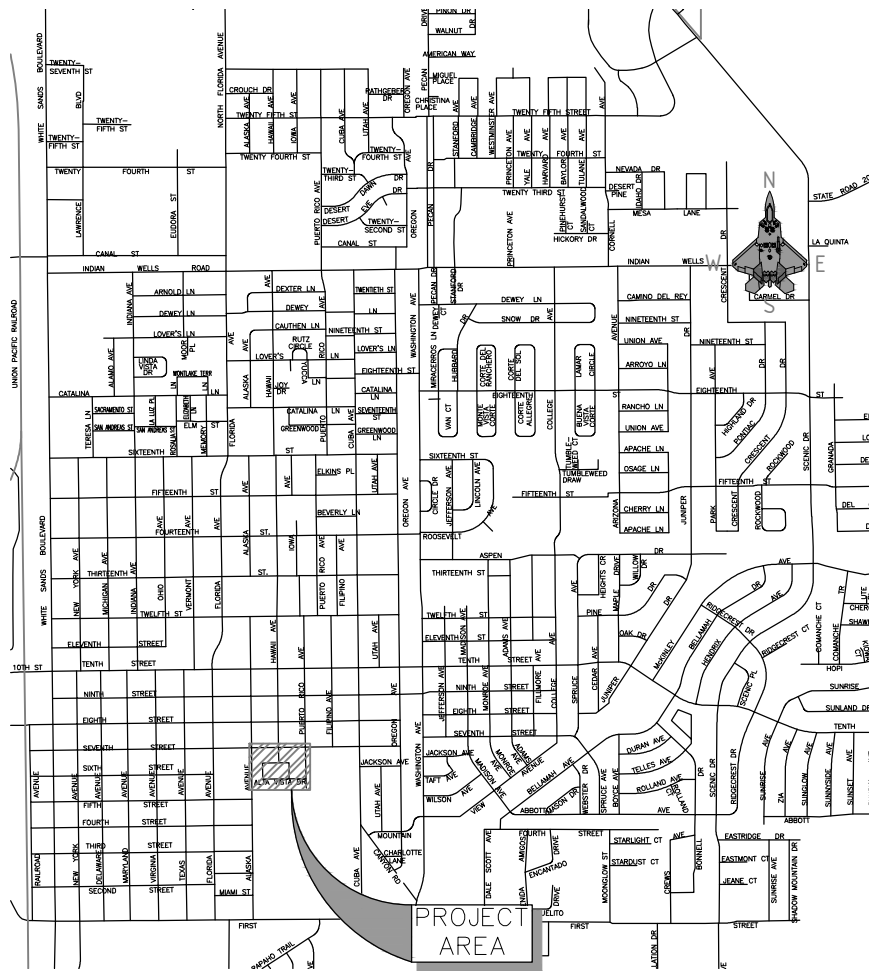


ENGINEERING DEPARTMENT



VICINITY MAP
NO SCALE



2020 IMPROVEMENT PLANS FOR ALTA VISTA COMPLIANCE IMPROVEMENTS

Sheet Legend

- Sht 1 - Cover Sheet with Vicinity Map
- G - General Sheets
- Q - Summary of Quantities
- SR - Survey Sheet and Control Points
- R - Removal Plan Sheets
- RC - Roadway Construction Plans
- GD - Grading and Drainage Plans
- ST - Pavement Marking Plans and Details
- TS - Traffic Signing Plans and Details
- U - Utility Plans and Details
- D - Miscellaneous Detail Plan Sheets
- NMDOT - New Mexico Department of Transportation Standard Drawings

City Commissioners

Richard A. Boss, Mayor at Large

Nadia Sikes, Mayor-Pro-Tem

Jason Baldwin

Susan L. Payne

Josh Rardin

Sharon McDonald

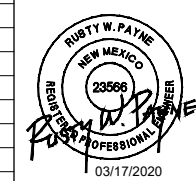
Dusty Wright



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Vision for Tomorrow*

201 N Church Street
Suite 200A
Las Cruces, NM 88001
Phone: 575-523-2395
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AGENCY	PLAN REVIEW BY	DATE	DEPARTMENT	PLAN REVIEW BY	DATE	REVISIONS		
						NUMBER	DESCRIPTION	DATE
POWER NEW MEXICO			ENGINEERING					
NEW MEXICO GAS COMPANY			UTILITIES DEPARTMENT					
CENTURY LINK			STREETS AND DRAINAGE					
BAJA CABLE			FACILITY MAINTENANCE					
TULAROSA BASIN TELEPHONE COMPANY			COMMUNITY DEVELOPMENT					
OTERO COUNTY ELECTRIC COOPERATIVE			PLANNING AND ZONING					
			PARKS					
			DEPARTMENT OF PUBLIC SAFETY					



ENGINEERING DEPT.

COVER SHEET

Public Works Bid No.:
2020-004

Engineering No.:
HP1801

Sheet List Table

Sheet Number	Sheet Title
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SR1.0	SURVEY SHEET & CONTROL POINTS
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REV. No.	DATE	DESCRIPTION	APPROVED

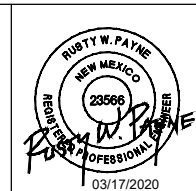
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 Professional Resources for Damage Prevention



Alta Vista Compliance Improvements

SHEET INDEX

CITY OF ALAMOGORDO, NEW MEXICO, ENGINEERING DEPARTMENT



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Public Works Bid No.: 2020-004
Drawn By: SJJ Designed By: SJJ
Checked By: RP Approved By: COA
Scale: HORIZ. BAR SCALE INCLUDE VERT SCALE ON P&P

Sheet No.: G1.0
Sheet 2 of 29
HP1801

GENERAL NOTES:

1. **SPECIFICATIONS:** THE CITY OF ALAMOGORDO TECHNICAL SPECIFICATIONS, SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS AND THE NEW MEXICO STATE DEPARTMENT OF TRANSPORTATION (NMDOT) STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION 2007 EDITION (ORANGE BOOK), NMDOT SUPPLEMENTAL SPECIFICATIONS AND REVISIONS TO THE STANDARDS SPECIFICATION FOR HIGHWAY AND BRIDGE CONSTRUCTION SHALL GOVERN CONSTRUCTION OF THIS PROJECT. SEE BID DOCUMENT MANUAL, TECHNICAL SPECIFICATIONS FOR CONTRACT DOCUMENTS ORDER OF IMPORTANCE.
2. **GENERAL NOTES:** GENERAL NOTES SHALL APPLY TO ALL SHEETS, EXCEPT WHERE MORE SPECIFIC INFORMATION IS PROVIDED. SEE INDIVIDUAL DRAWINGS FOR ADDITIONAL ABBREVIATIONS, SYMBOLS, LEGENDS, NOTES, DETAILS, AND OTHER REQUIREMENTS. IN ALL CASES, THE INFORMATION SHOWN ON INDIVIDUAL DRAWINGS SHALL GOVERN OVER ANY GENERAL INFORMATION. NOT ALL SPECIFIED ITEMS AND/OR STANDARD DETAILS SHOWN MAY BE APPLICABLE TO THIS PROJECT.
3. **MEANS, METHODS OR TECHNIQUES:** THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS OR TECHNIQUES, NOR FOR THE EXECUTION OF THE WORK AS SHOWN ON THESE DRAWINGS. THE OWNER AND ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, OR OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THE CONTRACTORS OR SUBCONTRACTORS TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
4. **SAFETY REQUIREMENTS:** THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL WORK AREAS IN SAFE CONDITION FOR THE PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE FOR ALL CONTRACTOR PERSONNEL AND SUBCONTRACTOR PERSONNEL WITH APPLICABLE CURRENT FEDERAL, OSHA, STATE, COUNTY, AND CITY LAWS, ORDINANCES, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA TRENCH SAFETY RULES AND REGULATIONS APPLICABLE TO THIS PROJECT. THE CONTRACTOR SHALL INSTALL, AT A MINIMUM, SAFETY FENCING 48-INCHES IN HEIGHT AROUND THE PERIMETER OF OPEN TRENCHES AND REMOVAL AREAS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
5. **CONTRACTOR RESPONSIBILITY:** THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THESE REQUIREMENTS SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE CONTRACTORS PERFORMANCE OF WORK ON THIS PROJECT.
6. **PROJECT DEVIATIONS:** ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS BY THE CONTRACTOR MUST BE ACCEPTED BY THE ENGINEER, IN WRITING, PRIOR TO THE WORK BEING DONE. ANY DEVIATIONS PERFORMED WITHOUT THE ENGINEER'S APPROVAL WILL NOT BE PAID FOR AND MAY BE REQUIRED TO BE RECONSTRUCTED OR REMOVED AT THE CONTRACTOR'S EXPENSE.
7. **PUBLIC ACCESS TO LOCAL BUSINESSES & RESIDENCES:** THE CONTRACTOR SHALL PROVIDE INGRESS AND EGRESS TO LOCAL BUSINESSES AND RESIDENCES FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL ADVISE PROPERTY OWNERS AND THE ENGINEER OF ANY ACCESS MODIFICATIONS, AT LEAST 24 HOURS IN ADVANCE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
8. **PERMITTING:** IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REQUEST AND OBTAIN ALL PERMITS NECESSARY FOR THIS PROJECT PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CURRENT FEDERAL, OSHA, STATE, COUNTY, AND CITY LAWS, ORDINANCES, RULES AND REGULATIONS.
9. **MAINTENANCE OF AS-BUILT PLANS:** THE CONTRACTOR SHALL MAINTAIN AN UP TO DATE SET OF AS-BUILT PLANS FOR THE PROJECT. THESE PLANS SHALL BE KEPT CURRENT, WITHIN ONE-WEEK, AT ALL TIMES AND SHALL BE SUBJECT TO REVIEW BY THE ENGINEER THROUGHOUT THE PROJECT AND WILL BE REVIEWED BY THE ENGINEER FOR ACCURACY AND COMPLETENESS AT LEAST ONCE EVERY 7-DAYS. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO FINAL PAYMENT. FINAL AS-BUILT PLANS SHALL BE DELIVERED IN CLEAN HARD COPY. CONTRACTOR CERTIFICATION SHALL BE CLEARLY STATED ON THE COVER SHEET. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
10. **WATER FOR CONSTRUCTION:** THE CONTRACTOR WILL BE RESPONSIBLE FOR PURCHASING ALL OF THE RECLAIMED WATER NEEDED FOR CONSTRUCTION FROM THE CITY OF ALAMOGORDO. THE COST WILL BE DETERMINED IN ACCORDANCE WITH THE CURRENT RECLAIMED WATER RATES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO TRANSPORT AND APPLY THE RECLAIMED WATER AS SPECIFIED OR AS ORDERED BY THE ENGINEER. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER FOR LOCATION OF SOURCES. THIS COST SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OF PAYMENT WILL BE MADE THEREFORE.
11. **INTERRUPTION OF SERVICE:** CONTRACTOR MUST MAINTAIN WATER SERVICE AT ALL TIMES AS DIRECTED BY THE ENGINEER. IF AN INTERRUPTION OF SERVICE IS UNAVOIDABLE, THE CONTRACTOR SHALL NOTIFY ALL AFFECTED RESIDENTS ON A DOOR-TO-DOOR BASIS OR AS AGREED WITH THE ENGINEER. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER FOR ALL WATER SHUT-OFFS.
12. **EARTHWORK HAUL:** THE EARTHWORK HAUL ON THIS PROJECT WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE FOR ITEMS "UNCLASSIFIED EXCAVATION", AND "BORROW", AS APPLICABLE, AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR HAUL.
13. **PAVEMENT DROP-OFF POLICY:** IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION, THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION IN ACCORDANCE WITH THE NMDOT'S CURRENT "DROP-OFF POLICY". THE POLICY IS AVAILABLE FROM THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
14. **WARPING OF SLOPES:** THE CONTRACTOR SHALL WARP SLOPES WHERE NECESSARY TO STAY WITHIN THE RIGHT OF WAY OR CONSTRUCTION EASEMENT LIMITS.
15. **MATERIAL PITS:** NO MATERIAL PITS HAVE BEEN DESIGNATED FOR THIS PROJECT. THE CONTRACTOR MAY OBTAIN SPECIFICATION BORROW OR SURFACING MATERIAL FROM ANY ACCEPTABLE SOURCE. ALL MATERIAL PITS SHALL BE GOVERNED BY SECTION 106 OF THE NMDOT STANDARD SPECIFICATIONS.

16. **CONSTRUCTION EQUIPMENT & MATERIAL STORAGE:** THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL WITHIN 28 FEET FROM THE EDGE OF THE DRIVING LANE UNLESS THE EQUIPMENT OR MATERIAL IS PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. ALL EQUIPMENT AND MATERIAL STORED IN STAGING YARD SHALL BE PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. IN NO CASE SHALL THE CONTRACTOR STORE EQUIPMENT OR MATERIAL IN THE DRIVING LANE. THE SAFETY DESIGN FOR SHIELDING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE APPROVED BY THE ENGINEER BEFORE IMPLEMENTING. THIS WORK, INCLUDING DESIGN, INSTALLATION AND REMOVAL OF THE SHIELDING, SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
17. **PROTECTION OF SURVEY MONUMENTS:** THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT HORIZONTAL AND VERTICAL CONTROL SURVEY MONUMENTS AND CONTROL POINTS FROM DAMAGE PRIOR TO INITIATING CONSTRUCTION. AN INVENTORY OF THE EXISTING MONUMENTS WILL BE TAKEN BY THE ENGINEER AND THE CONTRACTOR PRIOR TO START OF CONSTRUCTION. IF, DURING THE COURSE OF CONSTRUCTION OPERATIONS, THE CONTRACTOR DISTURBS OR DESTROYS A MARK, THE CONTRACTOR SHALL ESTABLISH A NEW MARK IN COMPLIANCE WITH THE STANDARDS AND PROCEDURES SET FORTH IN THE "GEODETIC MARK PRESERVATION GUIDEBOOK ". NATIONAL GEODETIC SURVEY, MARCH 1990, CONTACT: NGS MARK PRESERVATION CENTER-NOAA, TELEPHONE (505) 768-3606.
18. **REMOVALS:** THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED TO COMPLETE THE PROJECT. REMOVALS NOT SHOWN ON THE PLANS WILL BE DESIGNATED BY THE ENGINEER. THIS WORK WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE FOR ITEM "REMOVAL OF STRUCTURES AND OBSTRUCTIONS" AND THE CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR UNLISTED REMOVALS. ITEMS THAT ARE SCHEDULED TO BE REMOVED AND REPLACED SHALL BE REPLACED WITH-IN SEVEN (7) DAYS OF THEIR REMOVAL.
19. **SAW CUTTING:** CONTRACTOR SHALL SAW CUT PAVEMENT, CONCRETE SIDEWALK, CONCRETE DRIVE WAYS AND CURB AND GUTTER AT TIE-INS AS REQUIRED FOR A SMOOTH TRANSITION. THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
20. **SALVAGEABLE MATERIALS:** SALVAGEABLE MATERIALS FROM THIS PROJECT ARE TO BE HAULED AND STOCK PILED AT THE CITY YARD LOCATED AT 2600 N. FLORIDA AVENUE. HAUL OF SUCH MATERIAL SHALL BE PERFORMED DURING NORMAL WORKING HOURS AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM "REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
21. **WASTE MATERIALS:** WASTE MATERIAL MUST BE DISPOSED OF AT A STATE APPROVED SITE.
22. **PROTECTION OF EXISTING UTILITIES:** THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UNDERGROUND AND OVERHEAD UTILITIES AND SHALL COORDINATE ALL WORK WITH UTILITY OWNERS. ALL IMPROVEMENTS WHICH ARE DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED, RECONSTRUCTED OR REPLACED WITHIN 24 HOURS TO THE ENGINEER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE WITHOUT ADDITIONAL COMPENSATION.
23. **CONTRACTOR COORDINATION WITH UTILITIES:** THE CONTRACTOR IS HEREBY ADVISED THAT UTILITY RELOCATION WORK BY THE UTILITY OWNERS MAY BE PERFORMED CONCURRENT WITH CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE FOR UTILITY WORK IN CONJUNCTION WITH CONSTRUCTION OPERATIONS AND SHALL BE REQUIRED TO COORDINATE THE SCHEDULING OF WORK WITH THE RESPECTIVE UTILITY OWNERS. ANY CLAIMS FOR DELAY SHALL BE CONTROLLED BY THE TERMS AND CONDITIONS OF THE NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION.
24. **VERIFY ELEVATIONS:** THE CONTRACTOR SHALL EMPLOY A LICENSED NEW MEXICO SURVEYOR AND SHALL FIELD VERIFY ALL ELEVATIONS, DIMENSIONS, AND RIGHT-OF-WAY PRIOR TO THE BEGINNING OF CONSTRUCTION. THE ELEVATIONS WERE BASED ON AS-BUILT AND FIELD SURVEY DATA. THE CONTRACTOR SHALL LIMIT ALL WORK ON THIS PROJECT TO WITHIN THE EXISTING RIGHT-OF-WAY AND EASEMENTS. THIS WORK WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION STAKING BID ITEM AND TO THE COMPLETION OF THE PROJECT, NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.
25. **UTILITY DISCLAIMER:** UTILITY LOCATIONS SHOWN HEREON ARE BASED ON THE BEST AVAILABLE EVIDENCE INCLUDING PHYSICAL FEATURES SUCH AS VALVES, PEDESTALS, WARNING MARKERS AND SPOTS BY UTILITY LOCATING SERVICES. THERE IS NO GUARANTEE AS TO THE COMPLETENESS OR ACCURACY OF THE UTILITY DATA SHOWN ON THE PLANS. THE CONTRACTOR SHALL CONTACT ALL UTILITY OWNERS TO VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF THE CONFLICT WITH MINIMUM DELAY. EXCAVATION TO VERIFY LOCATIONS SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT, NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.
26. **TRAFFIC CONTROL:** THE CONTRACTOR SHALL MAINTAIN AND CONTROL TRAFFIC AS OUTLINED IN THE "MUTCD, LATEST EDITION" DURING CONSTRUCTION. ANY NECESSARY DEVIATION FROM THE "MUTCD, LATEST EDITION" SHALL HAVE PRIOR APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL SUBMIT A COPY OF TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL, PRIOR TO START OF CONSTRUCTION.
27. **TRUCK WEIGHT:** MAXIMUM WEIGHT OF TRUCKS SHALL CONFORM TO N.M.D.O.T. STANDARDS. CONTRACTOR TO REPLACE ANY DAMAGED STREETS USED DURING CONSTRUCTION HAULING. REPLACEMENT OF DAMAGED STREETS SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT, NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.
28. **WORK CONFINEMENT:** THE CONTRACTOR SHALL BE REQUIRED TO CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS OR RIGHT-OF-WAY. PARKING OF EMPLOYEE'S PRIVATE VEHICLES SHALL NOT BE ALLOWED ALONG CONSTRUCTION AREAS THROUGHOUT CONSTRUCTION LIMITS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROHIBIT ASPHALT VEHICLES AND EQUIPMENT, ROLLERS, CRANES, ETC., FROM DRIVING UPON, ACROSS, OR TURNING ON PRIVATE PROPERTY ADJACENT TO PROJECT WORK AREAS.
29. **SURFACE FEATURES:** CONTRACTOR SHALL REPAIR OR REPLACE FENCES, BLOCK WALLS, OR SURFACE FEATURES, DAMAGED BY CONTRACTOR'S OR SUBCONTRACTOR'S OPERATIONS, TO EXISTING OR BETTER CONDITION. REPAIR OR REPLACEMENT OF FENCES, BLOCK WALLS, OR SURFACE FEATURES SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.

30. **PROJECT VIDEO:** PRIOR TO INITIATING CONSTRUCTION OPERATIONS, CONTRACTOR, SHALL PERFORM DIGITAL VIDEO RECORDING OF THE ENTIRE PROJECT, ITS FULL LENGTH AND WIDTH. THE CONTRACTOR, SHALL ALSO INCLUDE OR ADD AS NECESSARY, ANY AREAS TO BE DISTURBED FOR MATERIAL STORAGE, EMPLOYEE PARKING OR EQUIPMENT STORAGE.

THE VIDEO DOCUMENTATION SHALL BE COMPLETED IN DIGITAL FORMAT; IT SHALL BE A MINIMUM RESOLUTION OF 1920 X 1080 PIXELS, AT 60 FPS (FRAME PER SECOND) AND IN COLOR. THE VIDEO DOCUMENTATION SHALL BE PERFORMED BETWEEN 10:00 A.M. AND 2:00 P.M. DURING PERIODS OF FULL SUN EXPOSURE. THE ACTUAL DATE OF RECORDING SHALL BE DATE-STAMPED WITHIN EACH FRAME OF THE VIDEO. APPROVAL OF THE VIDEO MUST BE OBTAINED FROM THE ENGINEER PRIOR TO THE COMMENCEMENT OF ANY CLEARING AND GRUBBING OPERATIONS.

A DVD COPY OF THE VIDEO RECORDING SHALL BE SUBMITTED TO THE ENGINEER, IN A FORMAT COMPATIBLE WITH STANDARD DVD PLAYERS.

ALL COST ASSOCIATED WITH THE VIDEO RECORDING SPECIFIED IN THIS ARTICLE SHALL BE CONSIDERED INCIDENTAL TO OTHER RELATED ITEMS OF WORK AND NO SEPARATE PAYMENT WILL BE MADE UNLESS SPECIFICALLY INDICATED ELSEWHERE IN THE SPECIAL PROVISIONS.
31. **SITE CLEAN UP:** PROJECT SITE(S) AND YARD(S) SHALL BE MAINTAINED BY CONTRACTOR AND KEPT IN A CLEAN AND ORDERLY MANNER TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.

UTILITY COMPANY CONTACTS:

CITY OF ALAMOGORDO:
 WATER/SEWER: DAVE NUNNELLEY – 575.430.1947
 FACILITY/FIBER OPTIC: PAUL BENNETT – 575.921.4402
 PARK SUPERVISOR: ERIK MARION – 575.439.4139
 PROPERTY MANAGER COORDINATOR: NATHAN THARP – 575.430.8634

PNM ELECTRIC: (OFFICE) 575.443.6610
 WILSON GUIN 575.430.2977
 LORNE WOFFORD 575.430.8380

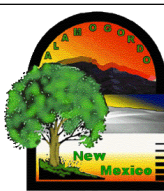
NEW MEXICO GAS COMPANY: NATURAL GAS (OFFICE) 1.888.664.2726
 TIM TURRI 575.443.6424
 MARIO ESTRADA 575.430.8381
 ORLANDO MARTINEZ 575.202.9545

TELEPHONE (CENTURY LINK): GARY NELSON (O) 575.767.7467

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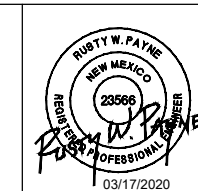
 Professional Resources for Damage Prevention Dial 811 or 1-800-321-2537



Alta Vista Compliance Improvements

GENERAL NOTES AND UTILITY COMPANY CONTACTS

CITY OF ALAMOGORDO, NEW MEXICO, ENGINEERING DEPARTMENT



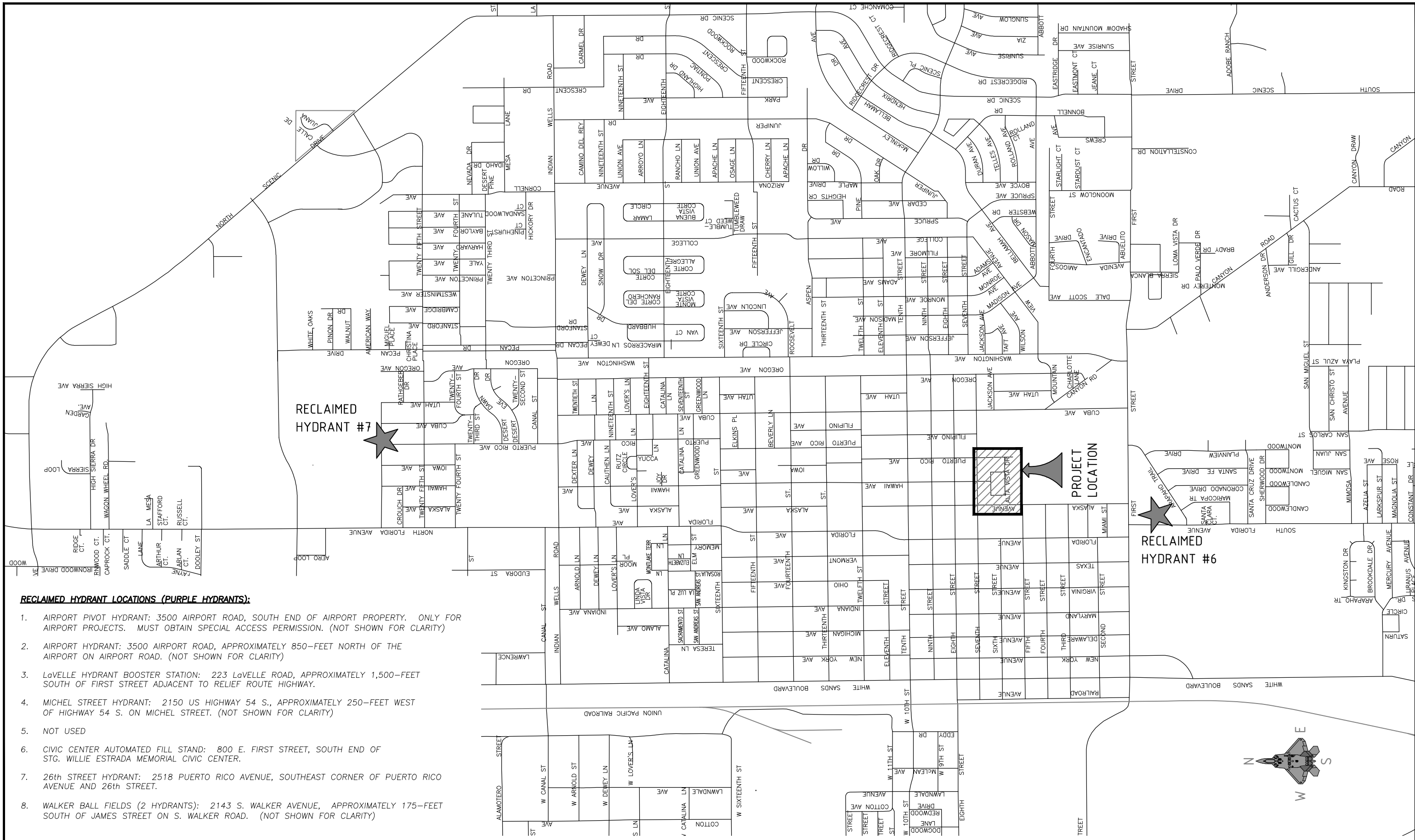

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Public Works Bid No.: 2020-004
 Drawn By: COA Designed By: COA
 Checked By: COA Approved By: COA

Scale: HORIZ. BAR SCALE
 INCLUDE VERT SCALE ON P&P

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RECLAIMED HYDRANT LOCATIONS (PURPLE HYDRANTS):

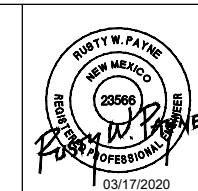
1. AIRPORT PIVOT HYDRANT: 3500 AIRPORT ROAD, SOUTH END OF AIRPORT PROPERTY. ONLY FOR AIRPORT PROJECTS. MUST OBTAIN SPECIAL ACCESS PERMISSION. (NOT SHOWN FOR CLARITY)
2. AIRPORT HYDRANT: 3500 AIRPORT ROAD, APPROXIMATELY 850- FEET NORTH OF THE AIRPORT ON AIRPORT ROAD. (NOT SHOWN FOR CLARITY)
3. LoVELLE HYDRANT BOOSTER STATION: 223 LoVELLE ROAD, APPROXIMATELY 1,500- FEET SOUTH OF FIRST STREET ADJACENT TO RELIEF ROUTE HIGHWAY.
4. MICHEL STREET HYDRANT: 2150 US HIGHWAY 54 S., APPROXIMATELY 250- FEET WEST OF HIGHWAY 54 S. ON MICHEL STREET. (NOT SHOWN FOR CLARITY)
5. NOT USED
6. CIVIC CENTER AUTOMATED FILL STAND: 800 E. FIRST STREET, SOUTH END OF STG. WILLIE ESTRADA MEMORIAL CIVIC CENTER.
7. 26th STREET HYDRANT: 2518 PUERTO RICO AVENUE, SOUTHEAST CORNER OF PUERTO RICO AVENUE AND 26th STREET.
8. WALKER BALL FIELDS (2 HYDRANTS): 2143 S. WALKER AVENUE, APPROXIMATELY 175- FEET SOUTH OF JAMES STREET ON S. WALKER ROAD. (NOT SHOWN FOR CLARITY)

REV. No.	DATE	DESCRIPTION	APPROVED

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NMOC Dial 811 or 1-800-321-2537
 Professional Resources for Damage Prevention



Alta Vista Compliance Improvements
RECLAIMED HYDRANT & PROJECT LOCATION MAP
 CITY OF ALAMOGORDO, NEW MEXICO, ENGINEERING DEPARTMENT



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 201 N Church Street Suite 200A Las Cruces, NM 88001 Phone: 575-523-2395 www.smithengineering.pro

Public Works Bid No.: 2020-004	Sheet No.:
Drawn By: SJJ	Designed By: SJJ
Checked By: RP	Approved By: COA
Scale: HORIZ. BAR SCALE	Sheet 4 of 29
INCLUDE VERT SCALE ON P&P	

G3.0

BASE BID SUMMARY OF QUANTITIES:

BASE BID				
ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
201000	CLEARING AND GRUBBING; COMPL	L.S.	1	
207000	12" SUBGRADE PREPARATION; CIP	S.Y.	1,230	
303180	8" BASE COURSE; CIP	S.Y.	1,230	
423250	HMA SP-IV 3-INCHES THICK; CIP	S.Y.	1,230	
515000	REINFORCED CLUSTER MAILBOX FOUNDATION; CIP	EA.	4	
515001	DRAINAGE INLET /SIDEWALK	L.S.	1	
607001	REMOVABLE PIPE BOLLARD; CIP	EA.	3	
608000	TACTILE WARNING SURFACE; CIP	S.F.	210	
608104	4-INCH THICK CONCRETE; CIP	S.Y.	2,385	
608106	6-INCH THICK CONCRETE; CIP	S.Y.	475	
608108	8-INCH THICK CONCRETE; CIP	S.Y.	55	
609200	HEADER CURB	L.F.	120	
609424	TYPE II CURB/GUTTER; CIP	L.F.	1,070	
618000	FURNISH & PROVIDE MUTCD PLAN; COMPL	L.S.	1	
621000	MOBILIZATION; COMPL	L.S.	1	
801000	CONSTRUCTION STAKING & SURVEYING; COMPL	L.S.	1	

NOTES TO CONTRACTOR ON ITEMS INCIDENTAL TO CONSTRUCTION:

- ADJUSTMENT OF VALVE BOXES AND CONCRETE COLLARS SHALL BE INCIDENTAL TO CONSTRUCTION.
- COORDINATE REMOVAL AND RELOCATION OF TRAFFIC SIGNS, ADJACENT TO NEW SIDEWALK, WITH OWNER PRIOR TO RESETTING OF SIGNS.

ADDITIVE ALTERNATE #1 SUMMARY OF QUANTITIES:

ADDITIVE ALTERNATE #1: SIDEWALKS FOR EACH HOUSING UNIT & CONCRETE PAVEMENT AT DRAINAGE SWALE				
ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
201000	CLEARING AND GRUBBING; COMPL	L.S.	1	
207000	12" SUBGRADE PREPARATION; CIP	S.Y.	-195	
303180	8" BASE COURSE; CIP	S.Y.	-195	
423250	HMA SP-IV 3-INCHES THICK; CIP	S.Y.	-195	
608104	4-INCH THICK CONCRETE; CIP	S.Y.	910	
608106	6-INCH THICK CONCRETE; CIP	S.Y.	195	
801000	CONSTRUCTION STAKING & SURVEYING; COMPL	L.S.	1	

ITEMS WITH A NEGATIVE VALUE (ESTIMATED QUANTITY) ARE DEDUCTIVE FROM THE BASE BID.

REV. No.	DATE	DESCRIPTION	APPROVED

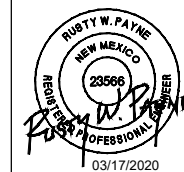
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NMOC
 Professional Resources for Damage Prevention 1-800-321-2537



Alta Vista Compliance Improvements

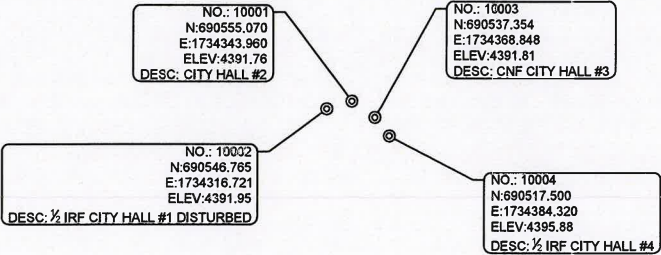
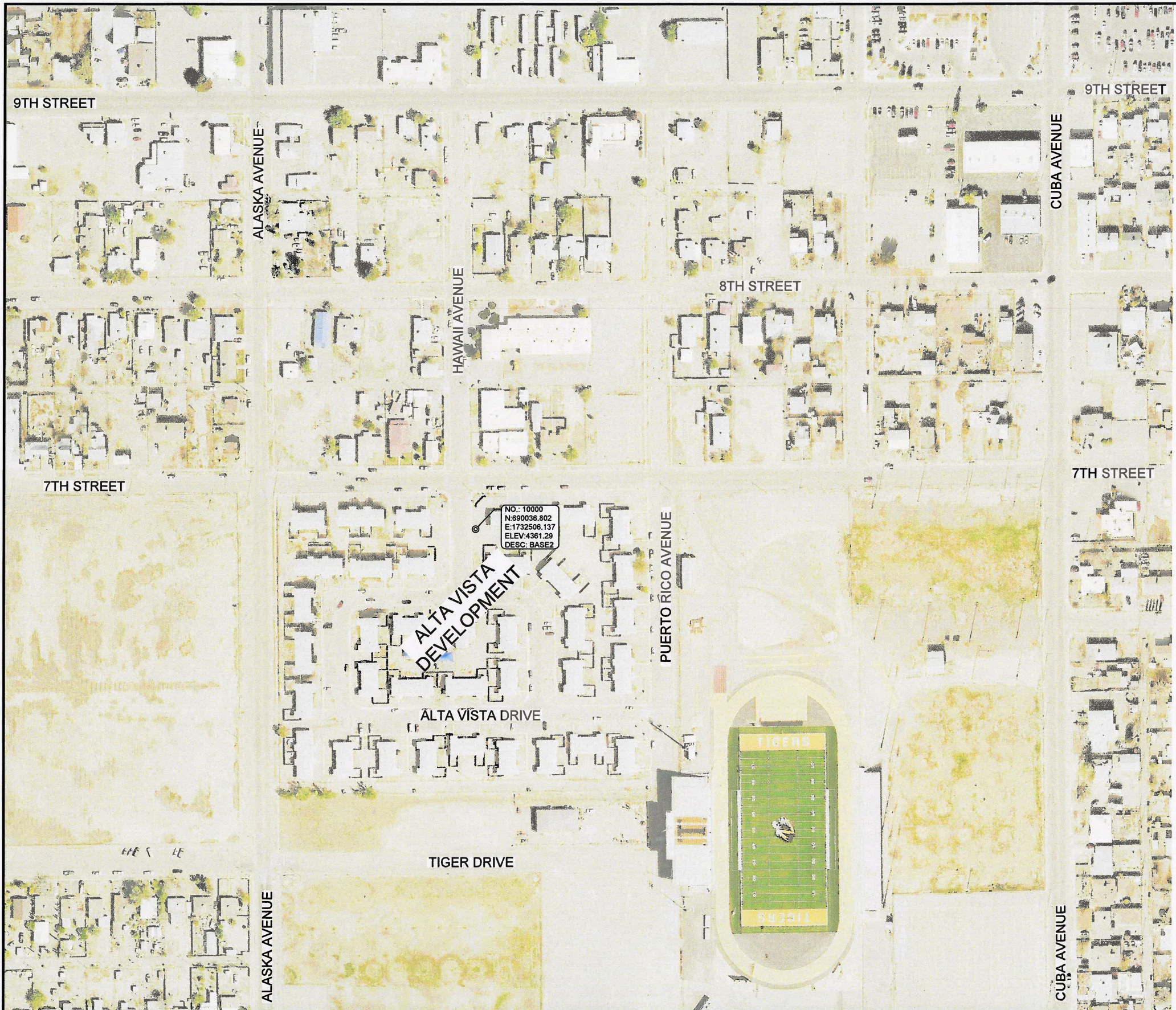
PROJECT SUMMARY OF QUANTITIES

CITY OF ALAMOGORDO, NEW MEXICO, ENGINEERING DEPARTMENT



Public Works Bid No.: 2020-004
 Drawn By: SJJ Designed By: SJJ
 Checked By: RP Approved By: COA
 Scale: HORIZ. BAR SCALE
 INCLUDE VERT SCALE ON P&P

Sheet No.: **Q1.0**
 Sheet 5 of 29
 HP1801



- NOTES:**
- HORIZONTAL CONTROL IS BASED ON NAD 83 DATUM, VERTICAL CONTROL IS BASED ON NAVD83. BENCHMARK COORDINATES ARE IN GRID, AND ARE BASED ON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE. BENCHMARK COORDINATES ARE CITY HALL #2.
 - THIS IS NOT A BOUNDARY SURVEY. APPARENT PROPERTY CORNERS AND PROPERTY LINES ARE SHOWN FOR INFORMATION ONLY.
 - ONLY EXISTING MONUMENTS FOUND AT THE TIME OF THE SURVEY ARE SHOWN, UNLESS OTHERWISE NOTED.

REV. No.	DATE	DESCRIPTION	APPROVED

New Mexico One Call, Inc. Call 2 days before you dig!
NMOC Dial 811 or 1-800-321-2537
 Professional Resources for Damage Prevention



Alta Vista Compliance Improvements

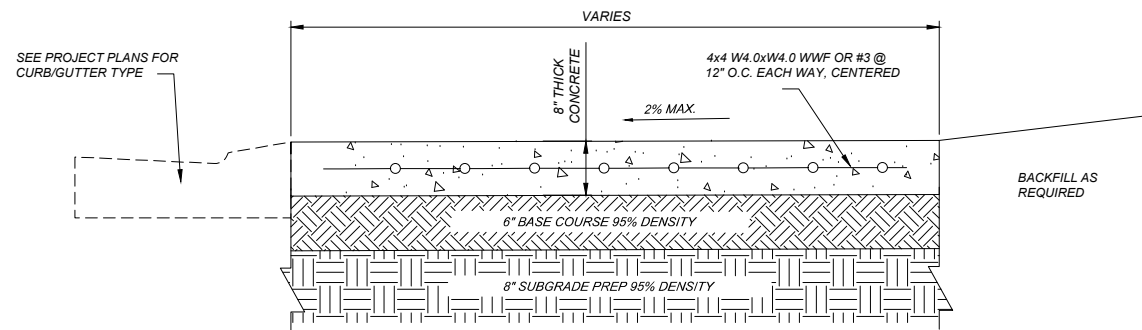
SURVEY SHEET & CONTROL POINTS

CITY OF ALAMOGORDO, NEW MEXICO, ENGINEERING DEPARTMENT



Public Works Bid No.: 2020-004
 Drawn By: SJJ Designed By: PLS
 Checked By: PLS Approved By: COA
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Sheet No.: SR1.0
 Sheet 6 of 29
 HP1801

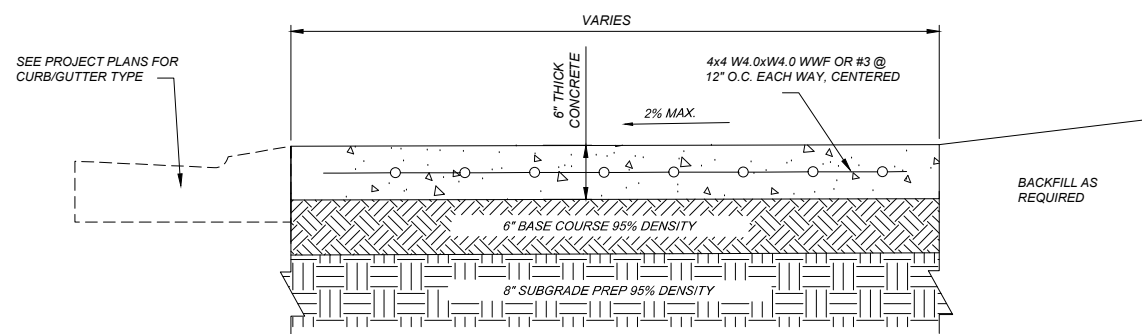


8" Thick Reinforced Concrete

No Scale

GENERAL NOTES:

- CROSS SLOPE SHALL NOT EXCEED 2% MAXIMUM.
- RAMP SLOPE SHALL NOT EXCEED 8.3% MAXIMUM.
- CONTRACTOR SHALL FIELD VERIFY CROSS SLOPE AND RAMP SLOPE AND COORDINATE WITH ENGINEER ITEMS THAT MAY EXCEED THESE MAXIMUM REQUIREMENTS.
- COORDINATE WITH OWNER/ENGINEER LIMITS OF REMOVAL.
- COORDINATE WITH OWNER/ENGINEER LIMITS OF BACKFILL REQUIREMENTS.

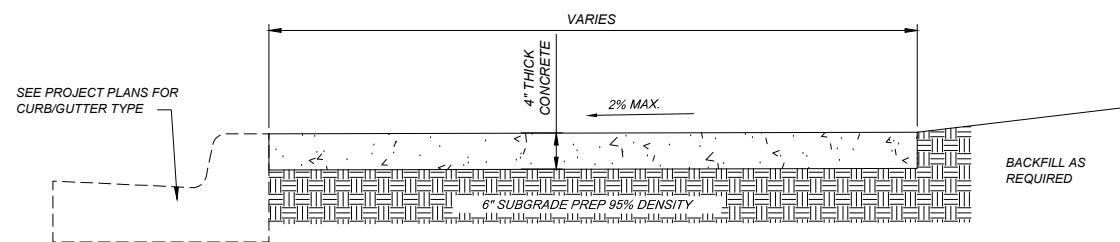


6" Thick Reinforced Concrete

No Scale

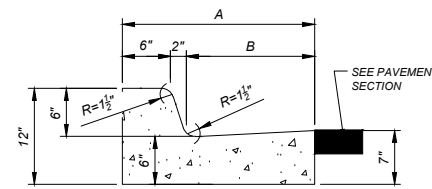
GENERAL NOTES:

- CROSS SLOPE SHALL NOT EXCEED 2% MAXIMUM.
- RAMP SLOPE SHALL NOT EXCEED 8.3% MAXIMUM.
- CONTRACTOR SHALL FIELD VERIFY CROSS SLOPE AND RAMP SLOPE AND COORDINATE WITH ENGINEER ITEMS THAT MAY EXCEED THESE MAXIMUM REQUIREMENTS.
- COORDINATE WITH OWNER/ENGINEER LIMITS OF REMOVAL.
- COORDINATE WITH OWNER/ENGINEER LIMITS OF BACKFILL REQUIREMENTS.

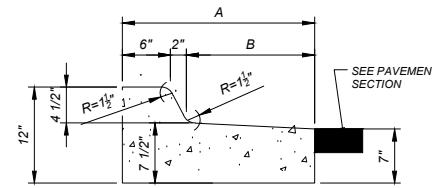


4" Thick Concrete

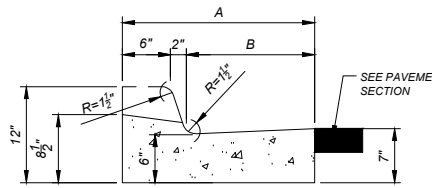
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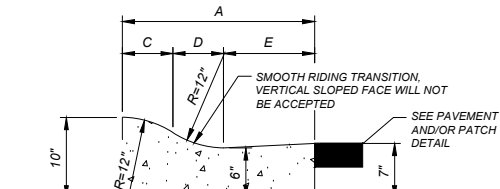
STANDARD CURB & GUTTER



REVERSE SLOPE CURB & GUTTER



LAY-DOWN CURB & GUTTER



MOUNTABLE CURB & GUTTER

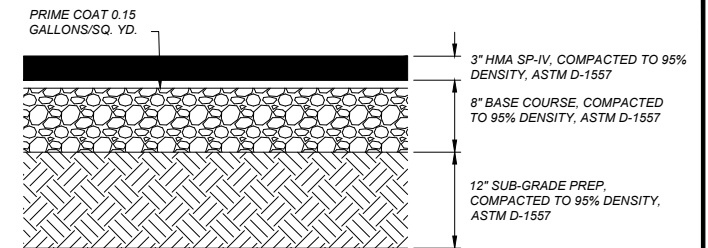
CURB & GUTTER LEGEND			
TYPE	I	II	III
A	18"	24"	30"
B	10"	16"	22"
C	5 5/8"	5 5/8"	5 5/8"
D	5"	7"	7"
E	7 3/8"	11 3/8"	17 3/8"

TYPICAL CURB AND GUTTER DETAIL

No Scale

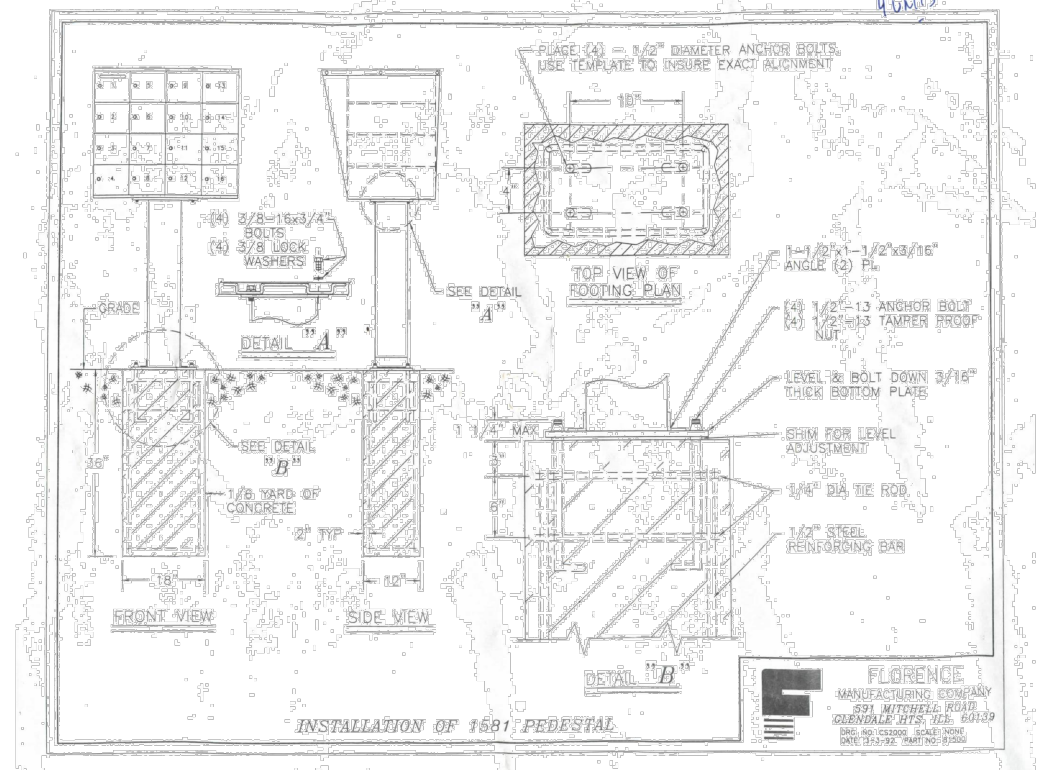
GENERAL NOTES:

- NEW CURB/GUTTER PROFILE SHALL MATCH EXISTING ADJACENT CURB AND GUTTER AND/OR STREET PROFILE.
- NEW CURB/GUTTER SHALL INCLUDE 8-INCH SUB-GRADE PREP.
- NEW CURB/GUTTER SHALL INCLUDE 6-INCH BASE COURSE.
- EDGES OF CURB/GUTTER NOT SPECIFICALLY DIMENSIONED SHALL BE EDGED WITH A 3/8" EDGING TOOL.
- DIMENSIONS AT ROUNDED CORNERS MEASURED TO INTERSECTION OF STRAIGHT LINES.
- PROVIDE CONTROL JOINTS EVERY 5'-0". CONTROL JOINT SHALL BE TOOL JOINTED WITH TOP ROUND EDGE OF 1/8-INCH RADIUS, DEPTH OF 1-INCH. THE FINISH JOINT OPENING EXCLUDING RADIUS SHALL NOT BE WIDER THAN 1/8-INCH.
- PROVIDE 1/2" EXPANSION JOINTS EVERY 50'-0", ALONG CURB AND GUTTER.
- TACK COAT EDGE OF GUTTER PRIOR TO PLACEMENT OF NEW PAVEMENT/PAVEMENT PATCH.
- THE CONSTRUCTION OF CURB & GUTTER AND/OR PAVEMENT SHALL BE CONSTRUCTED SO THAT THE GUTTER FLOW WILL BE CONSTANT (NO PONDING AREAS WILL BE ACCEPTED).



Typical Pavement Section

No Scale



NOTE TO CONTRACTOR:

- THE FINAL MAILBOX LOCATIONS TO BE DETERMINED BY OWNER AND UNITED STATES POSTAL SERVICE (USPS). INSTALLATION SHALL BE COORDINATED WITH OWNER AND USPS.
- TEMPLATE FOR ANCHOR LOCATIONS TO BE PROVIDED BY OWNER.

CLUSTER MAILBOX INSTALLATION DETAIL

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 Professional Resources for Damage Prevention



Alta Vista Compliance Improvements

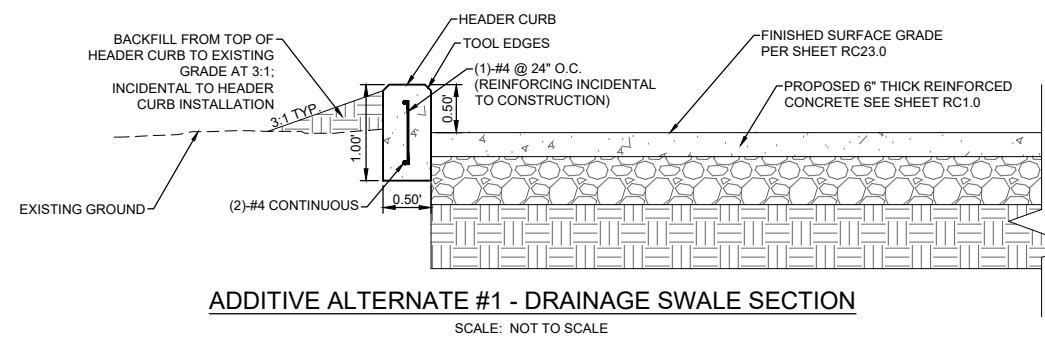
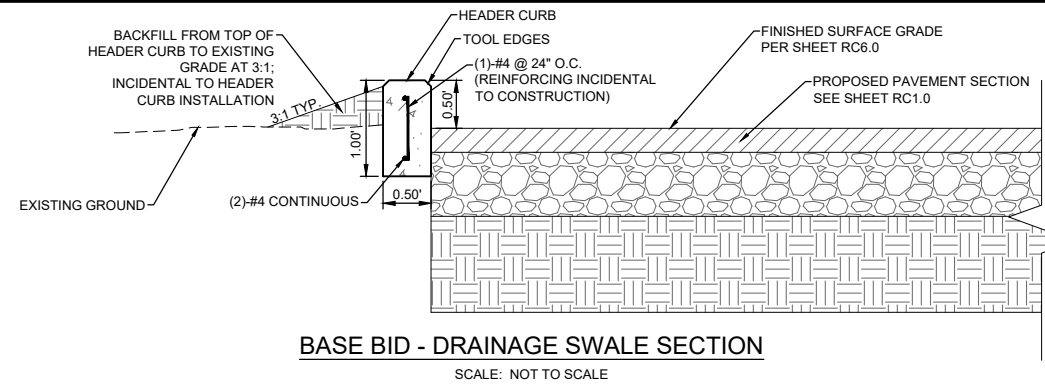
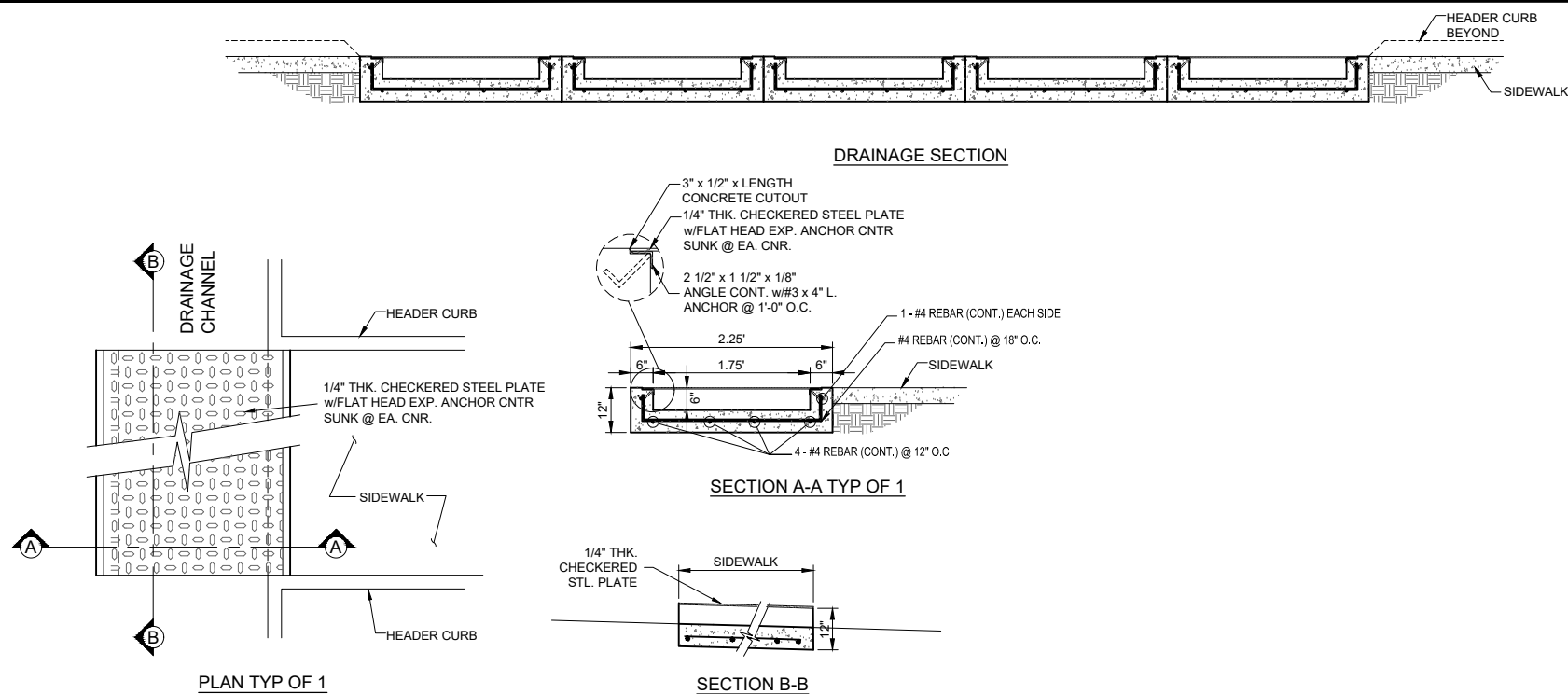
CITY OF ALAMOGORDO STANDARD DETAILS

CITY OF ALAMOGORDO, NEW MEXICO, ENGINEERING DEPARTMENT

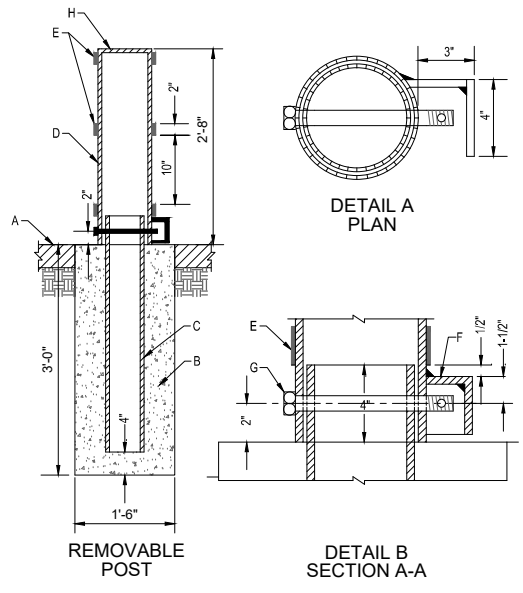
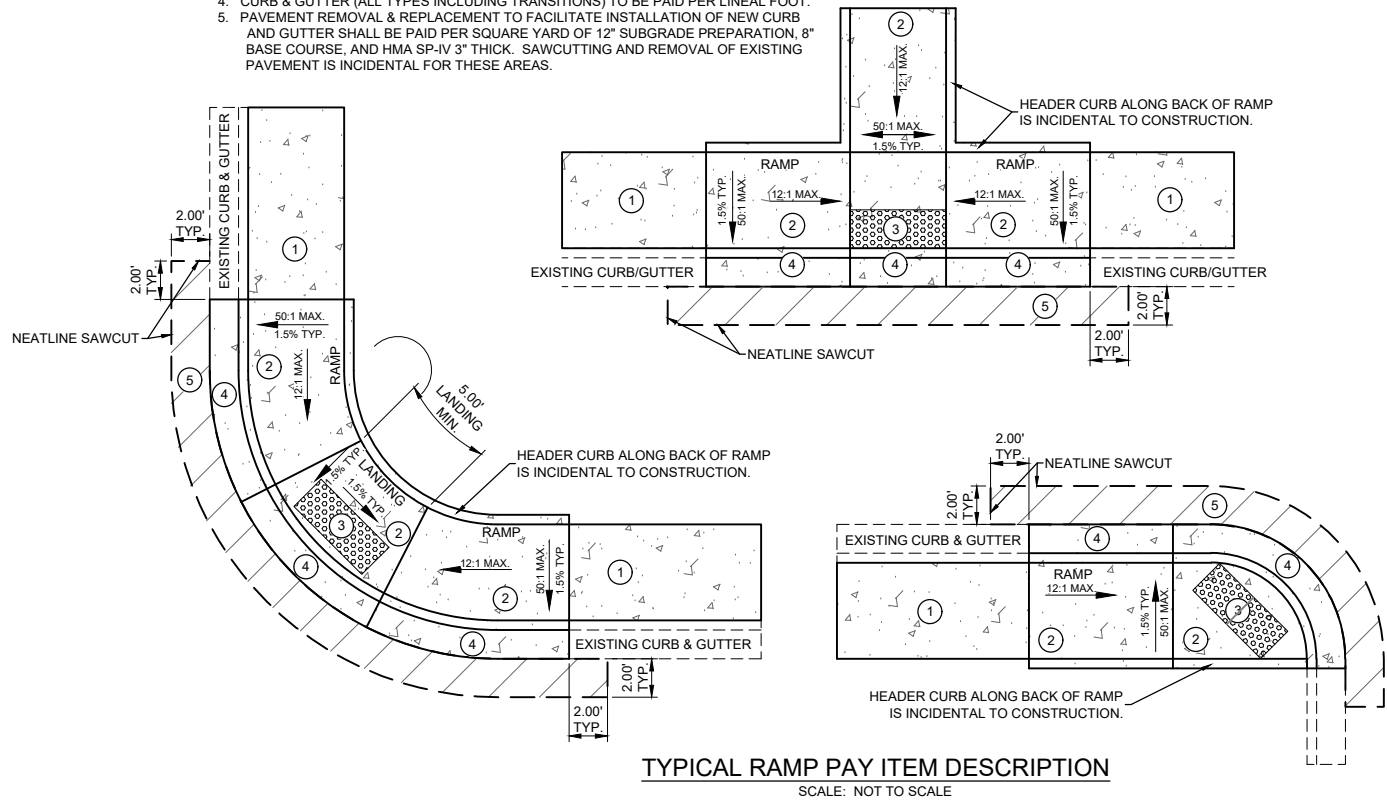


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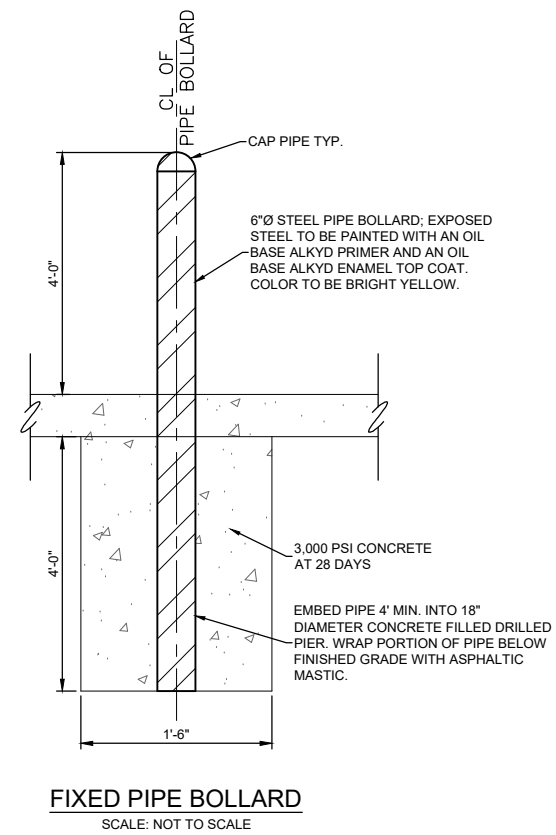
Sheet No.: RC1.0
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- # RAMP CONSTRUCTION PAY ITEM DESCRIPTION:**
1. SIDEWALKS SHALL BE PAID PER SQUARE YARD OF 4" THICK CONCRETE.
 2. LANDINGS AND RAMPS SHALL BE PAID PER SQUARE YARD OF 6" THICK CONCRETE.
 3. DETECTABLE WARNINGS (TRUNCATED DOMES) SHALL BE PAID PER SQUARE FOOT (TYPICAL 2' x 5' MAT).
 4. CURB & GUTTER (ALL TYPES INCLUDING TRANSITIONS) TO BE PAID PER LINEAL FOOT.
 5. PAVEMENT REMOVAL & REPLACEMENT TO FACILITATE INSTALLATION OF NEW CURB AND GUTTER SHALL BE PAID PER SQUARE YARD OF 12" SUBGRADE PREPARATION, 8" BASE COURSE, AND HMA SP-IV 3" THICK. SAWCUTTING AND REMOVAL OF EXISTING PAVEMENT IS INCIDENTAL FOR THESE AREAS.



- GENERAL NOTES:**
1. WELDS ARE TO BE GROUND SMOOTH.
 2. EXPOSED STEEL AND SLEEVE TO BE PAINTED WITH AN OIL BASE ALKYD PRIMER AND AN OIL BASE ALKYD ENAMEL TOP COAT. COLOR TO BE BRIGHT YELLOW.
- CONSTRUCTION NOTES:**
- A. PAVEMENT OR FINISHED GRADE.
 - B. CONC. COLLAR, 3000 PSI AT 28 DAYS, W/SMOOTH OR BROOM FINISH WHERE PAVEMENT IS ADJACENT.
 - C. 5" NOMINAL DIA. SCHEDULE 40 STEEL PIPE, 3'-0" TO BE FILLED W/CONC. TO LEVEL SHOWN.
 - D. 6" NOMINAL DIA. SCHEDULE 40 STEEL PIPE, 2'-8" PAINT PIPE BRIGHT YELLOW (REMOVABLE).
 - E. 2" WIDE REFLECTIVE TAPE, AS APPROVED BY ENGINEER, LOCATE AROUND PIPE AS SHOWN.
 - F. 1/4" THICK STEEL SAFETY GUARD BOX. OPEN ON ONE SIDE & BOTTOM. WELD ALL SEAMS.
 - G. 3/4" X 8" GALV. HEX. BOLT W/A 3/8" DIA. HOLE FOR PADLOCK. (PADLOCK FURNISHED BY CITY).
 - H. 1/4" X 6 5/8" DIA. STEEL PLATE COVER, WELDED TO PIPE.



REV. No.	DATE	DESCRIPTION	APPROVED

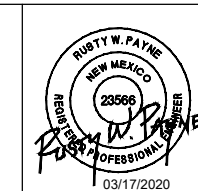
New Mexico One Call, Inc. Call 2 days before you dig!
NMOC Dial 811 or 1-800-321-2537
 Professional Resources for Damage Prevention



Alta Vista Compliance Improvements

STANDARD DETAILS

CITY OF ALAMOGORDO, NEW MEXICO, ENGINEERING DEPARTMENT

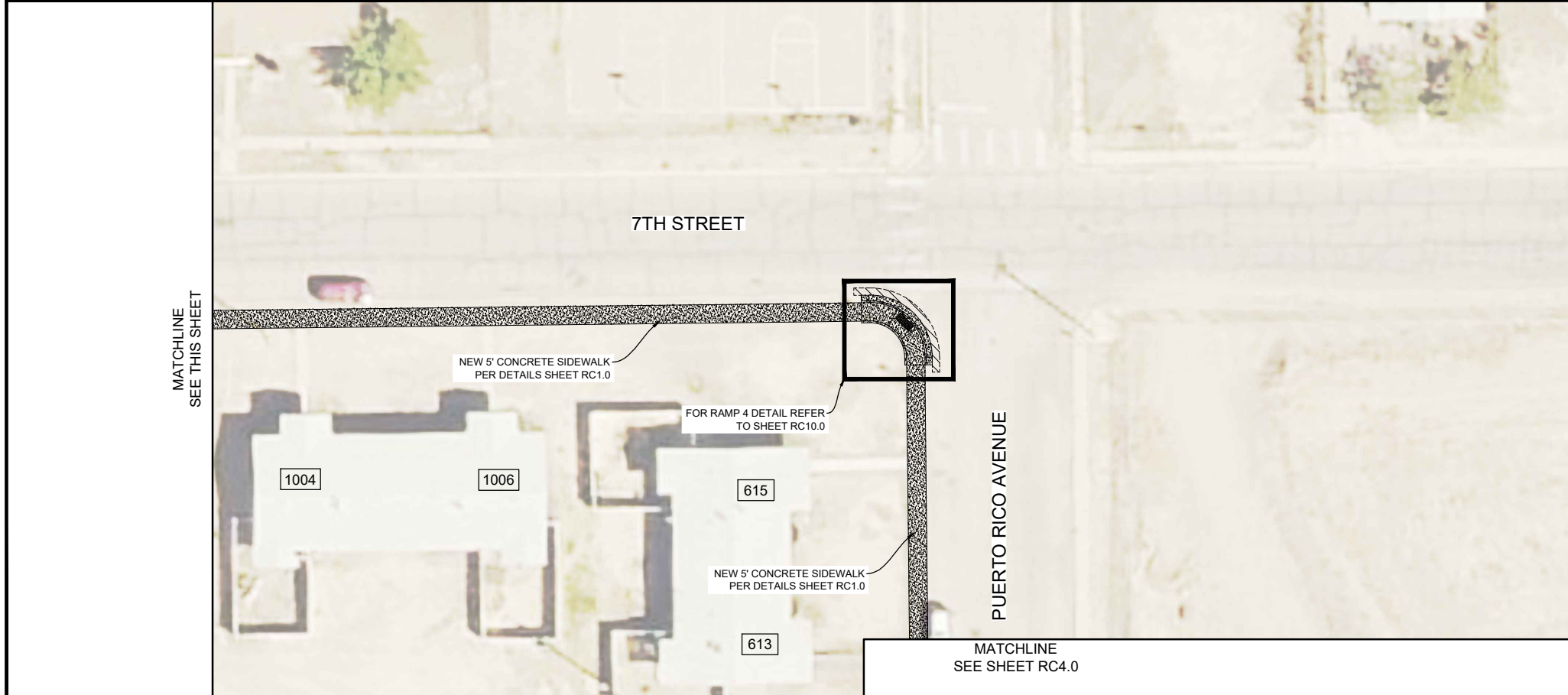
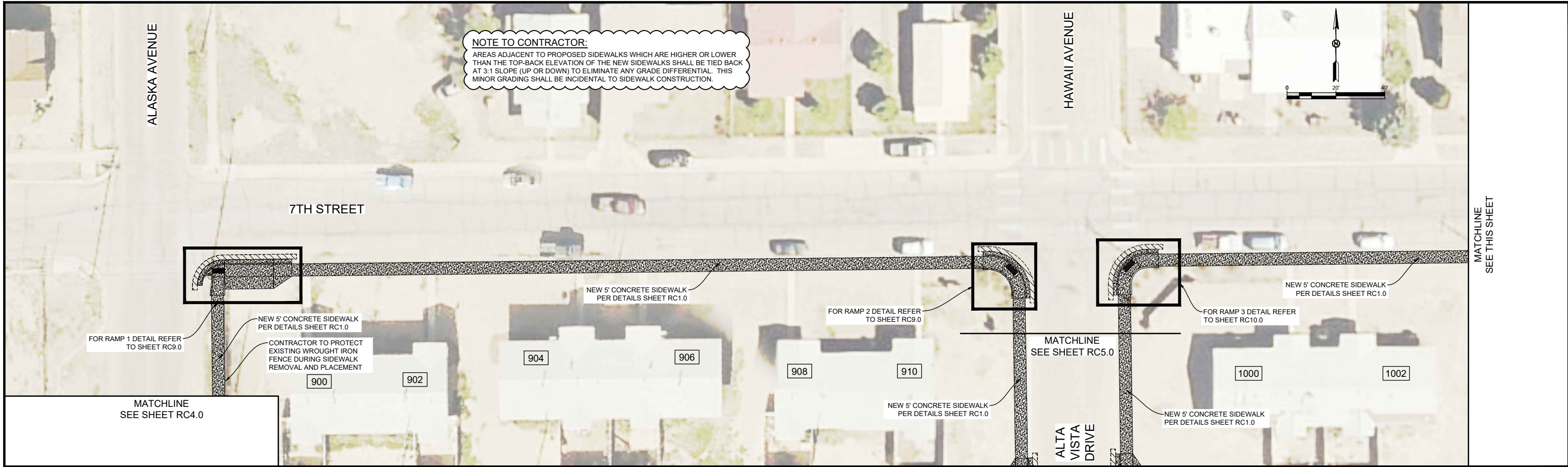


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Sheet No.: **RC2.0**
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 HP1801

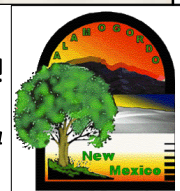


NOTE TO CONTRACTOR:
 AREAS ADJACENT TO PROPOSED SIDEWALKS WHICH ARE HIGHER OR LOWER THAN THE TOP-BACK ELEVATION OF THE NEW SIDEWALKS SHALL BE TIED BACK AT 3:1 SLOPE (UP OR DOWN) TO ELIMINATE ANY GRADE DIFFERENTIAL. THIS MINOR GRADING SHALL BE INCIDENTAL TO SIDEWALK CONSTRUCTION.

LEGEND - PAVING	
	NEW ASPHALT PAVEMENT
	BASE BID - 5' CONCRETE SIDEWALK
	BASE BID - 8" THICK CONCRETE PAD
	ADD. ALT. 1 - 5' CONCRETE SIDEWALK
	USPS MAILBOX SEE SHEET RC1.0
	BASE BID - CONCRETE ALLEY PAD
	NEW CURB & GUTTER
	EXISTING BUILDING
PI	POINT OF INTERSECTION
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSED CURVE

REV. No.	DATE	DESCRIPTION	APPROVED

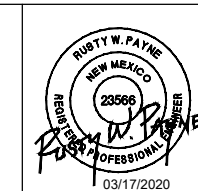
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Alta Vista Compliance Improvements

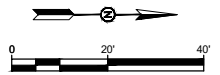
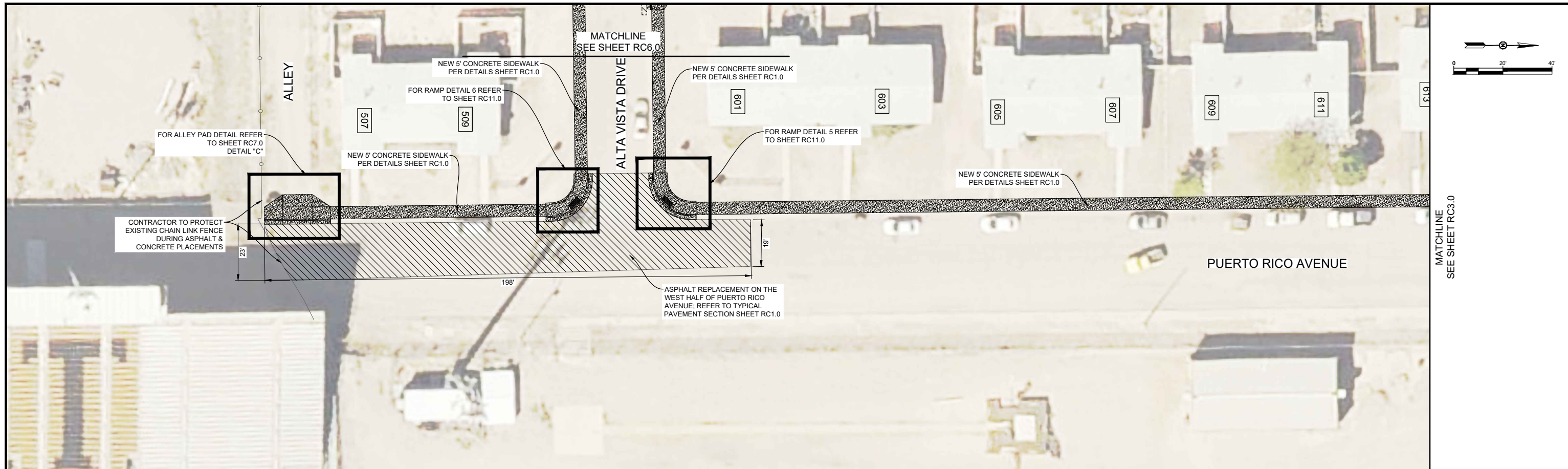
BASE BID SIDEWALK IMPROVEMENT PLAN

CITY OF ALAMOGORDO, NEW MEXICO, ENGINEERING DEPARTMENT

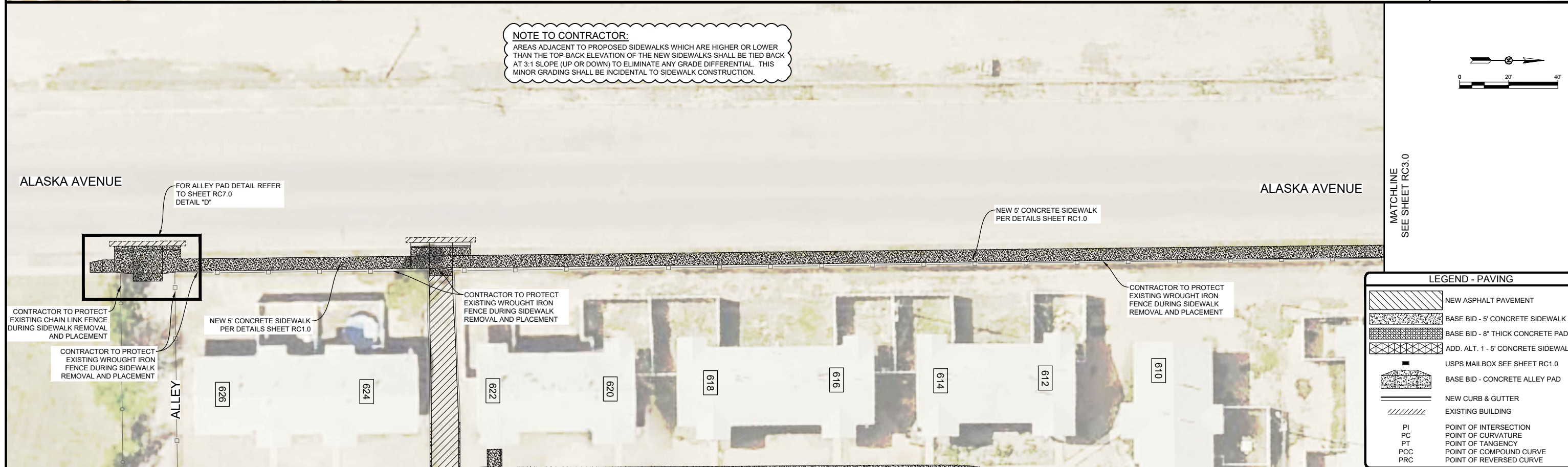
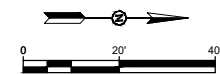


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 Drawn By: SJJ Designed By: SJJ
 Checked By: RP Approved By: COA
 Scale: HORIZ. BAR SCALE
 INCLUDE VERT SCALE ON P&P

Sheet No.: **RC3.0**
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 HP1801



NOTE TO CONTRACTOR:
 AREAS ADJACENT TO PROPOSED SIDEWALKS WHICH ARE HIGHER OR LOWER THAN THE TOP-BACK ELEVATION OF THE NEW SIDEWALKS SHALL BE TIED BACK AT 3:1 SLOPE (UP OR DOWN) TO ELIMINATE ANY GRADE DIFFERENTIAL. THIS MINOR GRADING SHALL BE INCIDENTAL TO SIDEWALK CONSTRUCTION.



LEGEND - PAVING

	NEW ASPHALT PAVEMENT
	BASE BID - 5' CONCRETE SIDEWALK
	BASE BID - 8" THICK CONCRETE PAD
	ADD. ALT. 1 - 5' CONCRETE SIDEWALK
	USPS MAILBOX SEE SHEET RC1.0
	BASE BID - CONCRETE ALLEY PAD
	NEW CURB & GUTTER
	EXISTING BUILDING
PI	POINT OF INTERSECTION
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSED CURVE

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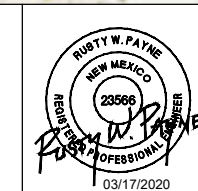
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 Professional Resources for Damage Prevention



Alta Vista Compliance Improvements

BASE BID SIDEWALK IMPROVEMENT PLAN

CITY OF ALAMOGORDO, NEW MEXICO, ENGINEERING DEPARTMENT



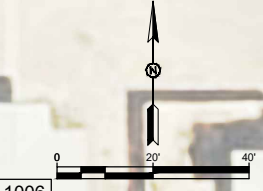
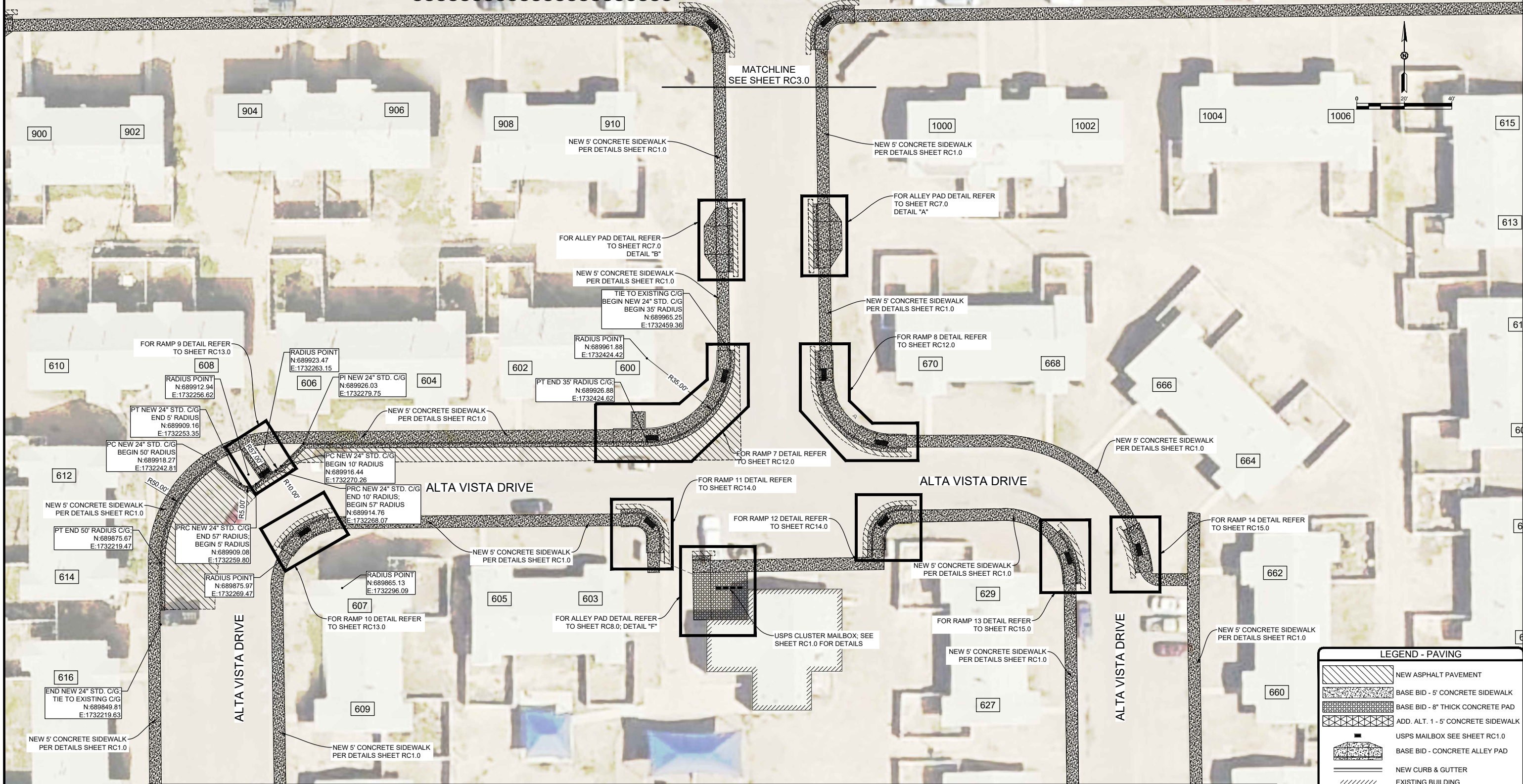
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Sheet No.: **RC4.0**
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 HP1801

7TH STREET

7TH STREET

NOTE TO CONTRACTOR:
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LEGEND - PAVING	
	NEW ASPHALT PAVEMENT
	BASE BID - 5' CONCRETE SIDEWALK
	BASE BID - 8" THICK CONCRETE PAD
	ADD. ALT. 1 - 5' CONCRETE SIDEWALK
	USPS MAILBOX SEE SHEET RC1.0
	BASE BID - CONCRETE ALLEY PAD
	NEW CURB & GUTTER
	EXISTING BUILDING
PI	POINT OF INTERSECTION
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSED CURVE

REV. No.	DATE	DESCRIPTION	APPROVED

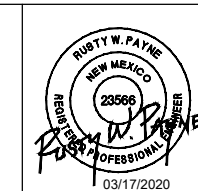
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Alta Vista Compliance Improvements

BASE BID SIDEWALK IMPROVEMENT PLAN

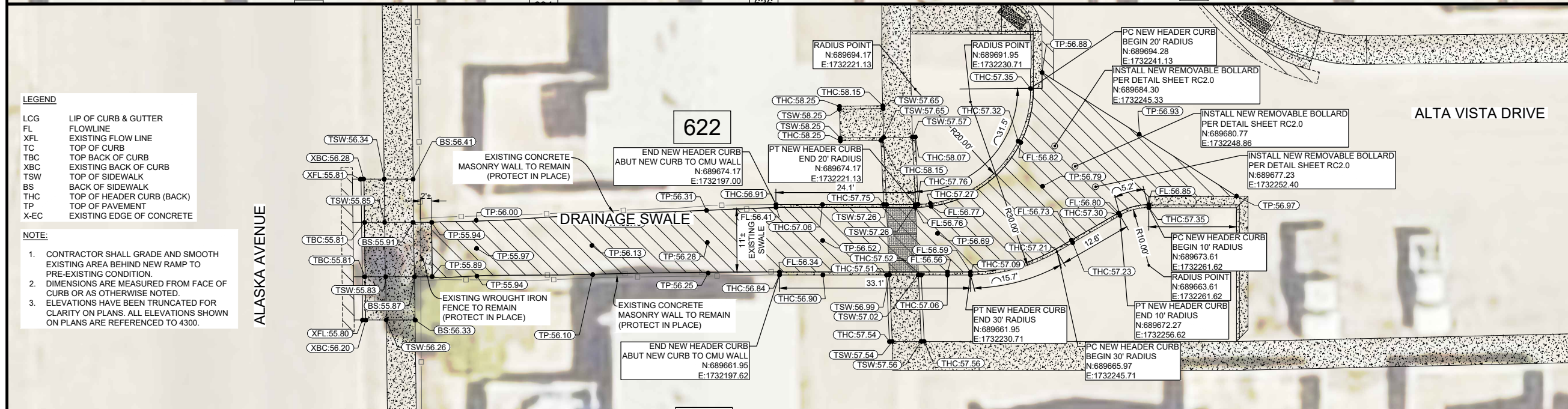
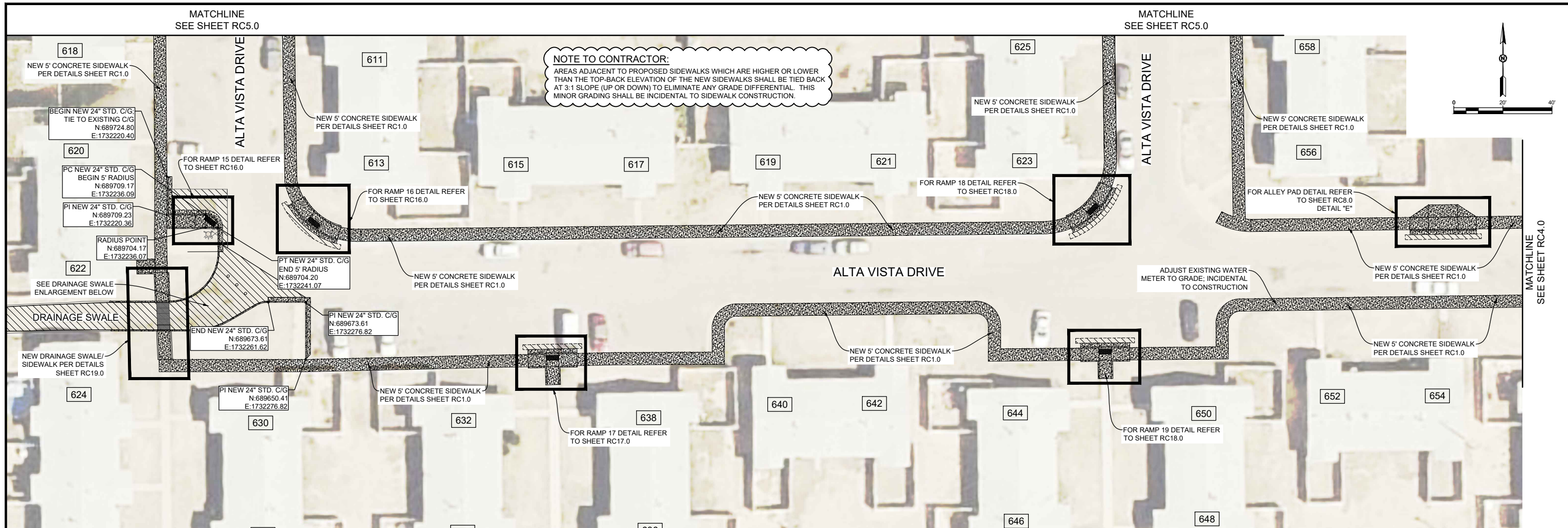
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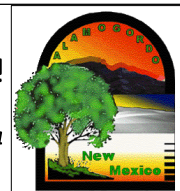
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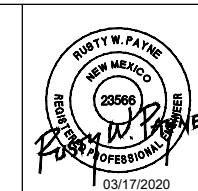
BASE BID - DRAINAGE SWALE RESURFACING ASPHALT PAVEMENT

REV. No.	DATE	DESCRIPTION	APPROVED

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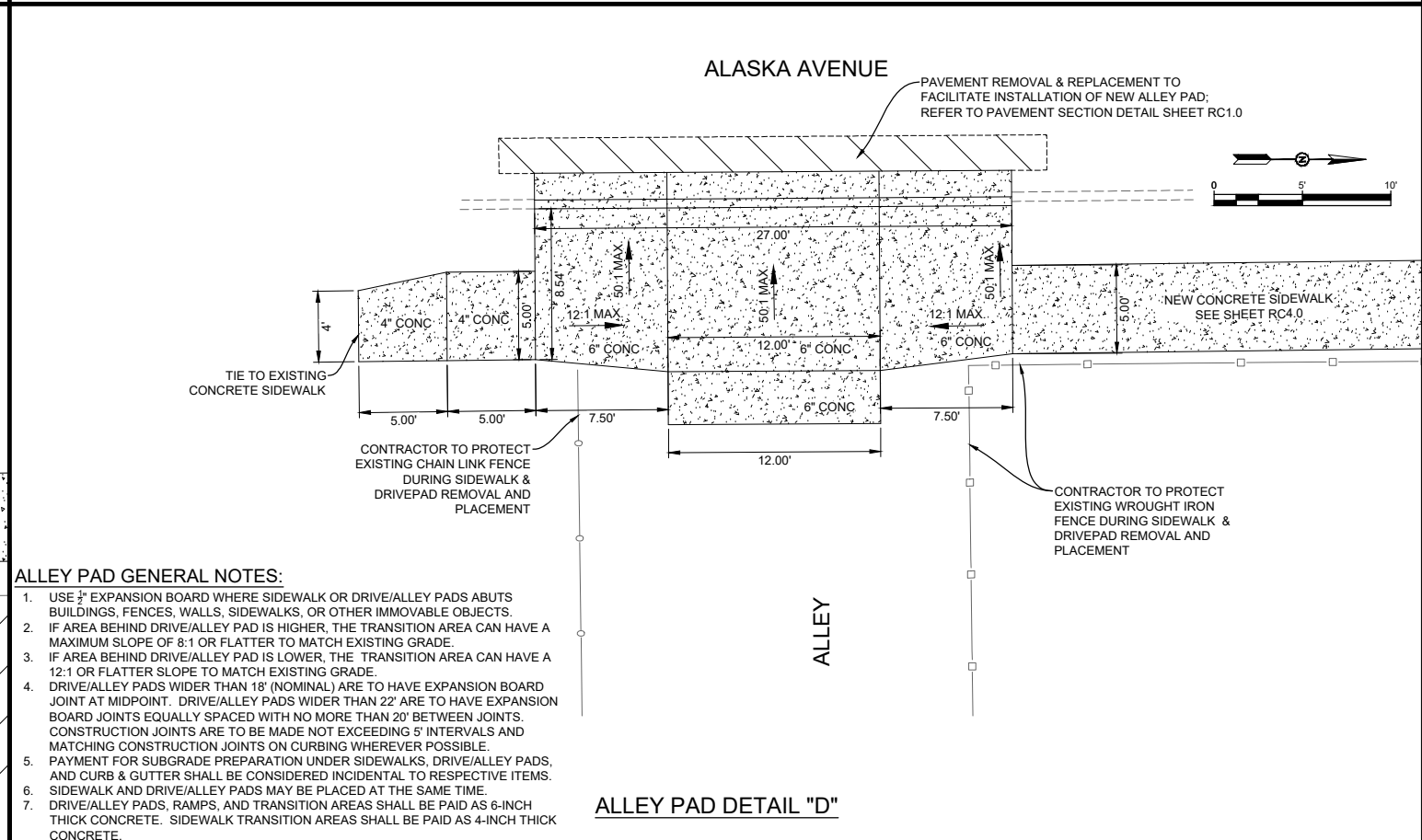
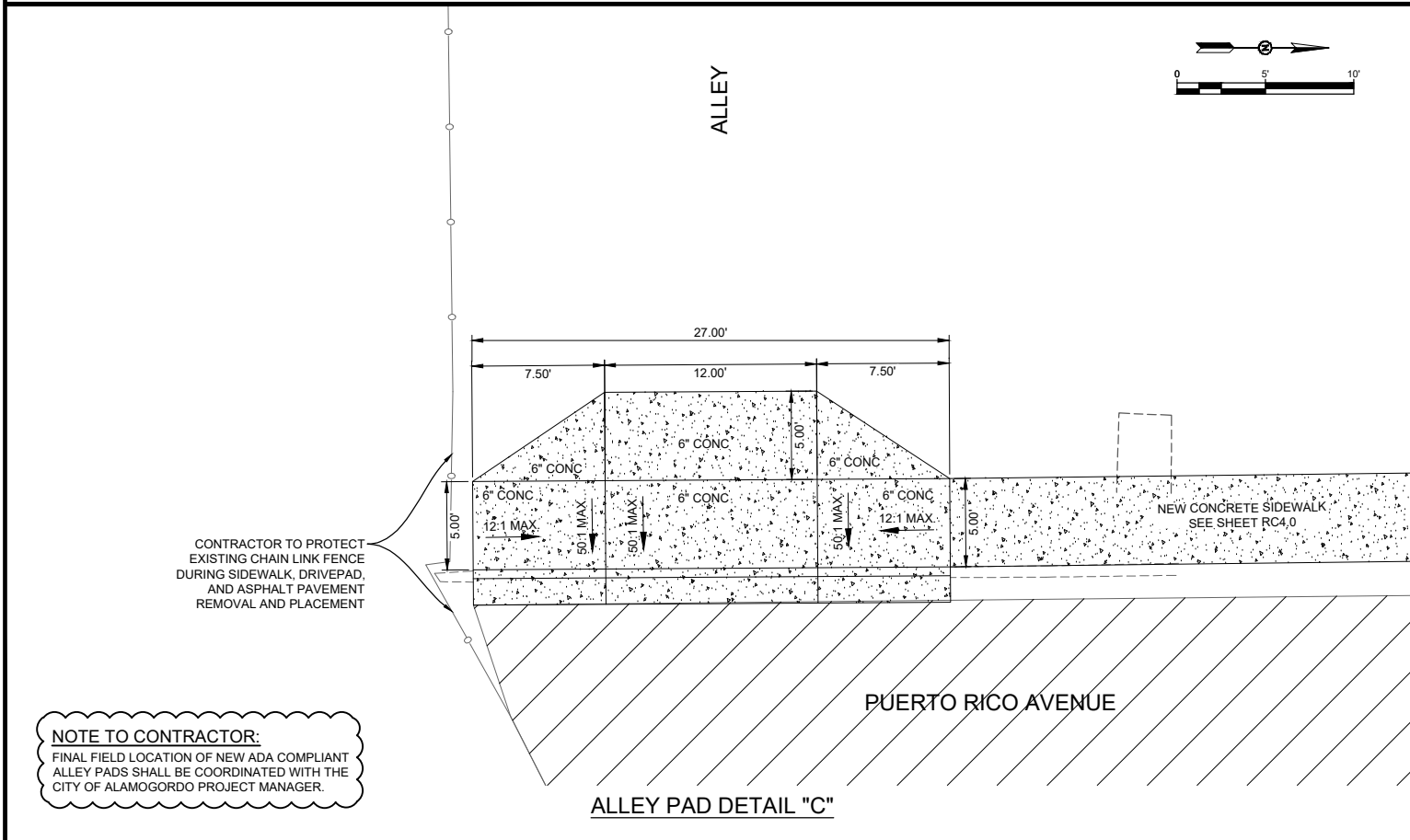
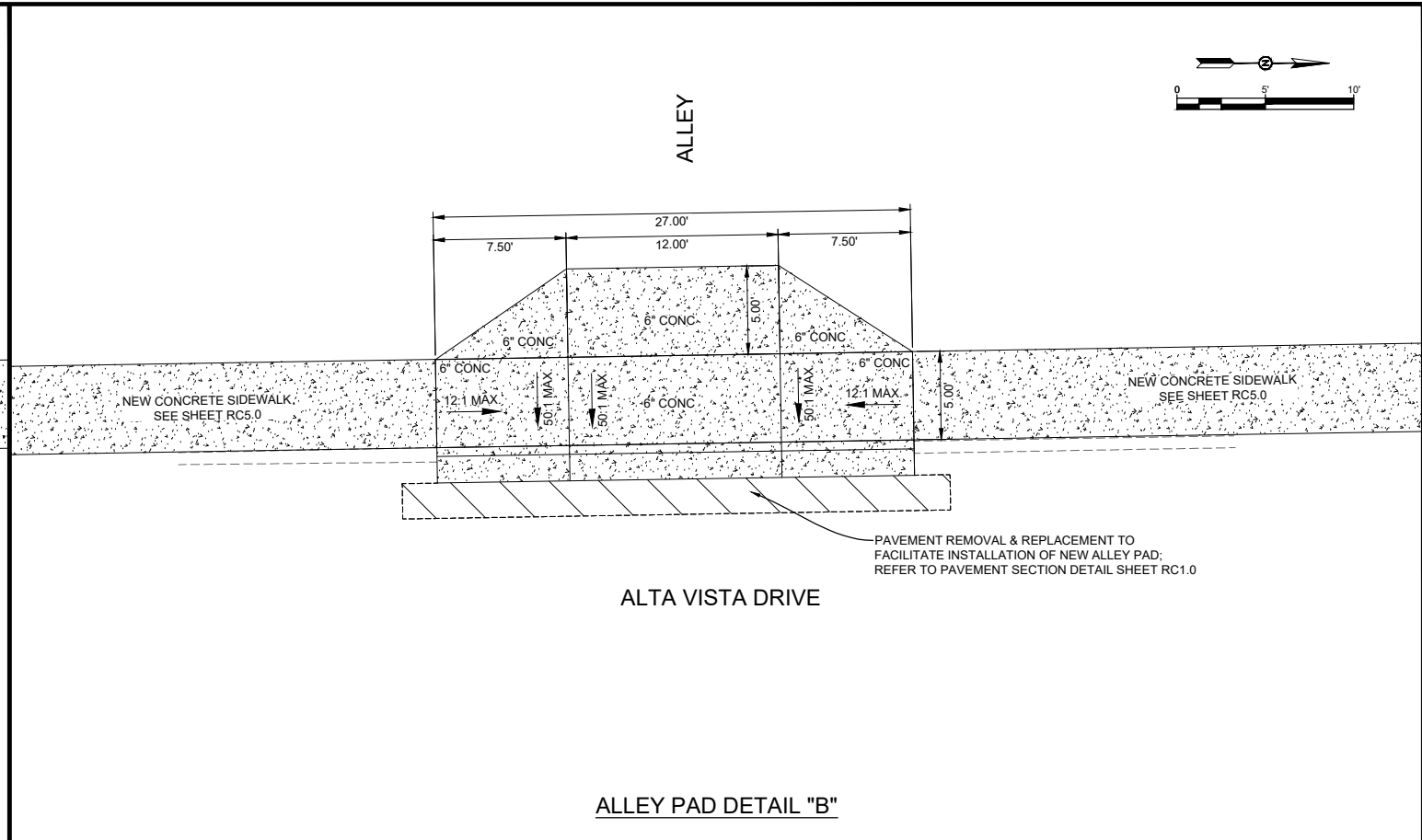
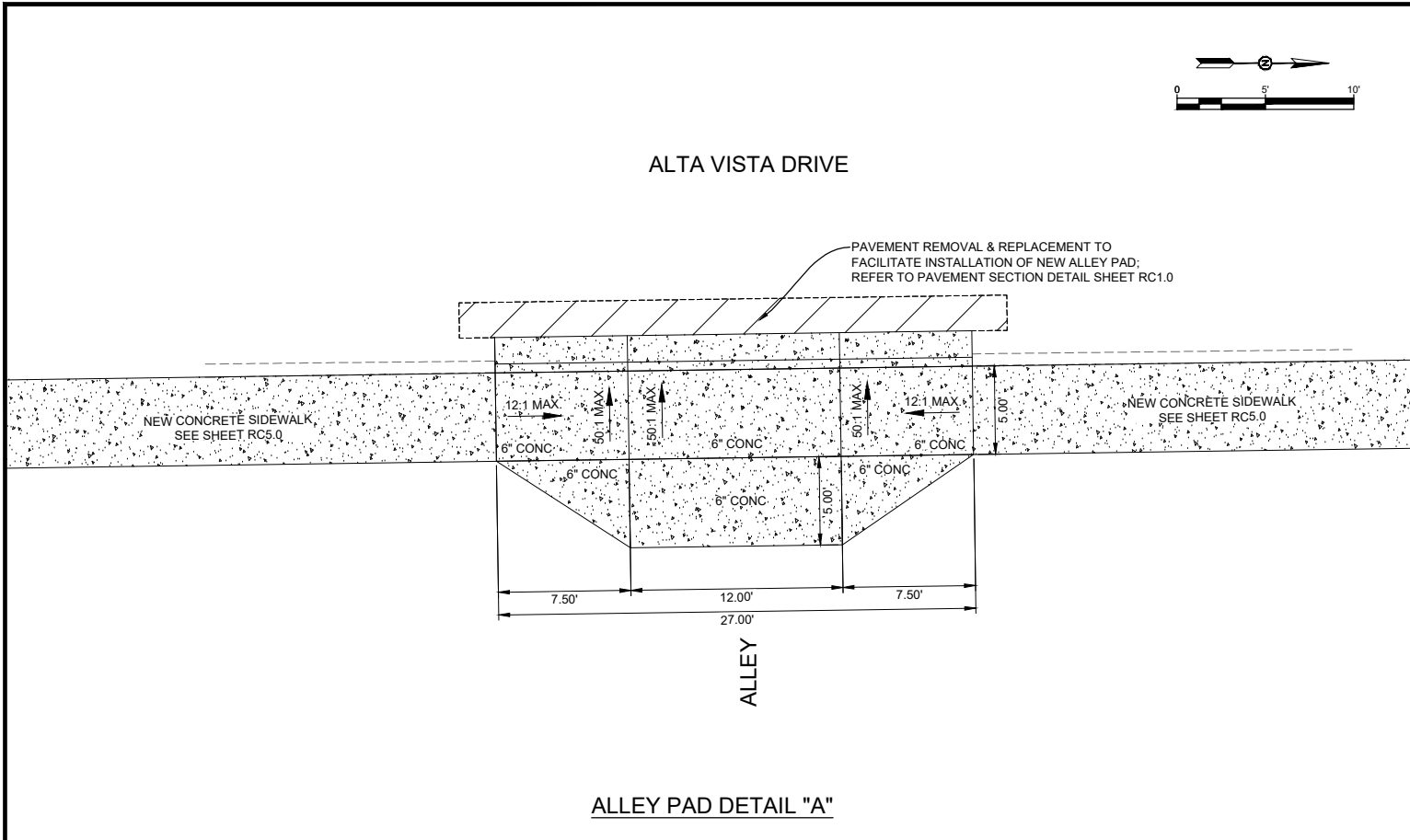


Alta Vista Compliance Improvements
BASE BID SIDEWALK IMPROVEMENT PLAN
 CITY OF ALAMOGORDO, NEW MEXICO, ENGINEERING DEPARTMENT



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- ALLEY PAD GENERAL NOTES:**
1. USE 1/2" EXPANSION BOARD WHERE SIDEWALK OR DRIVE/ALLEY PADS ABUTS BUILDINGS, FENCES, WALLS, SIDEWALKS, OR OTHER IMMOVABLE OBJECTS.
 2. IF AREA BEHIND DRIVE/ALLEY PAD IS HIGHER, THE TRANSITION AREA CAN HAVE A MAXIMUM SLOPE OF 8:1 OR FLATTER TO MATCH EXISTING GRADE.
 3. IF AREA BEHIND DRIVE/ALLEY PAD IS LOWER, THE TRANSITION AREA CAN HAVE A 12:1 OR FLATTER SLOPE TO MATCH EXISTING GRADE.
 4. DRIVE/ALLEY PADS WIDER THAN 18' (NOMINAL) ARE TO HAVE EXPANSION BOARD JOINT AT MIDPOINT. DRIVE/ALLEY PADS WIDER THAN 22' ARE TO HAVE EXPANSION BOARD JOINTS EQUALLY SPACED WITH NO MORE THAN 20' BETWEEN JOINTS. CONSTRUCTION JOINTS ARE TO BE MADE NOT EXCEEDING 5' INTERVALS AND MATCHING CONSTRUCTION JOINTS ON CURBING WHEREVER POSSIBLE.
 5. PAYMENT FOR SUBGRADE PREPARATION UNDER SIDEWALKS, DRIVE/ALLEY PADS, AND CURB & GUTTER SHALL BE CONSIDERED INCIDENTAL TO RESPECTIVE ITEMS.
 6. SIDEWALK AND DRIVE/ALLEY PADS MAY BE PLACED AT THE SAME TIME.
 7. DRIVE/ALLEY PADS, RAMPS, AND TRANSITION AREAS SHALL BE PAID AS 6-INCH THICK CONCRETE. SIDEWALK TRANSITION AREAS SHALL BE PAID AS 4-INCH THICK CONCRETE.

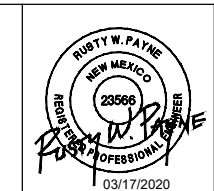
NOTE TO CONTRACTOR:
FINAL FIELD LOCATION OF NEW ADA COMPLIANT ALLEY PADS SHALL BE COORDINATED WITH THE CITY OF ALAMOGORDO PROJECT MANAGER.

REV. No.	DATE	DESCRIPTION	APPROVED

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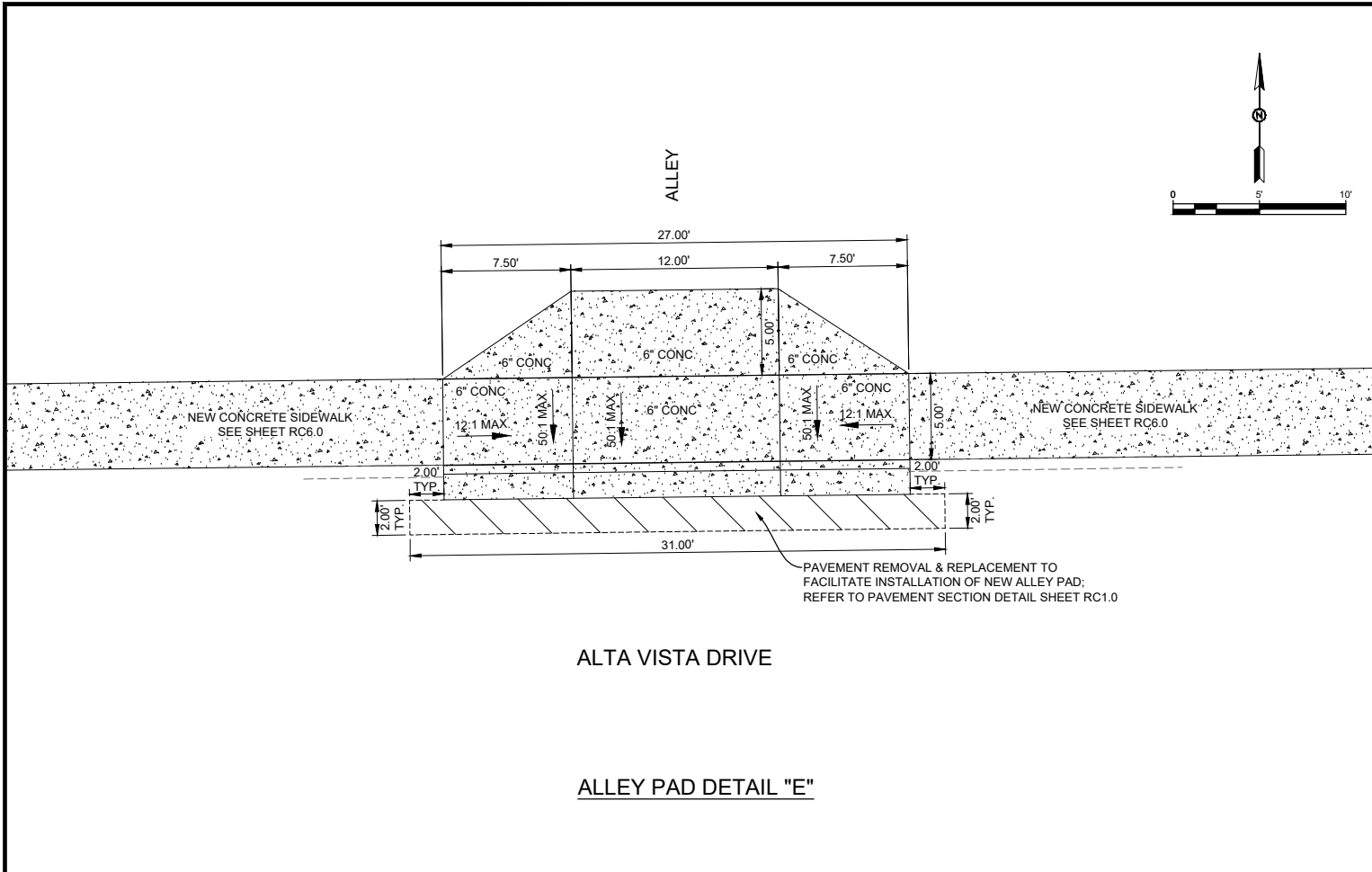
Alta Vista Compliance Improvements
BASE BID ALLEY PAD LAYOUT
 CITY OF ALAMOGORDO, NEW MEXICO, ENGINEERING DEPARTMENT



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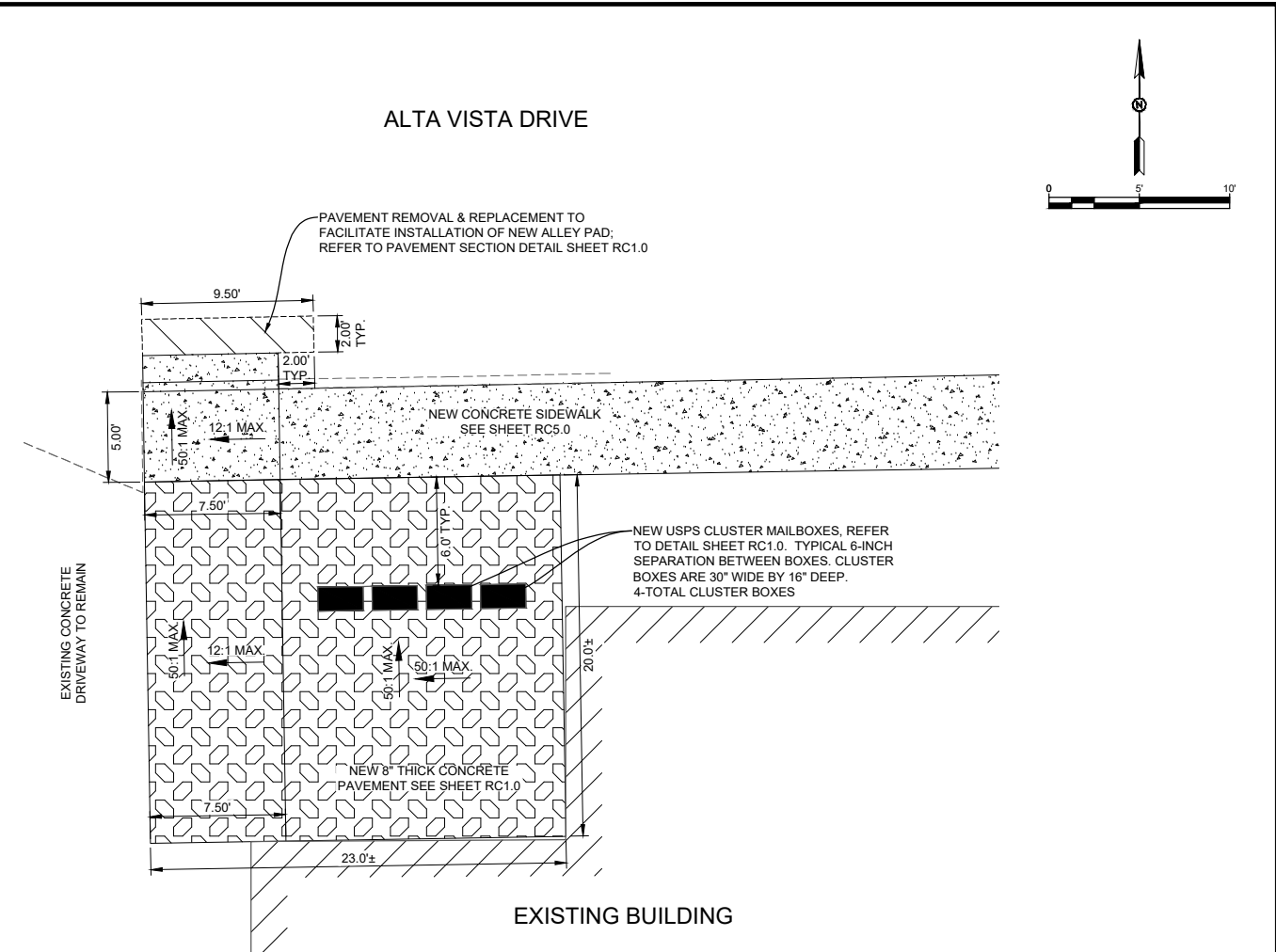
Public Works Bid No.: 2020-004
 Drawn By: SJJ Designed By: SJJ
 Checked By: RP Approved By: COA
 Scale: HORIZ. BAR SCALE
 INCLUDE VERT SCALE ON P&P

Sheet No.: **RC7.0**
 Sheet 13 of 29
 HP1801



ALTA VISTA DRIVE

ALLEY PAD DETAIL "E"



ALTA VISTA DRIVE

ALLEY PAD DETAIL "F"

8" CONCRETE PAVEMENT GENERAL NOTES:

1. USE 1/2" EXPANSION BOARD WHERE SIDEWALK OR DRIVE/ALLEY PADS ABUTS BUILDINGS, FENCES, WALLS, SIDEWALKS, OR OTHER IMMOVABLE OBJECTS.
2. GRADES ON NEW 8" CONCRETE PAVEMENT SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ABUTTING EXISTING BUILDING.
3. DRIVE/ALLEY PADS WIDER THAN 18' (NOMINAL) ARE TO HAVE EXPANSION BOARD JOINT AT MIDPOINT. DRIVE/ALLEY PADS WIDER THAN 22' ARE TO HAVE EXPANSION BOARD JOINTS EQUALLY SPACED WITH NO MORE THAN 20' BETWEEN JOINTS. CONSTRUCTION JOINTS ARE TO BE MADE NOT EXCEEDING 5' INTERVALS AND MATCHING CONSTRUCTION JOINTS ON CURBING WHEREVER POSSIBLE.
4. REFER TO DETAIL ON SHEET RC1.0 FOR PAYMENT SCHEDULE FOR WORK INCLUDED WITH 8" CONCRETE PAVEMENT.
5. SIDEWALK AND DRIVE/ALLEY PADS MAY BE PLACED AT THE SAME TIME.

ALLEY PAD GENERAL NOTES:

1. USE 1/2" EXPANSION BOARD WHERE SIDEWALK OR DRIVE/ALLEY PADS ABUTS BUILDINGS, FENCES, WALLS, SIDEWALKS, OR OTHER IMMOVABLE OBJECTS.
2. IF AREA BEHIND DRIVE/ALLEY PAD IS HIGHER, THE TRANSITION AREA CAN HAVE A MAXIMUM SLOPE OF 8:1 OR FLATTER TO MATCH EXISTING GRADE.
3. IF AREA BEHIND DRIVE/ALLEY PAD IS LOWER, THE TRANSITION AREA CAN HAVE A 12:1 OR FLATTER SLOPE TO MATCH EXISTING GRADE.
4. DRIVE/ALLEY PADS WIDER THAN 18' (NOMINAL) ARE TO HAVE EXPANSION BOARD JOINT AT MIDPOINT. DRIVE/ALLEY PADS WIDER THAN 22' ARE TO HAVE EXPANSION BOARD JOINTS EQUALLY SPACED WITH NO MORE THAN 20' BETWEEN JOINTS. CONSTRUCTION JOINTS ARE TO BE MADE NOT EXCEEDING 5' INTERVALS AND MATCHING CONSTRUCTION JOINTS ON CURBING WHEREVER POSSIBLE.
5. PAYMENT FOR SUBGRADE PREPARATION UNDER SIDEWALKS, DRIVE/ALLEY PADS, AND CURB & GUTTER SHALL BE CONSIDERED INCIDENTAL TO RESPECTIVE ITEMS.
6. SIDEWALK AND DRIVE/ALLEY PADS MAY BE PLACED AT THE SAME TIME.
7. DRIVE/ALLEY PADS, RAMPS, AND TRANSITION AREAS SHALL BE PAID AS 6-INCH THICK CONCRETE. SIDEWALK TRANSITION AREAS SHALL BE PAID AS 4-INCH THICK CONCRETE.

NOTE TO CONTRACTOR:

FINAL FIELD LOCATION OF NEW ADA COMPLIANT ALLEY PADS SHALL BE COORDINATED WITH THE CITY OF ALAMOGORDO PROJECT MANAGER.

REV. No.	DATE	DESCRIPTION	APPROVED

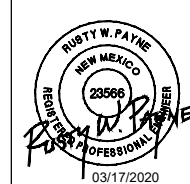
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Alta Vista Compliance Improvements

BASE BID ALLEY PAD LAYOUT

CITY OF ALAMOGORDO, NEW MEXICO, ENGINEERING DEPARTMENT

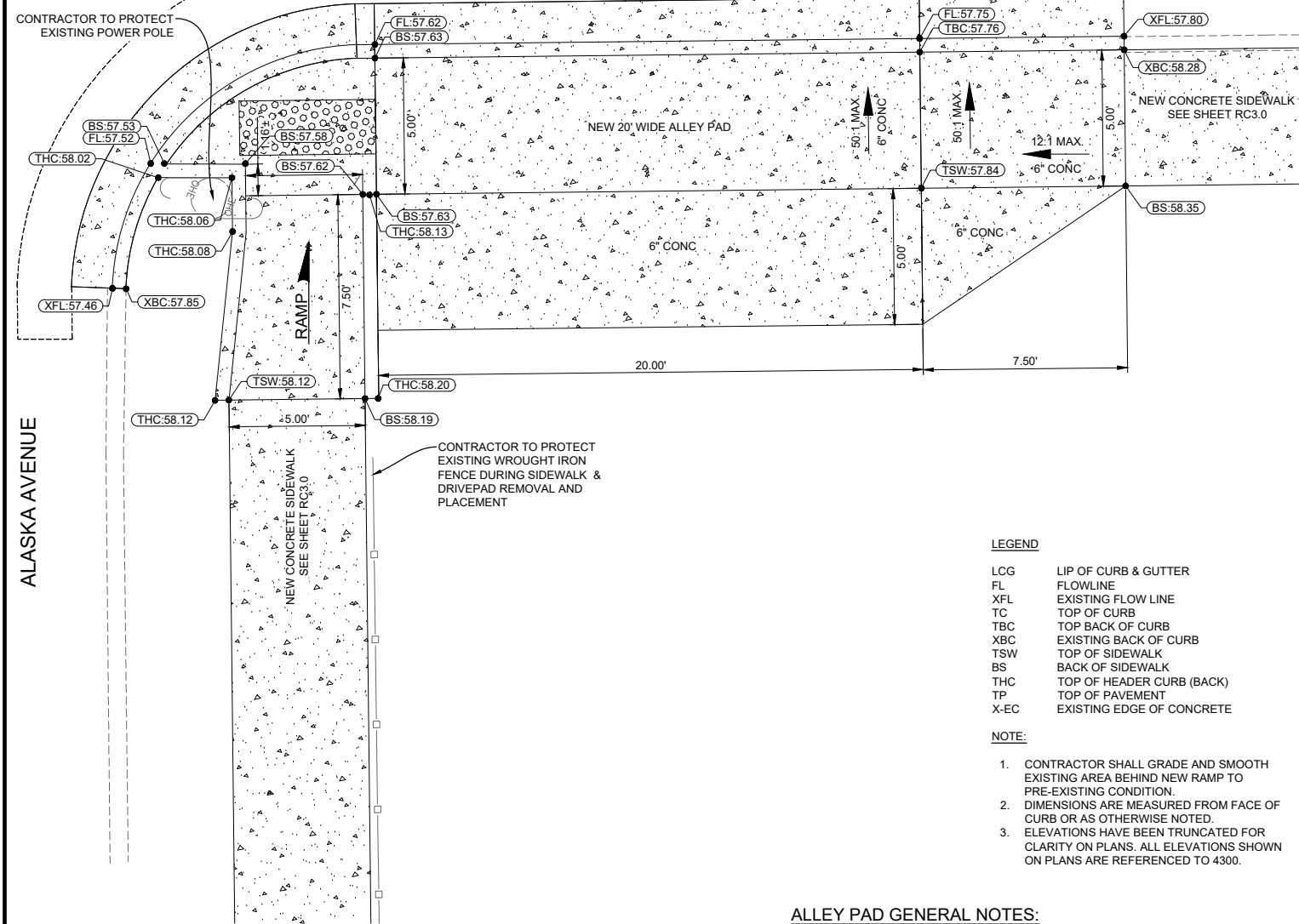


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Public Works Bid No.: 2020-004	Sheet No.:
Drawn By: SJJ Designed By: SJJ	RC8.0
Checked By: RP Approved By: COA	Sheet 14 of 29
Scale: HORIZ. BAR SCALE INCLUDE VERT SCALE ON P&P	HP1801

LIP OF CURB DATA
 $\Delta=085^{\circ}56'31"$
 $R=10.79'$
 $L=16.19'$
 $T=10.05'$
 RADIUS POINT
 N:690095.50
 E:1732129.45

CONTRACTOR TO PROTECT
 EXISTING POWER POLE



RAMP 1 - DETAIL

NOTE TO CONTRACTOR:

1. FINAL FIELD LOCATION OF NEW ADA COMPLIANT RAMPS SHALL BE COORDINATED WITH THE CITY OF ALAMOGORDO PROJECT MANAGER.
2. REFER TO SHEET RC2.0 FOR TYPICAL RAMP PAY ITEM DESCRIPTION.

LEGEND

- LCG LIP OF CURB & GUTTER
- FL FLOWLINE
- XFL EXISTING FLOW LINE
- TC TOP OF CURB
- TBC TOP BACK OF CURB
- XBC EXISTING BACK OF CURB
- TSW TOP OF SIDEWALK
- BS BACK OF SIDEWALK
- THC TOP OF HEADER CURB (BACK)
- TP TOP OF PAVEMENT
- X-EC EXISTING EDGE OF CONCRETE

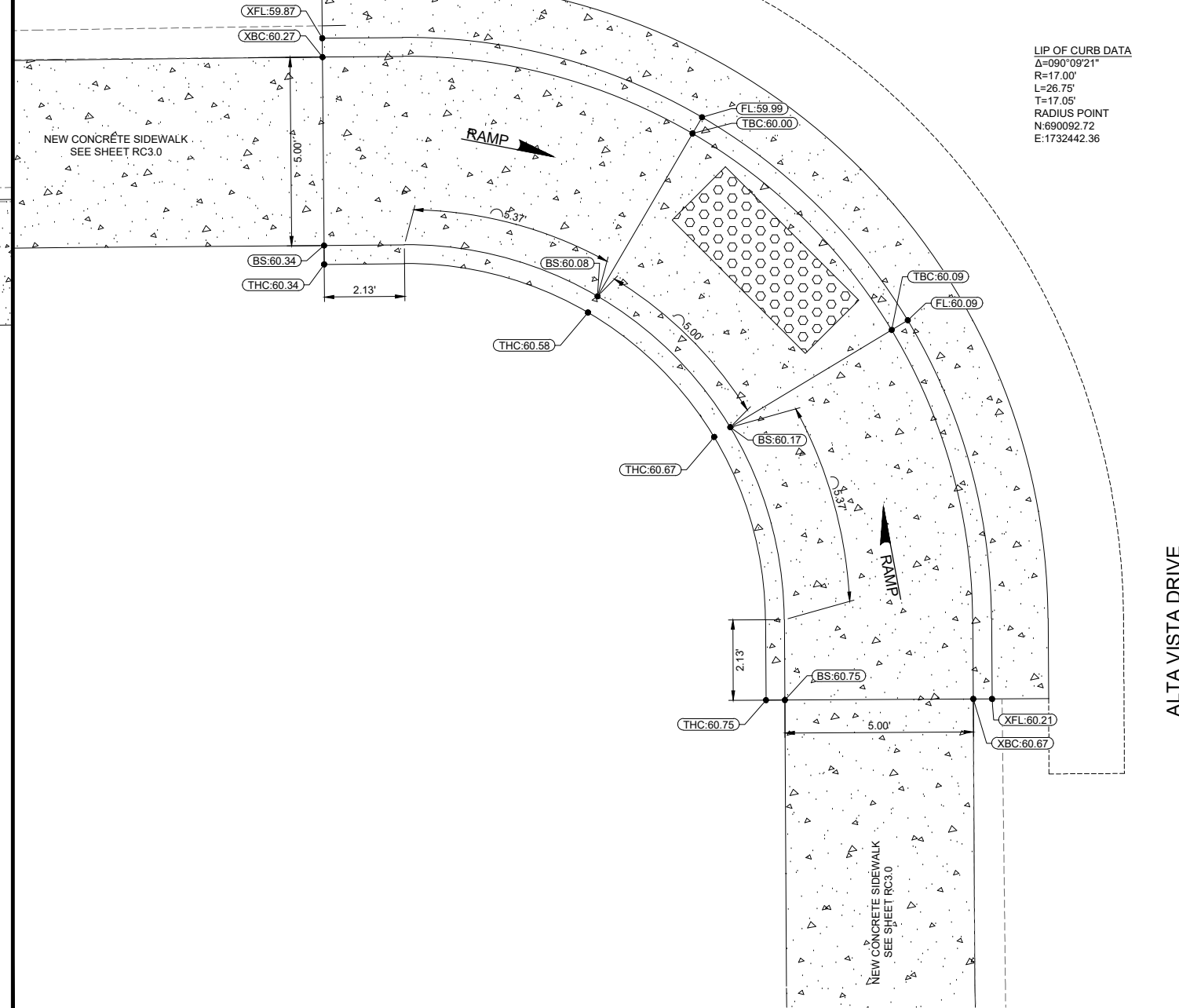
NOTE:

1. CONTRACTOR SHALL GRADE AND SMOOTH EXISTING AREA BEHIND NEW RAMP TO PRE-EXISTING CONDITION.
2. DIMENSIONS ARE MEASURED FROM FACE OF CURB OR AS OTHERWISE NOTED.
3. ELEVATIONS HAVE BEEN TRUNCATED FOR CLARITY ON PLANS. ALL ELEVATIONS SHOWN ON PLANS ARE REFERENCED TO 4300.

ALLEY PAD GENERAL NOTES:

1. USE 2" EXPANSION BOARD WHERE SIDEWALK OR DRIVE/ALLEY PADS ABUTS BUILDINGS, FENCES, WALLS, SIDEWALKS, OR OTHER IMMOVABLE OBJECTS.
2. IF AREA BEHIND DRIVE/ALLEY PAD IS HIGHER, THE TRANSITION AREA CAN HAVE A MAXIMUM SLOPE OF 8:1 OR FLATTER TO MATCH EXISTING GRADE.
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5. PAYMENT FOR SUBGRADE PREPARATION UNDER SIDEWALKS, DRIVE/ALLEY PADS, AND CURB & GUTTER SHALL BE CONSIDERED INCIDENTAL TO RESPECTIVE ITEMS. SIDEWALK AND DRIVE/ALLEY PADS MAY BE PLACED AT THE SAME TIME.
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7TH STREET



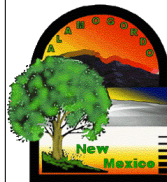
RAMP 2 - DETAIL

LIP OF CURB DATA
 $\Delta=090^{\circ}09'21"$
 $R=17.00'$
 $L=26.75'$
 $T=17.05'$
 RADIUS POINT
 N:690092.72
 E:1732442.36

ALASKA AVENUE

ALTA VISTA DRIVE

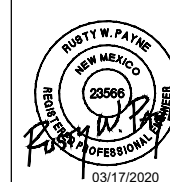
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Alta Vista Compliance Improvements

RAMP DETAILS

CITY OF ALAMOGORDO, NEW MEXICO, ENGINEERING DEPARTMENT



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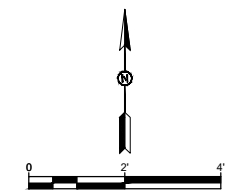
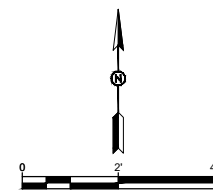
Public Works Bid No.: 2020-004
 Drawn By: SJJ Designed By: SJJ
 Checked By: RP Approved By: COA
 Scale: HORIZ. BAR SCALE
 INCLUDE VERT SCALE ON P&P

Sheet No.: RC9.0
 Sheet 15 of 29
 HP1801

REV. No.	DATE	DESCRIPTION	APPROVED

LIP OF CURB DATA
 $\Delta=090^{\circ}14'56''$
 R=12.50'
 L=19.69'
 T=12.55'
 RADIUS POINT
 N:690096.57
 E:1732507.37

LIP OF CURB DATA
 $\Delta=090^{\circ}26'01''$
 R=15.50'
 L=24.46'
 T=15.62'
 RADIUS POINT
 N:690097.21
 E:1732817.89

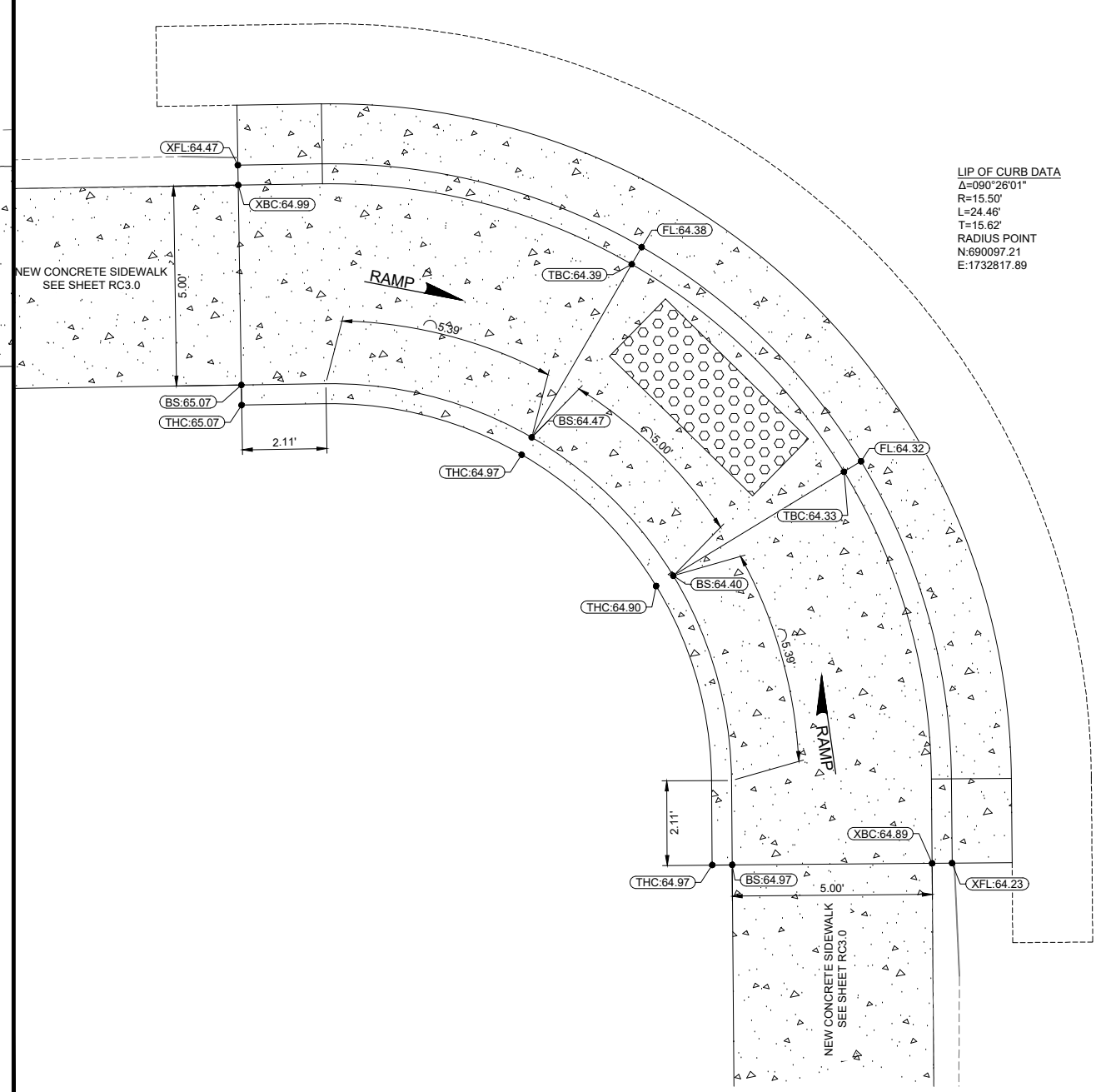
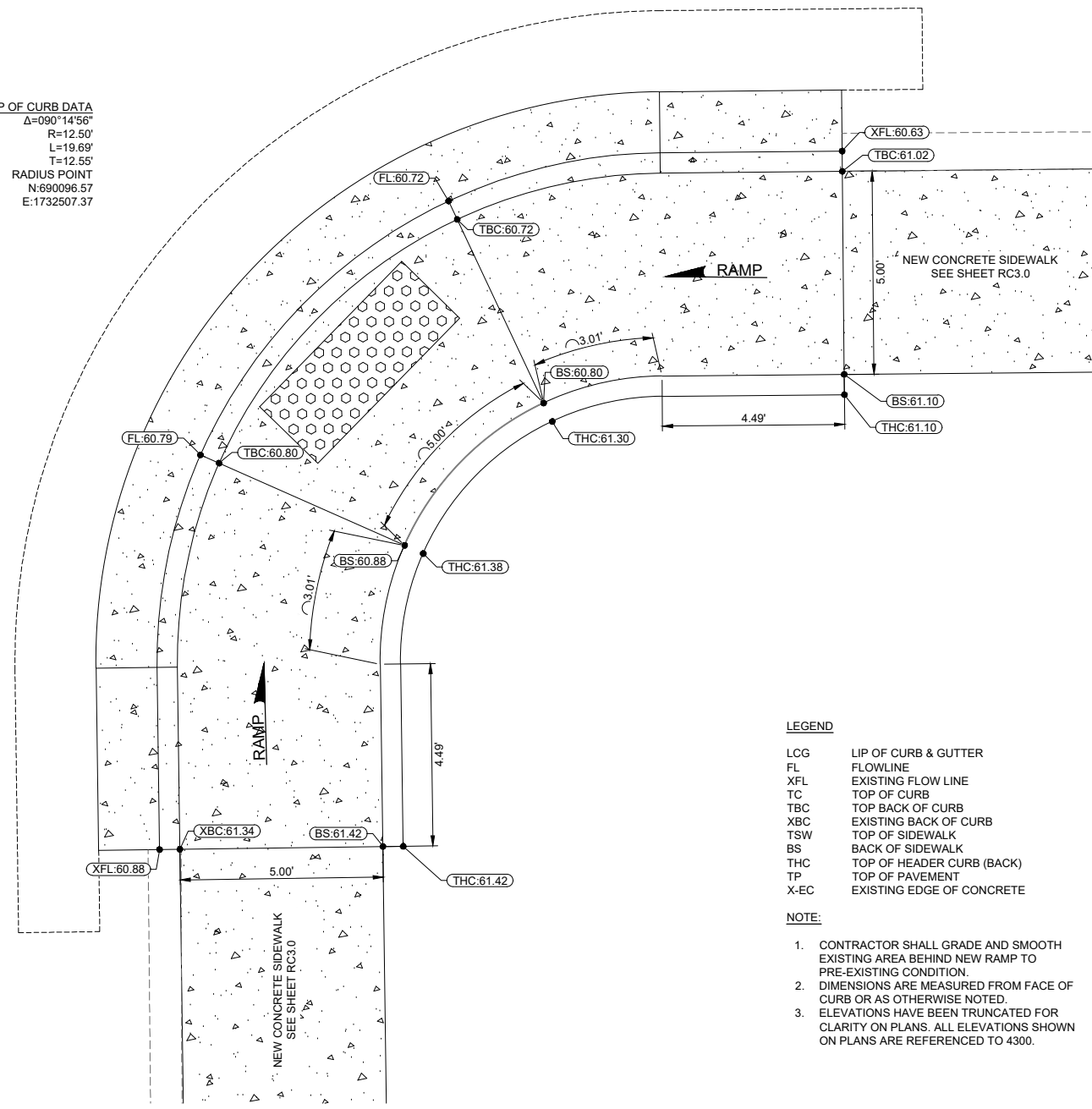


7TH STREET

7TH STREET

ALTA VISTA DRIVE

ALTA VISTA DRIVE



LEGEND

- LCG LIP OF CURB & GUTTER
- FL FLOWLINE
- XFL EXISTING FLOW LINE
- TC TOP OF CURB
- TBC TOP BACK OF CURB
- XBC EXISTING BACK OF CURB
- TSW TOP OF SIDEWALK
- BS BACK OF SIDEWALK
- THC TOP OF HEADER CURB (BACK)
- TP TOP OF PAVEMENT
- X-EC EXISTING EDGE OF CONCRETE

NOTE:

1. CONTRACTOR SHALL GRADE AND SMOOTH EXISTING AREA BEHIND NEW RAMP TO PRE-EXISTING CONDITION.
2. DIMENSIONS ARE MEASURED FROM FACE OF CURB OR AS OTHERWISE NOTED.
3. ELEVATIONS HAVE BEEN TRUNCATED FOR CLARITY ON PLANS. ALL ELEVATIONS SHOWN ON PLANS ARE REFERENCED TO 4300.

RAMP 3 - DETAIL

RAMP 4 - DETAIL

NOTE TO CONTRACTOR:

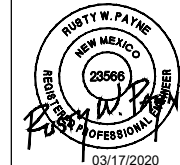
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2. REFER TO SHEET RC2.0 FOR TYPICAL RAMP PAY ITEM DESCRIPTION.

Alta Vista Compliance Improvements

RAMP DETAILS

CITY OF ALAMOGORDO, NEW MEXICO, ENGINEERING DEPARTMENT

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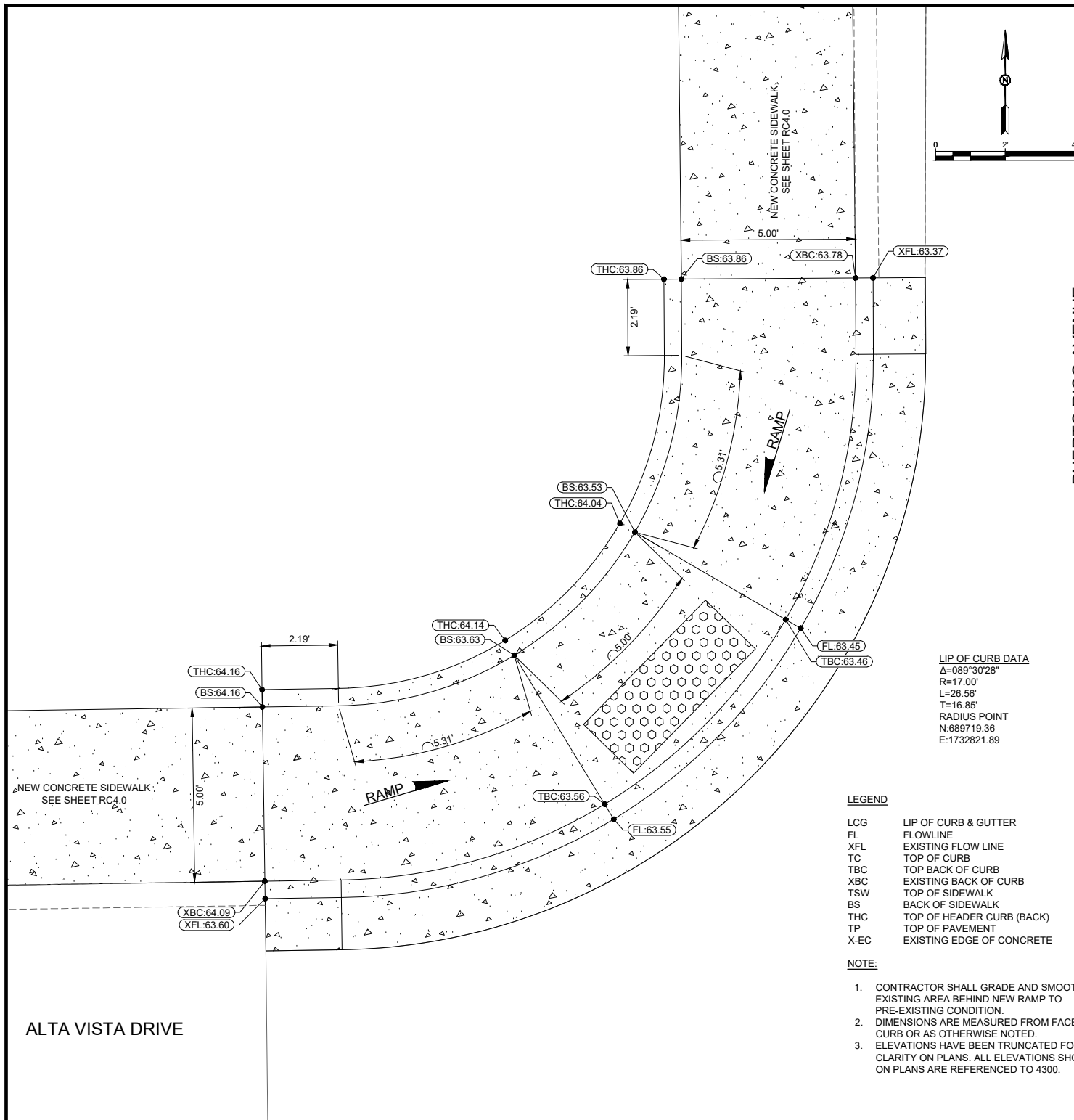


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 Scale: HORIZ. BAR SCALE
 INCLUDE VERT SCALE ON P&P

Sheet No.: RC10.0
 Sheet 16 of 29
 HP1801

REV. No.	DATE	DESCRIPTION	APPROVED



LIP OF CURB DATA
 $\Delta=089^{\circ}30'28''$
 $R=17.00'$
 $L=26.56'$
 $T=16.85'$
 RADIUS POINT
 N:689719.36
 E:1732821.89

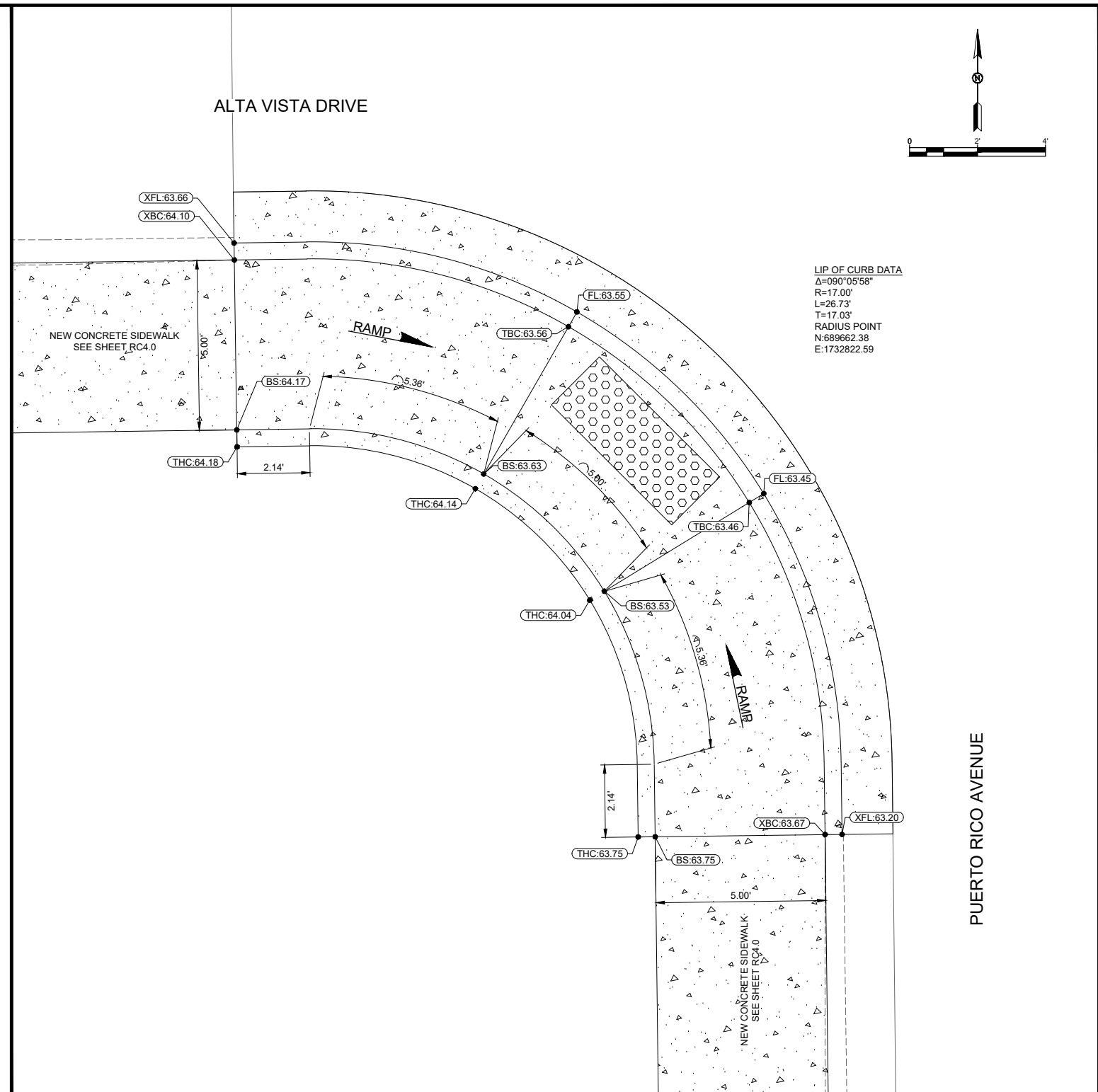
LEGEND

- LCG LIP OF CURB & GUTTER
- FL FLOWLINE
- XFL EXISTING FLOW LINE
- TC TOP OF CURB
- TBC TOP BACK OF CURB
- XBC EXISTING BACK OF CURB
- TSW TOP OF SIDEWALK
- BS BACK OF SIDEWALK
- THC TOP OF HEADER CURB (BACK)
- TP TOP OF PAVEMENT
- X-EC EXISTING EDGE OF CONCRETE

NOTE:

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RAMP 5 - DETAIL



LIP OF CURB DATA
 $\Delta=090^{\circ}05'58''$
 $R=17.00'$
 $L=26.73'$
 $T=17.03'$
 RADIUS POINT
 N:689682.38
 E:1732822.59

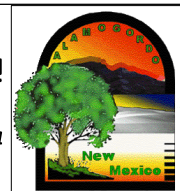
RAMP 6 - DETAIL

NOTE TO CONTRACTOR:

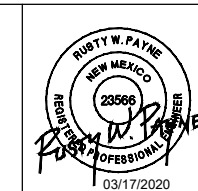
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RAMP DETAILS
 CITY OF ALAMOGORDO, NEW MEXICO, ENGINEERING DEPARTMENT



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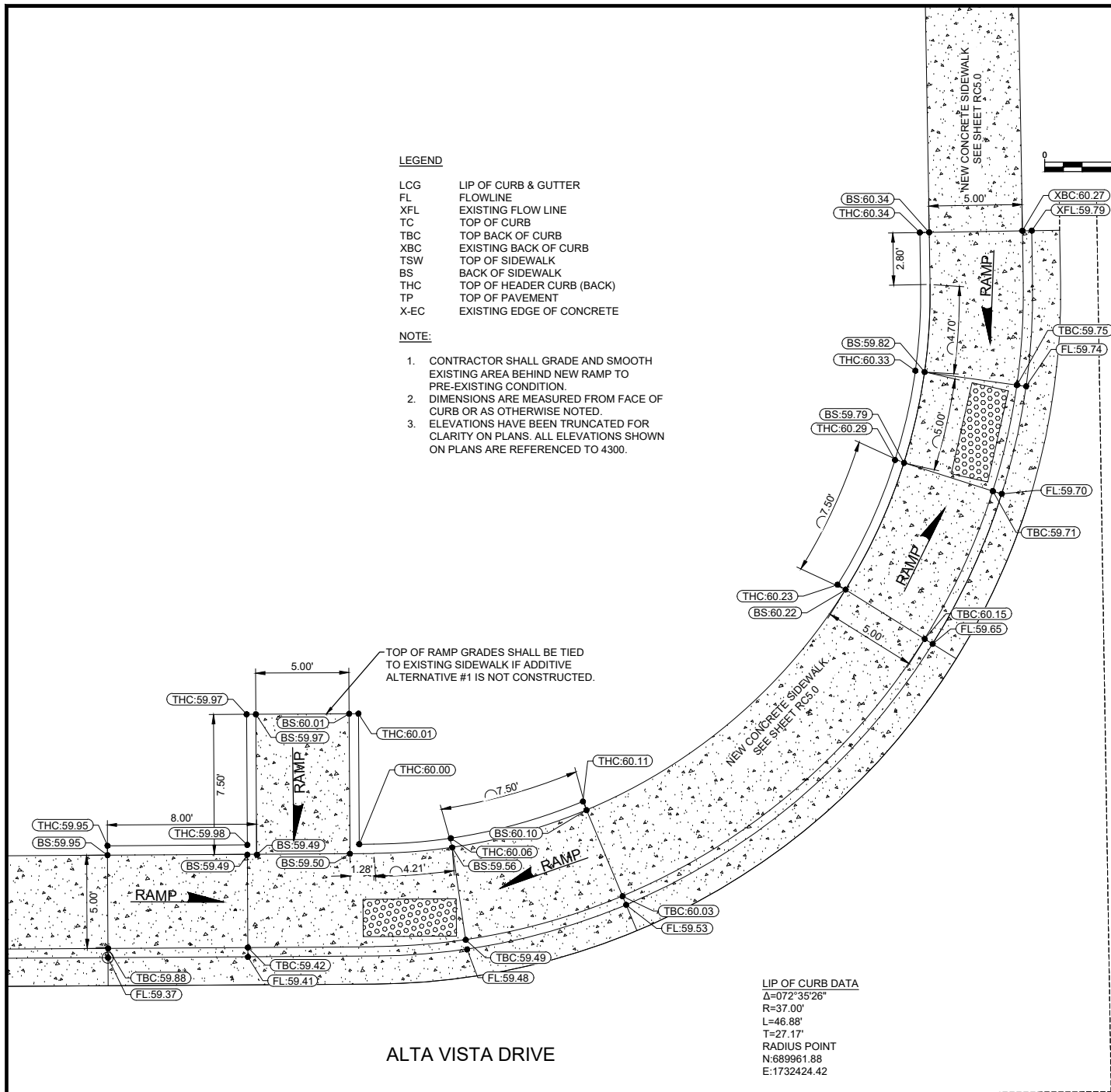
Sheet No.: **RC11.0**
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 HP1801

LEGEND

- LCG LIP OF CURB & GUTTER
- FL FLOWLINE
- XFL EXISTING FLOW LINE
- TC TOP OF CURB
- TBC TOP BACK OF CURB
- XBC EXISTING BACK OF CURB
- TSW TOP OF SIDEWALK
- BS BACK OF SIDEWALK
- THC TOP OF HEADER CURB (BACK)
- TP TOP OF PAVEMENT
- X-EC EXISTING EDGE OF CONCRETE

NOTE:

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LIP OF CURB DATA
 $\Delta=072^{\circ}35'26''$
 $R=37.00'$
 $L=46.88'$
 $T=27.17'$
 RADIUS POINT
 N:689961.88
 E:1732424.42

ALTA VISTA DRIVE

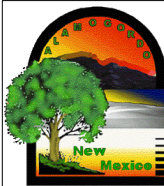
RAMP 7 - DETAIL

NOTE TO CONTRACTOR:

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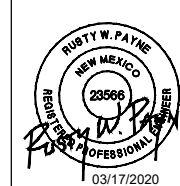
REV. NO.	DATE	DESCRIPTION	APPROVED

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 Professional Resources for Damage Prevention 1-800-321-2537



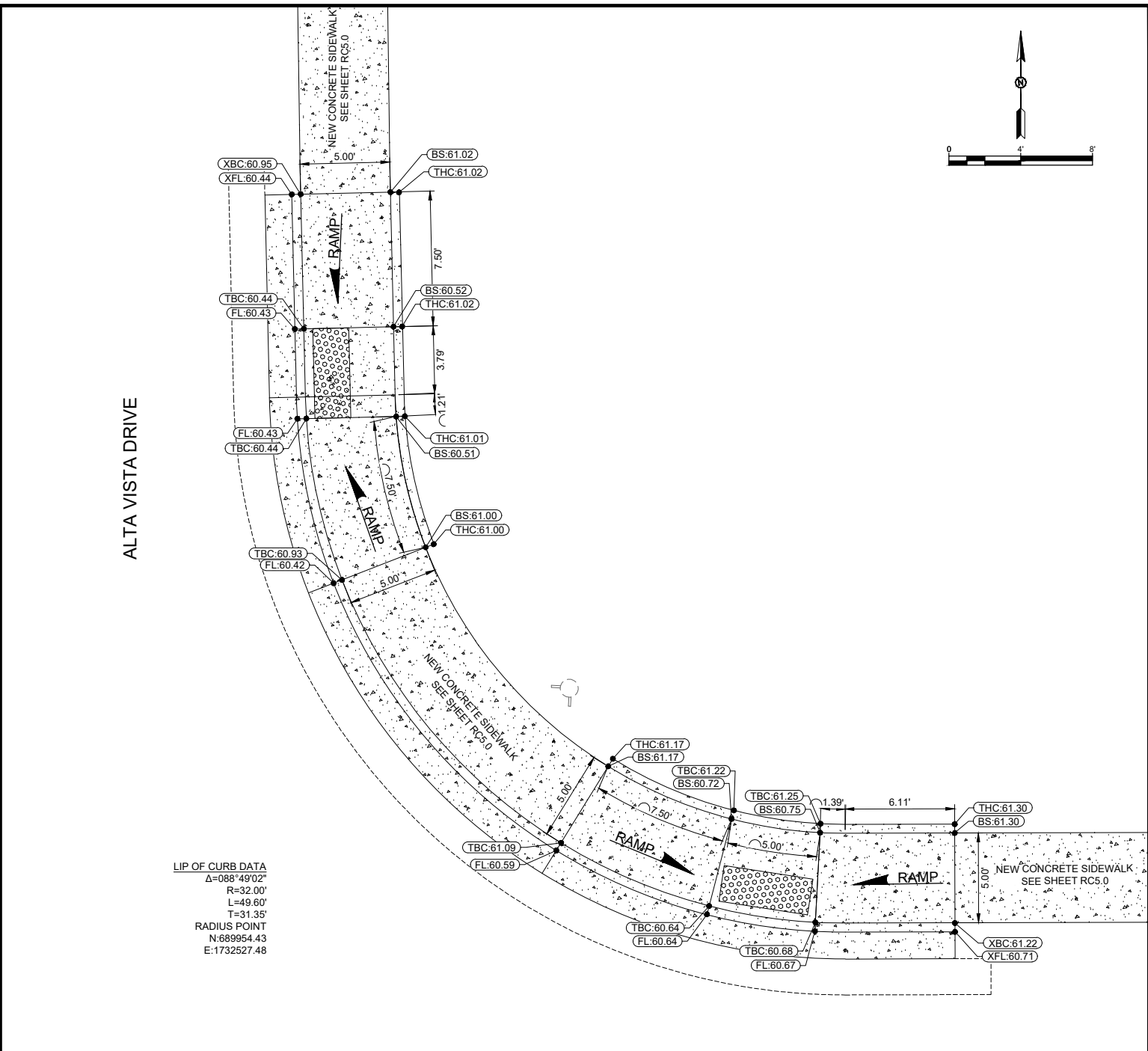
Alta Vista Compliance Improvements

RAMP DETAILS
 CITY OF ALAMOGORDO, NEW MEXICO, ENGINEERING DEPARTMENT



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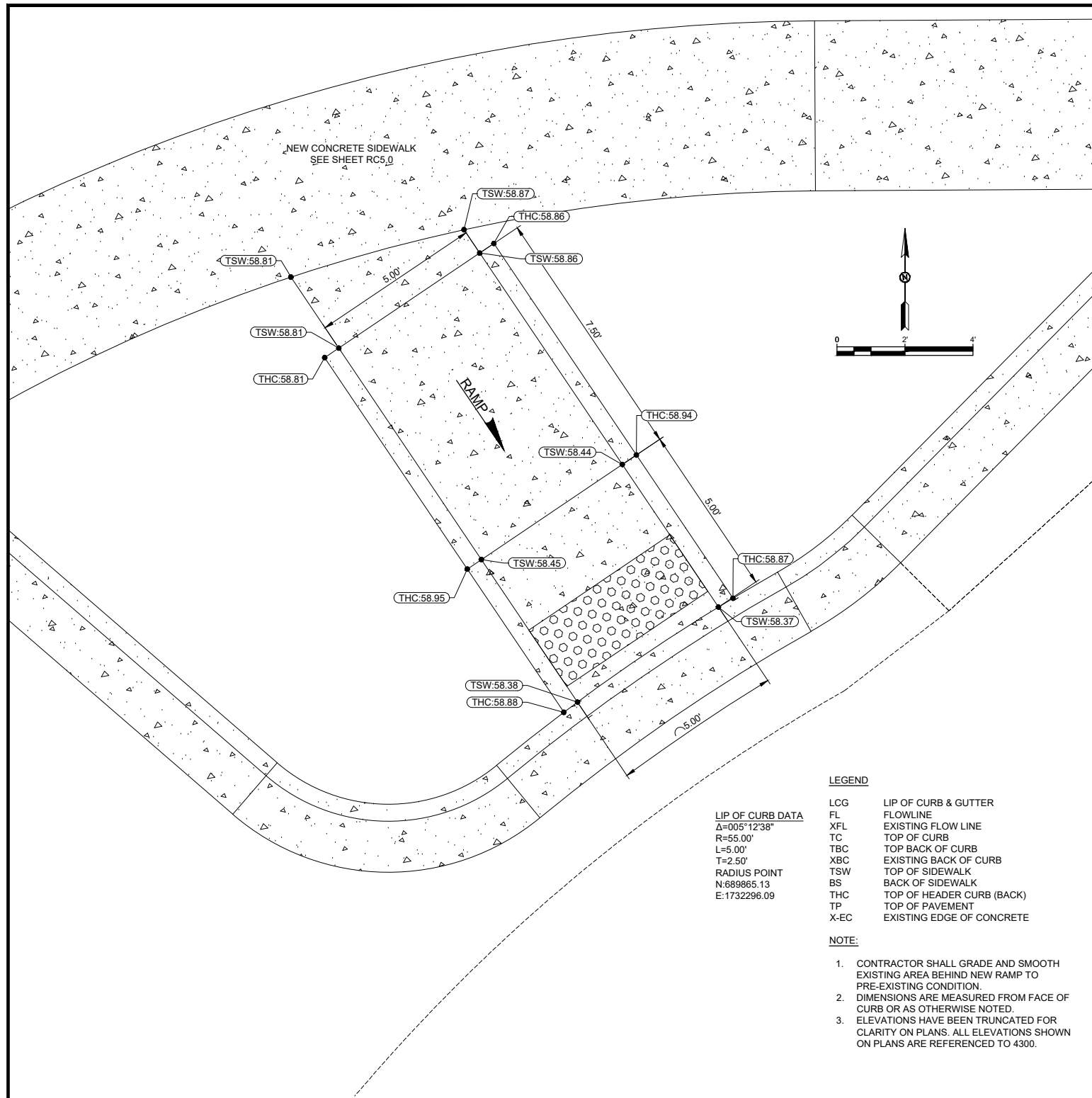
Sheet No.: RC12.0
 Sheet 18 of 29
 HP1801



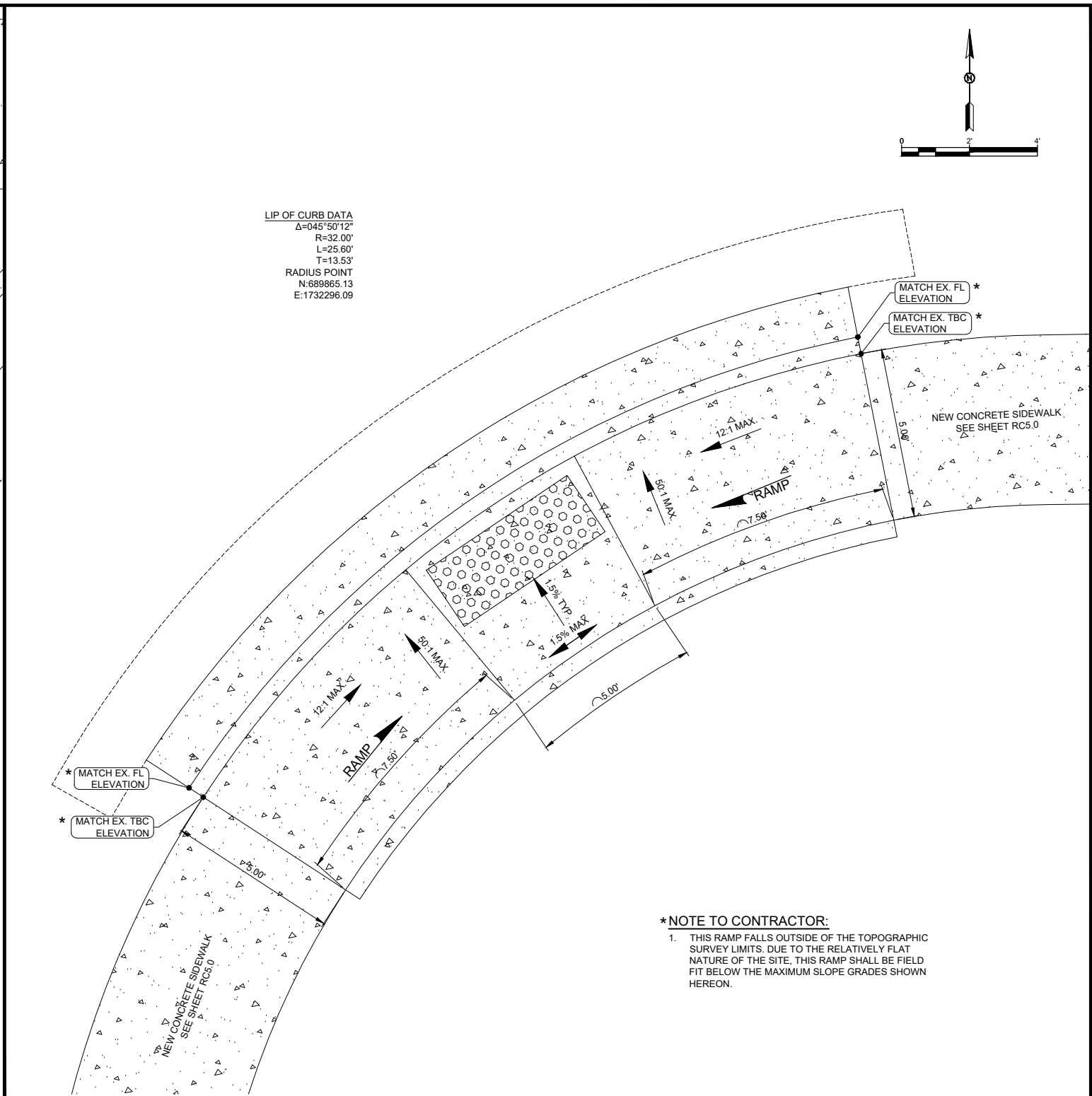
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 $\Delta=088^{\circ}49'02''$
 $R=32.00'$
 $L=49.60'$
 $T=31.35'$
 RADIUS POINT
 N:689954.43
 E:1732527.48

ALTA VISTA DRIVE

RAMP 8 - DETAIL



RAMP 9 - DETAIL



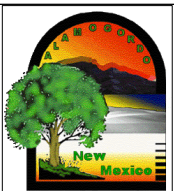
RAMP 10 - DETAIL

NOTE TO CONTRACTOR:

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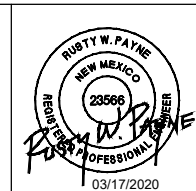
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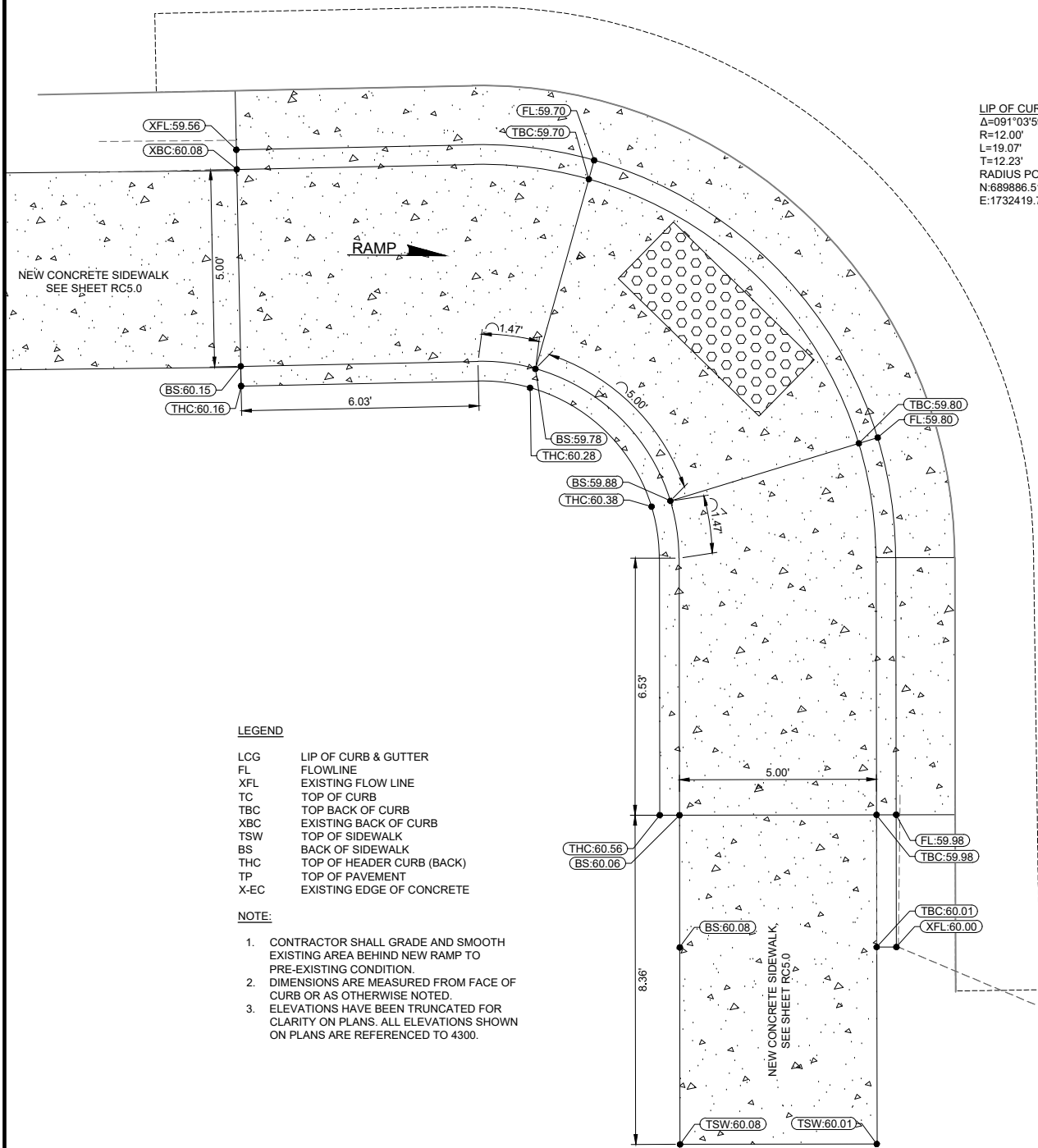
RAMP DETAILS

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Drawn By: SJJ Designed By: SJJ
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Scale: HORIZ. BAR SCALE INCLUDE VERT SCALE ON P&P

ALTA VISTA DRIVE



LIP OF CURB DATA
 $\Delta=091^{\circ}03'59''$
 $R=12.00'$
 $L=19.07'$
 $T=12.23'$
 RADIUS POINT
 N:689885.51
 E:1732419.72

LEGEND

- LCG LIP OF CURB & GUTTER
- FL FLOWLINE
- XFL EXISTING FLOW LINE
- TC TOP OF CURB
- TBC TOP BACK OF CURB
- XBC EXISTING BACK OF CURB
- TSW TOP OF SIDEWALK
- BS BACK OF SIDEWALK
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- TP TOP OF PAVEMENT
- X-EC EXISTING EDGE OF CONCRETE

NOTE:

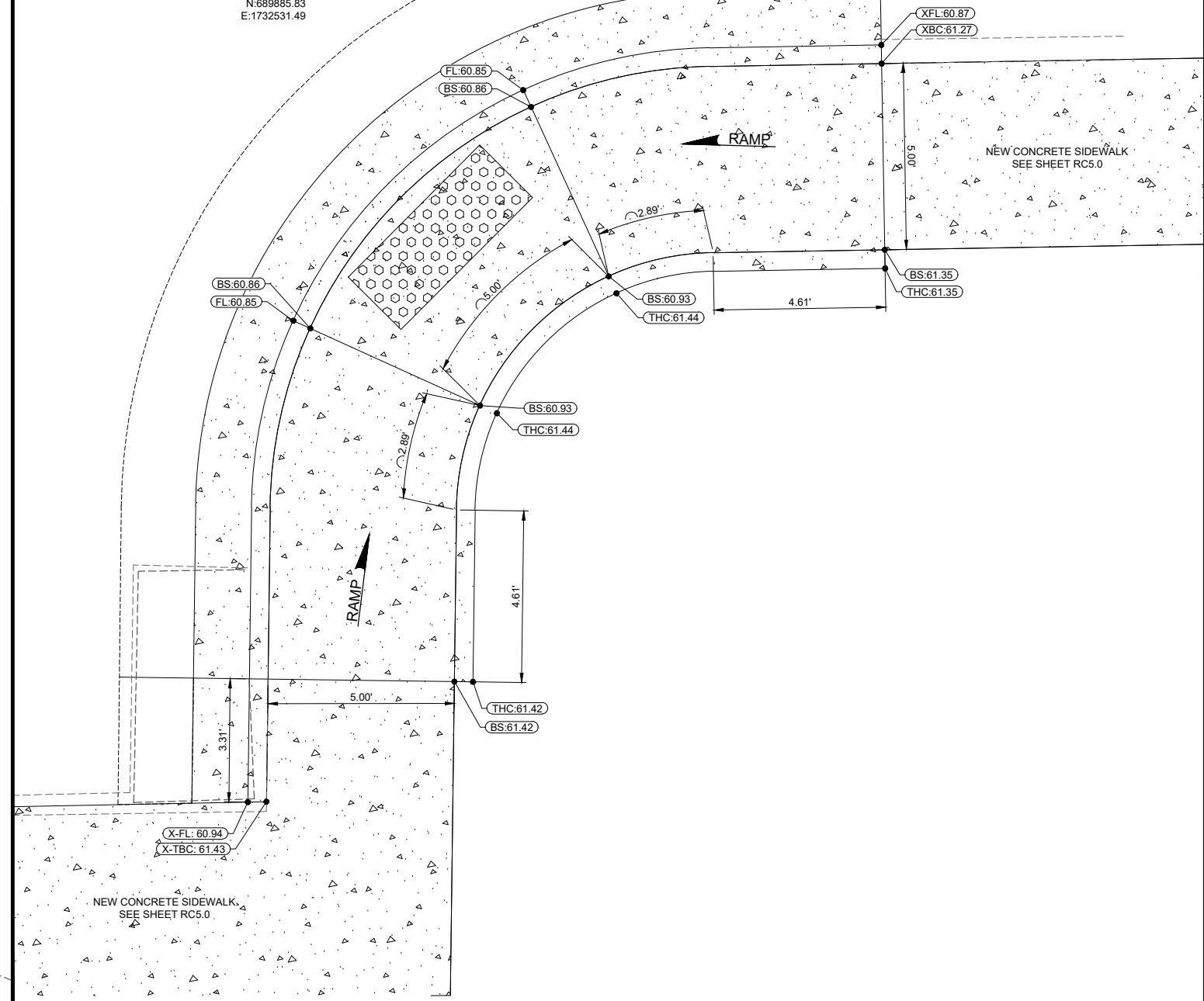
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RAMP 11 - DETAIL

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LIP OF CURB DATA
 $\Delta=088^{\circ}16'58''$
 $R=14.00'$
 $L=21.57'$
 $T=13.59'$
 RADIUS POINT
 N:689885.83
 E:1732531.49

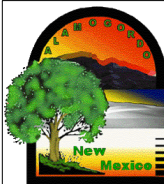


RAMP 12 - DETAIL

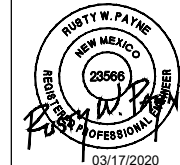
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RAMP DETAILS

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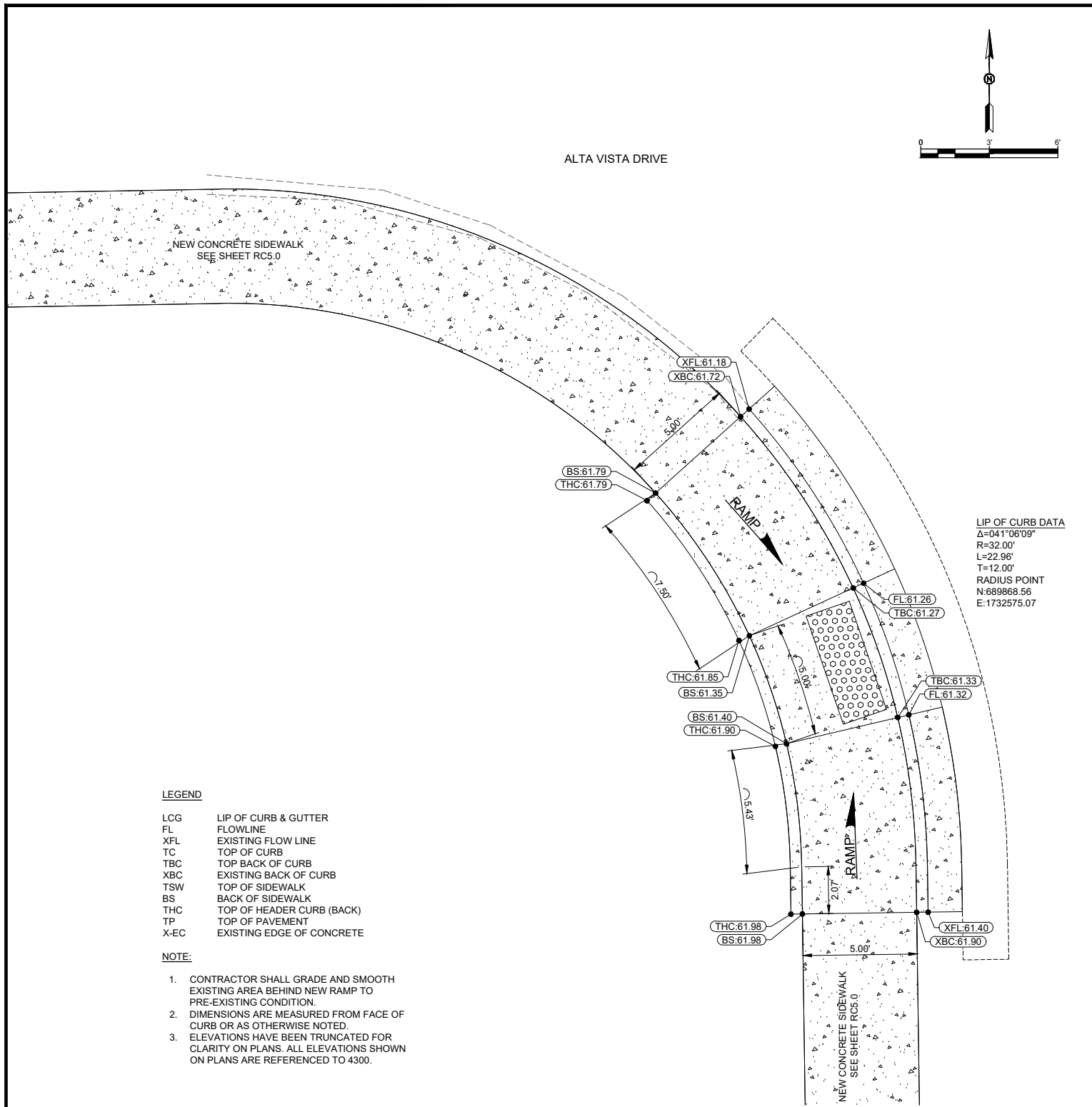
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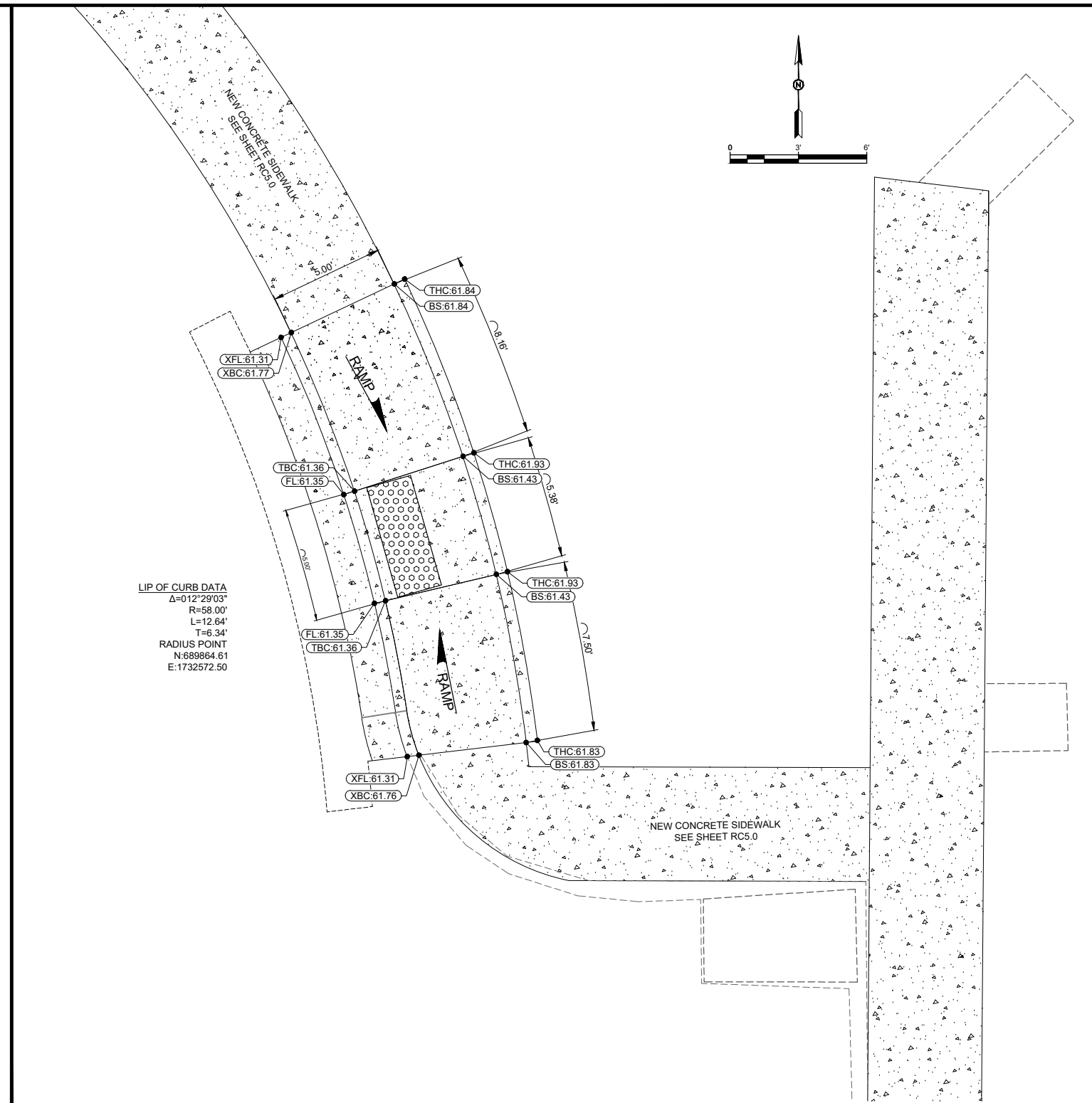
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Sheet No.: RC14.0
 Sheet 20 of 29
 HP1801

REV. No.	DATE	DESCRIPTION	APPROVED



RAMP 13 - DETAIL



RAMP 14 - DETAIL

LEGEND

- LCG LIP OF CURB & GUTTER
- FL FLOWLINE
- XFL EXISTING FLOW LINE
- TC TOP OF CURB
- TBC TOP BACK OF CURB
- XBC EXISTING BACK OF CURB
- TSW TOP OF SIDEWALK
- BS BACK OF SIDEWALK
- THC TOP OF HEADER CURB (BACK)
- TP TOP OF PAVEMENT
- X-EC EXISTING EDGE OF CONCRETE

NOTE:

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2. DIMENSIONS ARE MEASURED FROM FACE OF CURB OR AS OTHERWISE NOTED.
3. ELEVATIONS HAVE BEEN TRUNCATED FOR CLARITY ON PLANS. ALL ELEVATIONS SHOWN ON PLANS ARE REFERENCED TO 4300.

NOTE TO CONTRACTOR:

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2. REFER TO SHEET RC2.0 FOR TYPICAL RAMP PAY ITEM DESCRIPTION.

REV. No.	DATE	DESCRIPTION	APPROVED

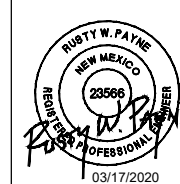
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Alta Vista Compliance Improvements

RAMP DETAILS

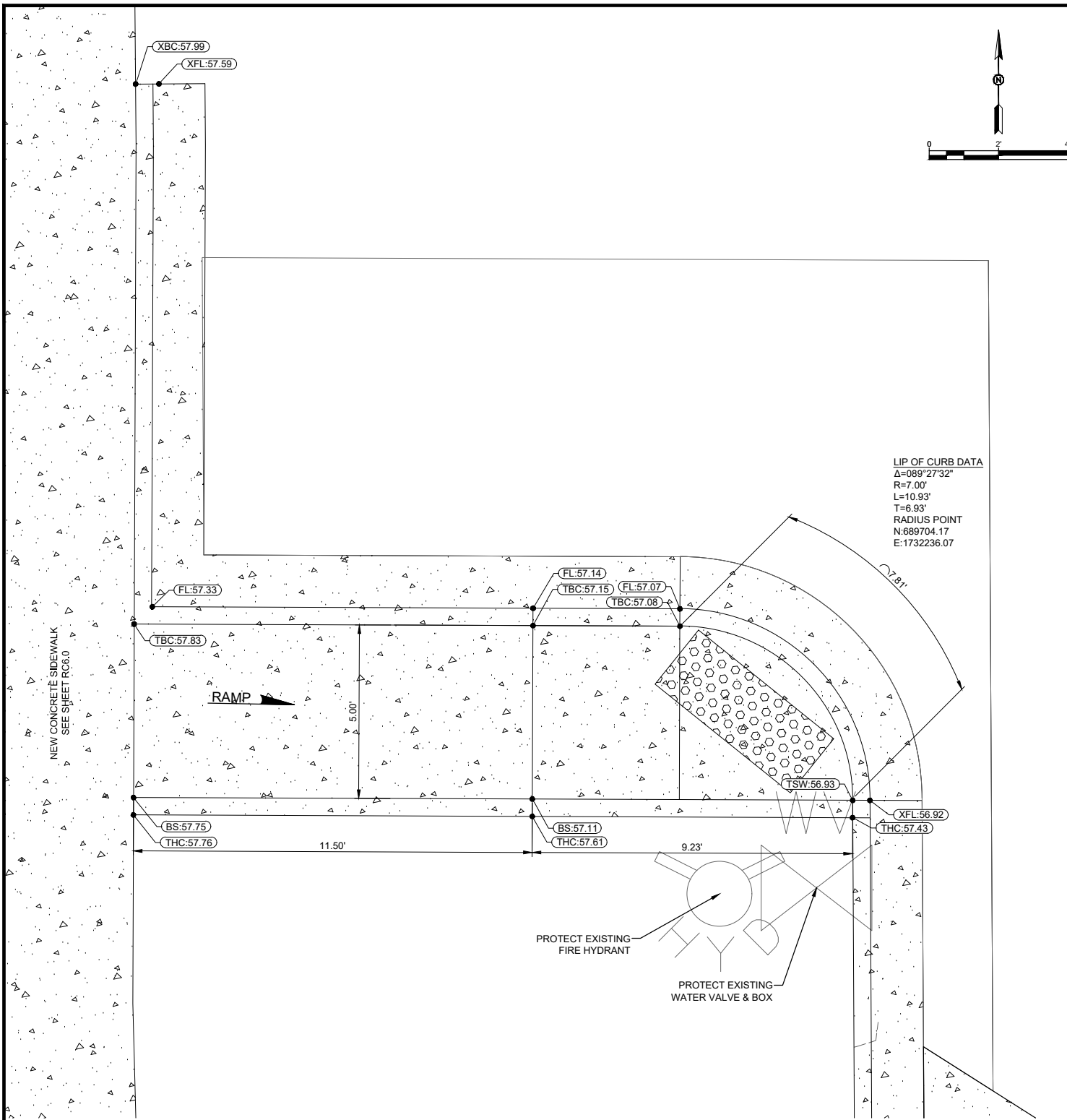
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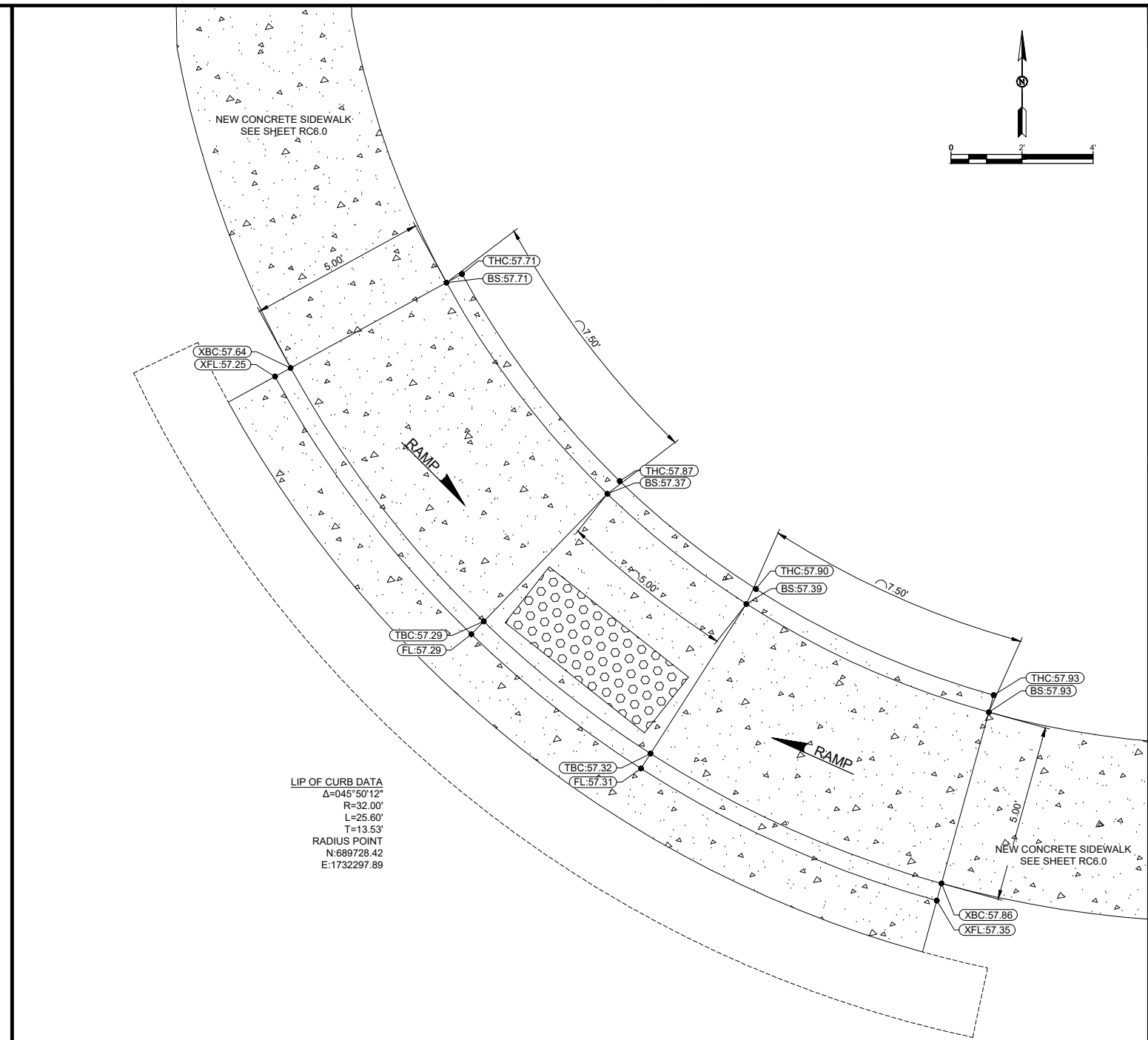
Sheet No.: RC15.0
 Sheet 21 of 29
 HP1801



RAMP 15 - DETAIL

NOTE TO CONTRACTOR:

1. FINAL FIELD LOCATION OF NEW ADA COMPLIANT RAMPS SHALL BE COORDINATED WITH THE CITY OF ALAMOGORDO PROJECT MANAGER.
2. REFER TO SHEET RC2.0 FOR TYPICAL RAMP PAY ITEM DESCRIPTION.



RAMP 16 - DETAIL

LEGEND

- LCG LIP OF CURB & GUTTER
- FL FLOWLINE
- XFL EXISTING FLOW LINE
- TC TOP OF CURB
- TBC TOP BACK OF CURB
- XBC EXISTING BACK OF CURB
- TSW TOP OF SIDEWALK
- BS BACK OF SIDEWALK
- THC TOP OF HEADER CURB (BACK)
- TP TOP OF PAVEMENT
- X-EC EXISTING EDGE OF CONCRETE

NOTE:

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3. ELEVATIONS HAVE BEEN TRUNCATED FOR CLARITY ON PLANS. ALL ELEVATIONS SHOWN ON PLANS ARE REFERENCED TO 4300.

REV. No.	DATE	DESCRIPTION	APPROVED

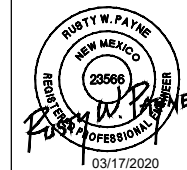
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Alta Vista Compliance Improvements

RAMP DETAILS

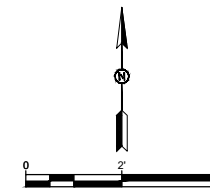
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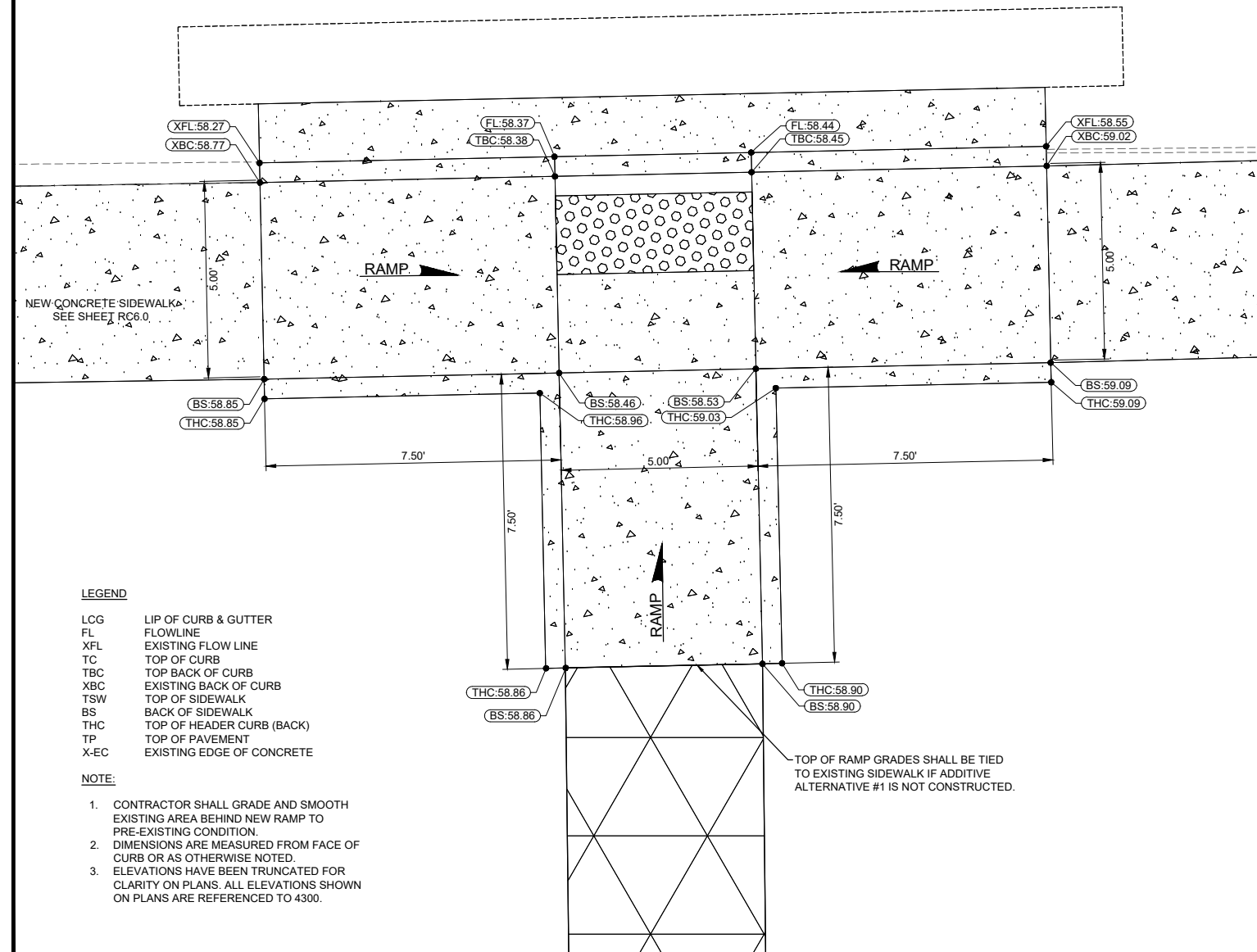
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ALTA VISTA DRIVE



LEGEND

- LCG LIP OF CURB & GUTTER
- FL FLOWLINE
- XFL EXISTING FLOW LINE
- TC TOP OF CURB
- TBC TOP BACK OF CURB
- XBC EXISTING BACK OF CURB
- TSW TOP OF SIDEWALK
- BS BACK OF SIDEWALK
- THC TOP OF HEADER CURB (BACK)
- TP TOP OF PAVEMENT
- X-EC EXISTING EDGE OF CONCRETE

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RAMP 17 - DETAIL

REV. No.	DATE	DESCRIPTION	APPROVED

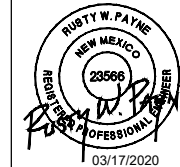
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Alta Vista Compliance Improvements

RAMP DETAILS

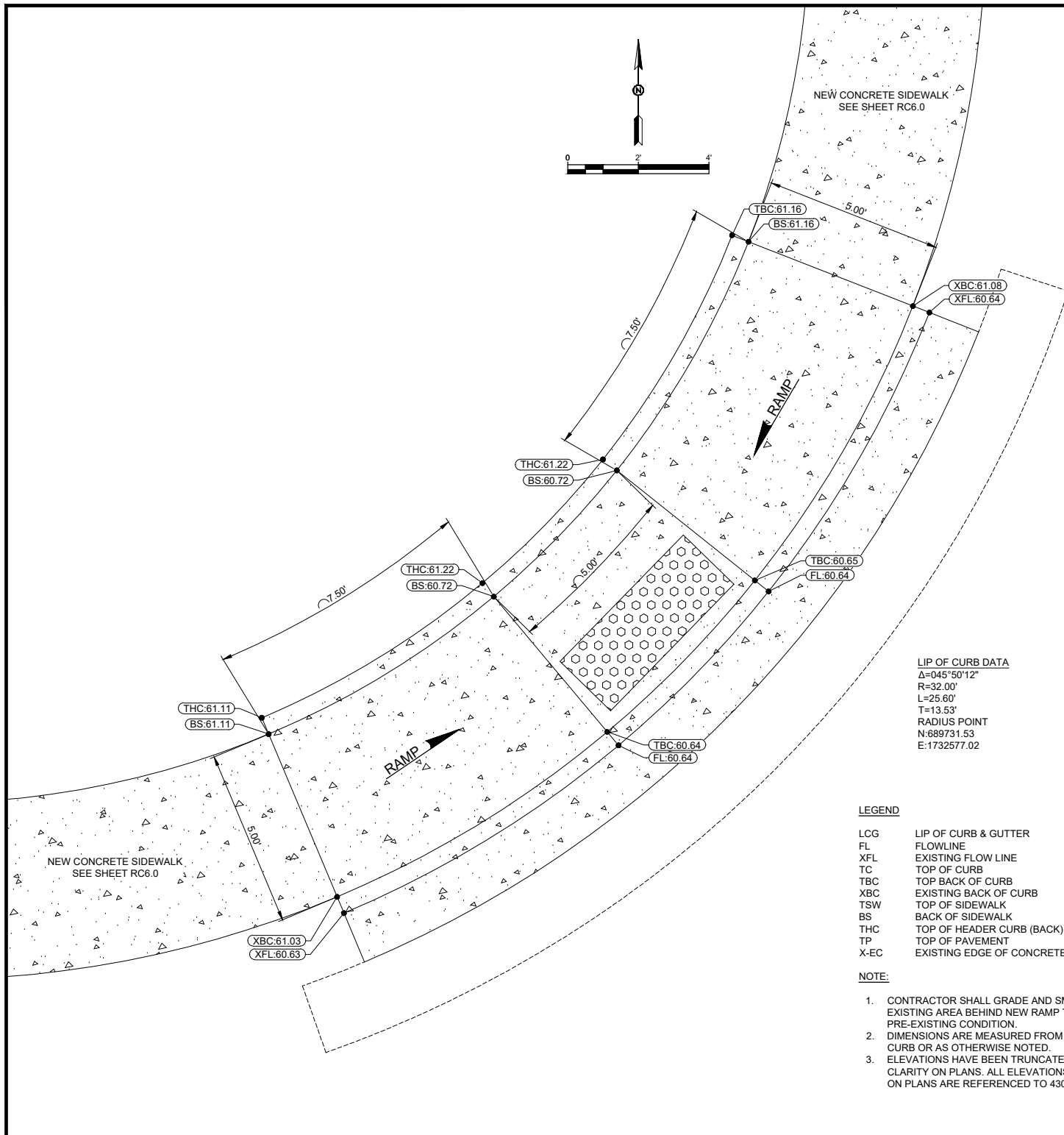
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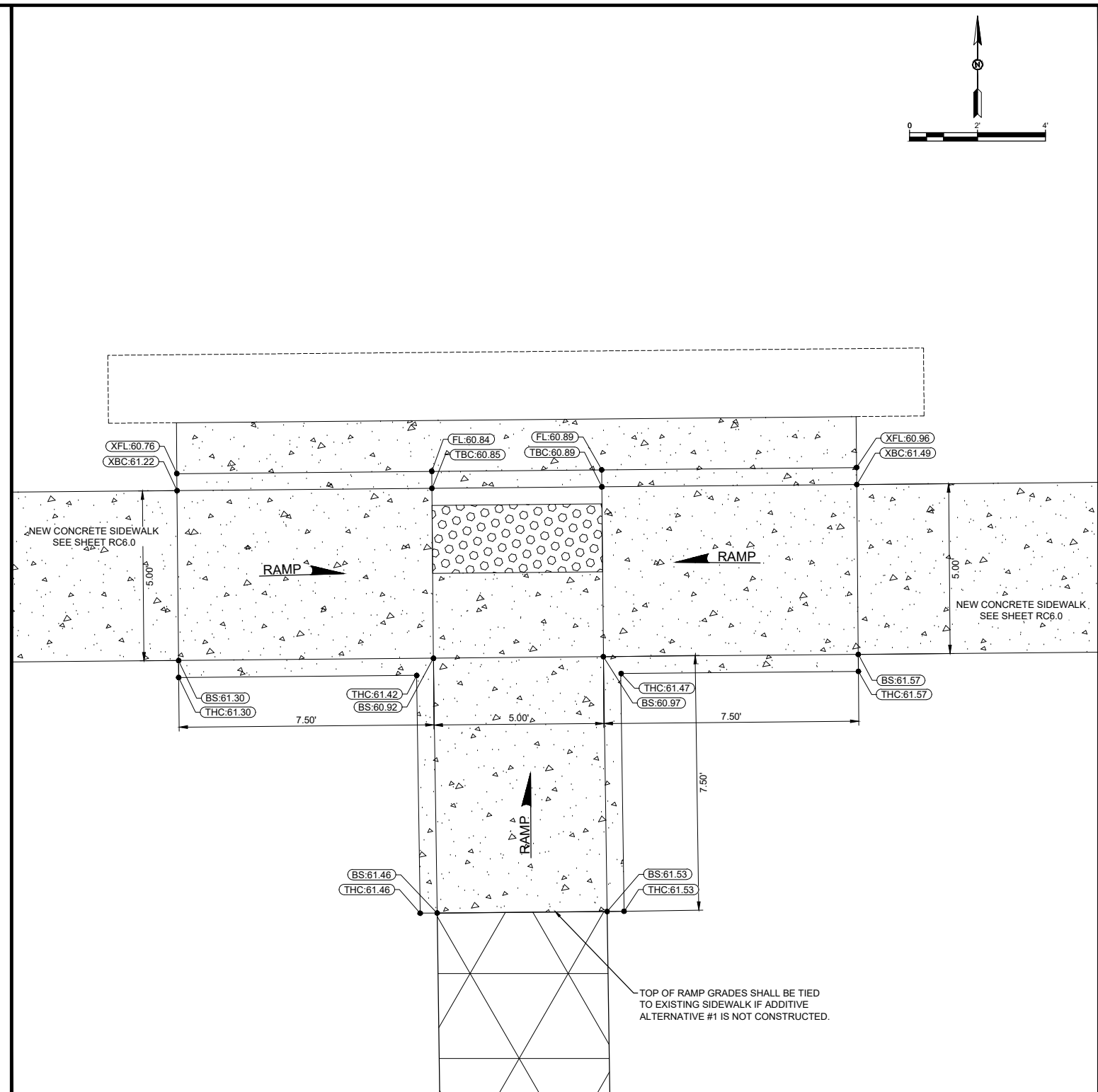
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RAMP 18 - DETAIL



RAMP 19 - DETAIL

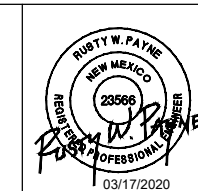
NOTE TO CONTRACTOR:
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 RAMP DETAILS
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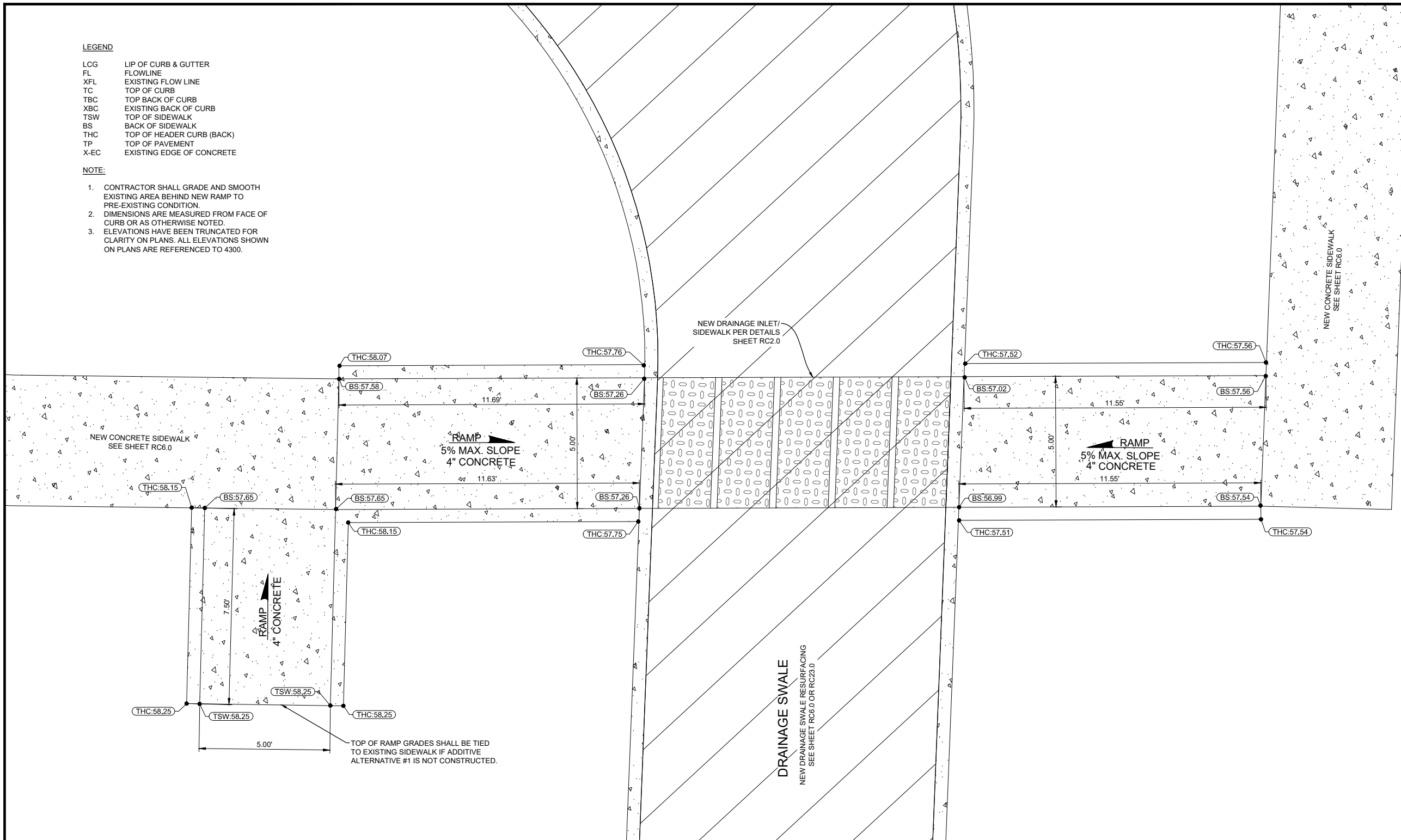
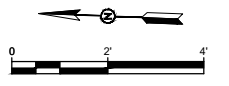
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LEGEND

- LCG LIP OF CURB & GUTTER
- FL FLOWLINE
- XFL EXISTING FLOW LINE
- TC TOP OF CURB
- TBC TOP BACK OF CURB
- XBC EXISTING BACK OF CURB
- TSW TOP OF SIDEWALK
- BS BACK OF SIDEWALK
- THC TOP OF HEADER CURB (BACK)
- TP TOP OF PAVEMENT
- X-EC EXISTING EDGE OF CONCRETE

NOTE:

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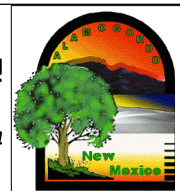
SIDEWALK DRAINAGE SWALE CROSSING - DETAIL

NOTE TO CONTRACTOR:

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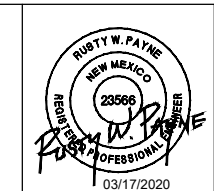
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SIDEWALK DRAINAGE CHANNEL DETAILS

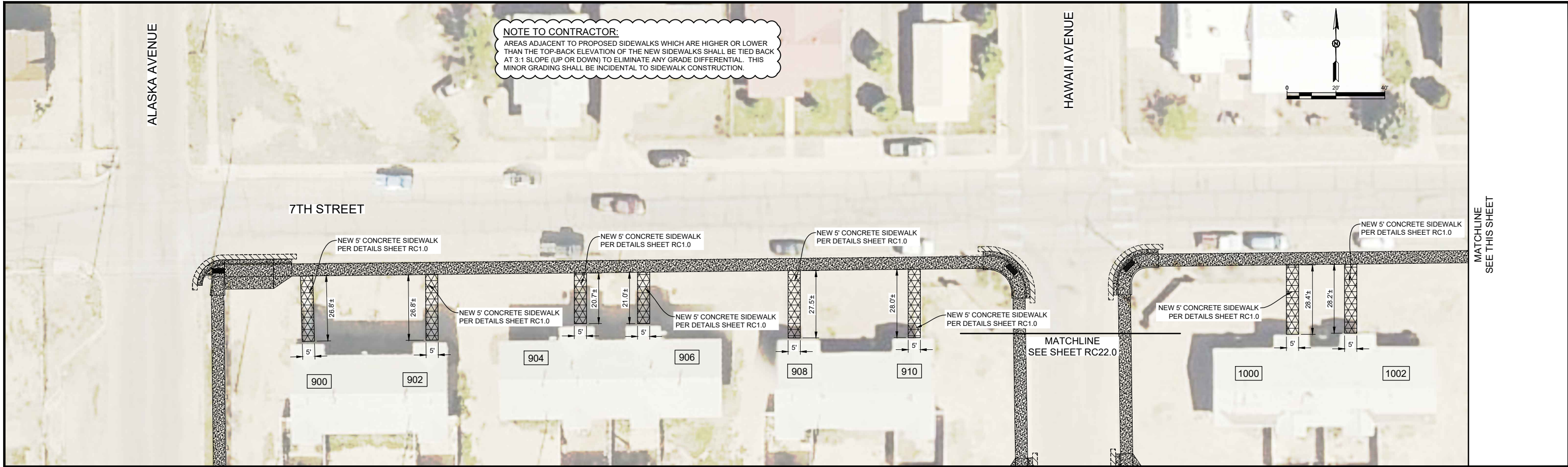
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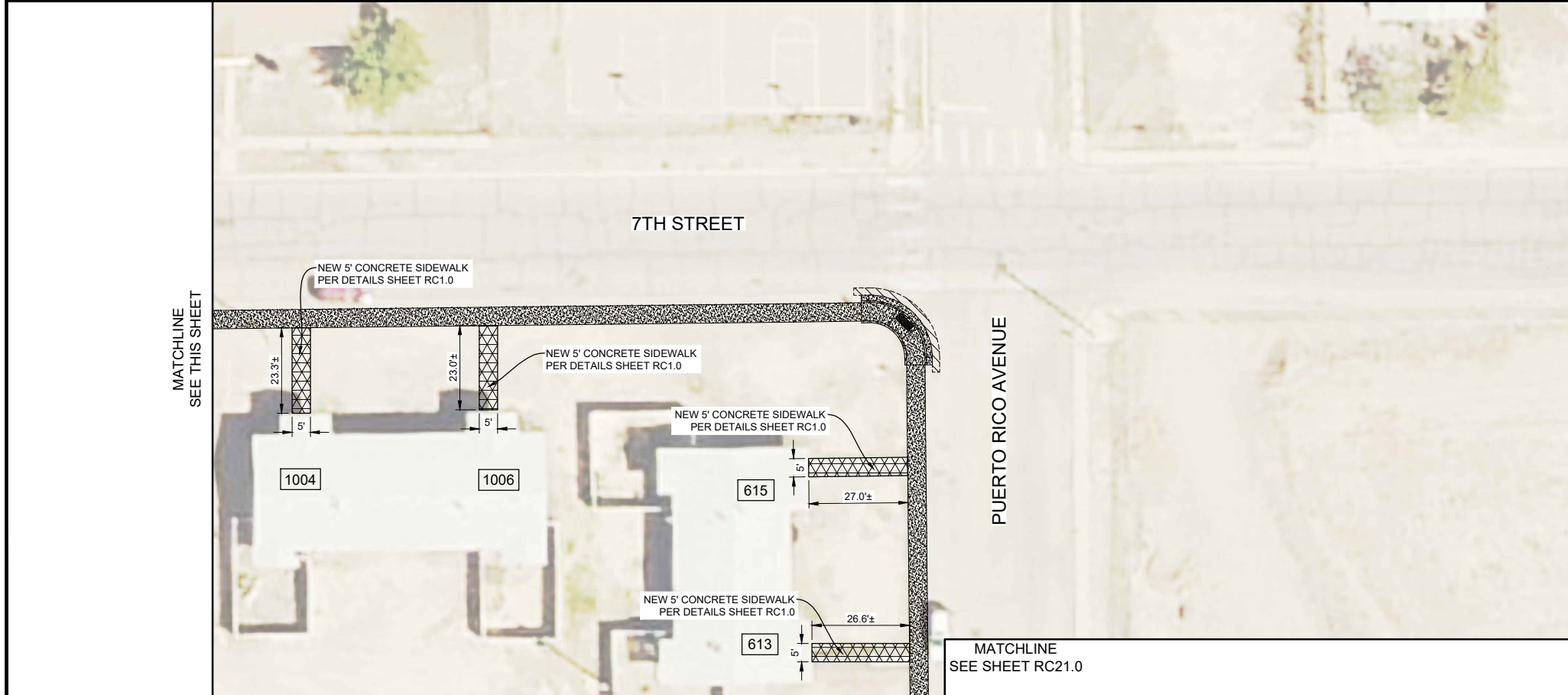
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Checked By: RP Approved By: COA	Sheet 25 of 29
Scale: HORIZ. BAR SCALE INCLUDE VERT SCALE ON P&P	HP1801



NOTE TO CONTRACTOR:
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LEGEND - PAVING	
	NEW ASPHALT PAVEMENT
	BASE BID - 5' CONCRETE SIDEWALK
	BASE BID - 8" THICK CONCRETE PAD
	ADD. ALT. 1 - 5' CONCRETE SIDEWALK
	USPS MAILBOX SEE SHEET RC1.0
	BASE BID - CONCRETE ALLEY PAD
	NEW CURB & GUTTER
	EXISTING BUILDING
PI	POINT OF INTERSECTION
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSED CURVE

REV. No.	DATE	DESCRIPTION	APPROVED

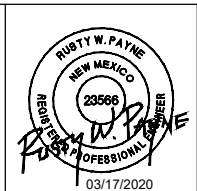
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ADDITIVE ALTERNATE 1 - SIDEWALK IMPROVEMENT PLAN

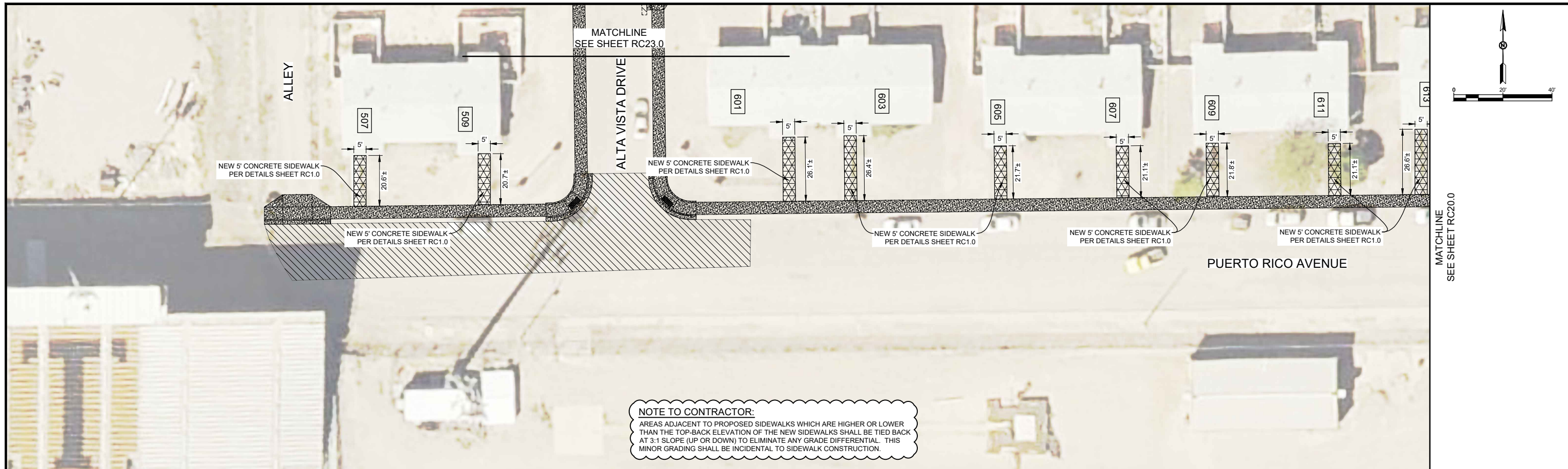
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NOTE TO CONTRACTOR:
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LEGEND - PAVING	
	NEW ASPHALT PAVEMENT
	BASE BID - 5' CONCRETE SIDEWALK
	BASE BID - 8" THICK CONCRETE PAD
	ADD. ALT. 1 - 5' CONCRETE SIDEWALK
	USPS MAILBOX SEE SHEET RC1.0
	BASE BID - CONCRETE ALLEY PAD
	NEW CURB & GUTTER
	EXISTING BUILDING
PI	POINT OF INTERSECTION
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSED CURVE

REV. No.	DATE	DESCRIPTION	APPROVED

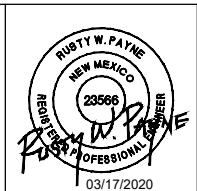
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ADDITIVE ALTERNATE 1 - SIDEWALK IMPROVEMENT PLAN

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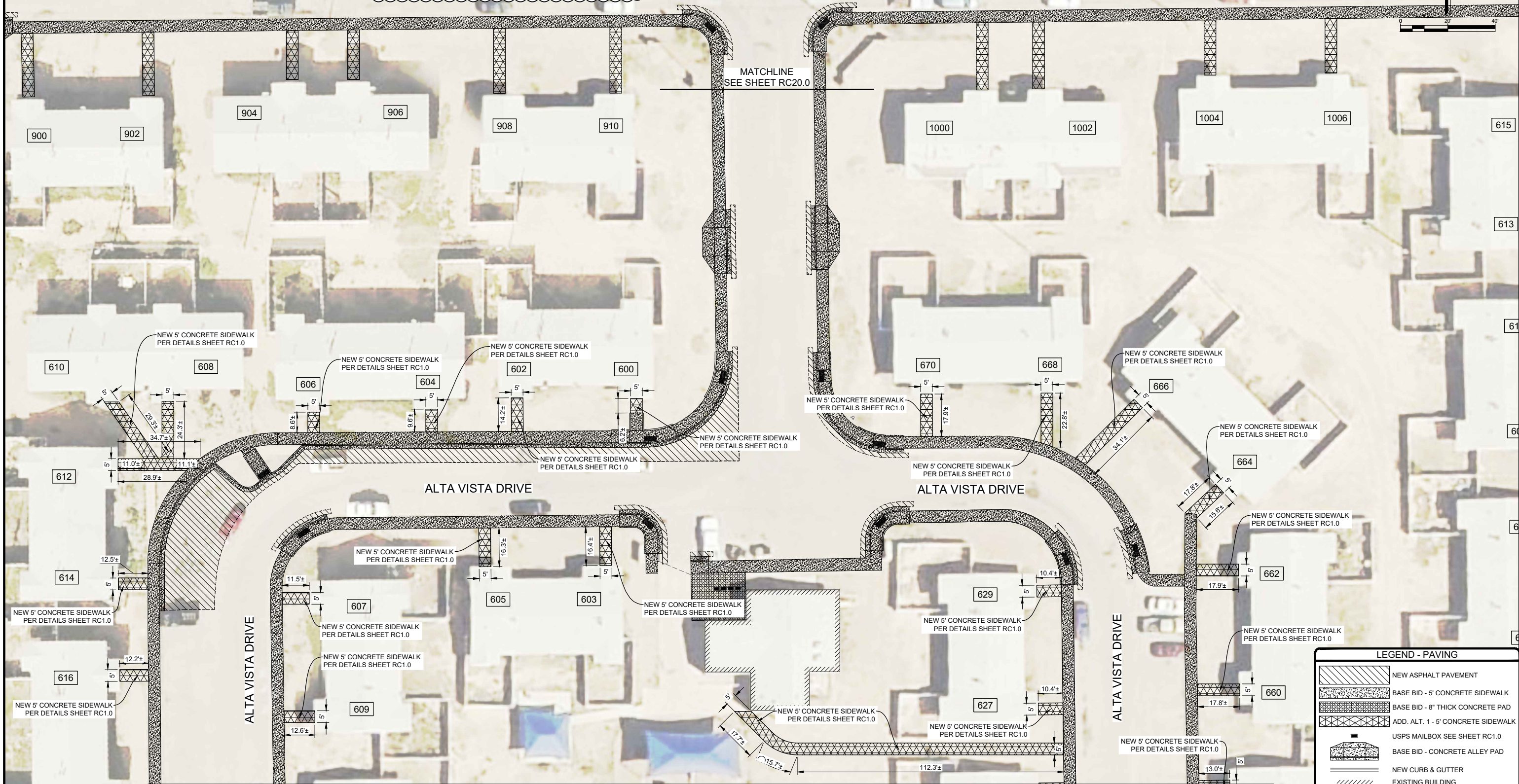
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 Drawn By: SJJ Designed By: SJJ
 Checked By: RP Approved By: COA
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 INCLUDE VERT SCALE ON P&P

Sheet No.: **RC21.0**
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 HP1801

7TH STREET

7TH STREET

NOTE TO CONTRACTOR:
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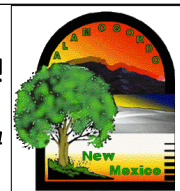


LEGEND - PAVING

- NEW ASPHALT PAVEMENT
- BASE BID - 5' CONCRETE SIDEWALK
- BASE BID - 8" THICK CONCRETE PAD
- ADD. ALT. 1 - 5' CONCRETE SIDEWALK
- USPS MAILBOX SEE SHEET RC1.0
- BASE BID - CONCRETE ALLEY PAD
- NEW CURB & GUTTER
- EXISTING BUILDING
- PI POINT OF INTERSECTION
- PC POINT OF CURVATURE
- PT POINT OF TANGENCY
- PCC POINT OF COMPOUND CURVE
- PRC POINT OF REVERSED CURVE

REV. No.	DATE	DESCRIPTION	APPROVED

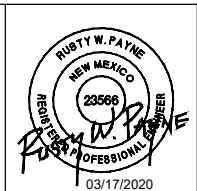
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ADDITIVE ALTERNATE 1 - SIDEWALK IMPROVEMENT PLAN

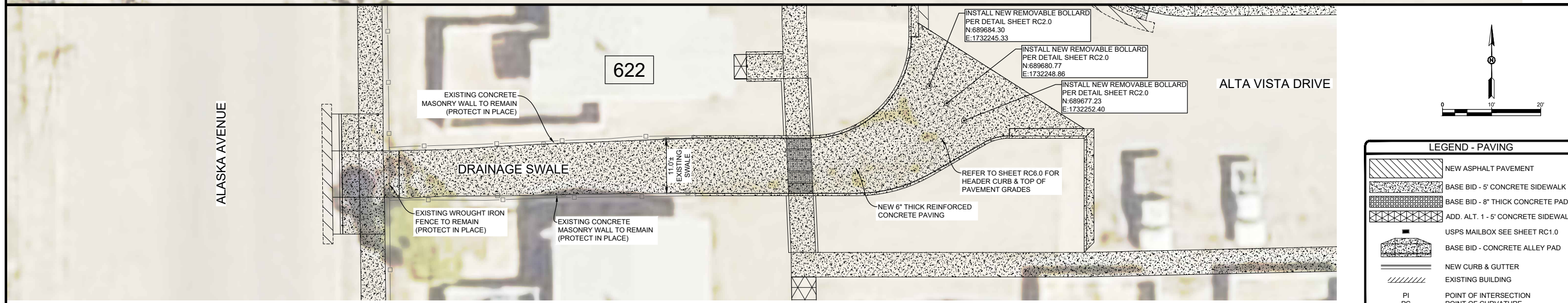
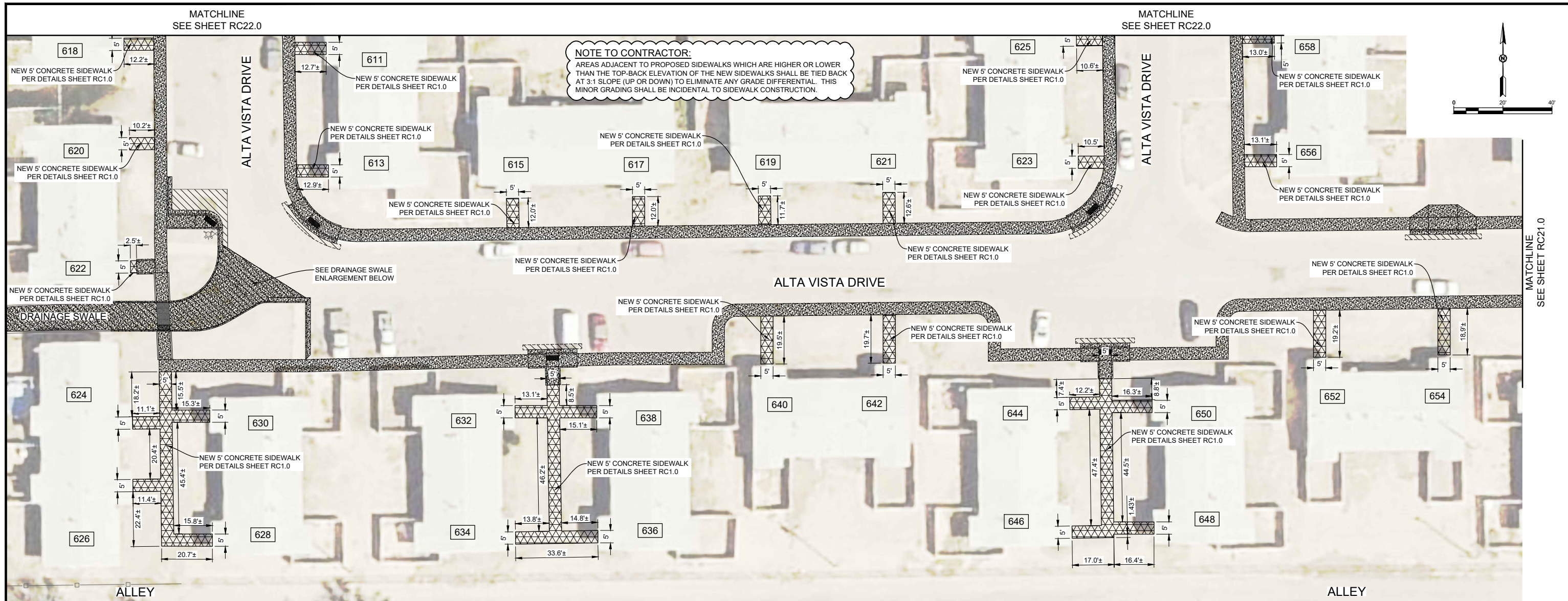
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Sheet No.: **RC22.0**
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 HP1801



LEGEND - PAVING

	NEW ASPHALT PAVEMENT
	BASE BID - 5' CONCRETE SIDEWALK
	BASE BID - 8" THICK CONCRETE PAD
	ADD. ALT. 1 - 5' CONCRETE SIDEWALK
	USPS MAILBOX SEE SHEET RC1.0
	BASE BID - CONCRETE ALLEY PAD
	NEW CURB & GUTTER
	EXISTING BUILDING
PI	POINT OF INTERSECTION
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSED CURVE

ADDITIVE ALTERNATE 1 - DRAINAGE SWALE RESURFACING CONCRETE PAVEMENT

REV. No.	DATE	DESCRIPTION	APPROVED

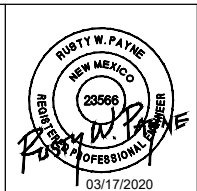
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ADDITIVE ALTERNATE 1 - SIDEWALK IMPROVEMENT PLAN

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Checked By: RP	Approved By: COA
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