

# CITY OF ALBUQUERQUE

*Planning Department*  
Brennon Williams, Director



*Mayor Timothy M. Keller*

July 9, 2020

Ronald Bohannon, P.E.  
Tierra West, LLC  
5571 Midway Park Place NE  
Albuquerque, NM, 87109

**RE: Coors & Western Trail  
Tract 3A & 3B  
Engineer's Stamp Date: 04/18/19  
Engineer's Certification Date: 06/18/20  
Hydrology File: F11D007  
CPN # 550982**

Dear Mr. Bohannon:

Based on the information provided in your submittal received 07/09/2020 and site photo received on 07/09/20, the Engineer's Certification is approved for ROFG/SIA for Hydrology.

If you have any questions, please contact me at 924-3995 or [rbrissette@cabq.gov](mailto:rbrissette@cabq.gov).

Sincerely,

Renée C. Brissette, P.E. CFM  
Senior Engineer, Hydrology  
Planning Department



# City of Albuquerque

Planning Department  
Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

**Project Title:** Coors Village CPN 550982 **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** F11D019  
**DRB#:** PR-2018-001584 **EPC#:** #1000032/08EPC-40030 and 40031 **Work Order#:** CPN 550982  
**Legal Description:** Improvements associated with Tracts 3A & 3B, Coors Village  
**City Address:** 4515 Coors Blvd NW, Albuquerque, NM 87120

**Applicant:** Tierra West LLC **Contact:** Richard Stevenson  
**Address:** 5571 Midway Park Pl. NE 87109 Albuquerque NM  
**Phone#:** 858-3100 **Fax#:** \_\_\_\_\_ **E-mail:** rstevenson@tierrawestll.com

**Other Contact:** \_\_\_\_\_ **Contact:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Phone#:** \_\_\_\_\_ **Fax#:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**TYPE OF DEVELOPMENT:** \_\_\_\_\_ PLAT (# of lots) \_\_\_\_\_ RESIDENCE ☒ DRB SITE \_\_\_\_\_ ADMIN SITE

IS THIS A RESUBMITTAL? \_\_\_\_\_ Yes ☒ No

**DEPARTMENT** \_\_\_\_\_ TRANSPORTATION ☒ HYDROLOGY/DRAINAGE

Check all that Apply:

### TYPE OF SUBMITTAL:

- ☒ ENGINEER/ARCHITECT CERTIFICATION
- ☐ PAD CERTIFICATION
- ☐ CONCEPTUAL G & D PLAN
- ☐ GRADING PLAN
- ☐ DRAINAGE REPORT
- ☐ DRAINAGE MASTER PLAN
- ☐ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
- ☐ ELEVATION CERTIFICATE
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ TRAFFIC IMPACT STUDY (TIS)
- ☐ STREET LIGHT LAYOUT
- ☐ OTHER (SPECIFY) \_\_\_\_\_
- ☐ PRE-DESIGN MEETING?

### TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☐ BUILDING PERMIT APPROVAL
- ☐ CERTIFICATE OF OCCUPANCY
- ☐ PRELIMINARY PLAT APPROVAL
- ☐ SITE PLAN FOR SUB'D APPROVAL
- ☐ SITE PLAN FOR BLDG. PERMIT APPROVAL
- ☐ FINAL PLAT APPROVAL
- ☒ SIA/ RELEASE OF FINANCIAL GUARANTEE
- ☐ FOUNDATION PERMIT APPROVAL
- ☐ GRADING PERMIT APPROVAL
- ☐ SO-19 APPROVAL
- ☐ PAVING PERMIT APPROVAL
- ☐ GRADING/ PAD CERTIFICATION
- ☐ WORK ORDER APPROVAL
- ☐ CLOMR/LOMR
- ☐ FLOODPLAIN DEVELOPMENT PERMIT
- ☐ OTHER (SPECIFY) \_\_\_\_\_

**DATE SUBMITTED:** 7/7/2020 **By:** Richard Stevenson

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_

FEE PAID: \_\_\_\_\_

# CONSTRUCTION PLANS FOR COORS VILLAGE TRACTS 3-A & 3-B PUBLIC INFRASTRUCTURE ALBUQUERQUE, NEW MEXICO March, 2019

*W*

## INDEX TO DRAWINGS

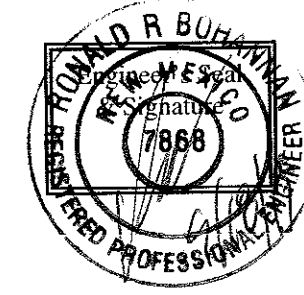
1. TITLE SHEET
2. PLAT
3. PROPOSED SITE PLANS - TRACT 3A & 3B (FOR REFERENCE ONLY)
4. PAVING IMPROVEMENT PLAN (WESTERN TRAIL)
5. STRIPING AND SIGNAGE IMPROVEMENT PLAN (WESTERN TRAIL)
6. PAVING IMPROVEMENTS (MILNE RD) (PRIVATE ROAD ENTRANCE)
7. STORM SEWER IMPROVEMENT PLAN (WESTERN TRAIL)
8. STORM SEWER IMPROVEMENTS (ONSITE) (PRIVATE)
9. WATERLINE IMPROVEMENTS (MILNE RD.)
10. WATERLINE AND SEWER IMPROVEMENTS (ONSITE RD.)
11. PRIVATE ROAD CONSTRUCTION PLAN
12. CONSTRUCTION DETAILS (PAVING)
13. UTILITY CONSTRUCTION DETAILS (SAS & WL)
14. UTILITY CONSTRUCTION DETAILS (WL-TRACER WIRE)
15. UTILITY CONSTRUCTION DETAILS (WL-TRACER WIRE)

4R 8-27-19

7R 8-27-19

### CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Terra 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 Planning Department and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings.



### OTHER COMMON NOTES

1. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE ACCOMPLISHED IN ACCORDANCE WITH OSHA 29CFR 1926.850 SUBPART P.
2. WHEN DISTURBING MORE THAN 1/4 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 THERE TO.
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.

### SIGNAL PLANS - WESTERN TRAIL & COORS

16. SIGNAL NOTES
17. SIGNAL PLAN
18. SIGNAL PHASING PLAN
19. CABLES AND CONDUITS, SIGNAL NOTES
20. MASTARM DETAILS, TYPE III STANDARD - A
21. MASTARM DETAILS, TYPE III STANDARD - B
22. MISCELLANEOUS DETAILS A - TYPE III STANDARD
23. MISCELLANEOUS DETAILS B - TYPE III STANDARD
24. OPTICAL DETECTOR INSTALLATION DETAILS
25. PULL BOX DETAILS
26. FOUNDATION DETAILS, TYPE II AND TYPE III STANDARD
27. FUNCTION AND DETECTORS AND DETECTOR TABLES
28. TRAFFIC CONTROL STANDARDS (COA)
29. TRAFFIC CONTROL PLAN (WESTERN TRAIL)
30. TRAFFIC CONTROL PLAN (WESTERN TRAIL LEFT TURN)

### COORS PAVING IMPROVEMENTS (NMDOT)

1. TITLE SHEET
2. PLAT
3. OVERALL SITE PLAN (REFERENCE ONLY)
4. PAVING IMPROVEMENT PLAN (COORS BLVD)
5. STRIPING AND SIGNING IMPROVEMENT PLAN (COORS BLVD)
6. CONSTRUCTION DETAILS
7. SIGNALIZATION PLAN (REFERENCE ONLY)
8. PAVING IMPROVEMENT (WESTERN TRAIL) (REFERENCE ONLY)
9. TRAFFIC CONTROL STANDARDS (NMDOT)
10. TRAFFIC CONTROL PLAN (NMDOT)

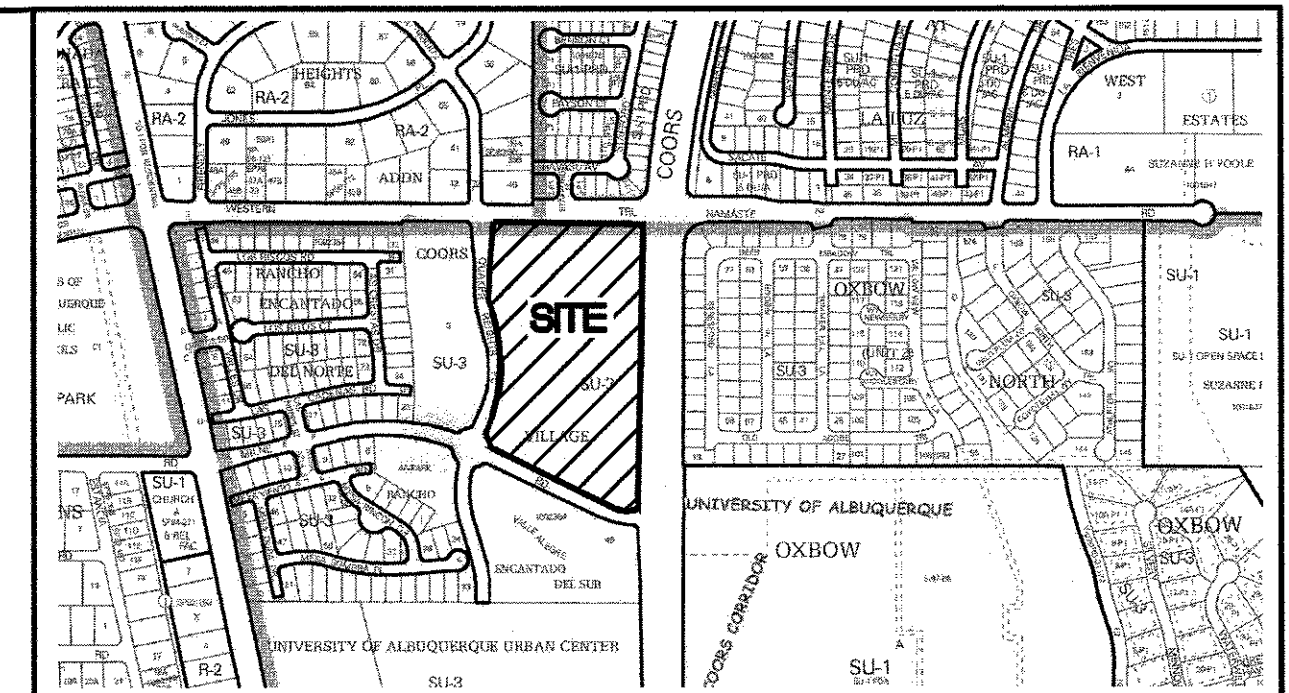
### HYDROLOGY

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.

### WATER & SEWER

3. 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.
4. MANHOLE RIMS, FIRE HYDRANT ELEVATIONS, AND FLANGE ELEVATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT OR SURFACE GRADES.
5. 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\\_PROCEEDURES.ASPX](http://abcwua.org/water_shut_off_and_turn_on_procedures.aspx).
6. 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").
7. 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 (SEE SHEET 13).
8. 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.
9. 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.
10. ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO THE CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #9. THE CONTRACTOR SHALL INSTALL A 4" X 4" X 5" POST AND EMS AT THE END OF EACH SANITARY SEWER SERVICE.
11. TRACER WIRE SHALL BE INCLUDED FOR ALL PUBLIC WATER AND SEWER MAINS AND FOR WATER SERVICES IN ACCORDANCE WITH WATER AUTHORITY DETAILS.
12. CONTRACTOR SHALL PROVIDE THE PROPOSED HYDRO TESTING PLANS TO THE WUA INSPECTORS FOR APPROVAL PRIOR TO BEGINNING TESTING OPERATIONS.
13. 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.
14. 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\\_PROCEEDURES.ASPX](http://www.abcwua.org/water_shut_off_and_turn_on_procedures.aspx).



VICINITY MAP

ZONE MAP F-11-Z

SCALE: NONE

### 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, 1986 EDITION THROUGH UPDATE #9, 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 (280-1890) 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.
- ### 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 ABUTTING 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 REGULAR AND SQUARE OR RECTANGULAR, WITH FOUR STRAIGHT SIDES. FINISHED PAVEMENT SURFACE SHALL BE FLUSH WITH EXISTING PAVEMENT SURFACE, WITH NO SPILLOVER 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.

DRB NO. PR-2018-001584

REV	SHEETS	COUNTY	ENGINEER	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE		*****		
		DRC Chairman		4/18/19		4/18/19		APPROVED FOR CONSTRUCTION		
		Transportation		4/18/19		4/18/19				
		ABCWUA		4/18/19		4/18/19				
		Hydrology		4/18/19		4/18/19				
Traffic Engineer										
Constr. Mngmt.										
Berna. Cont. Public Works										
RONALD R. BOHANNAN P.E. #7888		CITY PROJECT NO.		550982		SHEET		1 OF 30		

RECORD DRAWINGS

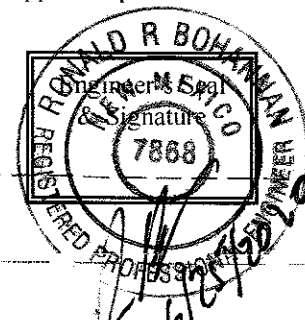






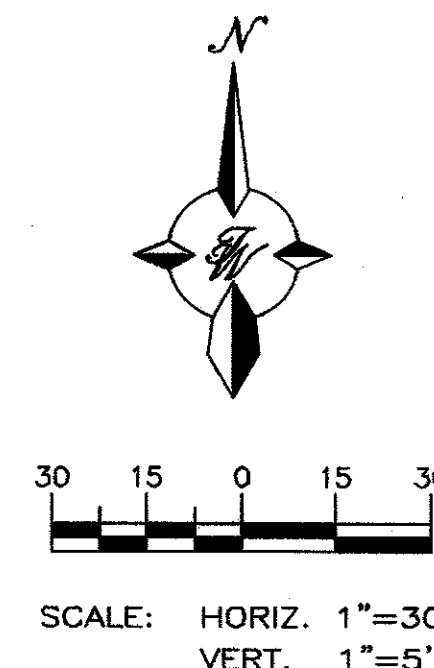
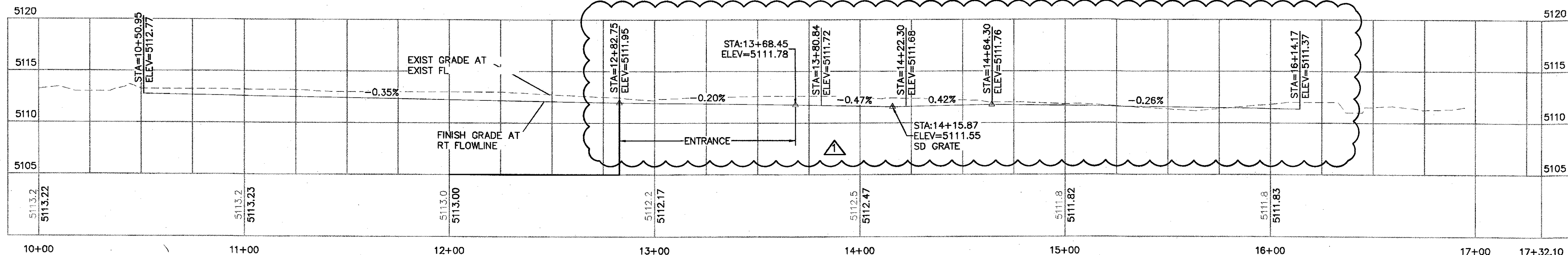
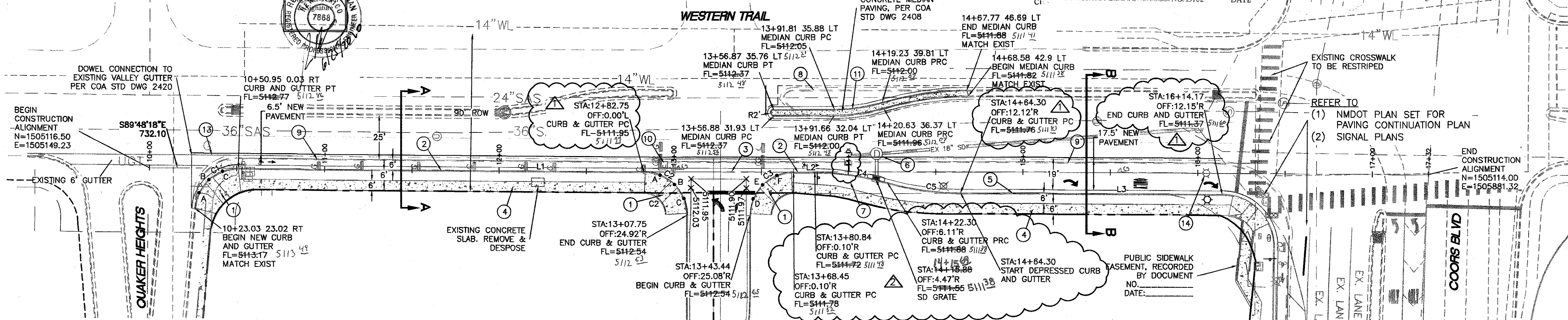
# CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

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 Planning Department and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings.



CHRISTOPHER A. MEDINA, N.M.E.L.S. NO. 15702, DO HEREBY CERTIFY THAT THE AS-BUILT INFORMATION SHOWN AND THE ACTUAL SURVEY WHICH IT WAS DERIVED FROM WAS PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THE INFORMATION SHOWN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

5/13/2020  
DATE



## LEGEND

	CURB & GUTTER
	BOUNDARY LINE
	RIGHT-OF-WAY LINE
	SIDEWALK
	EXISTING SD MANHOLE
	EXISTING SAS MANHOLE
	EXISTING POWER POLE
	EXISTING STREET LIGHT
	EXISTING FIBER OPTICS LINE
	EXISTING OVERHEAD POWER LINE
	EXISTING TELEPHONE LINE
	EXISTING GAS
	EXISTING SANITARY SEWER LINE
	EXISTING WATER LINE
	EXISTING STORM SEWER LINE
	SAWCUT LINE
	NEW ASPHALT PAVING PER PAVING SECTION SHEET 4

## LINE TABLE

LINE	BEARING	LENGTH
L1	S89°48'45"E	231.80
L2	S89°47'31"E	12.39
L3	S89°47'31"E	149.87

## CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH
C1	85°22'17"	25.00	37.25
C2	89°48'22"	25.00	39.19
C3	89°58'31"	25.00	39.26
C4	16°03'10"	150.00	42.03
C5	16°15'39"	150.00	42.57

## KEYED NOTES

- ACCESSIBLE RAMP W/TRUNCATED DOMES SEE DETAIL SHEET 12
- 8" STANDARD CURB AND GUTTER PER COA STD DWG 2415A
- NEW 6" VALLEY GUTTER PER COA STD DWG 2420
- 6" SIDEWALK PER COA STD DWG 2430
- DEPRESSED CURB AND GUTTER PER COA STD DWG 2415A
- NEW 4" DIAMETER COA MANHOLE
- DEMO EXISTING DI AND APPROX. 16" STORM PIPE
- REMOVE AND DISPOSE 220 LF MEDIAN CURB
- REMOVE AND DISPOSE 610 LF CURB AND GUTTER
- PNM TO RELOCATE PULL BOX
- MOUNTABLE MEDIAN CURB PER COA STD DWG 2415B
- GUTTER TRANSITION PER COA STD DWG 2415A AND 2420
- RELOCATE STREET LIGHT BEHIND NEW CURB.

## QUARTER POINTS

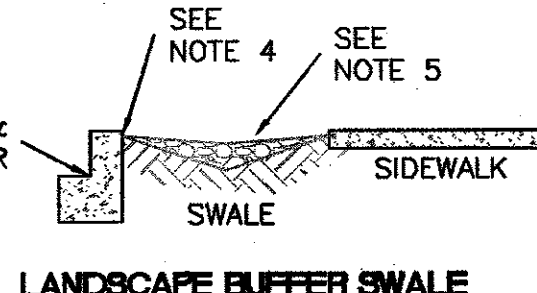
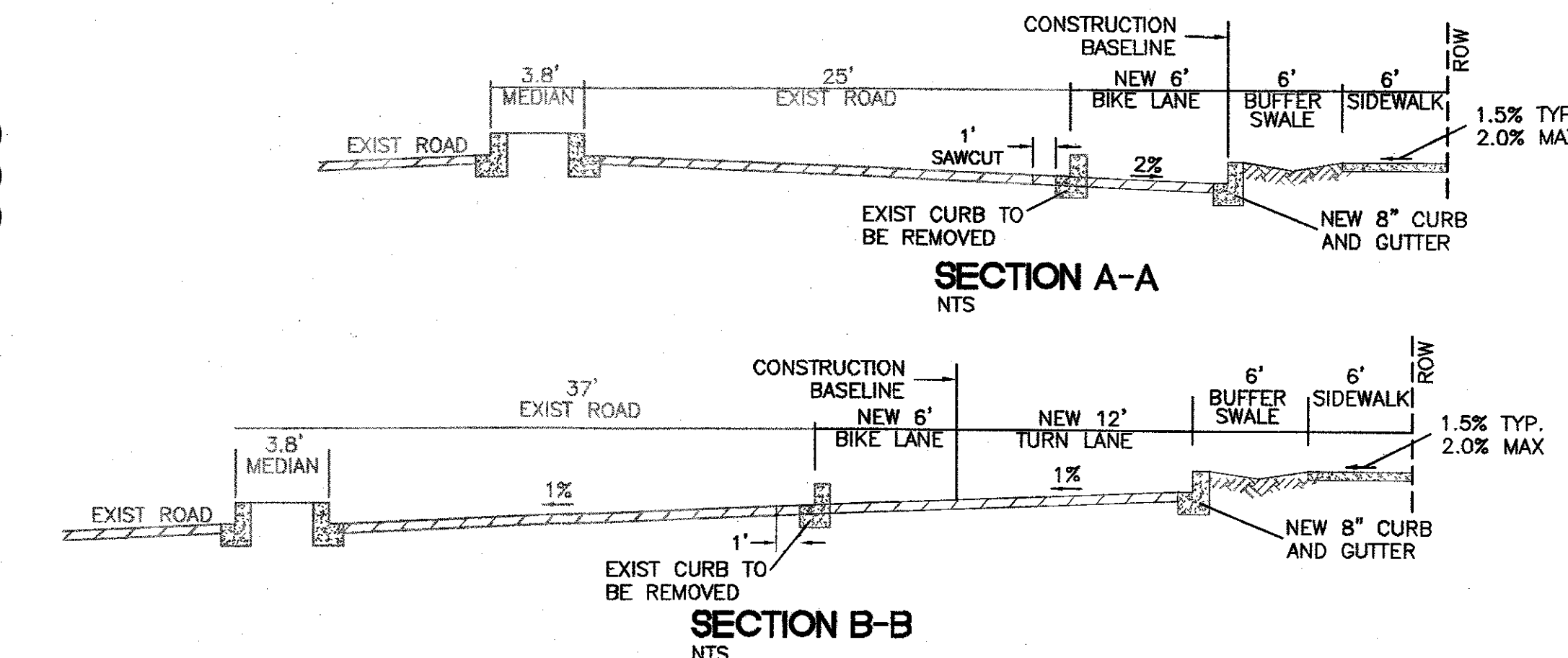
FL	ELEV.
A	5113.07
B	5112.97
C	5112.87

FL	ELEV.
A	5112.10
B	5112.24
C	5112.39

FL	ELEV.
D	5112.35
E	5112.17
F	5111.98



## LANDSCAPE BUFFER SWALE NOTES

- SWALE TO HAVE SIDE SLOPES OF 5:1 (H:V)
- FOR WIDE LANDSCAPE BUFFERS, GREATER THAN 10 FEET, THE MAXIMUM DEPTH IS 10 INCHES.
- LANDSCAPE BUFFERS 2 FEET AND LESS IN WIDTH ARE EXCLUDED.
- FINAL GRADE OF DIRT TO BE 1 TO 2 INCHES BELOW TOP OF CURB AND TOP OF SIDEWALK GRADE.
- SURFACE BETWEEN BACK OF CURB AND SIDEWALK TO BE COVERED WITH GRAVEL MULCH (MINIMUM 3/4" COBBLE OR RIP-RIIP. DO NOT FILL ENTIRE SWALE.
- A CHECK DAM WILL BE REQUIRED FOR SWALES ON STEEPER LONGITUDINAL SLOPES, 2.5% AND GREATER, AND LONGER SECTIONS. THE ENGINEER WILL DETERMINE THE LOCATION.
- LANDSCAPE FABRIC IS RECOMMENDED, BUT NOT REQUIRED, BETWEEN THE DIRT AND THE STONE. IF LANDSCAPE FABRIC IS TO BE USED IT IS TO BE PERMEABLE.
- IN THE CASE WHERE THE SIDEWALK IS EXISTING AND THE LANDSCAPE BUFFER IS IMPROVED WITH LANDSCAPING AND/OR SOME FORM OF EROSION PROTECTION, THIS REQUIREMENT DOES NOT APPLY.

## CAUTION:

ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN	
CONTRACTOR	TLC PLANNING	DATE	5/13/2020	NO.	1	DATE	5/13/2020	NO.	1	DATE	5/13/2020
INSPECTOR	BY: [Signature]	DATE	5/13/2020	NO.	1	DATE	5/13/2020	NO.	1	DATE	5/13/2020
VERIFICATION	BY: [Signature]	DATE	5/13/2020	NO.	1	DATE	5/13/2020	NO.	1	DATE	5/13/2020
CORRECTION	BY: [Signature]	DATE	5/13/2020	NO.	1	DATE	5/13/2020	NO.	1	DATE	5/13/2020
MICRO-FILM	NO.	DATE		NO.		DATE		NO.		DATE	

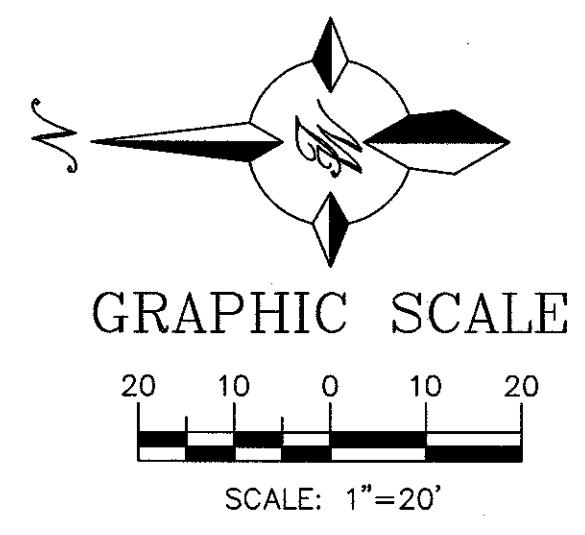
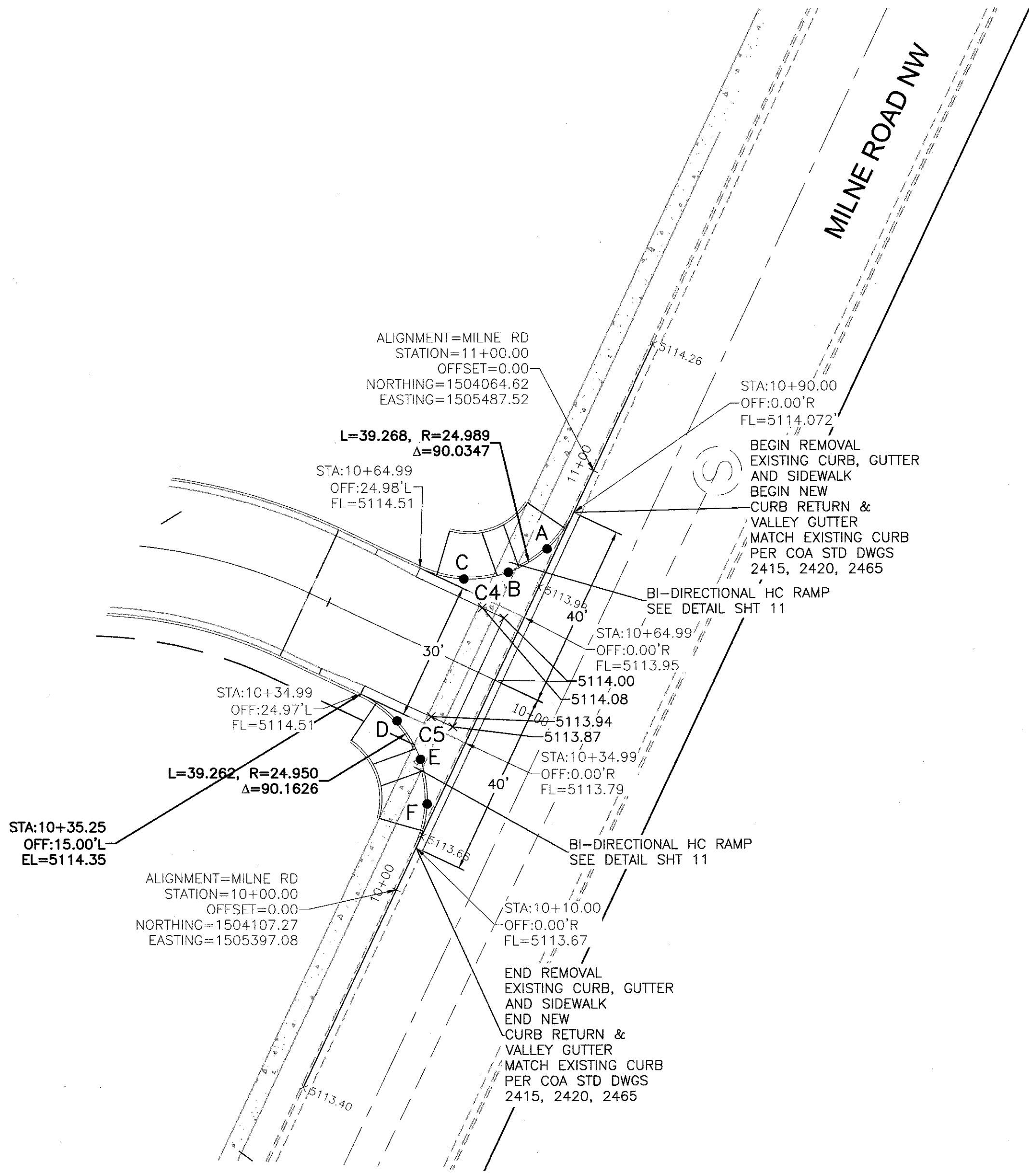
**TIERRA WEST, LLC**  
5571 MIDWAY PARK PLACE NE  
ALBUQUERQUE, NEW MEXICO 87109  
(505) 858-3100  
www.tierrawestllc.com

CITY OF ALBUQUERQUE  
PUBLIC WORKS DIVISION  
ENGINEERING GROUP

**COORS VILLAGE**  
PAVING IMPROVEMENTS  
WESTERN TRAIL - STA: 10+00 TO 16+14.17

DESIGN REVIEW COMMITTEE  
AUG 27 2019  
CITY ENGINEER

CITY PROJECT NO. 550982  
ZONE MAP NO. F-11-Z  
SHEET # 4R of 30



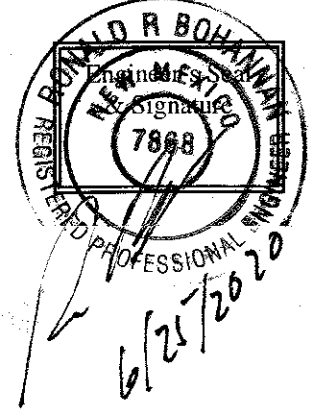
QUARTER POINTS

	FL	ELEV.
C4	A	5114.18
	B	5114.29
	C	5114.40

	FL	ELEV.
C5	D	5114.30
	E	5114.09
	F	5113.88

**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 Planning Department and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings.



AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		DATE	
CONTRACTOR T.C. FLORES	STANDARD A.G.R.S. MONUMENT "MIL 446" NGA	DATE	BY	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
INSPECTOR'S STATIONED BY T.C. FLORES	NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE - NAD 83)												
FIELD VERIFICATION BY T.C. FLORES	N=1507370.768												
CORRECTED BY T.C. FLORES	E=1506886.591												
MICRO-FILM INFORMATION	PUBLISHED EL=5061.638 (NAD 1983)												
RECORDED BY	GROUND TO GRID FACTOR=0.999682224												
DATE	DELTA ALPHA ANGLE=-0°15'25.59"												
NO.													

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

CITY OF ALBUQUERQUE  
PUBLIC WORKS DIVISION  
ENGINEERING GROUP

**COORS VILLAGE**

**MILNE RD. ENTRANCE IMPROVEMENTS (TO PRIVATE ROAD)**

DESIGN REVIEW COMMITTEE  
APPROVED  
MAY 06 2019  
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL  
APPROVED  
MAY 22 2019  
CITY ENGINEER

LAST DESIGN UPDATE

MO./DAY/YR.

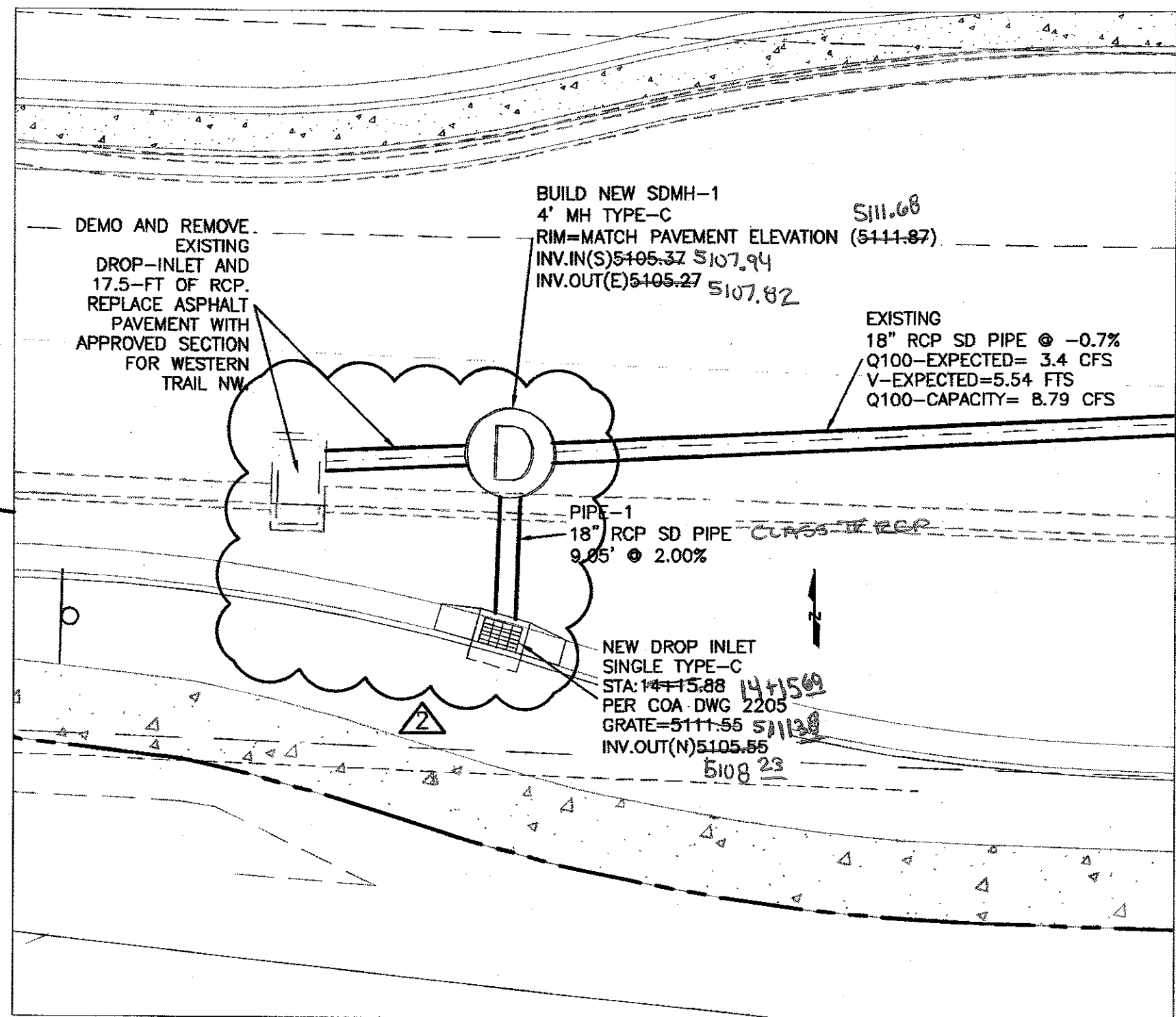
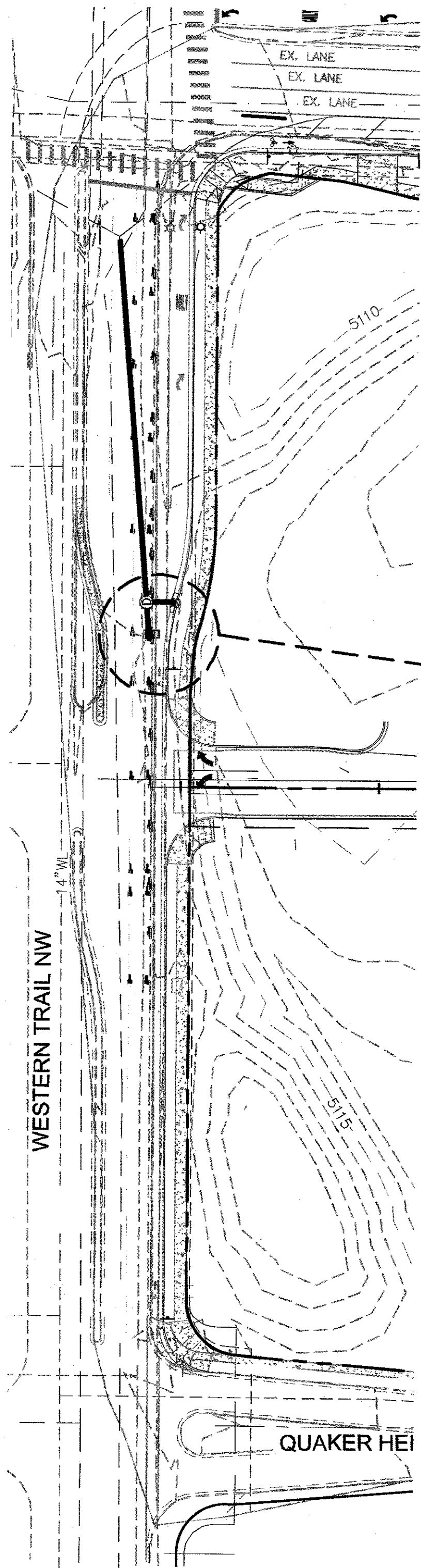
MO./DAY/YR.

CITY PROJECT NO. 550982

ZONE MAP NO. F-11-Z

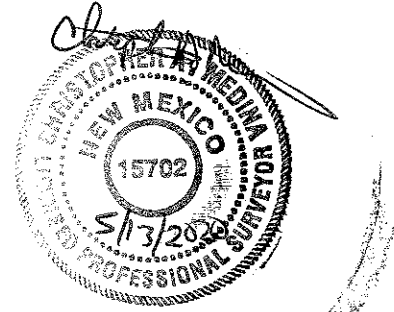
SHEET # 6 of 30





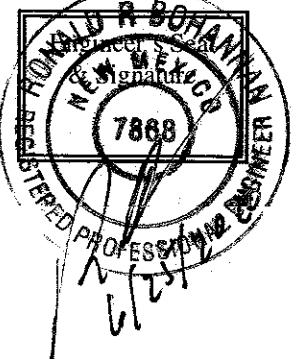
WESTERN TRAIL STORM SEWER (PUBLIC)  
NTS

CHRISTOPHER A. MEDINA, N.M.P.L.S. NO. 15702, DO HEREBY  
CERTIFY THAT THE AS-BUILT INFORMATION SHOWN AND  
THE ACTUAL SURVEY WHICH IT WAS DERIVED FROM WAS  
PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION  
AND THAT THE INFORMATION SHOWN IS TRUE AND  
CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.  
5/13/2020 DATE  
CHRISTOPHER A. MEDINA, N.M.P.L.S. NO. 15702



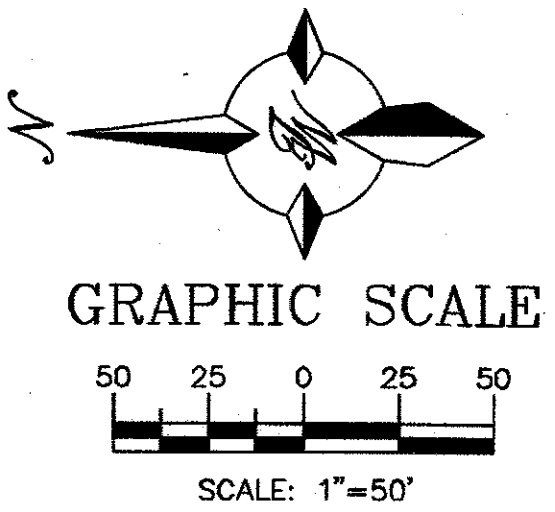
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

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 Planning Department and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings.

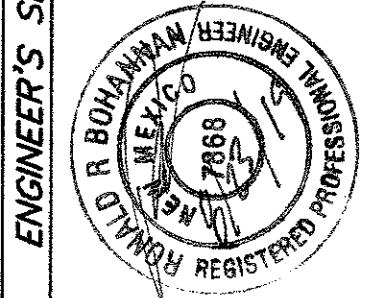


LEGEND

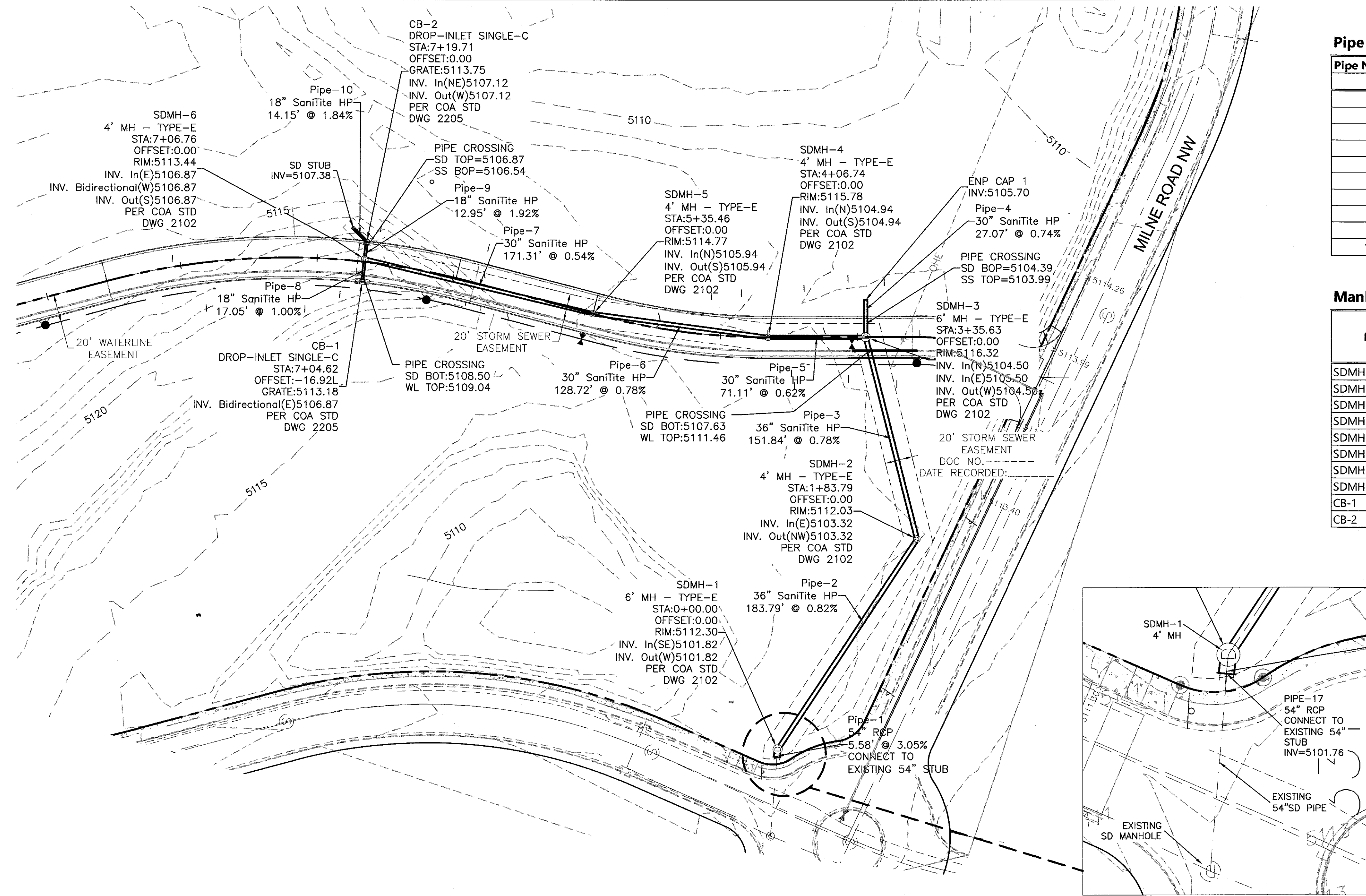
- CURB & GUTTER
- CENTERLINE
- BOUNDARY LINE
- EASEMENT
- PROPOSED SIDEWALK
- PROPOSED CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED SPOT ELEVATION
- FLOW ARROW
- EXISTING CURB & GUTTER
- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- EXISTING SPOT ELEVATION



<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 DIVISION ENGINEERING GROUP	
COORS VILLAGE	
STORM SEWER IMPROVEMENTS, WESTERN TRAIL	
DESIGN REVIEW COMMITTEE AUG 27 2019 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL AUG 27 2019 CITY ENGINEER
CITY PROJECT NO. 550982	ZONE MAP NO. F-11-Z
SHEET # 7R of 30	



SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	BY	FIELD NOTES	CONTRACTOR T.L.C. PLUMBING	WORK STAKED BY TERRA WEST LLC
					STANDARD A.G.S. BRASS TABLET
					NEW MEXICO STATE PLANE COORDINATES
					(CENTRAL ZONE - NAD 83)
					N=1507370.788
					E=1506886.591
					PUBLISHED EL=5061.638 (NAVD 1988)
					GROUND TO GRID FACTOR=0.99982224
					DELTA ALPHA ANGLE=0.152558"
					RECORDED BY
					DATE
					NO.

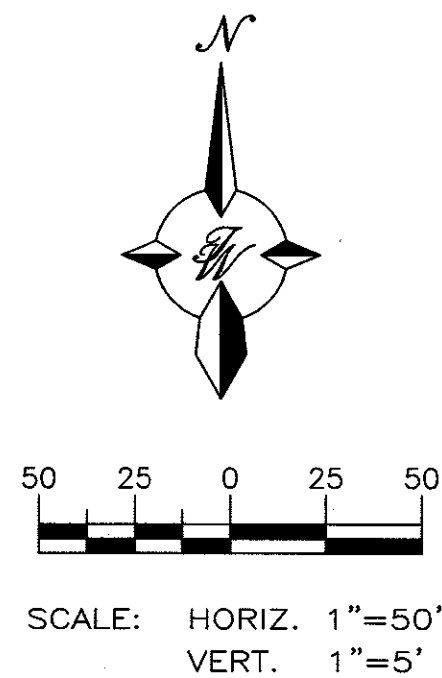
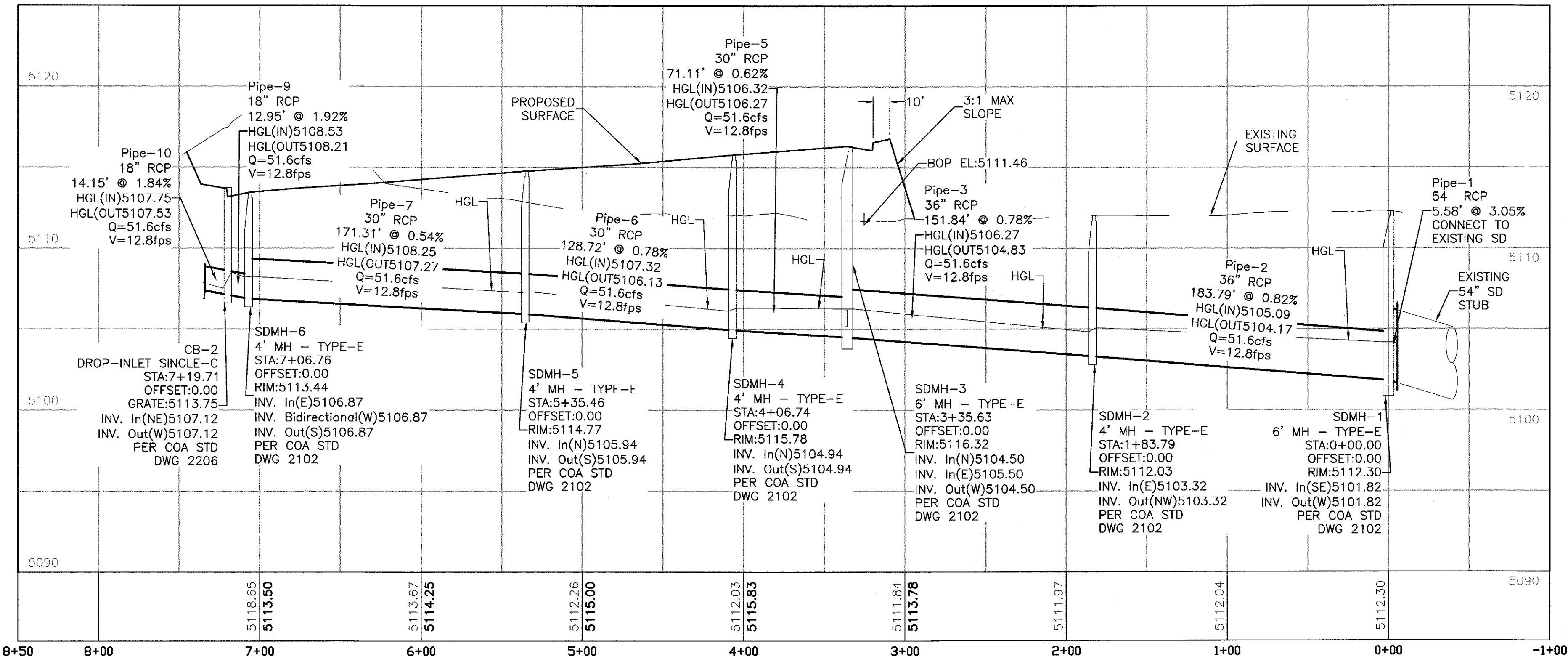


Pipe Capacity

Pipe Number	D (in)	Slope (%)	Area (ft^2)	R	Q Provided (cfs)	Q Required (cfs)	Velocity (ft/s)	Invert Start (ft)	Invert Stop (ft)	HGL In (ft)	HGL Out (ft)
1	54	0.3	15.9	1.125	108.0	55.7	3.5	5101.82	5101.65	5104.17	5104.05
2	36	0.71	7.1	0.75	56.4	55.7	7.9	5103.32	5101.82	5105.09	5104.17
3	36	0.71	7.1	0.75	56.4	55.7	7.9	5104.50	5103.32	5106.27	5104.83
4	30	0.74	4.9	0.625	35.4	26.7	5.4	5105.70	5104.50	5106.91	5106.27
5	30	0.62	4.9	0.625	32.4	16.5	3.4	5104.94	5104.50	5106.32	5106.27
6	30	0.7	4.9	0.625	34.4	16.5	3.4	5105.94	5104.94	5107.32	5106.13
7	30	0.43	4.9	0.625	27.0	16.5	3.4	5106.87	5105.94	5108.25	5107.27
8	18	1	1.8	0.375	10.5	3.2	1.8	5107.50	5106.87	5108.21	5108.25
9	18	1.92	1.8	0.375	14.6	13.4	7.6	5107.12	5106.87	5108.53	5108.21
10	8	1.13	0.3	0.16667	1.3	13.4	38.3	5107.38	5107.12	5108.75	5108.53

Manhole / Inlet

ID	Elevation (Rim) (ft)	Hydraulic Grade Line (In) (ft)	Hydraulic Grade Line (Out) (ft)	Elevation Invert (ft)	Flow (Total Out) (cfs)
SDMH-1	5112.13	5104.17	5104.17	5101.82	54.70
SDMH-2	5114.76	5105.09	5105.09	5103.32	29.70
SDMH-3	5116.49	5106.27	5106.27	5104.50	29.70
SDMH-4	5115.85	5106.32	5106.32	5104.94	16.70
SDMH-5	5114.74	5107.32	5107.32	5105.94	16.70
SDMH-6	5113.50	5108.25	5108.25	5106.87	16.70
SDMH-22	5109.95	5104.05	5104.05	5101.65	54.70
SDMH-20	5109.80	5105.50	5105.50	5101.45	88.60
CB-1	5113.18	5108.21	5108.21	5107.50	1.60
CB-2	5113.75	5108.53	5108.53	5107.12	15.10

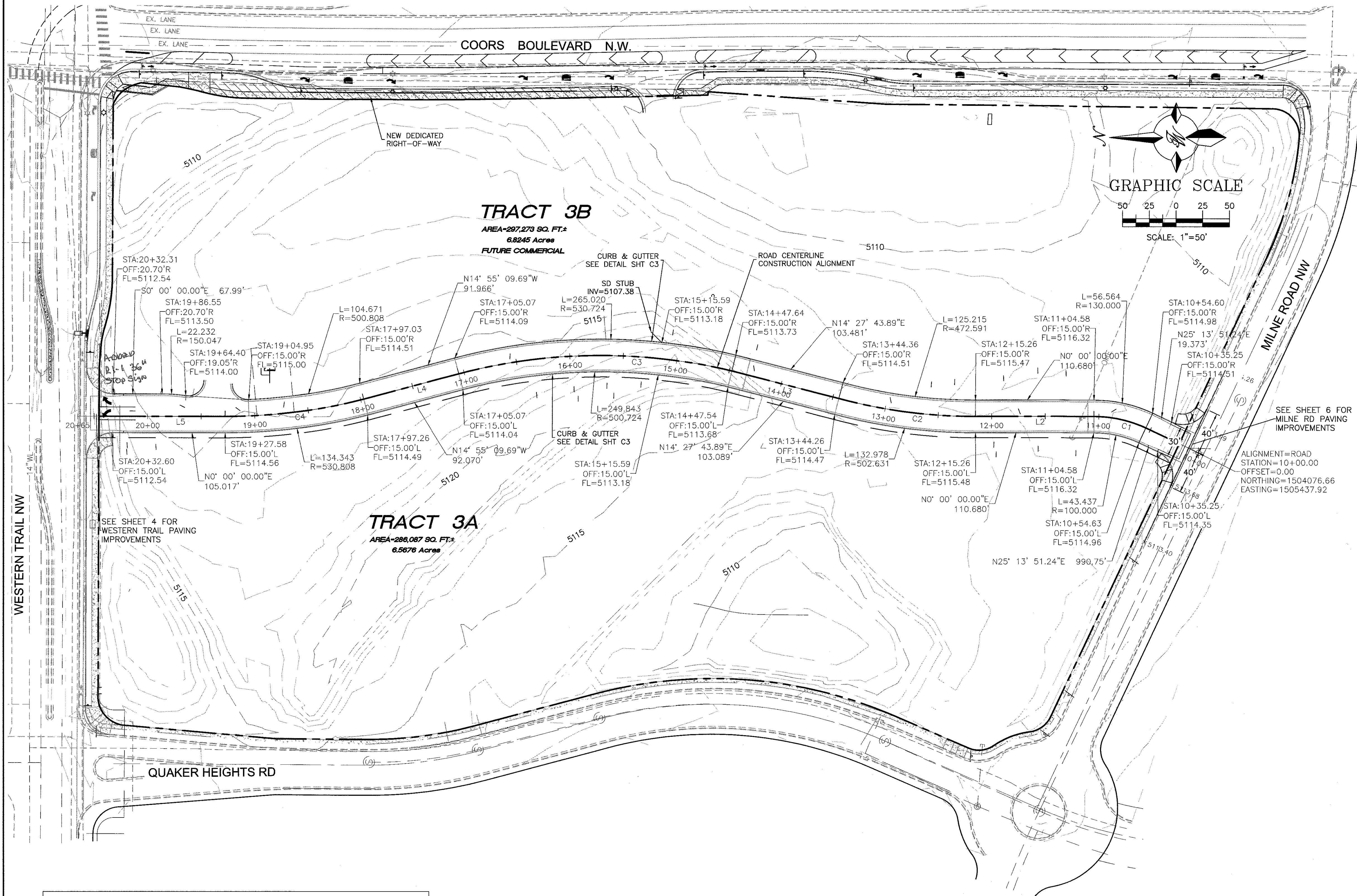


FOR REFERENCE ONLY

DESIGN REVIEW COMMITTEE APPROVED MAY 06 2019 DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL APPROVED MAY 22 2019 CITY ENGINEER		LAST DESIGN UPDATE	
CITY PROJECT NO. 550982		ZONE MAP NO. F-11-Z		SHEET # 8 of 30	



Z:\2017\20170707 Coors and Western Trail NW.dwg Construction\20170707-Road & Storm Sewer Construction.dwg Apr 10, 2019 - 1:53pm

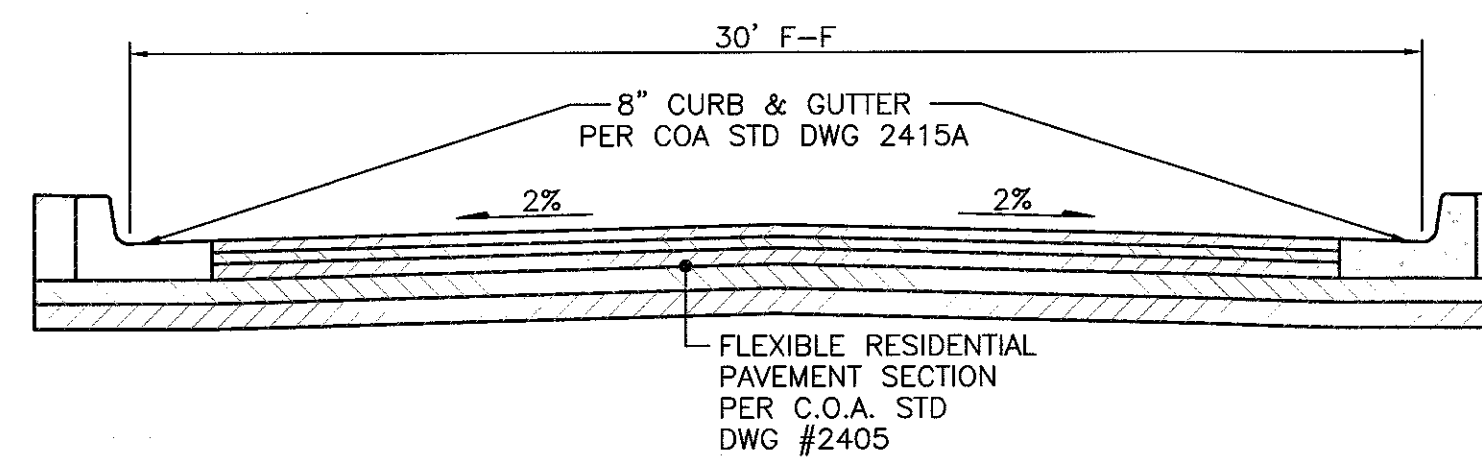


**NOTES:**  
1. SPOT ELEVATIONS ARE AT FLOWLINE UNLESS OTHERWISE NOTED.

LEGEND	
	CURB & GUTTER
	CENTERLINE
	BOUNDARY LINE
	EASEMENT
	PROPOSED SIDEWALK
	PROPOSED CONTOUR
	PROPOSED INDEX CONTOUR
	PROPOSED SPOT ELEVATION
	FLOW ARROW
	EXISTING CURB & GUTTER
	EXISTING CONTOUR
	EXISTING INDEX CONTOUR
	EXISTING SPOT ELEVATION

Line Table: Alignments				
Line #	Length	Direction	Start Point	End Point
L2	110.68	N0° 00' 00.00"E	(1505471.89,1504174.47)	(1505471.89,1504285.15)
L3	103.28	N14° 27' 43.89"E	(1505488.92,1504412.74)	(1505514.72,1504512.75)
L4	92.02	N14° 55' 09.69"W	(1505512.01,1504767.50)	(1505488.32,1504856.42)
L5	137.88	N0° 00' 00.00"E	(1505471.89,1504985.52)	(1505471.89,1505123.40)

Curve Table: Alignments					
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	115.00	50.00	N12° 27' 19.09"E	(1505461.19,1504126.03)	(1505471.89,1504174.47)
C2	487.61	129.10	N7° 36' 18.38"E	(1505471.89,1504285.15)	(1505488.92,1504412.74)
C3	515.72	257.43	N0° 36' 31.83"W	(1505514.72,1504512.75)	(1505512.01,1504767.50)
C4	515.81	130.49	N7° 15' 12.16"W	(1505488.32,1504856.42)	(1505471.89,1504985.52)



TYPICAL ROAD SECTION (PRIVATE)  
NTS

FOR REFERENCE ONLY

<b>TIERRA WEST, LLC</b> 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrowestllc.com	
CITY OF ALBUQUERQUE PUBLIC WORKS DIVISION ENGINEERING GROUP	
COORS VILLAGE PRIVATE ROAD PAVING IMPROVEMENTS	
DESIGN REVIEW COMMITTEE APPROVED MAY 06 2019 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVED MAY 22 2019 CITY ENGINEER
DESIGNED BY RS DRAWN BY PM DRAWING NAME CHECKED BY RRB	REVISIONS DESIGN DATE MAR, 2019 DATE MAR, 2019 JOB NO. 2017017 DATE MAR, 2019
CITY PROJECT NO. 550982	ZONE MAP NO. F-11-Z
SHEET # 11 of 30	