIS PLAT, SHOWN HEREON AS [REDACTED].
3. EXISTING 10' P.U.E. (06/03/1999, 1999C-134) VACATED WITH THIS PLAT, SHOWN HEREON AS [REDACTED].
4. EXISTING 30' UTILITY EASEMENT RETAINED BY THE CITY OF ALBUQUERQUE (05/22/2014 BK. 2014, PG. 46, DOC. NO. 2014040949).
5. EXISTING TEMPORARY PRIVATE SLOPE EASEMENT FOR THE BENEFIT OF AND MAINTAINED BY THE LESSEE OF TRACT 8 (03/02/2016 DOC. NO. 2016019763) VACATED ON [REDACTED] BY DOCUMENT NO. [REDACTED].
6. EXISTING TEMPORARY PRIVATE DESILTATION POND EASEMENT (03/02/2016 DOC. NO. 2016019763) VACATED ON [REDACTED] BY DOCUMENT NO. [REDACTED].
7. EXISTING 30' TEMPORARY DRAINAGE EASEMENT FOR THE BENEFIT OF AND MAINTAINED BY THE LESSEE OF TRACT 8 (03/27/1998 DOC. NO. 1998037769) VACATED ON [REDACTED] BY DOCUMENT NO. [REDACTED].
8. 10' PUBLIC UTILITY EASEMENT GRANTED WITH THE FILING OF THIS PLAT.
9. CROSS-LOT DRAINAGE EASEMENT GRANTED WITH THE FILING OF THIS PLAT ACROSS TRACTS 9-A AND 9-B, EXCLUDING EXISTING BY THE UNDERLYING OWNERS OF EACH TRACT.

\* AS PER THE PRIMAVERE EASEMENT AGREEMENT, DATED JANUARY 31, 1998, RECORDED AS DOCUMENT NO. 1998037769, THE TEMPORARY EASEMENTS SHOWN HEREON AS [REDACTED] AND [REDACTED] MAY AT THE ELECTION OF THE OWNER OF TRACT 9 MAKE MODIFICATIONS TO THE PRIVATE SLOPE EASEMENT AND DESILTATION POND AS MAY BE REQUIRED BY APPLICABLE GOVERNMENT REGULATIONS AND THE AGREEMENT OF THE PARTIES WILL ASSUME RESPONSIBILITY FOR THE SLOPES AND PONDS.

### Legend

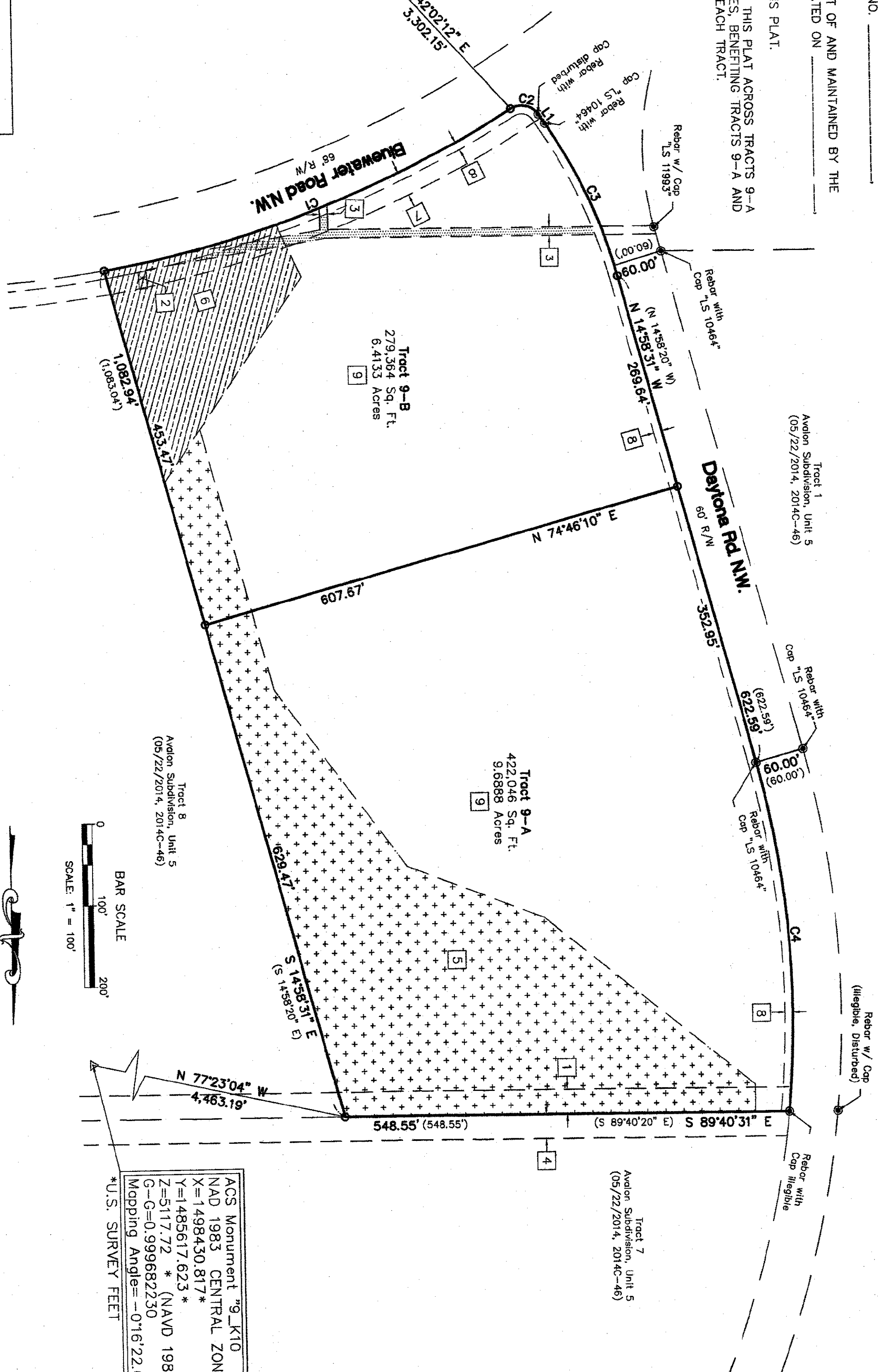
- N 90°00'00" E MEASURED BEARINGS AND DISTANCES PER PLAT (N 90°00'00" E) (05/22/2014, 2014C-46)
- FOUND MONUMENT AS INDICATED
- SET 1/2" REBAR WITH CAP "LS 18374" UNLESS OTHERWISE NOTED
- U.S. SURVEY FEET

FOR REFERENCE ONLY

ACS Monument "7-K9" "NAD 1983 CENTRAL ZONE"  
X=1496061.706\*  
Y=1482904.725\*  
Z=5140.082\* (NAVD 1988)  
G-G=0.999681940  
Mopping Angle=-016°38'12"

Curve #	Length	Radius	Delta	Chord Length	Chord Direction
C1	543.39' (543.39')	13581.17' (13581.17')	22°55'21"	539.75'	S 89°23'55" W
C2	36.28' (36.28')	26.00' (26.00')	87°33'54"	34.65'	N 78°11'46" W
C3	208.45' (208.45')	620.00' (620.00')	19°21'21"	208.46'	N 24°39'12" W
C4	433.61' (433.62')	1183.34' (1183.34')	20°59'42"	431.19'	N 04°28'40" W

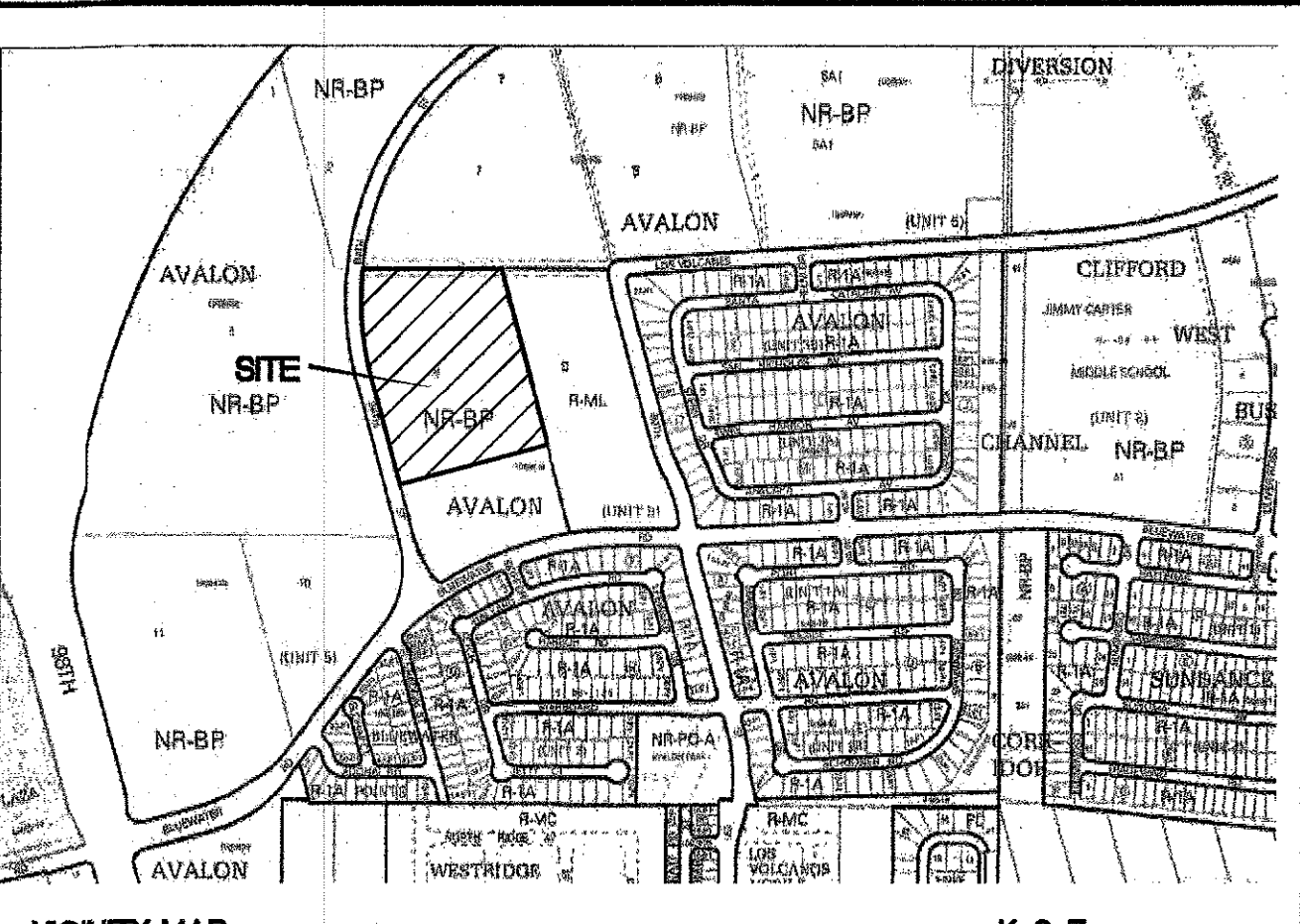
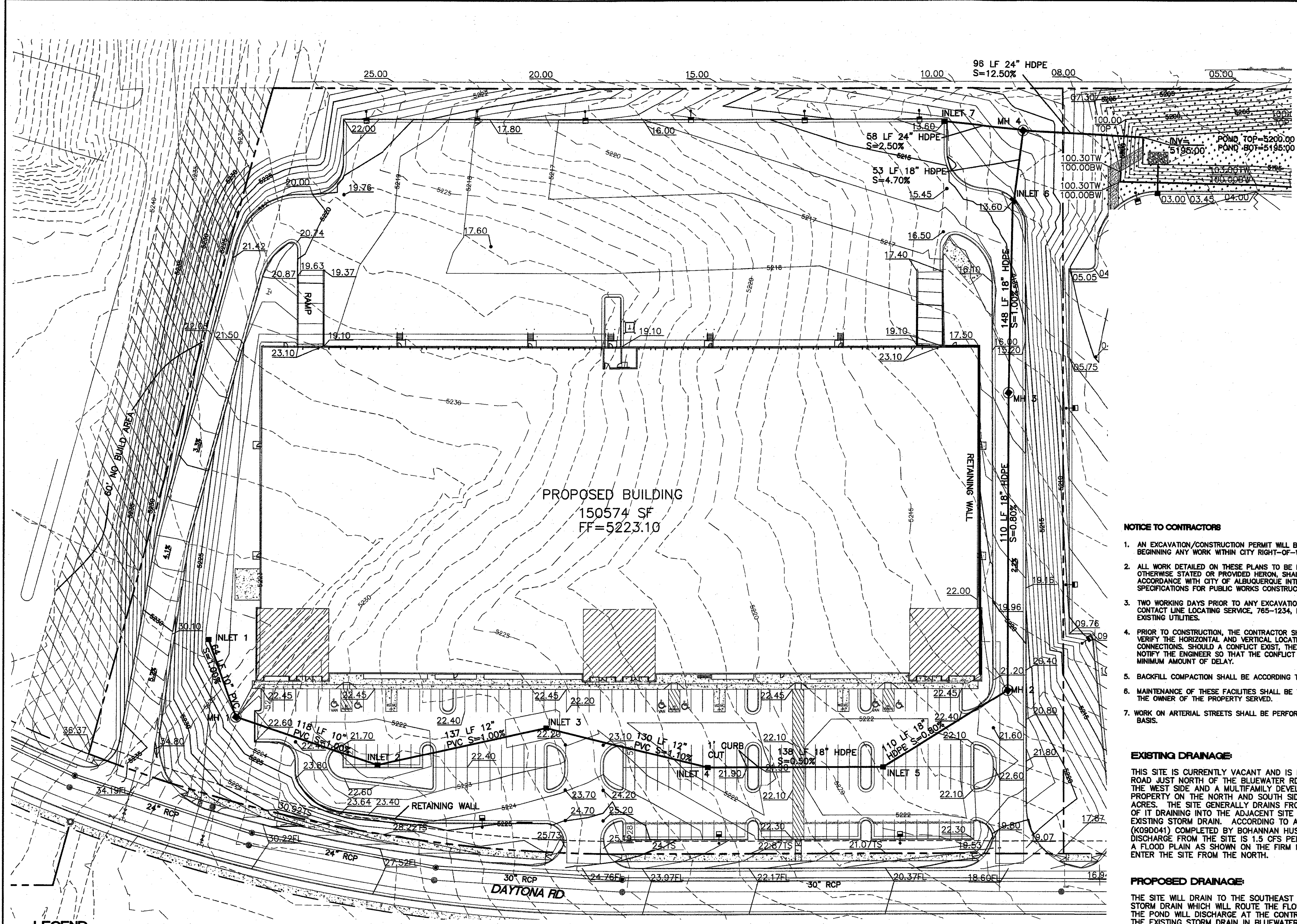
Line #	Direction	Length (ft)
L1	N 34°19'52" W (N 34°19'41" W)	13.71' (13.71')



Plat for  
Tracts 9-A and 9-B  
Avalon Subdivision, Unit 5  
Being Comprised of  
Tract 9  
Avalon Subdivision, Unit 5  
City of Albuquerque  
Bernalillo County, New Mexico  
November 2021

CSI-CARTESIAN SURVEYS INC.  
P.O. BOX 44414 RIO RANCHO, N.M. 87174  
Phone (505) 896-3050 Fax (505) 891-0244  
wplotnerj@gmail.com





NOTICE TO CONTRACTORS

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2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 785-1234, FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONNECTIONS. 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 TRAFFIC/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.

EXISTING DRAINAGE

THIS SITE IS CURRENTLY VACANT AND IS LOCATED ON THE EAST SIDE OF DAYTONA ROAD JUST NORTH OF THE BLUEWATER RD. THE SITE IS BOUNDED BY ROADS ON THE WEST SIDE AND A MULTIFAMILY DEVELOPMENT ON THE EAST SIDE AND VACANT PROPERTY ON THE NORTH AND SOUTH SIDES. IT CONTAINS APPROXIMATELY 9.69 ACRES. THE SITE GENERALLY DRAINS FROM NORTHWEST TO SOUTHEAST WITH MOST OF IT DRAINING INTO THE ADJACENT SITE WHICH DRAINS TO BLUEWATER ROAD EXISTING STORM DRAIN. ACCORDING TO AN APPROVED MASTER DRAINAGE PLAN (K09D041) COMPLETED BY BOHANNAN HUSTON INC. THE ALLOWABLE DEVELOPED DISCHARGE FROM THE SITE IS 1.5 CFS PER ACRE. THE SITE IS NOT LOCATED WITHIN A FLOOD PLAIN AS SHOWN ON THE FIRM MAP. THERE ARE OFFSITE FLOWS THAT ENTER THE SITE FROM THE NORTH.

PROPOSED DRAINAGE

THE SITE WILL DRAIN TO THE SOUTHEAST CORNER OF THE SITE INTO A PROPOSED STORM DRAIN WHICH WILL ROUTE THE FLOWS TO A PROPOSED DETENTION POND. THE POND WILL DISCHARGE AT THE CONTROLLED RATE OF 1.5 CFS PER ACRE TO THE EXISTING STORM DRAIN IN BLUEWATER ROAD. THIS POND WILL ALSO RETAIN THE WATER QUALITY VOLUME FOR THIS PARCEL.

EROSION CONTROL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.
6. ALL SLOPES NOT STABILIZED AT THE END OF THE PROJECT SHALL BE STABILIZED IN ACCORDANCE WITH COA SPECS OR 3" GRAVEL.

LEGEND

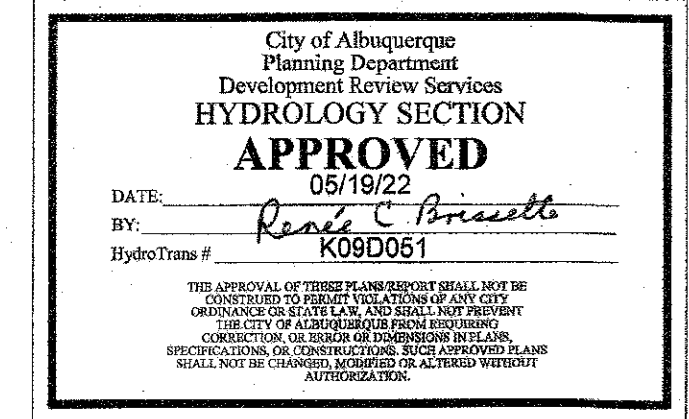
- CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- CENTERLINE
- RIGHT-OF-WAY
- BUILDING
- SIDEWALK
- EXISTING CURB & GUTTER
- EXISTING BOUNDARY LINE
- RETAINING WALL

STRUCTURE TABLE

STRUCTURE	SIZE/TYPE	RIM	INVERT
INLET 1	TYPE 'C'	5221.30	5219.10
INLET 2	TYPE 'C'	5221.40	5217.3
INLET 3	TYPE 'C'	5221.60	5215.90
INLET 4	TYPE 'C'	5221.40	5214.50
INLET 5	TYPE 'C'	5221.40	5213.80
INLET 6	TYPE 'D'	5213.60	5209.50
INLET 7	TYPE 'C'	5213.60	5208.50

MH TABLE

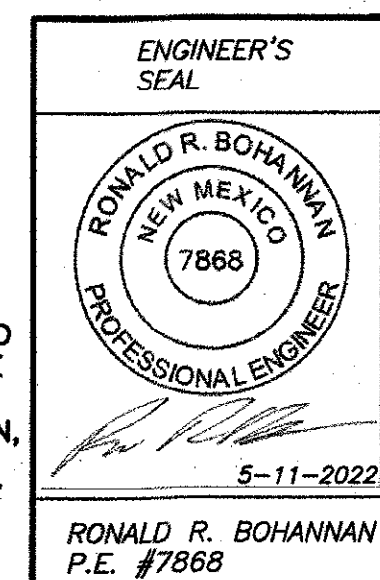
STRUCTURE	SIZE/TYPE	RIM	INVERT
MH 1	TYPE 'C' 4' DIA	5223.00	5218.50
MH 2	TYPE 'C' 4' DIA	5221.02	5212.90
MH 3	TYPE 'C' 4' DIA	5216.52	5211.00
MH 4	TYPE 'C' 4' DIA	5211.25	5207.00



FOR REFERENCE ONLY

CAUTION

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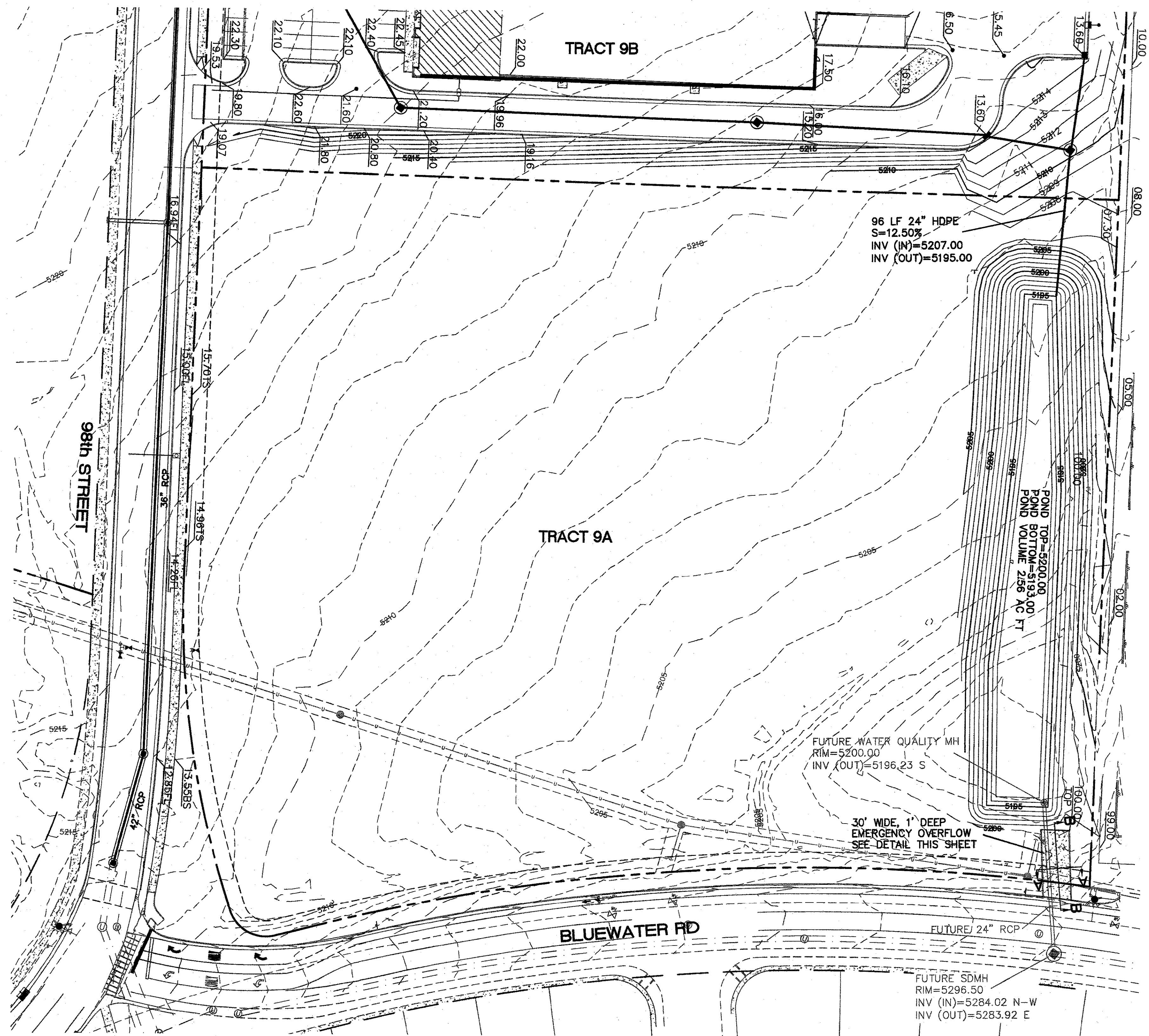
TITAN 150K SPEC BUILDING ALBUQUERQUE, NM

GRADING AND DRAINAGE PLAN

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

DRAWN BY	pm
DATE	5-11-2022
DRAWING	2020088-150K-GR.DWG
SHEET #	GR-1
JOB #	2020088





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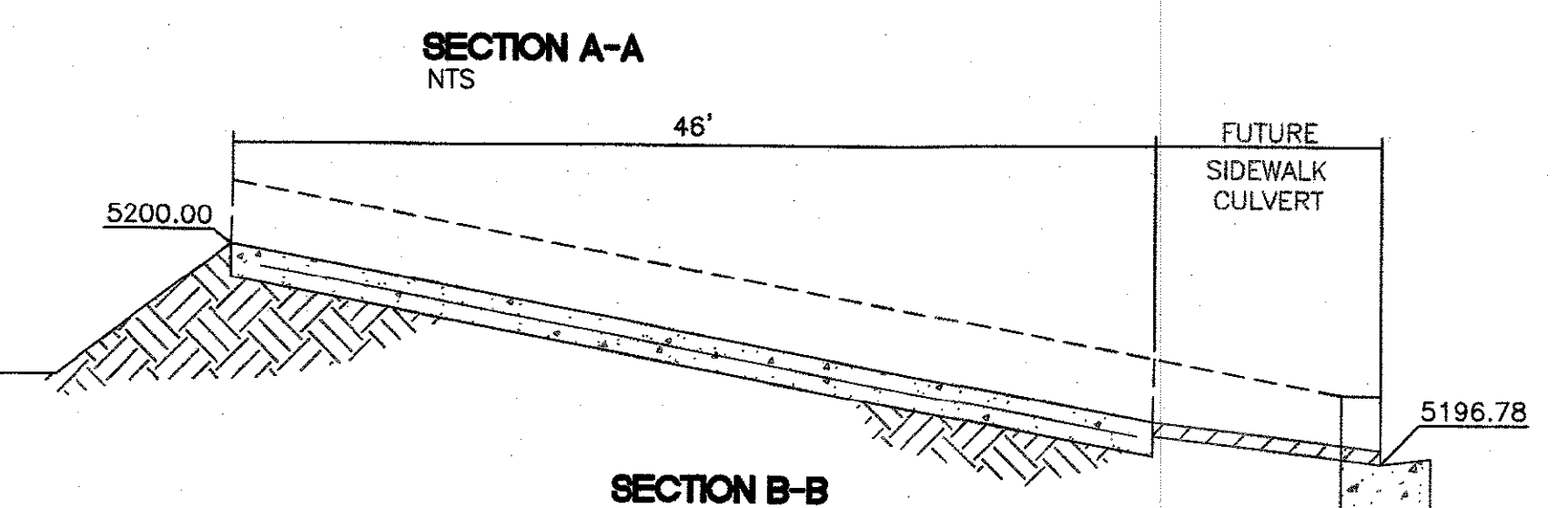
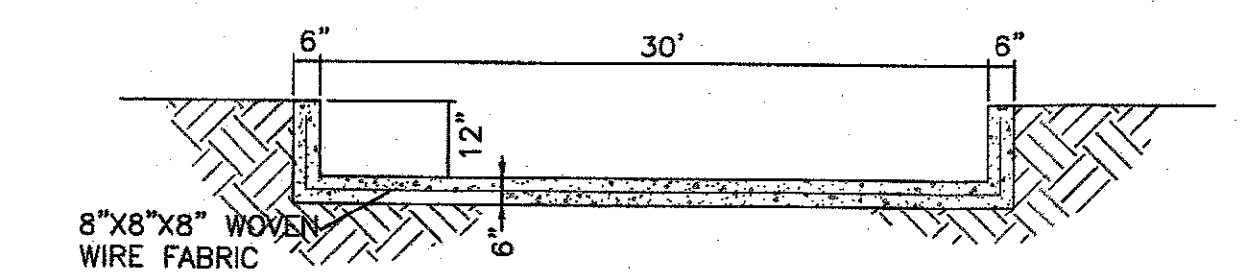
- EROSION CONTROL NOTES**
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**EXISTING DRAINAGE:**

THIS SITE IS CURRENTLY VACANT AND IS LOCATED ON THE SOUTHEAST CORNER OF BLUEWATER RD AND DAYTONA RD. THE SITE IS BOUNDED BY ROADS ON THE WEST AND SOUTH SIDES AND A MULTIFAMILY DEVELOPMENT ON THE EAST SIDE AND VACANT PROPERTY ON THE NORTH SIDE. IT CONTAINS APPROXIMATELY 8.41 ACRES. THE SITE GENERALLY DRAINS FROM NORTHWEST TO SOUTHEAST WITH MOST OF IT DRAINING INTO BLUEWATER ROAD EXISTING STORM DRAIN. ACCORDING TO AN APPROVED MASTER DRAINAGE PLAN (K09D041) COMPLETED BY BOHANNAN HUSTON INC. THE ALLOWABLE DEVELOPED DISCHARGE FROM THE SITE TO THE EXISTING STORM SEWER IN BLUEWATER IS 1.5 CFS PER ACRE. THE SITE IS NOT LOCATED WITHIN A FLOOD PLAIN AS SHOWN ON THE FIRM MAP. THERE ARE OFFSITE FLOWS THAT ENTER THE SITE FROM THE NORTH.

**PROPOSED DRAINAGE:**

UNDER INTERIM CONDITIONS THE SITE WILL DRAIN TO A RETENTION POND SIZED FOR THE 100 YR FLOOD, 10 DAY STORM FOR DEVELOPED TRACT 9A (BASIN 1) AND FOR UNDEVELOPED TRACT 9B (BASIN 2)



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

Weighted E Method										
Zone #1	Area (sf)	Area (acres)	Area (sq miles)	Treatment A (%)	Treatment B (%)	Treatment C (%)	Treatment D (%)	Weighted E (ac-ft)	Volume (ac-ft)	Flow (cfs)
Interim Drainage: 150K (Tract 9A) site developed, BlueSky (Tract 9B) site undeveloped, Drainage pond full retention (no outfall to Bluewater storm drain)										
1 (Tract 9A)	422532.00	9.700	0.01516	0%	31%	3.007	0%	6.693	1.567	35.35
2 (Tract 9B)	278784.00	6.400	0.01000	100%	6.4	0%	0.000	0.440	0.235	8.26
Total	701316.00	16.100	0.02516					6.693	1.501	43.61
<b>Equations:</b>										
Weighted E = $E_a \cdot A_a + E_b \cdot A_b + E_c \cdot A_c + E_d \cdot A_d / (\text{Total Area})$										
Volume = Weighted E * Total Area										
Flow = $Q_a \cdot A_a + Q_b \cdot A_b + Q_c \cdot A_c + Q_d \cdot A_d$										
Volume (10 Day) = $V_{360} + A_d \cdot (P_{10day} - P_{360}) / 12 \text{ in/hr}$										
Volume (10 Day) =									2.466	ac-ft

City of Albuquerque  
Planning Department  
Development Review Services  
**HYDROLOGY SECTION**  
**APPROVED**  
DATE: 10/13/22  
BY: *Ronald R. Bohannan*  
Hydrologist # K09D051

**CAUTION**

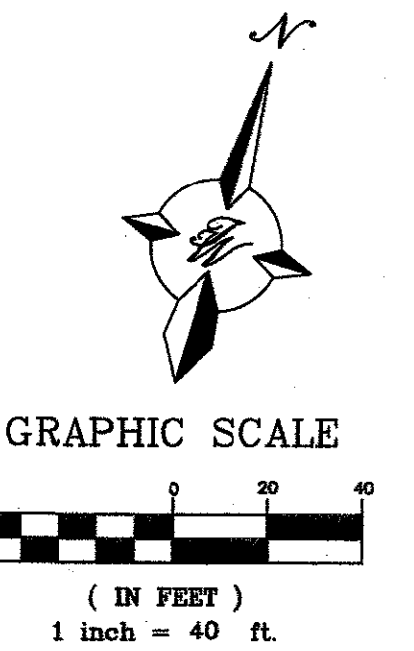
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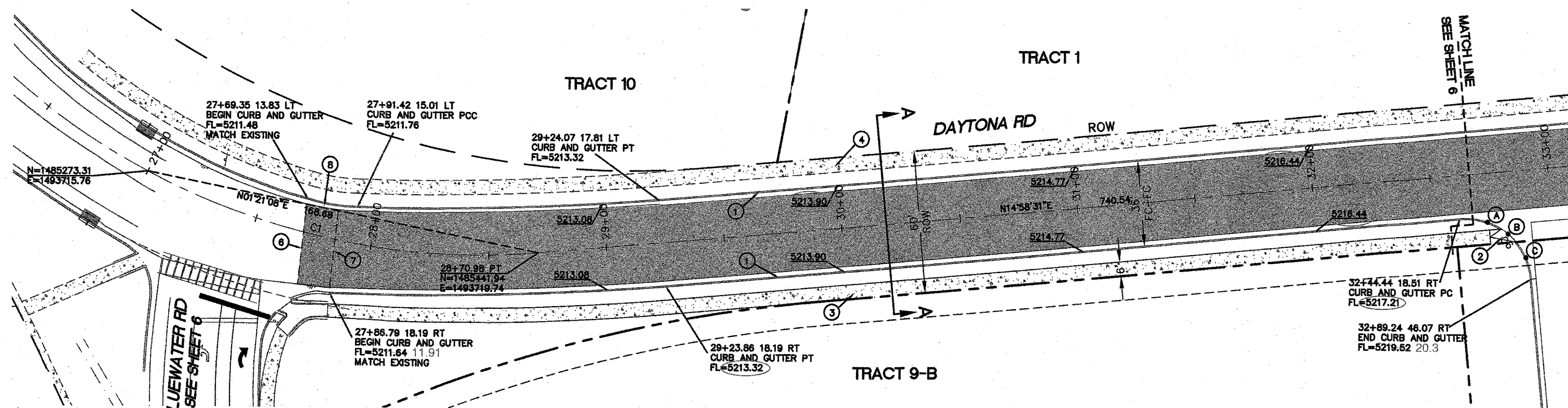
ENGINEER'S SEAL  
RONALD R. BOHANNAN  
NEW MEXICO  
7866  
PROFESSIONAL ENGINEER  
10-6-22  
RONALD R. BOHANNAN  
P.E. #7866

**WESTPOINT 6.4 AC TRACT**  
**ALBUQUERQUE, NM**  
**INTERIM GRADING FOR**  
**TRACT 9-A**  
  
**TIERRA WEST, LLC**  
5571 MIDWAY PARK PL NE  
ALBUQUERQUE, NEW MEXICO 87109  
(505) 858-3100  
www.tierrawestllc.com

DRAWN BY  
pm  
DATE  
10-6-22  
DRAWING  
  
SHEET #  
**1**  
JOB #  
2020088

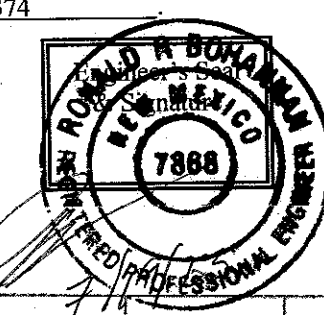






**CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS**

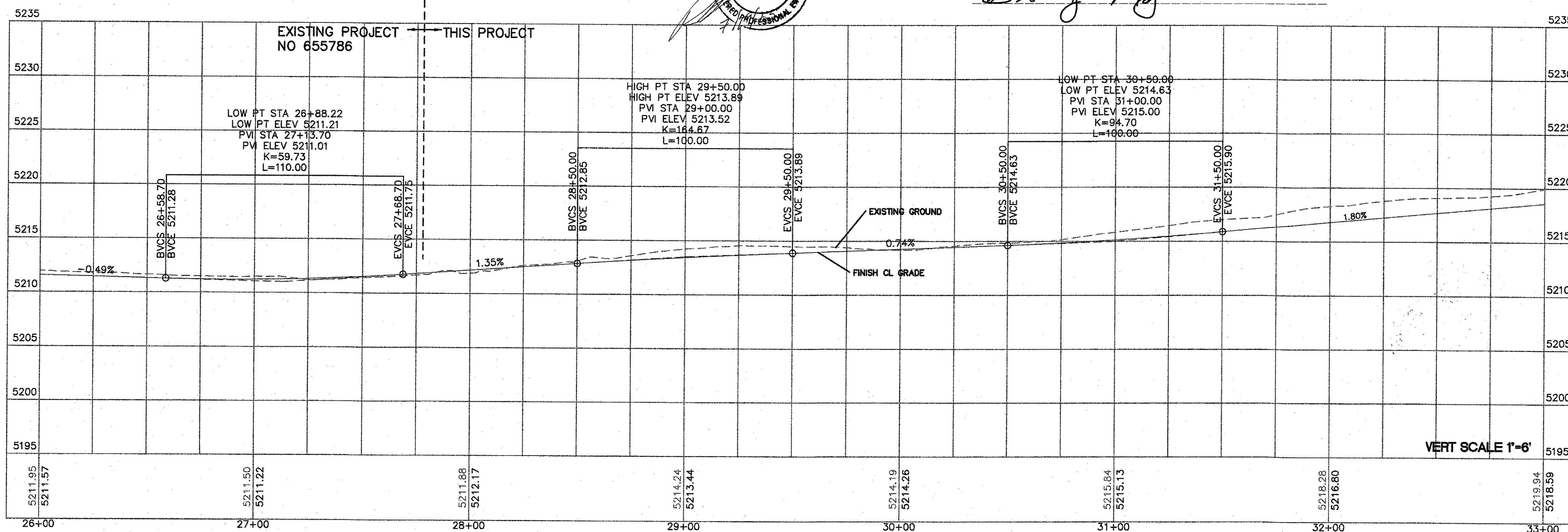
I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction with survey information provided by Brian Martinez, of Cartesian Surveys, Inc., NMPS number 18374.



**Certification**

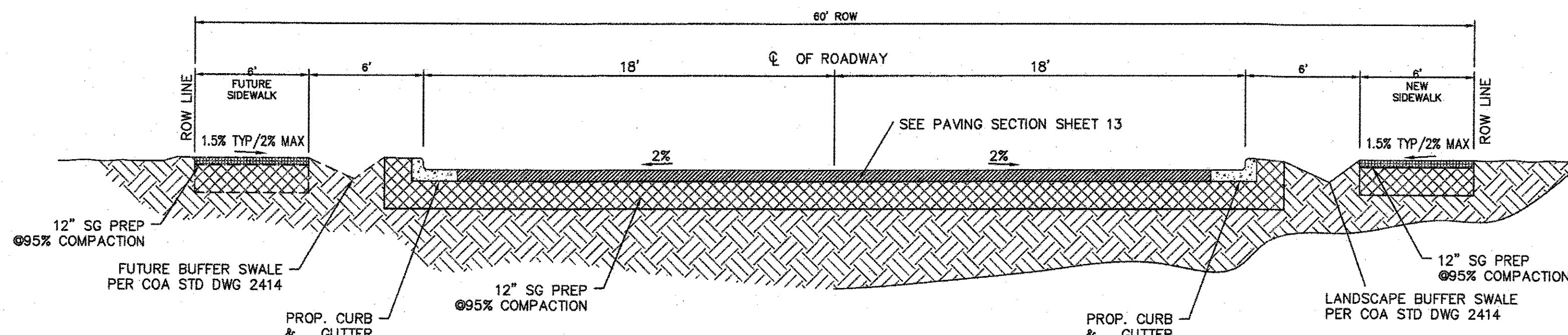
THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICALLY AND HORIZONTALLY) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*B. J. Martinez*



**LEGEND**

- CURB & GUTTER
- BOUNDARY LINE
- - - EXISTING CURB & GUTTER
- - - EXISTING BOUNDARY LINE
- - - CENTERLINE
- - - RIGHT-OF-WAY
- SIDEWALK
- SAWCUT
- NEW AC PAVEMENT

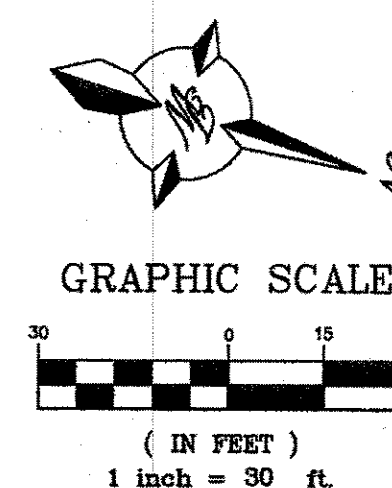


- KEYED NOTES**
- 1 STANDARD CURB AND GUTTER (TYP) PER COA STD DWG 2415A
  - 2 UNIDIRECTIONAL ACCESSIBLE RAMP SEE DETAIL SHEET 13
  - 3 6' CONCRETE SIDEWALK PER COA STD DWG 2430
  - 4 FUTURE 6' CONCRETE SIDEWALK
  - 5 6' VALLEY GUTTER PER COA STD DWG 2420
  - 6 27+73.8 SAWCUT AND BEGIN REMOVAL OF EXISTING PAVEMENT
  - 7 27+86.5 EXISTING END OF PAVEMENT, REMOVE CUTOFF WALL AND BARRICADES AND 17 LF EXISTING PAVING
  - 8 REMOVE AND DISPOSE 18 LF EXISTING CURB AND GUTTER 27+69.35 TO 27+87.35

**QUARTER POINTS**

FL	ELEV.
A	5217.79
B	5218.37
C	5218.94

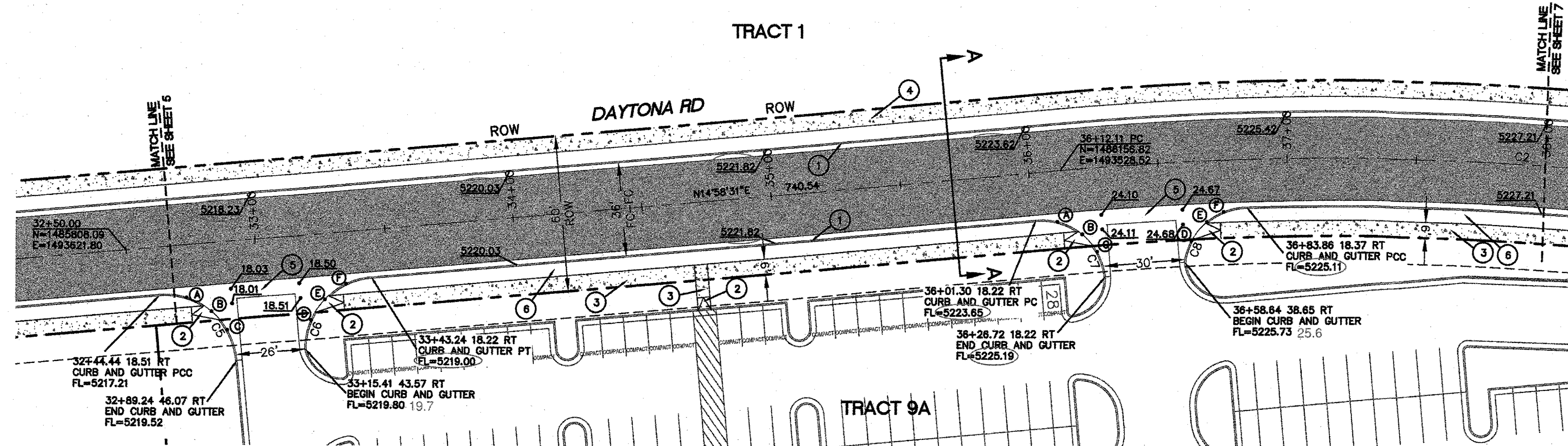
CURVE	DELTA	RADIUS	LENGTH
C1	32°39'17"	300.00	170.98
C6	89°42'25"	28.00	43.84



<b>TIERRA WEST, LLC</b> 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrawestllc.com	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
<b>TITLE:</b> DAYTONA ROAD ROAD IMPROVEMENTS 27+50 TO 32+67	
DESIGN REVIEW COMMITTEE APPROVED Oct. 19, 2022 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVED Jan. 12, 2023 CITY ENGINEER
CITY PROJECT NO. 655793	ZONE MAP NO. K-9-Z
SHEET 5	OF 19

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	STANDARD A.G.R.S. BRASS TABLET	DATE	NO.	BY	NO.	BY
WORK	DATE	NEW MEXICO STATE PLANE COORDINATES	DATE				
STAKED BY	DATE	(CENTRAL ZONE - N.A.D. 1983)					
ADJUSTED BY	DATE	N=1,487,384.063					
FIELD CONTROL BY	DATE	E=1,491,180.919					
DRAWINGS	DATE	PUBLISHED EL=5318.688 (NAVD 1989)					
CORRECTED BY	DATE	GROUND TO GRID FACTOR=0.99975003					
MICRO-FILM INFORMATION	DATE	DELTA ALPHA ANGLE=-07°12'26"					
RECORDED BY	DATE						
NO.							





KEYED NOTES

- STANDARD CURB AND GUTTER (TYP) PER COA STD DWG 2415A
- UNIDIRECTIONAL ACCESSIBLE RAMP SEE DETAIL SHEET 13
- 6' CONCRETE SIDEWALK PER COA STD DWG 2430
- FUTURE 6' CONCRETE SIDEWALK
- 6' VALLEY GUTTER PER COA STD DWG 2420
- LANDSCAPE BUFFER SWALE PER COA STD DWG 2414

QUARTER POINTS

C5	FL	ELEV.	C6	FL	ELEV.
A	5218.18		D	5219.60	
B	5218.91		E	5219.40	
C	5219.65		F	5219.20	

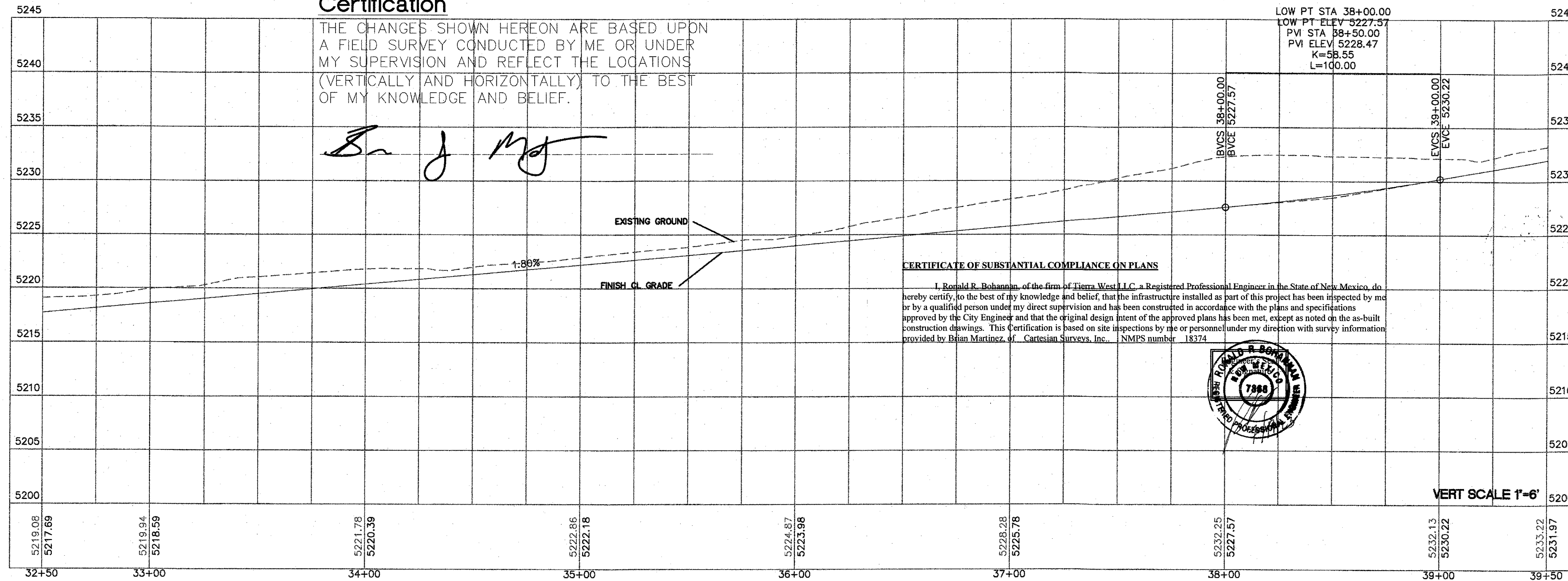
C7	FL	ELEV.	C8	FL	ELEV.
A	5224.03		D	5225.57	
B	5224.42		E	5225.42	
C	5224.80		F	5225.26	

CURVE	DELTA	RADIUS	LENGTH
C5	89°42'25"	28.00	43.84
C6	83°02'29"	28.00	40.58
C7	87°45'28"	25.00	38.29
C8	76°06'54"	25.00	33.21

Certification

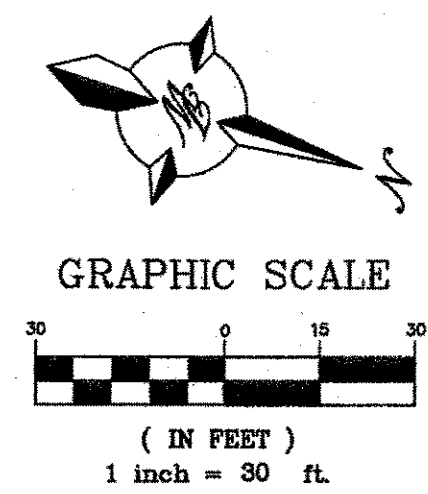
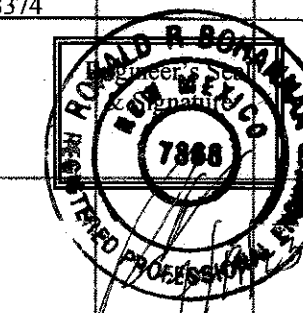
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*[Signature]*



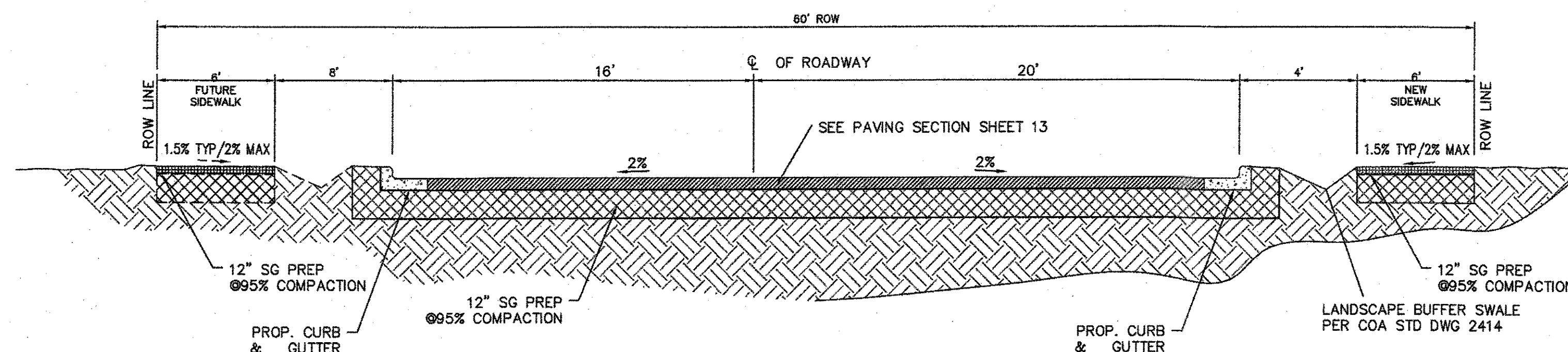
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West, LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction with survey information provided by Brian Martinez of Cartesian Surveys, Inc. NMPS number 18374



LEGEND

- CURB & GUTTER
- BOUNDARY LINE
- EXISTING CURB & GUTTER
- EXISTING BOUNDARY LINE
- CENTERLINE
- SIDEWALK
- NEW AC PAVING

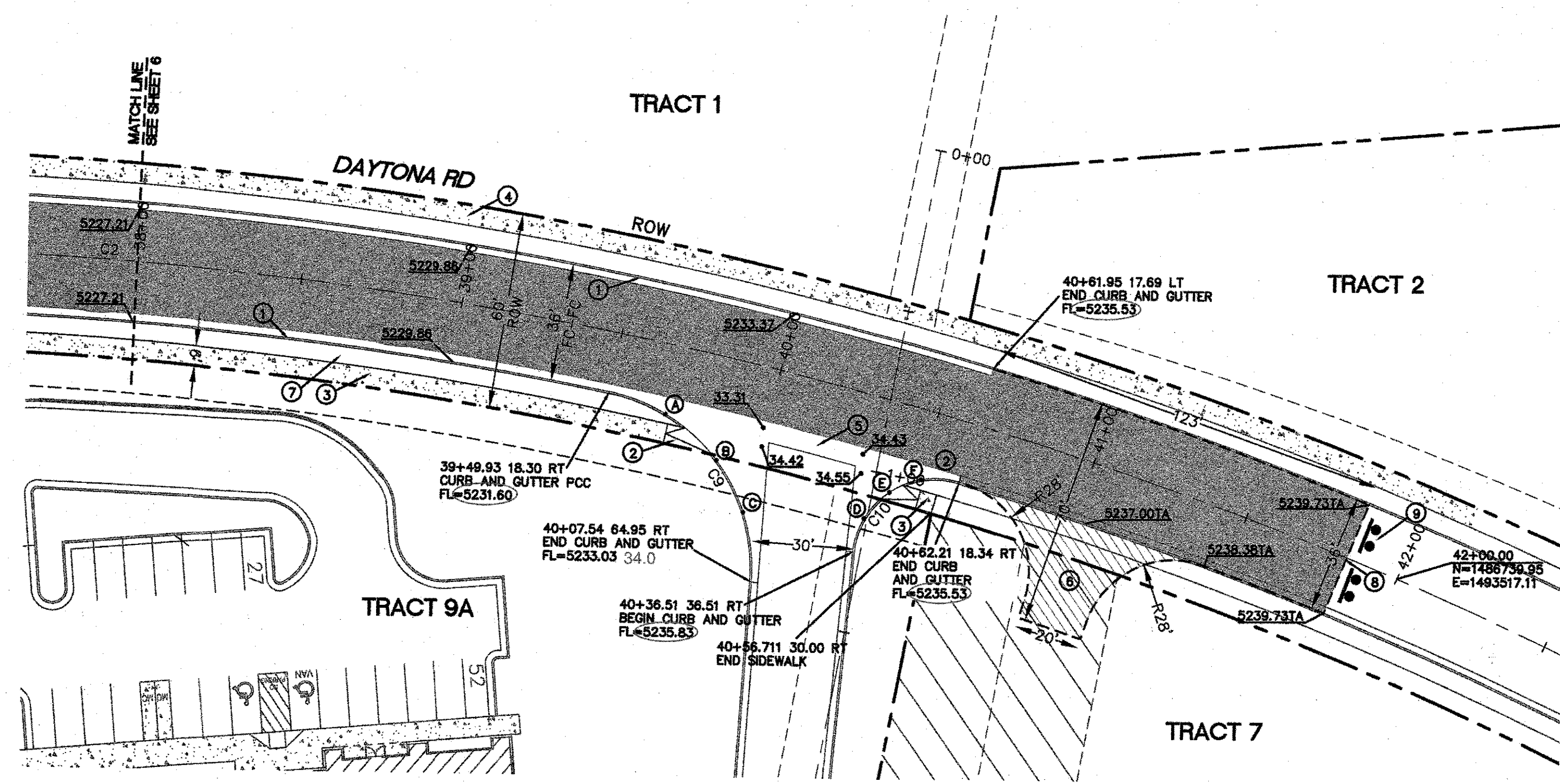


DAYTONA ROAD SECTION A-A

AS BUILT INFORMATION		CONTRACTOR: <i>[Signature]</i> DATE: 2/23	
BENCH MARKS		STANDARD A.G.S. BRASS TABLET NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE - N.A.D. 1983) N=1497864.063 E=149190.819 PUBLISHED EL=5319.688 (NAVD 1989) GROUND TO GRID FACTOR=0.99975005 DELTA ALPHA ANGLE=-071712.6"	
SURVEY INFORMATION		FIELD NOTES	
NO.	BY	DATE	
ENGINEER'S SEAL		REMARKS	
		DESIGN DATE: OCT, 2022 DRAWN BY: pm JOB NO.: 2020088 CHECKED BY: RRB DATE: OCT, 2022	

TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrawestllc.com	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: <b>DAYTONA ROAD          ROAD IMPROVEMENTS 32+67 TO 38+00</b>	
DESIGN REVIEW COMMITTEE APPROVED Oct. 19, 2022	CITY ENGINEER APPROVAL APPROVED Jan. 12, 2023 CITY ENGINEER
CITY PROJECT NO. 655793	SHEET 6 OF 19 ZONE MAP NO. K-9-Z





KEYED NOTES

- STANDARD CURB AND GUTTER (TYP) PER COA STD DWG 2415A
- UNIDIRECTIONAL ACCESSIBLE RAMP SEE DETAIL SHEET 13
- 6' CONCRETE SIDEWALK PER COA STD DWG 2430
- FUTURE 6' CONCRETE SIDEWALK
- 6' VALLEY GUTTER PER COA STD DWG 2420
- TEMPORARY ASPHALT TURNAROUND, PAVEMENT SECTION TO MATCH ROADWAY
- LANDSCAPE BUFFER SWALE PER COA STD DWG 2414
- CUTOFF WALL PER COA STD DWG 2415B
- TYPE III BARRICADE W/ROAD CLOSED SIGN

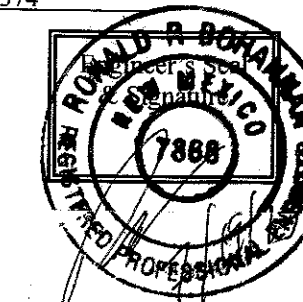
QUARTER POINTS

C9	FL	ELEV.	C10	FL	ELEV.
	A	5231.95		D	5235.76
	B	5232.31		E	5235.68
	C	5232.67		F	5235.60

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C2	27°48'48"	1213.35	589.00
C9	82°35'28"	55.00	79.28
C10	101°31'35"	25.00	44.30

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

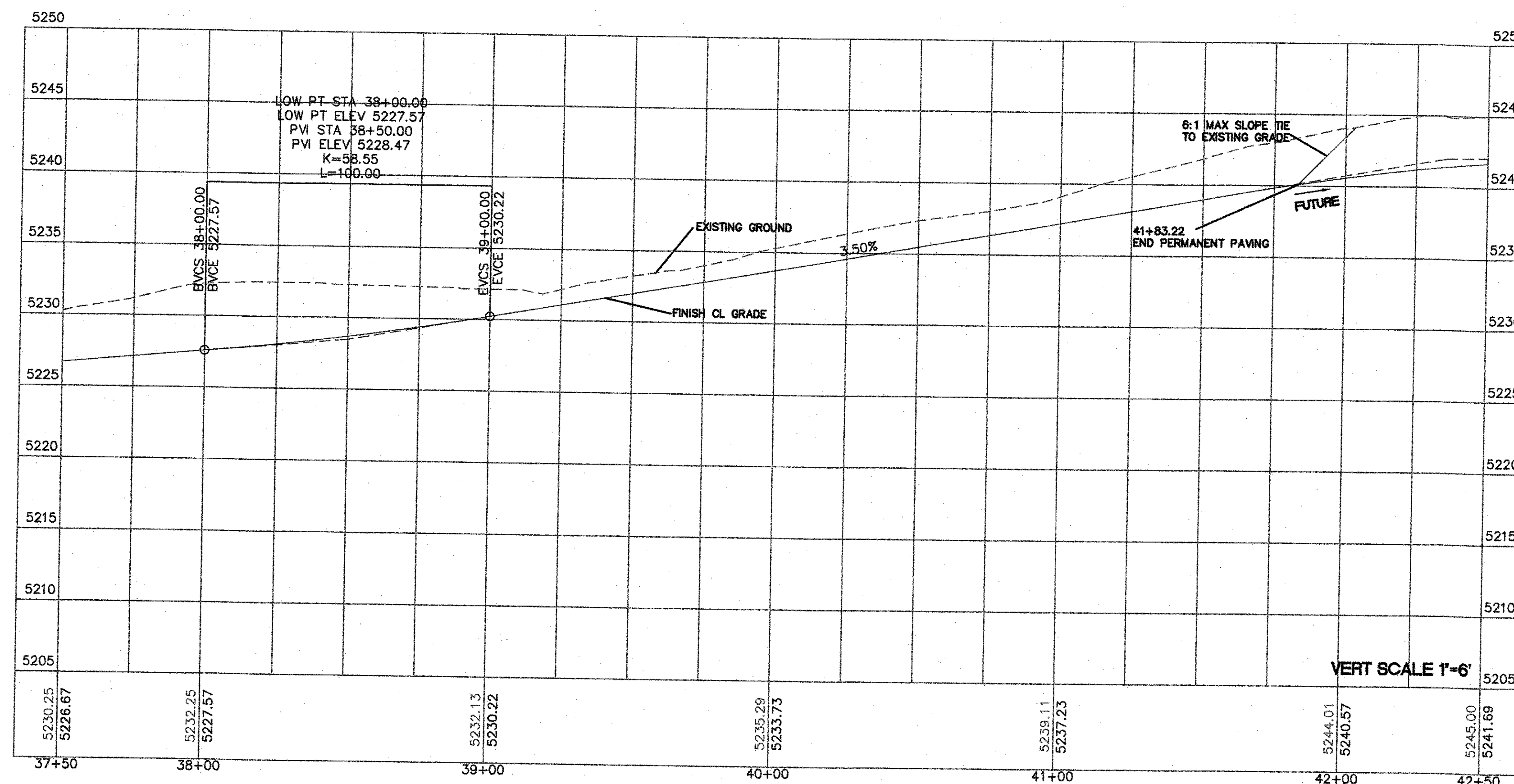
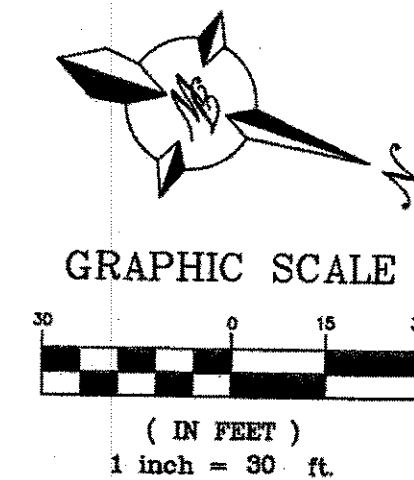
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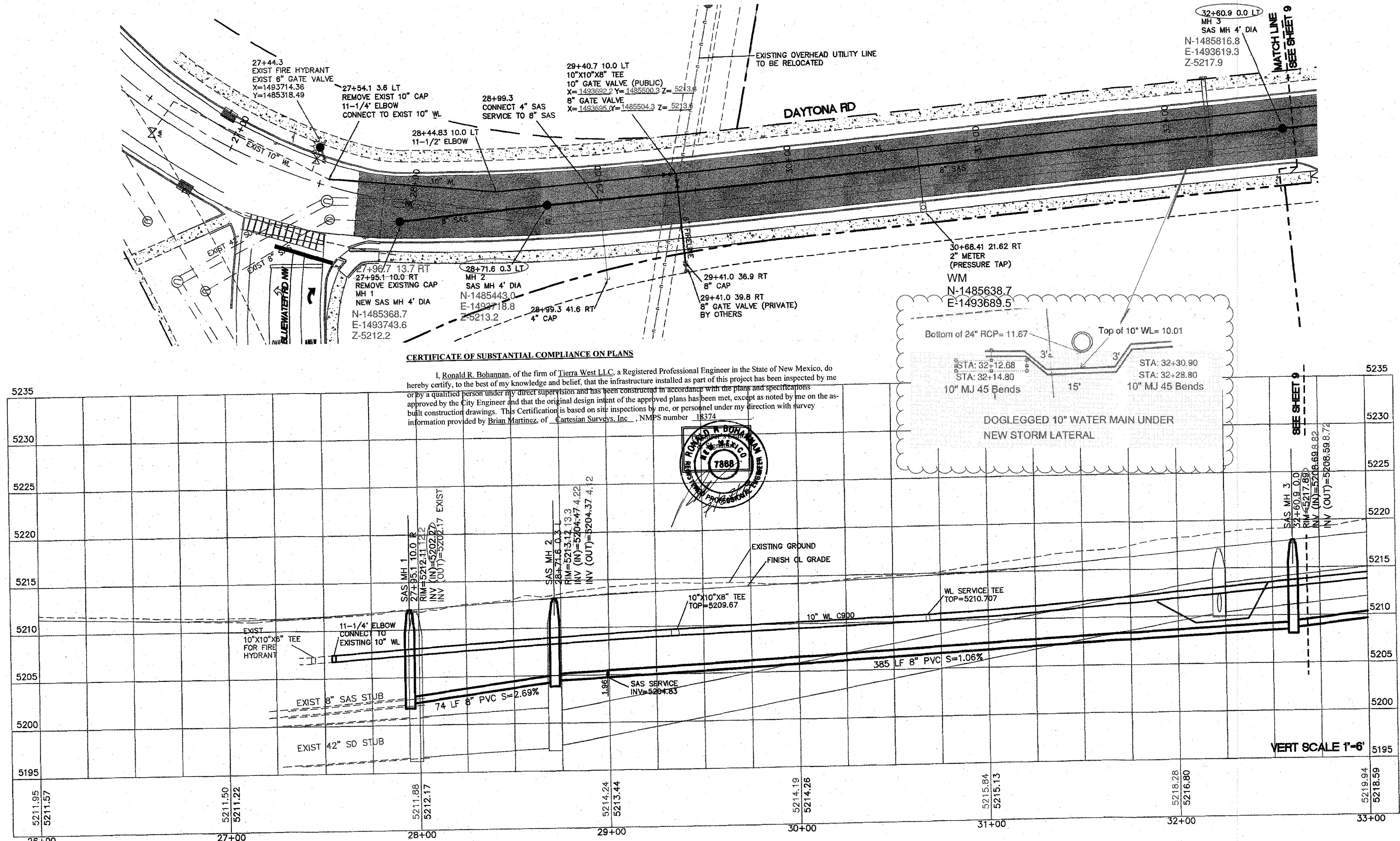
*B. J. M.*



<b>TIERRA WEST, LLC</b> 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrawestllc.com		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: <b>DAYTONA ROAD PLAN AND PROFILE 38+00 TO 42+00</b>			
DESIGN REVIEW COMMITTEE <b>APPROVED</b> Oct. 19, 2022 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL <b>APPROVED</b> Jan. 12, 2023 CITY ENGINEER	MO./DAY/YR. _____ _____ _____	MO./DAY/YR. _____ _____ _____
CITY PROJECT NO. 655793		ZONE MAP NO. K-9-Z	SHEET 7 OF 19

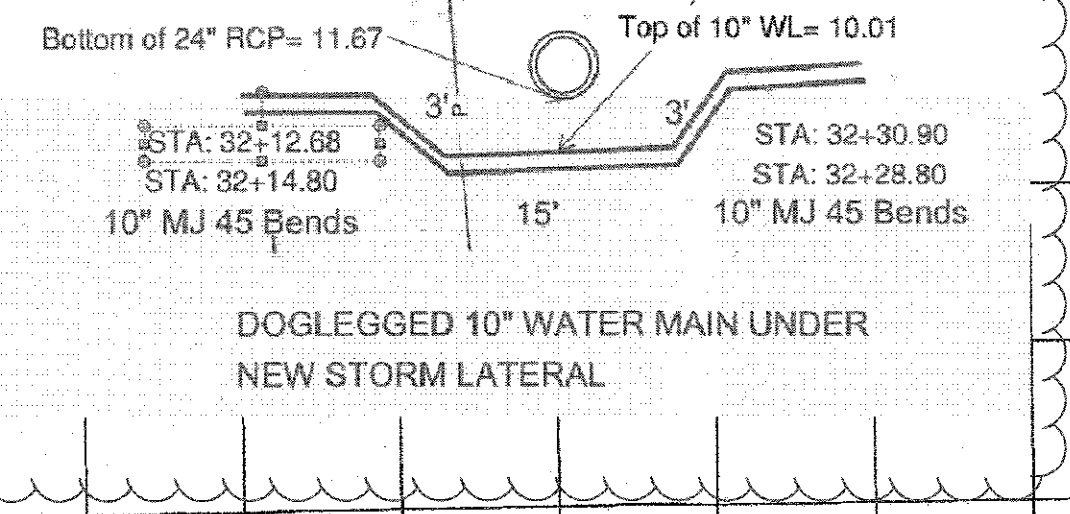
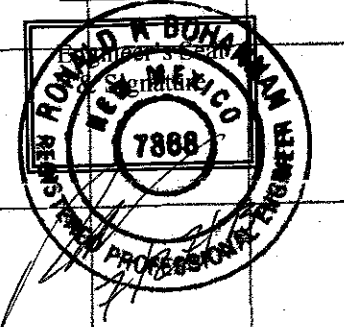
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	STANDARD A.C.S. BRASS TABLE	DATE	NO.	BY	NO.	BY
WORK	DATE	NEW MEXICO STATE PLANE COORDINATES	DATE				
APPROVED BY	DATE	(CENTRAL ZONE-N.A.D. 1983)					
FIELD	DATE	N=1,487,894.083					
DRAWN	DATE	E=1,487,190.819					
CHECKED	DATE	PUBLISHED EL=5319.688 (NAVD 1989)					
		GROUND TO GRID FACTOR=0.999675005					
		DELTA ALPHA ANGLE=07712.28"					





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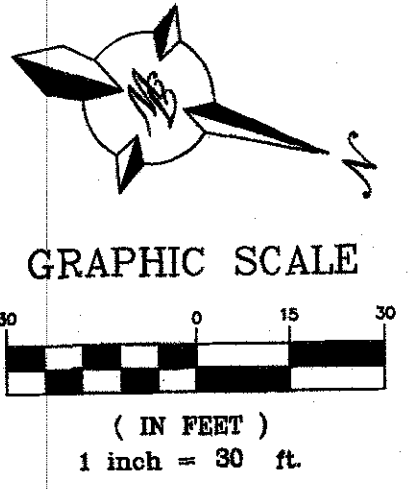


**LEGEND**

---	CURB & GUTTER
---	BOUNDARY LINE
---	EASEMENT
---	CENTERLINE
---	RIGHT-OF-WAY
---	BUILDING
---	SIDEWALK
---	EXISTING CURB & GUTTER
---	EXISTING BOUNDARY LINE
---	RETAINING WALL
---	SANITARY SEWER LINE
---	WATERLINE
●	PROPOSED HYDRANT
●	NEW SAS MH
○	NEW WATER METER

- NOTES:**
1. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.
  2. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
  3. ALL WATERLINES ARE C900 PVC (DR18) UNLESS OTHERWISE NOTED.
  4. ALL SANITARY SEWER LINES ARE TO BE SDR35 UNLESS OTHERWISE NOTED.

- GENERAL UTILITY NOTES:**
1. 3' MINIMUM BURY REQUIRED FOR ALL UTILITIES UNLESS OTHERWISE NOTED.
  2. IRRIGATION AND DOMESTIC WATERLINE MUST HAVE BACKFLOW PREVENTORS PER UPC. IF BACKFLOW PREVENTOR IS INSTALLED EXTERIOR OF BUILDING A HOT BOX SHALL BE INSTALLED AND USED. (PRIVATE, NOT PART OF WORK ORDER)
  3. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.



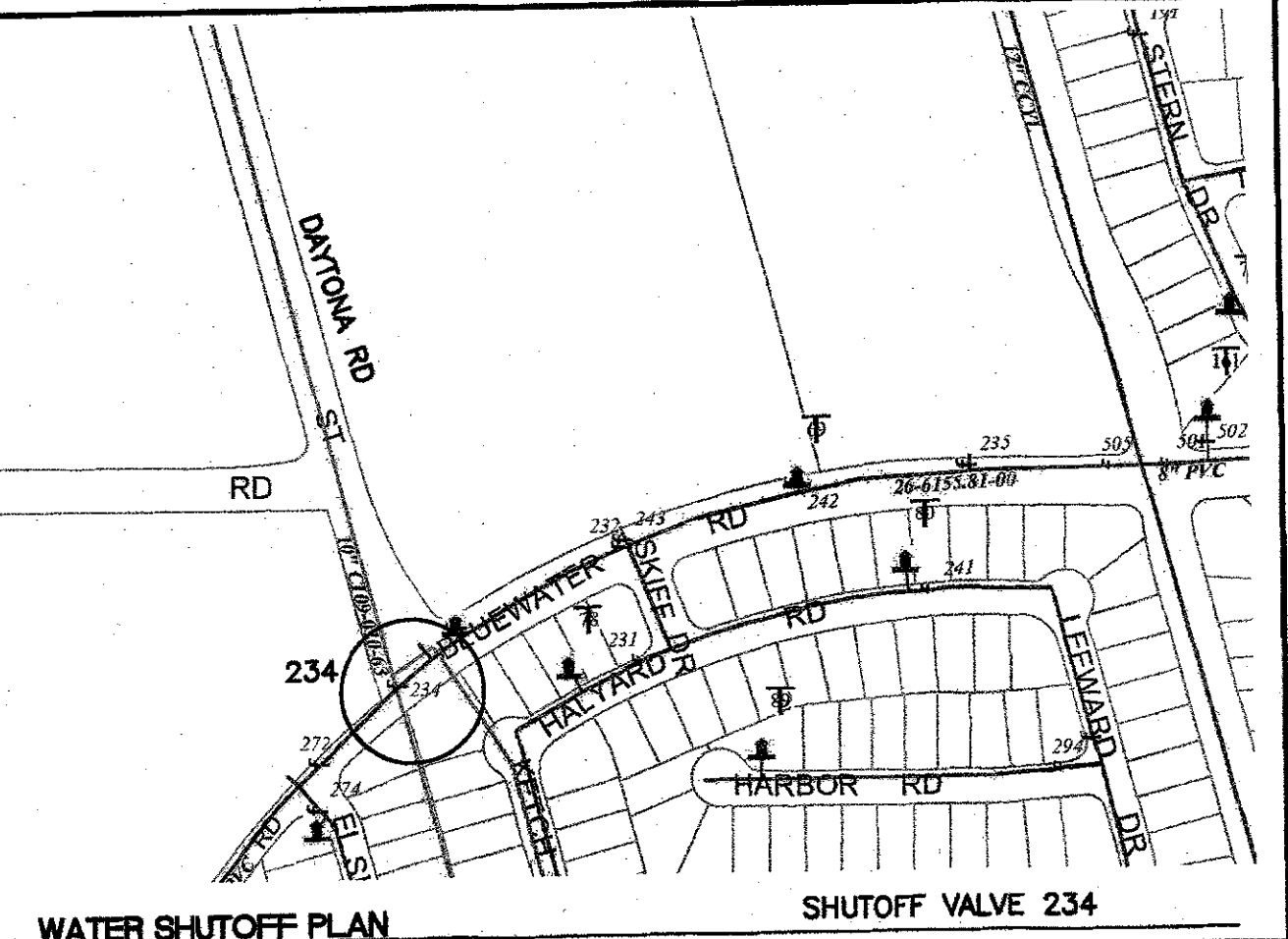
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THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST 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/463/729/](http://abcwua.org/content/view/463/729/)

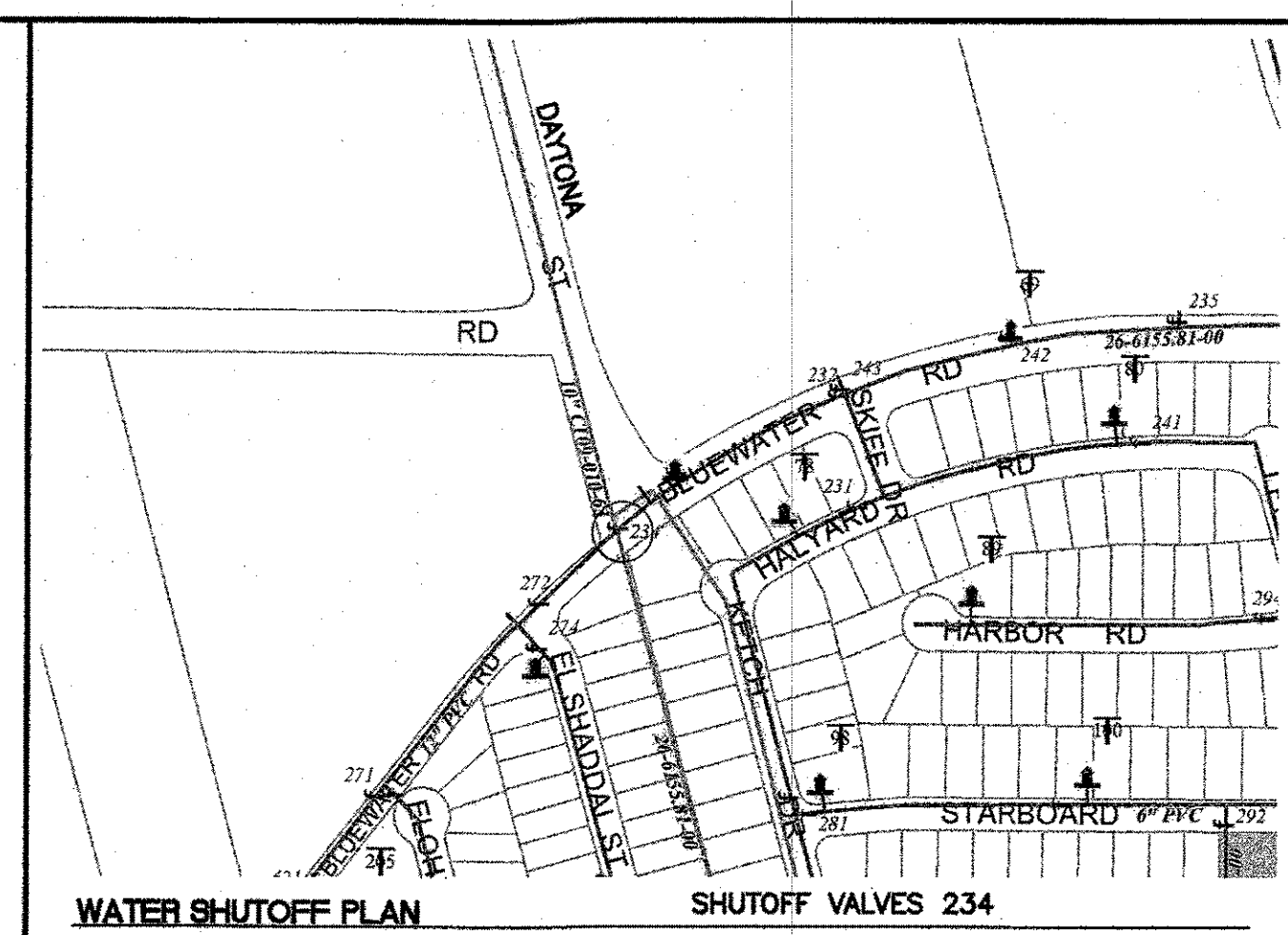
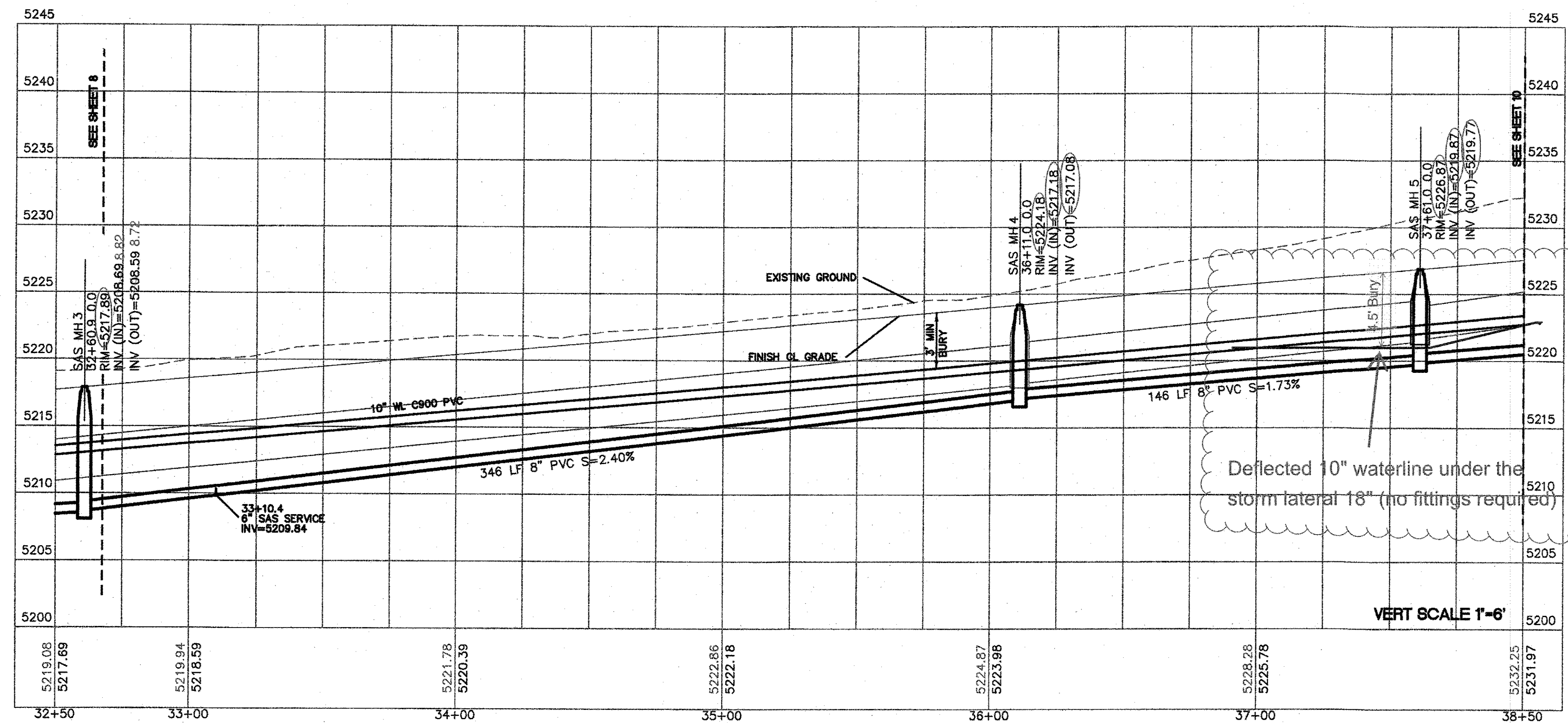
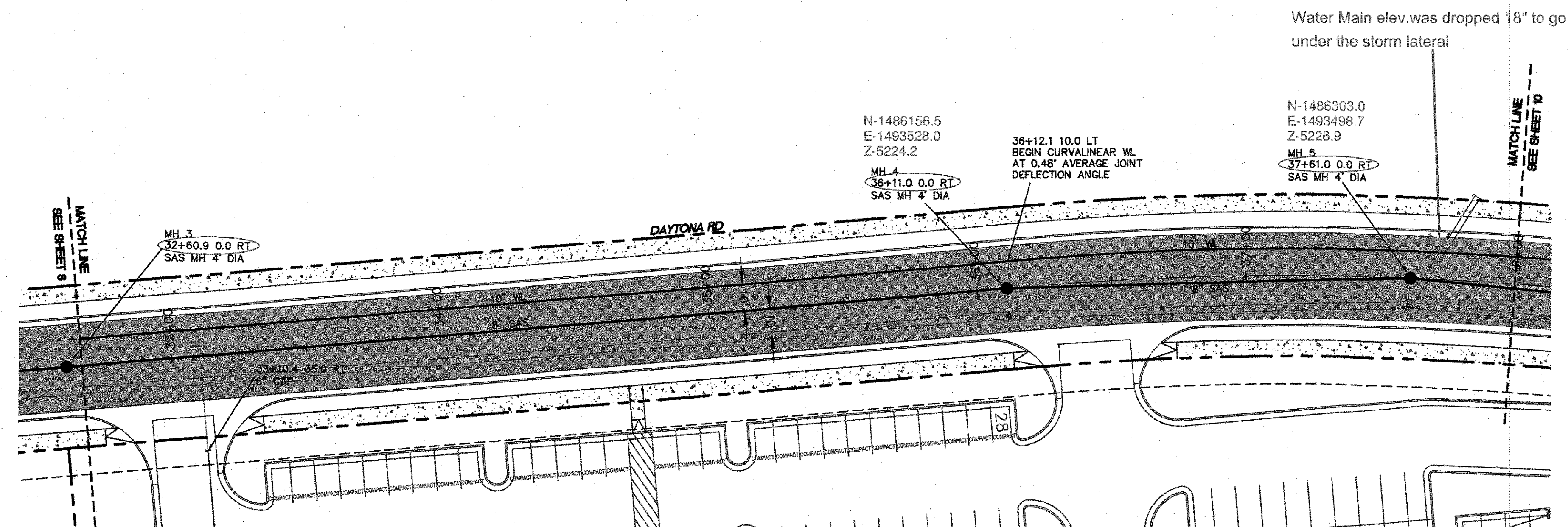
- NOTES**
1. WL SERVICE AND METERS PER COA STD DWG 2301, 2361, 2363 AND 2367
  2. FIRE HYDRANT AND VALVES PER COA STD DWG 2326, 2328 AND 2340
  3. SAS CONNECTION PER COA STD DWG 2125
  4. FIRELINE TIES PER COA STD DWG 2301, 2326, 2329 AND 2394
  5. TRENCH SECTION PER COA STD DWG 2315
  6. BACKFLOW PREVENTER ON ALL DOMESTIC WATER LINES (FOR INFORMATION ONLY)
  7. MANHOLE PER COA STD DWG 2102
  8. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING. EXISTING VALVES AND MANHOLES SHALL NOT BE BURIED OR PAVED OVER BUT RIMS SHALL BE ADJUSTED TO MATCH NEW GRADE PER COA STANDARD DRAWINGS 2460 AND 2461.
  9. MANHOLE RIMS, FIRE HYDRANT ELEVATIONS, AND FLANGE ELEVATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT OR SURFACE GRADES.
  10. REFERENCE WATER & SANITARY SEWER AVAILABILITY STATEMENT #210915 DATED 11-5-2021
  11. PROPOSED WATERLINE MATERIALS SHALL BE PVC PIPE MEETING AWWA C-900: DR18 REQUIREMENTS (8"-12") OR DUCTILE IRON PIPE MEETING AWWA C-150 REQUIREMENTS (6"-48").
  12. ALL WATERLINE FITTINGS, VALVES, BENDS, TEES, CROSSES AND APPURTENANCES SHALL BE DUCTILE IRON AND HAVE RESTRAINED JOINTS UNLESS OTHERWISE NOTED ON THE PLANS. THE JOINT RESTRAINT REQUIREMENTS SHOULD BE DELINEATED WITHIN A JOINT RESTRAINT TABLE.
  13. ALL SANITARY SEWER LINE STATIONING REFERS TO SANITARY SEWER CENTERLINE STATIONING. EXCEPT WHEN PROFILED WITHIN A PROPOSED OR EXISTING STREET, WHERE STREET STATIONING SHALL GOVERN.
  14. ALL FINAL BACKFILL FOR TRENCHES SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY STANDARD SPECIFICATIONS SECTION 701.14.2 AND STANDARD DRAWING NUMBER 2465.

14. ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO THE ABOVE
15. CONTRACTOR SHALL PROVIDE THE PROPOSED HYDRO TESTING PLANS TO THE WUA INSPECTIONS FOR APPROVAL PRIOR TO BEGINNING TESTING OPERATIONS.
16. AT UTILITY CROSSINGS, WHERE LESS THAN 18" OF VERTICAL SEPARATION FROM STORM DRAIN PIPING OR STRUCTURES IS PROPOSED, LEAN FILL CONSTRUCTED (PER SECTION 207 OF THE STANDARD SPECIFICATIONS) SHALL BE USED TO PROTECT THE WATER OR SEWER LINE. LEAN FILL SHALL EXTEND A PERPENDICULAR DISTANCE OF 5 FEET ON EACH SIDE OF THE STORM PIPE OR STRUCTURE.

SEE SHEET 11

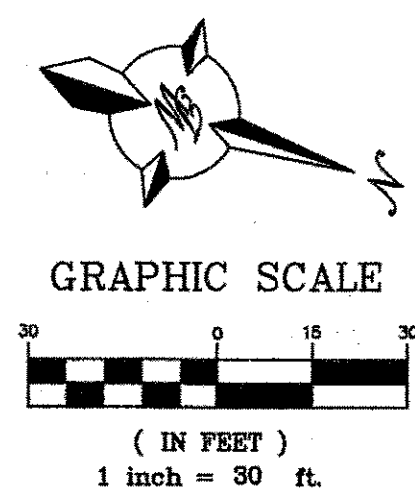
<b>TIERRA WEST, LLC</b> 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrawestllc.com	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: <b>DAYTONA ROAD UTILITY IMPROVEMENTS 27+50 TO 32+67</b>	
DESIGN REVIEW COMMITTEE <b>APPROVED</b> Oct. 19, 2022	CITY ENGINEER APPROVAL <b>APPROVED</b> Jan. 12, 2023
CITY PROJECT NO. 655793	ZONE MAP NO. K-9-Z
SHEET 8	OF 19





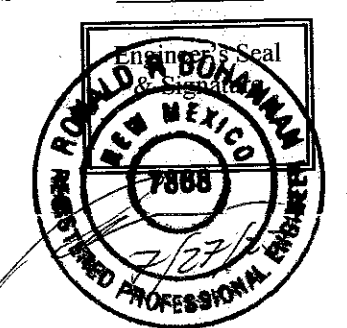
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- LEGEND**
- CURB & GUTTER
  - - - BOUNDARY LINE
  - - - EASEMENT
  - - - CENTERLINE
  - - - RIGHT-OF-WAY
  - BUILDING
  - SIDEWALK
  - - - EXISTING CURB & GUTTER
  - - - EXISTING BOUNDARY LINE
  - - - RETAINING WALL
  - 8" SAS — NEW SANITARY SEWER LINE
  - 8" WL — NEW WATERLINE
  - PROPOSED HYDRANT
  - NEW SAS MH
  - NEW WATER METER
  - NEW AC ASPHALT
  - 8" SAS — EXIST SANITARY SEWER LINE
  - 8" WL — EXIST WATERLINE



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AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	STANDARD	DATE	DATE	BY	NO.	REMARKS
CONTRACTOR: [blank]	DATE: 2023	STANDARD: A.G.S. BRASS TABLET	DATE: 2023	DATE: 2023	BY: [blank]	NO.: [blank]	REMARKS: [blank]
INSPECTOR: [blank]	DATE: 2023	NEW MEXICO STATE PLANE COORDINATES	DATE: 2023	DATE: 2023	BY: [blank]	NO.: [blank]	REMARKS: [blank]
ADJUSTMENT: [blank]	DATE: 2023	(CENTRAL ZONE-N.A.D. 1983)	DATE: 2023	DATE: 2023	BY: [blank]	NO.: [blank]	REMARKS: [blank]
VERIFICATION: [blank]	DATE: 2023	N=1,487,364.083	DATE: 2023	DATE: 2023	BY: [blank]	NO.: [blank]	REMARKS: [blank]
DRAWING: [blank]	DATE: 2023	E=1,491,100.819	DATE: 2023	DATE: 2023	BY: [blank]	NO.: [blank]	REMARKS: [blank]
RECORDING: [blank]	DATE: 2023	PUBLISHED EL=5316.688 (NAD 1988)	DATE: 2023	DATE: 2023	BY: [blank]	NO.: [blank]	REMARKS: [blank]
MICRO-FILM INFORMATION		GROUND TO GRID FACTOR=0.999675005		DATE: 2023	BY: [blank]	NO.: [blank]	REMARKS: [blank]
		DELTA ALPHA ANGLE=-01712.36"		DATE: 2023	BY: [blank]	NO.: [blank]	REMARKS: [blank]

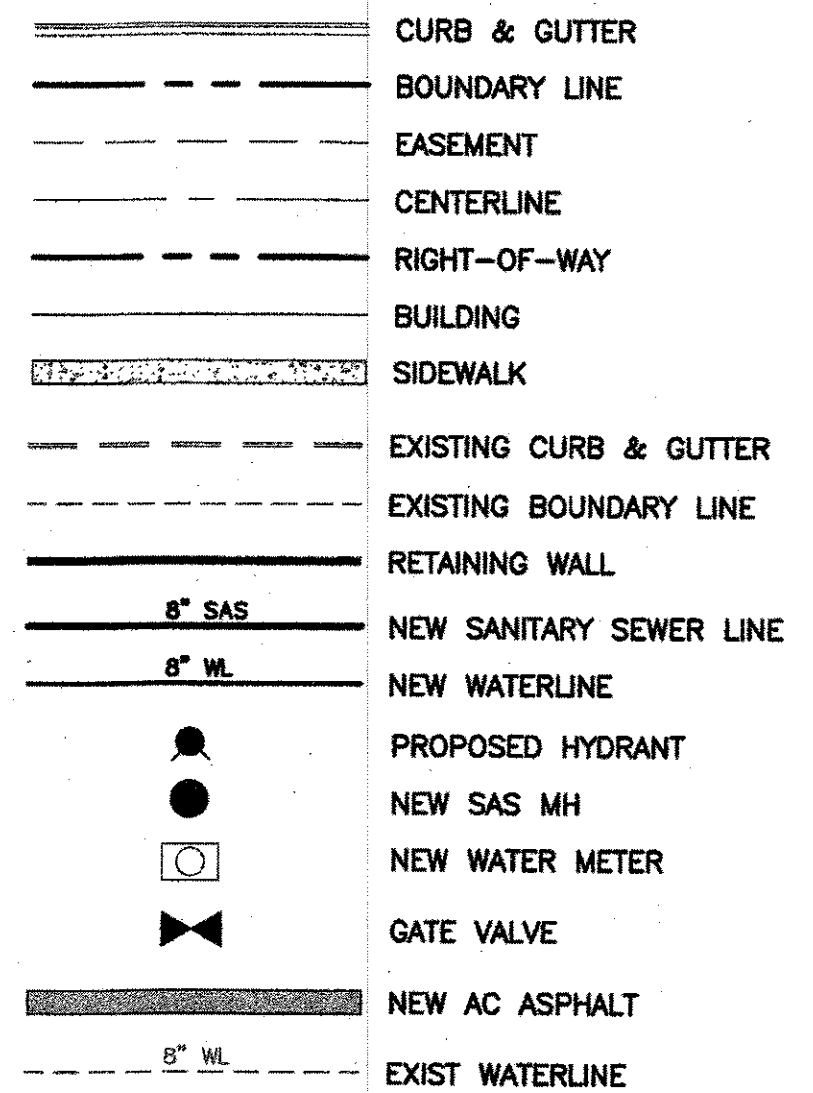
  

DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL		LAST DESIGN UPDATE	
APPROVED	DATE	APPROVED	DATE	MO./DAY/YR.	MO./DAY/YR.
Oct. 19, 2022		Jan. 12, 2023			

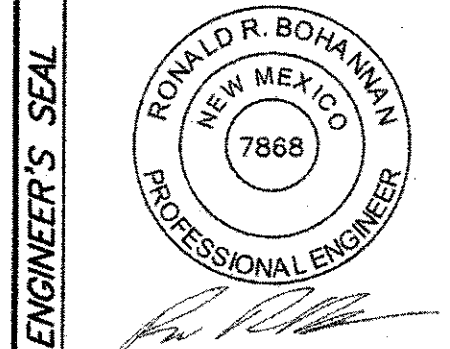
  

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
655793	K-9-Z	9	19





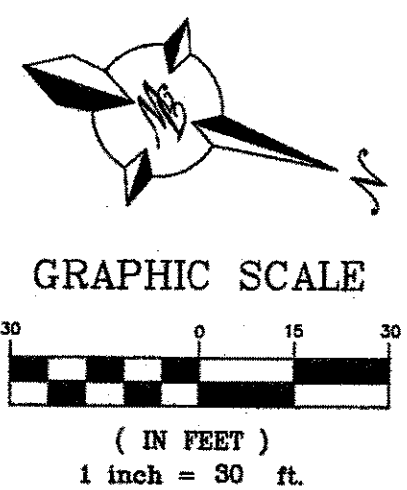
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Er J May



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CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

TITLE: DAYTONA ROAD  
UTILITY IMPROVEMENTS 38+00 TO 42+00

DESIGN REVIEW COMMITTEE

APPROVED

Oct. 19, 2022

DESIGN  
REVIEW COMMITTEE

CITY ENGINEER APPROVAL

APPROVED

Jan: 12, 2023

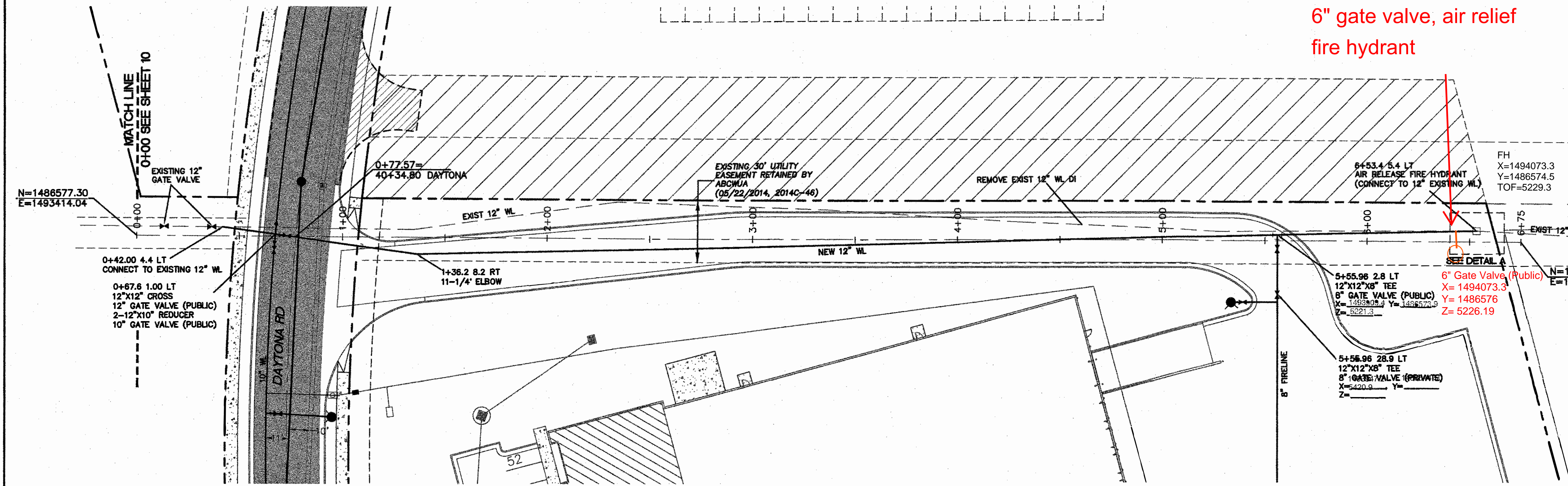
CITY ENGINEER

CITY PROJECT NO. 655793

ZONE MAP NO.  
K-9-Z

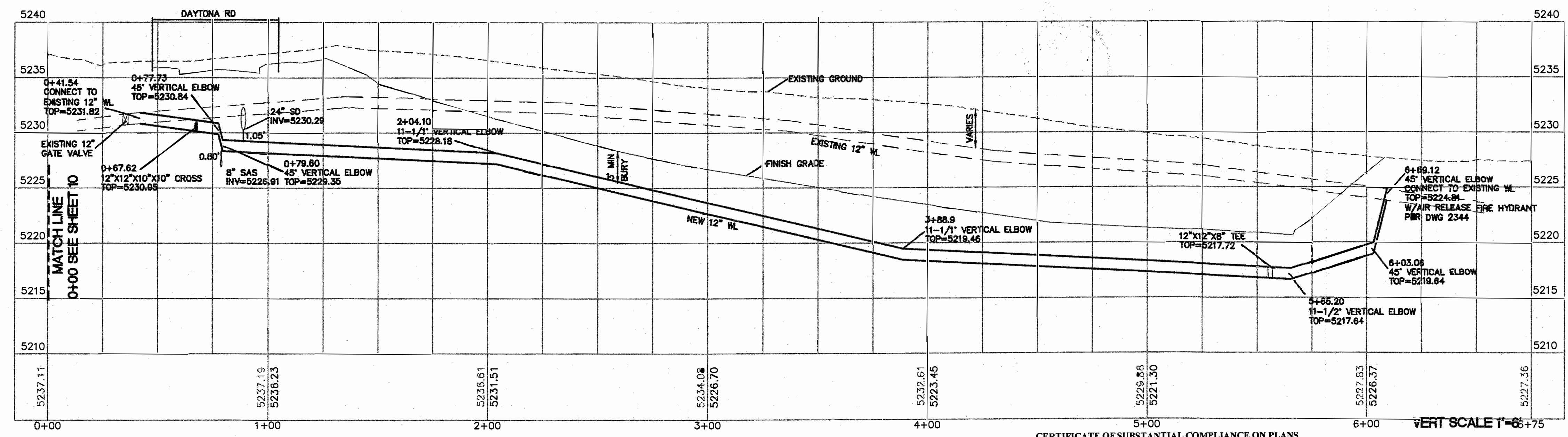
1.	SHEET	OF
	10	19





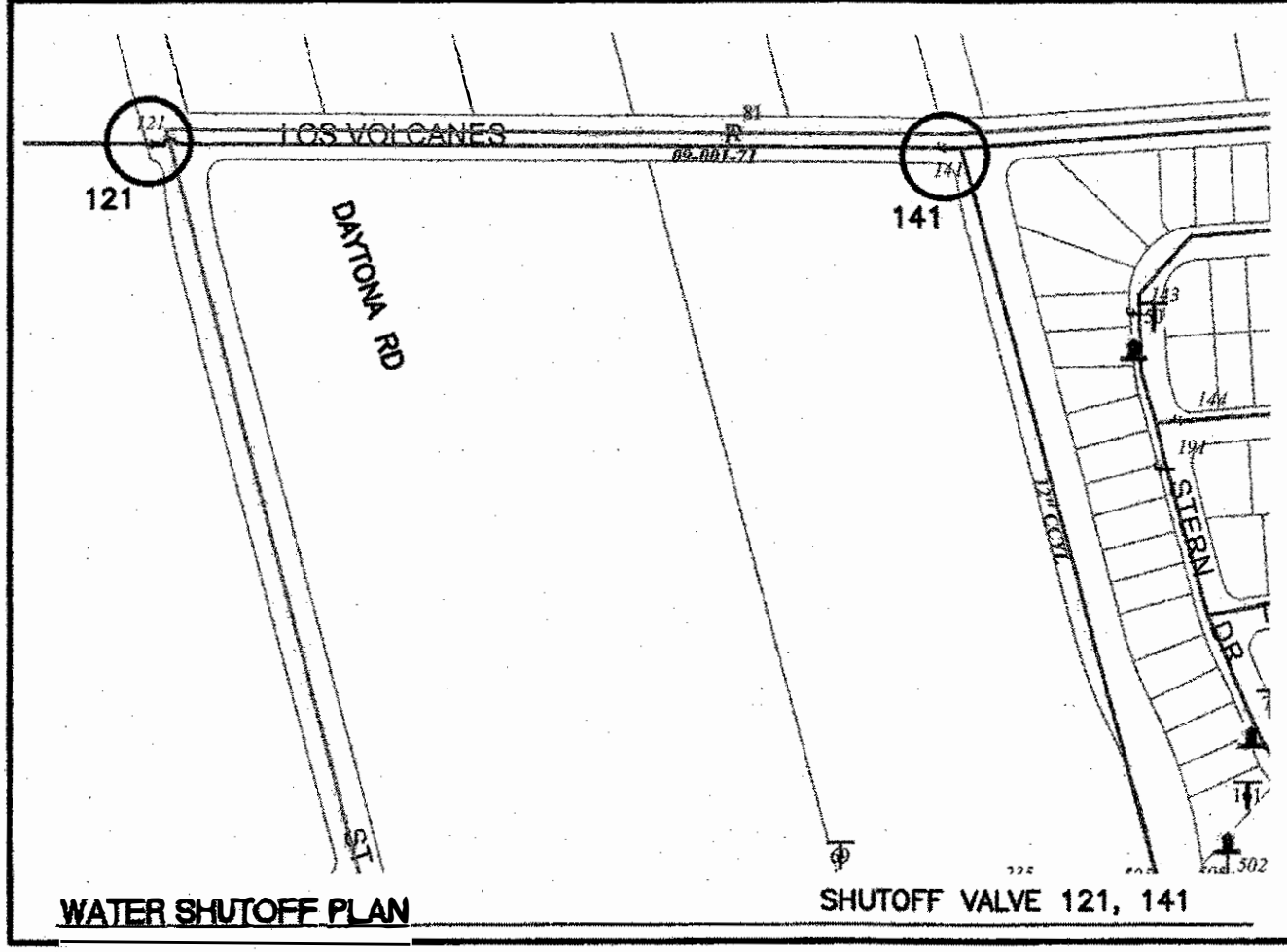
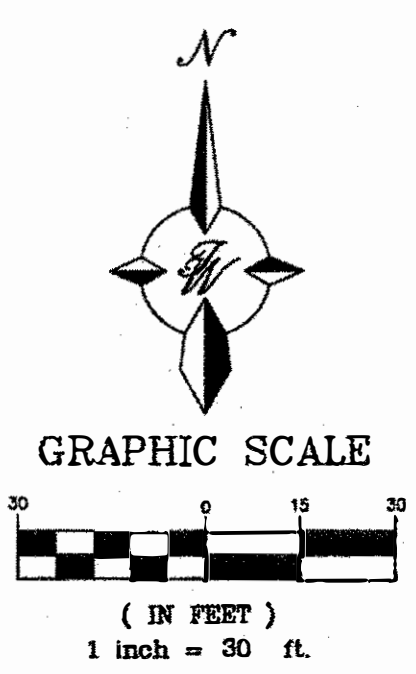
**LEGEND**

---	CURB & GUTTER
---	BOUNDARY LINE
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---	CENTERLINE
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---	SIDEWALK
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○	NEW SAS MH
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○	GATE VALVE
---	NEW AC ASPHALT
---	EXIST WATERLINE

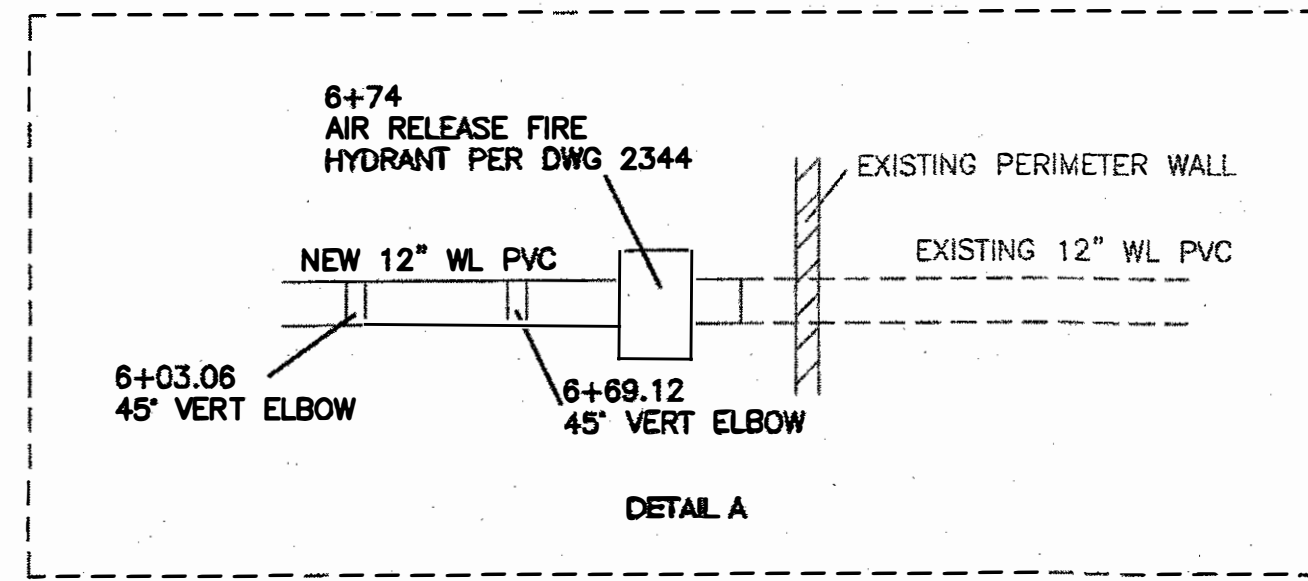


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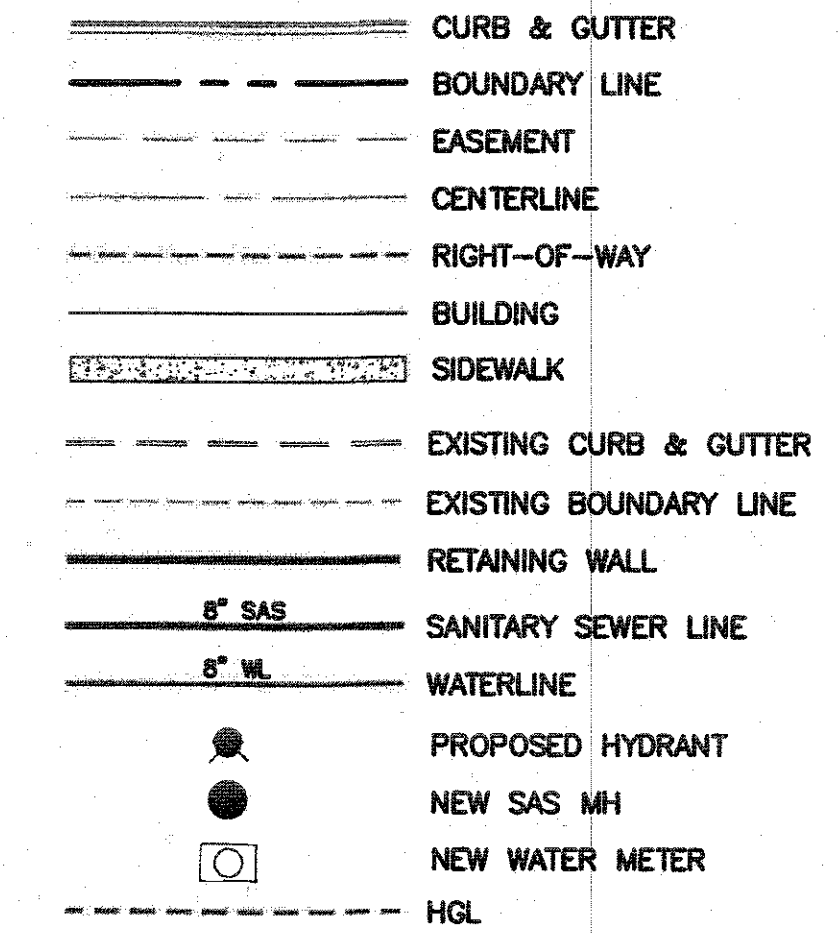


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<b>TIERRA WEST, LLC</b> 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 <a href="http://www.tierrawestllc.com">www.tierrawestllc.com</a>	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: <b>DAYTONA ROAD 12" WATERLINE RELOCATION</b>	
DESIGN REVIEW COMMITTEE <b>APPROVED</b> Oct. 19, 2022	CITY ENGINEER APPROVAL <b>APPROVED</b> Jan. 12, 2023
CITY PROJECT NO. 655793	ZONE MAP NO. K-9-Z
SHEET 11 OF 19	

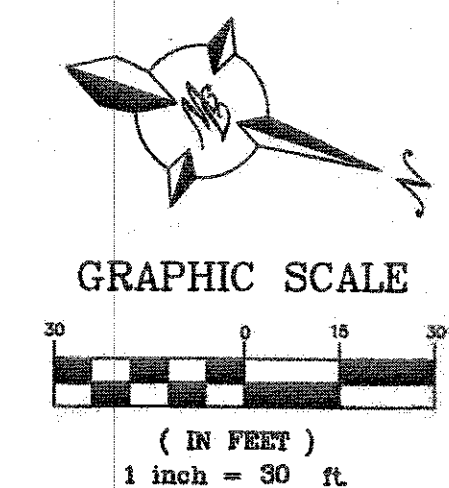
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	AG.S.S. MONUMENT "REWARD"	DATE	FIELD NOTES	BY	NO.	DATE
WORK	DATE	STANDARD A.G.S.S. PLATE	DATE	NO.	BY	NO.	DATE
STANDARD A.G.S.S. PLATE	DATE	NEW MEXICO STATE PLANE COORDINATES	DATE	NO.	BY	NO.	DATE
NEW MEXICO STATE PLANE COORDINATES	DATE	(CENTRAL ZONE-N.A.D. 1983)	DATE	NO.	BY	NO.	DATE
(CENTRAL ZONE-N.A.D. 1983)	DATE	N=1487384.083	DATE	NO.	BY	NO.	DATE
N=1487384.083	DATE	E=1491190.019	DATE	NO.	BY	NO.	DATE
E=1491190.019	DATE	GROUND TO GRID FACTOR=0.9997605	DATE	NO.	BY	NO.	DATE
GROUND TO GRID FACTOR=0.9997605	DATE	DELTA ALPHA ANGLE=0.0171226"	DATE	NO.	BY	NO.	DATE
DELTA ALPHA ANGLE=0.0171226"	DATE		DATE	NO.	BY	NO.	DATE



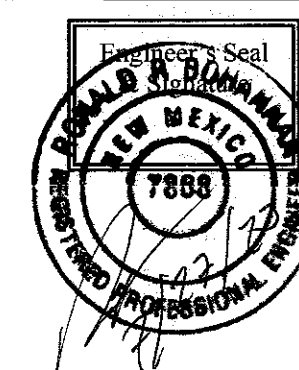


THE CHANGES SHOWN HEREON ARE BASED UPON  
A FIELD SURVEY CONDUCTED BY ME OR UNDER  
MY SUPERVISION AND REFLECT THE LOCATIONS  
(VERTICALLY AND HORIZONTALLY) TO THE BEST  
OF MY KNOWLEDGE AND BELIEF.

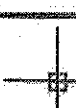
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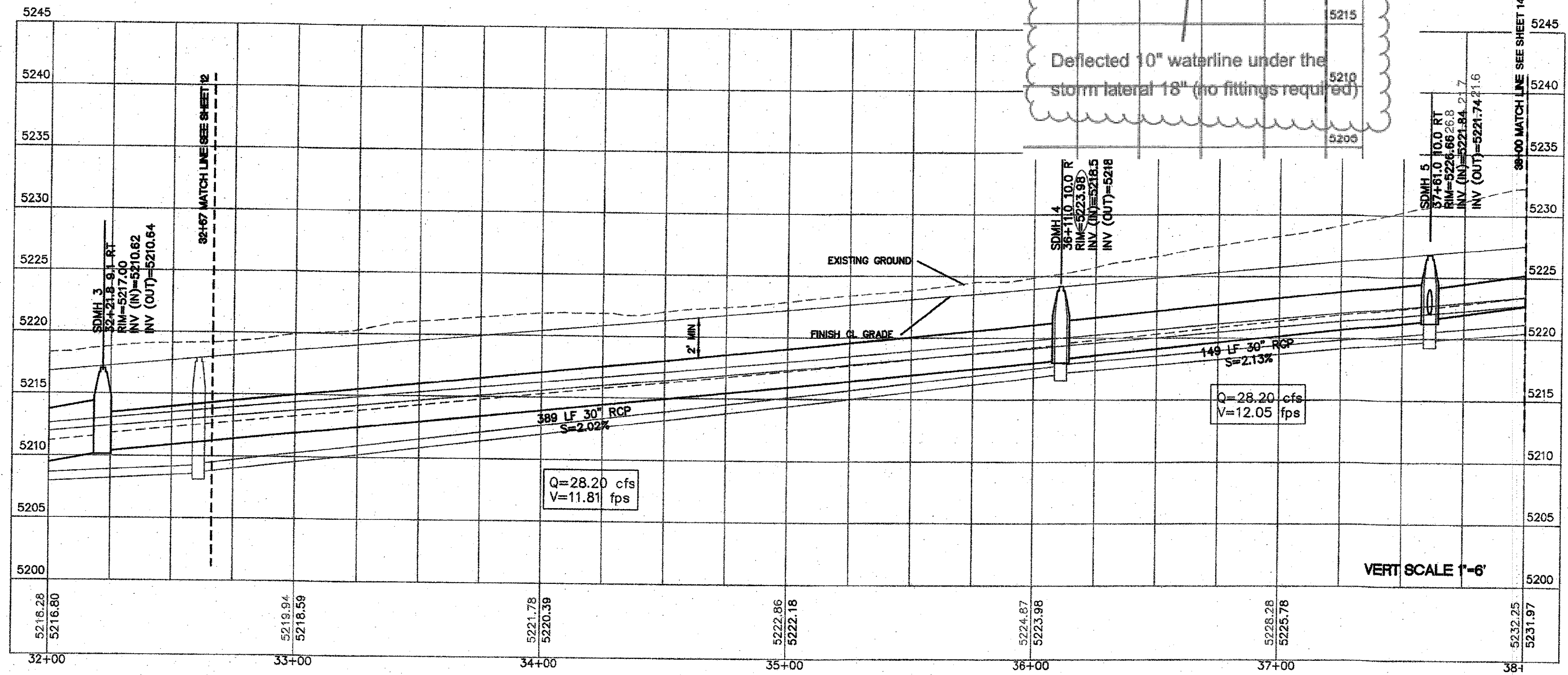
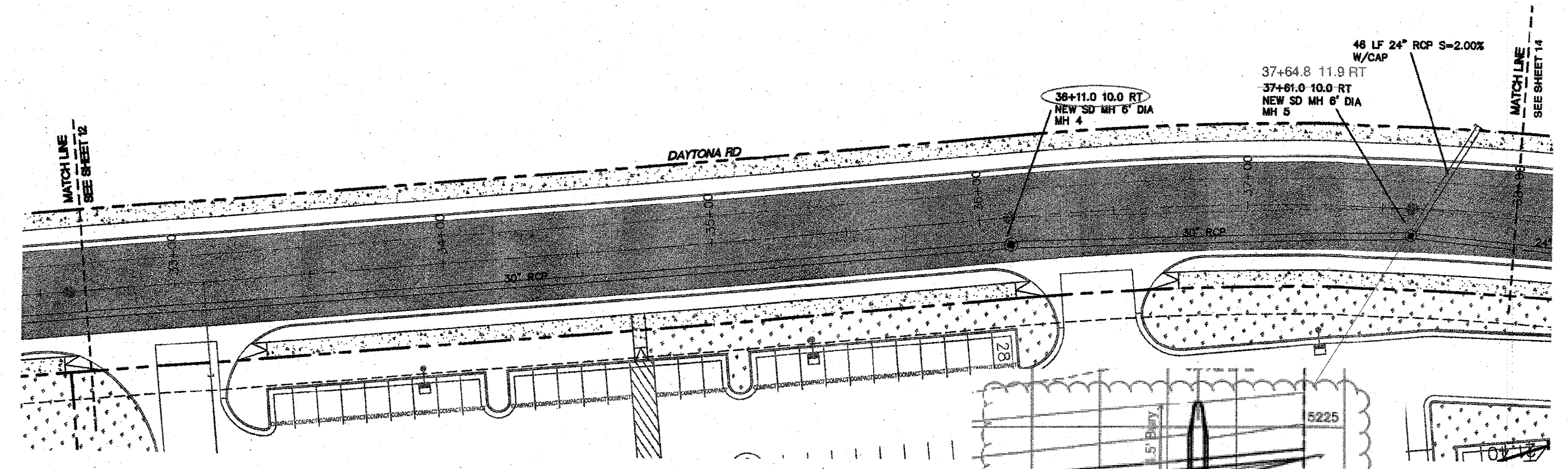
I, **Ronald R. Bohannon**, of the firm of **Tierra West LLC**, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by **Brian Martinez, of Cartesian Surveys, Inc.**, NMPS number **18374**.



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 <p style="margin: 0;"><b>TIERRA WEST, LLC</b>          5571 MIDWAY PARK PLACE NE          ALBUQUERQUE, NEW MEXICO 87109          (505) 858-3100  <a href="http://www.tierrawestllc.com">www.tierrawestllc.com</a></p>				DATE		DESIGNED BY:		DRAWN BY:		DRAWN NAME:		CHECKED BY:
<p style="margin: 0;">CITY OF ALBUQUERQUE          PUBLIC WORKS DEPARTMENT          ENGINEERING GROUP</p>												
<p style="margin: 0;">TITLE:</p> <p style="text-align: center; margin: 10px 0;"><b>DAYTONA ROAD</b></p> <p style="text-align: center; margin: 0;"><b>STORM SEWER IMPROVEMENTS 27+50 TO 32+67</b></p>												
DESIGN REVIEW COMMITTEE <div style="border: 2px solid black; padding: 5px; text-align: center; margin: 5px 0;"> <b>APPROVED</b>              Oct. 19, 2022              DESIGN REVIEW COMMITTEE         </div>			CITY ENGINEER APPROVAL <div style="border: 2px solid black; padding: 5px; text-align: center; margin: 5px 0;"> <b>APPROVED</b>              Jan. 12, 2023              CITY ENGINEER         </div>			LAST DESIGN UPDATE	MO./DAY/YR.		MO./DAY/YR.			
CITY PROJECT NO. <div style="text-align: center; margin-top: 5px;">655793</div>			ZONE MAP NO. <div style="text-align: center; margin-top: 5px;">K-9-Z</div>			SHEET	12		OF		19	



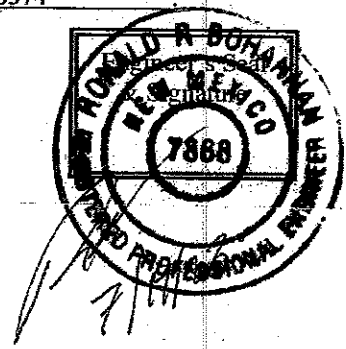


**LEGEND**

	CURB & GUTTER
	BOUNDARY LINE
	EASEMENT
	CENTERLINE
	RIGHT-OF-WAY
	BUILDING
	SIDEWALK
	EXISTING CURB & GUTTER
	EXISTING BOUNDARY LINE
	RETAINING WALL
	8\" SAS
	8\" WL
	PROPOSED HYDRANT
	NEW SAS MH
	NEW WATER METER
	HGL
	NEW AC ASPHALT

**CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS**

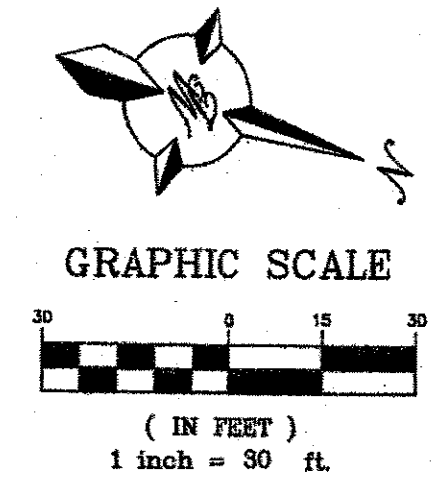
I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction with survey information provided by Brian Martinez, of Cartesian Surveys Inc., NMPS number 18374.



**Certification**

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*B. J. M.*

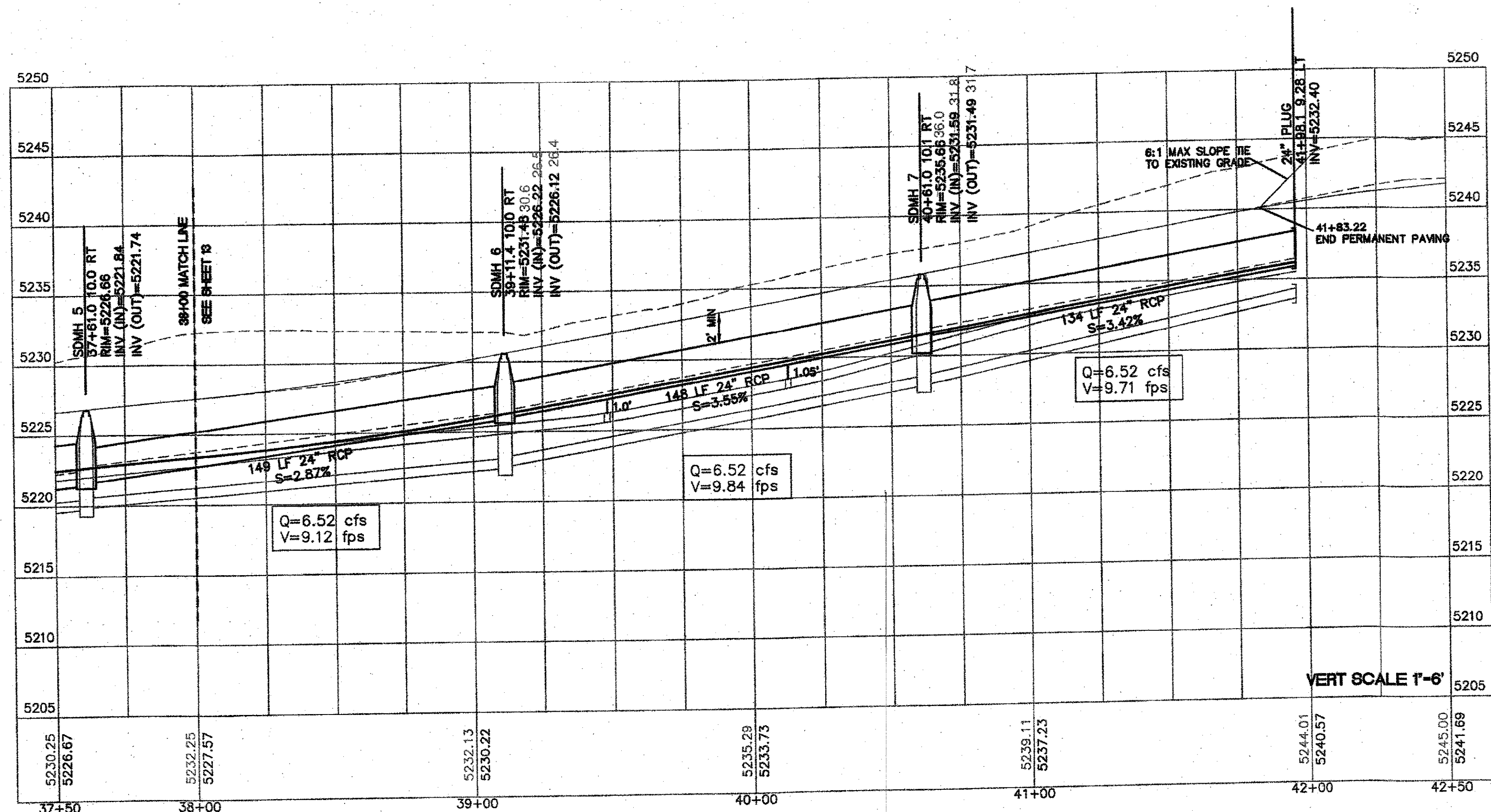
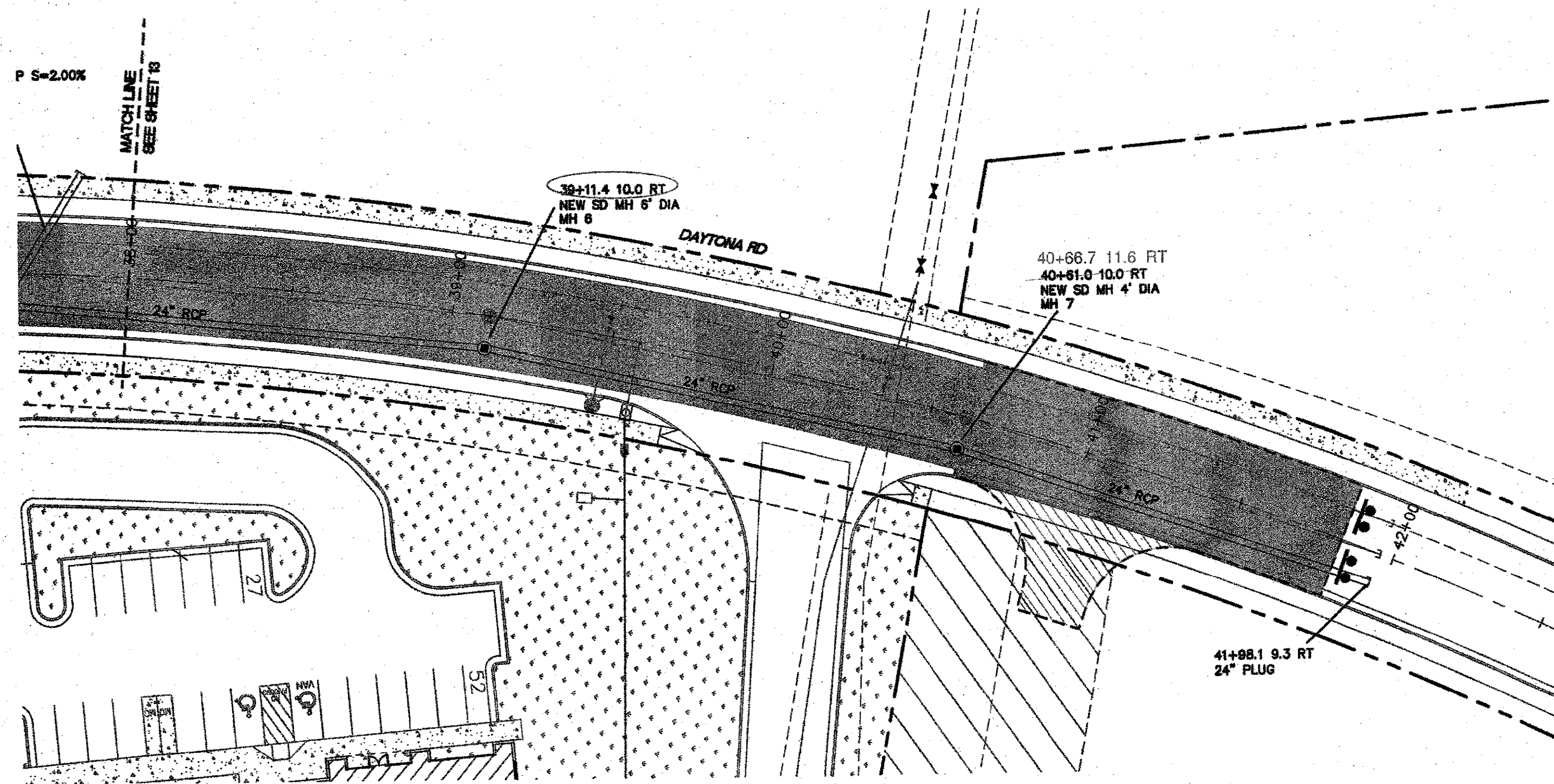


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<b>TIERRA WEST, LLC</b> 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrawestllc.com	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: <b>DAYTONA ROAD STORM SEWER IMPROVEMENTS 32+67 TO 38+00</b>	
DESIGN REVIEW COMMITTEE <b>APPROVED</b> Oct. 19, 2022 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL <b>APPROVED</b> Jan. 12, 2023 CITY ENGINEER
CITY PROJECT NO. 655793	ZONE MAP NO. K-9-Z
SHEET 13 OF 19	

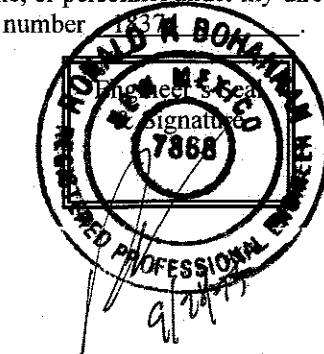




LEGEND	
	CURB & GUTTER
	BOUNDARY LINE
	EASEMENT
	CENTERLINE
	RIGHT-OF-WAY
	BUILDING
	SIDEWALK
	EXISTING CURB & GUTTER
	EXISTING BOUNDARY LINE
	RETAINING WALL
	8" SAS
	8" WL
	PROPOSED HYDRANT
	NEW SAS MH
	NEW WATER METER
	HGL
	NEW AC ASPHALT

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

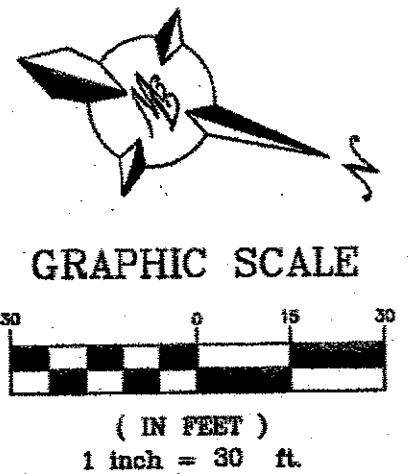
I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by Brian Martinez, of Cartesian Surveys, Inc., NMPS number 7868.



Certification

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*B. J. Mj*

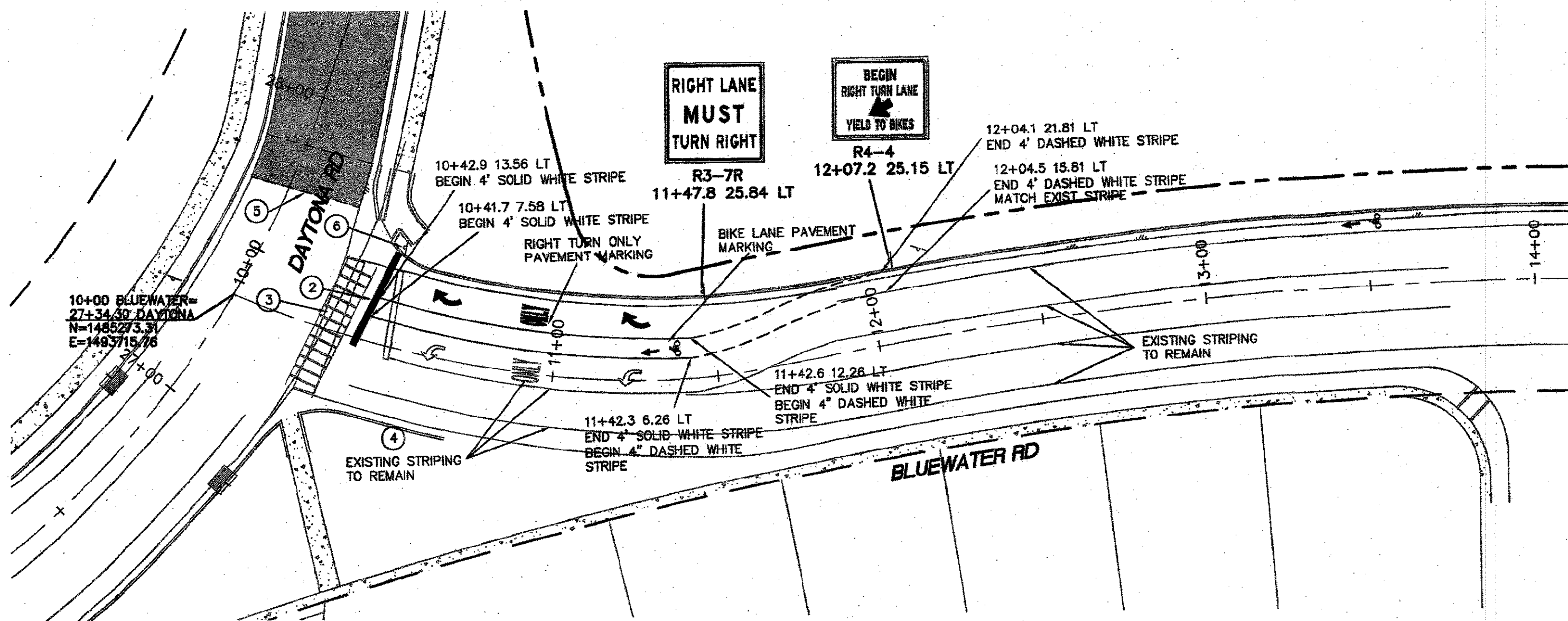


TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrawestllc.com	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: DAYTONA ROAD STORM SEWER IMPROVEMENTS 38+00 TO 42+00	
DESIGN REVIEW COMMITTEE APPROVED Oct. 19, 2022	CITY ENGINEER APPROVAL APPROVED Jan. 12, 2023 CITY ENGINEER
DESIGNED BY: VC DRAWN BY: PM CHECKED BY: RRB	NO. / DAY / YR. MO. / DAY / YR.
CITY PROJECT NO. 655793	ZONE MAP NO. K-9-Z
SHEET 14	OF 19

CAUTION

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GENERAL NOTES:

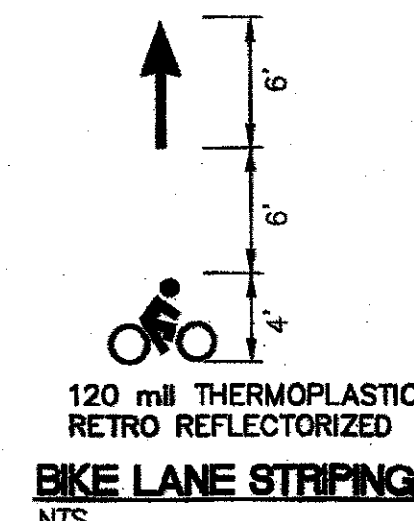
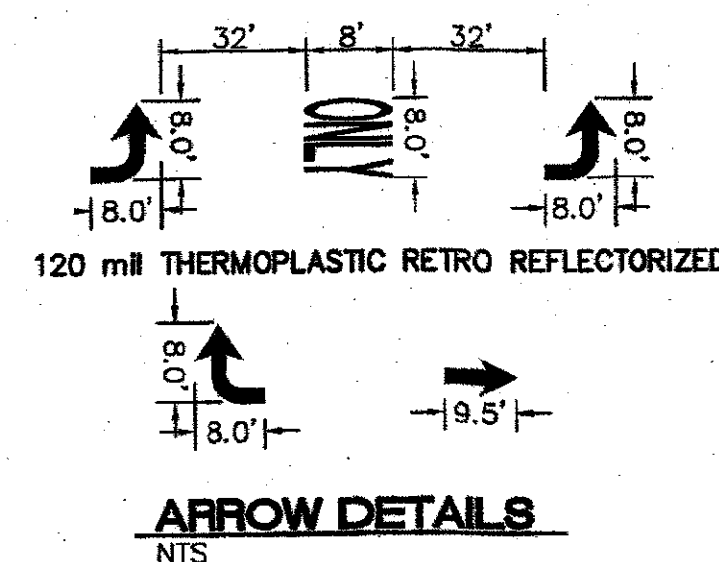
1. ALL CONFLICTING STRIPING SHALL BE ERADICATED BY WATER BLASTING AND APPLY FOG SEAL.
2. ALL SIGNS SHALL BE MADE IN ACCORDANCE WITH THE M.U.T.C.D. (CURRENT EDITION) SPECIFICATIONS AND COA STANDARDS.
3. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE M.U.T.C.D. (CURRENT EDITION) SPECIFICATIONS AND COA STANDARDS (THERMOPLASTIC).
4. PAINT ALL MEDIAN CURB AND MEDIAN NOSE ON LOS VOLCANES YELLOW (TYP) PER COA SPECIFICATIONS.
5. CONTRACTOR SHALL REFRESH ALL EXISTING CROSSWALKS, SYMBOLS AND REPLACE HOLDING BAY WITH LANE STRIPES WITHIN WORKING AREA. ALL PERMANENT MARKINGS SHALL BE THERMOPLASTIC.

KEYED NOTES

- 1 ERADICATE EXISTING CHEVRON STRIPING, STOP BAR
- 2 NEW 2' STOP BAR
- 3 EXISTING CROSSWALK TO REMAIN
- 4 REFRESH EXISTING STRIPING
- 5 REMOVE EXISTING TYPE III BARRICADE
- 6 EXISTING STOP SIGN

LEGEND

- CURB & GUTTER
- BOUNDARY LINE
- - - EXISTING CURB & GUTTER
- - - EXISTING BOUNDARY LINE
- - - CENTERLINE
- - - RIGHT-OF-WAY
- SIDEWALK



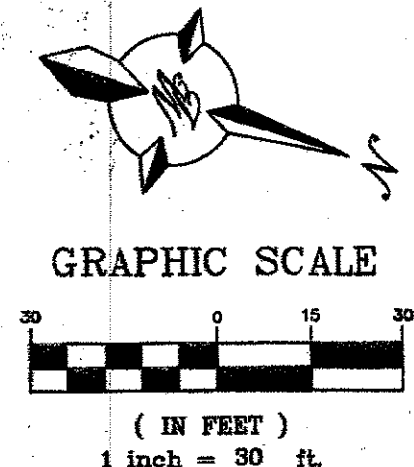
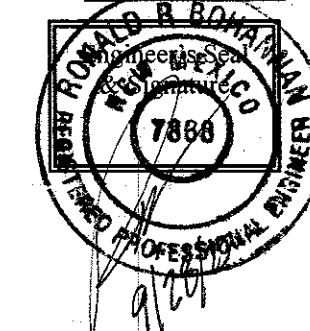
PERMANENT SIGNING AND STRIPING NOTES

SIGN	SIGN CODE	COLOR	LEGEND SHEETING	BACKGROUND SHEETING
STOP	R1-1	WHITE/RED	TYPE VII OR IX	TYPE VII OR IX
YIELD	R1-2	WHITE/RED	TYPE VII OR IX	TYPE VII OR IX
DO NOT ENTER	R5-1	WHITE/RED	TYPE VII OR IX	TYPE VII OR IX
WRONG WAY	R5-1a	WHITE/RED	TYPE VII OR IX	TYPE VII OR IX
SCHOOL BUS STOP	S3-1	BLK/FLUORESCENT YELLOW GREEN	TYPE VII OR IX	TYPE VII OR IX
SCHOOL BUS CROSSING	S1-1	BLK/FLUORESCENT YELLOW GREEN	TYPE VII OR IX	TYPE VII OR IX
PEDESTRIAN CROSSING	W11-2	BLK/FLUORESCENT YELLOW GREEN	TYPE VII OR IX	TYPE VII OR IX
BIKE CROSSING	W11-1	BLK/FLUORESCENT YELLOW GREEN	TYPE VII OR IX	TYPE VII OR IX
ALL SCHOOL/FED/BIKE SUPPLEMENTAL PLAQUES		BLK/FLUORESCENT YELLOW GREEN (WHENEVER BLK/YELLOW IS SPECIFIED AS COLOR IN MUTCD)	TYPE VII OR IX	TYPE VII OR IX
ALL OTHER WARNING SIGNS AND SUPPLEMENTAL PLAQUES		BLK/FLUORESCENT YELLOW GREEN (WHENEVER BLK/YELLOW IS SPECIFIED AS COLOR IN MUTCD)	TYPE VII OR IX	TYPE VII OR IX
GUIDE & DESIGNATION SIGNS INCLUDE EXTRUDED & NON-EXTRUDED (OVERHEAD & GROUND MOUNTED)	ALL	WHITE/GREEN (EXCEPT WHERE SPECIFIED IN THE MUTCD)	TYPE VII OR IX	TYPE VII OR IX
E-CODE SIGNS	E11-1, 1a, 1b, 1c	BLK/FLUORESCENT YELLOW	TYPE VII OR IX	TYPE VII OR IX
GENERAL SERVICE	ALL	WHITE/BLUE	TYPE VII OR IX	TYPE VII OR IX
SPECIFIC SERVICE	ALL	WHITE/BLUE	TYPE VII OR IX	TYPE VII OR IX
ALL OTHER PERMANENT SIGNS		BLACK/WHITE (EXCEPT WHERE SPECIFIED IN THE MUTCD)	TYPE VII OR IX	TYPE VII OR IX

1. ALL REGULATORY, WARNING, SPECIAL, AND GUIDE SIGNS SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS. LEGEND AND BACKGROUND TO BE SAME SHEETING TYPE.
2. ONLY 0.125 INCHES THICK ALUMINUM PANEL SIGNS ARE PERMITTED FOR WARNING AND REGULATORY SIGNS.
3. ANTI-GRAFFITI COATING, WITH UV INHIBITOR, SHALL BE APPLIED ON ALL REGULATORY, WARNING, GUIDE AND SPECIAL SIGNS.
4. QUANTITIES MAY VARY AS FIELD CONDITIONS DICTATE. THE CONTRACTOR WILL BE PAID FOR ACTUAL QUANTITIES USED.
5. ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH NM STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION (LATEST EDITION) AND ANY APPLICABLE SPECIAL PROVISION AND/OR SUPPLEMENTAL SPECIFICATION. ALSO THE DEVICES SHALL COMPLY WITH THE CURRENT EDITION, WITH REVISIONS, OF THE MUTCD.
6. EACH SIGN FACE SHOWN ON PLANS SHALL MEET THE SPECIFICATIONS IN THE STANDARD HIGHWAY SIGNS MANUAL (CURRENT EDITION) FOR PROPER ARRANGEMENT, SPACING OF LETTERS, LETTER HEIGHT, SYMBOLS AND BORDERS FOR THE SPECIFIED SIZE AND MESSAGE AS SHOWN ON PLANS. ALL SPECIAL SIGN FACE DETAILS SHALL BE SUBMITTED TO THE NMDOT FOR REVIEW AND APPROVAL.
7. POST LENGTHS ARE BASED ON A MINIMUM OF 5 FT FOR RURAL ROADWAY SECTIONS TO A MINIMUM OF 7 FT FOR URBAN AND INTERSTATE ROADWAY SECTIONS. THE LENGTHS ARE MEASURED FROM THE BOTTOM OF THE SIGN TO NEAR EDGE OF THE DRIVING LANE.
8. ALL SIGNING HARDWARE, INCLUDING BUT NOT LIMITED TO, BRACKETS, BANDING, BUCKLES, FASTENERS, SCREWS AND WASHERS, ETC. ARE CONSIDERED INCIDENTAL TO SIGN INSTALLATION. THEREFORE, NO PAYMENT WILL BE MADE.
9. THREE 4 LB/FT SIGN POST INSTALLATION APPROVED ONLY IF THE SPAN BETWEEN THE OUTER POSTS EXCEEDS 86" (SIGN WIDTH OF 96" OR GREATER).
10. 3'-6" BASE POST ARE REQUIRED FOR ALL SMALL SIGN POSTS. SEE STANDARD SERIAL DRAWING 701-02-1/3 FOR DETAILS. BASE POSTS SHALL BE 2.5"x2.5" SQUARE.
11. SIGN POSTS SHALL BE 2.25"x2.25" SQUARE TUBING OR AS APPROVED BY THE PROJECT MANAGER, THE DISTRICT TRAFFIC ENGINEER OR HIS/HER DESIGNEE.
12. THE LATERAL CLEARANCE OF SIGNS SHALL BE NO CLOSER THAN THE 6 FT FROM THE EDGE OF SHOULDER OR 12 FT FROM THE EDGE OF TRAVELED WAY FOR RURAL AREAS AND NO CLOSER THAN 2 FT FROM FACE OF CURB FOR URBAN AREAS.
13. CONTRACTOR SHALL FIELD VERIFY ALL SIGNING, TEXT, AND LOCATIONS PRIOR TO FABRICATION AND INSTALLATION. NEW SIGN LOCATIONS SHALL BE APPROVED BY THE PROJECT MANAGER OR THE DISTRICT TRAFFIC ENGINEER.
14. HOT THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL STRIPING (LONG LINES, LEGENDS, SYMBOLS, ETC.) THE THERMOPLASTIC PAVEMENT MARKING SHALL BE APPLIED AT A THICKNESS OF 90 MIL. THE APPROVED THERMOPLASTIC MARKING APPLICATION METHOD SHALL BE EITHER GRAVITY EXTRUSION OR RIBBON APPLICATION.
15. THE CONTRACTOR SHALL MARK ALL LOCATIONS IN THE FIELD IN WHICH PAVEMENT MARKINGS, SUCH AS LEGENDS, ARROWS, CROSSWALKS, STOP BARS, ETC. ARE TO BE PLACED. THIS PAVEMENT MARKING LAYOUT SHALL BE CONSIDERED INCIDENTAL. THE CONTRACTOR SHALL OBTAIN CONCURRENCE FROM THE DISTRICT TRAFFIC ENGINEER (OR HIS/HER DESIGNEE) BEFORE THE FINAL MARKINGS ARE APPLIED.
16. WATER BLASTING IS THE ONLY APPROVED METHOD OF EXISTING STRIPE REMOVAL WITHIN DISTRICT THREE. THE USE OF BLACK PAINT AS A METHOD OF REMOVING OR COVERING EXISTING STRIPING IS STRICTLY PROHIBITED. WHEN WATER BLASTING ON OPEN GRADED FRICTION COURSE (OGFC) OR ON THE FINAL LIFTTIT OF THE EXISTING PAVEMENT, THE CONTRACTOR SHALL APPLY A SEAL TO THE WATER BLASTED AREA AND SEAL SHALL BE INCIDENTAL TO REMOVAL OF PAVEMENT STRIPE.

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by Brian Martinez, of Cartesian Surveys, Inc., NMPS number 18324.



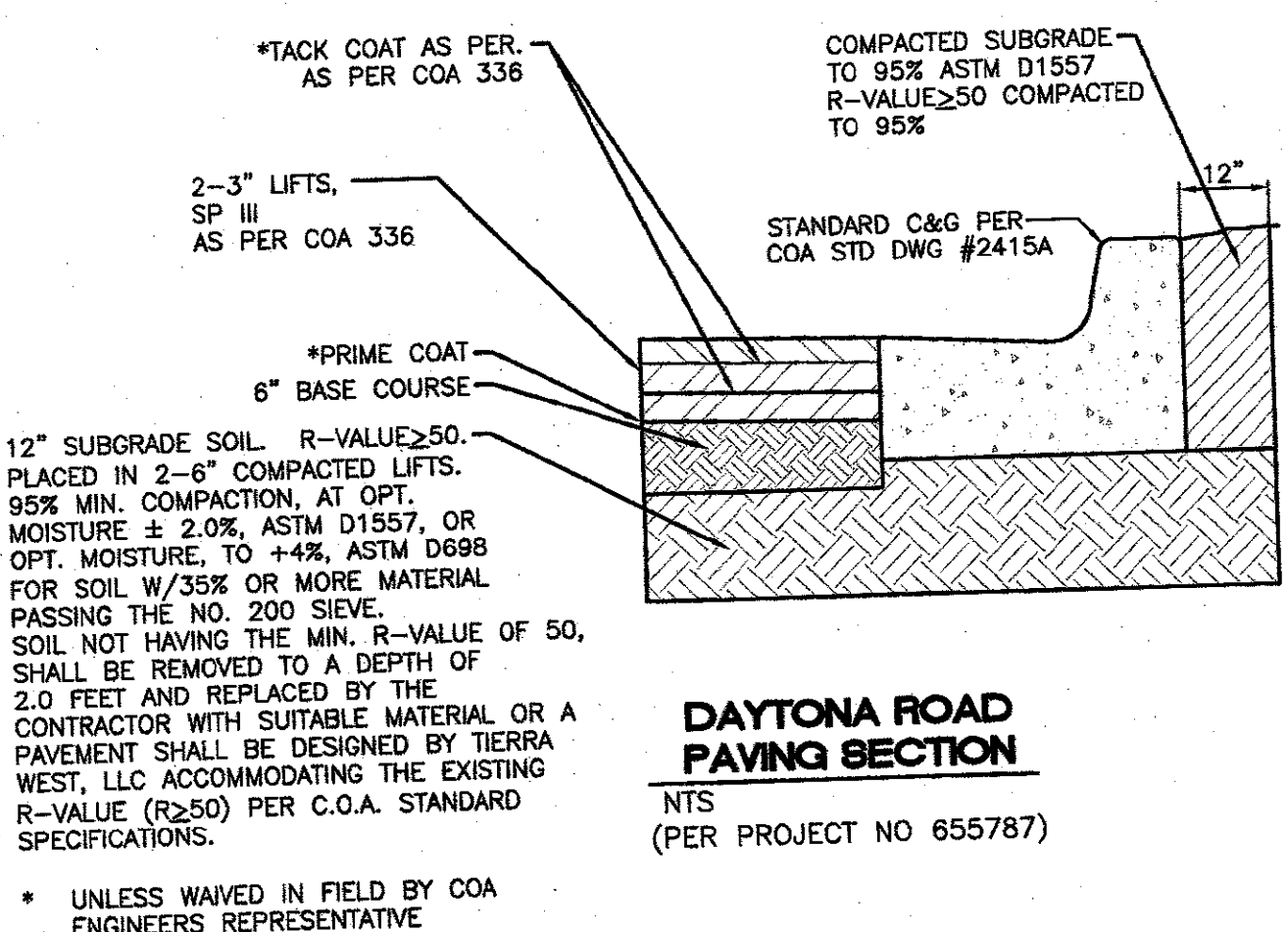
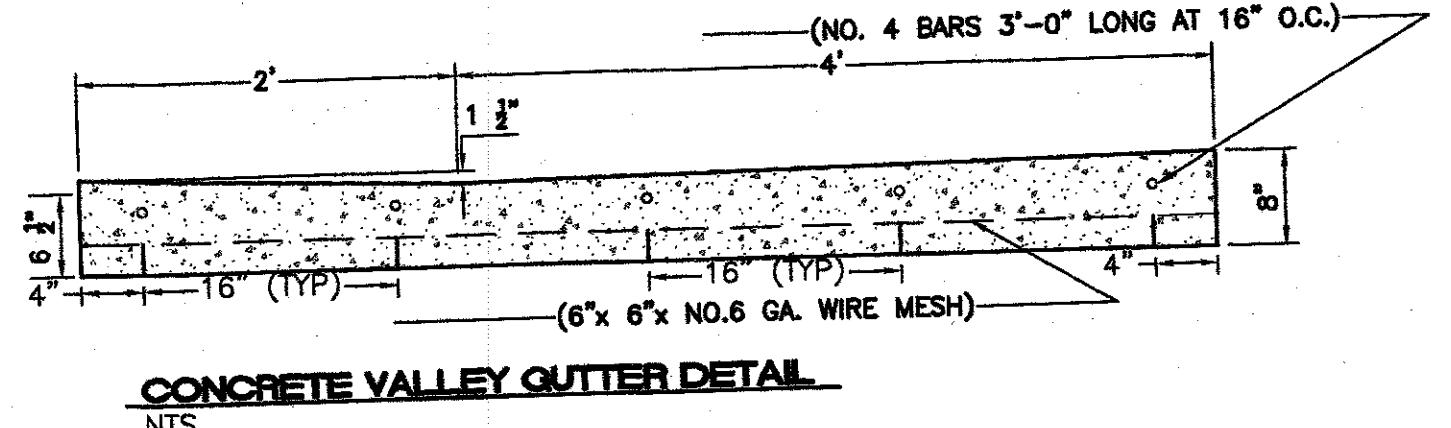
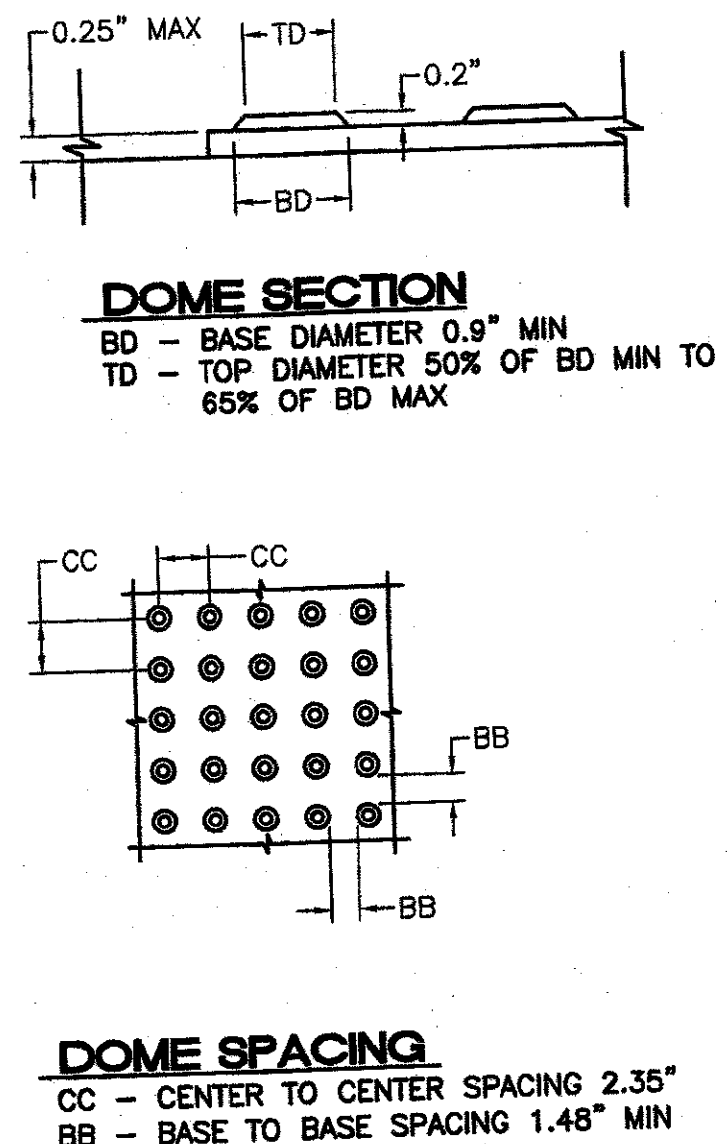
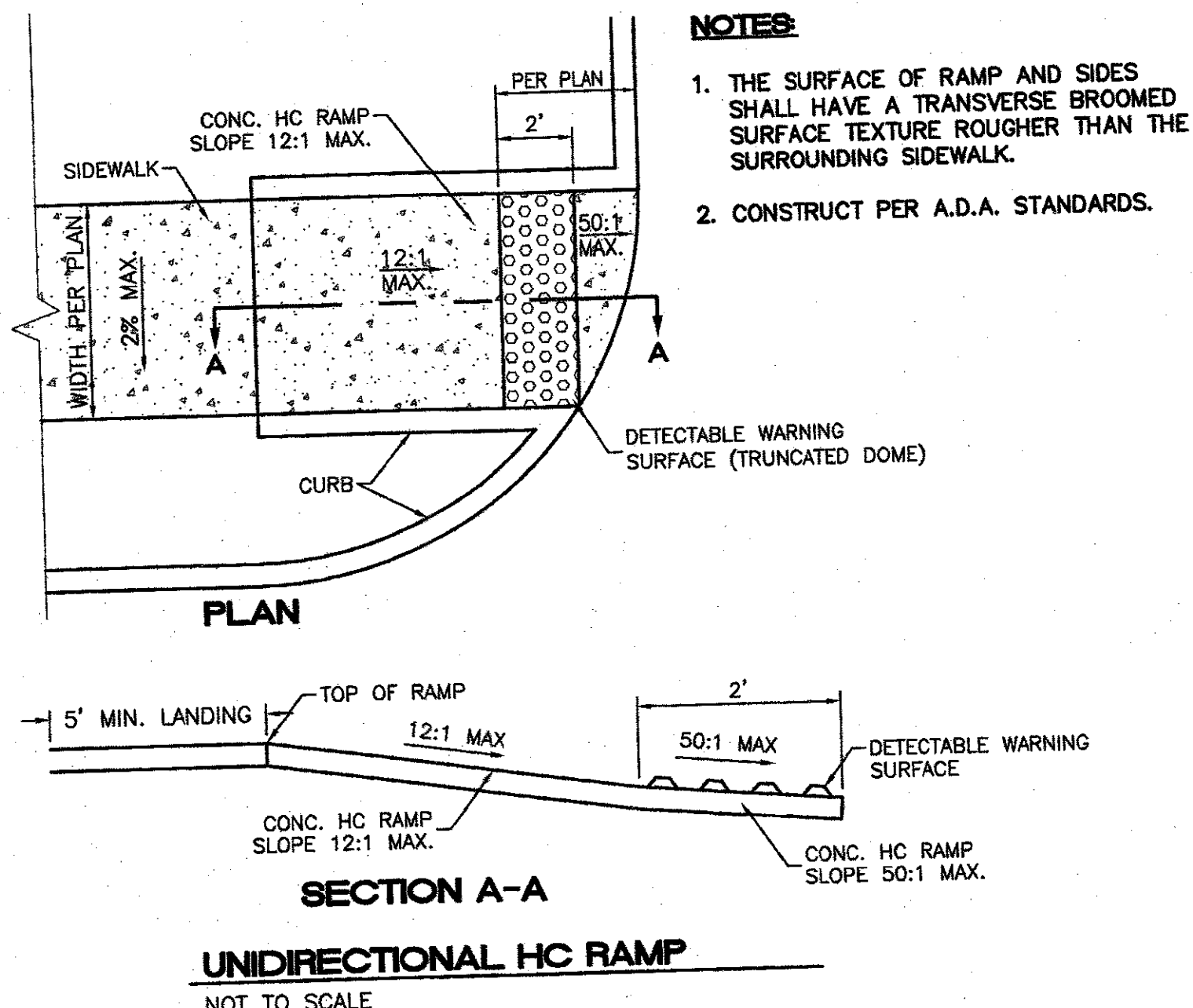
TIERRA WEST, LLC  
5571 MIDWAY PARK PLACE NE  
ALBUQUERQUE, NEW MEXICO 87109  
(505) 858-3100  
www.tierrawestllc.com

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

TITLE: <b>BLUEWATER RD STRIPING PLAN</b>	
DESIGN REVIEW COMMITTEE <b>APPROVED</b> Oct. 19, 2022 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL <b>APPROVED</b> Jan. 12, 2023 CITY ENGINEER
CITY PROJECT NO. 655793	ZONE MAP NO. K-9-Z
SHEET 15 OF 19	

AS BUILT INFORMATION	
CONTRACTOR: Sparkling Construction	DATE: 2022
WORK: Bluewater Rd Striping	DATE: 2022
DESIGNED BY: RRB	DATE: 2022
CHECKED BY: RRB	DATE: 2022
RECORDED BY: RRB	DATE: 2022
MICRO-FILM INFORMATION	
NO.	DATE
BENCH MARKS	
A.G.R.S. MONUMENT "REWARD"	
STANDARD A.G.R.S. BRASS TABLET	
NEW MEXICO STATE PLANE COORDINATES	
(CENTRAL ZONE - N.A.D. 1983)	
N=1462754.083	
E=1461160.819	
PUBLISHED E=1461160.819 (NAD 1983)	
GROUND TO GRID FACTOR=0.999975005	
DELTA ALPHA ANGLE=0.717226"	
SURVEY INFORMATION	
FIELD NOTES	
NO.	BY
ENGINEER'S SEAL	
RONALD R. BOHANNON	
NEW MEXICO	
7888	
PROFESSIONAL ENGINEER	
10-1-22	
REVISIONS	
NO.	DATE
DESIGNED BY: VC	
DRAWN BY: PM	
JOB NO.: 2020088	
CHECKED BY: RRB	
DATE: MAY, 2022	





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: PVC  
SOIL TYPE: GM/SM-SILTY GRAVEL/SILTY SAND, GRAVEL-SAND MIXTURES  
TEST PRESSURE: 150 PSI  
TRENCH TYPE 3: PIPE BEDDED IN 4\"

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 CONSTRUCTION.

RESTRAINED JOINT LENGTHS FOR TEES*						
SIZE	LENGTH ALONG RUN**					
	10'	8'	6'	4'	2'	0'
12x12x12	61	68	76	83	90	98
12x12x10	39	48	56	65	74	83
12x12x8	15	26	37	48	59	70
12x12x6	1	1	9	24	38	53
12x12x4	1	1	1	1	16	37
10x10x10	46	54	61	68	76	83
10x10x8	25	34	43	52	61	70
10x10x6	1	5	17	29	41	53
10x10x4	1	1	1	2	20	37
8x8x8	34	42	49	56	63	70
8x8x6	6	15	25	34	43	53
8x8x4	1	1	1	10	24	37
6x6x6	7	24	31	39	46	53
6x6x4	1	1	6	17	27	37

\*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.

RESTRAINED JOINT LENGTHS FOR HORIZONTAL BENDS, VALVES, AND DEAD ENDS (EACH SIDE)				
SIZE	HORIZONTAL BENDS			VALVES DEAD END
	90°	45°	22-1/2°	11-1/4°
12	45	19	9	4
10	38	16	8	4
8	32	13	6	3
6	25	10	5	2
4	18	7	4	1

RESTRAINED JOINT LENGTHS FOR REDUCERS***			
SIZE	L. SIDE	SIZE	L. SIDE
12x10	50	10x6	53
12x8	54	10x4	70
12x6	74	8x6	30
12x4	88	8x4	52
10x8	29	6x4	28

\*\*\*RESTRAINTS ONLY PLACED ON LARGE SIDE

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

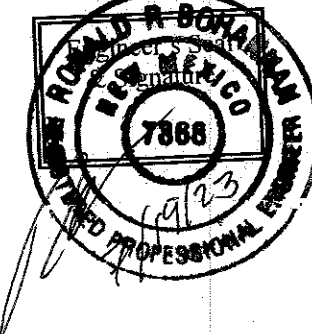
DEPTH OF BURY: 3.0' MINIMUM TO 6.0'  
SAFETY FACTOR: 1.5 TO 1  
PIPE MATERIAL: PVC  
SOIL TYPE: GM/SM-SILTY GRAVEL/SILTY SAND, GRAVEL-SAND MIXTURES  
TEST PRESSURE: 150 PSI  
TRENCH TYPE 3: PIPE BEDDED IN 4\"

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 CONSTRUCTION.

RESTRAINED JOINT LENGTHS FOR VERTICAL OFFSETS/BENDS (EACH SIDE)				
SIZE	HORIZONTAL BENDS			
	90°	45°	22-1/2°	11-1/4°
12 UPPER	DON'T USE	42	20	10
12 LOWER	DON'T USE	10	5	2
10 UPPER	DON'T USE	36	17	8
10 LOWER	DON'T USE	8	4	2
8 UPPER	DON'T USE	30	14	7
8 LOWER	DON'T USE	7	3	2
6 UPPER	DON'T USE	23	11	5
6 LOWER	DON'T USE	5	3	1
4 UPPER	DON'T USE	16	8	4
4 LOWER	DON'T USE	4	2	1

**CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS**

I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by Brian Martinez, of Cartesian Surveys, Inc., NMPS number 18374.



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

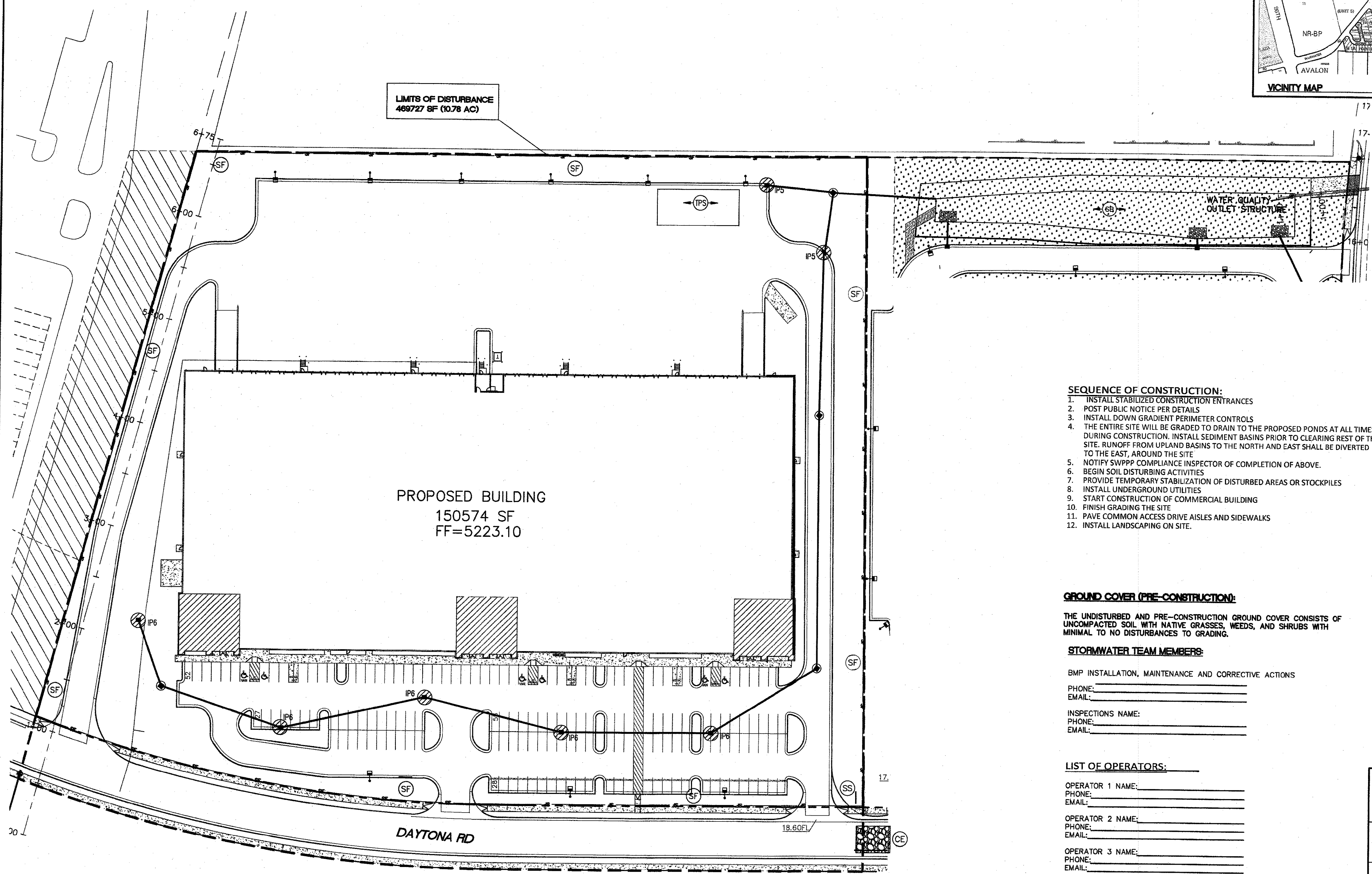
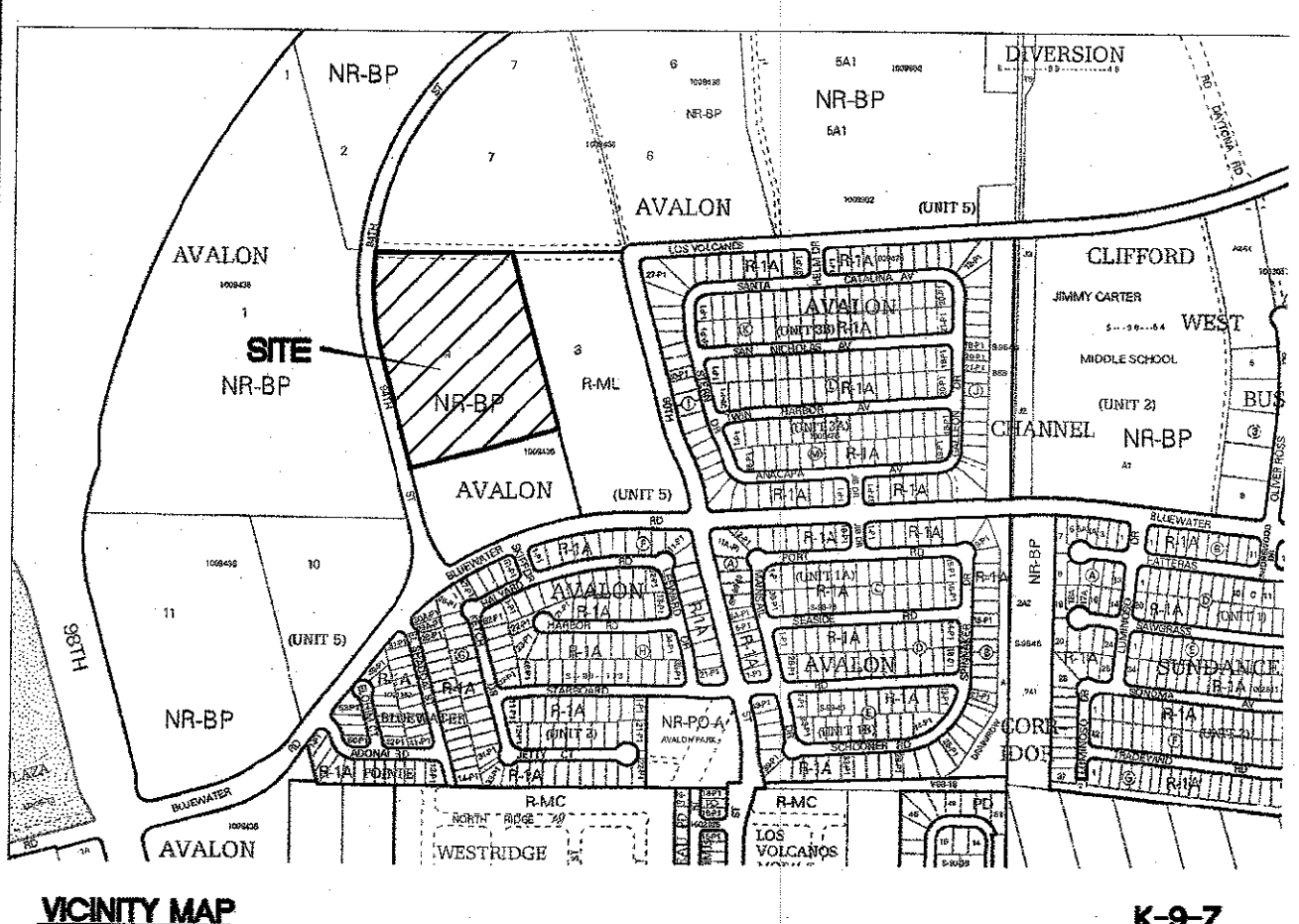
CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

TITLE: **DAYTONA ROAD CONSTRUCTION DETAILS**

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED Oct. 19, 2022 DESIGN REVIEW COMMITTEE	APPROVED Jan. 12, 2023 CITY ENGINEER		
CITY PROJECT NO. 655793	ZONE MAP NO. K-9-Z	SHEET 16	OF 19

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	AGC.S. MONUMENT "REWARD"	DATE	FIELD NOTES	BY	NO. 7868	10-1-22
WORK	DATE	STANDARD A.G.C.S. BRASS TABLET	DATE	NO.	BY		
SURVEYORS	DATE	NEW MEXICO STATE PLANE COORDINATES	DATE				
ACCEPTANCE BY	DATE	(CENTRAL ZONE-N.A.D. 1983)	DATE				
VERIFICATION BY	DATE	N=1497,384.063	DATE				
DRAWINGS	DATE	E=1491,190.819	DATE				
CORRECTED BY	DATE	PUBLISHED EL=5319.688 (NAVD 1988)	DATE				
MICRO-FILM INFORMATION	DATE	GROUND TO GRID FACTOR=0.99975005	DATE				
RECORDED BY	DATE	DELTA ALPHA ANGLE=-0712.28"	DATE				
NO.							





- SEQUENCE OF CONSTRUCTION:**
1. INSTALL STABILIZED CONSTRUCTION ENTRANCES
  2. POST PUBLIC NOTICE PER DETAILS
  3. INSTALL DOWN GRADIENT PERIMETER CONTROLS
  4. THE ENTIRE SITE WILL BE GRADED TO DRAIN TO THE PROPOSED PONDS AT ALL TIMES DURING CONSTRUCTION. INSTALL SEDIMENT BASINS PRIOR TO CLEARING REST OF THE SITE. RUNOFF FROM UPLAND BASINS TO THE NORTH AND EAST SHALL BE DIVERTED TO THE EAST, AROUND THE SITE
  5. NOTIFY SWPPP COMPLIANCE INSPECTOR OF COMPLETION OF ABOVE.
  6. BEGIN SOIL DISTURBING ACTIVITIES
  7. PROVIDE TEMPORARY STABILIZATION OF DISTURBED AREAS OR STOCKPILES
  8. INSTALL UNDERGROUND UTILITIES
  9. START CONSTRUCTION OF COMMERCIAL BUILDING
  10. FINISH GRADING THE SITE
  11. PAVE COMMON ACCESS DRIVE AISLES AND SIDEWALKS
  12. INSTALL LANDSCAPING ON SITE.

**GROUND COVER (PRE-CONSTRUCTION):**

THE UNDISTURBED AND PRE-CONSTRUCTION GROUND COVER CONSISTS OF UNCOMPACTED SOIL WITH NATIVE GRASSES, WEEDS, AND SHRUBS WITH MINIMAL TO NO DISTURBANCES TO GRADING.

**STORMWATER TEAM MEMBERS:**

BMP INSTALLATION, MAINTENANCE AND CORRECTIVE ACTIONS

PHONE: \_\_\_\_\_  
EMAIL: \_\_\_\_\_

INSPECTIONS NAME: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
EMAIL: \_\_\_\_\_

**LIST OF OPERATORS:**

OPERATOR 1 NAME: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
EMAIL: \_\_\_\_\_

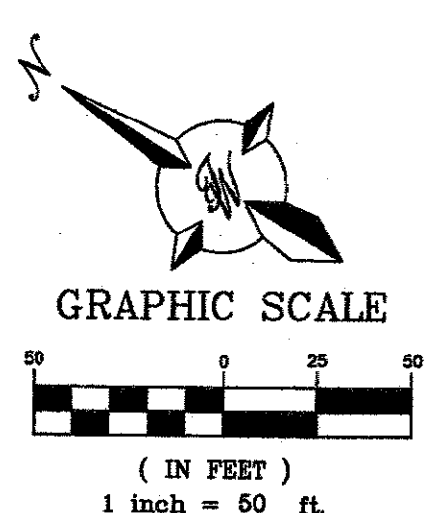
OPERATOR 2 NAME: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
EMAIL: \_\_\_\_\_

OPERATOR 3 NAME: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
EMAIL: \_\_\_\_\_

**SWPPP PURPOSE:**

THE PURPOSE OF THIS SWPPP IS TO APPLY SWPPP CONTROLS THAT ARE REQUIRED DURING DEVELOPMENT OF SITE AND PUBLIC RIGHT OF WAYS.

- EROSION NOTES**
- TPS - TEMPORARY PARKING AND STORAGE
  - SB - TEMPORARY SEDIMENT BASIN
  - CE - TEMPORARY STONE CONSTRUCTION EXIT
  - SF - TEMPORARY SILT FENCE
  - SS - SWPPP SIGN
  - SP - SILT FENCE
  - CE - CONSTRUCTION EXIT
  - IP - INLET PROTECTION



<b>TERRA WEST, LLC</b> 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.terrawestllc.com			
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: <b>DAYTONA ROAD EROSION CONTROL PLAN</b>			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	
FOR INFORMATION ONLY -- NOT PART OF CITY WORK ORDER		MO./DAY/YR.	
CITY PROJECT NO. 655793		ZONE MAP NO. K-9-Z	SHEET 17 OF 19

AS BUILT INFORMATION	
CONTRACTOR	Franklin Construction
WORK ORDER NO.	1000000000
DATE	10/1/2022
BENCH MARKS	
A.G.R.S. MONUMENT "REWARD"	
STANDARD A.G.R.S. BRASS TABLET	
NEW MEXICO STATE PLANE COORDINATES	
(CENTRAL ZONE - N.A.D. 1983)	
N=1,467,364.063	
E=1,491,190.819	
PUBLISHED EL=5318.666 (NAVD 1986)	
GROUND TO GRID FACTOR=0.99967005	
DELTA ALPHA ANGLE=-07°12'28"	
SURVEY INFORMATION	
FIELD NOTES	
NO.	
DATE	
BY	
ENGINEER'S SEAL	
RONALD R. BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER 10-1-22	
REMARKS	
DESIGN	
DESIGNED BY: VC	DATE: OCT, 2022
DRAWN BY: DM	DATE: OCT, 2022
DRAWN NAME:	JOB NO.: 2020088
CHECKED BY: RRB	DATE: OCT, 2022

FOR REFERENCE ONLY



NATURE AND EXTENT OF CONSTRUCTION ACTIVITIES:

MASS ROUGH GRADING OF THE SITE, INSTALLATION OF UTILITIES (WATER AND SANITARY SEWER) AND PAVING OF INTERNAL DRIVE AISLES, PARKING AND SIDEWALKS, BUILDING CONSTRUCTION AND LANDSCAPING AND OFFSITE IMPROVEMENTS.

PROPERTY SIZE: 9.69 ACRES

DISTURBED AREA SIZE: 10.78 ACRES

MAXIMUM DISTURBED AREA SIZE: 10.78 ACRES

PROJECT SCHEDULE: SCHEDULE LENGTHS ARE TBD, SEE SEQUENCE OF CONSTRUCTION THIS SHEET SW-1 FOR SCHEDULE TASKS DESCRIPTION.

CONSTRUCTION PHASE: THE FIRST PHASE OF CONSTRUCTION, CONSISTS OF BUILDING CONSTRUCTION, TRENCHING AND INSTALLING UTILITIES FOR SERVICE AND PAVING OF PARKING AND DRIVEWAYS TO THE PROPERTY.

N.O.T. TERMINATION: PARCELS ARE EXPECTED TO BE PERMANENTLY STABILIZED PRIOR OCCUPANCY.

STABILIZATION MEASURES: LOCALLY, NON-VEGETATIVE CONTROLS MAY CONSIST OF 2" OR 4" GRAVEL MULCH MIXED WITH COA WESTSIDE SEED MIX PLACED TO COVER THE PARCEL OR VEGETATIVE CONTROLS MAY BE CRIMP STRAW OR HYDRO-SEED APPLIED WITH THE INTENT OF PROVIDING 70% OR MORE COVERAGE THAT IS PROVIDED BY VEGETATION NATIVE TO LOCAL UNDISTURBED AREAS WITHIN (3) THREE YEARS, TO THE EXTENT NECESSARY TO PREVENT EROSION ON THE SEEDED AREA. NON-VEGETATIVE EROSION CONTROLS HAVE BEEN APPLIED THAT PROVIDE COVER AT LEAST FOR THREE YEARS WITHOUT ACTIVE MAINTENANCE. VEGETATIVE CONTROLS SHOULD BE APPLIED FROM JUNE TO AUGUST TO TAKE ADVANTAGE OF THE AREA'S RAIN SEASON.

CITY WEED REMOVAL ORDINANCE: PROPERTY OWNERS ARE TO COMPLY WITH THE CITY WEED REMOVAL ORDINANCE.

INSPECTIONS: SEE ESC PLAN STANDARD NOTE #3, THIS SHEET

BMP MAINTENANCE:

ALL MEASURES STATED IN THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR UNTIL FINAL STABILIZATION OF THE SITE IS ACHIEVED. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AT THE END OF THE WORKDAY BY A QUALIFIED MEMBER OF THE SWPPP COMPLIANCE TEAM.

THE OPERATOR WITH CONTROL OF THE SITES DAILY ACTIVITIES IS RESPONSIBLE TO MAINTAIN, CLEAN AND REPAIR EROSION CONTROLS IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED, IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION. SEDIMENT SHALL BE REMOVED TO INSURE PROPER FLOWS. INLET PROTECTION TYPES MAY NEED TO BE MODIFIED DURING THE CONSTRUCTION PROGRESS.
2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND OF VEGETATION IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RE-SEEDED AS NEEDED.
3. SILT FENCES, WADDLES OR OTHER CONTROLS SHALL BE REPLACED OR REPAIRED TO PROPER FUNCTIONING CONDITION, IF DAMAGED. SEDIMENT AND SOIL SHALL BE REMOVED WHEN REACHES ONE-HALF THE HEIGHT OF THE CONTROL.
4. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING, EXTENDING OR OTHER MODIFICATIONS TO THE CONSTRUCTION EXITS AS CONDITIONS DEMAND. SITE TRAFFIC SHOULD BE LIMITED TO THE CONTROLLED EXITS ONLY.
5. SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.
6. REFERENCE THE SWPPP BOOK FOR ALL EROSION CONTROL MAINTENANCE PROCEDURES AND FREQUENCIES. CONSULT THE SWPPP PREPARED WITH ANY QUESTIONS REGARDING THIS SWPPP AND ITS REQUIREMENTS.

EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT FROM THE LOCAL JURISDICTIONAL AUTHORITY PRIOR TO BEGINNING WORK.
2. THE OPERATOR WITH CONTROL OF THE DAILY SITES ACTIVITIES IS RESPONSIBLE FOR MAINTAINING RUN-OFF AND RUN ON OF SITE DURING CONSTRUCTION.
3. THE OPERATOR WITH CONTROL OF THE DAILY SITES ACTIVITIES IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
4. ALL EXPOSED EARTH SURFACES MUST HAVE APPROPRIATE CONTROLS TO PROTECT FROM WIND AND WATER EROSION DURING ALL PHASES OF THE PROJECT.
5. STOCKPILES INACTIVE FOR 14 DAYS ARE REQUIRED TO HAVE TEMPORARY STABILIZATION OR APPROPRIATE COVER TO CONTROL WIND AND WATER EROSION.
6. THE OPERATOR WITH CONTROL OF THE DAILY SITES ACTIVITIES IS REQUIRED TO MAINTAIN ALL SITE BMP'S IN GOOD CONDITION FOR THE DURATION OF THE PROJECT UNTIL A NOTICE OF TERMINATION IS ACCEPTED BY THE EPA.
7. IF SITE EARTH DISTURBANCES EXCEED 5 ACRES AT ANY ONE TIME, TEMPORARY AND/OR PERMANENT STABILIZATION MUST BE COMPLETED WITHIN 7 DAYS WHEN AREA BECOMES INACTIVE OR EARTH DISTURBING ACTIVITIES ARE COMPLETE. SITE EARTH DISTURBANCES OF LESS THAN 5 ACRES, HAVE 14 DAYS TO PROVIDE TEMPORARY OR PERMANENT STABILIZATION WHEN AREA BECOMES INACTIVE OR EARTH DISTURBING ACTIVITIES ARE COMPLETE.

GENERAL EROSION NOTES:

- A. THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IS COMPRISED OF THE SWPPP BOOK, THE 2022 GENERAL CONSTRUCTION PERMIT, THIS DRAWING ("TEMPORARY EROSION CONTROL AND SEDIMENTATION PLAN"), STANDARD DETAILS ("TEMPORARY EROSION CONTROL AND SEDIMENTATION DETAILS"), EPA NOTICE OF INTENT PERMIT AND ALL SUBSEQUENT REPORTS, CORRECTIVE ACTIONS AND EROSION CONTROL RELATED DOCUMENTS.
- B. ALL OPERATORS AS DESIGNATED, CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH SITE ACTIVITIES RELATED TO STORM WATER POLLUTION PREVENTION SHALL REVIEW A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), THE 2017 CONSTRUCTION GENERAL PERMIT, THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), THE CLEAN WATER ACT OF 1972 AND BECOME FAMILIAR WITH THEIR CONTENTS.
- C. THE OPERATOR IN CONTROL OF DAILY SITE ACTIVITIES SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS THAT MAY OCCUR AT NO ADDITIONAL COST TO PROJECT OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- D. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO ALL FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. OPERATOR WITH CONTROL OF DAILY SITE ACTIVITIES SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY, LOCAL JURISDICTIONAL AUTHORITY OR SWPPP COMPLIANCE INSPECTOR.
- E. THE TEMPORARY EROSION CONTROL AND SEDIMENTATION PLAN IS A WORKING DOCUMENT AND IS REQUIRED TO BE UPDATED WITHIN 24 HOURS OF ANY CHANGES. WHEN BMP'S ARE REPAIRED, RELOCATED OR REMOVED BY NOTING ON THE PLAN THE AREAS AND DATES OF THE REPAIRS, RELOCATIONS OR REMOVALS. AN ACTIVE COPY OF THE PLAN SHALL BE POSTED IN THE JOB SITE TRAILER ONSITE AND MUST BE MAINTAINED CURRENT AT ALL TIMES.
- F. CONTRACTOR SHALL MINIMIZE CLEARING AND EARTH DISTURBANCE TO THE MAXIMUM ACREAGE AS REQUIRED BY THE EPA CONSTRUCTION GENERAL PERMIT.
- G. CONTRACTOR SHALL DENOTE ON THIS PLAN, THE LOCATION OF TEMPORARY PARKING, STORAGE, PORTABLE SANITARY FACILITIES, OFFICE TRAILERS, AND ALL SUPPORT AREAS. RELOCATIONS OF EACH SHALL ALSO BE DOCUMENTED AS THEY OCCUR.
- H. ALL WASH OUT WATER USED FOR CONCRETE, MASONRY, PAINT AND OTHER MATERIALS SHALL HAVE ADEQUATE SIGNAGE WITH PROPER CONTAINMENT AND DISPOSED OF PROPERLY WHEN CAPACITY REACHES 50% OR PER VENDOR RECOMMENDATIONS. VENDORS AND TRADESMEN SHALL BE INFORMED OF THE REQUIREMENTS TO USE THE WASH OUT.
- I. A SPILL KIT SHALL BE READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS. A DISCHARGE OF ANY MATERIAL IN A QUANTITY THAT MAY WITHIN REASONABLE PROBABILITY CAUSE, INJURE OR BE DETRIMENTAL TO HUMAN HEALTH, ANIMAL OR PLANT LIFE, OR PROPERTY; OR INTERFERE WITH THE PUBLIC WELFARE MUST BE REPORTED TO THE NEW MEXICO ENVIRONMENTAL DEPARTMENT HOTLINE AT (505) 827-8329 FOR EMERGENCIES OR FOR NON EMERGENCIES AT (866)-428-6535. IF UNSURE IF THE SPILL IS OF A SIGNIFICANT QUANTITY, THE SPILL SHOULD BE REPORTED TO THE HOTLINE AND INFORMATION PROVIDED WITH DETAILS OF THE SPILL FOR FURTHER ACTIONS.
- J. DUST DURING CONSTRUCTION OPERATIONS SHALL BE FREQUENTLY CONTROLLED BY WATER SUPPRESSION METHODS ONLY. EARTH DISTURBING OPERATIONS SHALL CEASE IF HIGH WINDS ABOVE 35 MPH ARE PRESENT. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS IS STRICTLY PROHIBITED. OTHER CHEMICALS USED FOR DUST SUPPRESSION MUST BE APPROVED BY THE EPA PRIOR TO THEIR USE.
- K. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED, COVERED, LEAK PROOF CONTAINERS. CONTAINERS SHALL BE DISPOSED OF PROPERLY WHEN CAPACITY IS REACHED. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER.
- L. ALL STORM WATER POLLUTION PREVENTION MEASURES AND CONTROLS PRESENTED ON THIS PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED PER THE SEQUENCE OF CONSTRUCTION AS NOTED.
- M. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS BEEN TEMPORARILY SUSPENDED FOR 14 DAYS, SHALL HAVE TEMPORARILY STABILIZATION IN PLACE NO LATER THAN 14 DAYS FROM THE LAST DATE OF CONSTRUCTION ACTIVITY OCCURRING THESE AREAS.
- N. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL HAVE PERMANENT CONTROLS IN PLACE NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.
- O. IF THE ACTION OF VEHICLES OR EQUIPMENTS TRAVELING OVER THE CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD FROM LEAVING THE SITE, THEN THE LENGTH OF THE EXIT SHOULD BE EXTENDED TO PROVIDE ADDITIONAL TIRE ROTATIONS, LARGER ROCK MAY BE USED TO CREATE A SUFFICIENT JARRING MOTION OR INSTALL A TIRE WASH OFF WITH A SEDIMENT TRAP BEFORE LEAVING THE SITE.
- P. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- Q. THE OPERATOR IN CHARGE OF THE DAILY SITES ACTIVITIES WILL BE RESPONSIBLE FOR REMOVING SEDIMENT OR SOLS ACCUMULATING MORE THAN 50% OF THE DESIGN CAPACITY IN DETENTION PONDS, SILT FENCING OR OTHER SIMILAR EROSION CONTROLS.
- R. ON-SITE & OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES, AS REQUIRED PER THE CONSTRUCTION GENERAL PERMIT. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE ESC PLAN AND PERMITTED IN ACCORDANCE WITH LOCAL AUTHORITIES HAVING JURISDICTIONAL CONTROL.
- S. SLOPES SHALL BE LEFT WITH CROSS SLOPE GRADING PATTERN AND IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION RILLS. EXCESSIVE SLOPES MAY REQUIRE ADDITIONAL INDUSTRY STANDARD CONTROLS TO PREVENT EROSION.
- T. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE OPERATOR IN CONTROL OF THE SITE'S DAILY ACTIVITIES SHALL BE RESPONSIBLE FOR ADJUSTING AND MAINTAINING ALL EROSION CONTROL TO PREVENT EROSION.
- U. ALL DISTURBED AREAS SHALL BE SUPPRESSED BY WATER AND ALL CONTROLS LEFT IN GOOD WORKING CONDITION AT THE END OF EACH WORKING DAY. THIS INCLUDES REPLACEMENT OF SILT FENCING AND/OR OTHER SURFACE CONTROLS, TRACK OUT SWEEP CLEAN, BACKFILL OF OPEN TRENCHES AND ANY OTHER EROSION CONTROLS.

ESC PLAN STANDARD NOTES:

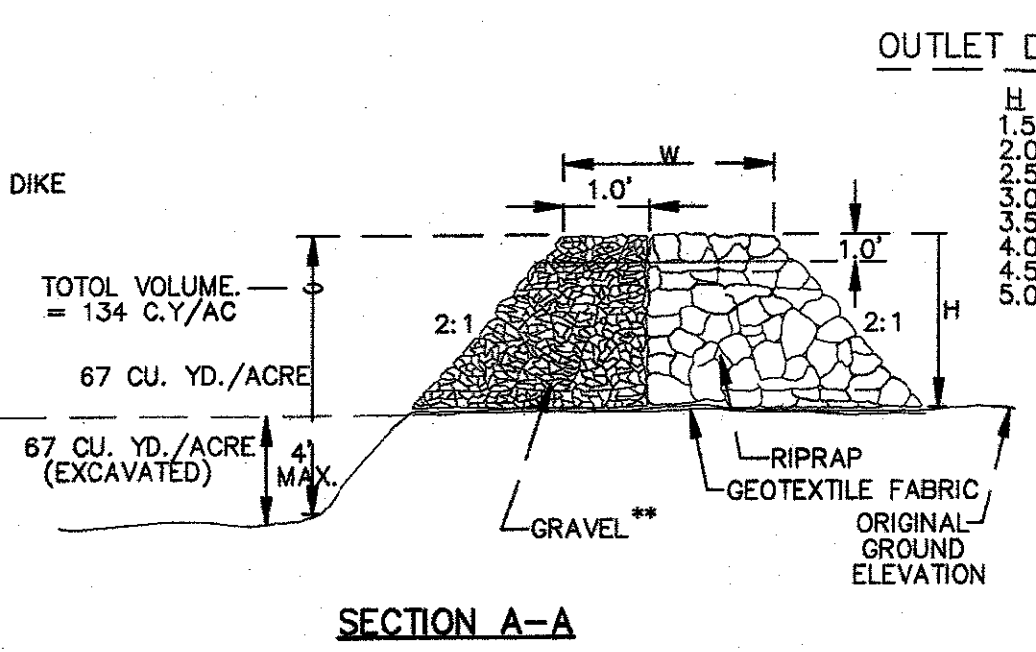
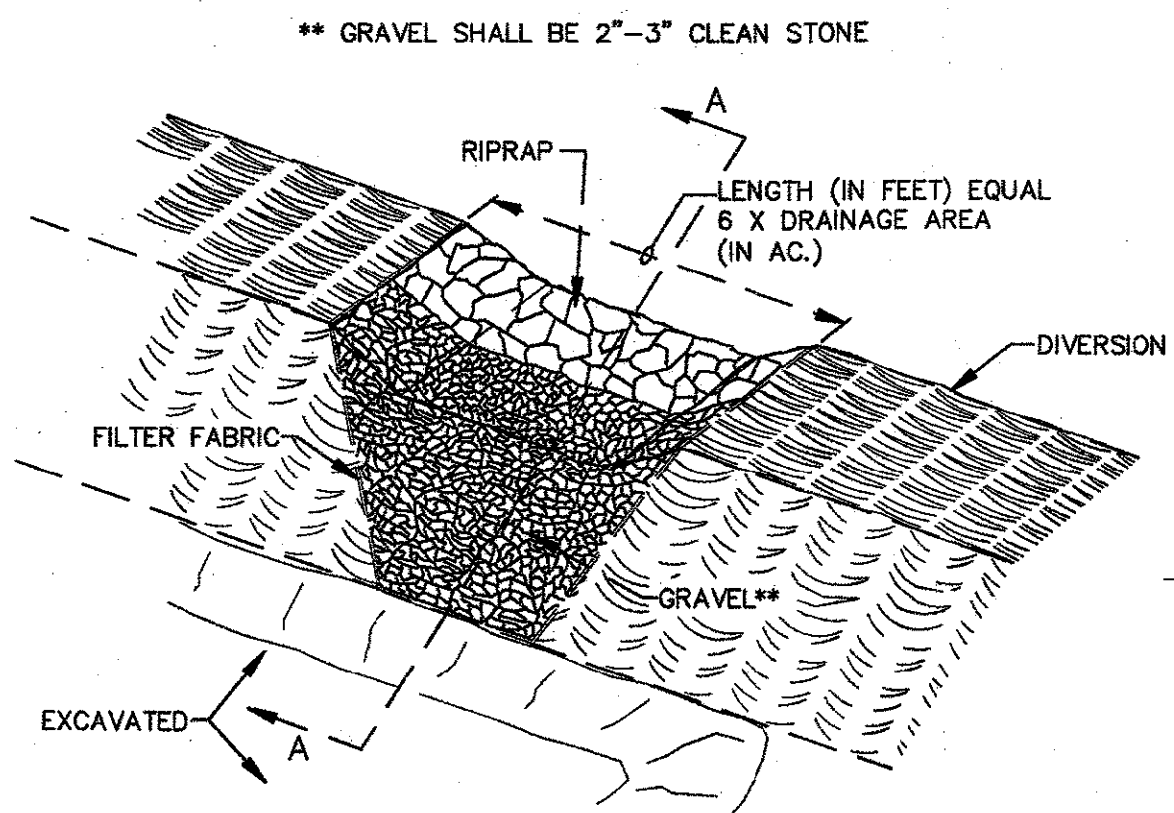
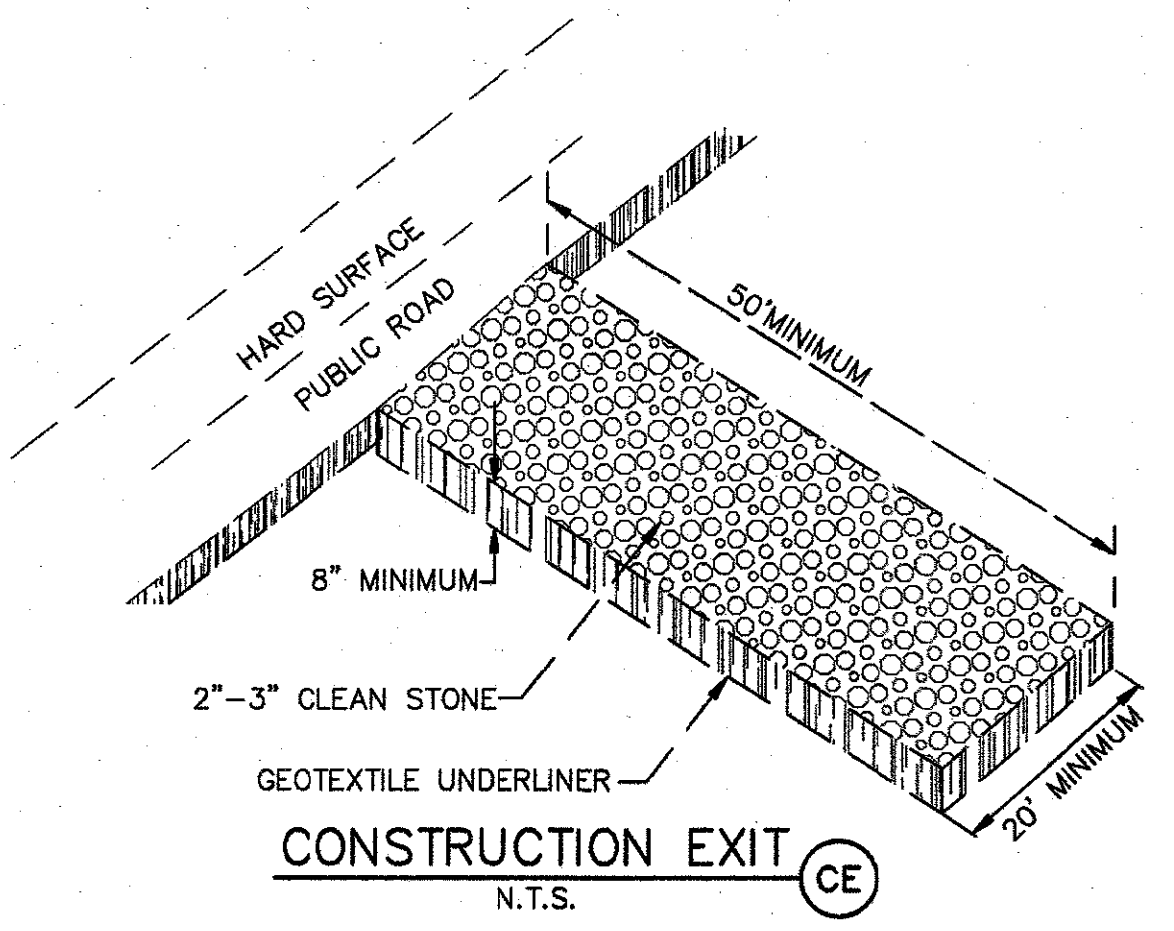
1. ALL EROSION AND SEDIMENT CONTROL (ESC WORK) ON THESE PLANS, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON SHALL BE PERMITTED, CONSTRUCTED, INSPECTED, AND MAINTAINED IN ACCORDANCE WITH:
  - a. THE CITY ORDINANCE §14-5-2-11, THE ESC ORDINANCE,
  - b. THE EPA'S 2022 CONSTRUCTION GENERAL PERMIT (CGP), AND
  - c. THE CITY OF ALBUQUERQUE CONSTRUCTION BMP MANUAL.
2. ALL BMP'S MUST BE INSTALLED PRIOR TO BEGINNING ANY EARTH MOVING ACTIVITIES EXCEPT AS SPECIFIED HEREON IN THE PHASING PLAN. CONSTRUCTION OF EARTHEN BMP'S SUCH AS SEDIMENT TRAPS, SEDIMENT BASINS, AND DIVERSION BERMS SHALL BE COMPLETED AND INSPECTED PRIOR TO ANY OTHER CONSTRUCTION OR EARTHWORK. SELF-INSPECTION IS REQUIRED AFTER INSTALLATION OF THE BMP'S AND PRIOR TO BEGINNING CONSTRUCTION.
3. SELF-INSPECTIONS - AT A MINIMUM A ROUTINE COMPLIANCE SELF-INSPECTION IS REQUIRED TO REVIEW THE PROJECT FOR COMPLIANCE WITH THE CONSTRUCTION GENERAL PERMIT ONCE EVERY 14 DAYS AND AFTER ANY PRECIPITATION EVENT OF 1/4 INCH OR GREATER UNTIL THE SITE CONSTRUCTION HAS BEEN COMPLETED AND THE SITE DETERMINED AS STABILIZED BY THE CITY. REPORTS OF THESE INSPECTIONS SHALL BE KEPT BY THE PERSON OR ENTITY AUTHORIZED TO DIRECT THE CONSTRUCTION ACTIVITIES ON THE SITE AND MADE AVAILABLE UPON REQUEST.
4. CORRECTIVE ACTION REPORTS MUST BE KEPT BY THE PERSON OR ENTITY AUTHORIZED TO DIRECT THE CONSTRUCTION ACTIVITIES ON THE SITE AND MADE AVAILABLE UPON REQUEST.
5. STABILIZATION REPORTS MUST BE KEPT BY THE PERSON OR ENTITY AUTHORIZED TO DIRECT THE CONSTRUCTION ACTIVITIES ON THE SITE AND MADE AVAILABLE UPON REQUEST. REPORTS SHOULD INCLUDE RECORDS OF WEED REMOVAL PER CITY ORDINANCE (§9-8-1), STERILIZATION, SOIL TEST RESULTS AND RECOMMENDATION, MATERIALS AND MANUFACTURER'S SPECIFICATIONS FOR APPLICATION RATES, ESTIMATED FUNCTIONAL LONGEVITY, METHODS OF APPLICATION, INSPECTION AND MAINTENANCE. THE REDUCED SELF-INSPECTION SCHEDULE IN CGP 4.4.1 APPLIES TO STABILIZED AREA AND ANY DAMAGED OR WORN STABILIZATION MUST BE IDENTIFIED IN THE REPORTS ALONG WITH WEED PROBLEMS. CORRECTIVE ACTIONS FOR STABILIZATION SHALL BE DOCUMENTED IN A STABILIZATION REPORT INCLUDING ACTUAL RATES AND DATES OF STABILIZATION, AND THE MATERIALS AND MANUFACTURER'S SPECIFICATIONS USED.
6. BMP'S SHALL BE INSPECTED AND MAINTAINED UNTIL ALL DISTURBED AREAS ARE STABILIZED IN ACCORDANCE WITH THE FINAL STABILIZATION CRITERIA (CGP 2.2.14.b). GENERALLY, ALL DISTURBED AREAS, OTHER THAN STRUCTURES AND IMPERVIOUS SURFACES, MUST HAVE UNIFORM PERENNIAL VEGETATION THAT PROVIDES 70 PERCENT OR MORE OF THE COVER PROVIDED BY NATIVE VEGETATION OR SEED THE DISTURBED AREA AND PROVIDE NON-VEGETATIVE MULCH THAT PROVIDES COVER AT LEAST THREE YEARS WITHOUT ACTIVE MAINTENANCE. FINAL STABILIZATION MUST BE APPROVED BY THE CITY OF ALBUQUERQUE PRIOR TO REMOVAL OF BMP'S AND DISCONTINUATION OF INSPECTIONS.

FOR REFERENCE ONLY

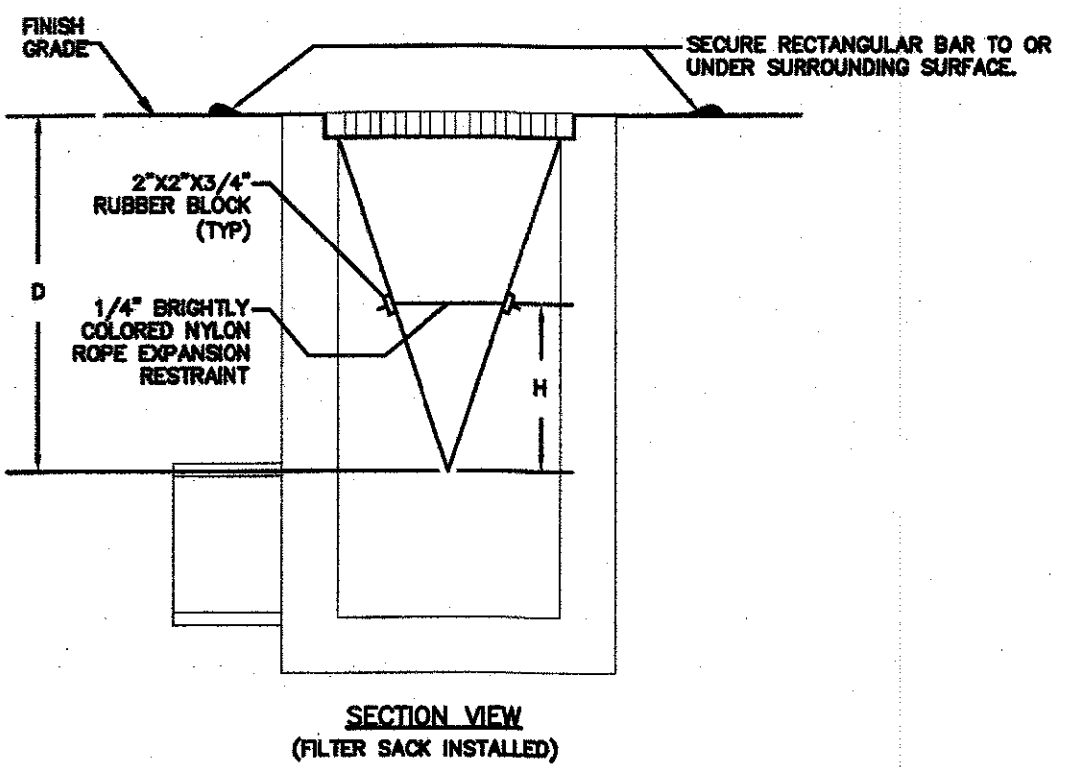
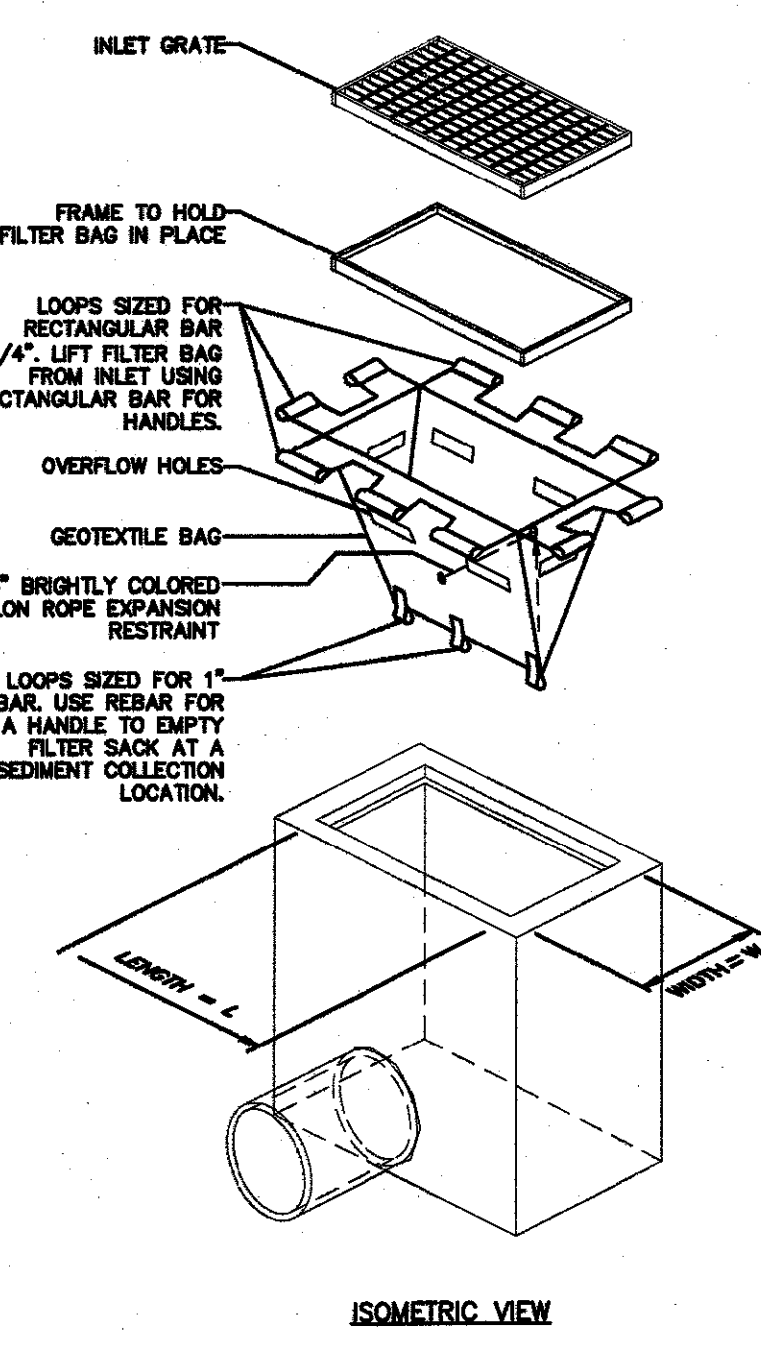
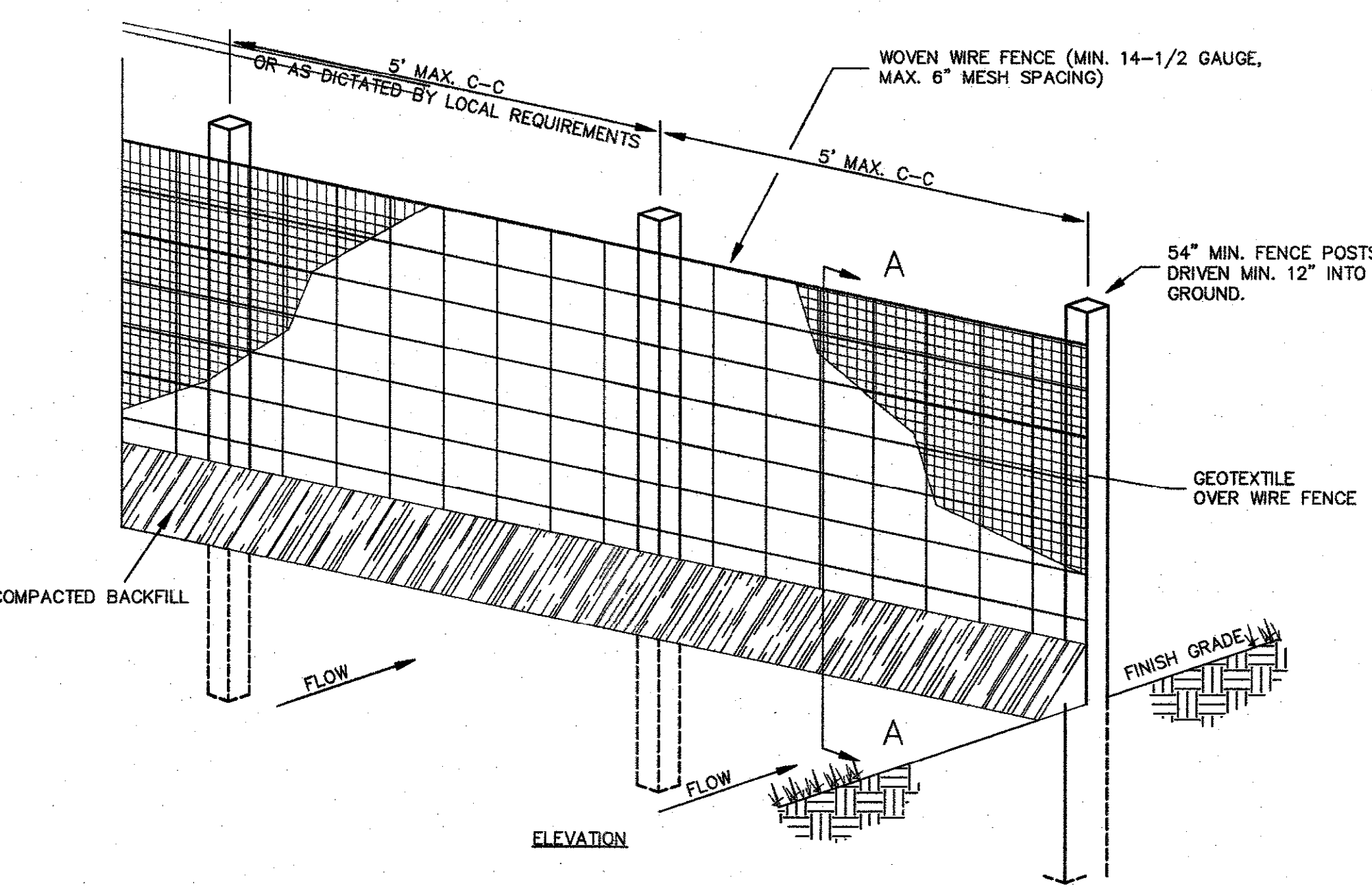
<b>TIERRA WEST, LLC</b> 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrawestllc.com	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: DAYTONA ROAD EROSION CONTROL NOTES	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
FOR INFORMATION ONLY -- NOT PART OF CITY WORK ORDER	
CITY PROJECT NO. 655793	ZONE MAP NO. K-9-Z
SHEET 18	OF 19

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR: <b>Tierra West, LLC</b>	WORK: <b>EROSION CONTROL</b>	A.G.R.S. MONUMENT "REWARD"	DATE	FIELD NOTES	NO.	BY	REMARKS
DESIGNED BY: <b>VC</b>	DRAWN BY: <b>pm</b>	STANDARD A.G.R.S. BRASS TABLET					DESIGN
CHECKED BY: <b>RRB</b>	RECORDED BY: <b>RRB</b>	NEW MEXICO STATE PLANE COORDINATES					REVISIONS
		(CENTRAL ZONE - N.A.D. 1983)					
		N=1,497,364.083					
		E=1,491,190.819					
		PUBLISHED EL=5319.688 (NAVD 1988)					
		GROUND TO GRID FACTOR=0.999875005					
		DELTA ALPHA ANGLE=-07112.26"					





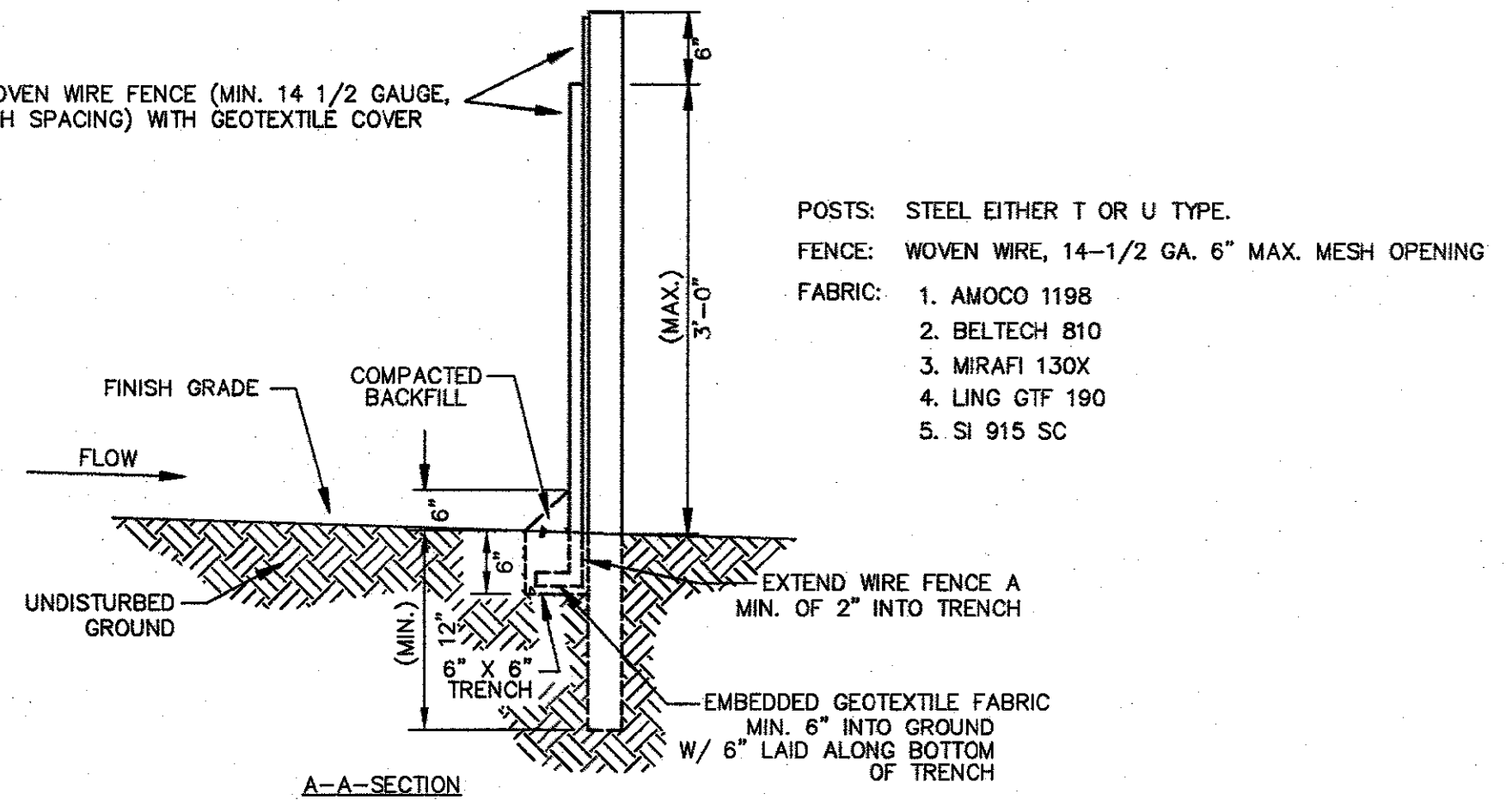
OUTLET (PERSPECTIVE)  
TEMPORARY SEDIMENT TRAP (ST)  
N.T.S.



- NOTES:
1. GEOTEXTILE SHALL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
  2. PLACE AN OIL ABSORBENT PAD OR PILLOW OVER INLET GRATE WHEN OIL SPILLS ARE A CONCERN.
  3. THE WIDTH, "W", OF THE FILTER SACK SHALL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
  4. THE DEPTH, "D", OF THE FILTER SACK SHALL BE BETWEEN 18 INCHES AND 36 INCHES.
  5. THE LENGTH, "L", OF THE FILTER SACK SHALL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX.
- MAINTENANCE NOTES:
1. INLET PROTECTION DEVICES MUST BE INSPECTED FOR SEDIMENT ACCUMULATION WITHIN THE CATCH BASIN. REMOVE TRAPPED SEDIMENT WHEN BRIGHTLY COLORED EXPANSION RESTRAINT CAN NO LONGER BE SEEN.
  2. REMOVAL OF SEDIMENT ACCUMULATED IN OR ADJACENT TO A STORM DRAIN INLET MUST BEGIN IMMEDIATELY UPON DISCOVERY, WITH COMPLETION OF THE ACTIVITY OCCURRING NO LATER THAN THE END OF THE FOLLOWING BUSINESS DAY.
  3. INLET PROTECTION DEVICES SHALL BE INSPECTED FOR UNINTENDED BYPASS OR IMPROPER FLOW-RATES THAT MAY CAUSE DOWNSTREAM FLOODING.
  4. CONTACT THE CDO FOR ALTERNATE INLET PROTECTION IF THE DESIGNED PROTECTION MAY IMPACT DOWNSTREAM BMPs, ADJACENT SLOPES, ETC., DUE TO PONDING ISSUES. ENSURE THAT NO UNDERMINING OF INLET PROTECTION DEVICES HAS OCCURRED.
  5. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETEIORATION.

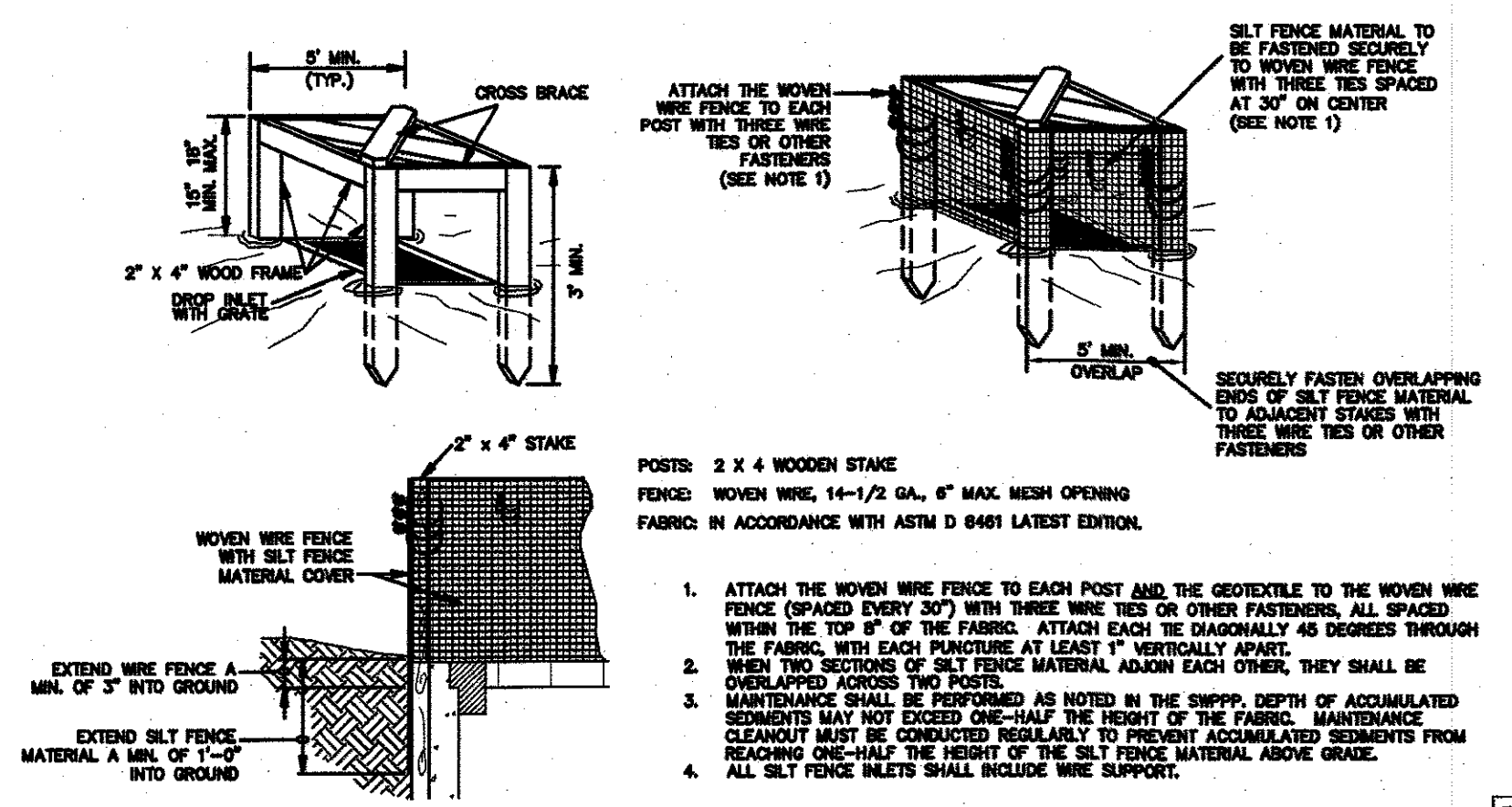
LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE			MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS	PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4832	300 LBS	GRAB TENSILE STRENGTH	ASTM D-4832	285 LBS
GRAB TENSILE ELONGATION	ASTM D-4832	20 %	GRAB TENSILE ELONGATION	ASTM D-4832	20 %
PUNCTURE	ASTM D-4833	120 LBS	PUNCTURE	ASTM D-4833	135 LBS
MULLEN BURST	ASTM D-3768	800 PS	MULLEN BURST	ASTM D-3768	420 PS
TRAPZOID TEAR	ASTM D-4833	120 LBS	TRAPZOID TEAR	ASTM D-4833	45 LBS
UV RESISTANCE	ASTM D-4355	80 %	UV RESISTANCE	ASTM D-4355	80 %
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE	APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4481	40 GAL/MIN/SQ FT	FLOW RATE	ASTM D-4481	200 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4481	0.55 SEC -1	PERMITTIVITY	ASTM D-4481	1.5 SEC -1

IP5 INLET PROTECTION FILTER SACK  
N.T.S.  
FOR USE ONLY IN PAVED AREAS WHERE SEDIMENT LOADS ARE EXPECTED TO BE VERY LOW. FILTER SACK MUST HAVE OVERFLOW HOLES TO PREVENT PONDING.



1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES.
2. GEOTEXTILE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF GEOTEXTILE ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NOTED IN THE EROSION CONTROL PLAN. COLLECTED MATERIAL SHALL BE REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
5. ALL SILT FENCE SHALL INCLUDE WIRE SUPPORT UNLESS INDICATED OTHERWISE

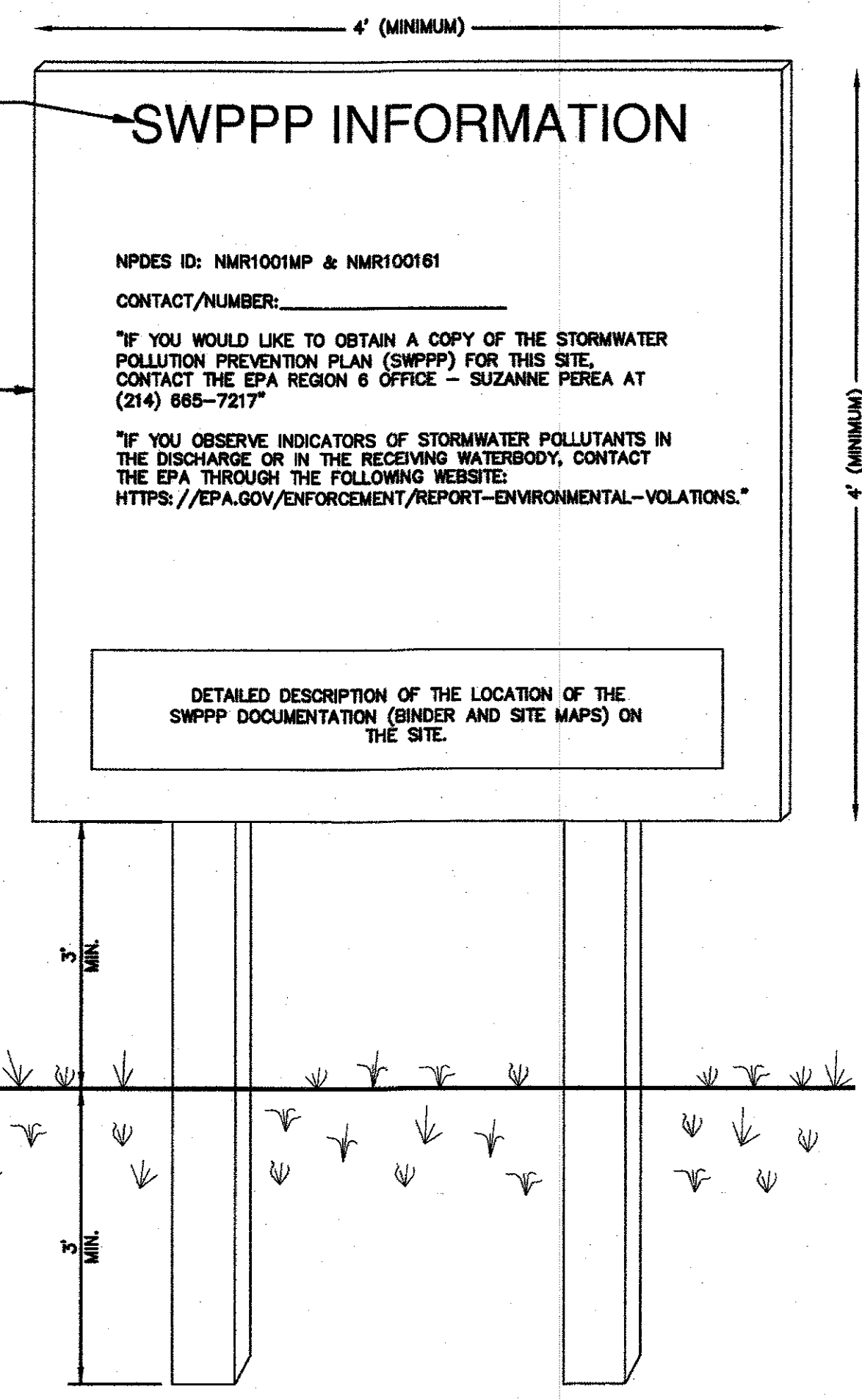
SEDIMENTATION/SILT FENCE WITH WIRE SUPPORT (SF)  
N.T.S.



SILT FENCE INLET PROTECTION (IP6)  
N.T.S.

"SWPPP INFORMATION" MUST BE DISPLAYED PROMINENTLY ACROSS THE TOP OF THE SIGN, AS SHOWN IN THE DETAIL.

SIGN TO BE CONSTRUCTED OF A RIGID MATERIAL, SUCH AS PLYWOOD OR OUTDOOR SIGN BOARD. SIGN MUST BE CONSTRUCTED IN A MANNER TO PROTECT DOCUMENTS FROM DAMAGE DUE TO WEATHER (WIND, SUN, MOISTURE, ETC.).

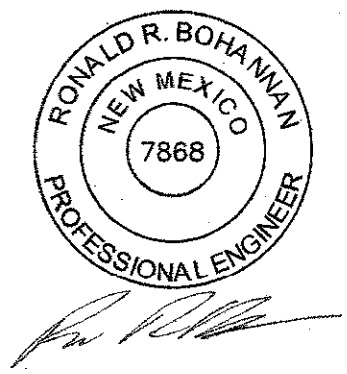


- NOTES:
1. THE SWPPP INFORMATION SIGN MUST BE LOCATED NEAR THE CONSTRUCTION EXIT OF THE SITE, SUCH THAT IT IS ACCESSIBLE AND VIEWABLE BY THE GENERAL PUBLIC, BUT NOT OBSTRUCTING VIEWS AS TO CAUSE A SAFETY HAZARD.
  2. ALL POSTED DOCUMENTS MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE NOTICE-OF-TERMINATION (NOT) IS FILED FOR THE PERMIT.
  3. CONTRACTOR SHALL POST OTHER STORM WATER AND/OR EROSION AND SEDIMENT CONTROL RELATED PERMITS ON THE SIGN AS REQUIRED BY THE GOVERNING AGENCY.
  4. SIGN SHALL BE LOCATED OUTSIDE OF PUBLIC RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED BY THE GOVERNING AGENCY.
  5. CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY OF THE SWPPP INFORMATION SIGN.

SWPPP INFORMATION SIGN (SS)  
N.T.S.

TERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierawestllc.com	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: DAYTONA ROAD EROSION CONTROL DETAILS	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
FOR INFORMATION ONLY -- NOT PART OF CITY WORK ORDER	
CITY PROJECT NO. 655793	ZONE MAP NO. K-9-Z
SHEET 19	OF 19

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR: <i>Terra West, LLC</i>	DATE: <i>10/22/2022</i>	STANDARD A.G.R.S. BRASS TABLET	DATE: <i>10/22/2022</i>	NO.	BY	NO.	BY
WORK: <i>Daytona Road Erosion Control</i>	DATE: <i>10/22/2022</i>	NEW MEXICO STATE PLANE COORDINATES	DATE: <i>10/22/2022</i>				
INSPECTION: <i>By [Signature]</i>	DATE: <i>10/22/2022</i>	(CENTRAL ZONE - N.A.D. 1983)	DATE: <i>10/22/2022</i>				
ACCEPTANCE: <i>By [Signature]</i>	DATE: <i>10/22/2022</i>	N=1,487,364.063	DATE: <i>10/22/2022</i>				
DRAWINGS: <i>By [Signature]</i>	DATE: <i>10/22/2022</i>	E=1,491,190.819	DATE: <i>10/22/2022</i>				
CORRECTED: <i>By [Signature]</i>	DATE: <i>10/22/2022</i>	PUBLISHED EL=5318.686 (NAD 1986)	DATE: <i>10/22/2022</i>				
MICRO-FILM INFORMATION		GROUND TO GRID FACTOR=0.999879005					
RECORDED BY		DELTA ALPHA ANGLE=0712.26"					
NO.							



10-1-22