

CONSTRUCTION PLANS  
FOR  
DURANGO UNIT 3 & 4  
ALBUQUERQUE, NEW MEXICO

APPROVED RECORD DRAWINGS	
City Inspector	Tim Sims
Contractor	Salls Brothers
Construction Engineer	David Bishop
Date	10/28/2021

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## UTILITY PLANS

SHEET NUMBER	DESCRIPTION
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16	COAL BANK STREET-MOLAS ROAD
17	RED MOUNTAIN ROAD
18	MANCOS ST.
19 19R	WEMINUCHE
20	WEMINUCHE
21 21R	HILLERMAN ST. - STRATER ST.
22	WOODMONT AVE
23	WOODMONT AVE
24	WOODMONT AVE

**STATEMENT CERTIFICATION:**

**I JOHN P. GIERSCHE, PE, of JPC ENGINEERING, LLC,** do hereby certify to the best of my knowledge and belief, that the infrastructure designed by: **BHL (Engineer of Record),** with observation services performed by: **SPINELLO-DGS, LLC,** (Part-time), was constructed in accordance with the plans and specifications approved by the CITY OF ALBUQUERQUE and that the original design intent of the approved plans has been met, except as noted on the Record Drawings. All warranties, guarantees and quality of work are the responsibility of the Contractor of record and their subcontractors. This Certification is based on the inspections conducted and the As-Built Survey performed by: **Brian J. Martinez LS # 18374.**



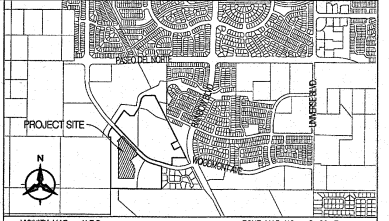
CERTIFYING ENGINEER  
JPG ENGINEERING  
(SUB-CONSULTANT TO SPINELLO-DCS, LLC)  
JOHN P. GIERSCHE, PE  
NM PE # 14063

**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' 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, INC. IS NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING, OR INTENT OF THE RECORD DRAWINGS.



## RECORD DRAWING



## NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
2. ANY WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985 EDITION AS REVISED THROUGH UPDATE NO. 6.
3. TWO WORKING DAYS AFTER ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT NEW MEXICO ONE CALL SYSTEM (204-260-1990) FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXAMINE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. (IVE) (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT, TO THE CONSTRUCTION COORDINATION DIVISION, A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS AFTER THE SUBMISSION, THE CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE CIVIL ENGINEERING DIVISION. CONTRACTOR SHALL NOT DISTURB OR CONSTRUCTION COORDINATION ENGINEER (768-2535) PRIOR TO COMPLETING AN INTERSECTION, REFER TO SECTION 10.9 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. ANY WORK AFFECTING AIRWAY ROADWAY MAY REQUIRE TWENTY-FOUR HOUR CONSTRUCTION.
7. ALL STREET JAMPING ALIGNED OR DESTROYED SHALL BE REPLACED BY PLASTIC REFLECTORIZED PATTERN MARKING BY CONTRACTOR TO THE SAME LOCATION AND ORIENTATION, AS INDICATED BY THIS PLAN SET.
8. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO DISCONTINUE OR LIMITATION OF SURVEY MEASUREMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE ENGINEER AND CITY SURVEYOR IMMEDIATELY IN WRITING IF ANY MONUMENT IS DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PARAPET OF ANY ROADWAY AND/OR ANY OTHER SURVEY MONUMENT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER, EXPENSE, ADVISE THE MONUMENT WORK TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.04 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
9. CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
10. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
11. CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF ANY WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE WORK REQUIRED FOR THE PROJECT. CONTRACTOR SHALL PROTECT LINES OR FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CUES MAY BE USED TO CREATE PUBLIC WATER OR SANITARY SEWER WORK ZONE. AT [http://www.bmcwa.com/water\\_suit\\_out\\_and\\_turn\\_on\\_guidelines.aspx](http://www.bmcwa.com/water_suit_out_and_turn_on_guidelines.aspx)

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES & UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
  - ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
  - ☒ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
  - ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
  - ☒ IF CURB IS DEPRESSURED FOR A DRIVEPAV, THE DRIVEPAV SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND CUTTER.
  - ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL DAMAGE CAUSED OR OTHERWISE DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.
2. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL EXCAVATE AND VERIFY THE EXISTENCE AND EXACT LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR CONSTRUCTION OBSERVER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
3. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES ARE TO BE IDENTIFIED AND MARKED PRIOR TO CONSTRUCTION. ANY THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL SUCH RELOCATIONS. ANY ADJUSTMENTS TO THE CONSTRUCTION SCHEDULE WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO REZONE/LINE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
4. DISPOSAL SITE FOR ANY EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CONSTRUCTION OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAVE REJECTED SOIL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
5. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
6. CONSTRUCTION ACTIVITY SHALL BE ADJACENT TO THE PROPERTY AND/OR PROPERTY LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.
7. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRUCK LINES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
8. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (E.G. BARRICADE, SURFACE DISPLACEMENT).
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AT HIS EXPENSE ANY PROPERTY DAMAGE TO ANY ADJACENT PROPERTY DURING THE PROJECT. ALL PROPERTY CONFINERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
10. ALL PERMANENT PARKING MARKING AND TRAFFIC SIGNING SHALL BE FURNISHED BY THE CONTRACTOR PER PLAN.

11. THE CONTRACTOR SHALL FOLLOW THE CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN PROVIDED HEREIN. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO INITIATING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
12. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
13. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
14. ALL SAWDUST PAVEMENT SHALL HAVE A UNIFORM EDGE AND BE SPRAYED WITH TACK.
15. WHEN ABUTTING NEW CURB AND GUTTER TO EXISTING PAVEMENT, A 1' WIDE SECTION OF EXISTING PAVEMENT ADJACENT TO THE CURB AND GUTTER SHALL BE SAWCUT, REMOVED, AND REPLACED AS PER THE STANDARD SPECIFICATIONS.
16. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURBS & GUTTER, DRIVE PADS, WHEELCHAIR RAMP, AND SIDEWALK DURING CONSTRUCTION, APART FROM THE DAMAGE CAUSED BY THE CONTRACTOR'S OWN EQUIPMENT. THE CONTRACTOR SHALL REPAIR OR REPLACE PER CO STANDARDS, AT HIS OWN EXPENSE.

17. FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.
18. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
19. ALL ROADWAY FILLS SHALL BE IN ACCORDANCE WITH COA SPECIFICATION SECTION 204. COMPACTION TEST RESULTS SHALL BE PROVIDED TO THE CITY INSPECTOR PRIOR TO PROJECT CLOSEOUT FOR ALL ROADWAY FILL DEPTHS GREATER THAN TWO FEET.

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SUBMITTED BY THE CONTRACTOR							
REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
<b>ENGINEERS STAMP &amp; SIGNATURE</b>			<b>APPROVALS</b>	<b>ENGINEER</b>	<b>DATE</b>	<b>*****</b>	
 <i>(Signature)</i>			DRC Chairman	<i>Masoudi</i>	12/17/07		
			Transportation	<i>Z</i>	11/23/15		
			Water/Wastewater	<i>Bor Gazi</i>	12/16/09		
			Hydrology	<i>A. Kato</i>	12/19/14		
			Parks				
			Const. Coord.				
DDB CASE NUMBER <b>PR-2018-001996</b>			CITY PROJECT NO. <b>800885</b>		SHEET <b>1</b> OF <b>25</b>		

GENERAL NOTES

- 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".
- 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.
- 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.
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- 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.
- 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 (202-1090) 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.
- 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.
- 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.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND MAINTAIN ALL CONSTRUCTION SIKING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY AND OTHER JURISDICTIONAL AUTHORITIES WHERE APPLICABLE.
- 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.
- REMOVALS SHALL BE DISPOSED OF OFF-SITE AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

WATER & SEWER

- 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.
- MANHOLE RIMS, FIRE HYDRANT ELEVATIONS, AND FLANGE ELEVATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT OR SURFACE GRADES.
- 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://ABQWA.ORG/WATER\\_SHUT\\_OFF\\_AND\\_TURN\\_ON\\_PROCEURES.ASPX](http://abqwa.org/water_shut_off_and_turn_on_procedures.aspx)
- PROPOSED WATERLINE MATERIALS SHALL BE PVC PIPE MEETING AWWA C-900: DR15 REQUIREMENTS (6" - 12") OR DUCTILE IRON PIPE MEETING AWWA C-150 REQUIREMENTS (6" - 48").
- 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.
- 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.
- 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.
- 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.
- TRACER WIRE SHALL BE INCLUDED FOR ALL PUBLIC WATER AND SEWER MAINS AND FOR WATER SERVICES IN ACCORDANCE WITH WATER AUTHORITY DETAILS.
- CONTRACTOR SHALL PROVIDE THE PROPOSED HYDRO TESTING PLANS TO THE NWA INSPECTORS FOR APPROVAL PRIOR TO BEGINNING TESTING OPERATIONS.
- 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.
- 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.ABQWA.ORG/WATER\\_SHUT\\_OFF\\_AND\\_TURN\\_ON\\_PROCEURES.ASPX](http://www.abqwa.org/water_shut_off_and_turn_on_procedures.aspx)
- ALL STANDARD DETAIL REFERENCES REGARDING WATER AND SANITARY SEWER INFRASTRUCTURE CAN BE FOUND AT [http://www.abqwa.org/for\\_Builders.aspx](http://www.abqwa.org/for_Builders.aspx)

TRANSPORTATION

- 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.
- REMOVAL OF EXISTING CURB & GUTTER AND SIDEWALKS SHALL BE TO THE NEAREST JOINT.
- 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.

- 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.
  - THE SUBGRADE PREP SHALL EXTEND ONE FOOT BEYOND THE FREE EDGE OF NEW CURB AND GUTTER AND SIDEWALK.
  - 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.
  - AT ALL PAVEMENT REMOVAL AND REPLACEMENTS, SAW-OUT 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 SPOILOVER 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.
  - 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 OUT 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
- ALL STORM DRAINS SHALL BE RCP CLASS III UNLESS OTHERWISE NOTED ON THE PLANS.
  - 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 GROUDED UNLESS DIRECTED BY THE ENGINEER AND WITH CITY APPROVAL.

OTHER COMMON NOTES


- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE ACCOMPLISHED IN ACCORDANCE WITH OSHA 29CFR 1926.650 SUBPART F.
- WHEN DISTURBING MORE THAN ¼ ACRES, CONTRACTOR SHALL SECURE A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING CONSTRUCTION.
- 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.
- PWM WILL PROVIDE AT NO COST TO THE CITY OR THE CONTRACTOR THE REQUIRED PERSONNEL FOR INSPECTION OR OBSERVATION DEEMED NECESSARY BY PWM WHILE THE CONTRACTOR IS EXPOSING PWM'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.
- 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.
- 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.

- 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.
- CONTRACTOR SHALL CONDUCT ALL WORK IN A MANNER WHICH WILL MINIMIZE INTERFERENCE WITH LOCAL TRAFFIC.
- ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
- 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.
- 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.

- WORK AFFECTING ARTERIAL ROADWAYS MAY REQUIRE TWENTY-FOUR-HOUR CONSTRUCTION.
- 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 505-206-6151, AND E-MAIL DOGGOFF@CABO.GOV.
- STREET NAME SIGNS, REGULATORY SIGNAGE, AND ANY NECESSARY STRIPING ON PRIVATE STREETS ARE THE DEVELOPER'S RESPONSIBILITY.
- 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 DMO, CONSTRUCTION COORDINATION DIVISION, A DETAILED CONSTRUCTION SCHEDULE.
- FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE DMO, 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.

**Bohannon & Huston**  
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 <b>CITY OF ALBUQUERQUE</b> DEPARTMENT OF <b>MUNICIPAL DEVELOPMENT</b>		<b>DURANGO UNIT 3 &amp; 4</b> GENERAL NOTES	
DESIGN REVIEW COMMITTEE EEC 17 2019 REVIEW COMMITTEE	CITY ENGINEER JUNE 02 2020	NO. DATE 1 11/17/19 2 11/17/19 3 11/17/19 4 11/17/19 5 11/17/19 6 11/17/19 7 11/17/19 8 11/17/19 9 11/17/19 10 11/17/19	NO. DATE 1 11/17/19 2 11/17/19 3 11/17/19 4 11/17/19 5 11/17/19 6 11/17/19 7 11/17/19 8 11/17/19 9 11/17/19 10 11/17/19
CITY PROJECT NO. 800885		ZONE MAP NO. C-09	SHEET 2 OF 25

PRELIMINARY PLAT FOR  
DURANGO UNITS 3A & 3B  
UNIT 3A LOTS 1-22, UNIT 3B LOTS 1-13 & TRACT A  
CITY OF ALBUQUERQUE  
BERNILLO COUNTY, NEW MEXICO  
PROJECTED SECTION 16, T 11 N, R 2 E, NMPM  
TOWN OF ALAMEDA GRANT  
JANUARY 2019

LEGAL DESCRIPTION

Tract H, Durango Unit 1, City of Albuquerque, Bernalillo County, New Mexico, as the same is shown and designated on the plat entitled "SUBDIVISION PLAT OF DURANGO UNIT 1 WITHIN THE TOWN OF ALAMEDA GRANT IN PROJECTED SECTION 16, TOWNSHIP 11 NORTH, RANGE 2 EAST NEW MEXICO PRINCIPAL MERIDIAN, CITY OF ALBUQUERQUE, BERNILLO COUNTY, NEW MEXICO," and in the office of the County Clerk of Bernalillo County, New Mexico, on February 12, 2016, in Plat Book 2016C, Page 0012, as Document No. 20160533A.

GENERAL NOTES

- EXISTING ZONING: R-1-B, GREATER THAN 200' FROM NATIONAL MONUMENT (UNIT 3)  
R-1-B, 200' OR LESS FROM NATIONAL MONUMENT
- PROPOSED ZONING: R-1-B, GREATER THAN 200' FROM NATIONAL MONUMENT (UNIT 3)  
R-1-B, 200' OR LESS FROM NATIONAL MONUMENT
- TOTAL ACRES: 18.83 AC  
UNIT 3A ACRES: 4.57 AC  
NUMBER OF LOTS: 22  
4.61 DU/AC  
UNIT 3B ACRES: 2.47 AC  
NUMBER OF LOTS: 13  
5.26 DU/AC
- UNIT 3A LOT DIMENSIONS: 37' x 135' 50' x 105'  
UNIT 3A LOT AREA: 5,000 SQFT  
UNIT 3B LOT DIMENSIONS: 37' x 135' 50' x 105'  
UNIT 3B LOT AREA: 5,000 SQFT
- SEWER AND WATER ARE PUBLIC TO BE OWNED AND MAINTAINED BY THE ALBUQUERQUE BERNILLO COUNTY WATER UTILITY AUTHORITY. STREET AND STORM DRAIN IMPROVEMENTS ARE PUBLIC TO BE OWNED AND MAINTAINED BY THE CITY OF ALBUQUERQUE.
- LOT SETBACKS SHALL CONFORM TO THE VOLCANO TRAILS SECTOR DEVELOPMENT PLAN.
- TRACT A TO BE SUBDIVIDED AS PART OF DURANGO UNITS 4 AND 5.

SITE DATA

ZONE ATRUS NO.	C-00-2
ZONING	R-1-B & R-1-D
MILES OF FULL WIDTH STREETS CREATED	0.26 MILES
NO. OF EXISTING TRACTS	1
NO. OF LOTS CREATED	35
NO. OF NON TRACTS CREATED	0
NO. OF REMAINDER TRACTS CREATED	1
TOTAL GROSS SUBDIVISION AREA	18.83 ACRES

SURVEY NOTES:

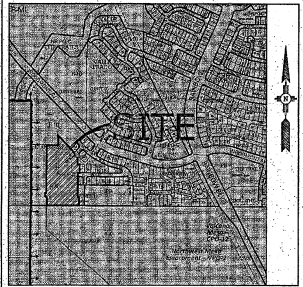
- ALL BOUNDARY CORNERS SHOWN (●) ARE FOUND REBAR IN CAP.
- ALL STREET CENTERLINE MONUMENTATION SHALL BE INSTALLED AT ALL CENTERLINE PCS, PTS, ANGLE POINTS, AND STREET INTERSECTIONS AND SHOWN PLUS (▲) AND WILL BE MARKED BY (C) ALUMINUM CAP STAINED TOTY OF ALBUQUERQUE CENTERLINE MONUMENTATION MARKED, DO NOT DISTURB PLUS SIGN.
- THE SUBDIVISION BOUNDARY WILL BE TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM AS SHOWN.
- BASES OF BEARINGS WILL BE NEW MEXICO STATE PLANE BEARINGS.
- DISTANCES SHALL BE GROUND DISTANCES.
- DRAWINGS WILL BE OFFSET AT ALL POINTS OF CURVATURE, TANGENT STREET INTERSECTIONS, AND ALL OTHER ANGLE POINTS TO ALLOW USE OF CENTERLINE MONUMENTATION.
- SHOWS ALL EASEMENTS OF RECORD.

APPROVED

*Scott A. Richardson, P.S.* 1/16/19  
CITY SURVEYOR DATE

*Andrew M. Kaplan* 1/13/19  
DATE

PV TRAILS ALBUQUERQUE, LLC  
ITS MANAGER  
PV GENERAL PARTNER, LLC  
ANDREW M. KAPLAN, MANAGER



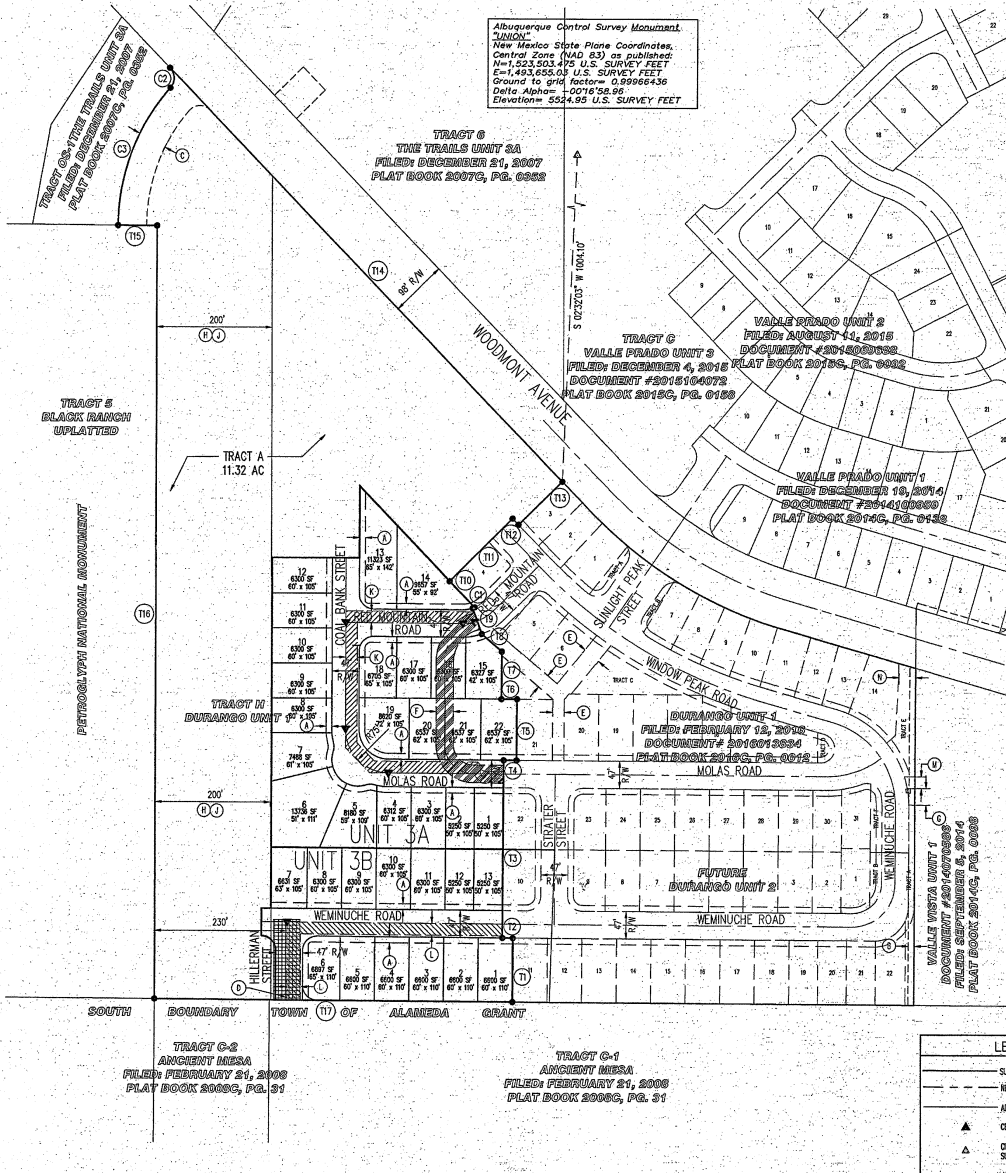
NOT TO SCALE VICINITY MAP ZONE ATLAS C-00-2

KEYED NOTES

- 10' PUBLIC UTILITY EASEMENT, GRANTED BY PLAT.
- EXISTING 10' PUBLIC UTILITY EASEMENT, FILED JUNE 8, 2009 AS DOCUMENT NO. 200903399.
- EXISTING 50' PUBLIC ROADWAY AND DRAINAGE EASEMENT GRANTED TO THE CITY OF ALBUQUERQUE AND 60' PUBLIC WATER AND SANITARY SEWER EASEMENT GRANTED TO INMAY BY PLAT, FILED DECEMBER 21, 2007, IN PLAT BOOK 2007C, PAGE 302.
- EXISTING ROADWAY EASEMENT, CENTERLINE OF 40' PUBLIC ROADWAY EASEMENT, RESERVED BY THE BULK LAND PLAT OF THE TRAILS UNIT 3A, RECORDED ON DECEMBER 21, 2007 AS DOCUMENT #200707107, IN PLAT BOOK 2007C, PAGE 302, TO BE VACATED BY PLAT.
- EXCEPT FOR THE LOCATION OF THIS EASEMENT AS IT RELATES TO THE SOUTH BOUNDARY OF TRACT 7, THE FINAL ALIGNMENT OF THIS EASEMENT WITHIN TRACT 7 AND CONNECTION OF THIS EASEMENT TO WOODMONT AVENUE WILL BE DETERMINED AT THE TIME OF PLATING TRACT 7, AS NOTED ON BULK LAND PLAT OF THE TRAILS UNIT 3A.
- EXISTING PUBLIC STORM SEWER EASEMENT GRANTED TO THE CITY OF ALBUQUERQUE BY THE DURANGO UNIT 1 PLAT, RECORDED ON FEBRUARY 12, 2016 AS DOCUMENT #201601383A, IN PLAT BOOK 2016C, PAGE 0012.
- EXISTING 30' TEMPORARY PUBLIC ROADWAY EASEMENT GRANTED TO THE CITY OF ALBUQUERQUE BY THE DURANGO UNIT 1 PLAT, RECORDED ON FEBRUARY 12, 2016 AS DOCUMENT #201601383A, IN PLAT BOOK 2016C, PAGE 0012 TO BE VACATED BY PLAT.
- EXISTING PUBLIC SANITARY SEWER AND WATER EASEMENT GRANTED TO THE ABOVIA BY THE DURANGO UNIT 1 PLAT, RECORDED ON FEBRUARY 12, 2016 AS DOCUMENT #201601383A, IN PLAT BOOK 2016C, PAGE 0012.
- LOTS WITHIN 200 FEET OF THE PETROSILPH NATIONAL MONUMENT SHALL BE A MINIMUM OF 10,000 SQUARE FEET.
- LOTS MORE THAN 200 FEET FROM THE PETROSILPH NATIONAL MONUMENT SHALL BE A MINIMUM OF 5,000 SQUARE FEET.
- 20' WATERLINE EASEMENT GRANTED TO THE ABOVIA BY THE DURANGO UNIT 1 PLAT, RECORDED ON FEBRUARY 12, 2016 AS DOCUMENT #201601383A, IN PLAT BOOK 2016C, PAGE 0012, TO BE VACATED BY PLAT.
- 20' WATERLINE EASEMENT GRANTED TO THE ABOVIA WITH DURANGO UNIT 2 PLAT TO BE VACATED BY PLAT.
- EXISTING 20' PUBLIC WATER EASEMENT GRANTED TO THE ABOVIA BY THE DURANGO UNIT 1 PLAT, RECORDED ON FEBRUARY 12, 2016 AS DOCUMENT #201601383A, IN PLAT BOOK 2016C, PAGE 0012.
- EXISTING BLANKET PUBLIC DRAINAGE EASEMENT GRANTED TO THE CITY OF ALBUQUERQUE BY THE DURANGO UNIT 1 PLAT, RECORDED ON FEBRUARY 12, 2016 AS DOCUMENT #201601383A, IN PLAT BOOK 2016C, PAGE 0012.

BOUNDARY TANGENT TABLE			BOUNDARY CURVE TABLE				
ID	BEARING	LENGTH	ID	ARC	RADIUS	DELTA	TANGENT
10	N00°19'33"E	110.00	C1	3.68°	51.50'	04°04'10"	1.83'
12	N89°40'27"W	18.10	C2	17.81°	22.00'	86°11'28"	23.39'
13	N00°19'33"E	304.00	C3	126.74°	130.33'	41°50'12"	134.41'
14	S89°40'27"W	22.08					
15	N00°19'33"E	110.00					
16	N89°40'27"W	26.81					
17	N00°19'33"E	81.27					
18	N45°21'31"W	45.56					
19	N19°15'45"W	47.00					
20	N44°10'54"W	62.57					
21	N45°49'06"E	152.00					
22	S44°05'41"W	14.67					
23	N45°49'06"E	126.00					
24	N44°10'54"W	98.65					
25	S89°41'41"E	68.00					
26	S00°05'57"W	1320.83					
27	S89°40'27"E	622.42					

Thu, 10-Jun-2019 - 5:45pm, Plotted by: SSTEFFEN  
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LEGEND	
---	SUBDIVISION BOUNDARY LINE
---	NEW LOT LINE
---	ADJOINING PROPERTY LINE
▲	CENTERLINE MONUMENT TO BE INSTALLED
▲	CITY OF ALBUQUERQUE SURVEY CONTROL MONUMENT

# RECORD DRAWING

## PRELIMINARY PLAT FOR DURANGO UNITS 4 & 5 UNIT 4 LOTS 1-20, UNIT 5 LOTS 1-19 & TRACT A CITY OF ALBUQUERQUE BERNILLO COUNTY, NEW MEXICO PROJECTED SECTION 16, T 11 N, R 2 E, NMPM TOWN OF ALAMEDA GRANT JANUARY 2019

### LEGAL DESCRIPTION

Tract A, Durango Unit 3A, City of Albuquerque, Bernalillo County, New Mexico, as the same is shown and designated on the plat entitled "SUBDIVISION PLAT OF DURANGO UNIT 3A, LOTS 1-22 & TRACTS A-D, CITY OF ALBUQUERQUE, BERNILLO COUNTY, NEW MEXICO", filed in the office of the County Clerk of Bernalillo County, New Mexico, on \_\_\_\_\_, in Plat Book \_\_\_\_\_, Page \_\_\_\_\_, 59.

### GENERAL NOTES

- EXISTING ZONING: R-1-B, CREATER THAN 200' FROM NATIONAL MONUMENT (UNIT 4)  
R-1-B, 200' OR LESS FROM NATIONAL MONUMENT (UNIT 5)
- PROPOSED ZONING: R-1-B, CREATER THAN 200' FROM NATIONAL MONUMENT (UNIT 4)  
R-1-B, 200' OR LESS FROM NATIONAL MONUMENT (UNIT 5)
- TOTAL ACRES: 11.32 AC  
UNIT 4 ACRES: 4.12 AC  
NUMBER OF LOTS: 39  
PROPOSED DENSITY: 4.85 DU/AC  
UNIT 5 ACRES: 7.20 AC  
NUMBER OF LOTS: 19  
PROPOSED DENSITY: 2.54 DU/AC
- UNIT 4 LOT DIMENSIONS:  
UNIT 4 LOT AREA: 37' X 125' 10" X 105' 5,200 SQFT  
UNIT 5 LOT DIMENSIONS:  
UNIT 5 LOT AREA: 70' X 145' 75' X 151' 11,023 SQFT
- SEWER AND WATER ARE PUBLIC TO BE OWNED AND MAINTAINED BY THE ALBUQUERQUE BERNILLO COUNTY WATER UTILITY AUTHORITY. STREET AND STORM DRAIN IMPROVEMENTS ARE PUBLIC TO BE OWNED AND MAINTAINED BY THE CITY OF ALBUQUERQUE.
- LOT SUBDIVISIONS SHALL CONFORM TO THE VOLCANO TRAILS SECTOR DEVELOPMENT PLAN.
- NO INDIVIDUAL LOTS SHALL BE ALLOWED DIRECT ACCESS TO WOODMONT AVENUE.
- TRACTS A-C TO BE OWNED AND MAINTAINED BY THE TRAILS COMMUNITY ASSOCIATION, INC.

### SITE DATA

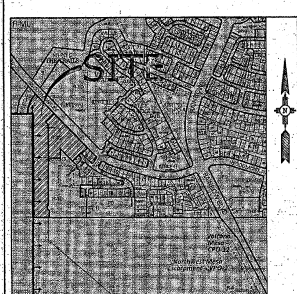
ZONE ALIAS NO.	C-08-2
ZONING	R-1-B & R-1-D
MILES OF FULL WIDTH STREETS CREATED	0.50 MILES
NO. OF EXISTING TRACTS	1
NO. OF LOTS CREATED	39
NO. OF H&M TRACTS CREATED	3
NO. OF REVENUE TRACTS CREATED	0
TOTAL GROSS SUBDIVISION AREA	11.32

### SURVEY NOTES:

- ALL BOUNDARY CORNERS SHOWN (●) ARE FOUND REAR W/CAP.
- ALL STREET CENTERLINE MONUMENTATION SHALL BE INSTALLED AT ALL CENTERLINE PCS, PTS, ANGLE POINTS, AND STREET INTERSECTIONS AND SHOWN PMS (▲) AND WILL BE MARKED BY (†) ALUMINUM CAP STAMPED "CITY OF ALBUQUERQUE CENTERLINE MONUMENTATION MARKED, DO NOT DISTURB PLS 823C".
- THE SUBDIVISION BOUNDARY WILL BE TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM AS SHOWN.
- BASIS OF BEARINGS WILL BE NEW MEXICO STATE PLANE BEARINGS.
- DISTANCES SHALL BE GROUND DISTANCES.
- MANHOLE WILL BE OFFSET AT ALL POINTS OF CURVATURE, TANGENCY STREET INTERSECTIONS, AND ALL OTHER ANGLE POINTS TO ALLOW USE OF CENTERLINE MONUMENTATION.
- SHOWS ALL EASEMENTS OF RECORD.

APPROVED

Erin M. Riechman PS 1/16/19  
CITY SURVEYOR  
DATE  
1/13/19  
DATE  
PV TRAILS ALBUQUERQUE, LLC  
ITS MANAGER  
PV GENERAL PARTNER, LLC  
ANDREW M. KOPLIN, MANAGER



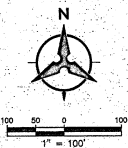
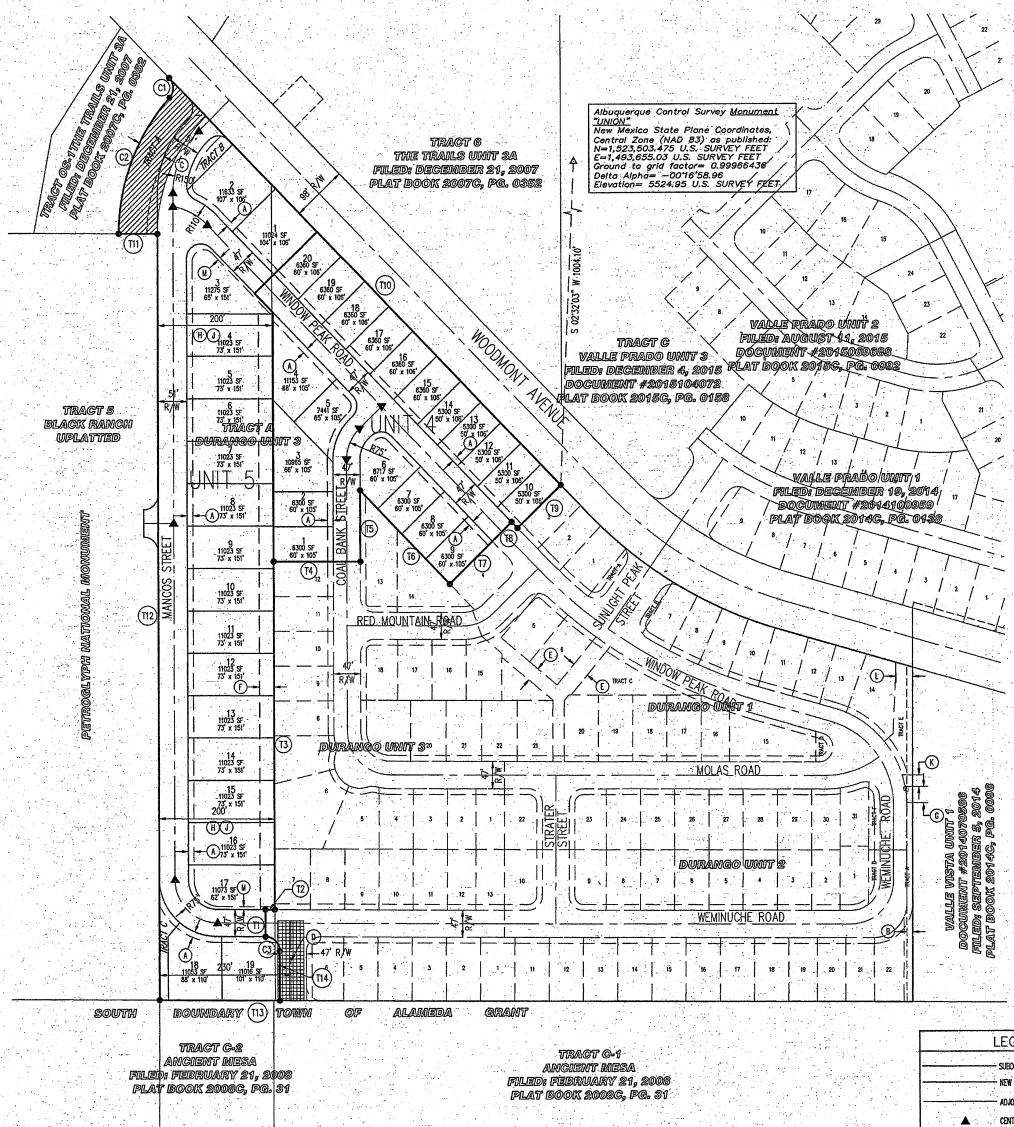
NOT TO SCALE VICINITY MAP ZONE ALIAS C-08-2

### KEYED NOTES

- 1/2" PUBLIC UTILITY EASEMENT GRANTED BY PLAT.
- EXISTING 1/2" PUBLIC UTILITY EASEMENT, FILED JUNE 8, 2009 AS DOCUMENT #20090356.
- EXISTING 50' PUBLIC ROADWAY AND DRAINAGE EASEMENT GRANTED TO THE CITY OF ALBUQUERQUE AND 60' PUBLIC WATER AND SANITARY SEWER EASEMENT GRANTED TO NADU BY PLAT FILED DECEMBER 21, 2007, IN PLAT BOOK 2007G, PAGE 352 TO BE VACATED BY UNIT 3B PLAT.
- EXISTING ROADWAY EASEMENT: CONTINGENT OF 46' PUBLIC ROADWAY EASEMENT, RESERVED BY THE BULK LAND PLAT OF THE TRAILS UNIT 3A, RECORDED ON DECEMBER 21, 2007 AS DOCUMENT #200717107, IN PLAT BOOK 2007G, PAGE 352 TO BE VACATED BY UNIT 3B PLAT. EXCEPT FOR THE LOCATION OF THIS EASEMENT AS IT RELATES TO THE SOUTH BOUNDARY OF TRACT 7, THE FINAL ALIGNMENT OF THIS EASEMENT WITHIN TRACT 7 AND CONNECTION OF THIS EASEMENT TO WOODMONT AVENUE, IN WILL BE ESTABLISHED AT THE TIME OF PLATTING TRACT 7, AS NOTED ON BULK LAND PLAT OF THE TRAILS UNIT 3A.
- EXISTING PUBLIC STORM SEWER EASEMENT GRANTED TO THE CITY OF ALBUQUERQUE BY THE DURANGO UNIT 1 PLAT, RECORDED ON FEBRUARY 12, 2016 AS DOCUMENT #2016013534, IN PLAT BOOK 2016G, PAGE 0012.
- 25' PRIVATE DRAINAGE EASEMENT FOR THE USE AND BENEFIT OF LOTS 4 THROUGH 17, UNIT 5, TO BE OWNED AND MAINTAINED BY EACH INDIVIDUAL LOT OWNER.
- EXISTING PUBLIC SANITARY SEWER AND WATER EASEMENT GRANTED TO THE ACRONIA BY THE DURANGO UNIT 1 PLAT, RECORDED ON FEBRUARY 12, 2016 AS DOCUMENT #2016013534, IN PLAT BOOK 2016G, PAGE 0012.
- LOTS WITHIN 200 FEET OF THE PETROGLYPH NATIONAL MONUMENT SHALL BE A MINIMUM OF 10,000 SQUARE FEET.
- LOTS MORE THAN 200 FEET FROM THE PETROGLYPH NATIONAL MONUMENT SHALL BE A MINIMUM OF 5,000 SQUARE FEET.
- EXISTING 20' PUBLIC WATER EASEMENT GRANTED TO THE ACRONIA BY THE DURANGO UNIT 1 PLAT, RECORDED ON FEBRUARY 12, 2016 AS DOCUMENT #2016013534, IN PLAT BOOK 2016G, PAGE 0012.
- EXISTING BLANKET PUBLIC DRAINAGE EASEMENT GRANTED TO THE CITY OF ALBUQUERQUE BY THE DURANGO UNIT 1 PLAT, RECORDED ON FEBRUARY 12, 2016 AS DOCUMENT #2016013534, IN PLAT BOOK 2016G, PAGE 0012.
- 5' PUBLIC UTILITY EASEMENT GRANTED BY PLAT.

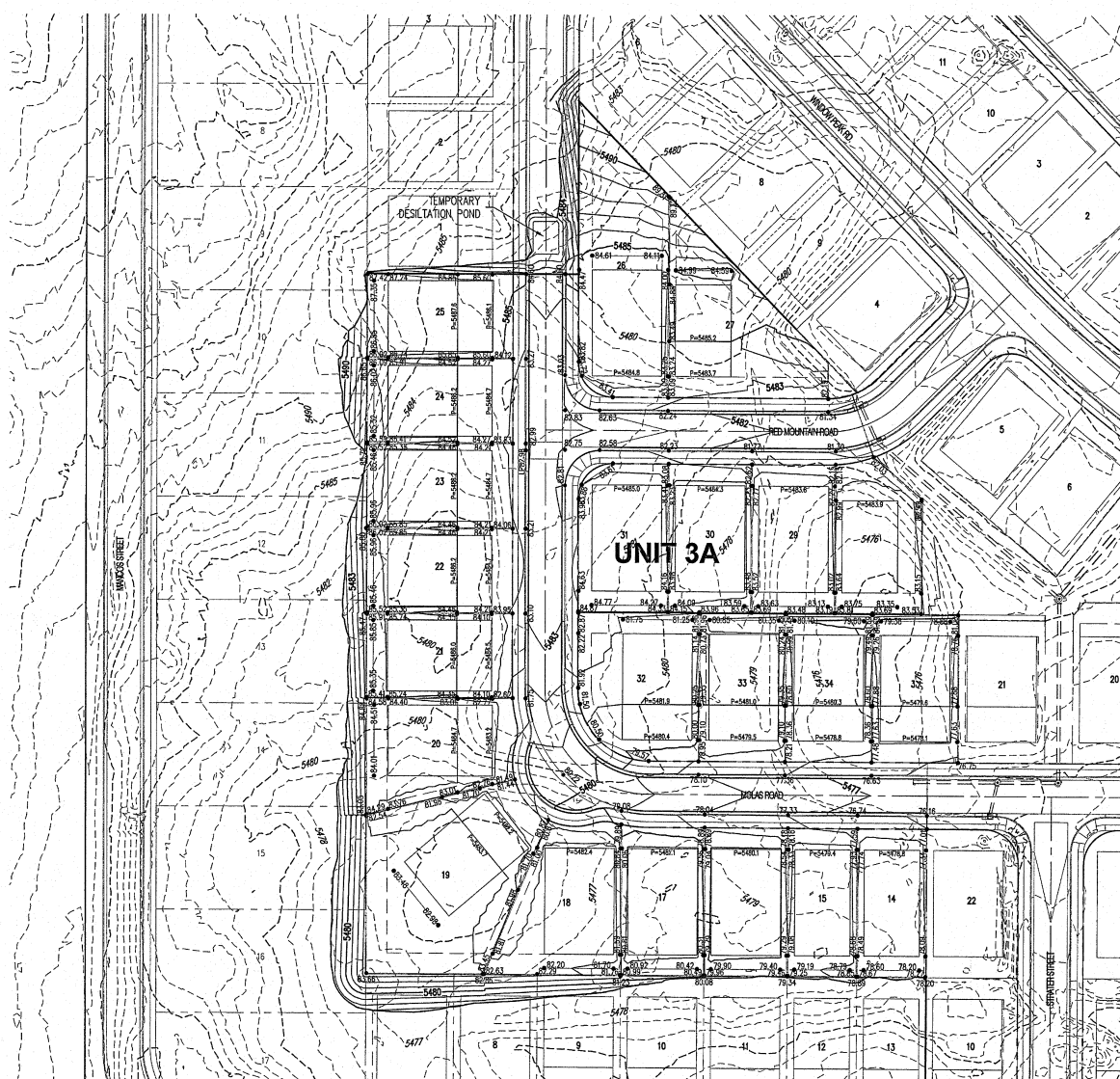
BOUNDARY TANGENT TABLE		BOUNDARY CURVE TABLE			
ID	BEARING	LENGTH	ID	ARC	RADIUS
D1	N00°03'37"E	42.00'	C1	27.61°	25.00'
D2	S89°42'27"E	16.18'	C2	256.74°	351.33'
D3	N00°05'57"E	500.24'	C3	39.17°	25.00'
D4	S89°54'03"E	152.00'			
D5	N00°05'57"E	122.40'			
D6	S44°10'54"E	124.75'			
D7	N45°49'06"E	152.00'			
D8	S44°10'54"E	14.62'			
D9	N45°49'06"E	106.00'			
D10	N44°10'24"W	850.05'			
D11	S39°14'47"E	68.00'			
D12	S00°05'57"W	1320.83'			
D13	S89°42'27"E	210.50'			
D14	N00°05'57"E	85.10'			

Thu, 10-Jan-2019 - 5:46 pm, Plotted by: SSTEIFFEN  
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Albuquerque Control Survey Monument  
UTM  
New Mexico State Plane Coordinates,  
Central Zone (NAD 83) as published:  
N=1,523,503.475 U.S. SURVEY FEET  
E=1,493,655.03 U.S. SURVEY FEET  
Ground to grid factor= 0.99996436  
Delta Alpha= -001°52'56.96  
Elevation= 5524.95 U.S. SURVEY FEET

LEGEND	
---	SUBDIVISION BOUNDARY LINE
---	NEW LOT LINE
---	ADJOINING PROPERTY LINE
▲	CENTERLINE MONUMENT TO BE INSTALLED
▲	CITY OF ALBUQUERQUE SURVEY CONTROL MONUMENT



PROPOSED SPOT ELEVATION      • 5235.25  
EXISTING SPOT ELEVATION      • EX 5235.25  
PROPOSED CONTOUR      — 5235 —  
EXISTING STORM DRAIN LINE      - - - - -  
PROPOSED STORM DRAIN INLET      [ ]  
PROPOSED STORM DRAIN LINE      ————  
PROPOSED STORM DRAIN MANHOLE      ( )  
PROPOSED WATER BLOCK      ~~~~~~  
RETAINING WALL      [ ]  
PAD      [ ]  
TURNED BLOCK      TB  
STREET SLOPE      XY →  
PHASE BOUNDARY      - - - - -

**Bohannon**  **Huston**  
www.bhinc.com 800.877.5332

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

DURANGO

UNIT 3A  
GRADING AND DRAINAGE PLAN

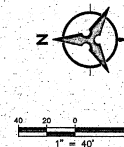
GRADING AND DRAINAGE PLAN			
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of
	C-09-Z	1	2

City Project No.	Zone Map No.	Sheet	Of
	C-09-7	1	2

FOR INFORMATION ONLY SHEET 4A

FOR INFORMATION ONLY SHEET 4A

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March 08, 2019 - 2:12pm



5. THE CONTRACTOR SHALL OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.

6. THE CONTRACTOR IS TO REFER TO EARTHWORK SPECIFICATIONS AS NOTED IN THE SOILS REPORT.

7. THE CONTRACTOR SHALL COMPLY WITH ALL CITY, COUNTY, STATE, AND FEDERAL DISTRICT CONTROLS, MEASURES & REQUIREMENTS AND WILL BE RESPONSIBLE FOR OBTAINING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.

8. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BARRIERS AS PER DETAIL, SHEET 30, AND WEEDING THE SOIL TO KEEP IT FROM BLOWING.

9. ALL SLOPE ELEVATIONS ARE TO FLURLINE (UNLESS OTHERWISE NOTED).


10. Boulders greater than 3 feet in diameter excavated during grading activities shall be stockpiled and disposed of at the discretion of the owner.

11. ALL WALLS SHOWN ARE TO BE PLAZED ALONG PROPERTY LINE. WALLS ARE SHOWN OFFSET FOR WALK, PARKING LOT.

12. ALL SLOPED EARTHWORK SHALL BE STABILIZED WITH 4" OF CORSE OR FINE-MESH GEOTEXTILE FABRIC. SLOPES SHALL BE

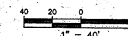
 81.82  
 82.45  
  
  
  
  
  
  
  
  
  
  


ENGINEER'S SEAL				SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.		RELAYED BY		DATE		AS MONUMENT STAMPED "IND"		AS-BUILT INFORMATION	
						GEOGRAPHIC POSITION (NAD 83)		AS-BUILT INFORMATION	
						N.M. STATE PLANE COORDINATES (CENTRAL ZONE)		AS-BUILT INFORMATION	
						N = 1,523,503.475 E = 1,483,655.030		AS-BUILT INFORMATION	
						NAD 83 ELEVATION = 0.099894560		AS-BUILT INFORMATION	
						Za = -0071858.94"		AS-BUILT INFORMATION	
						NAD 83 ELEVATION = 5524.950		AS-BUILT INFORMATION	

	<h1 style="margin: 0;">CITY OF ALBUQUERQUE</h1> <h2 style="margin: 0;">PUBLIC WORKS DEPARTMENT</h2>		
	<h3 style="margin: 0;">DURANGO</h3> <h3 style="margin: 0;">UNIT 3</h3> <h3 style="margin: 0;">GRADING AND DRAINAGE PLAN</h3>		
Design Review Committee	City Engineer Approval	<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <div style="border: 1px solid black; width: 100%; height: 100%; position: relative;"> <div style="position: absolute; top: 0; right: 0; width: 100%; height: 100%; background: linear-gradient(to top right, transparent 49%, black 49%, black 51%, transparent 51%);"></div> </div> </div> <div style="width: 48%;"> <div style="border: 1px solid black; width: 100%; height: 100%; position: relative;"> <div style="position: absolute; top: 0; right: 0; width: 100%; height: 100%; background: linear-gradient(to top right, transparent 49%, black 49%, black 51%, transparent 51%);"></div> </div> </div> </div>
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City Project No. XXXXXX		Zone Map No. C-09-7	Sheet _____ of _____

FOR INFORMATION ONLY SHEET 4B

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**NECESSARY NOTICES**

THE CONTRACTOR SHALL OBTAIN A TOPSOIL DISBURSANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.

THE CONTRACTOR IS TO REFER TO DRAINAGE SPECIFICATIONS AS NOTED IN THE SOILS REPORT.

THE CONTRACTOR SHALL COMPLY WITH ALL CITY, COUNTY, STATE AND FEDERAL ZONE CONTROL, WEAPONS & RECREATION AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND PERMITS.

THE CONTRACTOR SHALL ENSURE THAT NO SOIL IS ERODED FROM THE LOTS INTO PUBLIC HIGHWAY OR -WAY. THIS CAN BE ACHIEVED BY THE CONSTRUCTION TEMPORARY BARRIERS AS PER DETAIL, SHEET 2, AND NETTING THE SOIL TO KEEP IT FROM BLOWING.

ALL SLOTT ELEVATIONS ARE TO FLOODELINE UNLESS OTHERWISE NOTED.

BOULDERS GREATER THAN 3 FEET IN DIAMETER EXISTING DURING GRADING ACTIVITIES SHALL BE STOCKPILED AND DISPOSED OF AT THE DISCRETION OF THE OWNER.

ALL WALLS SHOWN ARE TO BE MAJOR ALONG PROPERTY LINE. WALLS ARE SHOWN OFFSET FOR VISUAL APPEAL.

ALL BULFERS GREATER THAN 3' SHALL BE CONCRETE WITH 4" - 6" COBBLE OVER HIGH-MODULUS GEOTEXTILE FIBER, CLASS 1.

	PROPOSED SPOT ELEVATION
	EXISTING SPOT ELEVATION (GRADE & T)
	EXISTING CURB & GUTTER
	PROPOSED MOUNTABLE CURB & GUTTER
	PROPOSED STANDARD CURB & GUTTER
	EXISTING CONTOUR: 1/4" INDEX ELEVATION
	FLOW ARROW
	PROPOSED RETAINING WALL
	PROPOSED GARDEN WALL
	PROPOSED SLOPE
	PROPOSED STORM DRAIN
	PROPOSED STORM DRAIN MANHOLE
	PROPOSED STORM DRAIN INLET

[illegible]

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PUBLIC WORKS DEPARTMENT

## DURANGO

## UNIT 4

### GRADING AND DRAINAGE PLAN

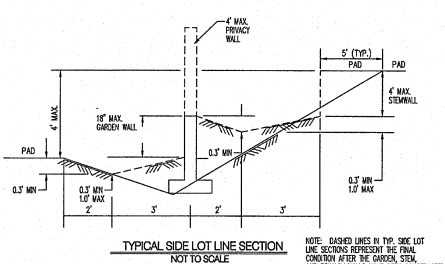
Design Review Committee	City Engineer Approval	Last Design Update Mo./Day/Yr.    Mo./Day/Yr. _____ _____ _____ _____	
City Project No.	Zone Map No.	Sheet	Of
XXXXXX	C-09-7	3	5

FOR INFORMATION ONLY SHEET 4C

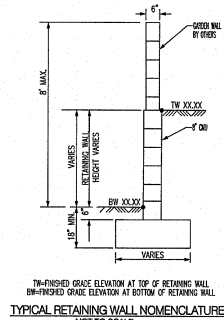
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**NOTE**

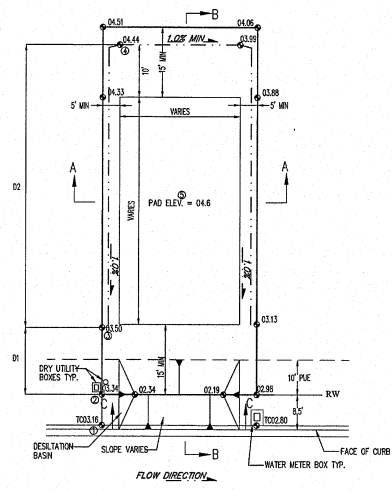
ALL SLOPES ON NDA TRACTS TO BE STABILIZED BY NATIVE SEED AND MULCH PER STD SPEC 102 WITH GRAVEL MULCH OR BETTER.



NOTE: DASHED LINES IN TYP. SIDE LOT LINE SECTIONS REPRESENT THE FINAL CONSTRUCTION AFTER THE GARDEN, SIDEWALK AND PRIVACY WALLS HAVE BEEN CONSTRUCTED. THE RETAINING CONCRETE WHICH IS TO BE CONSTRUCTED BY THE GRADING CONTRACTOR AND OWNED BY THE OWNER, IS REPRESENTED BY THE SOLID LINES. RETAINING WALLS WILL BE CONSTRUCTED PRIOR TO GRADING CERTIFICATION.



TW-FINISHED GRADE ELEVATION AT TOP OF RETAINING WALL  
BIFINISHED GRADE ELEVATION AT BOTTOM OF RETAINING WALL  
NOT TO SCALE  
(RETAINING HEIGHT IS TAKEN TO BE DIFFERENCE IN FINISHED GRADES ON LEFT AND RIGHT SIDE OF WALL.)  
HEIGHT IS IN ACCORDANCE WITH CITY COMPREHENSIVE ZONING CODE, SECTION 14-16-3-11. GENERAL HEIGHT AND DESIGN REGULATIONS FOR WALLS, TRENCHES AND RETAINING WALLS.



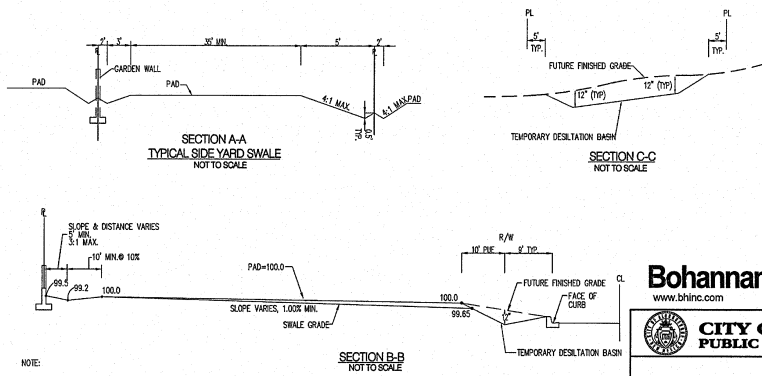
TYPICAL LOT GRADE DETAIL  
WITH DESILTATION BASIN FOR SEDIMENTATION CONTROL  
NOT TO SCALE  
TO SET SPOT 3 - ADD 6.17 TO SPOT 1  
TO SET SPOT 4 - MULTIPLY BY 8.11 AND ADD TO SPOT 2  
TO SET SPOT 5 - MULTIPLY BY 8.11 AND ADD TO SPOT 3  
BOTTOM OF BASIN IS 1' BELOW PROPERTY LINE ELEVATION.  
SEE GRADING PLANS FOR EXACT ELEVATIONS.  
CONTRACTOR SHALL CONSTRUCT TEMPORARY DESILTATION BASIN AT EACH LOT.

**GENERAL NOTES**

1. ALL WORK DETAILED ON THESE PLANS AND PERFORMED UNDER THIS CONTRACT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND THE PROJECT GEOTECHNICAL REPORT, WHERE APPLICABLE, CITY OF ALBUQUERQUE PUBLIC WORKS STANDARDS SHALL APPLY.
2. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS INCLUDING ALL UNDERGROUND UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER OR ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION OF EXISTING UTILITIES.
5. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK DELAYS. THE CONTRACTOR MAY BE REQUIRED TO RELOCATE HIS ACTIVITIES TO ALLOW UTILITY COMPANIES TO PERFORM THEIR REQUIRED WORK.
6. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
7. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
8. 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.
9. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E., BARRECAJOS, TOPSOIL DISTURBANCE, EXCAVATION PERMITS, EPA STORM WATER PERMITS, ETC.).
10. ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
11. THE CONTRACTOR SHALL PREPARE A CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
12. ALL BARRECAJOS AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), US DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
13. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRECAJOS AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRECAJOS AT THE END AND BEGINNING OF EACH DAY.
14. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONFORM WITH EPA REQUIREMENTS, INCLUDING COMPLIANCE WITH NPDES PHASE 2 REQUIREMENTS.

**GRADING NOTES**

1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.
2. CONTRACTOR SHALL OBTAIN AND ABIDE BY A TOPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DIVISION, PRIOR TO CONSTRUCTION. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SLOPE REPORT. ALL OTHER WORK, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS (FIRST PRIORITY), AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).
4. TWO WORKING DAYS PRIOR TO EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE (765-1264) FOR LOCATION OF EXISTING UTILITIES.
5. PRIOR TO GRADING, ALL VEGETATION DEBRIS, AND NEAR SURFACE ORGANICALLY CONTAMINATED SOIL SHALL BE STRIPPED FROM ALL AREAS TO BE GRADED. VEGETATION AND DEBRIS SHALL BE DISPOSED OF OFF-SITE OR STOCK-PILED FOR USE IN PLANTERS AND NON-STRUCTURAL FILLS.
6. EXISTING SLOPES SHALL NOT EXCEED 4 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.
7. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.
8. THE CONTRACTOR IS TO ENSURE THAT NO SOIL DROPS FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY. THIS SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY BERRS AT THE PROPERTY LINES SETTING THE SOIL TO PROTECT IT FROM WIND EROSION.
9. A DISPOSAL SITE FOR ALL EXCESS EXCAVATION AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN CONFORMANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERE TO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT, AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
10. PAVING AND ROADWAY GRADES SHALL BE +/- 0.1' FROM PLANNED ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM BUILDING PLAN ELEVATIONS.
11. ALL SPOT ELEVATIONS ARE TO FLOODLINE UNLESS OTHERWISE NOTED. VALLEY OUTLET ELEVATIONS ARE SHOWN AT FLOODLINE ELEVATION.
12. RETAINING WALLS ARE REQUIRED BETWEEN LOTS THAT HAVE PAD ELEVATIONS THAT ARE GREATER THAN 2' DIFFERENCE.



**NOTE:**

1. CONTRACTOR IS TO MASS GRADE ROADS TO 2' BENEATH FUTURE CURB. EXCESS FROM DRY UTILITY TRENCH IS TO BE USED TO BACK FILL BEHIND CURB.
2. FRONT YARDS ARE TO BE GRADED AS SHOWN ON THIS DETAIL FOR FINAL GRADING AND CERTIFICATION THIS DETAIL TO BE COORDINATED WITH.
3. HOME BUILDER TO BRING FRONT YARD TO ULTIMATE FRONT YARD GRADES AFTER HOME CONSTRUCTION IS COMPLETED. SEE ULTIMATE FRONT YARD GRADING DETAIL ON THIS SHEET.

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**CITY OF ALBUQUERQUE**  
**PUBLIC WORKS DEPARTMENT**

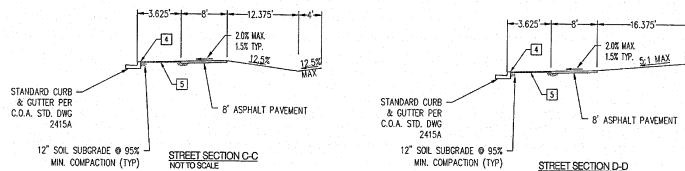
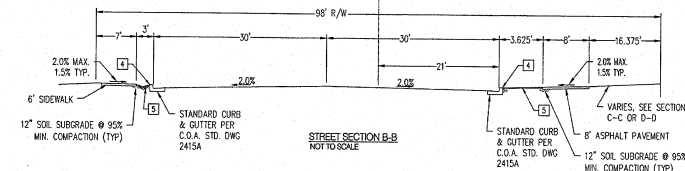
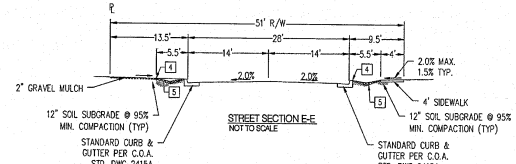
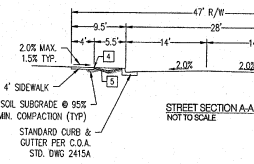
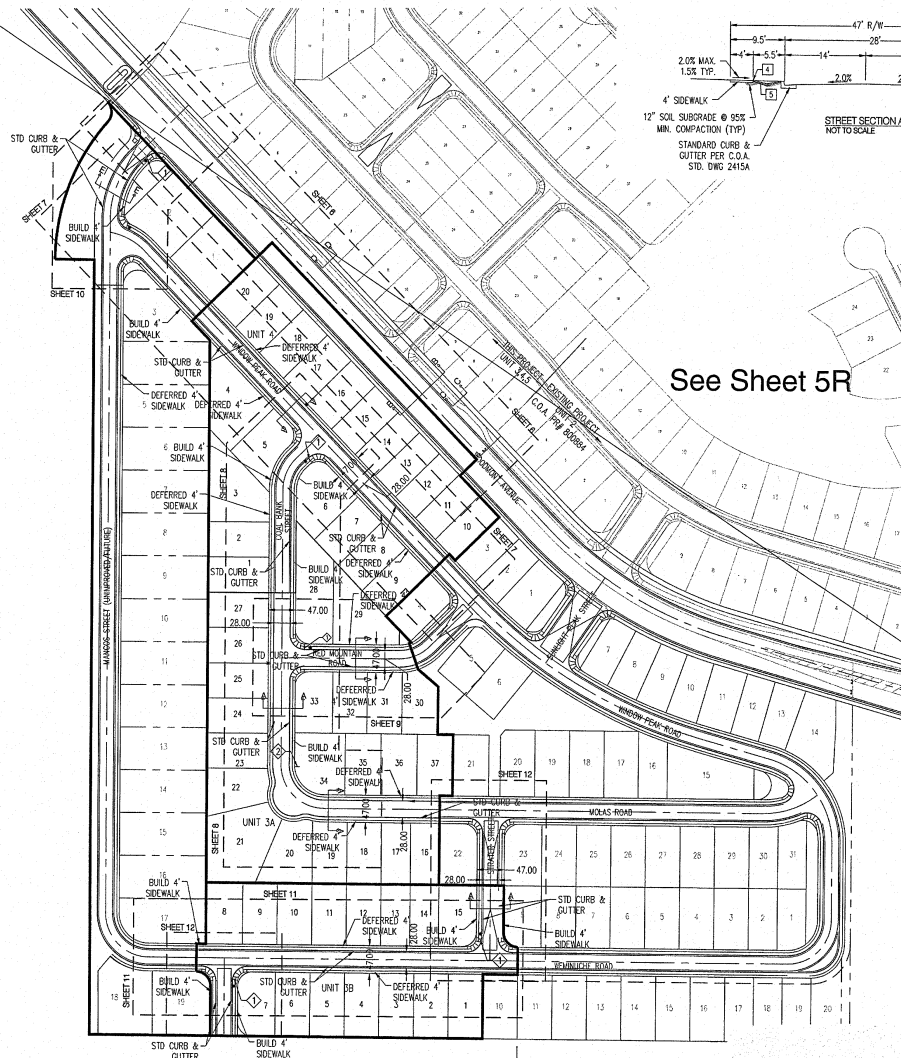
**DURANGO**  
**UNIT 3A**  
**GRADING AND DRAINAGE DETAILS**

Design Review Committee	City Engineer Approval	Ms./Day/Yr.	Ms./Assoc./Yr.

City Project No. \_\_\_\_\_ Zone Map No. \_\_\_\_\_ Sheet \_\_\_\_\_ Of \_\_\_\_\_

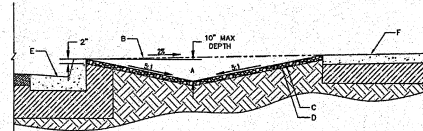
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FOR INFORMATION ONLY SHEET 4D



#### LANDSCAPE BUFFER SWALE NOTES

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



- LEGEND**
- INSTALL STOP SIGN
  - PROPOSED STREET NAME 36\"/>

- GENERAL NOTES**
1. ALL SIGNING, STRIPING, AND LIGHTING INTERNAL TO THE PRIVATE DEVELOPMENT SHALL BE INSTALLED BY THE OWNER. OWNER SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE.

- GENERAL NOTES**
1. THE LANDSCAPE AREA BETWEEN THE SIDEWALK AND BACK OF CURB SHALL BE DEPRESSSED AND COVERED IN ROCK TO PREVENT EROSION.
  2. LANDSCAPE BUFFERS 2 FEET AND LESS IN WIDTH ARE EXCLUDED.
  3. CHECK DAMS ARE REQUIRED FOR SWALES ON LONGITUDINAL SLOPES, 2.5% AND GREATER. THE ENGINEER WILL DETERMINE THE LOCATION.

- CONSTRUCTION NOTES**
- A. FOR LANDSCAPE BUFFERS GREATER THAN 10 FEET WIDE THE MAXIMUM DEPTH SHALL BE 10 INCHES.
  - B. 2% PROPOSED SLOPE FROM BACK OF CURB TO EDGE OF SIDEWALK.
  - C. SURFACE BETWEEN BACK OF CURB AND SIDEWALK SHALL BE COVERED WITH GRAVEL DRIVING MULCH (MINIMUM SIZE 3/4"), COBBLES, OR RIP-RAP. DO NOT FILL ENTIRE SWALE.
  - D. LANDSCAPE FABRIC IS RECOMMENDED, BUT NOT REQUIRED. IF USED, LANDSCAPE FABRIC SHALL BE PERMEABLE.
  - E. CURB AND GUTTER.
  - F. SIDEWALK.

- LEGEND**
- PROPOSED CURB AND GUTTER
  - EXISTING CURB AND GUTTER
  - FUTURE CURB AND GUTTER
  - BUILD SIDEWALK
  - PROPOSED STORM DRAIN MANHOLE
  - EXISTING STORM DRAIN MANHOLE
  - PROPOSED SANITARY SEWER MANHOLE
  - EXISTING SANITARY SEWER MANHOLE
  - PROPOSED FIRE HYDRANT
  - PROPOSED GATE VALVE
  - EXISTING GATE VALVE
  - STREET LIGHT
  - PROPOSED STOP SIGN

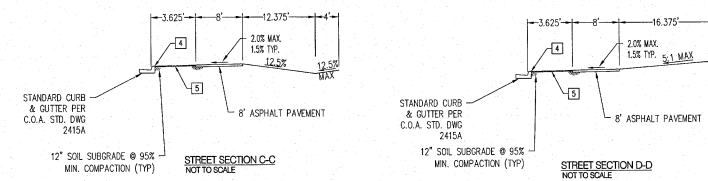
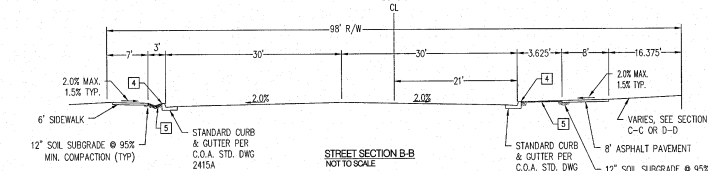
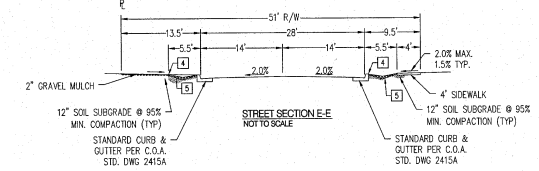
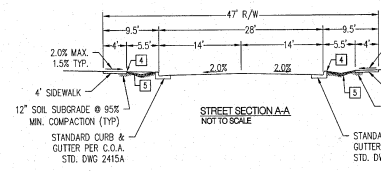
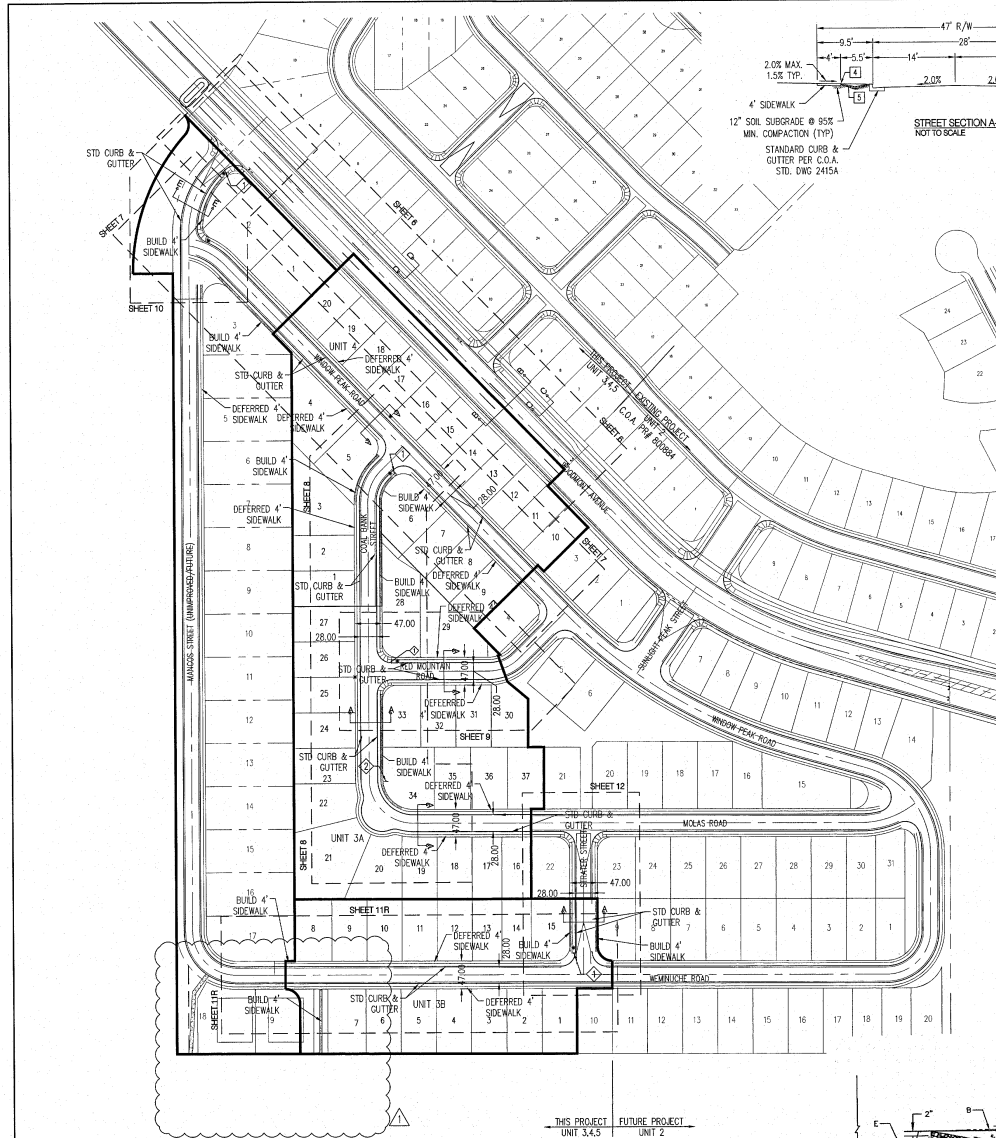
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DEPARTMENT OF MUNICIPAL DEVELOPMENT

**DURANGO UNIT 3 & 4**  
OVERALL PAVING PLAN

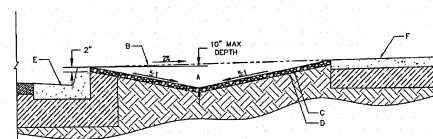
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CITY ENGINEER APPROVAL: JUNE 02 2020  
LAST DESIGN UPDATE

CITY PROJECT NO. 800885  
SHEET 5 OF 25



**LANDSCAPE BUFFER SWALE NOTES**

- SWALE TO BE 6" DEEP WHEN THE DISTANCE BETWEEN BACK OF CURB AND THE SIDEWALK IS 5 FEET.
- SWALE TO BE 1" DEEPER THAN THE DISTANCE IN FEET BETWEEN THE BACK OF CURB AND THE SIDEWALK FOR LANDSCAPE BUFFERS IS DIFFERENT THAN 5 FEET WIDE.
- FOR WIDE LANDSCAPE BUFFERS, GREATER THAN 10 FEET, THE MAXIMUM DEPTH IS 10 INCHES.
- FINAL GRADE OF DIRT TO BE 1 TO 2 INCHES BELOW TOP OF CURB AND SIDEWALK GRADE.
- SURFACE BETWEEN BACK OF CURB AND SIDEWALK TO BE COVERED WITH GRAVEL MULCH (MINIMUM 3/4"), COBBLES OR RIP-RAP. DO NOT FILL ENTIRE SWALE.
- A CHECK DAM WILL BE REQUIRED FOR SWALES ON STEEPER LONGITUDINAL SLOPES 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.
- DETAIL IS TO BE BUILT FOR ALL NEW CONSTRUCTION. IN THE CASE WHERE THE SIDEWALK IS EXISTING AND THE LANDSCAPE BUFFER IS IMPROVED WITH LANDSCAPING AND/OR SOME FORM OF GROUND PROTECTION, THIS REQUIREMENT DOES NOT APPLY.



**LEGEND**

- INSTALL STOP SIGN. PROPOSED STREET NAME 36" STOP SIGN LOCATIONS.
- INSTALL STREET NAME SIGN.

**GENERAL NOTES**

- ALL SIGNING, STRIPING, AND LIGHTING INTERNAL TO THE PRIVATE DEVELOPMENT SHALL BE INSTALLED BY THE OWNER. OWNER SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE.

**GENERAL NOTES**

- THE LANDSCAPE AREA BETWEEN THE SIDEWALK AND BACK OF CURB SHALL BE DEPRESSED AND COVERED IN SOIL TO PREVENT EROSION.
- LANDSCAPE BUFFERS 2 FEET AND LESS IN WIDTH ARE EXCLUDED.
- CHECK DAMS ARE REQUIRED FOR SWALES ON LONGITUDINAL SLOPES 2:35 AND GREATER. THE ENGINEER WILL DETERMINE THE LOCATION.

**CONSTRUCTION NOTES**

- FOR LANDSCAPE BUFFERS GREATER THAN 10 FEET WIDE THE MAXIMUM DEPTH SHALL BE 10 INCHES.
- 2% PROJECTED SLOPE FROM BACK OF CURB TO EDGE OF SIDEWALK.
- SURFACE BETWEEN BACK OF CURB AND SIDEWALK SHALL BE COVERED WITH ANGULAR GRAVEL MULCH (MINIMUM SIZE 3/4"), COBBLES, OR RIP-RAP. DO NOT FILL ENTIRE SWALE.
- LANDSCAPE FABRIC IS RECOMMENDED, BUT NOT REQUIRED, IF USED, LANDSCAPE FABRIC SHALL BE PERMEABLE.
- CURB AND GUTTER.
- SIDEWALK.

**LEGEND**

- PROPOSED CURB AND GUTTER
- EXISTING CURB AND GUTTER
- FUTURE CURB AND GUTTER
- BUILD SIDEWALK
- PROPOSED STORM DRAIN MANHOLE
- EXISTING STORM DRAIN MANHOLE
- PROPOSED SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED GATE VALVE
- EXISTING GATE VALVE
- STREET LIGHT
- PROPOSED STOP SIGN

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**CITY OF ALBUQUERQUE**  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
DURANGO UNIT 3 & 4  
OVERALL PAVING PLAN

DESIGN REVIEW COMMITTEE <b>APPROVE</b> Sept. 10, 2020 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL <b>APPROVE</b> Sept. 10, 2020 CITY ENGINEER	NO. 001/001	NO. 001/001
CITY PROJECT NO. 800885		ZONE MAP NO. C-09	SHEET 5R OF 25





- NOTES**
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
  2. ALL CURBS RETURN RADI SHALL BE 15' UNLESS OTHERWISE SPECIFIED.
  3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
  4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWLINE OF CURB UNLESS OTHERWISE SPECIFIED.
  5. CONTRACTOR IS TO INSTALL A 4" x 4" x 5' POST AND E.M.S. AT THE END OF EACH SANITARY SEWER SERVICE.
  6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
  7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
  8. CONTRACTOR SHALL PROVIDE THE INSPECTORS (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
  9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
  10. ANY DAMAGE TO THE EXISTING FACILITIES (CURBS & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
  11. REMOVAL OF THE EXISTING CURB & GUTTER SHALL BE PER COA STD. DWG. 2415.
  12. CURB RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
  13. RCP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. 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 GROUDED UNLESS DIRECTED BY THE ENGINEER AFTER CITY APPROVAL.
  14. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH CSHA 29 CFR 1926.650 SUBPART F.
  15. GRATE PER MODIFIED COA STANDARD DWG. 2220 SEE DETAIL ON SHEET 5C.

- KEYED NOTES**
1. STD. CURB & GUTTER PER COA STD. DWG. 2415A
  2. INSTALL 6" CONCRETE VALLEY GUTTER PER COA STD. DWG. 2420 & DETAIL SHEET 13
  3. BUILD WHEEL CHAIR RAMP PER DETAIL 'A' SHEET 13
  4. BUILD 4' SIDEWALK PER COA STD. DWG. 2430.
  5. PAVEMENT DESIGN SECTION SEE SHEET 13
  6. 4' SIDEWALK DEFERRED
  7. BUILD 6" SIDEWALK PER COA STD. DWG. 2430.
  8. BUILD 6" ASPHALT TRAIL
  9. INSTALL 4" CONCRETE VALLEY GUTTER PER COA STD. DWG. 2421
  10. MOUNTABLE CURB ROLL TYPER PER COA STD. DWG. 2415A

**GENERAL NOTE**  
ALL STORM DRAIN MANHOLES SHALL BE 4' DIAMETER TYPE 'E' AS PER C.O.A. STANDARD DRAWING 2102 UNLESS OTHERWISE NOTED.  
STORM DRAIN LINE TO BE CLASS II RCP UNLESS OTHERWISE NOTED

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DEPARTMENT OF  
MUNICIPAL DEVELOPMENT  
DURANGO UNIT 3 & 4  
PAVING PLAN & PROFILE

DESIGN REVIEW COMMITTEE  
CITY ENGINEER  
DESIGNED BY YPM  
DRAWN BY YPM  
DATE 02/2019  
DATE 02/2019

PROJECT NO. 800885  
SHEET 8 OF 25

DATE 02/2019  
DATE 02/2019

DATE 02/2019  
DATE 02/2019

DATE 02/2019  
DATE 02/2019

DATE 02/2019  
DATE 02/2019

DATE 02/2019  
DATE 02/2019

DATE 02/2019  
DATE 02/2019

**CL FLOWLINE DATA FOR CURB RETURN**

PC	STATION	CL	RT	LT
1	82.75	D = 89°46'24"		
2	82.88	R = 25.00'		
3	82.95	L = 24.90'		
PT	83.03	L = 39.17'		
PI	82.63	C = 35.29'		
PC	STA. 13+68.10, 14.00' LT			
PT	STA. 13+68.10, 14.00' LT			
PI	STA. 13+68.10, 14.00' LT			
PT	STA. 13+68.10, 14.00' LT			

**CL FLOWLINE DATA FOR CURB RETURN**

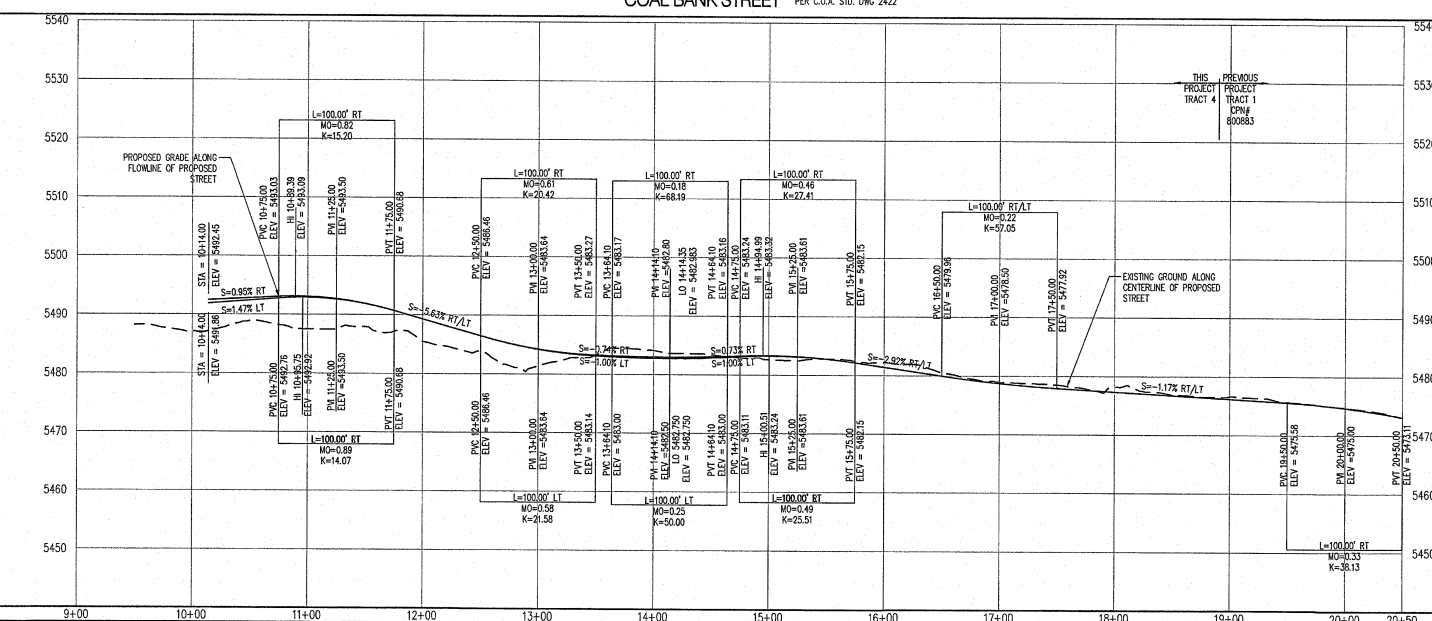
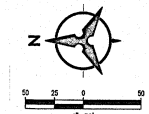
PC	STATION	CL	RT	LT
1	82.75	D = 89°46'24"		
2	82.88	R = 25.00'		
3	82.95	L = 24.90'		
PT	83.03	L = 39.17'		
PI	82.75	C = 35.29'		
PC	STA. 14+39.00, 14.00' LT			
PT	STA. 14+39.00, 14.00' LT			
PI	STA. 14+39.00, 14.00' LT			
PT	STA. 14+39.00, 14.00' LT			

NOTE:  
SEE SHEET 7 FOR QUARTER  
POINT FLOWLINE ELEVATION  
TABLES A & B

ID	ARC	RADIUS	DELTA	TANGENT
C1	59.85'	75.00'	45°43'09"	31.62'
C2	117.51'	75.00'	89°46'24"	74.70'

ID	BEARING	LENGTH
T1	S45°49'06"W	34.79'
T2	S50°25'57"W	467.79'
T3	S89°40'22"E	200.15'

CUL-DE-SAC Point Table			
○	STATION	OFFSET	ELEVATION
1	16+03.18	14.00' RT	5481.33
2	16+15.05	20.20' RT	5481.03
3	16+27.44	31.56' RT	5480.63
4	16+41.09	35.50' RT	5480.25
5	16+54.75	31.56' RT	5479.87
6	16+67.14	20.20' RT	5479.49
7	16+79.01	14.00' RT	5479.19

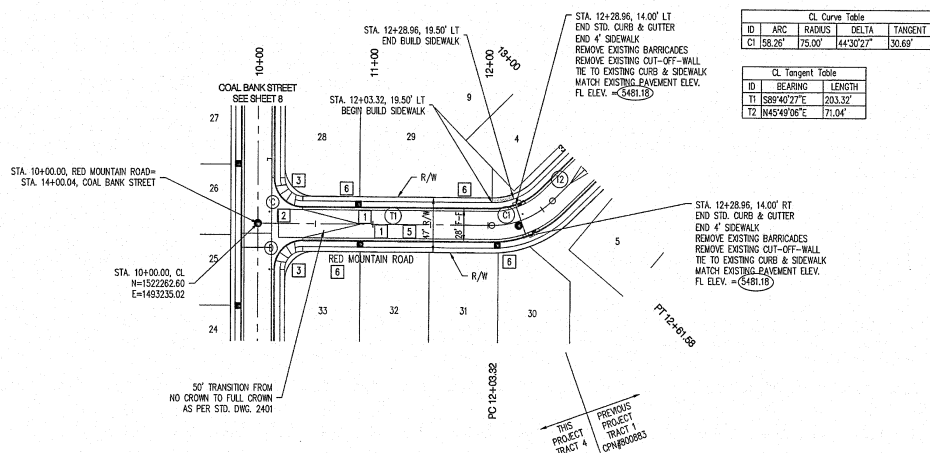


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BH JOB NO. 20190414

SCALE:  
HORIZ. 1"=50'  
VERT. 1"=10'

# RECORD DRAWING



- NOTES**
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
  2. ALL CURB RETURN RADI SHALL BE 15' UNLESS OTHERWISE SPECIFIED.
  3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
  4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWLINE OF CURB UNLESS OTHERWISE SPECIFIED.
  5. CONTRACTOR IS TO INSTALL A 4" x 4" x 5' POST AND E.M.S. AT THE END OF EACH SANITARY SEWER SERVICE.
  6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
  7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
  8. CONTRACTOR SHALL PROVIDE THE INSPECTORS (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
  9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
  10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
  11. REMOVAL OF THE EXISTING CURB & GUTTER SHALL BE PER COA STD. DWG. 2415.
  12. CURB RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
  13. RCP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. 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 AFTER CITY APPROVAL.
  14. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH CSHA 29 CFR 1926.658 SUBPART P.
  15. GRATE PER MODIFIED COA STANDARD DWG. 2220 SEE DETAIL ON SHEET 5C

## KEYED NOTES

1. STD. CURB & GUTTER PER COA STD. DWG. 2415A
2. INSTALL 6" CONCRETE VALLEY GUTTER PER COA STD. DWG. 2420 & DETAIL SHEET 13
3. BUILD WHEEL CHAIR RAMP PER DETAIL 'A' SHEET 13
4. BUILD 4" SIDEWALK PER COA STD. DWG. 2430.
5. PAVEMENT DESIGN SECTION SEE SHEET 13
6. 4" SIDEWALK DEFERRER
7. BUILD 6" SIDEWALK PER COA STD. DWG. 2430.
8. BUILD 6" ASPHALT TRAIL
9. INSTALL 4" CONCRETE VALLEY GUTTER PER COA STD. DWG. 2421
10. MOUNTABLE CURB ROLL TYPER PER COA STD. DWG. 2415A

**GENERAL NOTE**  
ALL STORM DRAIN MANHOLES SHALL BE 4' DIAMETER TYPE 'E' AS PER C.O.A. STANDARD DRAWING 2102 UNLESS OTHERWISE NOTED.  
STORM DRAIN LINE TO BE CLASS II RCP UNLESS OTHERWISE NOTED.

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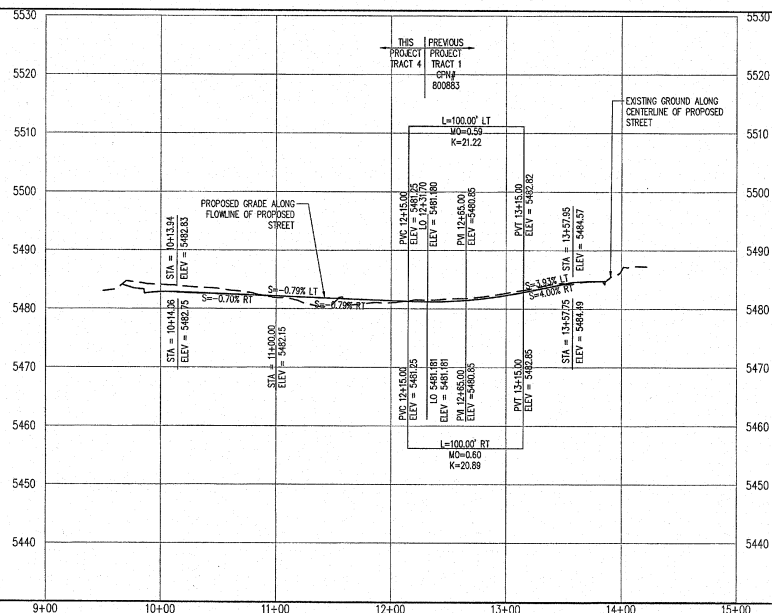
**CITY OF ALBUQUERQUE**  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
DURANGO UNIT 3 & 4  
PAVING PLAN AND PROFILE

DESIGN REVIEW COMMITTEE  
CITY ENGINEER APPROVAL  
NO. / DATE / 2019  
DATE / 2019  
DATE / 2019

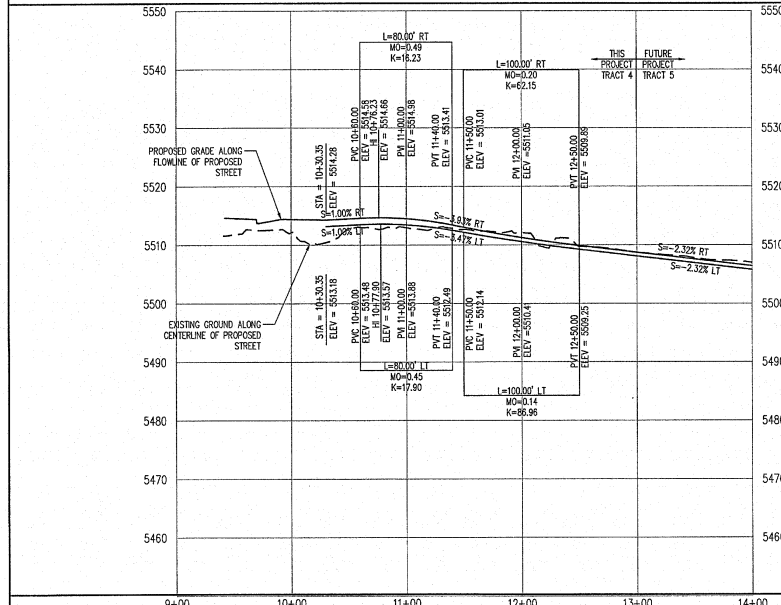
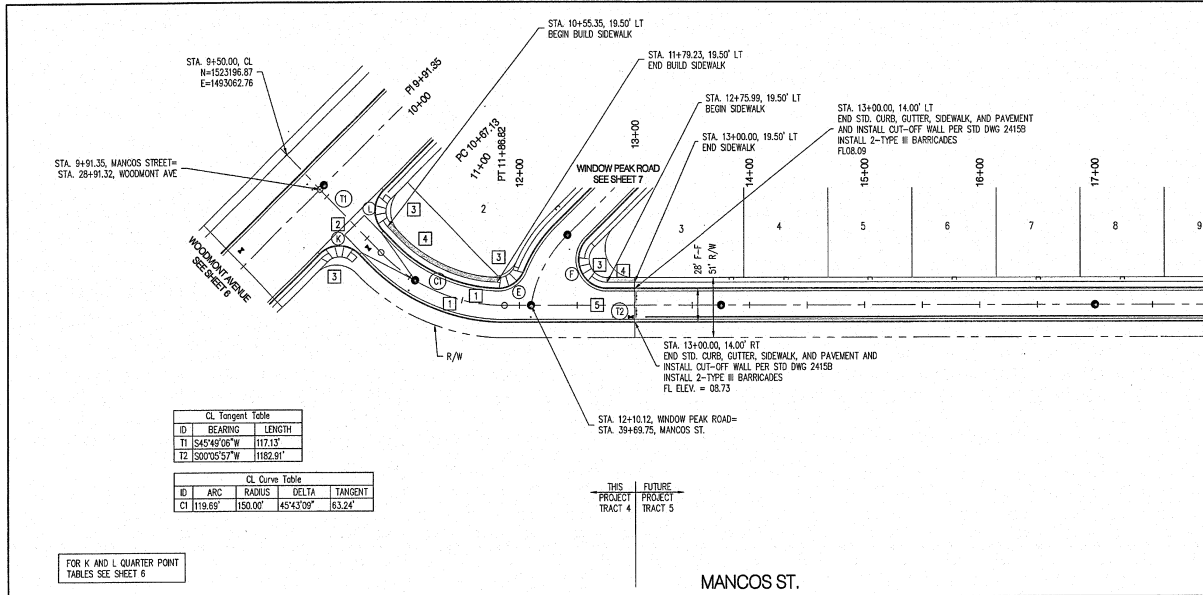
DESIGNED BY YPM  
DRAWN BY AR  
CHECKED BY YPM

800885 C-09 SHEET 9 OF 25

## RED MOUNTAIN ROAD



# RECORD DRAWING



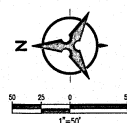
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① FLOWLINE DATA FOR CURB RETURN

PC	PT	PI	PT	PI
10.35	10.1	10.35	10.1	10.35
10.68	10.1	10.68	10.1	10.68
10.83	10.1	10.83	10.1	10.83
11.18	10.1	11.18	10.1	11.18
11.50	10.1	11.50	10.1	11.50

② FLOWLINE DATA FOR CURB RETURN

PC	PT	PI	PT	PI
08.65	08.65	08.65	08.65	08.65
09.02	08.65	09.02	08.65	09.02
09.88	08.65	09.88	08.65	09.88
10.80	08.65	10.80	08.65	10.80
11.73	08.65	11.73	08.65	11.73
12.70	08.65	12.70	08.65	12.70



### NOTES

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- ALL CURB RETURN RADI SHALL BE 15' UNLESS OTHERWISE SPECIFIED.
- ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
- GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWLINE OF CURB UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR IS TO INSTALL A 4" x 4" x 5' POST AND E.M.S. AT THE END OF EACH SANITARY SEWER SERVICE.
- CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
- ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
- CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
- CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
- ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES ETC) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
- REMOVAL OF THE EXISTING CURB & GUTTER SHALL BE PER COA STD. DWG. 2415.
- CURB RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
- 13" RCP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. 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 AFTER CITY APPROVAL.
- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
- GRADE PER MODIFIED COA STANDARD DWG. 2220 SEE DETAIL ON SHEET 52.

### KEYED NOTES

- STD. CURB & GUTTER PER COA STD. DWG. 2415A
- INSTALL 6" CONCRETE VALLEY GUTTER PER COA STD. DWG. 2420 & DETAIL SHEET 13
- BUILD WHEEL CHAIR RAMP PER DETAIL 'A' SHEET 13
- BUILD 4' SIDEWALK PER COA STD. DWG. 2430.
- PAVEMENT DESIGN SECTION SEE SHEET 13
- 4' SIDEWALK DEFERRER
- BUILD 6" SIDEWALK PER COA STD. DWG. 2430.
- BUILD 6" ASPHALT TRAIL
- INSTALL 4" CONCRETE VALLEY GUTTER PER COA STD. DWG. 2421
- MOUNTABLE CURB ROLL TYPER PER COA STD. DWG. 2415A

GENERAL NOTE:  
ALL STORM DRAIN MANHOLES SHALL BE 4' DIAMETER TYPE 'E' AS PER C.O.A. STANDARD DRAWING 2102 UNLESS OTHERWISE NOTED.  
STORM DRAIN LINE TO BE CLASS III RCP UNLESS OTHERWISE NOTED

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DURANGO UNIT 3 & 4  
PAVING PLAN & PROFILE

DESIGN REVIEW COMMITTEE JUN 17 2019	CITY ENGINEER APPROVAL JUNE 02 2020	NO. 01/17/19	NO. 01/17/19
DESIGNED BY: PM	DRAWN BY: AR	CHECKED BY: PM	DATE: 02/2019

NO.	DATE	REVISIONS
1	02/2019	DESIGN

SCALE: HORIZ. 1"=50'  
VERT. 1"=10'

CITY PROJECT NO. 800885

ZONE MAP NO. C-09

SHEET 10 OF 25

See Sheet 11R

FLOWLINE DATA FOR CURB RETURN

PC	78.90	D = 89'46"24"
1	79.47	R = 25.00'
2	79.45	T = 29.40'
3	79.49	L = 39.17'
PT	79.54	C = 35.29'
PI	79.40	

PC STA. 10+28.35, 14.00' RT  
PT STA. 10+53.35, 39.00' RT  
PI STA. 10+45.35, 14.00' RT  
RAD STA. 10+28.35, 39.00' RT

FLOWLINE DATA FOR CURB RETURN

PC	79.03	D = 90'13"36"
1	79.96	R = 25.00'
2	78.89	T = 25.00'
3	78.50	L = 39.37'
PT	78.64	C = 35.43'
PI	78.84	

PC STA. 10+81.36, 39.10' RT  
PT STA. 11+06.36, 14.00' RT  
PI STA. 10+80.26, 14.00' RT  
RAD STA. 11+06.36, 39.00' RT

FLOWLINE DATA FOR CURB RETURN

PC	70.76	D = 90'00"00"
1	70.53	R = 25.00'
2	70.30	T = 25.00'
3	70.52	L = 39.27'
PT	70.73	C = 35.36'
PI	70.20	

PC STA. 15+13.54, 39.00' LT  
PT STA. 14+88.54, 14.00' LT  
PI STA. 15+13.54, 14.00' LT  
RAD STA. 14+88.54, 39.00' LT

FLOWLINE DATA FOR CURB RETURN

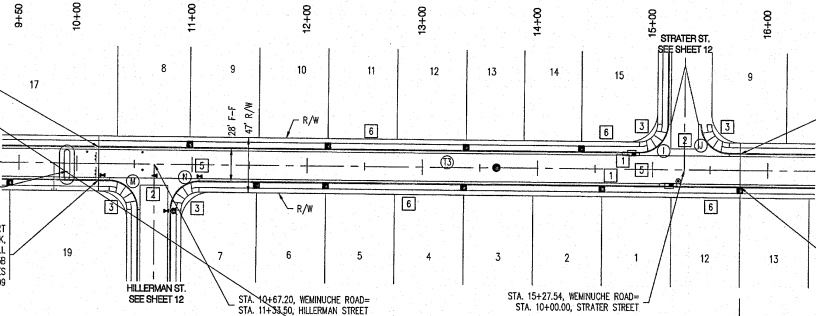
PC	68.64	D = 90'00"00"
1	69.07	R = 25.00'
2	69.56	T = 25.00'
3	69.63	L = 39.27'
PT	70.30	C = 35.36'
PI	68.46	

PC STA. 15+68.54, 14.00' LT  
PT STA. 15+41.54, 39.00' LT  
PI STA. 15+41.54, 14.00' LT  
RAD STA. 15+68.54, 39.00' LT

STA. 10+18.92, 14.00' LT  
END STD. CURB, GUTTER, SIDEWALK,  
AND PAVEMENT AND INSTALL  
CUT-OFF WALL PER STD DWG 2415B  
INSTALL 2-TYPE II BARRICADES  
FL ELEV. = 08.99

STA. 9+35.40, 0.00' RT  
N=1521749.90  
E=1493005.83

STA. 10+18.92, 14.00' RT  
END STD. CURB, GUTTER, SIDEWALK,  
AND PAVEMENT AND INSTALL  
CUT-OFF WALL PER STD DWG 2415B  
INSTALL 2-TYPE II BARRICADES  
FL ELEV. = 08.09

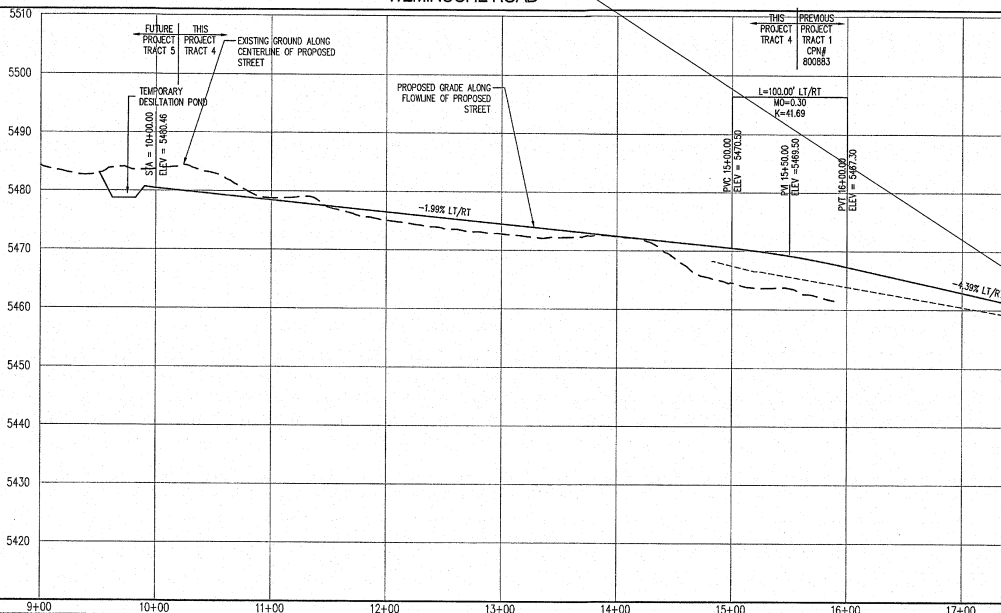
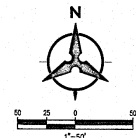


CL Tangent Table

ID	BEARING	LENGTH
13	S89°40'27"E	640.69'

STA. 15+76.00, 14.00' LT  
END STD. CURB, GUTTER, SIDEWALK, AND PAVEMENT  
AND INSTALL CUT-OFF WALL PER STD DWG 2415B  
INSTALL 2 PERMANENT-TYPE II BARRICADES  
FL = 5468.29

STA. 15+76.13, 14.00' RT  
END STD. CURB, GUTTER, SIDEWALK, AND PAVEMENT  
AND INSTALL CUT-OFF WALL PER STD DWG 2415B  
INSTALL 2 PERMANENT-TYPE II BARRICADES  
FL = 5468.26



NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
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11. REMOVAL OF THE EXISTING CURB & GUTTER SHALL BE PER COA STD. DWG. 2415.
12. CURB RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
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14. ALL EXCAVATING, BENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
15. GRATE PER MODIFIED COA STANDARD DWG. 2220 SEE DETAIL ON SHEET 3C

KEYED NOTES

1. STD. CURB & GUTTER PER COA STD. DWG. 2415A
2. INSTALL 6" CONCRETE VALLEY GUTTER PER COA STD. DWG. 2420 & DETAIL SHEET 13
3. BUILD WHEEL CHAIR RAMP PER DETAIL "A" SHEET 13
4. BUILD 4' SIDEWALK PER COA STD. DWG. 2430.
5. PAVEMENT DESIGN SECTION SEE SHEET 13
6. 4' SIDEWALK DEFERRER
7. BUILD 6' SIDEWALK PER COA STD. DWG. 2430.
8. BUILD 8' ASPHALT TRAIL
9. INSTALL 4" CONCRETE VALLEY GUTTER PER COA STD. DWG. 2421
10. MOUNTABLE CURB ROLL TYPER PER COA STD. DWG. 2415A

GENERAL NOTE:  
ALL STORM DRAIN SPAN MANHOLES SHALL BE 4' DIAMETER TYPE "E" AS PER C.O.A. STANDARD DRAWING 2102 UNLESS OTHERWISE NOTED.  
STORM DRAIN LINE TO BE CLASS III ROP UNLESS OTHERWISE NOTED

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DURANGO UNIT 3 & 4  
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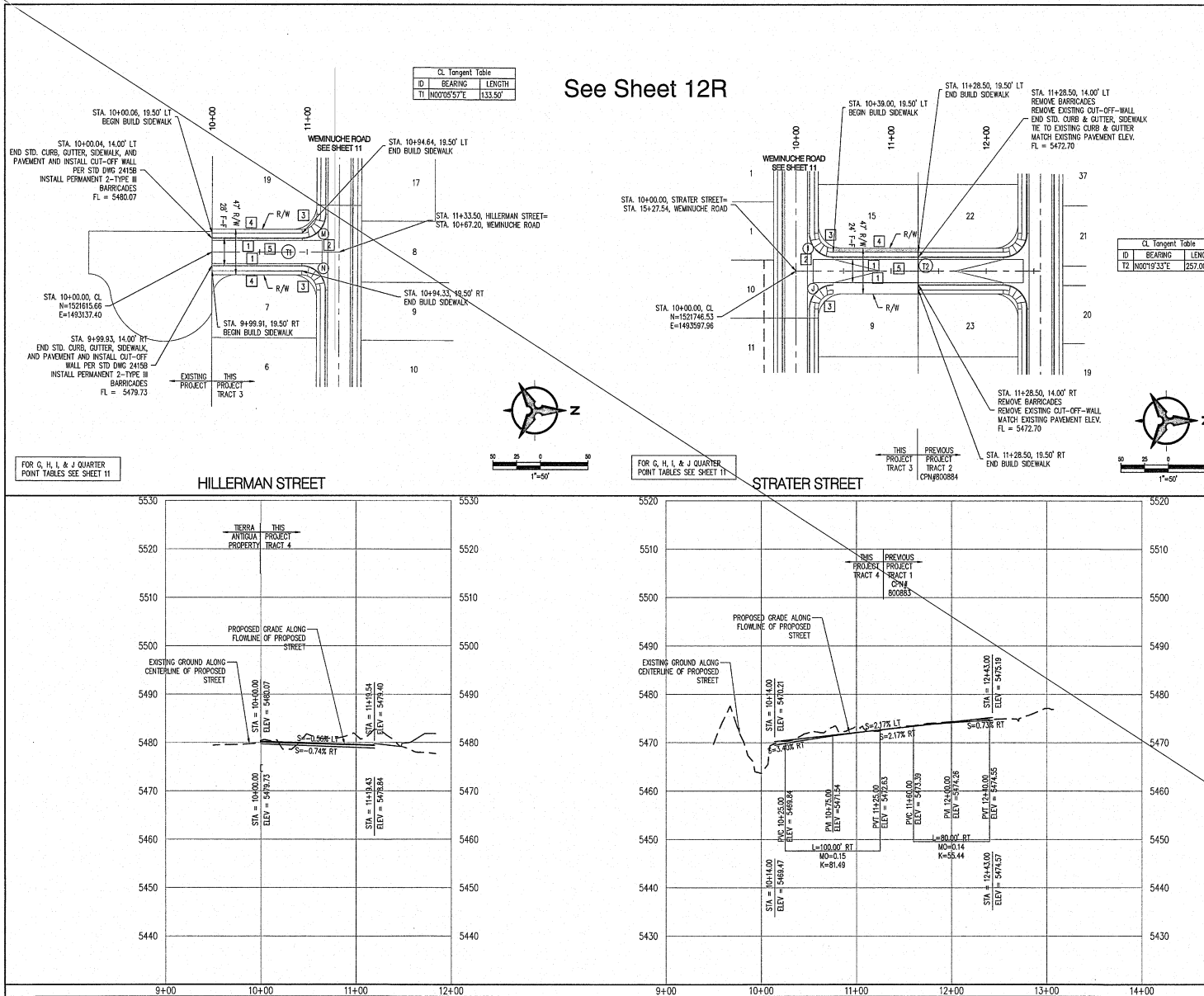
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		DATE 02/2019	DATE 02/2019
		DRAWN BY	CHECKED BY
		YPM	YPM

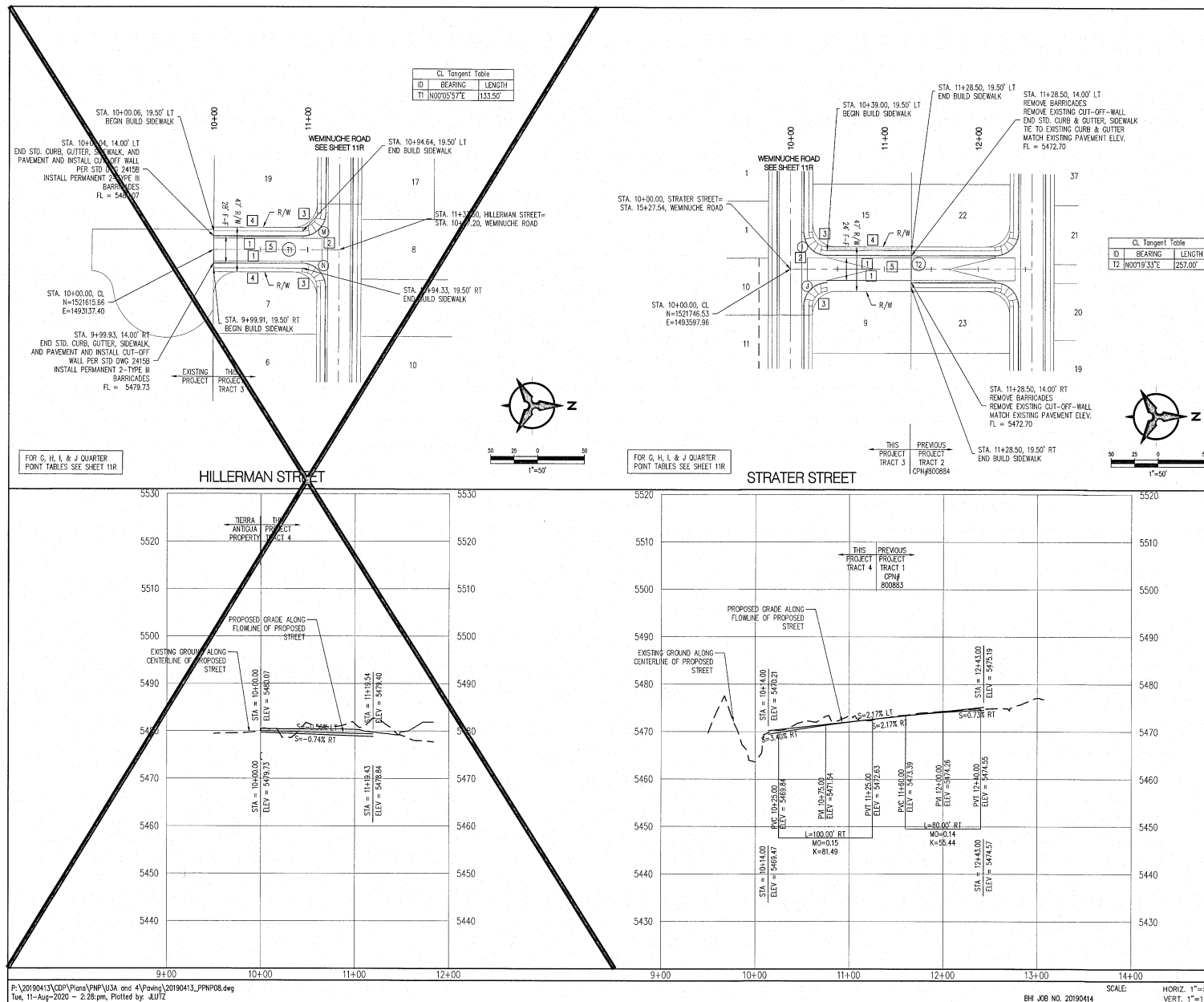
PROJECT NO. 800885  
SHEET 11 OF 25



<b>NOTES</b> 1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES. 2. ALL CURB RETURN RADI SHALL BE 15' UNLESS OTHERWISE SPECIFIED. 3. ALL CURB DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED. 4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWLINE OF CURB UNLESS OTHERWISE SPECIFIED. 5. CONTRACTOR IS TO INSTALL A 4" x 4" POST AND E.M.S. AT THE END OF EACH SANITARY SEWER SERVICE. 6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES. 7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRACES SHALL BE INCIDENTAL TO PAVING ITEMS. 8. CONTRACTOR SHALL PROVIDE THE INSPECTORS (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN. 9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE. 10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE. 11. REMOVAL OF THE EXISTING CURB & GUTTER SHALL BE PER COA STD. DWG. 2415. 12. CURB RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER. 13. RCP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. 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 AFTER CITY APPROVAL. 14. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUPPORT P. 15. GRATE PER MODIFIED COA STANDARD DWG. 2220 SEE DETAIL ON SHEET 5C.		<b>AS-BUILT INFORMATION</b> CONTRACTOR: Sales Brothers, INC. DATE: 11/02/2019 CHECKED BY: [Signature] DATE: 11/02/2019 REVIEWED BY: [Signature] DATE: 11/02/2019 MICRO-FILM INFORMATION RECORDED BY: [Signature] DATE: 11/02/2019											
<b>KEYED NOTES</b> [1] STD. CURB & GUTTER PER COA STD. DWG. 2415A [2] INSTALL 4" CONCRETE VALLEY GUTTER PER COA STD. DWG. 2420 & DETAIL SHEET 13 [3] BUILD WHEEL CHAIR RAMP PER DETAIL 'A' SHEET 13 [4] BUILD 4" SIDEWALK PER COA STD. DWG. 2430. [5] PAVEMENT DESIGN SECTION SEE SHEET 13 [6] 4" SIDEWALK DEFERRED [7] BUILD 6" SIDEWALK PER COA STD. DWG. 2430. [8] BUILD 6" ASPHALT TRAIL [9] INSTALL 4" CONCRETE VALLEY GUTTER PER COA STD. DWG. 2421 [10] MOUNTABLE CURB ROLL TYPER PER COA STD. DWG. 2415A	<b>ENGINEER'S SEAL</b>  BOHANNAN & HUSTON PROFESSIONAL ENGINEERS STATE OF NEW MEXICO												
<b>GENERAL NOTE:</b> ALL STORM DRAIN MANHOLES SHALL BE 4' DIAMETER TYPE 22 AS PER C.O.A. STANDARD DRAWING 2102 UNLESS OTHERWISE NOTED. STORM DRAIN LINE TO BE CLASS II RCP UNLESS OTHERWISE NOTED.	<b>REVISIONS</b> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>11/02/2019</td> <td>YPM</td> <td>DESIGN</td> </tr> <tr> <td>2</td> <td>11/02/2019</td> <td>YPM</td> <td>REVISIONS</td> </tr> </tbody> </table>	NO.	DATE	BY	REMARKS	1	11/02/2019	YPM	DESIGN	2	11/02/2019	YPM	REVISIONS
NO.	DATE	BY	REMARKS										
1	11/02/2019	YPM	DESIGN										
2	11/02/2019	YPM	REVISIONS										
<b>CITY OF ALBUQUERQUE</b> DEPARTMENT OF MUNICIPAL DEVELOPMENT DURANGO UNIT 3 & 4 PAVING PLAN & PROFILE DESIGN REVIEW COMMITTEE: [Signature] CITY ENGINEER APPROVAL: [Signature] DATE: JUNE 02 2020 CITY ENGINEER: [Signature]													

See Sheet 12R







\* NOTE:  
6" WL, 8" WL, 10" WL, & 12" WL TO BE PVC (C-900)

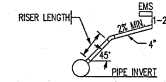
Diagram illustrating the components of a Z-bend: UPPER BEND and LOWER BEND.

FOR CONNECTION	VALVES CLOSE
STRATER ST.	VALVE #211
RED MOUNTAIN RD.	VALVE #205
NOLAS RD.	VALVE #224
WOODMONT AVE.	VALVE 211

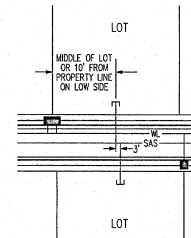
CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF WELL COLLECTORS, TRANSMISSION LINES, OR FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFFS REQUESTS MUST BE MADE ONLINE AT [HTTP://WWW.ABCMIA.ORG/WATER\\_SHUT\\_OFF\\_AND\\_TURN\\_ON\\_PROCEDURES.aspx](http://www.abcmia.org/WATER_SHUT_OFF_AND_TURN_ON_PROCEDURES.aspx)

CONTRACTOR SHALL ASBUILT ALL SANITARY SEWER  
SLOPES ON ASBUILT DRAWINGS

PROPOSED CURB AND GUTTER	
EXISTING CURB AND GUTTER	
FUTURE CURB AND GUTTER	
PROPOSED STORM DRAIN MANHOLE	
EXISTING STORM DRAIN MANHOLE	
PROPOSED SANITARY SEWER MANHOLE	
EXISTING SANITARY SEWER MANHOLE	
PROPOSED FRYE HYDRANT	
PROPOSED GATE VALVE	
EXISTING GATE VALVE	
PROPOSED STORM DRAIN	
PROPOSED SANITARY SEWER	
PROPOSED WATER LINE	
STORM DRAIN INLET	
STORM DRAIN CULVERT	
EXISTING STORM DRAIN	
EXISTING SANITARY SEWER	
EXISTING WATER LINE	






NOT TO SCALE  
(SERVICE CONNECTION INSTALLATION  
TO CONFORM TO C.O.A. STD. DWG. 2125)



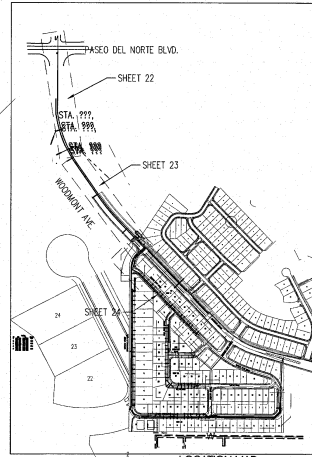
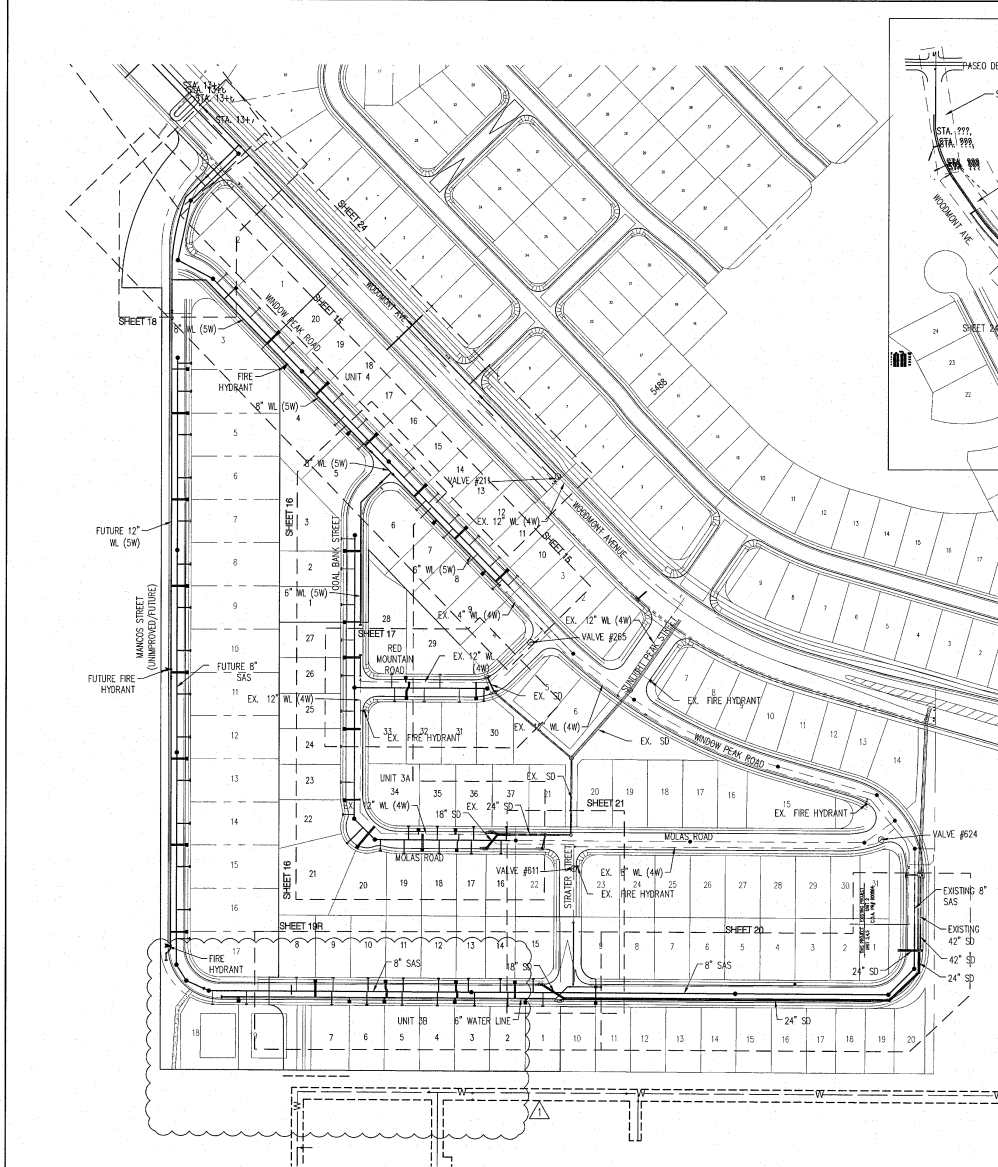
TYPICAL SAS & WATER UTILITY SERVICE LOCATION  
NOT TO SCALE

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 **CITY OF ALBUQUERQUE**  
**DEPARTMENT OF**  
**MUNICIPAL DEVELOPMENT**  
 DURANGO UNIT 3 & 4  
 OVERALL UTILITY PLAN

DESIGN REVIEW COMMITTEE 		CITY ENGINEER APPROVAL 		NO. 01A7716 NO. 01A7716 LAST DESIGN UPDATE 	
CITY PROJECT NO. 800885		ZONE MAP NO. C-09		SHEET 14 OF 25	

See Sheet 14R

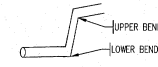


RESTRAINING JOINT TABLE

MECHANICAL JOINTS	LENGTH OF RESTRAINING JOINTS			
	6"	8"	10"	12"
8" x 8" TEE	1	1	1	1
12" x 8" TEE	1	1	1	1
12" x 6" TEE	1	1	1	1
8" x 8" CROSS	1	1	1	1
10" x 10" CROSS	1	1	1	1
8" x 6" REDUCER	23	23	23	23
10" x 8" REDUCER	23	23	23	23
12" x 8" REDUCER	23	23	23	23
12" x 10" REDUCER	23	23	23	23
90° HORIZ. BEND	16	20	24	24
45° HORIZ. BEND	7	9	10	10
22.5° HORIZ. BEND	4	4	5	5
11.25° HORIZ. BEND	2	2	3	3
GATE VALVE/CAP	42	55	66	50
22.5° VERT. BEND (UPPER)	9	11	14	16
22.5° VERT. BEND (LOWER)	3	4	4	5
11.25° VERT. BEND (UPPER)	5	6	7	8
11.25° VERT. BEND (LOWER)	2	2	2	3

\* NOTE: 8" WL, 8" WL, 10" WL, & 12" WL TO BE PVC (C-900)

- NOTE:
1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
  2. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE POINTS WITHIN 20 LF OF MJ SHALL BE RESTRAINED AT THE CONTRACTORS EXPENSE.
  3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ABOVE. (SEE NOTE 2 ABOVE).
  4. THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANT JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.
  5. ALL CAPS SHALL UTILIZE PCC BLOCKING, UNLESS OTHERWISE NOTED.
  6. RESTRAINED LENGTH IS ON LARGE SIDE ON ALL REDUCERS.
  7. RESTRAIN ALL JOINTS BETWEEN UPPER AND LOWER VERTICAL BENDS.



WATER SHUT-OFF PLAN:

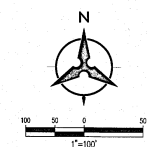
PIPE CONNECTION	VALVE #/11	VALUES CLOSED
STRAIGHT ST.	VALVE #11	
RED MOUNTAIN RD.	VALVE #10	
MOLAS RD.	VALVE #14	
WOODMONT AVE.	VALVE #11	

CONTRACTOR WILL BE RESPONSIBLE FOR FLUSHING, DISINSECTING, AND TESTING THE LINES AS REQUIRED BY THE AECMA.

WATER SHUT-OFF REQUIREMENTS:

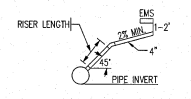
CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF WELL COLLECTORS, TRANSMISSION LINES, OR FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFFS REQUESTS MUST BE MADE ONLINE 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)

CONTRACTOR SHALL ASBUILT ALL SANITARY SEWER SLOPES ON ASBUILT DRAWINGS



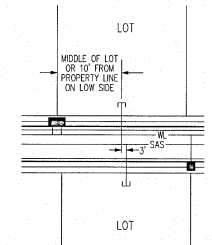
LEGEND

PROPOSED CURB AND GUTTER	---
EXISTING CURB AND GUTTER	---
FUTURE CURB AND GUTTER	---
PROPOSED STORM DRAIN MANHOLE	○
EXISTING STORM DRAIN MANHOLE	○
PROPOSED SANITARY SEWER MANHOLE	●
EXISTING SANITARY SEWER MANHOLE	●
PROPOSED FIRE HYDRANT	⊙
PROPOSED GATE VALVE	⊗
EXISTING GATE VALVE	⊗
PROPOSED STORM DRAIN	SD
PROPOSED SANITARY SEWER	SAS
PROPOSED WATER LINE	W
STORM DRAIN INLET	SD
STORM DRAIN CULVERT	SD
EXISTING STORM DRAIN	SD
EXISTING SANITARY SEWER	SAS
EXISTING WATER LINE	W



SERVICE RISER DETAIL

NOT TO SCALE  
(SERVICE CONNECTION INSTALLATION TO CONFORM TO C.O.A. STD. DWG. 2125)



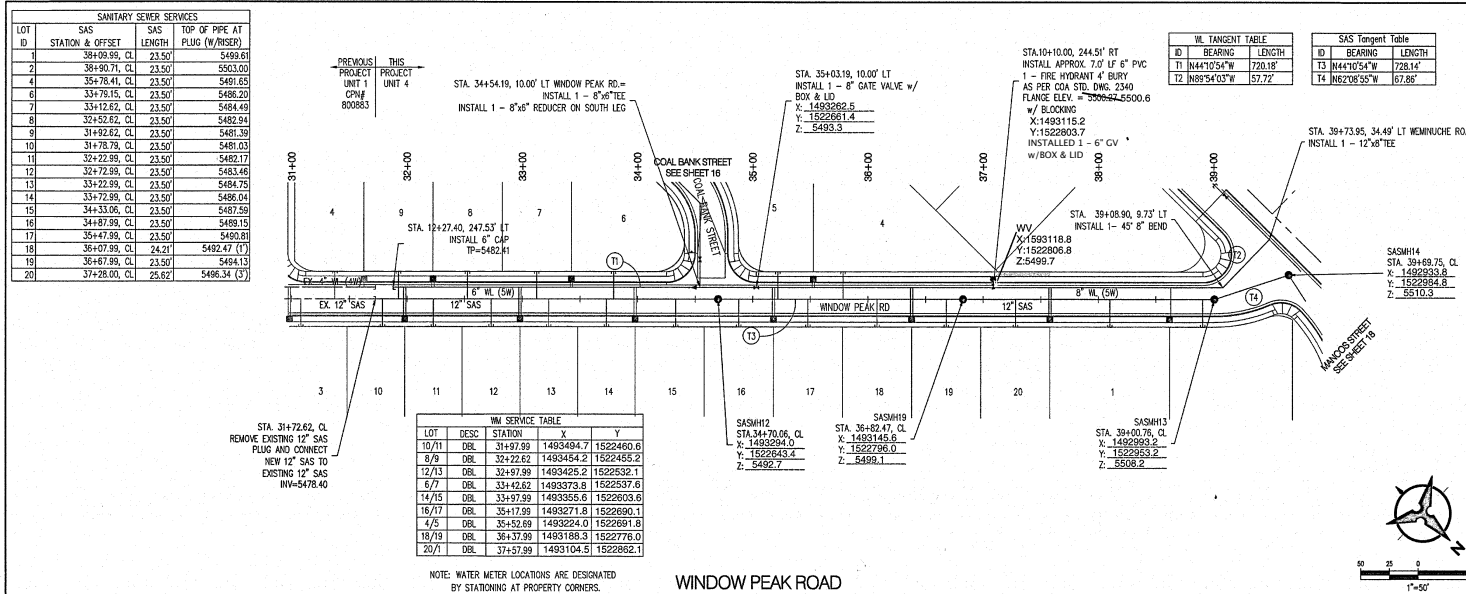
TYPICAL SAS & WATER UTILITY SERVICE LOCATION  
NOT TO SCALE

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**CITY OF ALBUQUERQUE**  
DEPARTMENT OF MUNICIPAL DEVELOPMENT

DURANGO UNIT 3 & 4  
OVERALL UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	NO./DATE/7K	NO./DATE/7K
APPROVED Sept. 10, 2020 DESIGN REVIEW COMMITTEE	APPROVED Sept. 10, 2020 CITY ENGINEER		
SHEET 14R OF 25		PROJECT NO. 800885	



NOTES

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- ALL CURB RETURN RADI SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
- ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
- GRADE ELEVATIONS, WHERE NOTED, ARE ALONG FLOWLINE OF CURB UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR IS TO INSTALL A 4" x 4" x 5' POST AND EXIS AT THE END OF EACH SANITARY SEWER SERVICE.
- CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
- ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
- CONTRACTOR SHALL PROVIDE THE INSPECTORS, (ABQMA AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
- CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
- ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER STD. DWG. 2415A.
- WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
- ROP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. 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. JOINTS SHALL NOT BE GROUDED UNLESS DIRECTED BY THE ENGINEER AFTER CITY APPROVAL.
- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE COMPLETED IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
- ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, 1985 EDITION AS REVISED THROUGH UPDATE #2.
- AT UTILITY CROSSINGS WHERE LESS THAN 1.5 FOOT OF SEPARATION FROM STORM DRAIN PIPE OR MANHOLE IS PRESENT LEAN FILL IS TO BE USED 1) FOR A DISTANCE OF 5 FEET ON EACH SIDE OF THE 30" FROM TOP OF STORM DRAIN TO BOTTOM OF SANITARY SEWER OR WATER LINE OR 2) FOR 10 FEET ALONG SANITARY SEWER OR WATER LINE CENTERED ON THE MANHOLE WITH DEPTH EQUAL TO 2X SEWER OR WATER LINE DIAMETER.

**GENERAL NOTE:**

ALL SANITARY SEWER MANHOLES SHALL BE 4' DIAMETER TYPE "E" AS PER C.O.A. STANDARD DRAWING 2101 UNLESS OTHERWISE NOTED.

SAS LINE TO BE PVC (30"-36")  
WATER LINE TO BE C900-PVC (OR-18")  
ALL WATER METERS 3/4" (UNLESS OTHERWISE NOTED)

ALL VALVES AND BENDS TO BE RESTRAINED WITH RESTRANING JOINT UNLESS OTHERWISE NOTED.  
REFER TO SHEET 14 FOR TABLE

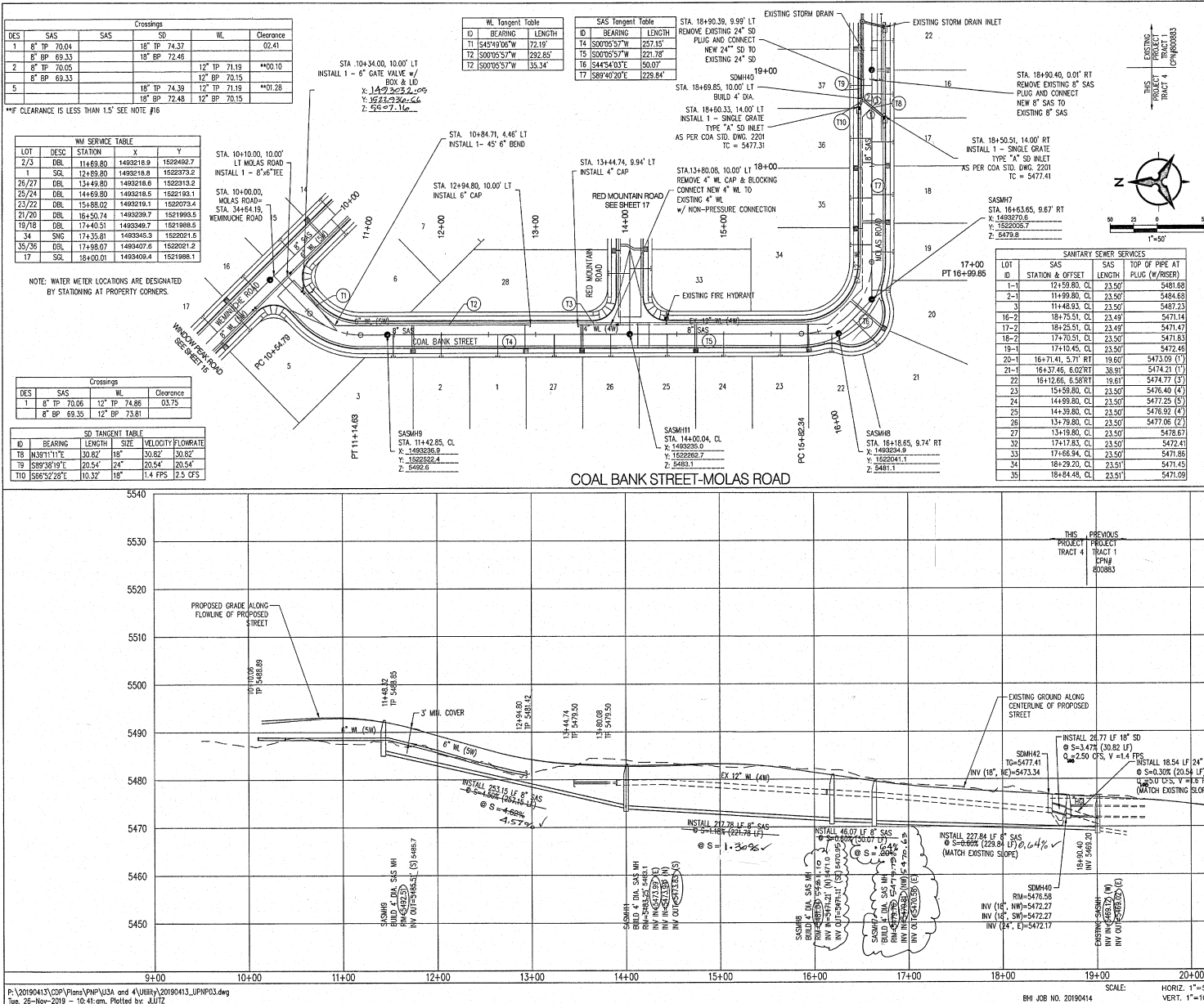
ITEM	PER STD. DWG.
VALVES	2328 & 2328
MANHOLES	2101 & 2102
DROP MANHOLE	2116
WATER SERVICE	2361, 2362 & 2368
SAS SERVICE	2125
TRACER WIRE	2190, 2191, 2302, 2365, 2342

VISIT [http://www.dconus.org/for\\_Builders.aspx](http://www.dconus.org/for_Builders.aspx) FOR STANDARD DRAWINGS

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**CITY OF ALBUQUERQUE**  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
DURANGO UNIT 3 & 4  
UTILITY PLAN & PROFILE

DESIGN REVIEW COMMITTEE JUN 02 2020 CITY ENGINEER	CITY ENGINEER APPROVAL JUN 02 2020 CITY ENGINEER	NO. 2472/R	NO. 2472/R
---	--	------------	------------



### NOTES

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- ALL CURB RETURN RADI SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
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- GRADE ELEVATIONS, WHERE NOTED, ARE ALONG FLOWLINE OF CURB UNLESS OTHERWISE SPECIFIED.
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- CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
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- AT UTILITY CROSSINGS WHERE LESS THAN 1.0 FEET OF SEPARATION FROM STORM DRAIN PIPE OR MANHOLE IS PRESENT LEAN FILL IS TO BE USED. FOR A DISTANCE OF 5 FEET ON EACH SIDE OF THE 50' FROM TOP OF STORM DRAIN TO BOTTOM OF SANITARY SEWER OR WATER LINE OR 5' FOR 10 FEET ALONG SANITARY SEWER OR WATER LINE CENTERED ON THE MANHOLE WITH DEPTH EQUAL TO 2X SEWER OR WATER LINE DIAMETER.

**GENERAL NOTE:**

ALL SANITARY SEWER MANHOLES SHALL BE 4' DIAMETER TYPE "E" AS PER C.O.A. STANDARD DRAWING 2101 UNLESS OTHERWISE NOTED.

SAS LINE TO BE PVC (SDR-35) WATER LINE TO BE C900-PVC (DR-18) ALL WATER METERS 3/4" (UNLESS OTHERWISE NOTED)

ALL VALVES AND BENDS TO BE RESTRAINED WITH RESTRAINING JOINT UNLESS OTHERWISE NOTED. REFER TO SHEET 14 FOR TABLE.

ITEMS	PER STD. DWG.
VALVES	2326 & 2328
MANHOLES	2101 & 2102
DROP MANHOLE	2116
WATER SERVICE	2361, 2362 & 2368
SAS SERVICE	2125
TRACER WIRE	2190, 2191, 2302, 2365, 2362

NOTE: [http://www.abqwater.org/for\\_builders.aspx](http://www.abqwater.org/for_builders.aspx) FOR STANDARD DRAWINGS

### TABLES

DES	SAS	W.L.	Clearance
1	8" TP 70.04	12" TP 74.86	03.75
2	8" BP 69.33	12" BP 73.81	

ID	BEARING	LENGTH	SIZE	VELOCITY	FLOWRATE
18	N30°11'11"E	30.82'	18"	30.82'	30.82'
19	S89°38'19"E	20.54'	24"	20.54'	20.54'
210	S66°32'28"E	10.33'	18"	11.4 FPS	12.5 CFS

ID	BEARING	LENGTH
11	S45°49'06"W	72.19'
12	S00°05'57"W	292.85'
13	S00°05'57"W	135.34'

ID	BEARING	LENGTH
14	S00°05'57"W	257.15'
15	S00°05'57"W	221.78'
16	S44°54'03"E	50.07'
17	S89°40'20"E	228.84'

LOT	SAS	SAS	TOP OF PIPE AT
STATION & OFFSET	LENGTH	PLUG (W/ROSER)	
1-1	12+59.80, CL	23.50'	5481.68
2-1	11+99.80, CL	23.50'	5484.68
3-1	11+48.93, CL	23.50'	5487.23
16-2	18+75.51, CL	23.49'	5471.14
17-2	18+25.51, CL	23.49'	5471.47
18-2	17+30.51, CL	23.50'	5471.83
19-1	17+10.45, CL	23.50'	5472.46
20-1	16+71.41, 5.71' RT	19.60'	5473.09 (1')
21-1	16+37.46, 6.02' RT	38.91'	5474.21 (1')
22	16+12.66, 6.58' RT	19.61'	5474.77 (3')
23	15+59.80, CL	23.50'	5476.40 (4')
24	14+99.80, CL	23.50'	5477.25 (5')
25	14+39.80, CL	23.50'	5476.92 (4')
26	13+79.80, CL	23.50'	5477.06 (2')
27	13+19.80, CL	23.50'	5478.67
32	17+17.83, CL	23.50'	5472.41
33	17+46.94, CL	23.50'	5471.86
34	16+29.20, CL	23.51'	5471.45
35	18+84.48, CL	23.51'	5471.09

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**CITY OF ALBUQUERQUE**  
DEPARTMENT OF  
MUNICIPAL DEVELOPMENT

DURANGO UNIT 3 & 4  
UTILITY PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO. DATE	MO. DATE
CEC 17 2019	APPROVED	JUNE 02 2020	

DESIGNED BY: YPM  
DRAWN BY: AR  
CHECKED BY: YPM

DATE: 02/02/2019  
DATE: 02/02/2019

# RECORD DRAWING

Crossings			
DES	SAS	ML	Clearance
1	8" TP 74.71	12" TP 78.84	04.08
	8" BP 74.00	12" BP 78.80	

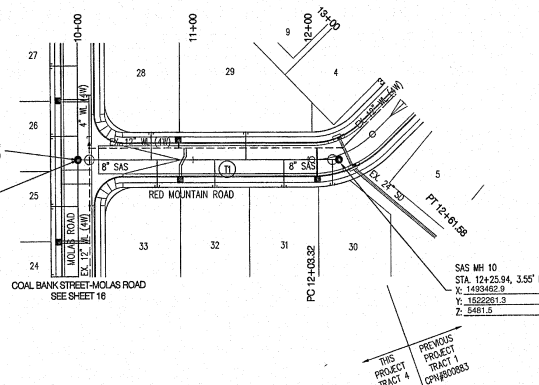
WM SERVICE TABLE				
LOT	DESC	STATION	X	Y
22/29	DBL	10+88.22	1483329.0	1622578.7
32/33	DBL	10+88.25	1483329.8	1622246.6
30/31	DBL	12+07.61	1484443.2	1622246.2

NOTE: WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY CORNERS.

SANITARY SEWER SERVICES				
LOT	SAS	SAS	TOP OF PIPE AT	
ID	STATION & OFFSET	LENGTH	PLUG (W/RISER)	
26	10+63.63, 0.03 LT	23.47	5476.32 (1)	
27	11+45.77, 0.01 LT	23.49	5476.83 (1)	
28	12+20.71, 2.06 RT	21.92	5475.20 (1)	
29	11+78.96, CL	23.51	5475.40 (1)	
30	11+18.95, 0.02 LT	23.52	5475.99 (1)	
31	10+68.82, 0.03 LT	23.53	5476.29 (1)	

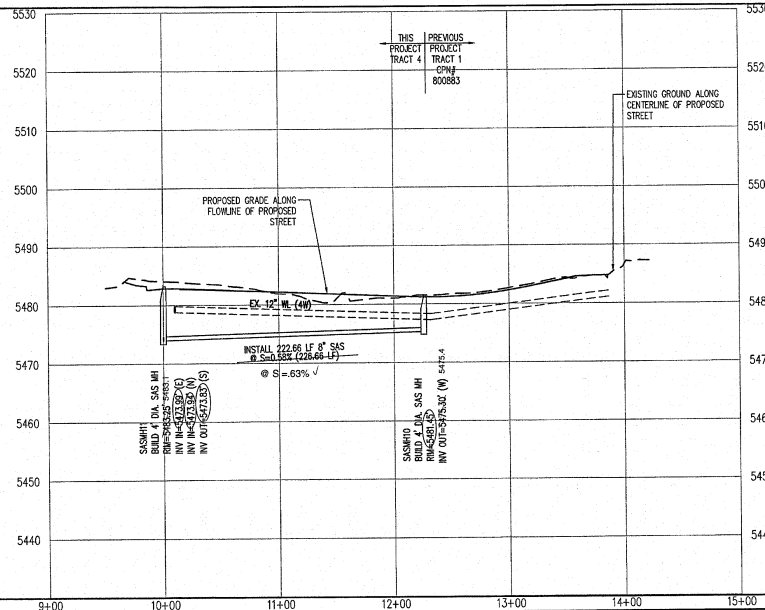
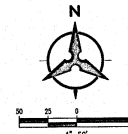
STA. 10+00.00, RED MOUNTAIN ROAD  
STA. 14+00.00, MOLAS ROAD

SAS MH 11  
STA. 10+00.00, 0.04' LT  
X: 1483329.0  
Y: 1622246.7  
Z: 5480.1



SAS Tangent Table	
ID	BEARING
1	N89°36'50"W
	226.66'

RED MOUNTAIN ROAD



- ### NOTES
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  - ALL CURB RETURN RADI SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
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  - ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
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  - AT UTILITY CROSSINGS WHERE LESS THAN 1.5 FOOT OF SEPARATION FROM STORM DRAIN PIPE OR MANHOLE IS PRESENT LEAN FILL IS TO BE USED 1) FOR A DISTANCE OF 5 FEET ON EACH SIDE OF THE SD & FROM TOP OF STORM DRAIN TO BOTTOM OF SANITARY SEWER OR WATER LINE OR 2) FOR 10 FEET ALONG SANITARY SEWER OR WATER LINE CENTERED ON THE MANHOLE WITH DEPTH EQUAL TO 2X SEWER OR WATER LINE DIAMETER.

### GENERAL NOTE:

ALL SANITARY SEWER MANHOLES SHALL BE 4' DIAMETER TYPE "N" AS PER C.O.A. STANDARD DRAWING 2101 UNLESS OTHERWISE NOTED.  
SAS LINE TO BE PVC (SDR-35)  
WATER LINE TO BE C900-PVC (DR-18)  
ALL WATER METERS 3/4" (UNLESS OTHERWISE NOTED)  
ALL VALVES AND BENDS TO BE RESTRAINED WITH RESTRAINING JOINT UNLESS OTHERWISE NOTED  
REFER TO SHEET 14 FOR TABLE

VALUES	PER STD. DWG.
MANHOLES	PER STD. DWG. 2326 & 2328
DROP MANHOLE	PER STD. DWG. 2101 & 2102
WATER SERVICE	PER STD. DWG. 2361, 2362 & 2368
SAS SERVICE	PER STD. DWG. 2125
TRACER WIRE	PER STD. DWG. 2190, 2191, 2302, 2365, 2340

Visit [http://www.dcbw.org/for\\_builders.aspx](http://www.dcbw.org/for_builders.aspx) FOR STANDARD DRAWINGS

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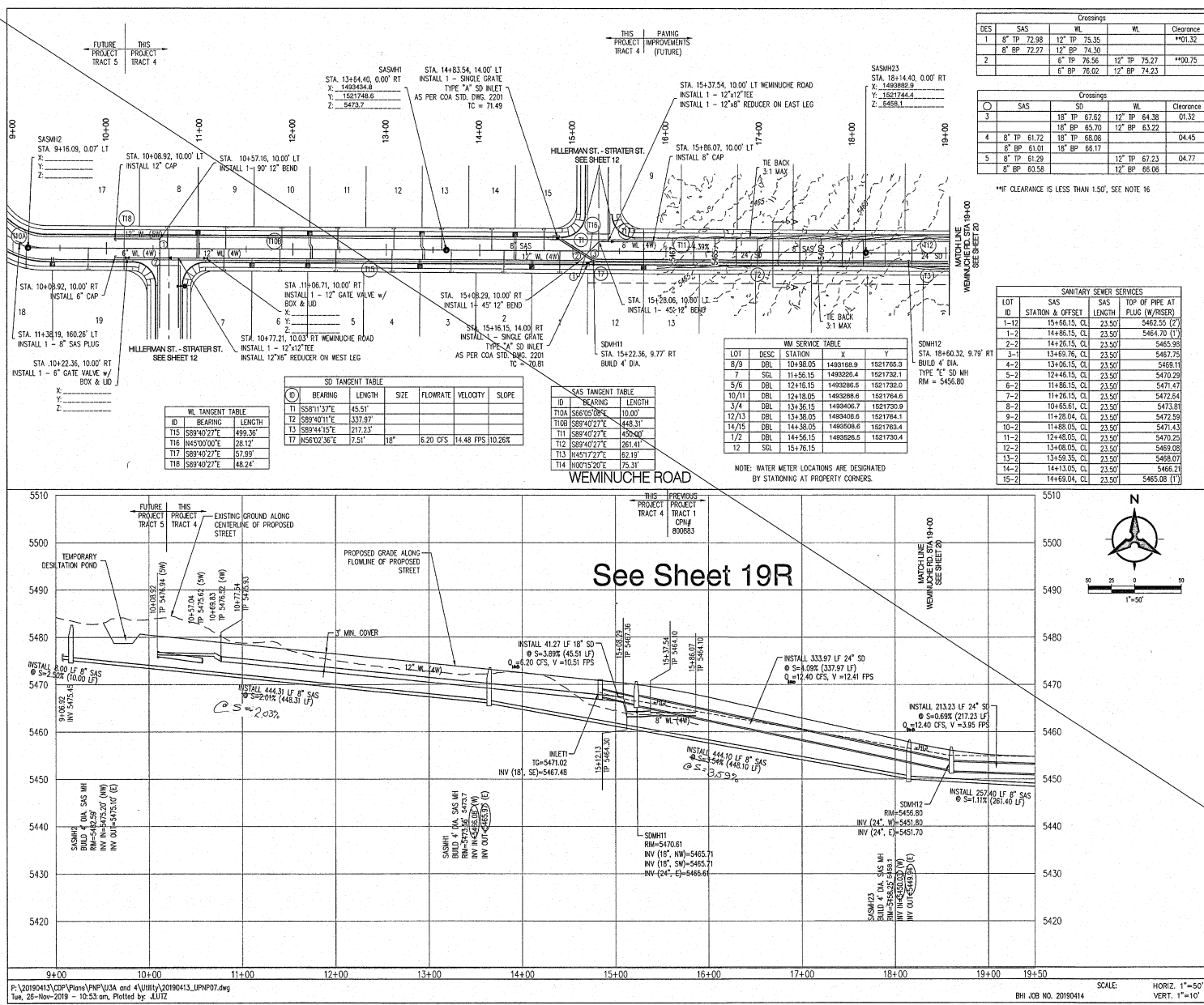
**CITY OF ALBUQUERQUE**  
DEPARTMENT OF  
MUNICIPAL DEVELOPMENT  
DURANGO UNIT 3 & 4  
UTILITY PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	NO. DATE/HR.	NO. DATE/HR.
 LEC 17 2019 JUNE 02 2020 DESIGN REVIEW COMMITTEE	 APPROVER JUNE 02 2020 CITY ENGINEER		

DESIGNED BY	DRAWN BY	CHECKED BY	DATE
YPM	AK	YPM	06/02/2019

ZONE MAP NO.	SHEET	OF
C-09	17	25





**NOTES**

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**GENERAL NOTE:**

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SAS LINE TO BE PVC (SD-35) WATER LINE TO BE C900-PVC (DR-18). ALL WATER METERS 3/4" (UNLESS OTHERWISE NOTED)

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**VALUES PER STD. DWG. 2306 & 2308**

MANHOLES	PER STD. DWG. 2101 & 2102
DROP MANHOLE	PER STD. DWG. 2116
WATER SERVICE	PER STD. DWG. 2361, 2362 & 2368
SAS SERVICE	PER STD. DWG. 2125
TRACER WIRE	PER STD. DWG. 2190, 2191, 2302, 2365, 2342

VISIT <http://www.abqwater.org/for-builders.aspx> FOR STANDARD DRAININGS

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**CITY OF ALBUQUERQUE**  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
DURANGO UNIT 3 & 4  
UTILITY PLAN & PROFILE

**DESIGN REVIEW COMMITTEE**  
DEC 17 2019

**CITY ENGINEER APPROVAL**  
JUNE 02 2020

**DESIGN REVIEW COMMITTEE**

**REVISIONS**

NO.	DATE	BY	REVISION
1	06/02/2019	PM	DESIGNED
2	06/02/2019	AR	DRAWN
3	06/02/2019	PM	CHECKED

**AS-BUILT INFORMATION**

NO.	DATE	BY	REVISION
1	06/02/2019	PM	DESIGNED
2	06/02/2019	AR	DRAWN
3	06/02/2019	PM	CHECKED

**ENGINEER'S SEAL**

**BOHANNAN & HUSTON**  
Professional Engineer  
No. 12345  
State of New Mexico

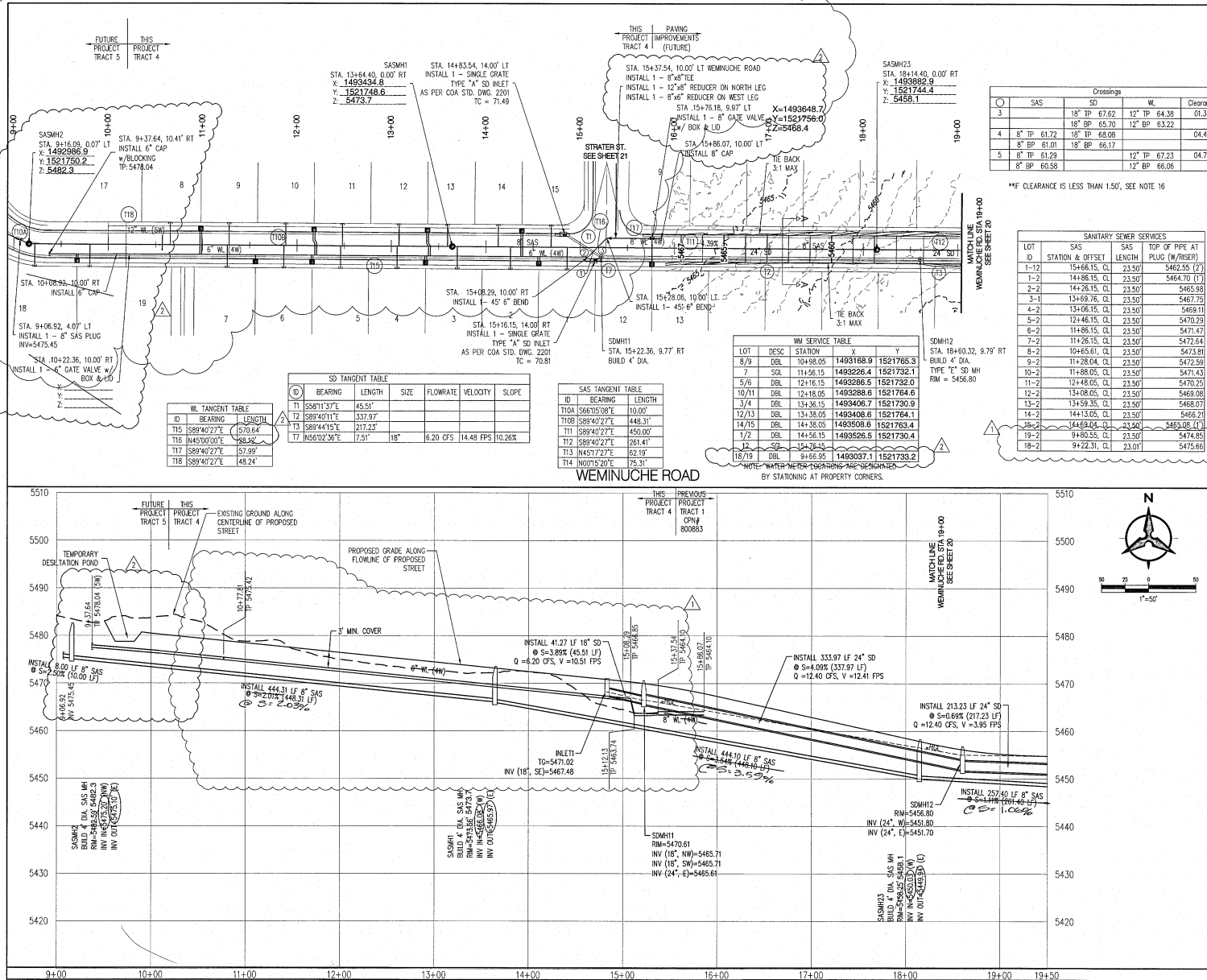
**SCALE:** HORIZ. 1"=50' VERT. 1"=10'

**DATE:** 06/02/2019

**PROJECT NO.:** 800885

**ZONE MAP NO.:** C-09

**SHEET:** 19 OF 25



NOTES

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SAS LINE TO BE PVC (309-36) WATER LINE TO BE C900-PVC (18-18) ALL WATER METERS 3/4" (UNLESS OTHERWISE NOTED)

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VALVES	PER STD. DWG. 2326 & 2328
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DROP MANHOLE	PER STD. DWG. 2116
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SAS SERVICE	PER STD. DWG. 2125
TRACER WIRE	PER STD. DWG. 2190, 2191, 2302, 2365, 2342

VISIT [http://www.abqwa.org/For\\_Builders.aspx](http://www.abqwa.org/For_Builders.aspx) FOR STANDARD DRAWINGS

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**CITY OF ALBUQUERQUE**  
DEPARTMENT OF  
MUNICIPAL DEVELOPMENT

DURANGO UNIT 3 & 4  
UTILITY PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	NO. DATE	NO. DATE
APPROVED Sept. 10, 2020 DESIGN REVIEW COMMITTEE	APPROVED Sept. 10, 2020 CITY ENGINEER		

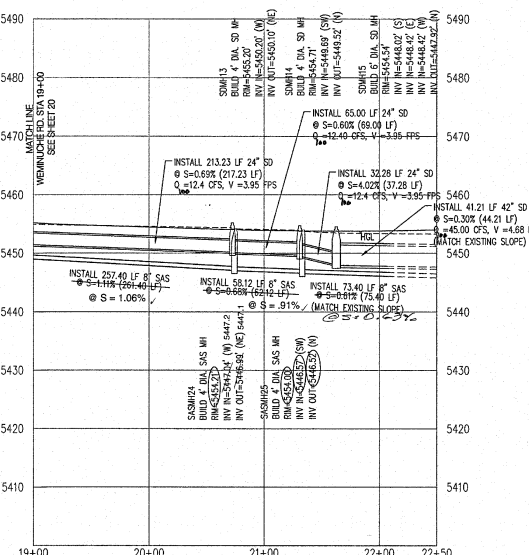
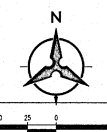
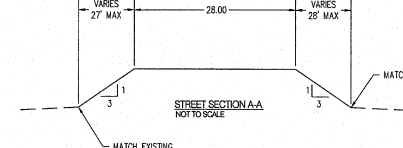
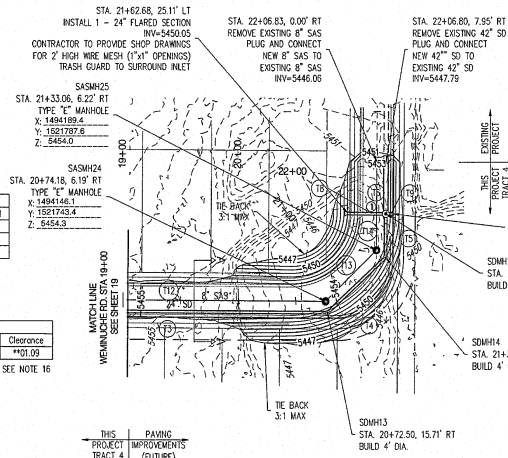
# RECORD DRAWING

SD TANGENT TABLE					
ID	BEARING	LENGTH	SIZE	FLOWRATE	VELOCITY
T3	S89°44'15"E	217.23			
T4	N40°29'13"E	69.00			
T5	N00°14'05"E	37.28			
T6	N00°14'05"E	44.24			
T7	N50°02'36"E	7.51			
T8	S89°43'22"E	26.00			
T9	S89°43'22"E	26.00			
T10	S89°43'22"E	33.06	24"	16.30 CFS	5.19 FPS
T11	S89°43'22"E	6.04	24"	16.30 CFS	5.19 FPS

SAS TANGENT TABLE			
ID	BEARING	LENGTH	Clearance
T12	S89°40'22"E	261.41	
T13	N45°17'27"E	62.19	
T14	N00°15'20"E	75.31	

Crossings			
DES	SAS	SD	Clearance
①	8" TP 47.02	24" BP 48.12	**01.09

\*\*P CLEARANCE IS LESS THAN 1.50', SEE NOTE 16



### NOTES

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REFER TO SHEET 14 FOR TABLE

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DURANGO UNIT 3 & 4  
UTILITY PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	NO. DATE	REVISIONS
CEC 17 2019	APPROVED JUNE 02 2020 CITY ENGINEER		

DESIGNED BY	DRAWN BY	DATE	DATE	DATE
YPM	AR	02/02/2019	02/02/2019	02/02/2019

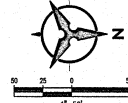
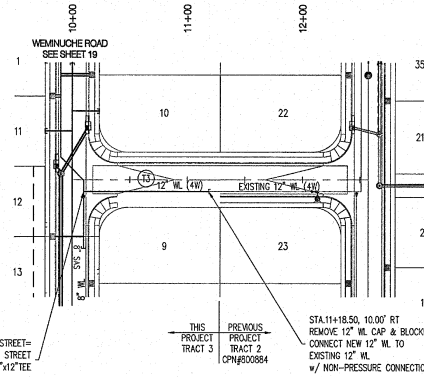
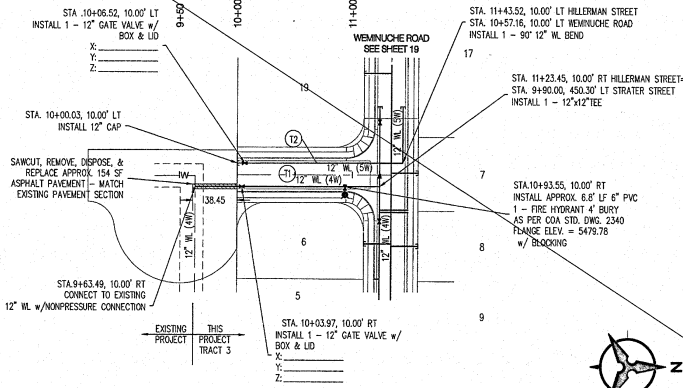
DESIGNED BY: YPM  
DRAWN BY: AR  
DATE: 02/02/2019  
DATE: 02/02/2019  
DATE: 02/02/2019

P:\20190413\CDP\Plans\PHF\USA and 4\UWH\20190413\_UH\PH09.dwg  
Tue, 26-Nov-2019 - 10:58 am, Plotted by: ALUTZ

B# JOB NO. 20190414 SCALE: HORIZ. 1"=50' VERT. 1"=10' CITY PROJECT NO. 800885 ZONE MAP NO. C-09 SHEET 20 OF 25

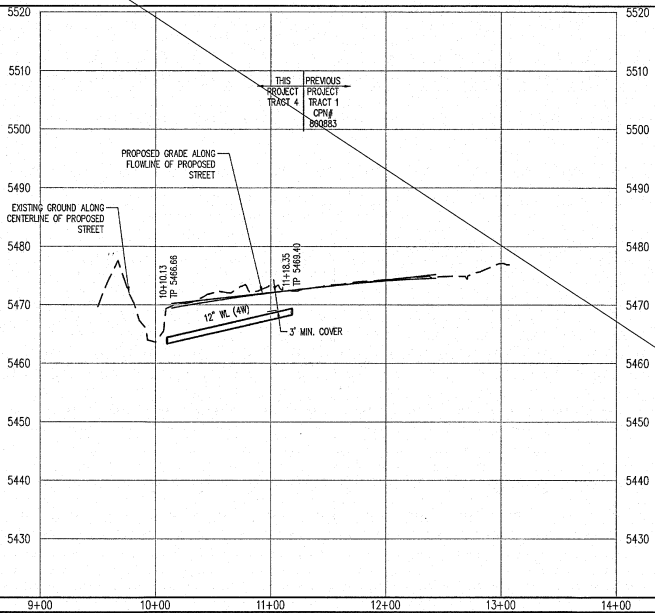
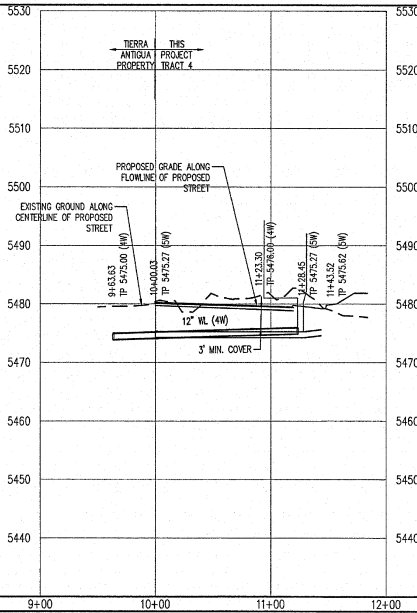
See Sheet 21R

ID	BEARING	LENGTH
T1	N00°05'37"E	159.96
T2	N00°09'37"E	143.49
T3	N00°19'33"E	108.50



HILLERMAN STREET

STRATER STREET



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  - REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER C.O.A. STD. DWG. 2415A.
  - WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
  - ROP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. 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. ROP JOINTS SHALL NOT BE GROUDED UNLESS DIRECTED BY THE ENGINEER AFTER CITY APPROVAL.
  - ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
  - ELECTRONIC MARKER SPHERES (EKS) WILL BE PLACED ACCORDING TO SECTION 710 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #1.
  - AT UTILITY CROSSINGS WHERE LESS THAN 1.5 FEET OF SEPARATION FROM STORM DRAIN PIPE OR MANHOLE IS PRESENT LEAN FILL IS TO BE USED. 1) FOR A DISTANCE OF 5 FEET ON EACH SIDE OF THE 30\"/>

**GENERAL NOTE:**

ALL SANITARY SEWER MANHOLES SHALL BE 4' DIAMETER TYPE "E" AS PER C.O.A. STANDARD DRAWING 2101 UNLESS OTHERWISE NOTED.

SAS LINE TO BE PVC (SDR-35) WATER LINE TO BE C900-PVC (OR-18) ALL WATER METERS 3/4" (UNLESS OTHERWISE NOTED)

ALL VALVES AND BENDS TO BE RESTRAINED WITH RESTRAINING JOINT UNLESS OTHERWISE NOTED. RETIE TO SHEET 14 FOR TABLE

VALVES	PER STD. DWG. 2328 & 2328
MANHOLES	PER STD. DWG. 2101 & 2102
DROP MANHOLE	PER STD. DWG. 2116
WATER SERVICE	PER STD. DWG. 2361, 2362 & 2368
SAS SERVICE	PER STD. DWG. 2125
TRACER WIRE	PER STD. DWG. 2190, 2191, 2302, 2305, 2342

VISIT [http://www.dcoinc.org/For\\_Builders.aspx](http://www.dcoinc.org/For_Builders.aspx) FOR STANDARD DRAWINGS

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DURANGO UNIT 3 & 4  
UTILITY PLAN & PROFILE

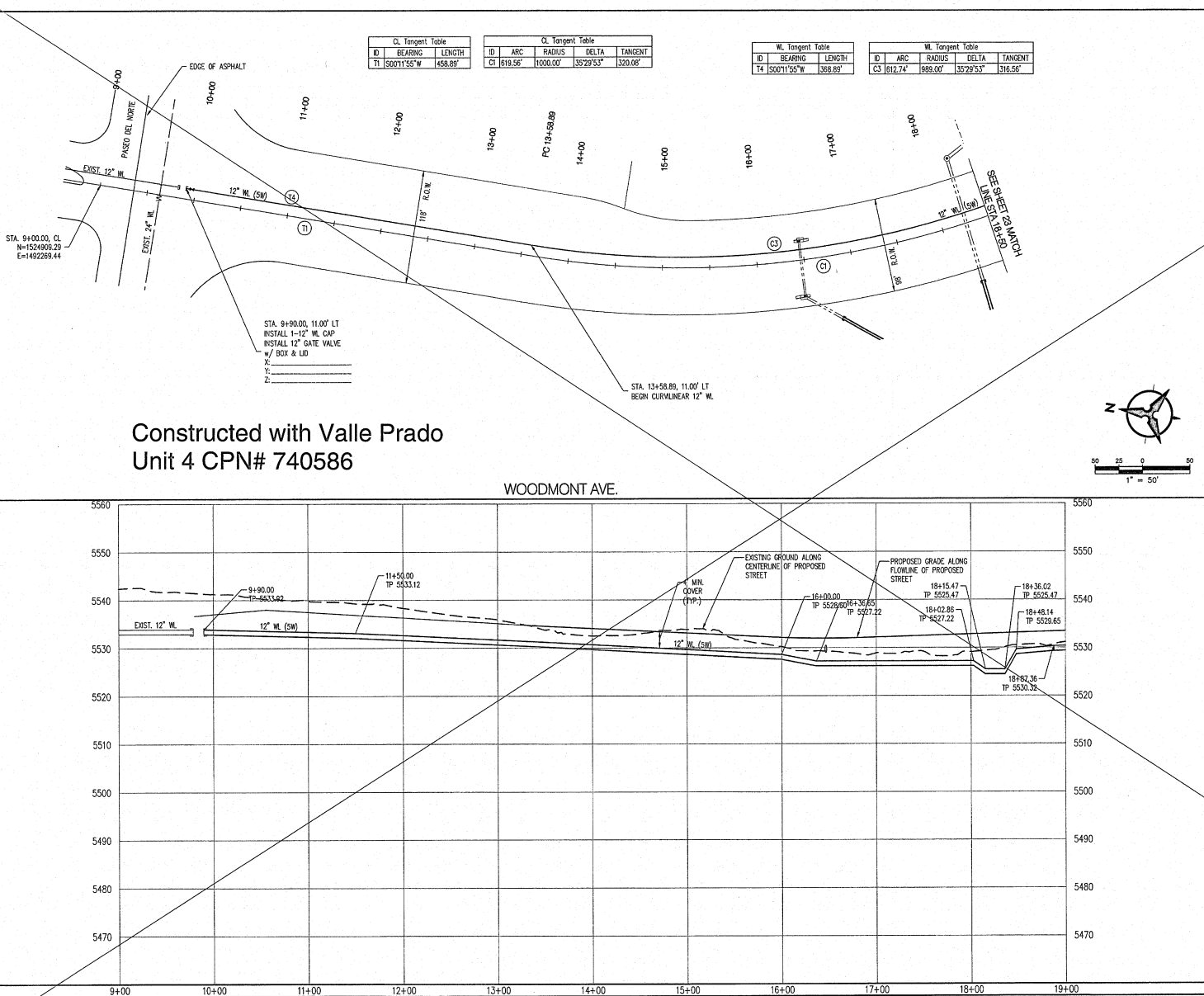
DESIGN REVIEW COMMITTEE DEC 17 2019 REVIEW COMMITTEE	CITY ENGINEER APPROVAL JUNE 02 2020 CITY ENGINEER	NO. 2019/20	NO. 2019/20
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PROJECT NO. 800885	ZONE MAP NO. C-09	SHEET 21	OF 25
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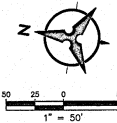
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- SAS LINE TO BE PVC (SOR-35)
- WATER LINE TO BE C900-PVC (OR-18)
- ALL WATER METERS 3/4" (UNLESS OTHERWISE NOTED)
- ALL VALVES AND BENDS TO BE RESTRAINED WITH RESTRAINING JOINT UNLESS OTHERWISE NOTED.
- REFER TO SHEET 14R FOR TABLE
- |               |  |
|---------------|--|
| VALVES        | PER STD. DWG. 2326 & 2328                  |
| DRIP          | PER STD. DWG. 2101 & 2102                  |
| SNOW MANHOLE  | PER STD. DWG. 2116                         |
| TRUCK SERVICE | PER STD. DWG. 2342, 2362 & 2368            |
| SAS SERVICE   | PER STD. DWG. 2125                         |
| TRACER WIRE   | PER STD. DWG. 2190, 2191, 2302, 2365, 2342 |
- VISIT [http://www.abcwu.org/for\\_builders.aspx](http://www.abcwu.org/for_builders.aspx) FOR STANDARD DRAWINGS
- Bohannon**  **Huston**
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	<b>CITY OF ALBUQUERQUE</b> <b>DEPARTMENT OF</b> <b>MUNICIPAL DEVELOPMENT</b>			
	<b>DURANGO UNIT 3 &amp; 4</b> <b>UTILITY PLAN &amp; PROFILE</b>			
	DESIGN REVIEW COMMITTEE <div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>APPROVED</b>          Sept. 10, 2020          DESIGN REVIEW COMMITTEE       </div>	CITY ENGINEER APPROVAL <div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>APPROVED</b>          Sept. 10, 2020          CITY ENGINEER       </div>	MUNICIPALITY <div style="border: 1px solid black; height: 40px;"></div>	COUNTY <div style="border: 1px solid black; height: 40px;"></div>
CITY PROJECT NO. <span style="float: right;">800885</span>		ZONE MAP NO. <span style="float: right;">C-09</span>	SHEET <span style="float: right;">21R</span> OF <span style="float: right;">25</span>	



Constructed with Valle Prado  
Unit 4 CPN# 740586

WOODMONT AVE.



1" = 50'

SCALE: HORIZ. 1"=50'  
VERT. 1"=10'

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
  2. ALL CURB RETURN RADI SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
  3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
  4. GRADE ELEVATIONS, WHERE NOTED, ARE ALONG FLOWLINE OF CURB UNLESS OTHERWISE SPECIFIED.
  5. CONTRACTOR IS TO INSTALL A 4" X 4" X 5' POST AND EXS AT THE END OF EACH SANITARY SEWER SERVICE.
  6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
  7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
  8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (ABQMA AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
  9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
  10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
  11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER C.O.A. STD. DWS. 2415A.
  12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
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- GENERAL NOTE:  
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WATER LINE TO BE CS90-PVC (DR-18)  
ALL WATER METERS 3/4" (UNLESS OTHERWISE NOTED)  
ALL VALVES AND BENDS TO BE RESTRAINED WITH RESTRAINING JOINT UNLESS OTHERWISE NOTED.  
REFER TO SHEET 14 FOR TABLE

VALVES	PER STD. DWS. 2336 & 2338
MANHOLES	PER STD. DWS. 2101 & 2102
DROP MANHOLE	PER STD. DWS. 2116
WATER SERVICE	PER STD. DWS. 2361, 2362 & 2368
SAS SERVICE	PER STD. DWS. 2125
TRACER WIRE	PER STD. DWS. 2160, 2161, 2302, 2365, 2362

VISIT [http://www.abqwater.org/for\\_builders.aspx](http://www.abqwater.org/for_builders.aspx) FOR STANDARD DRAWINGS

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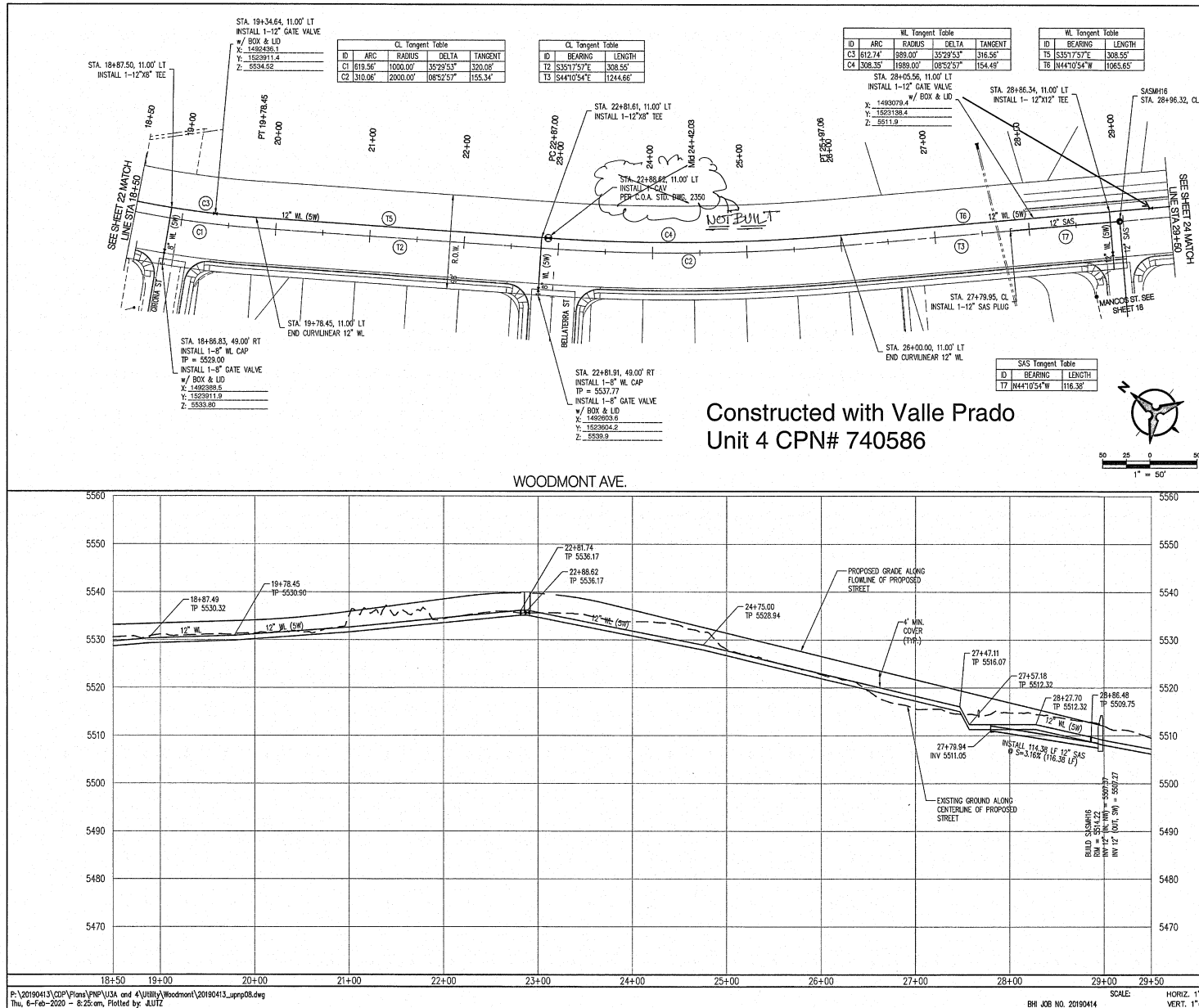
**CITY OF ALBUQUERQUE**  
DEPARTMENT OF  
MUNICIPAL DEVELOPMENT

DURANGO UNIT 3 & 4  
UTILITY PLAN & PROFILE

DESIGN REVIEW COMMITTEE  
FEB 09 2021  
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL  
APPROVED  
JUNE 02 2020  
CITY ENGINEER

NO. DATE  
REMARKS  
REVISIONS  
DESIGN  
DATE 02/2019  
DRAWN BY  
CHECKED BY



**NOTES**

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**GENERAL NOTE:**  
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WATER LINE TO BE C900-PVC (DR-18)  
ALL WATER METERS 3/4" (UNLESS OTHERWISE NOTED)  
ALL VALVES AND BENDS TO BE RESTRAINED WITH RESTRAINING JOINT UNLESS OTHERWISE NOTED.  
REFER TO SHEET 14 FOR TABLE.

VALUES	PER STD. DWG. 2326 & 2328
MANHOLES	PER STD. DWG. 2101 & 2102
DROP MANHOLE	PER STD. DWG. 2116
WATER SERVICE	PER STD. DWG. 2361, 2362 & 2368
SAS SERVICE	PER STD. DWG. 2125
TRACER WIRE	PER STD. DWG. 2190, 2191, 2302, 2305, 2342

Visit [http://www.dbcwue.org/For\\_Builders.aspx](http://www.dbcwue.org/For_Builders.aspx) FOR STANDARD DRAWINGS

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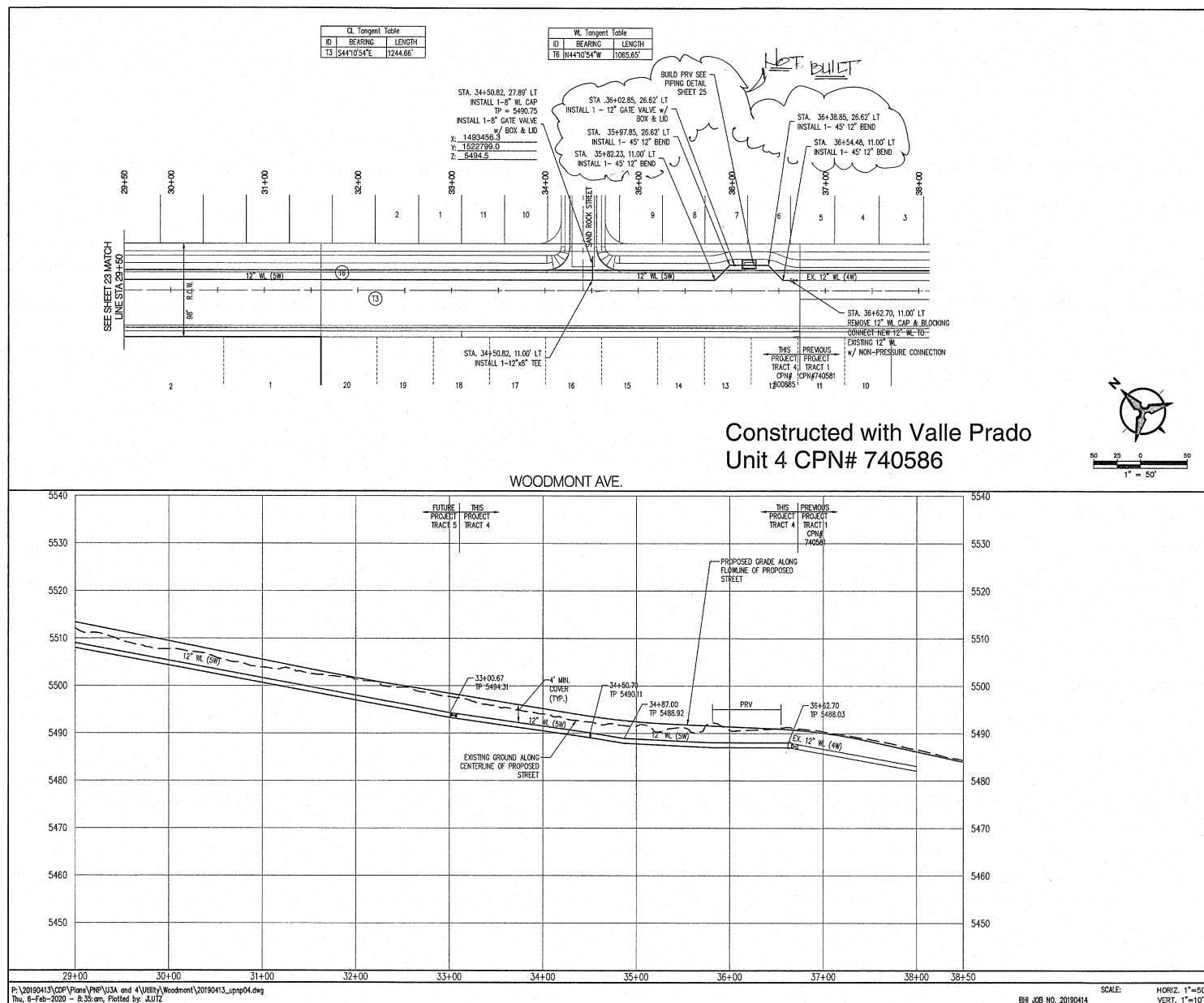
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	NO. / DATE	NO. / DATE
DESIGN REVIEW COMMITTEE	CITY ENGINEER	NO. / DATE	NO. / DATE

DESIGNED BY: YPM  
DRAWN BY: AR  
CHECKED BY: YPM

DATE: 02/2019  
DATE: 02/2019

SHEET 23 OF 25

# RECORD DRAWING



P:\20190413\CPN\Plan\PNP\U3A and 4\Utility\Woodmont\20190413\_upp04.dwg  
Thu, 6-Feb-2020 - 8:35:am; Plotted by: JUTZ

BH JOB NO. 20190414

TABLE 1: REQUIRED INFO. FOR ALL PRV VAULT DESIGN PLANS:

- GROUND WATER LEVEL (NOT APPLICABLE; GREATER THAN VAULT DEPTH)
- TRAFFIC AREA (NO)
- BYPASS REQUIRED (3")
- METER REQUIRED (NO)
- FIRE FLOW RATE (1500 GPM)
- DAILY FLOW RATE (300 GPM)
- RELIEF VALVE CRITERIA (PRESSURE RELIEVE VALVE SIZE = 6"; SET POINT @ 60 PSI; MAX. FLOW 2258 GPM)
- MAXIMUM UPSTREAM PRESSURE (100 PSI)
- MINIMUM DOWNSTREAM PRESSURE (50 PSI)

CONSTRUCTION NOTES CONT.

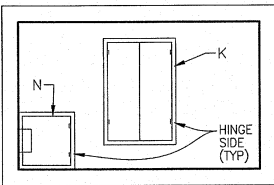
- W. PRESSURE RELIEF VALVE (CLA-VAL).
- X. RESILIENT SEAT GATE VALVE WITH HANDWHEEL. INSTALL VALVE SO THAT HANDWHEEL IS ACCESSIBLE.
- Y. DIP TEE (FL). TURNED UP
- Z. VENT PIPE, TEE AND CAP WITH 1/4" DIA. WEEP HOLE. SAME DIAMETER AS BYPASS PIPING. VENT PIPING SHALL BE ROUTED SUCH THAT THE ABOVE GROUND PIPING IS LOCATED OUT OF VEHICULAR OR PEDESTRIAN TRAFFIC AREAS. INSTALL INSECT SCREEN AT OUTSIDE OPENING, AND INSTALL 3"x3'x6" CONCRETE COLLAR AT GROUND LEVEL WITH 1-#4 REBAR EACH WAY.
- AA. STATIONARY POSTS/BOLLARDS, SEE STANDARD DRAWING 2322.

GENERAL NOTES

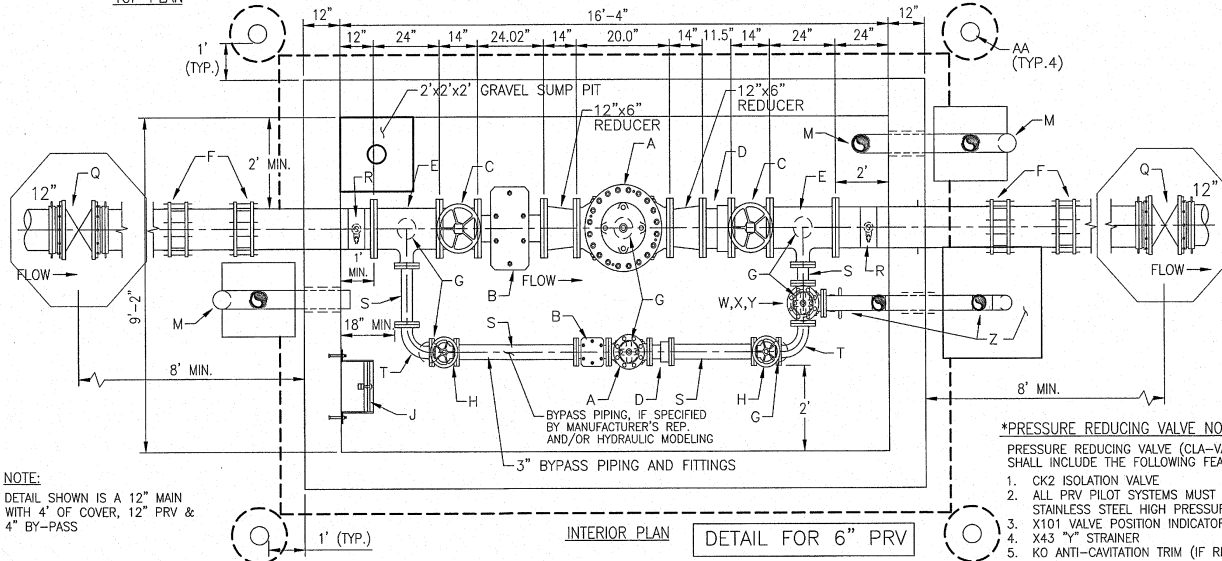
- STRUCTURAL DETAILS, VAULT DIMENSIONS AND REINFORCING TO BE PROVIDED AND PE-STAMPED BY DESIGN ENGINEER.
- PRV LOCATION, FINAL DESIGN AND LAYOUT SHALL PROVIDE INFORMATION IN TABLE 1, THIS SHEET, AND BE APPROVED BY THE WATER AUTHORITY TO CONFORM WITH SPECIFIC SYSTEM AND SITE REQUIREMENTS. ENGINEER SHALL PROVIDE INFORMATION IN TABLE 1, THIS SHEET, AND SUBMIT A PROJECT SPECIFIC DETAIL AND A FLOOR AND PIPING PLAN. SUBMIT SHOP DRAWINGS OF VAULT AND PIPING AND PRV VALVE ASSEMBLY PRIOR TO VAULT FABRICATION AND PIPE INSTALLATION. COORDINATE THE PROPOSED VAULT LOCATION WITH ANY FUTURE ROADWAY IMPROVEMENTS.
- ALL PIPE TO BE FLANGE JOINT DUCTILE IRON PIPE (DIP), UNLESS OTHERWISE NOTED.
- ALL EXTERIOR PIPING SHALL BE PAINTED SAFETY YELLOW.
- STATIONARY POSTS/BOLLARDS WILL BE REQUIRED WHEN SPECIFIED BY THE ENGINEER OR THE WATER AUTHORITY.
- IN NON-TRAFFIC AREAS, THE TOP ELEVATION OF THE VAULT WILL BE 12" ABOVE FINISHED GRADE WITH BOLLARDS PAINTED SAFETY YELLOW AT EACH CORNER. THIS DETAIL DEPICTS THE NON-TRAFFIC AREA SCENARIO.
- ALL PARTS WITHIN THE VAULT MUST COINCIDE WITH THE CURRENT WATER AUTHORITY APPROVED PRODUCTS LIST.
- A PLASTIC NAMEPLATE SHALL BE INSTALLED ON THE VAULT WALL THAT SHOWS THE ELEVATION OF THE TOP OF PIPE ADJACENT TO THE PRV VALVE.
- DO NOT CONSTRUCT DRAIN POCKETS WHEN CONSTRUCTING IN SHALLOW GROUNDWATER CONDITIONS. ENGINEER SHALL PROVIDE A WATERPROOF MANHOLE OR VAULT DESIGN FOR APPROVAL BY THE WATER AUTHORITY PRIOR TO INSTALLATION.
- PRV VAULT MUST BE EQUIPPED WITH USF LOAD LEVEL 7 (ASTM C1802-14) FULL TRAFFIC RATED ACCESS HATCHES WITH CAST IRON LIDS. CONSTRUCT HATCHES FLUSH WITH TOP OF VAULT.
- IF REDUCERS ARE REQUIRED, THEY MUST BE INSTALLED INSIDE OF VAULT.

CONSTRUCTION NOTES

- A. PRESSURE REDUCING VALVE, AS SPECIFIED (CLA-VAL) \*SEE VALVE NOTES TO LEFT FOR DETAILS
- B. CLA-VAL H STYLE STRAINER.
- C. VALVE WITH HAND WHEEL OPERATOR. GATE VALVE FOR DIA. < 14", BUTTERFLY VALVE FOR DIA. > 14".
- D. ROMAC DJ400 DISMANTLING JOINT, OR ENGINEER APPROVED EQUAL.
- E. DIP TEE (FL), ONLY REQUIRED IF BYPASS IS SPECIFIED.
- F. FLEXIBLE COUPLING WITH THRUST TIES. SEE THRUST TIE DETAIL ON STANDARD DRAWING 2358.
- G. ADJUSTABLE PIPE SUPPORT
- H. GATE VALVE WITH HAND WHEEL OPERATOR, ONLY REQUIRED IF BYPASS IS SPECIFIED.
- J. ALUMINUM LADDER PER STANDARD DRAWING 2335, ONLY REQUIRED IF VAULT IS ≥ 4' IN DEPTH. INSTALL LADDER-UP SAFETY POST SYSTEM MODEL LU-4 BY BILCO OR ENGINEER APPROVED EQUAL.
- K. 4'x4' DOUBLE LEAF ACCESS HATCH (WITHOUT BYPASS) AND 4'x6' DOUBLE LEAF (WITH BYPASS). SPECIFY USF LOAD LEVEL 7 (ASTM C1802-14) FULL TRAFFIC RATED HATCH WITH HINGED CAST IRON LID FLUSH WITH TOP VAULT SURFACE. HARDWARE AND HINGES SHALL BE 304 STAINLESS STEEL. SPECIFY SPRING ASSISTED LIFT MECHANISM. CENTER HATCH OVER PRV, OR PRV'S IF WITH BYPASS PIPING.
- L. GRAVEL PER ASTM C33, NO. 57 WITH FILTER FABRIC LINER, MIRAFI TYPE 140NL OR EQUAL.
- M. 6" STEEL VENT PIPES W/GOOSENECK AND INSECT SCREEN. 6" VENT PIPING SHALL BE ROUTED SUCH THAT THE ABOVE GROUND GOOSENECK IS LOCATED OUT OF VEHICULAR OR PEDESTRIAN TRAFFIC AREAS. EXTEND INTAKE VENT TO 1' ABOVE VAULT FLOOR, AND TERMINATE EXHAUST VENT AT INTERIOR OF VAULT WALL, 16" BELOW CEILING. INSTALL 2'x2'x4" CONCRETE COLLARS AT GROUND LEVEL WITH 1-#4 REBAR EACH WAY.
- N. 3'-0" SQUARE ACCESS HATCH. SPECIFY USF LOAD LEVEL 7 (ASTM C1802-14) FULL TRAFFIC RATED HATCH WITH HINGED CAST IRON LID FLUSH WITH TOP OF VAULT SURFACE. HARDWARE AND HINGES SHALL BE 304 STAINLESS STEEL. SPECIFY SPRING ASSISTED LIFT MECHANISM. ORIENT HINGED SIDE OF HATCH OPPOSITE OF WALL MOUNTED LADDER.
- P. WALL PIPE. THRUST COLLAR CENTERED IN WALL, DIP SPOOL WITH FLANGE - PLAIN END (FL x PE) INSTALLED WITH NON-SHRINK GROUT OR WATER AUTHORITY APPROVED EQUAL.
- Q. MECHANICALLY RESTRAINED BURIED VALVE. GATE VALVE FOR DIA. < 14", BUTTERFLY VALVE FOR DIA. > 14".
- R. 2" BALL VALVE AND SADDLE TAP. ORIENT DOWN TO DRAIN VAULT PIPING.
- S. DIP SPOOL (FL x FL)
- T. DIP 90 DEG ELBOW (LONG RADIUS, FL x FL)



TOP PLAN

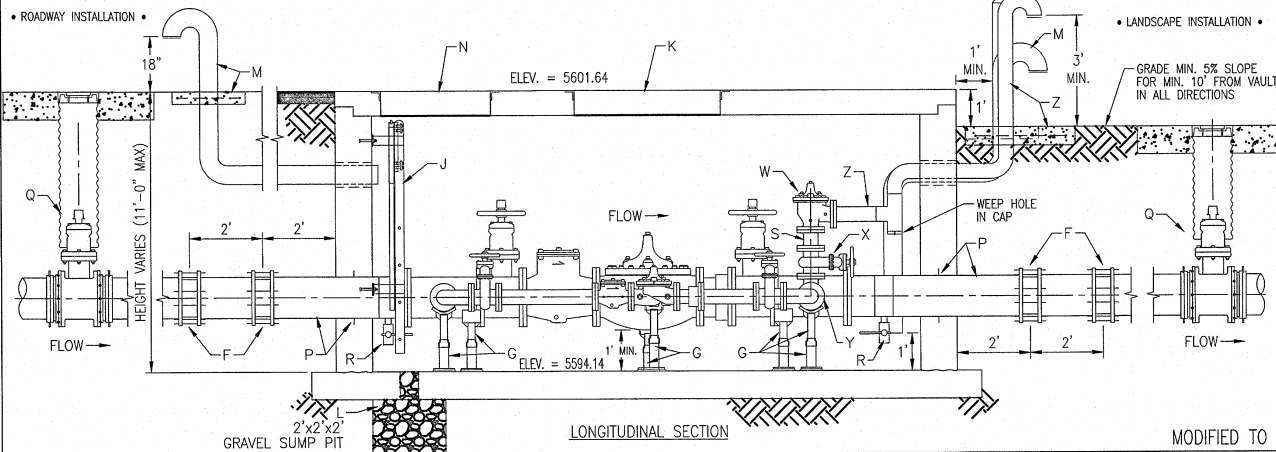


INTERIOR PLAN

DETAIL FOR 6" PRV

\*PRESSURE REDUCING VALVE NOTES:

- PRESSURE REDUCING VALVE (CLA-VAL) SHALL INCLUDE THE FOLLOWING FEATURES:
- CK2 ISOLATION VALVE
  - ALL PRV PILOT SYSTEMS MUST BE STAINLESS STEEL HIGH PRESSURE TUBING.
  - X101 VALVE POSITION INDICATOR
  - X43 "Y" STRAINER
  - KO ANTI-CAVITATION TRIM (IF REQ'D BY MANUFACTURERS REPRESENTATIVE)



LONGITUDINAL SECTION

MODIFIED TO PROVIDE PIPE SIZE & DIMENSIONS

REVISIONS	WATER AUTHORITY
AUG. 2017	WATER STANDARD PRV STATION NO METER
DEC. 2018	
APR. 2019	
DWG. 2354	NOV. 2019