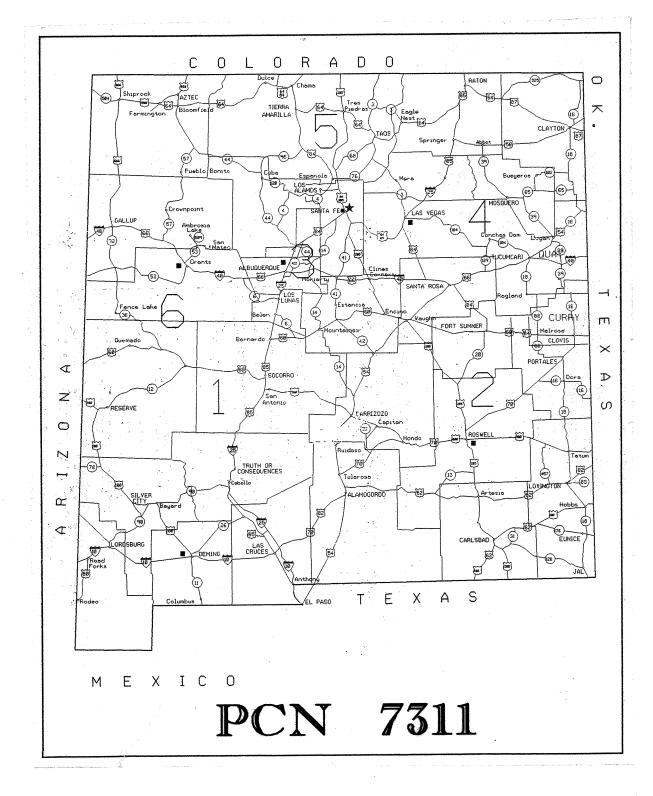
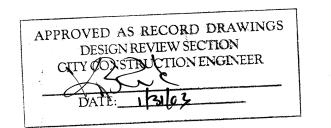
MAE AVENUE

BERNALILLO COUNTY PUBLIC WORKS STREET AND DRAINAGE IMPROVEMENTS

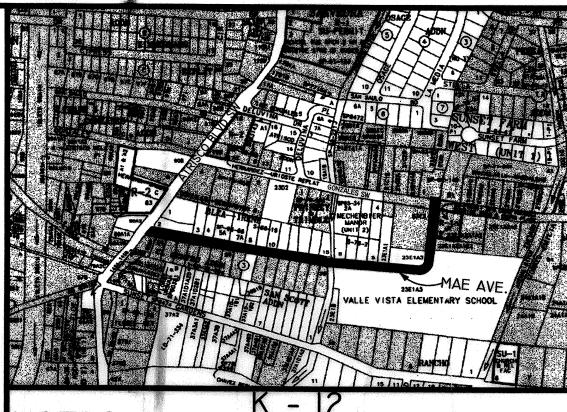


INDEX

COVER SHEET & INDEX OF SHEETS	I
GENERAL NOTES	2
M.R.G.C.D. GENERAL NOTES	3
SURVEY	4
TYPICAL SECTION / DETAILS	5
STORM DRAIN PLAN & PROFILE SHEETS	6-10
TRAFFIC CONTROL PLANS	11-12



Hatta Offinely BCPW



NOTES

ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE C.O.A. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1986 EDITION AS AMENDED THROUGH UPDATE 6 (REFERRED TO HEREIN AS THE STANDARD SPECIFICATIONS).

TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM INC; 260-1990, FOR LOCATION OF EXISTING UTILITIES.

PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITHOUT DELAY.

ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RESE BY THE CONTRACTOR.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT 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 SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.

FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION.

ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES 24 HOUR CONSTRUCTION.

BACKFILL COMPACTION WILL BE IN ACCORDANCE WITH SPECIFIED STREET USE.

REV. SHEETS CITY ENGINEER DATE USER DEPARTMENT DATE USER DEPARTMENT DATE

ENGINEERS STAMP & SIGNATURE APPPROVALS ENGINEER DATE ****************

DRC chairman Transportation P-4-0/ Hydrology C.I.P.

Constr. Mngmt.
Constr. Coord.
City Project No.

City Project No.

Sheet Of 656481

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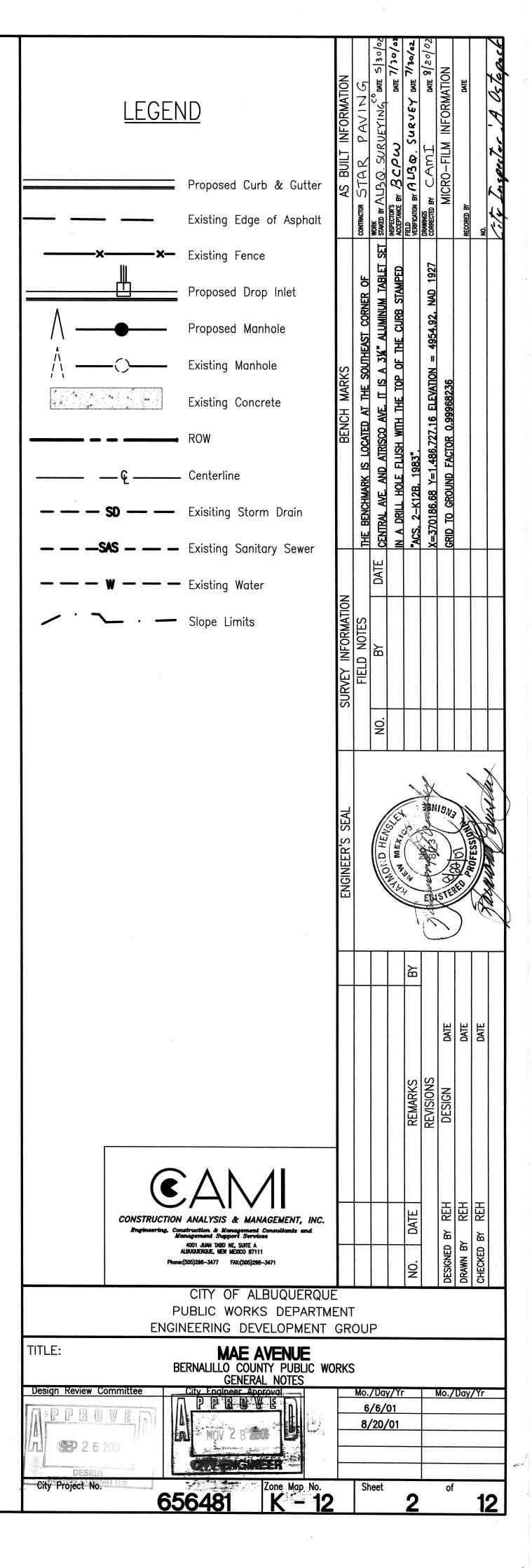
GENERAL NOTES

- 1. ALL RADII OF CURB RETURNS ARE SHOWN TO FLOWLINE.
- 2. UNLESS OTHERWISE SHOWN, ALL DIMENSIONS ARE TO FLOWLINE.
- 3. ALL FINISH GRADES AND PROFILES SHOWN ARE TOP OF CURB GRADES, UNLESS OTHERWISE NOTED. MATCH FLOW LINES OF GUTTERS WHEN CONNECTING NEW CURB AND GUTTER TO EXISTING.
- 4. ALL UTILITY POLES ARE TO BE RELOCATED BY OTHERS.
- 5. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- 6. WHEN ABUTTING NEW PAVEMENT TO EXISTING, SAW CUT EXITING PAVEMENT TO A STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING.
- 7. WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE BACK TO NEAREST
- 8. ALL GAS VALVE BOXES, GAS MANHOLES, ELECTRICAL MANHOLES, AND TELEPHONE MANHOLES WILL BE ADJUSTED TO GRADE BY OTHERS.
- 9. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL INC.; 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- 10. CONTRACTOR IS TO EXERCISE DUE CARE TO AVOID DISTURBING ANY EXISTING UNDERGROUND UTILITIES. IT SHALL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION THAT MIGHT RESULT FROM PROJECT CONSTRUCTION. IT SHALL BE HIS RESPONSIBILITY TO PROTECT AND PRESERVE UTILITY EQUIPMENT AFFECTED BY PROJECT CONSTRUCTION. LIST OF UTILITY COMPANY CONTACTS IS PROVIDED ON SHEET 3.
- 11. EXACT LOCATION OF DRIVE PADS AND WHEELCHAIR RAMPS WILL BE DETERMINED IN THE FIELD BY THE FIELD ENGINEER. LOCATIONS SHOWN ON PLANS AND PROFILE SHEETS ARE APPROXIMATE.
- 12. THE APPLICABLE CITY OF ALBUQUERQUE STANDARD DETAILS ARE INCLUDED AT THE BACK OF THE SPECIFICATIONS.
- 13. ALL WATER VALVE BOXES AND SEWER MANHOLES IN THE CONSTRUCTION AREA ARE TO BE ADJUSTED TO FINISH GRADE UNDER THIS CONTRACT, AND WILL BE PAID FOR AT CONTRACT UNIT PRICES.
- 14. SUB GRADE PREPARATION UNDER CURB AND GUTTERS, DRIVE PADS AND SIDEWALK SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF SUCH AND SHALL BE INCLUDED IN THE BID PRICE FOR SUCH ITEMS.
- 15. A DISPOSAL SITE, COMPLYING WITH ALL CITY ORDINANCES, SHALL BE OBTAINED BY THE CONTRACTOR FOR THE DISPOSAL OF ALL EXCESS EXCAVATION MATERIAL, ASPHALTIC PAVEMENT (EXCEPT MILLED BITUMINOUS CONCRETE PAVEMENT) AND OTHER WASTE MATERIALS. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE OF THE LOCATION OF THE DISPOSAL SITE PRIOR TO THE REMOVAL AND ACTUAL DISPOSAL OF THE MATERIAL. ALL COSTS IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO DIRECT PAYMENT WILL BE MADE THEREFOR.
- 16. THE CONTRACTOR WILL BE REQUIRED TO CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR R.O.W. TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS OR DESIGNATED TRAFFIC LANES.
- 17. FIFTY (50) TON ROLLER OPERATION SHALL NOT BE USED IN THIS PROJECT WHERE UNDERGROUND UTILITIES ARE PRESENT. THE REQUIRED COMPACTION AT THESE LOCATIONS SHALL BE EFFECTED BY OTHER MEANS.
- 18. ALL EXCAVATIONS FOR STORM DRAINS, AND OTHER EXCAVATIONS AS NECESSARY, SHALL BE GOVERNED BY THE CONSTRUCTION SAFETY AND HEALTH STANDARDS (TITLE 29, CFR, PART 1926 AND PART 1910 AS APPLICABLE TO CONSTRUCTION WORK PUBLISHED IN THE FEDERAL REGISTER ON FEBRUARY 9, 1979).
- 19. THE CONTRACTOR SHALL NOTIFY THE ALBUQUERQUE TRAFFIC ENGINEERING DIVISION 3 WORKING DAYS IN ADVANCE OF ANY WORK REQUIRED REGARDING ALL EXISTING REGULATORY SIGNS AND SIGNALS THAT NEED TO BE REMOVED. RELOCATED OR REINSTALLED. CALL 764-1599.
- 20. WHERE PULL BOXES ABUT BACK OF CURB OR ARE LOCATED IN CONCRETE PAVED AREA PROVIDE 1/2* EXPANSION MATERIAL. ALL PULL BOXES TO BE FLUSH WITH SURFACE OF CONCRETE.
- 21. CONTRACTOR WILL BE RESPONSIBLE FOR CONNECTING NEW CONDUIT TO EXISTING OR NEW TRAFFIC CONTROL FACILITIES. THIS WORK WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.
- 22. PERMANENT SIGNING AND ALL STRIPING SHALL BE BY CITY FORCES. CONSTRUCTION SIGNING AND STRIPING SHALL BE BY CONTRACTOR.
- 23. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENT, PAVEMENT MARKINGS, CURB AND GUTTER, HANDICAP RAMPS AND SIDEWALK DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE, PER CITY OF ALBUQUERQUE STANDARDS, AT HIS OWN EXPENSE.
- 24. EXISTING MEDIAN CURB AND GUTTER AND STANDARD CURB AND GUTTER, NOT DISTURBED BY THE CONTRACTOR, AND THAT IS OUT OF ALIGNMENT OR DISPLACED VERTICALLY OR IS BADLY BROKEN OR DETERIORATED WILL BE REPLACED AS DIRECTED BY THE FIELD ENGINEER, AND WILL BE PAID FOR AT CONTRACT UNIT PRICES.
- 25. THE CONTRACTOR SHALL NOTIFY WATER SYSTEMS DIVISION (857-8200) AT LEAST 5 WORKING DAYS IN ADVANCE OR WHEN FIRE HYDRANTS WILL BE TAKEN OUT OF SERVICE AND RETURNED TO SERVICE.

- 26. ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE CURRENT EDITION OF "MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES."
- 27. ALL TRAFFIC CONTROL SIGNS MUST BE INSTALLED BEFORE CONSTRUCTION BEGINS FOR EACH PHASE OF THE WORK AS DIRECTED BY THE FIELD ENGINEER. ALL SIGN LOCATIONS WILL BE SELECTED IN THE FIELD AND APPROVED BY THE FIELD ENGINEER. SIGN HEIGHT SHALL BE 7 FT. ABOVE THE SIDEWALK LEVEL TO THE BOTTOM OF SIGN.
- 28. ALL DRUMS USED FOR TRAFFIC CONTROL MAY BE FILED WITH SAND OR WATER BALLAST LIMITED TO 100 LBS. MAXIMUM PER DRUM.
- 29. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELING PEDESTRIAN TRAFFIC AROUND ALL WORK AREAS THROUGHOUT THE CONSTRUCTION PERIOD.
- 30. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768–2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- 31. THE CONTRACTOR SHALL MAINTAIN CONTINUOUS ACCESS TO ALL PROPERTY EXCEPT DURING ACTUAL PAVING OPERATIONS. PRIOR TO ANY PAVING OPERATIONS THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNERS 3 DAYS IN ADVANCE.
- 32. ALL ADVANCE WARNING SIGNS AND ALL BARRICADES SHALL BE EQUIPPED WITH FLASHING WARNING LIGHTS, TYPE A, EXCEPT ALL CHANNELIZING BARRICADES SHALL HAVE STEADY BURNING WARNING LIGHTS, TYPE
- 33. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED AT ALL CURB RETURNS CONSTRUCTED ON THIS PROJECT AT LOCATIONS SHOWN ON THE PLANS, IN ACCORDANCE WITH CITY STANDARD DETAILS. WHEELCHAIR RAMPS SHALL BE MEASURED AND PAID AS CONCRETE SIDEWALK AND CONCRETE CURB AND GUTTER.
- 34. TEMPORARY RELOCATION OF MAILBOXES MAY BE REQUIRED DURING CONSTRUCTION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO COMPLETION OF THE WORK AND NO PAYMENT WILL BE MADE THEREFOR. ALL NECESSARY MAILBOX RELOCATION'S SHALL BE COORDINATED WITH THE U. S. POSTAL SERVICE PRIOR TO MOVING AND ALL NEW LOCATIONS SHALL BE APPROVED BY THEM.
- 35. ALL MAILBOXES THAT ARE RELOCATED WILL BE REINSTALLED AS DIRECTED. THE INSTALLATION SHALL BE PERMANENT IN NATURE.
- 36. CONCRETE BLOCKING WILL BE INSTALLED AS REQUIRED AND IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD DRAWINGS OR AS DIRECTED BY THE ENGINEER.
- 37. MANHOLE RIM ELEVATIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND WILL VARY IN ACCORDANCE WITH FINISHED PAVEMENT ELEVATIONS.
- 38. CONTRACTOR SHALL FIELD VERIFY LOCATION AND TYPE OF EXISTING UTILITIES TO BE ADJUSTED OR EXTENDED.
- 39. MILLED BITUMINOUS CONCRETE PAVEMENT WILL BE STOCKPILED FOR THE CITY AS DIRECTED BY ENGINEER.
- 40. EXISTING ENTRANCE PIPE AND CULVERTS TO BE REMOVED SHALL BE THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR.
- 41. CONTRACTOR TO VERIFY ALL FLANGE, PAD, VALVE BOX, RIM AND TOP OF PIPE ELEVATIONS IN FIELD. ELEVATIONS SHALL BE ADJUSTED TO COMPLY WITH REQUIREMENTS OF STANDARD CITY DETAILS.
- 42. THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING THE EXECUTION OF THE WATER VALVE SHUT-OFF PLAN WITH THE WATER SYSTEMS DIVISION (823-4200) 5 WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER UTILITIES.
- 43. THE CONTRACTOR SHALL COORDINATE WITH U. S. WEST ON RELOCATION OF ANY TELEPHONE BOXES.
- 44. THE CONTRACTOR SHALL REPLACE ALL POLY PIPE SERVICE LINES WITH COPPER PIPES.
- 45. ALL WATER METER BOXES THAT DO NOT MEET THE CURRENT CITY STANDARSDS SHALL BE REMOVED AND REPLACED
- 46. a. HAND DELIVER SPECIAL NOTICES TO EACH RESIDENCE BUSINESS ADJACENT TO THE CONSTRUCTION AREA AND TO OTHERS WHICH MAY BE AFFECTED BY THE CONSTRUCTION ACTIVITIES. SPECIAL NOTICES ARE TO INFORM RESIDENTS AND BUSINESSES IN WRITING WHENEVER ACCESS, UTILITY SERVICES OR OTHER SERVICES TO THEIR PROPERTY MAY BE IMPAIRED.
- b. THE CONTRACTOR SHLL BE RESPONSIBLE FOR:
- DELIVERY OF SPECIAL NOTICES NOT MORE THAN SEVEN (7)
 DAYS NOR LESS THAN FOUR (4) DAYS PRIOR TO PHYSICAL
 CONSTRUCTION WIAT WILL AFFECT THE PROPERTY.
 DELIVER CORRECTED NOTICES IF CONSTRUCTION DOES NOT
- START WITHIN 48 HOURS OF DATE GIVEN IN NOTICE.
- 3. THE WRITTEN NOTICE IS TO STATE:
 -CONTRACTOR'S NAME, ADDRESS AND LOCAL TELEPHONE
 NUMBER
- -NATURE OF WORK TO BE DONE
 -TYPE OF DISRUPTION TO EXPECT
 -EXPECTED DURATION OF CONSTRUCTION
 -CONTRACTOR'S LOCAL PHONE NUMBER TO WHICH
 EMERGENCY CONDITIONS CAN BE REPORTED DURING
- NORMAL WORKING HOURS
 -CONTRACTOR'S LOCAL PHONE NUMBER TO WHICH
 EMERGENCY CONDITIONS CAN BE REPORTED DURING NON-

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, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL 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, 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 CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
- 4. A DISPOSAL SITE FOR ALL 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 HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO BID ITEM 202-11 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 THE CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
- 6. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT 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 TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN PUBLIC RIGHT—OF—WAY.
- 8. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E. BARRICADING, SURFACE DISTURBANCE).
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PEDESTRIAN TRAFFIC ON MAE AVENUE DURING CONSTRUCTION. VALLE VISTA ELEMENTARY SCHOOL IS LOCATED ON MAE AVENUE, THE PROJECT WILL BE UNDER CONSTRUCTION DURING THE SCHOOL YEAR. IT IS IMPORTANT TO PROVIDE SAFE PEDESTRIAN ACCESS TO AND FROM THE SCHOOL. PROVIDE A DETAILED PEDESTRIAN TRAFFIC CONTROL PLAN PRIOR TO START OF CONSTRUCTION TO BCPWD FOR REVIEW. THE CONTRACTOR WILL PROVIDE BARRICADING AND CROSSING GUARDS IN THEIR PEDESTRIAN TRAFFIC CONTROL PLAN.

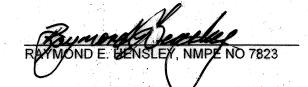


M.R.G.C.D.—GENERAL CONSTRUCTION NOTES

- 1. ANY WORK TO BE PERFORMED WITHIN THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT (M.R.G.C.D.) RIGHT-OF-WAY SHALL BE CLOSELY COORDINATED WITH THE M.R.G.C.D. ENGINEERING DEPARTMENT AND APPROPRIATE FIELD OFFICE. PHONE: (505) 247-0234
- 2. NO WORK IS TO BE DONE ON FACILITIES OR STRUCTURES BELONGING TO, OR OPERATED BY, THE M.R.G.C.D. BETWEEN MARCH 1 AND OCTOBER 31 INCLUSIVE. HOWEVER, WORK MAY BE PERMITTED BY THE M.R.G.C.D. IF IT CAN BE SHOWN THAT THE WORK WILL NOT INTERFERE WITH OPERATIONS OF THE M.R.G.C.D. FACILITY. ALL WORK TO BE DONE WITHIN THE M.R.G.C.D. FACILITIES MUST BE APPROVED BY THE M.R.G.C.D. ENGINEER PRIOR TO COMMENCING WORK.
- 3. THE CONTRACTOR SHALL NOT STORE EQUIPMENT, NEW MATERIALS OR DEBRIS WITHIN DISTRICT RIGHT-OF-WAY WHICH MAY INTERFERE WITH OPERATIONS AND MAINTENANCE OF THE M.R.G.C.D. FACILITY.
- 4. THE CONTRACTOR SHALL NOT SERVICE VEHICLES OR EQUIPMENT WITHIN M.R.G.C.D. RIGHT-OF-WAY.
- 5. SEEDING OF DISTURBED AREAS WITHIN M.R.G.C.D. RIGHT-OF-WAYS IS REQUIRED PER THE M.R.G.C.D. SEEDING SPECIFICATIONS.
- 6. THE CONTRACTOR MUST MAINTAIN A MINIMUM COVER OF 3' OVER ALL CULVERT CROSSINGS USED FOR ACCESS TO THE PROJECT SITE.
- 7. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND OR REPLACEMENT OF ANY STRUCTURES REMOVED AND OR DAMAGED DUE TO THE CONTRACTORS ACTIVITIES WITHIN THE DISTRICTS OF RIGHT—OF—WAY. SHOULD ANY TURNOUTS, CULVERT PIPES AND OR STRUCTURES REQUIRE REPLACEMENT DUE TO LEAKAGE AND OR DAMAGE BY THE CONTRACTOR, NEW TURNOUTS, AND NEW CULVERT PIPES AND OR NEW STRUCTURES SHALL REPLACE THE DAMAGED ITEM. REPAIRS AND OR REPLACEMENTS WITHIN THE DISTRICT'S RIGHT—OF—WAY MUST COMPLY WITH THE DISTRICTS SPECIFICATIONS.
- 8. ALL DAMAGED CULVERT CROSSINGS AND CULVERT CROSSINGS REMOVED AND OR DISTURBED MUST BE RESTORED AND/OR REPLACED TO THE SATISFACTION OF THE M.R.G.C.D. AND COMPLY WITH M.R.G.C.D. SPECIFICATIONS.
- 9. ALL SALVAGEABLE CULVERTS, IRRIGATION GATES, ETC. MUST BE RETURNED TO THE M.R.G.C.D..
- 10. THE CONTRACTOR IS RESPONSIBLE FOR EXECUTING A "SPECIAL USE LICENSE AGREEMENT" WITH THE M.R.G.C.D. PRIOR TO CONSTRUCTION.

AS-BUILT CERTIFICATIO

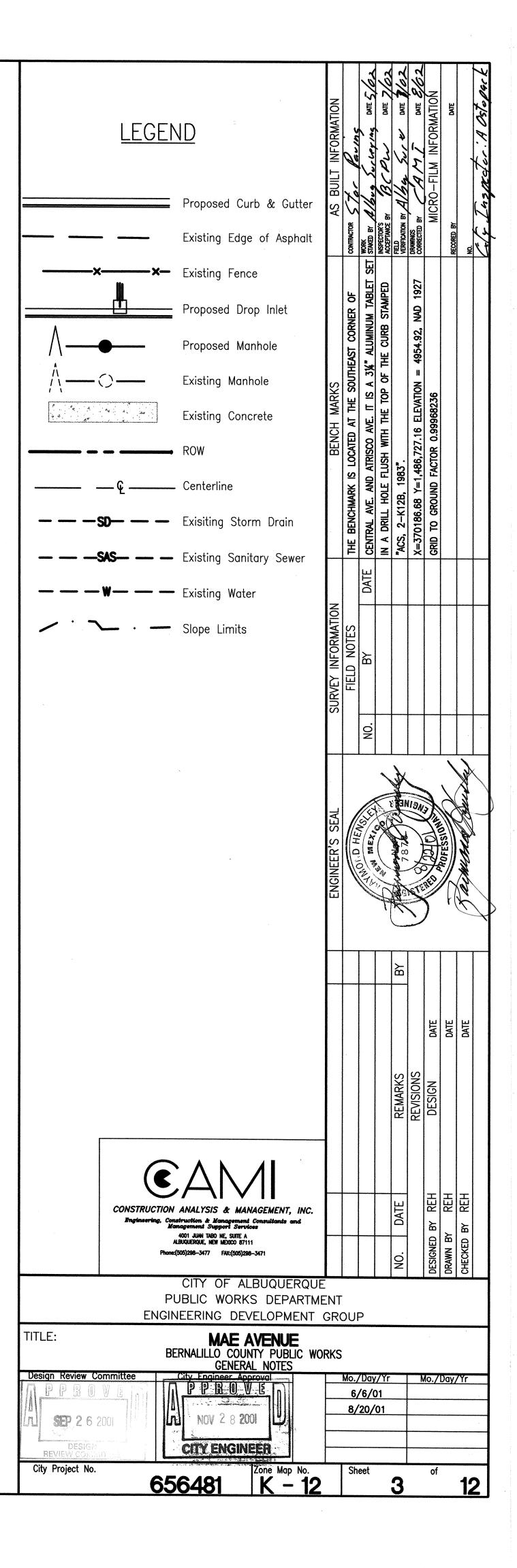
"I, RAYMOND E. HENSLEY, A DULY QUALIFIED REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE 'AS BUILT' INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM FIELD CONSTRUCTION AND 'AS-BUILT' SURVEYS PERFORMED BY ALBUQUERQUE SURVEYING, THAT THE 'AS-BUILT' INFORMATION SHOWN ON THESE DRAWINGS WAS ADDED BY ME OR UNDER MY SUPERVISION, AND THAT THIS 'AS-BUILT' INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF." ALBUQUERQUE SURVEYING IS NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING OR INTENT OF THE RECORD DRAWINGS.

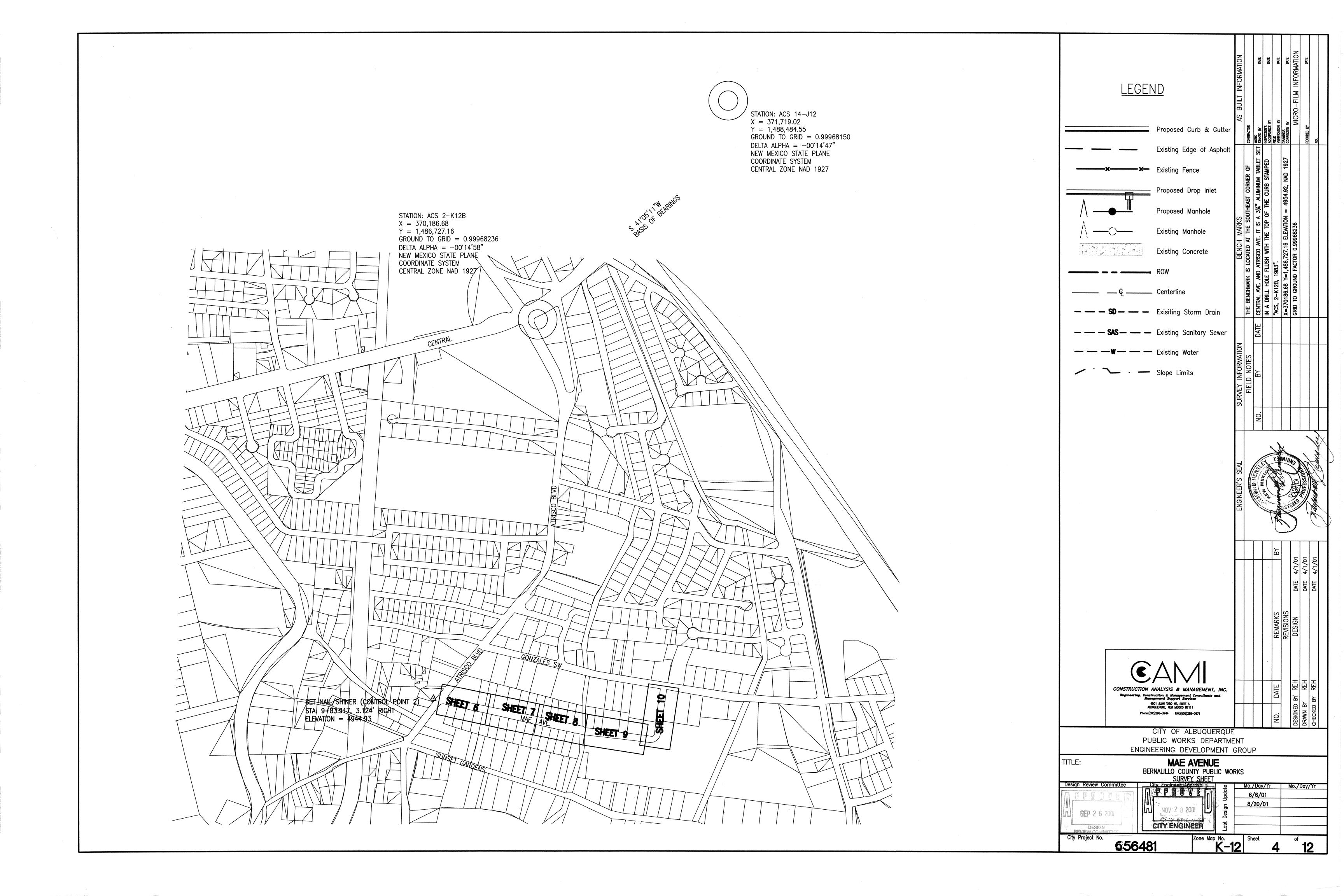


9-13-02 DATE

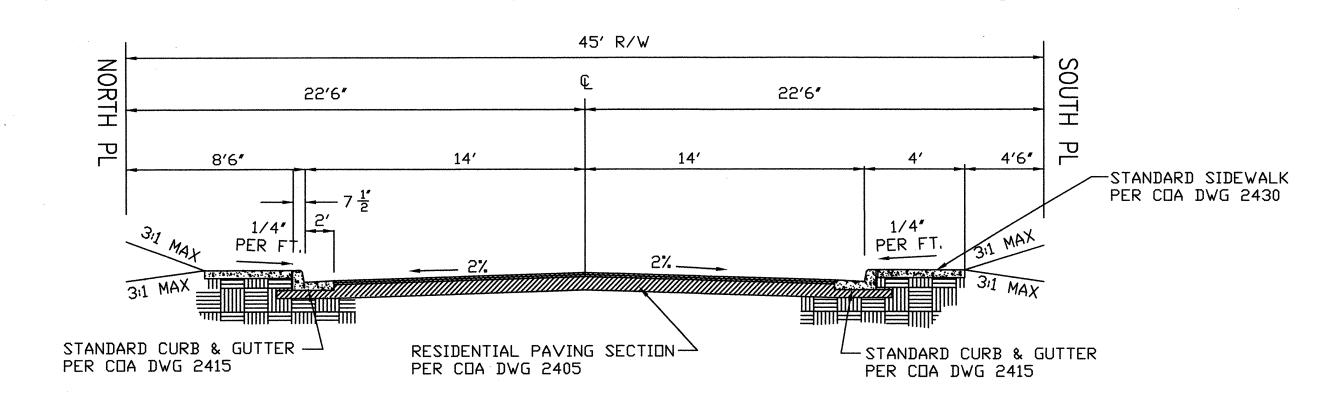
UTILITITY COMPANY CONTACTS

NAME	PHONES	BUSINESS
ARTHUR, WARREN	OFFICE PHONE: (505)241-3490 CELL PHONE 934-8818	PNM-ELECTRIC
BOUSKA, KELLY	OFFICE PHONE (505)241-7752 CELL PHONE 790-5575	PNM-GAS/GAS CO. OF NM
CROWEL, DAVID	OFFICE PHONE (505) 842-2911	AT&T
DARNELL, ANDY	OFFICE PHONE (505)346-4476	MCI WORLDCOM
ERICKSON, RITA	OFFICE PHONE (505) 761-6235	COMCAST
GAY, BOB	OFFICE PHONE (505) 898-2661	NEW MEXICO UTILITIES
HARRISON, ROYAL	OFFICE PHONE (505) 938-7339	TIME WARNER TELECOM
MARES, JOHN	OFFICE PHONE (505)998-2274	E.SPIRE
MUELLER, RICK	OFFICE PHONE (505)244-3161 CELL PHONE 280-3200	MCLOUD USA
MULLER, DAVID	OFFICE PHONE (505) 245-8706	QWEST/US WEST
PAULSEN, DENNIS	OFFICE PHONE (972) 791-3277 CELL PHONE (214) 912-341	GENUITY
STEELMAN, ROY	OFFICE PHONE (972) 944-7114	PATHNET



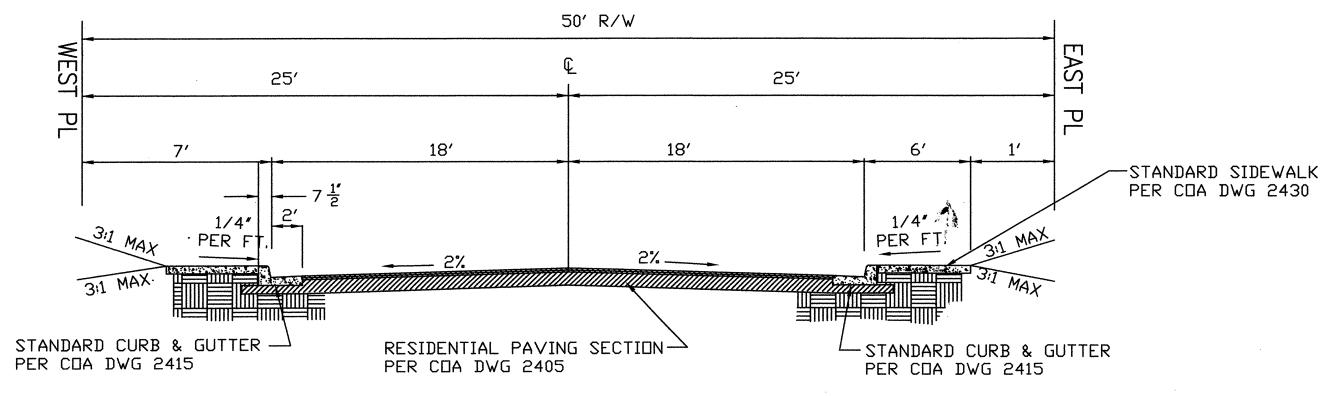


TYPICAL SECTIONS



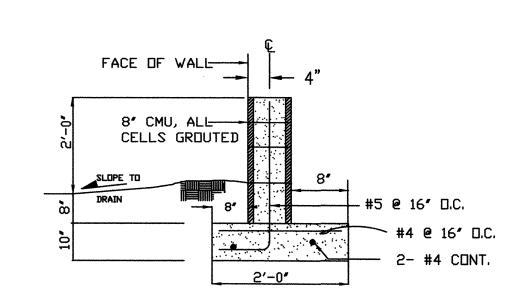
TYPICAL 45' R.O.W. RESIDENTIAL STREET SECTION

STA 10+38.00 TO STA 21+10.92 STA 28+09.75 TO STA 29+69.34 SECTION A - A



TYPICAL 50' R.O.W. RESIDENTIAL STREET SECTION N.T.S.

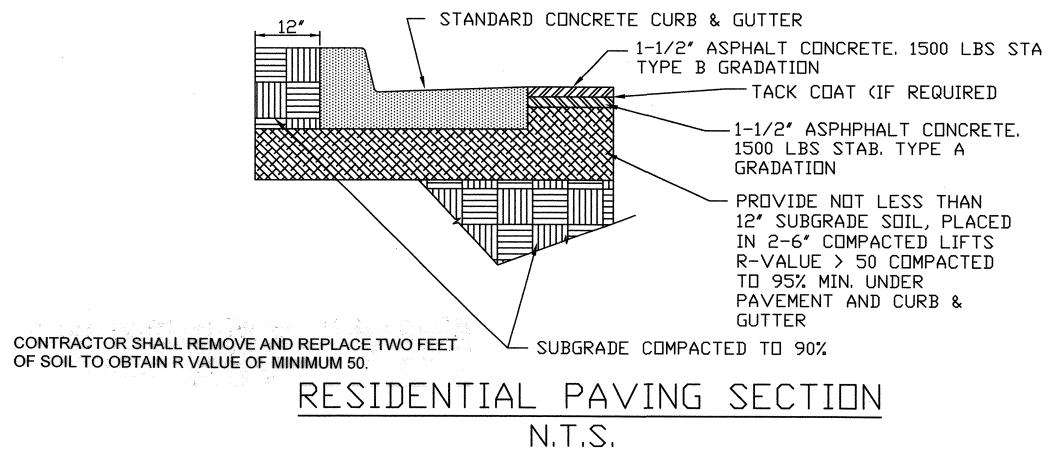
STA 21+28.80 TO 27+89.75 SECTION B - B

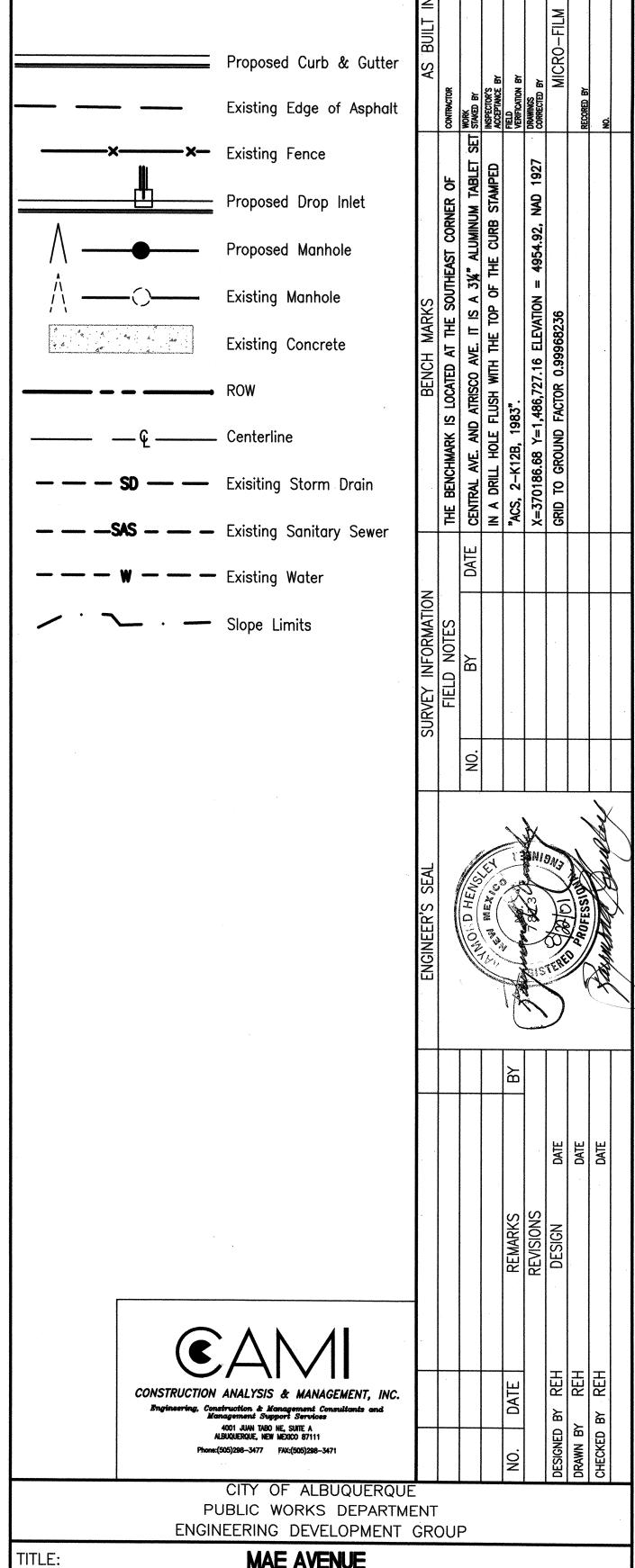


2'-0" RETAINING WALL DETAIL

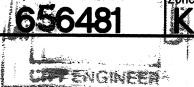
GENERAL NOTES:

- 1. ALL WALLS ARE TO HAVE 12' CMU PILASTERS @10'-0' D.C. PLACE ND. 4's IN EACH CELL. FILL ALL CELLS WITH CONCRETE.
- 2. ALL CONCRETE IS TO BE 3000 PSI.
- 3. MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM D 1557 FOR A DEPTH OF 12% MOISTURE CONTENT IS TO BE \pm 2.0% OF OPTIMUM
- 4. BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
- 5. ALL BARS ARE TO BE GRADE 60, ASTM 615.
- 6. TRUSS TYPE DUR-D-WALL EVERY DTHER COURSE.





LEGEND



NOV 2 8 2001

CITY ENGINEER

SEP 2 6 2001

DESIGN REVIEW COMMIT

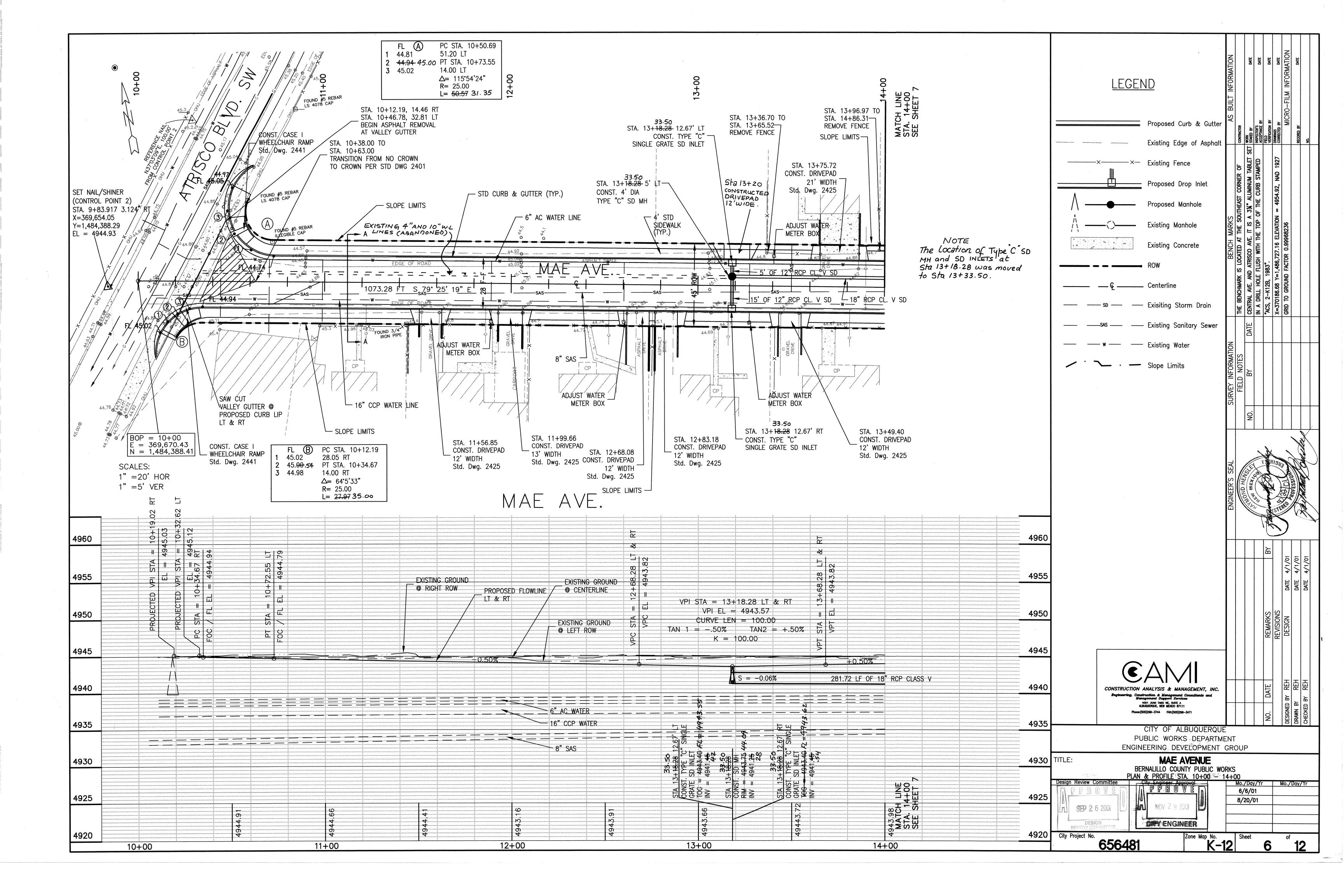
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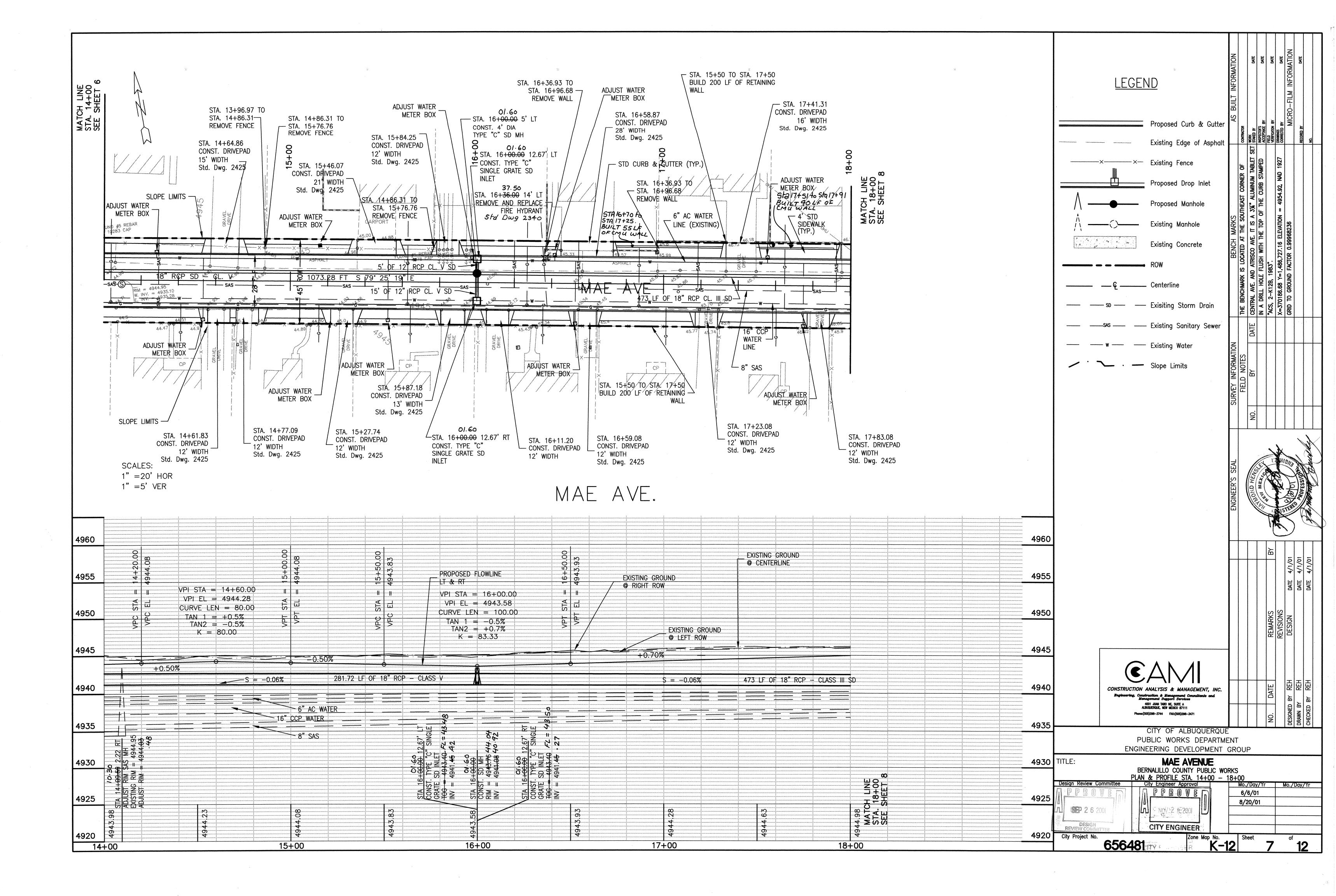
MAE AVENUE

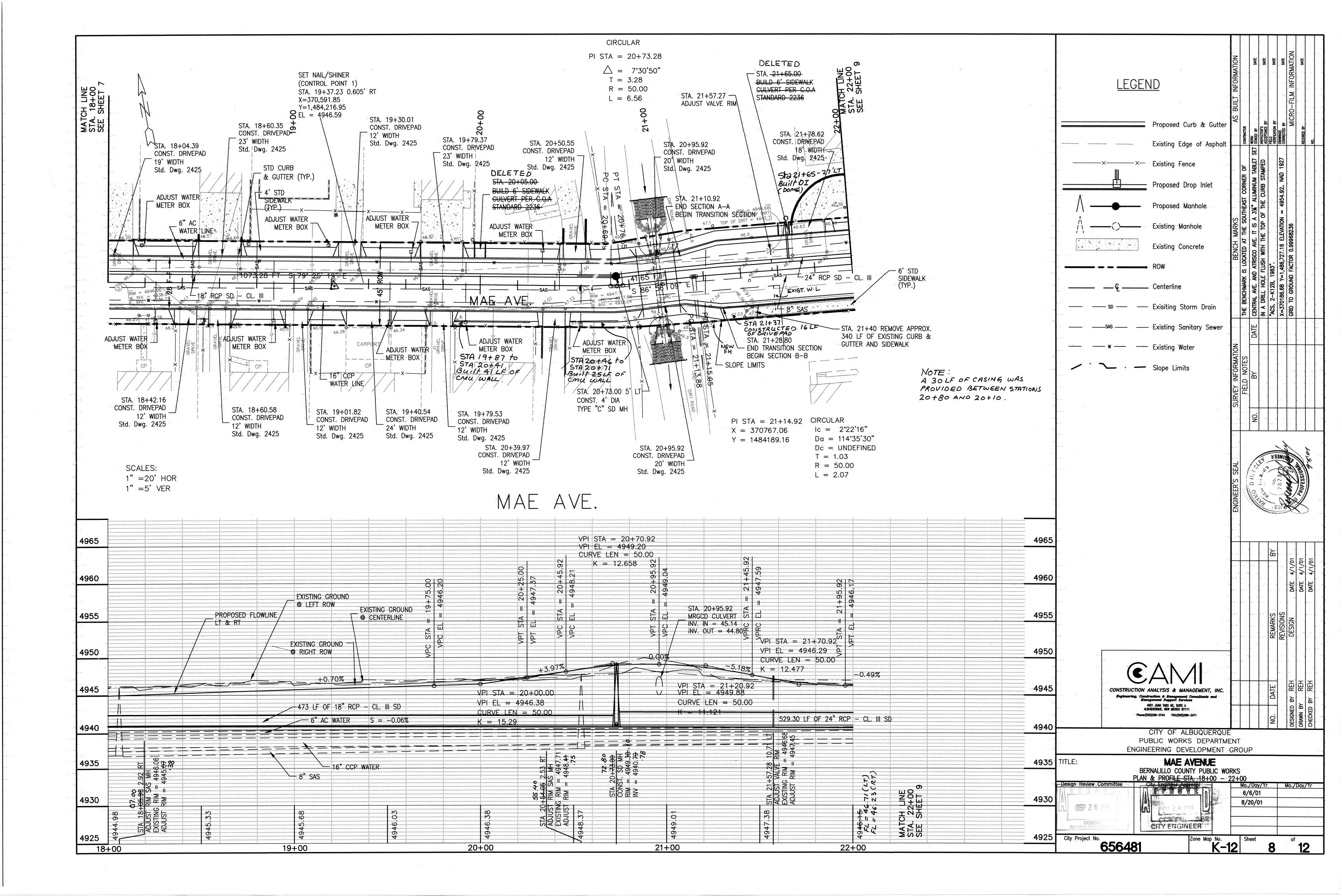
BERNALILLO COUNTY PUBLIC WORKS
TYPICAL SECTIONS & RETAINING WALL DETAILS

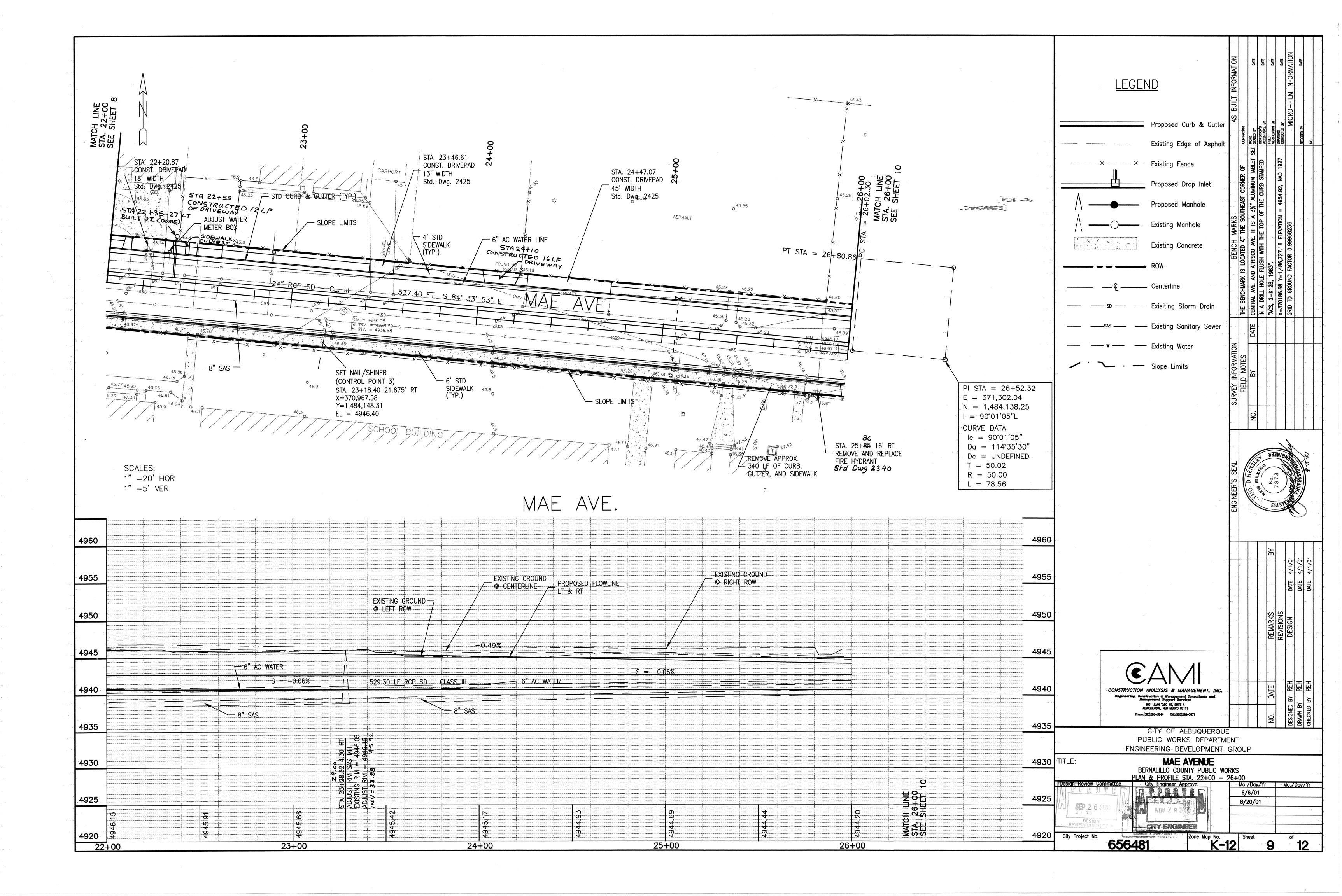
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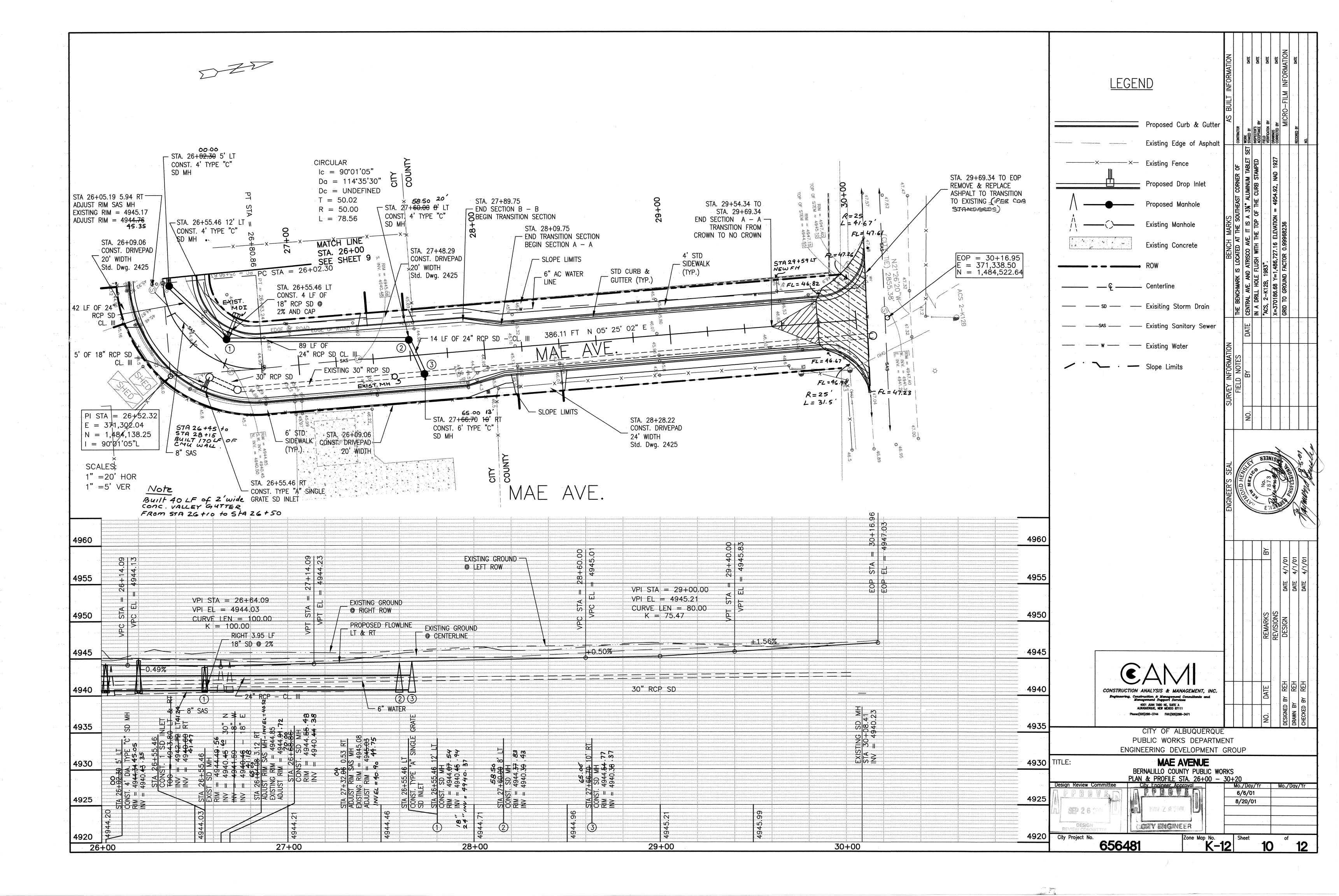
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CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

- 1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.
- 2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPERATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.
- 3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.
- 4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
- 5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.
- 6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
- 7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.
- 8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.
- 9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.
- 10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.
- 11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.
- 12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.
- 13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
- 14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
- 15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
- 16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
- 17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.
- 18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
- 19. 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.
- 20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

- 21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.
- 22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING: 1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION. 2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION. 3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER

SECTIONS.

- 23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.
- 24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION, WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE. 25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION
- 26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.

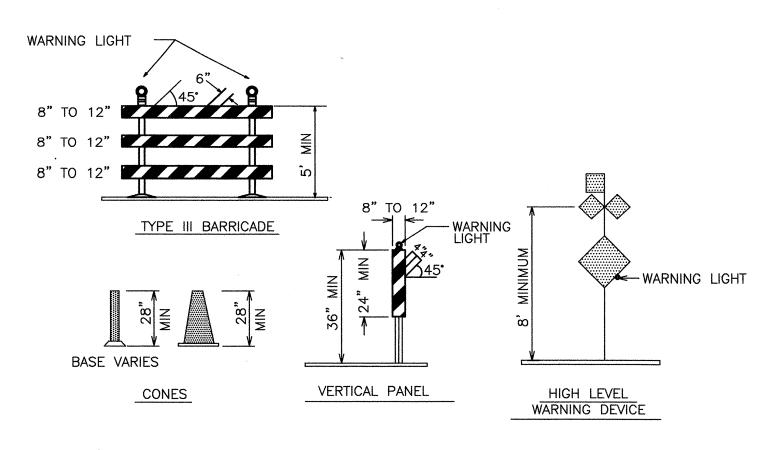
SPECIAL PROJECT TRAFFIC CONTROL NOTES

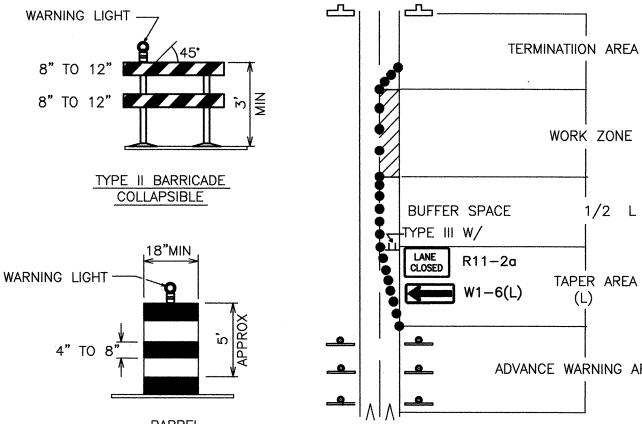
TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

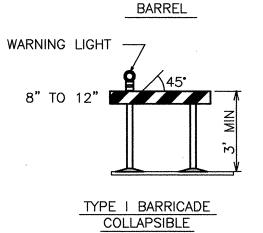
- 1. CONSTRUCTION OF THIS PROJECT WILL REQUIRE EXCAVATION AND BARRICADE PERMIT FEES.
- 2. CONTRACTOR SHALL PROVIDE ACCESS TO VALLE VISTA ELEMENTARY SCHOOL AT ALL TIMES.

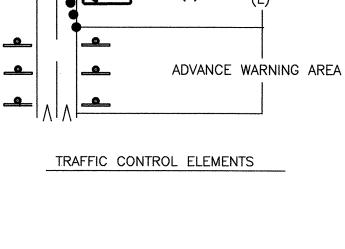
SPECIAL SIGN 30

- 3. CONTRACTOR SHALL PROVIDE ACCESS TO ALL RESIDENTS ALONG MAE AVENUE AT ALL TIMES, WITH DIRECT ACCESS INTO DRIVEWAYS AT THE CONCLUSION OF EACH WORK SHIFT.
- 4. SEE CONSTRUCTION NOTES FOR PEDESTRIAN SAFETY.





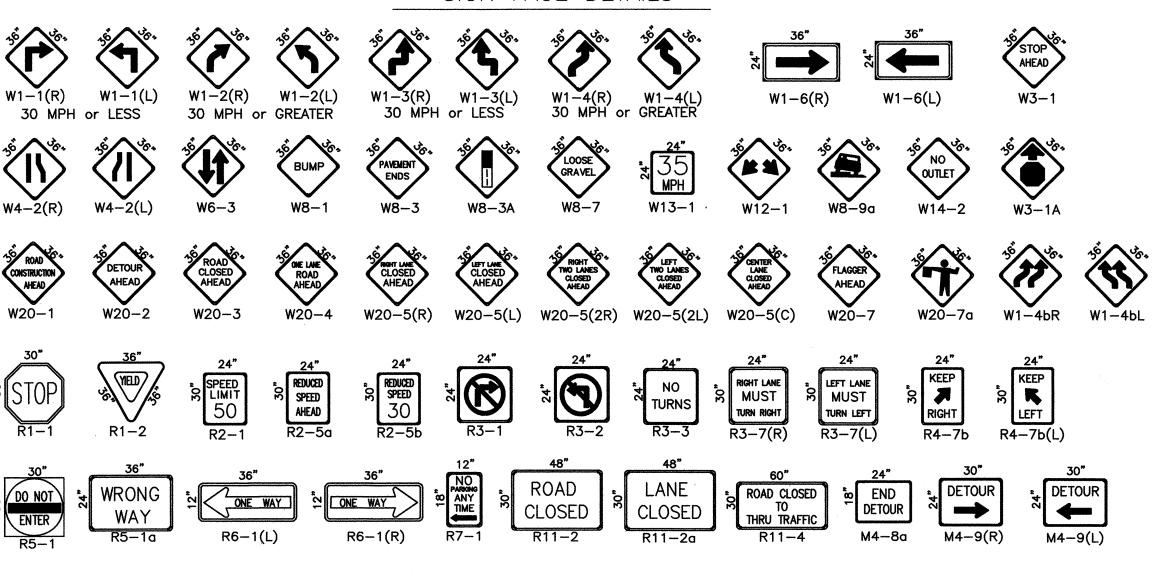




CONSTRUCTION

G20-2

SIGN FACE DETAILS



ALL CONSTRUCTIONN WARNING SIGNS

SHALL HAVE A BLACK LEGEND ON A

ORANGE BACKGROUND.

LEGEND

WORK AREA BARRICADE - TYPE I, TYPE II, OR BARREL

BARRICADE - TYPE III

VERTICAL PANEL

WARNING SIGN

DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET

FLAGMAN POSITION

SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET

EQUAL TO THE STREET LIMIT OF THE STREET TAPER LENGTH - SEE CHART BELOW

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENT

SPEED LIMIT	TAPI	ER LENGTI (FEET)	H(L)	MINIMUM NUMBER OF	MAXIMUM DEVICE SPACING IN FEET		
(MPH)	10' LANE	11' LANE	12' LANE	DEVICES FOR TAPER	ALONG TAPER	AFTER TAPER	
20	70	75	80	5	20	20	
25	105	115	125	6	25	25	
30	150	165	180	- 7	30	30	
35	205	225	245	8	35	35	
40	270	295	320	9	40	40	
45	450	495	540	13	45	45	
50	500	550	600	13	- 50	50	
55	550	605	660	13	55	55	

RECOMMENDED SIGN SPACING(D) FOR

ADVANCE WARNING SIGN SERIES

SPEED MILES PER HOUR			MINIMU BETWE SIGN	EN	TANC		IN FEET FROM LAST GN TO TAPER
0-20	10	Χ	SPEED	LIMIT	10	Χ	SPEED LIMIT
25-30	10	Χ	SPEED	LIMIT	1.0	Χ	SPEED LIMIT
30-35	10	Χ	SPEED	LIMIT	10	Χ	SPEED LIMIT
40-45	10	Χ	SPEED	LIMIT	10	Χ	SPEED LIMIT
50-60	10	Χ	SPEED	LIMIT	10	Χ	SPEED LIMIT

TAPER CRITERIA

TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER: MERGING TAPER	L MINIMUM
SHIFTING TAPER SHOULDER TAPER TWO-WAY TRAFFIC TAPER DOWNSTREAM TAPERS	1/2 L MINIMUM 1/2 L MINIMUM 100 FEET MAXIMUM 100 FEET PER LANE

 $L = W \times S$

TAPER LENGTH COMPUTATION

SPEED LIMIT		
40 MPH OR LESS	$L = \frac{WS}{60}$	2

S = POSTED SPEED OR OFF-PEAK

85-PERCENTILE SPEED IN MPH

L = TAPER LENGTHW = WIDTH OF OFFSET IN FEET

40 MPH OR GREATER

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP

BERNALILLO COUNTY PUBLIC WORKS

Design Review Committee

K-12

MAE AVENUE TRAFFIC CONTROL PLAN City Engineer Approval Mo./Day/Yr | Mo./Day/Yr 6/6/01 8/20/01

工工工工

DATE DATE

City Project No.

