

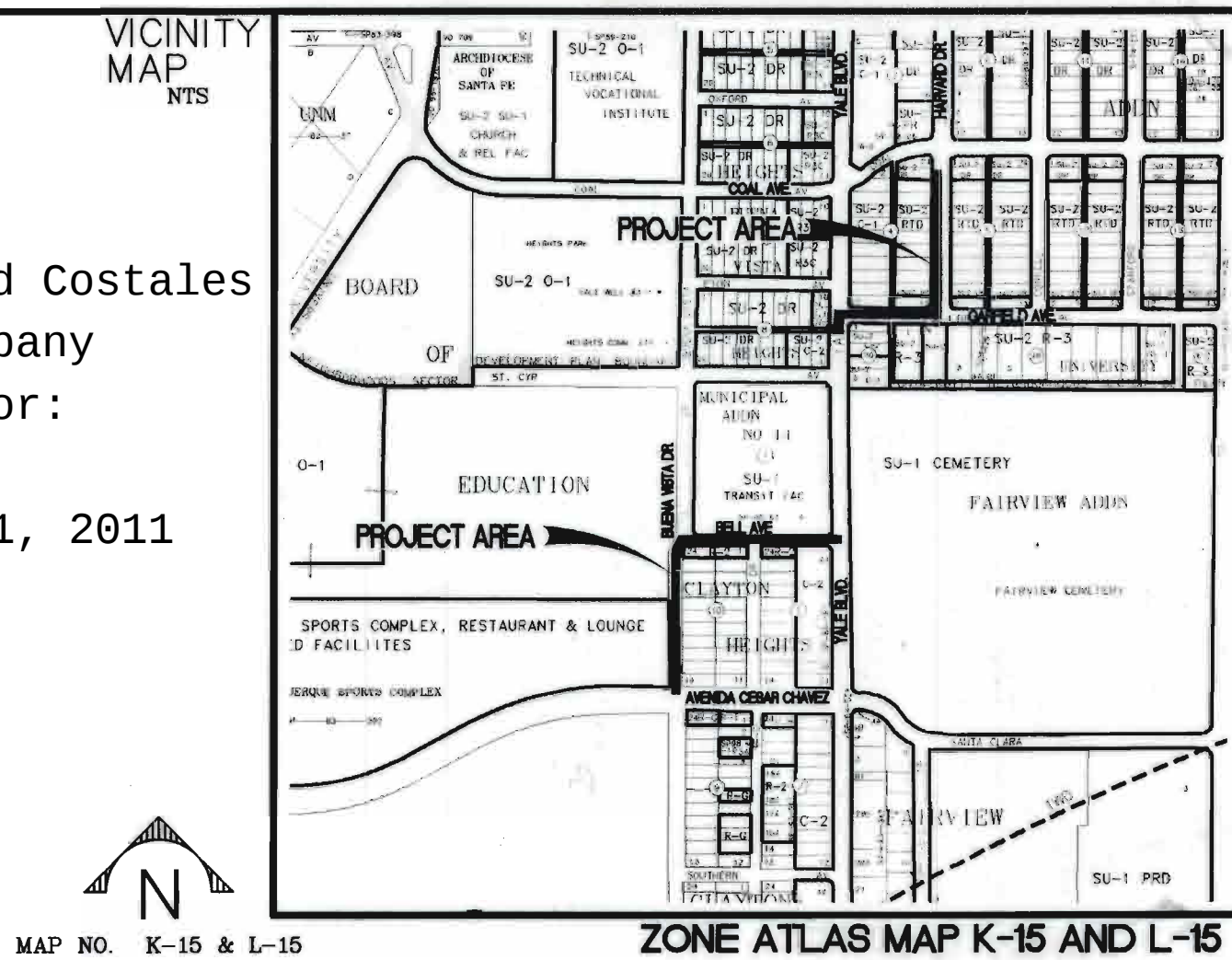


CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
PLANS FOR CONSTRUCTION

COAL AVENUE STORM DRAIN
REHABILITATION PROJECT

PROJECT #452291

City Inspector: Raul Vasquez
City Project Manager: Richard Costales
Contractor: TLC Plumbing Company
City Urban Program Supervisor:
Adam Bergstrasser
Letter of Acceptance: July 1, 2011



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SUGGESTED TRAFFIC CONTROL PLAN (FOR INFO ONLY)

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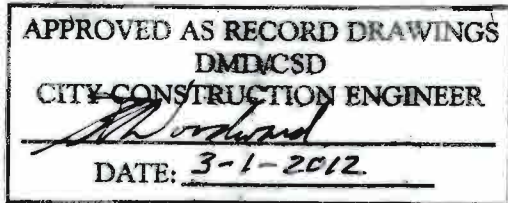
SURVEYOR'S CERTIFICATION

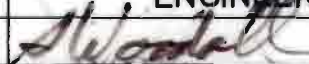
I, WILL PLOTNER JR., A DULY QUALIFIED, REGISTERED, PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE 'AS-BUILT' INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM FIELD CONSTRUCTION AND 'AS-BUILT' SURVEYS PERFORMED BY ME OR UNDER MY SUPERVISION, THAT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

WILL PLOTNER JR., NMPS 14271

NOTES:

1. CONTRACTOR SHALL WORK CONTINUOUSLY, 24-HOURS PER DAY, ON ALL ARTERIAL ROADWAYS WHEN TRAFFIC LANES ARE CLOSED TO TRAFFIC UNLESS THE WORK VIOLATES THE CITY'S NOISE ORDINANCE.
2. IF THE CONTRACTOR IS NOT ALLOWED TO WORK AT NIGHT DUE TO NOISE ORDINANCE VIOLATIONS, THE CONTRACTOR SHALL OPEN ALL TRAFFIC LANES TO TRAFFIC WITH THE PROPER USE OF TRENCH PLATES DURING NON-WORKING HOURS, AND MUST WORK MINIMUM HOURS FROM 9:00 A.M. TO 3:00 P.M. MONDAY THROUGH SATURDAYS.
3. ARTERIAL STREETS ARE AS INDICATED IN THE "LONG RANGE ROADWAY SYSTEM" MAP PUBLISHED BY THE MID-REGION COUNCIL OF GOVERNMENTS (MRCOG).



REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE		
ENGINEERS STAMP & SIGNATURE		APPROVED	ENGINEER		DATE	APPROVED FOR CONSTRUCTION			
  2-2-10 3-4-10		DRC Chairman			3/3/10	 3-8-10			
		Transportation			2/2/10				
		Water/Wastewater			2-2-10				
		Hydrology			3/4/10				
		C I P							
		AMAFCA				CITY ENGINEER			
		Constr. Coord.				DATE			
PROJECT NUMBER				ZONE ATLAS NO.		DRAWING NO. 1 OF 29			
452291				K-15 & L-15					

GENERAL NOTES:

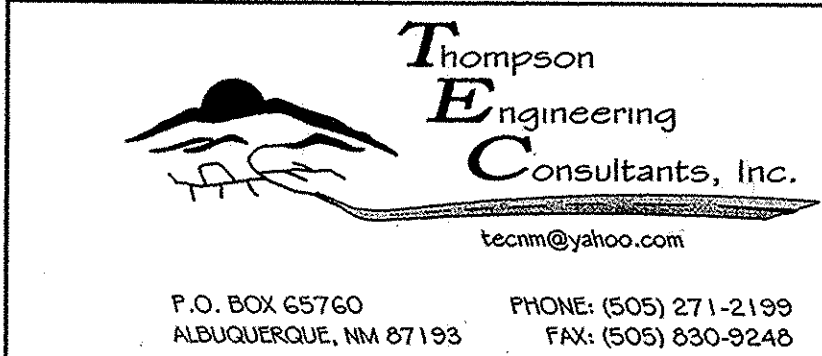
- 1 SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR WILL SUBMIT A DETAILED CONSTRUCTION SCHEDULE TO THE CITY CONSTRUCTION COORDINATION DIVISION. TWO (2) DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF SPECIFICATIONS.
- 2 THE CONTRACTOR WILL NOTIFY THE FIELD ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK, IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. THE CONTRACTOR WILL NOTIFY THE CITY SURVEYOR IF A MONUMENT IS DISTURBED. REPLACEMENT WILL BE DONE ONLY BY THE CITY SURVEY SECTION. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR WILL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4 OF SPECIFICATIONS.
- 3 THE SPECIFICATIONS USED FOR THIS PROJECT ARE THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1994 EDITION, UPDATE NO. 7, AMEND NO. 1.
- 4 ALL NEW MANHOLES SHALL BE TYPE "E" (COA DWG. 2102) UNLESS OTHERWISE NOTED ON THE PLANS.
- 5 THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, BUT NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIALS.
- 6 ALL EXISTING WATER VALVE BOXES AND MANHOLES LOCATED WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE ADJUSTED TO FINISH GRADE AND WILL BE MEASURED AND PAID PER EACH.
- 7 SUBGRADE PREPARATION UNDER SIDEWALKS AND DRIVE PADS, AND SUBGRADE AND SUBBASE PREPARATION UNDER CURB AND GUTTER IS CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF SUCH, AND NO DIRECT PAYMENT SHALL BE MADE FOR THOSE ITEMS OF WORK.
- 8 THE ALBUQUERQUE WATER AUTHORITY (857-8200) WILL BE NOTIFIED BY THE CONTRACTOR SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER FACILITIES. REFER TO SECTION 18 OF SPECIFICATIONS.
- 9 ALL EXCAVATION TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
- 10 ALL SIGNS AND CODING WILL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" CURRENT EDITION PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION.
- 11 THE CONTRACTOR IS TO EXERCISE CARE TO AVOID DISTURBING ANY EXISTING UNDERGROUND UTILITIES. IT WILL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION. SEE SECTION 18 "UTILITIES", CITY OF ALBUQUERQUE, STANDARD SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS.
- 12 WHEN ABUTTING NEW PAVEMENT TO EXISTING INTERSECTING STREETS, SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE AND AT RIGHT ANGLES AND REMOVE ANY BROKEN OR CRACKED PAVEMENT. NO DIRECT PAYMENT WILL BE MADE FOR SAW CUTTING.
- 13 ALL GAS VALVES, GAS MANHOLES, ELECTRICAL MANHOLES, TELEPHONE MANHOLES, AND UTILITY POLES WILL BE ADJUSTED TO GRADE BY EACH UTILITY COMPANY.
- 14 WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE BACK TO NEAREST SUITABLE JOINT UNLESS OTHERWISE DIRECTED BY THE FIELD ENGINEER.
- 15 THE CONTRACTOR WILL NOTIFY NEW MEXICO ONE CALL SYSTEM 260-1990 TWO (2) WORKING DAYS PRIOR TO COMMENCING WORK IN NEW AREAS.
- 16 CONTRACTOR WILL MAKE ALL WATER VALVES AND MANHOLES ACCESSIBLE TO THE CITY AT ALL TIMES.
- 17 CONTRACTOR WILL PLACE BITUMINOUS MATERIAL WITH THE USE OF A LAYDOWN MACHINE WHERE PAVEMENT IS 8 FEET IN WIDTH OR WIDER. PER COA STD DWG 2465
- 18 ALL SUBGRADE AND SUBBASE MATERIAL ENCOUNTERED IN PAVEMENT REMOVAL AND REPLACEMENT THAT IS DETERMINED BY THE FIELD ENGINEER TO MEET THE SPECIFICATIONS, CAN BE REUSED. HOWEVER, THE MATERIAL WILL BE PROCESSED AND COMPACTED TO MEET MOISTURE CONTENT AND PERCENT COMPACTION REQUIRED BY THE SPECIFICATIONS.
- 19 CONTRACTOR WILL NOT PAVE OVER ANY SURFACE FEATURE, I.E., GAS VALVE, MANHOLE COVER, ETC.
- 20 CONTRACTOR WILL CONFINE HIS WORK WITHIN THE EASEMENT LIMITS AND/OR RIGHT-OF-WAY, OR PROVIDE COPIES OF AGREEMENTS WITH ADJACENT LANDOWNERS TO THE CITY OF ALBUQUERQUE.
- 21 ALL WATER VALVE AND MANHOLE ADJUSTMENTS SHALL INCLUDE PLACEMENT OF EMD'S.
- 22 ALL NEW VALVES AND MANHOLES SHALL INCLUDE PLACEMENT OF EMD'S.
- 23 ALL WATERLINE BENDS SHALL INCLUDE PLACEMENTS OF EMD'S OVER MAIN AND CROSSINGS.

- 24 ALL WATER VALVES AND FIRE HYDRANTS REMOVED TO BE SALVAGED AND RETURNED TO THE A.B.C.W.U.A.
- 25 MINIMUM BOTTOM WIDTH OF TRENCHES FOR RIGID PIPE SHALL BE EQUAL TO THE OUTSIDE DIAMETER PLUS 18 INCHES. BEDDING MATERIAL SHALL BE CLASS II, III, OR IV UNLESS OTHERWISE SPECIFICALLY NOTED ON THE PLANS.
- 26 MINIMUM BOTTOM WIDTH OF TRENCHES FOR NON-RIGID PIPE SHALL BE EQUAL TO THE OUTSIDE DIAMETER PLUS 12 INCHES. BEDDING MATERIAL SHALL BE CLASS I, II, OR III. UNLESS OTHERWISE SPECIFICALLY NOTED ON THE PLANS.
- 27 THE CONTRACTOR AGREES TO TAKE NECESSARY SAFETY PRECAUTIONS AS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES TO PROTECT PEDESTRIAN AND VEHICULAR TRAFFIC IN THE CONSTRUCTION AREA, WHICH INCLUDE BUT ARE NOT LIMITED TO: MAINTAINING ADEQUATE WARNING SIGNS, BARRICADES, LIGHTS, GUARD FENCES, WALKS AND BRIDGES.
- 28 ALL STRUCTURAL CONCRETE TO BE 4000 PSI UNLESS OTHERWISE NOTED ON PLANS.
- 29 ALL REINFORCING STEEL TO BE GRADE 60.
- 30 ALL EXPOSED EDGES ON CAST-IN-PLACE CONCRETE STRUCTURES WILL HAVE A 1" CHAMFER UNLESS OTHERWISE NOTED.
- 31 ALL SPLICES IN REINFORCING STEEL TO BE 2-FOOT 6-INCH MINIMUM UNLESS OTHERWISE NOTED.
- 32 PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL CONFLICTING UTILITIES. SHOULD A CONFLICT EXIST BETWEEN THE FIELD INFORMATION AND THE PLANS, THE CONTRACTOR WILL NOTIFY THE ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
- 33 THE REPLACEMENT OF THE EXISTING UTILITIES AND THE INSTALLATION OF NEW UTILITY LINES WILL BE COMPLETED IN ADVANCE OF STARTING THE PAVEMENT WORK. TEMPORARY PAVEMENT WILL BE PLACED IN ALL TRENCHES REQUIRED FOR THE UTILITY REPLACEMENTS IN THOSE AREAS THAT MUST MAINTAIN TRAFFIC UNTIL THE FINAL PAVEMENT WORK STARTS IN EACH AREA. TEMPORARY STRIPING SHALL BE THE CONTRACTOR'S RESPONSIBILITY. MAINTENANCE OF THE TEMPORARY PAVING AND STRIPING WILL BE AT THE CONTRACTOR'S EXPENSE.
- 34 TACK COAT FOR SURFACE COURSE REQUIREMENTS WILL BE DETERMINED BY THE ENGINEER.
- 35 ALL NEW STREET PAVING, DRIVEWAYS, SIDEWALKS, AND CURB AND GUTTERS, ABUTTING EXISTING AREAS SHALL MATCH THE ELEVATION OF THOSE AREAS.
- 36 PERMANENT PAVEMENT STRIPING AND MARKINGS WILL BE PLACED BY THE CONTRACTOR. ROAD SHALL NOT BE OPENED TO TRAFFIC UNTIL IT IS STRIPED. ALL STRIPING, PAVEMENT MARKINGS INCLUDING CROSSWALKS, ARROWS AND LINE MARKINGS ARE TO BE CONSTRUCTED OF HOT PLASTIC OR COLD PLASTIC IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- 37 ALL EXCAVATED MATERIAL THAT IS NOT REQUIRED TO BE REUSED MUST BE REMOVED FROM THE PROJECT AREA WITHIN FOUR DAYS OF EXCAVATION. SPOIL PILES WILL BE ALLOWED ONLY AS DIRECTED BY THE ENGINEER.
- 38 THE CONTRACTOR WILL COORDINATE THE CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE THEIR ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS. A CONTRACT EXTENSION MAY BE ALLOWED AS DELINEATED IN CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS.
- 39 EXISTING STANDARD CURB AND GUTTER, NOT DISTURBED BY CONTRACTOR, BUT OUT OF ALIGNMENT, DISPLACED VERTICALLY, BADLY BROKEN AND/OR DETERIORATED, WILL BE REPLACED AS DIRECTED BY THE ENGINEER AND PAID FOR AT CONTRACT UNIT PRICES.
- 40 ALL TRAFFIC CONTROL DEVICES REQUIRED FOR DRIVEWAY CLOSURES, UTILITY CONSTRUCTION OR FOR OTHER REASONS AND NOT SHOWN ON THE SIGNING PLANS WILL BE FURNISHED BY THE CONTRACTOR AND WILL BE PAID AS SPECIFIED IN THE TECHNICAL SPECIFICATIONS AND BID PROPOSAL. PRIOR TO PLACING THE TRAFFIC CONTROL DEVICES, THE CONTRACTOR WILL NOTIFY THE AFFECTED OWNERS IN ACCORDANCE WITH THE SPECIFICATIONS. CONTRACTOR MUST MAKE PROVISIONS TO PROVIDE ACCESS TO PROPERTIES. REFER TO SECTION 19 OF THE SPECIFICATIONS.
- 41 ALL UTILITY LINES AND STORM DRAIN LINES WHICH ARE NOT SPECIFICALLY DESIGNATED TO BE REMOVED AND REPLACED ON THE PLANS, WILL BE MAINTAINED IN SERVICE. SHORING, SHEETING AND OTHER MEANS OF SUPPORT SHALL BE EMPLOYED BY THE CONTRACTOR TO PREVENT DAMAGE OR LOSS OF THESE EXISTING UTILITIES. BEAM AND CABLE OR OTHER ADEQUATE SUPPORTS WILL BE USED FOR TEMPORARY SUPPORT OF ALL UTILITY LINES WHICH CROSS THE TRENCH. ANY DAMAGE TO EXISTING UTILITIES AND STORM DRAINS WILL PROMPTLY BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR WILL NOTIFY THE ENGINEER IMMEDIATELY OF ANY SIGNIFICANT DEVIATION OF EXPOSED UTILITIES FROM THE LOCATIONS SHOWN ON THE PLANS SO THAT CONFLICTS CAN BE RESOLVED IN A TIMELY MANNER.
- 42 WATER SERVICE LINE RELOCATIONS WILL REQUIRE A NEW COPPER SERVICE BETWEEN THE MAIN LINE AND THE METER. SPLICES WILL NOT BE ALLOWED.
- 43 FIRE HYDRANTS TO BE RELOCATED SHALL BE SALVAGED TO THE WATER AUTHORITY AND REPLACED WITH A NEW UNIT AS ALLOWED BY THE AUTHORITY'S APPROVED PRODUCTS LIST.

- 44 THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING COA INFRASTRUCTURE (C & G, PAVING, ETC.) DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND WILL REPAIR OR REPLACE SAME AT HIS OWN EXPENSE. HE WILL SUITABLY PROTECT THE CURB AND GUTTER FROM INCIDENTAL SPLASHING DURING THE TACK COAT APPLICATION AND WILL BE RESPONSIBLE FOR CLEANING SAME AT HIS OWN COST SHOULD SPLASHING OCCUR.
- 45 ALL INTERFERING PORTIONS OF ABANDONED UTILITY LINES WHICH ARE EXPOSED AS A RESULT OF CONSTRUCTION WILL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
- 46 STATIONS OF STORM DRAIN INLETS ARE TO THE CENTER OF GRATE. ALL STORM DRAIN INLETS WILL BE TYPE "A" UNLESS OTHERWISE NOTED ON THE PLANS.
- 47 SHORING COSTS WILL BE CONSIDERED INCIDENTAL TO THE TRENCH AND BACKFILL COSTS.
- 48 THE CONTRACTOR WILL BE RESPONSIBLE FOR SECURING NPDES PERMITS REQUIRED BY APPLICABLE CITY, STATE, AND FEDERAL REGULATIONS.
- 49 ALL STORM DRAIN AND CONNECTOR PIPE WILL BE CLASS IV REINFORCED CONCRETE PIPE UNLESS OTHERWISE NOTED ON THE PLANS.
- 50 THE TERM REMOVE USED IN THIS PLAN SET INCLUDES THE DISPOSAL OF SAID MATERIAL IN ACCORDANCE WITH CITY OF ALBUQUERQUE SPECIFICATIONS, LATEST EDITION.
- 51 CONTRACTOR WILL SURVEY AND LOG EXISTING ELEVATIONS OF CURB-AND-GUTTER, SIDEWALK, AND PAVEMENT WHICH WILL BE REMOVED FOR CONSTRUCTION OF IMPROVEMENTS. CONTRACTOR WILL REPLACE REMOVED CURB-AND-GUTTER, SIDEWALK, DRIVE PADS, AND PAVEMENT TO ELEVATIONS PRIOR TO REMOVAL UNLESS OTHERWISE INDICATED ON THE PLANS.
- 52 CONTRACTOR WILL CONSTRUCT TEMPORARY ASPHALT PAVEMENT AS DIRECTED BY THE ENGINEER TO PROVIDE ACCESS TO LOCAL BUSINESS, ETC. TEMPORARY PAVEMENT SHALL BE REMOVED AND DISPOSED OF PRIOR TO PLACEMENT OF FULL WIDTH PAVEMENT SECTION. TEMPORARY PAVING SHALL BE PER COA STD. DWG. 2415B AND PAID FOR PER COA STD. SPECIFICATIONS.
- 53 CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- 54 ALL STRIPING ON C.O.A. STREETS REMOVED OR DAMAGE MUST BE REPLACED WITH PLASTIC. STRIPING ERADICATION SHALL BE ACCOMPLISHED BY WATER BLASTING OR SURFACE PLANING OF THE ROADWAY TO A MAXIMUM DEPTH OF 0.25 INCHES AND FOR A WIDTH EQUAL TO TWO TIMES THE WIDTH OF THE STRIPE OR MARKING TO BE REMOVED.
- 55 RCP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. MANUFACTURER'S RECOMMENDED JOINT GAP TOLERANCES FOR EACH PIPE SIZE AND TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF PIPE. RCP JOINTS SHALL NOT BE GROUTED UNLESS DIRECTED BY THE ENGINEER AFTER CITY APPROVAL.
- 56 ALL DISTURBED GROUND AREAS SHALL BE REVEGETATED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, SECTION 1012 NATIVE GRASS SEEDING, AS CURRENTLY UPDATED.
- 57 IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION, THE CONTRACTOR SHALL INITIATE PROTECTIVE MEASURES TO PREVENT ABRUPT PAVEMENT CHANGES. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
- 58 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE C.O.A.
- 59 HEALTH AND SAFETY NOTE: THIS PROJECT IS BEING PERFORMED ON AND/OR NEAR A FORMER LANDFILL. THE CONTRACTOR IS RESPONSIBLE FOR THE HEALTH AND SAFETY OF HIS/HER WORKERS. THE WORK DETAILED IN THE PROJECT MAY REQUIRE THAT A HEALTH AND SAFETY PLAN BE PREPARED ACCORDING TO OSHA 1910.120. COSTS ASSOCIATED WITH THE HEALTH AND SAFETY PLAN SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 60 ALL Q'S, V'S AND HGL'S SHOWN ON THE PLAN AND PROFILE SHEETS ARE FOR THE 100-YEAR EVENT.

LEGEND:

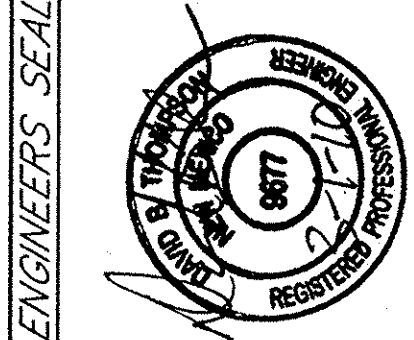
EXISTING FIRE HYDRANT		EXISTING CONTROL POINTS
EXISTING WATER VALVE		POT HOLE
EXISTING IRRIGATION CONTROL VALVE		PROPOSED CENTERLINE
EXISTING WATER METER		PROPOSED 4" PERFORATED PIPE
EXISTING SAS MANHOLE		PROPOSED FENCE
EXISTING STORM MANHOLE		PROPOSED STORM DRAIN
EXISTING COMMUNICATION PEDESTAL		PROPOSED MANHOLE
EXISTING ELECTRIC BOX		PROPOSED STORM INLET
EXISTING GAS METER		PROPOSED ASPHALT CURB
EXISTING PULLBOX		PROPOSED CURB & GUTTER
EXISTING CATV PEDESTAL		PROPOSED ARTERIAL PAVEMENT
EXISTING STREET LIGHT		EXISTING STORM DRAIN TO BE REMOVED
EXISTING POWER POLE		
EXISTING MAILBOX		
EXISTING SIGN		
EXISTING FENCE LINE		
EXISTING WALL		
EXISTING STORM DRAIN		



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **COAL AVENUE STORM DRAIN REHABILITATION PROJECT**
GENERAL NOTES & LEGEND

Design Review Committee	City Engineer Approval	No. / Day / Yr.	No. / Day / Yr.
City Project No. 452291		Zone Map No. K-15,L-15	Sheet 2 Of 29



REMARKS	BY	DATE	DATE	DATE
DESIGN				
REVISIONS				
DESIGNED BY	DEM.	3/10		
DRAWN BY	DEM.	3/10		
CHECKED BY	DEM.	3/10		

AS BUILT INFORMATION	CONTRACTOR	DATE
WORKS	STAKED BY	DATE
STATION	ACCEPTANCE BY	DATE
FIELD	FIELD LOCATION BY	DATE
NO.	NO.	DATE

BENCH MARKS	CONTRACTOR	DATE
ACS STATION	DISK, STAMPED	DATE
NO.	NO.	DATE

SURVEY INFORMATION	FIELD NOTES	DATE
NO.	NO.	DATE

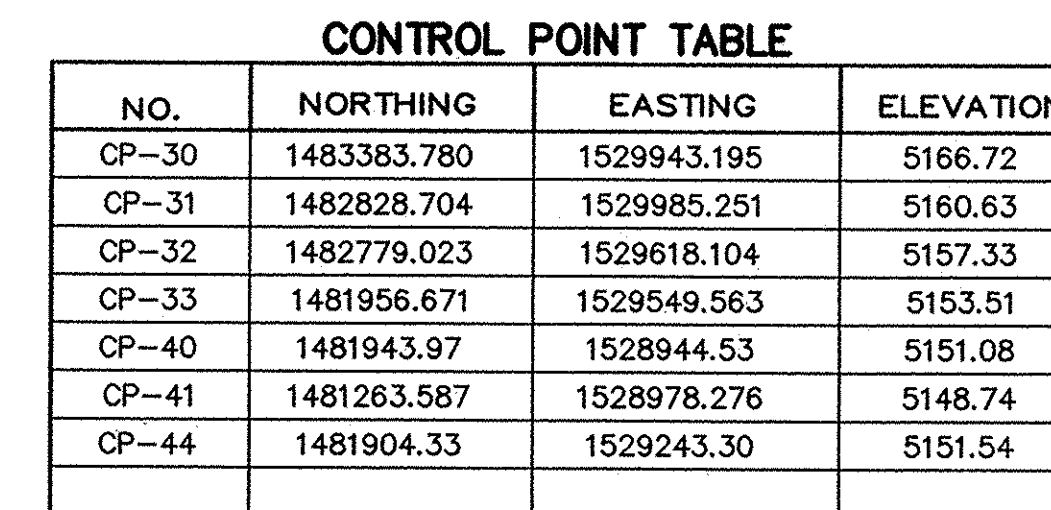
ENGINEERS SEAL	DATE
NO.	DATE

REMARKS	BY	DATE
DESIGN		
REVISIONS		
DESIGNED BY	DEM.	3/10
DRAWN BY	DEM.	3/10
CHECKED BY	DEM.	3/10

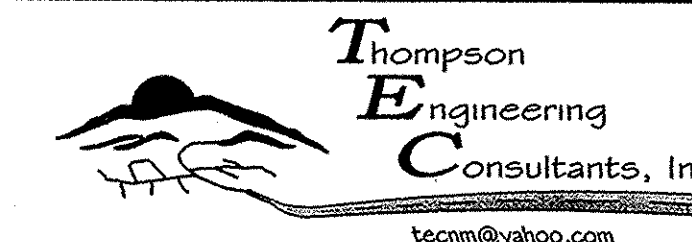
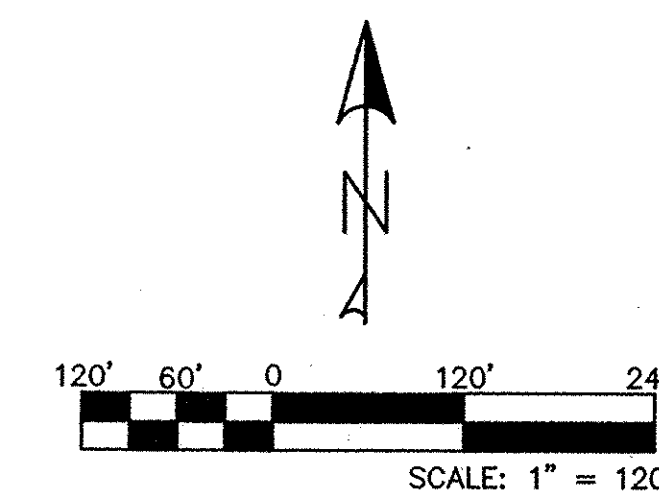
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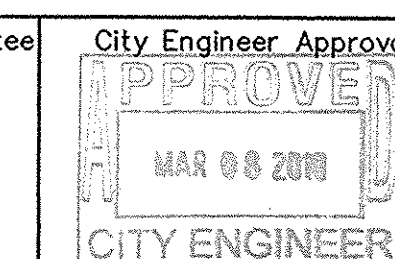
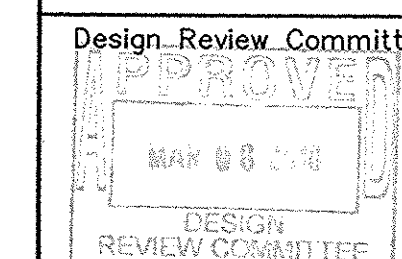
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CP-31	1482828.704	1529985.251	5160.63
CP-32	1482779.023	1529618.104	5157.33
CP-33	1481956.671	1529549.563	5153.51
CP-40	1481943.97	1528944.53	5151.08
CP-41	1481263.587	1528978.276	5148.74
CP-44	1481904.33	1529243.30	5151.54



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ALBUQUERQUE, NM 87193 FAX: (505) 830-92

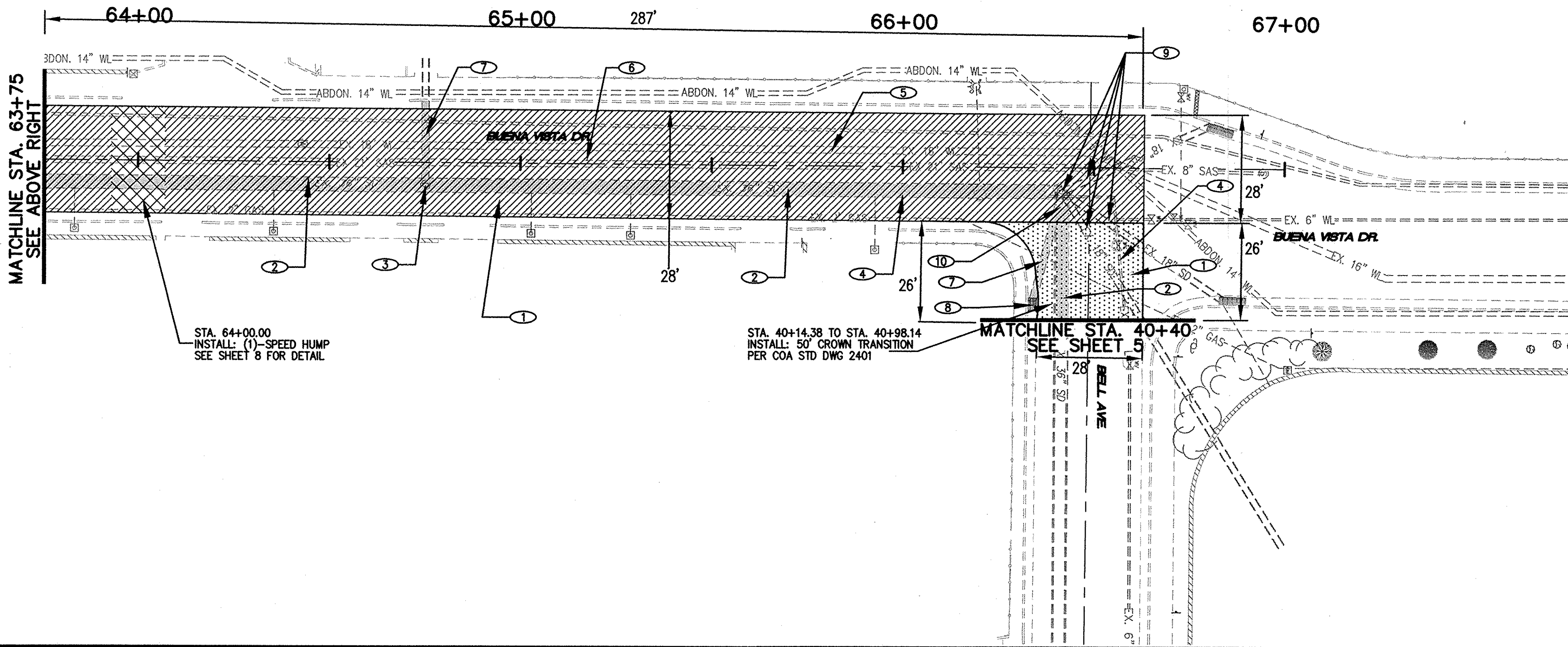
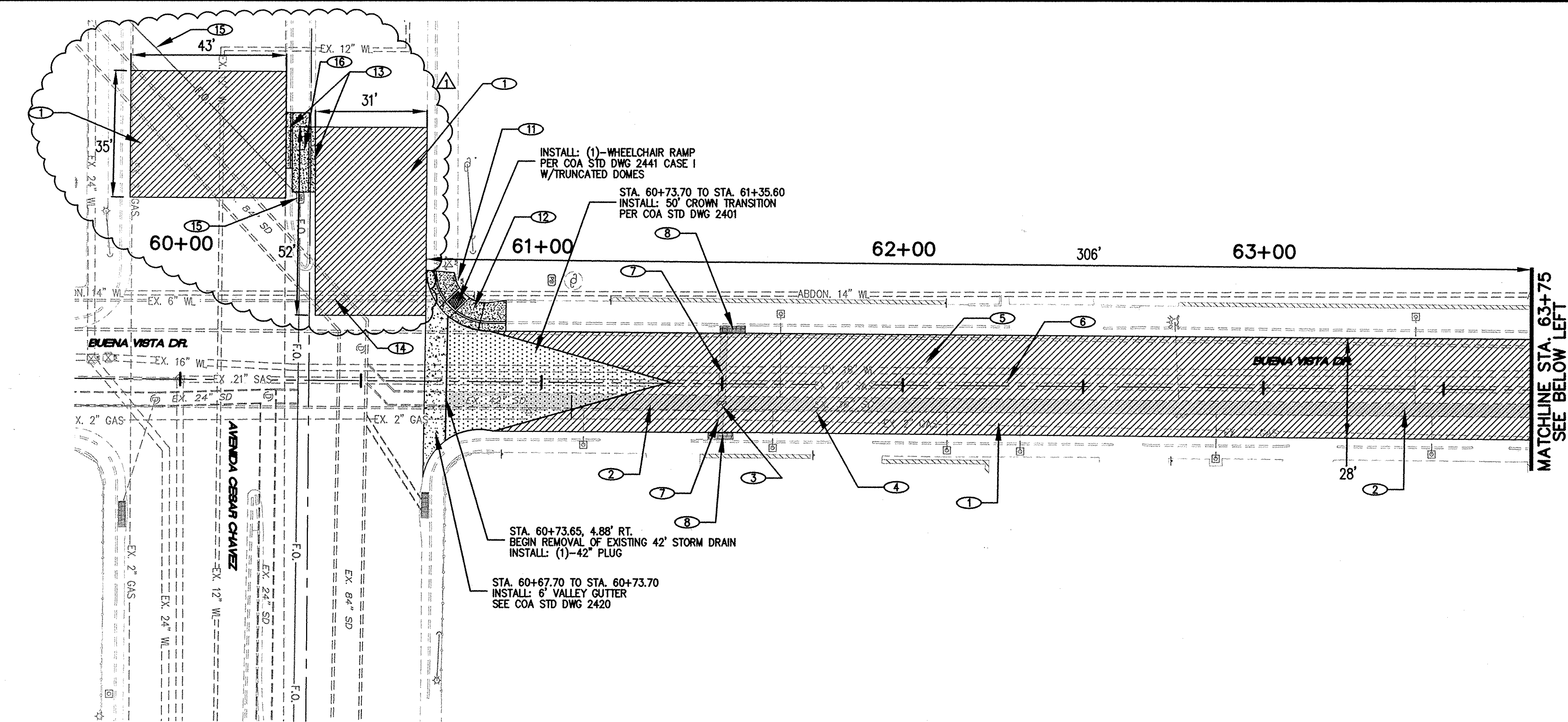
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: COAL AVENUE STORM DRAIN REHABILITATION PROJECT
OVERALL LAYOUT

[illegible]

City Project No.	452291	Zone Map No.	K-15.L-15	Sheet	3	Of	29
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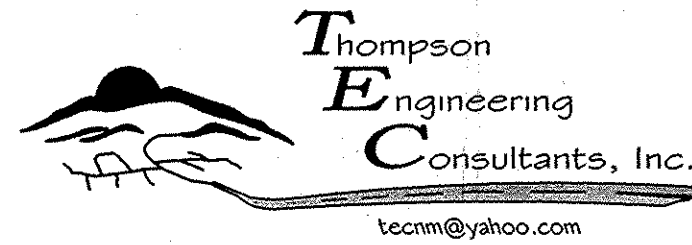
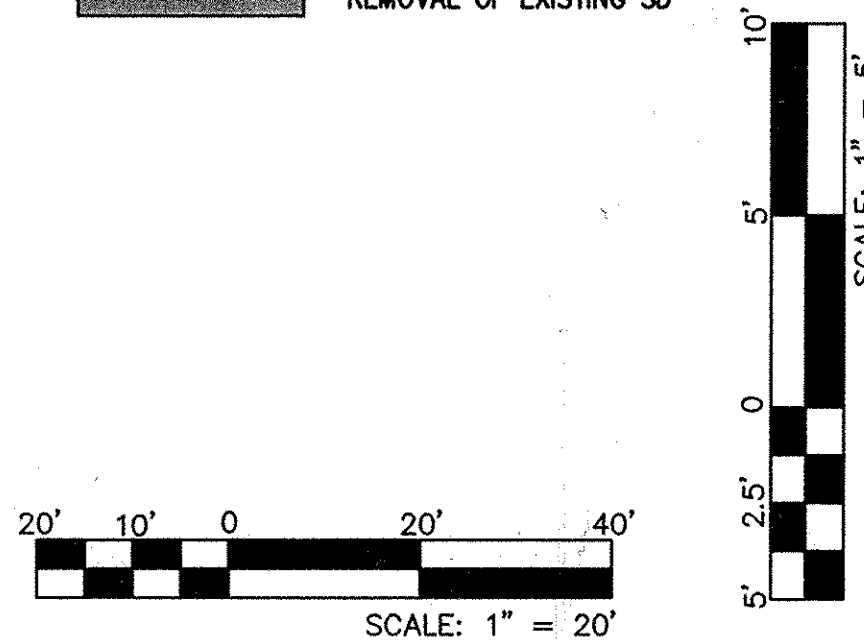
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KEYED NOTES:

- 1 REMOVE & DISPOSE EXISTING PAVEMENT. PLACE PAVEMENT PER COA STD DWG 2485 SEE SHEET 8 FOR PAVEMENT SECTION
- 2 REMOVE AND DISPOSE 42" & 36" RCP STORM DRAIN
- 3 REMOVE AND DISPOSE EXISTING STORM DRAIN MANHOLE
- 4 REMOVE AND RELOCATE EXISTING 6" WATER LINE SEE SHEETS 20-23
- 5 PROTECT EXISTING 16" WATER LINE
- 6 PROTECT EXISTING 21" SAS LINE
- 7 REMOVE AND DISPOSE EXISTING 18" RCP STORM DRAIN
- 8 REMOVE AND DISPOSE EXISTING STORM DRAIN INLET
- 9 PROTECT EXISTING SD MANHOLE & 18" RCP STORM DRAINS
- 10 PLUG EXISTING 36" RCP STORM DRAIN & 18" RCP STORM DRAIN
- 11 ADJUST EXISTING VALVE BOX TO GRADE
- 12 REMOVE AND DISPOSE EXISTING WHEELCHAIR RAMP
- 13 REMOVE AND DISPOSE MEDIAN CURB & GUTTER PER COA STD DWG 2415B
- 14 REMOVE AND DISPOSE 84" RCP STORM DRAIN
- 15 PROTECT EXISTING FIBER OPTIC LINE AND PULL BOX
- 16 REMOVE AND DISPOSE CONCRETE MEDIAN PAVEMENT. INSTALL CONCRETE MEDIAN PAVEMENT.

- PROPOSED CONCRETE
- REMOVE AND REPLACE ARTERIAL PAVEMENT SEE PAVEMENT SECTION SHEET 8
- PROPOSED SPEED HUMP SEE SPEED HUMP DETAIL SHEET 8
- CROWN TRANSITION SEE COA STD DWG 2401
- REMOVAL OF EXISTING SD



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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

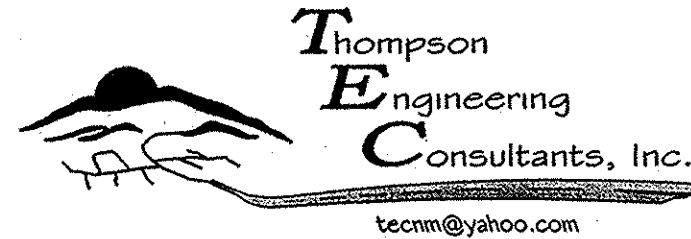
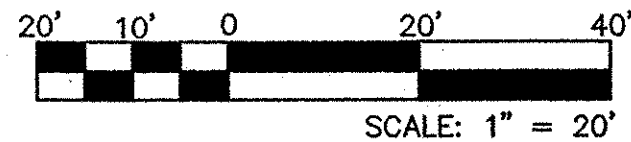
TITLE: COAL AVENUE STORM DRAIN REHABILITATION PROJECT
REMOVAL AND PAVING SHEET BUENA VISTA DRIVE

Design Review Committee	City Engineer Approval	No. / Day / Yr.	No. / Day / Yr.
City Project No.	Zone Map No.	Sheet	Of
452291	K-15,L-15	4	29

KEYED NOTES:

- 1 REMOVE & DISPOSE EXISTING PAVEMENT. PLACE PAVEMENT PER COA STD DWG 2465 SEE SHEET 8 FOR PAVEMENT SECTION
- 2 REMOVE AND DISPOSE 42" & 36" RCP STORM DRAIN
- 3 REMOVE AND DISPOSE EXISTING STORM DRAIN MANHOLE
- 4 REMOVE AND RELOCATE EXISTING 6" WATERLINE SEE SHEETS 20-23
- 5 REMOVE AND DISPOSE EXISTING STORM INLET
- 6 REMOVE AND DISPOSE EXISTING 18" RCP STORM DRAIN
- 7 REMOVE AND DISPOSE EXISTING WHEELCHAIR RAMP AND CURB & GUTTER.
- 8 REMOVE AND DISPOSE EXISTING 24" RCP STORM DRAIN
- 9 REMOVE AND DISPOSE EXISTING CONCRETE PAVERS
- 10 REMOVE AND DISPOSE 14 LF EXISTING CURB & GUTTER
- 11 INSTALL 10 LF OF STANDARD CURB & GUTTER PER COA STD DWG 2415A
- 12 REMOVE AND DISPOSE EXISTING 72" RCP STORM DRAIN

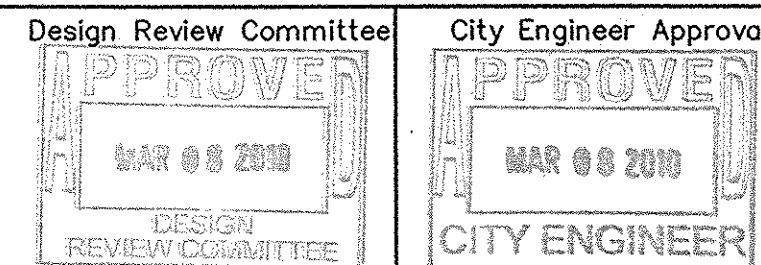
- PROPOSED CONCRETE
- REMOVE AND REPLACE ARTERIAL PAVEMENT SEE PAVEMENT SECTION SHEET 8
- CROWN TRANSITION SEE COA STD DWG 2401
- REMOVAL OF EXISTING SD



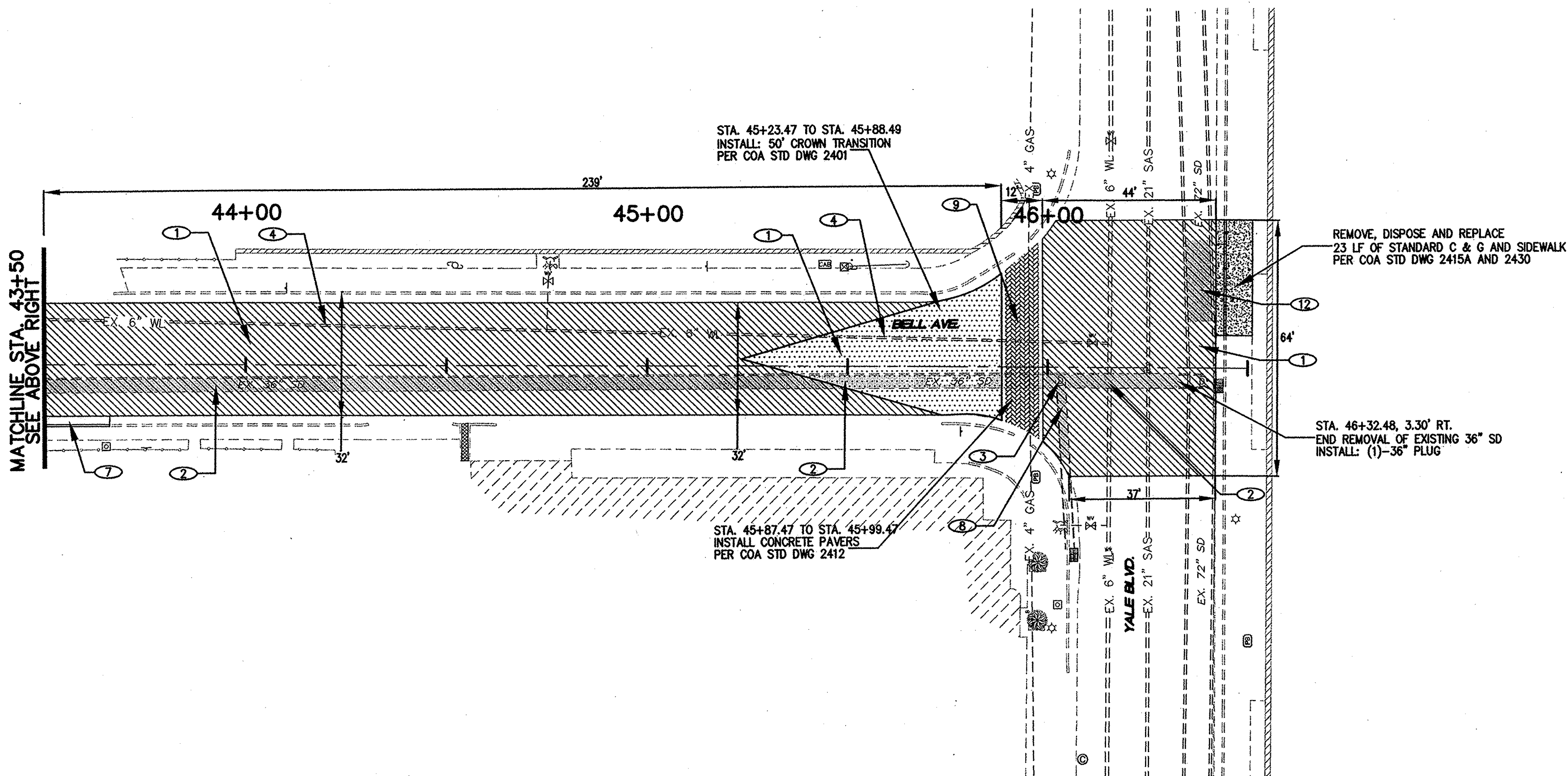
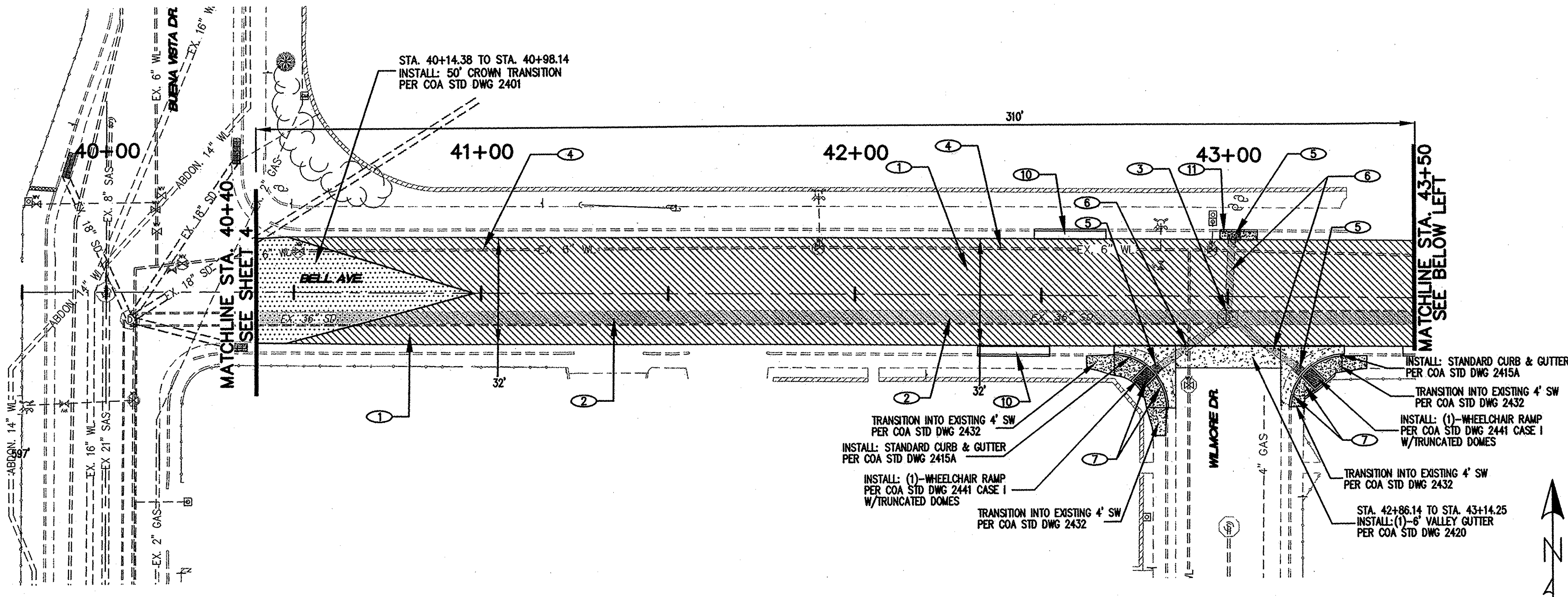
P.O. BOX 65760 ALBUQUERQUE, NM 87193
PHONE: (505) 271-2199 FAX: (505) 630-9246

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: COAL AVENUE STORM DRAIN REHABILITATION PROJECT
REMOVAL AND PAVING SHEET BELL AVENUE



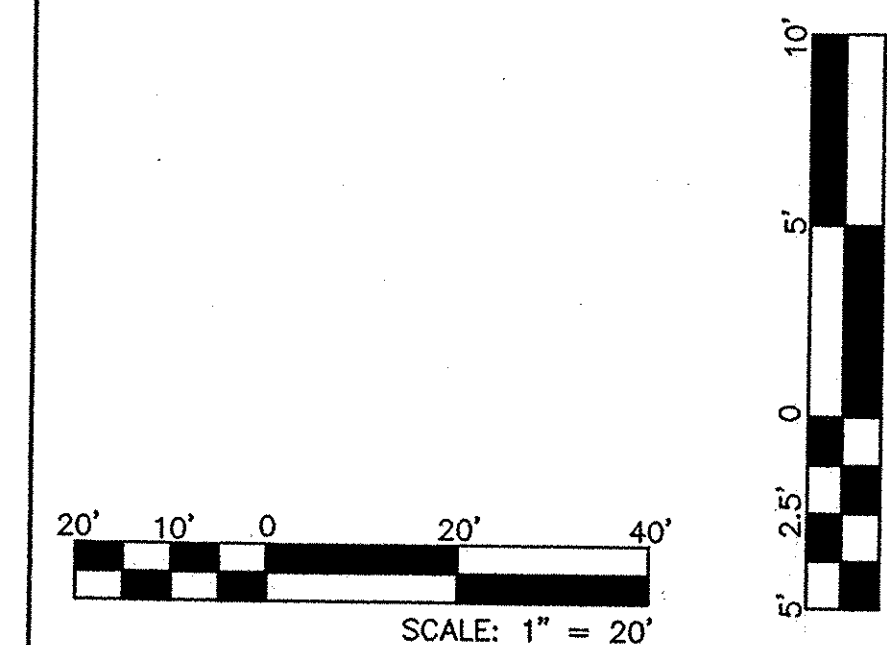
City Project No. 452291 Zone Map No. K-15,L-15 Sheet 5 Of 29



KEYED NOTES:

- 1 REMOVE & DISPOSE EXISTING PAVEMENT. PLACE PAVEMENT PER COA STD DWG 2465 SEE SHEET 8 FOR PAVEMENT SECTION
- 2 REMOVE AND DISPOSE 72" RCP STORM DRAIN
- 3 REMOVE AND DISPOSE EXISTING STORM DRAIN MANHOLE
- 4 REMOVE AND DISPOSE EXISTING STORM INLET
- 5 REMOVE AND DISPOSE EXISTING WHEELCHAIR RAMP & CONCRETE VALLEY GUTTER
- 6 REMOVE AND DISPOSE EXISTING CATTLE GUARD INLET
- 7 REMOVE AND DISPOSE EXISTING 48" STORM DRAIN
- 8 ADJUST EXISTING PULL BOX TO GRADE
- 9 NO CROWN SECTION PAVEMENT
- 10 REMOVE AND DISPOSE EXISTING 60" STORM DRAIN
- 11 REMOVE AND REPLACE CONCRETE DRIVEPAD PER COA STD DWG 2425
- 12 REMOVE AND REPLACE EXISTING STANDARD CURB & GUTTER PER COA STD DWG 2415A

- PROPOSED CONCRETE
- REMOVE AND REPLACE ARTERIAL PAVEMENT SEE PAVEMENT SECTION SHEET 8
- CROWN TRANSITION SEE COA STD DWG 2401
- REMOVAL OF EXISTING SD

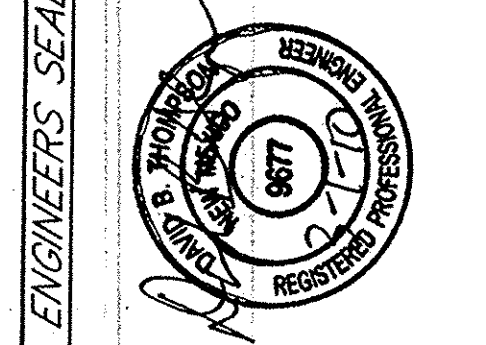


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 tecnm@yahoo.com
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 PHONE: (505) 271-2199 FAX: (505) 630-9246

CITY OF ALBUQUERQUE
 DEPARTMENT OF MUNICIPAL DEVELOPMENT
 ENGINEERING DIVISION

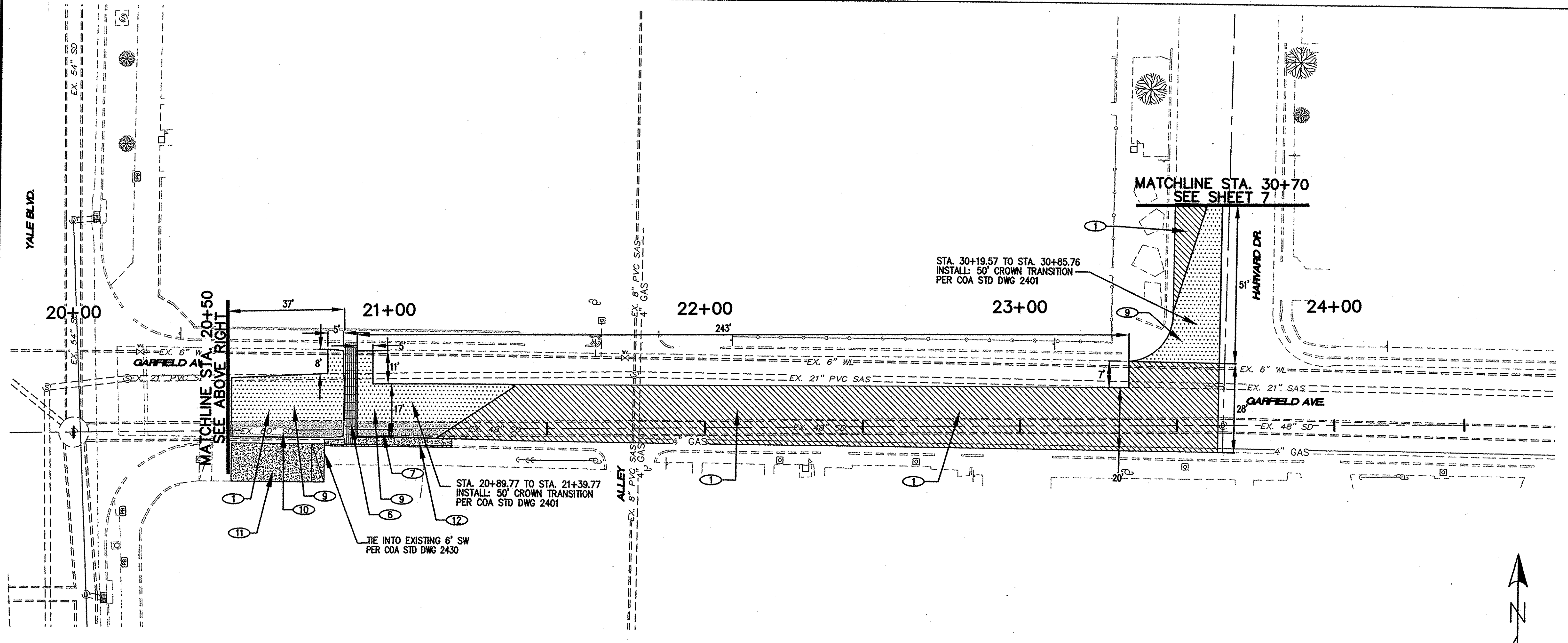
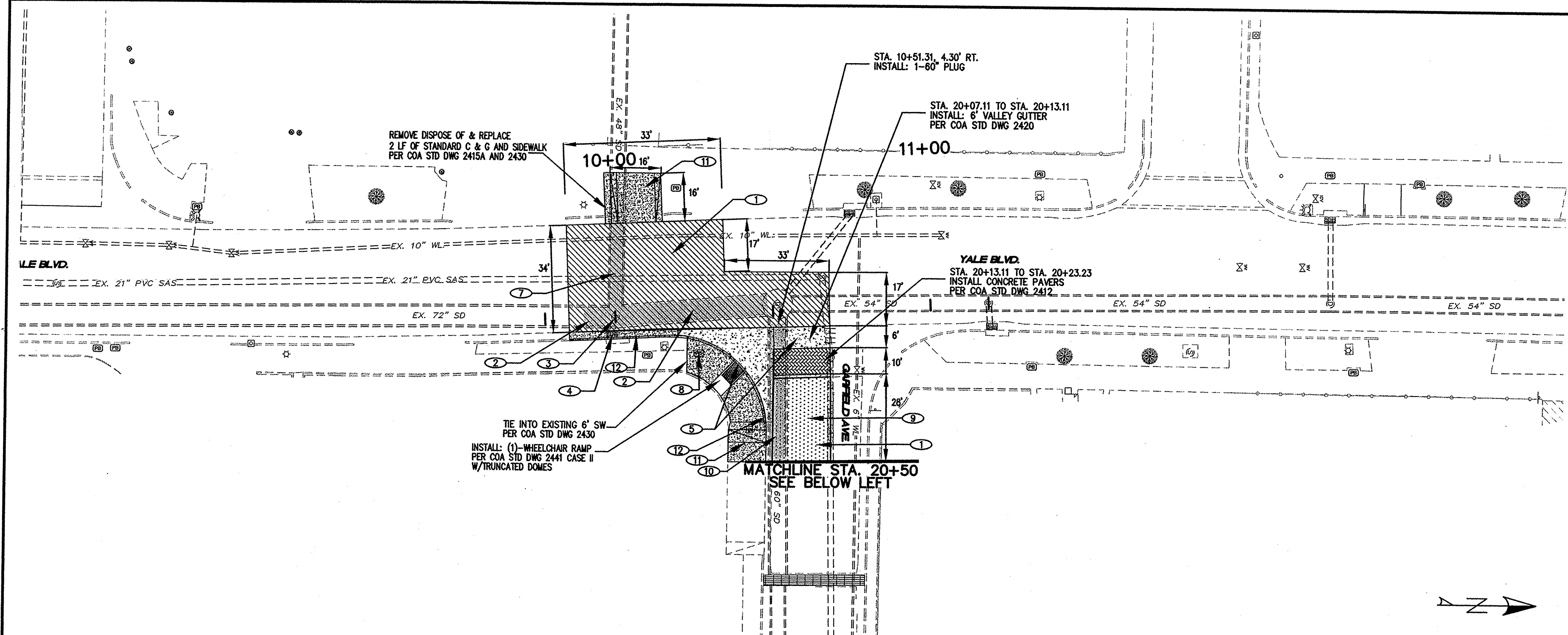
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 YALE BLVD. AND GARFIELD AVENUE**

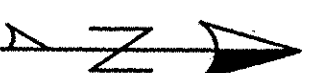
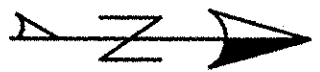
Design Review Committee APPROVED MAR 08 2010 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED MAR 08 2010 CITY ENGINEER	No. / Day / Yr.	No. / Day / Yr.
City Project No. 452291	Zone Map No. K-15,L-15	Sheet 6	Of 29



NO.	DATE	REMARKS	BY
DESIGNED BY	DATE	DESIGN	
DRAWN BY	DATE	REVISIONS	
CHECKED BY	DATE		

SURVEY INFORMATION		FIELD NOTES		BENCH MARKS		AS-BUILT INFORMATION	
NO.	BY	DATE	DATE	NO.	DATE	CONTRACTOR	DATE
						DISK, STAMPED "20-L16 1984" SET FLUSH IN THE TOP OF CURB AT THE MEDIAN	DATE
						NOSE, LOCATED 2.5 MI. SE OF DOWNTOWN ALBUQUERQUE, AT THE INTERSECTION OF GIRARD BLVD. AND BURTON AVE. SE	DATE
						ALBUQUERQUE, NM	DATE
						NAVD 1988	DATE
						ELEVATION = 5210.836 FT	





CROWN TRANSITION
SEE COA STD DWG 2401

20' 10' 0 20' 40'

SCALE: 1" = 20'

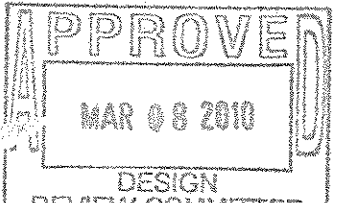
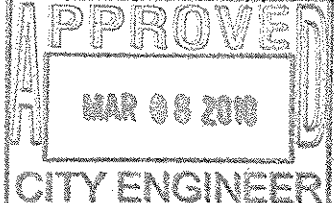
P.O. BOX 65760 PHONE: (505) 271-2199
ALBUQUERQUE, NM 87193 FAX: (505) 830-9248

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: COAL AVENUE STORM DRAIN REHABILITATION PROJECT
REMOVAL AND PAVING SHEET HARVARD DRIVE

City Project No. **452291** Zone Map No. **K-15,L-15** Sheet **7** Of **29**



CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION													
TITLE: COAL AVENUE STORM DRAIN REHABILITATION PROJECT TYPICAL STREET SECTIONS AND PAVEMENT SECTIONS													
Design Review Committee  APPROVED MAR 08 2010 DESIGN REVIEW COMMITTEE	City Engineer Approval  APPROVED MAR 08 2010 CITY ENGINEER	Last Design Update <table border="1"> <tr> <th>No. / Day / Yr.</th> <th>No. / Day / Yr.</th> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	No. / Day / Yr.	No. / Day / Yr.									City Project No. 452291
No. / Day / Yr.	No. / Day / Yr.												
Zone Map No. K-15,L-15		Sheet 8 Of 29											

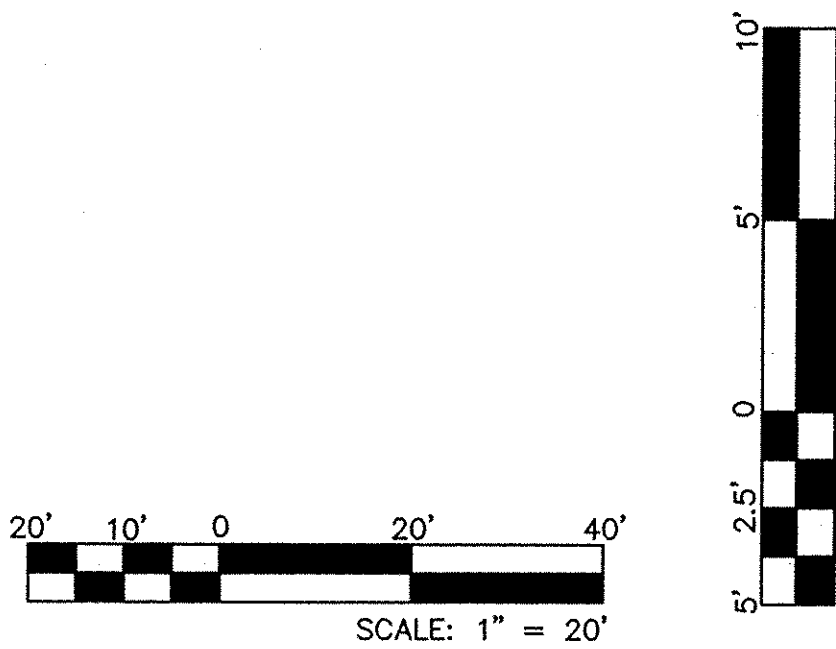
KEYED NOTES:

- 1 PROTECT EXISTING 8" GAS LINE
- 2 PROTECT EXISTING 16" WATER LINE
- 3 REMOVE AND DISPOSE 45 LF ABANDONED 14" WL
- 4 PROTECT EXISTING FIBER OPTIC PULL BOX AND LINE
- 5 PROTECT EXISTING 12" WATER REUSE LINE
- 6 PROTECT EXISTING 2" GAS LINE
- 7 PROTECT EXISTING 2" IRRIGATION LINE

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



CONSTRUCTION STAKING		
NO.	NORTHING	EASTING
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CS2	1481325.381	1528938.396
CS3	1481339.721	1528931.359

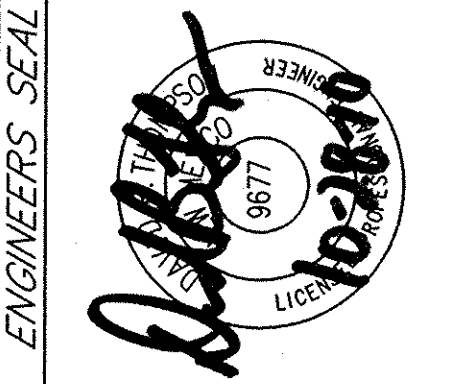
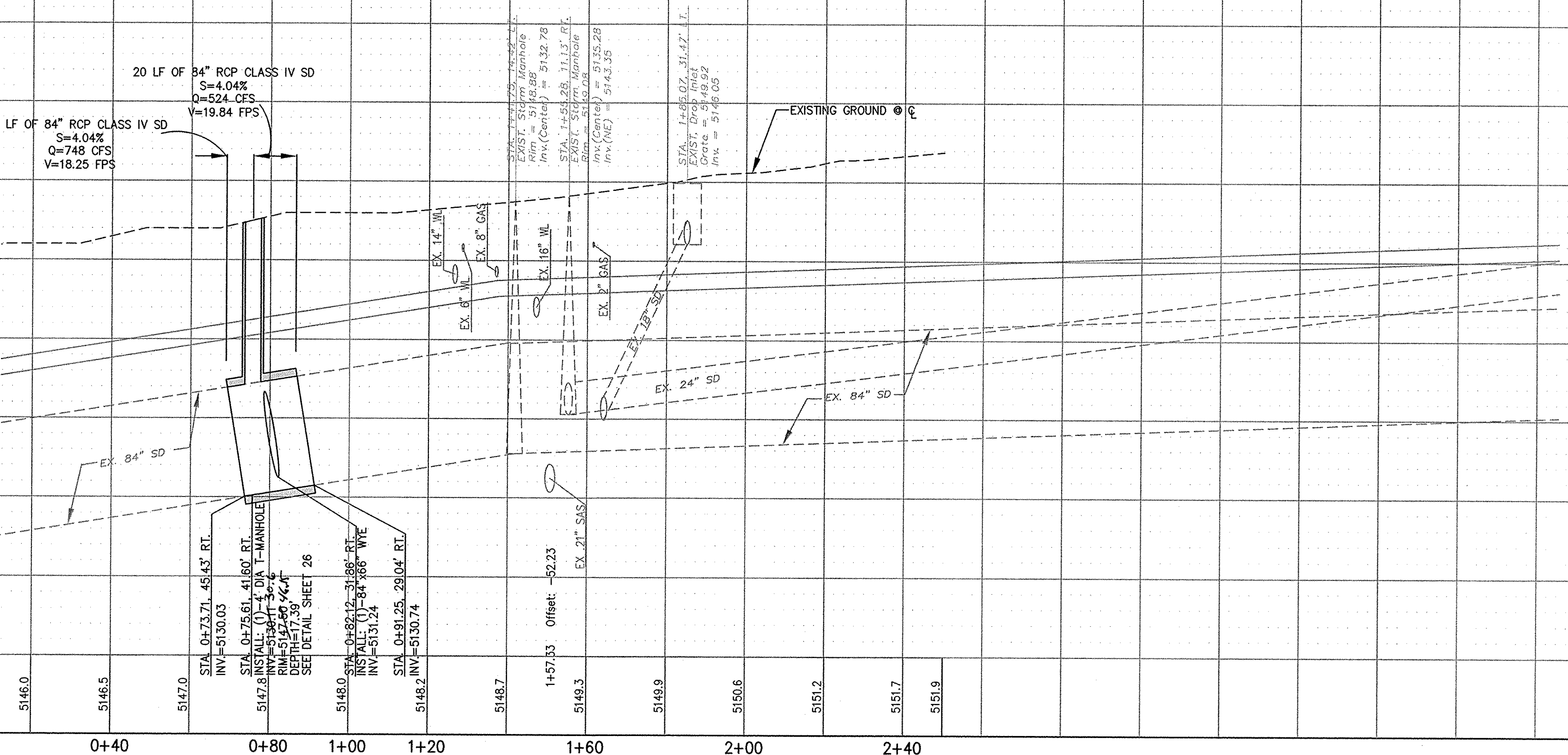
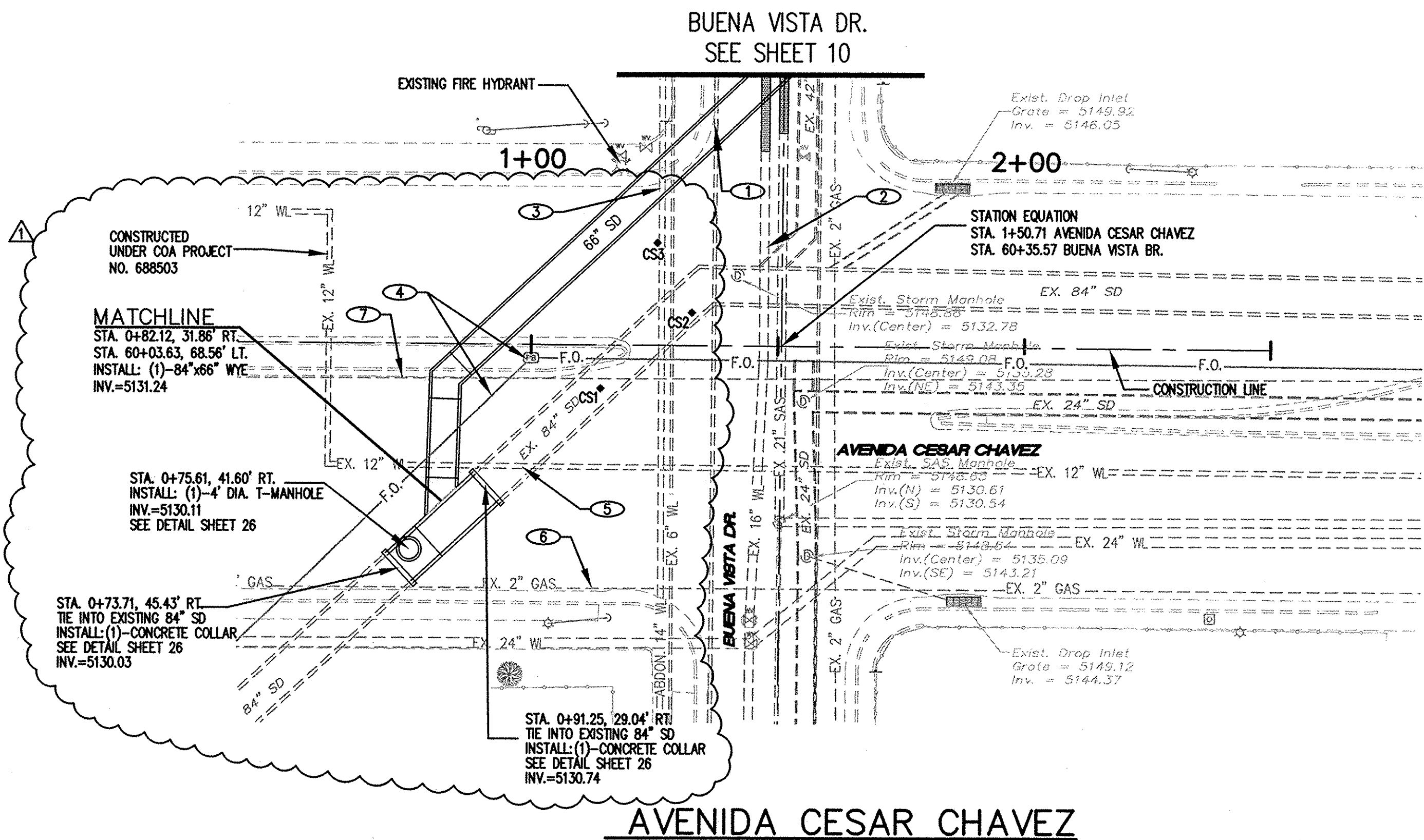


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tccrm@yahoo.com

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: COAL AVENUE STORM DRAIN REHABILITATION PROJECT
AVENIDA CESAR CHAVEZ PLAN AND PROFILE

Design Review Committee	City Engineer Approval	No. / Day / Yr.	No. / Day / Yr.



REVISIONS		DESIGN	
NO.	DATE	REMARKS	BY
1	10/28/10	REVISE LOCATION OF 84 inch WYE & 66 inch RCP	DBT

DESIGNED BY D.E.M. DATE 3/10
DRAWN BY D.E.M. DATE 3/10
CHECKED BY D.B.T. DATE 3/10

KEYED NOTES:

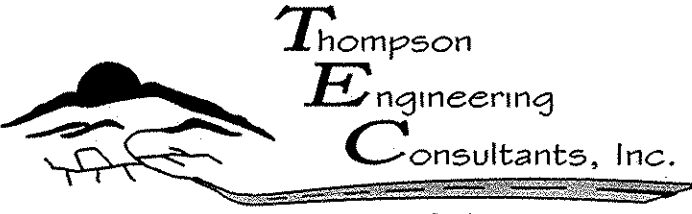
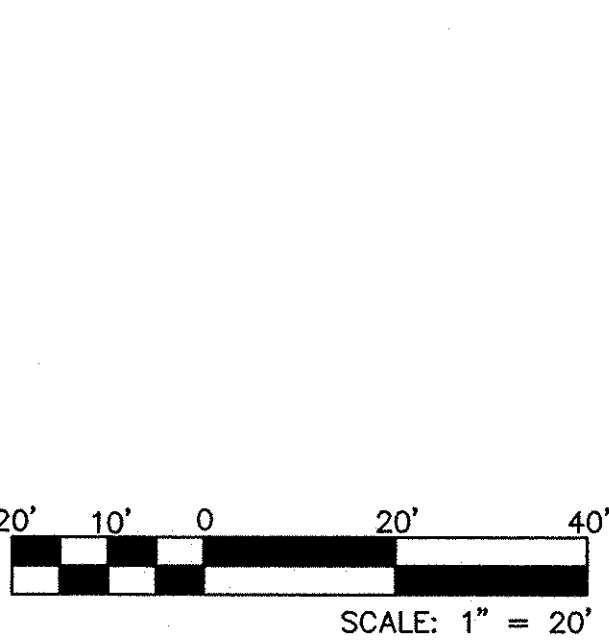
- 1 PROTECT EXISTING 21" SAS LINE
- 2 REMOVE AND REPLACE 6" WATER LINE SEE SHEETS 20-23
- 3 EXISTING 2" GAS LINE TO BE REMOVED AND RELOCATED BY GAS CO. OF NEW MEXICO
- 4 PROTECT EXISTING 16" WATERLINE
- 5 PROTECT EXISTING 8" GAS LINE
- 6 PLACE LEANFILL BETWEEN PROPOSED 66" STORM DRAIN AND EXISTING 21" SAS EXTEND 10 LF NORTH AND SOUTH OF 66" STORM DRAIN AT CROSSING (40 LF TOTAL)
- 7 PLACE LEANFILL BETWEEN PROPOSED 66" STORM DRAIN AND EXISTING 16" WL EXTEND 10 LF NORTH AND SOUTH OF 66" STORM DRAIN AT CROSSING (40 LF TOTAL)

NOTE:
ALL STORM INLET GRATES TO BE CONSTRUCTED AND INSTALLED PER COA STD DWG 2220

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

CONSTRUCTION STAKING

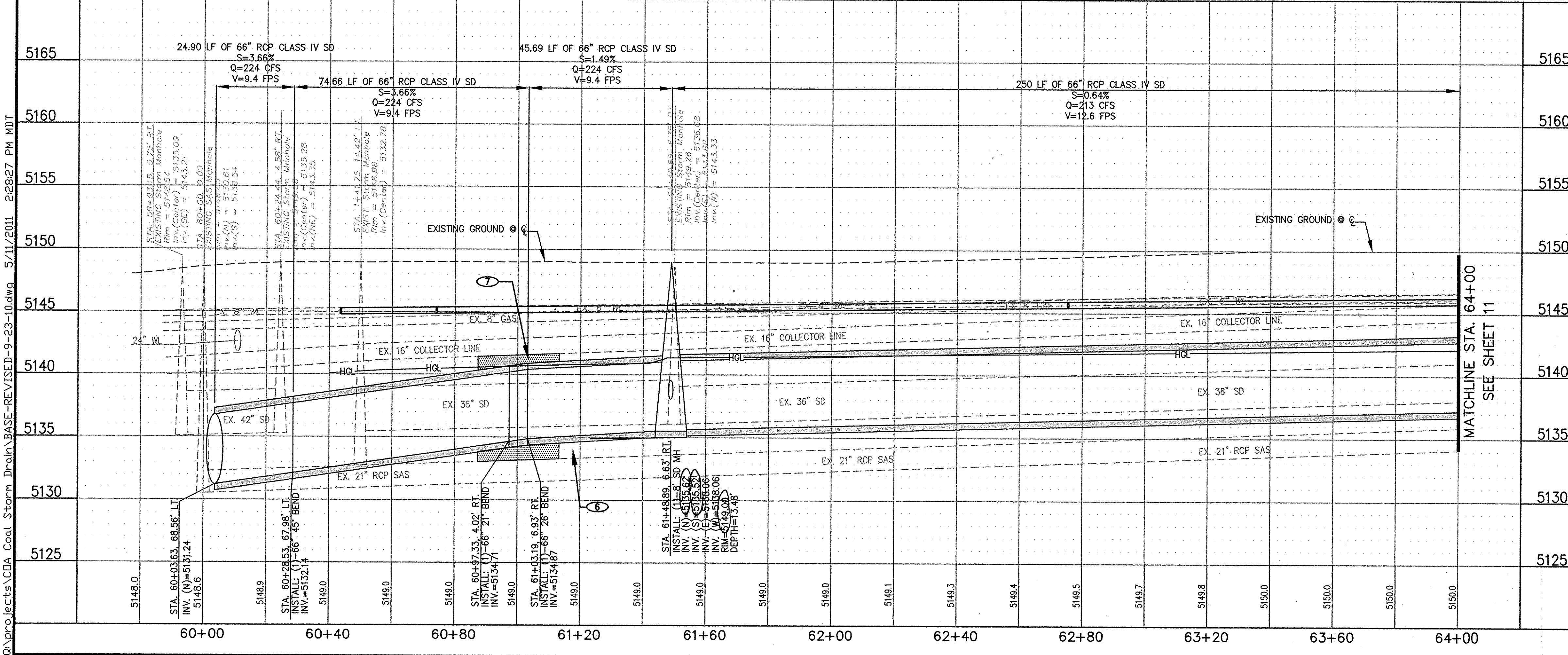
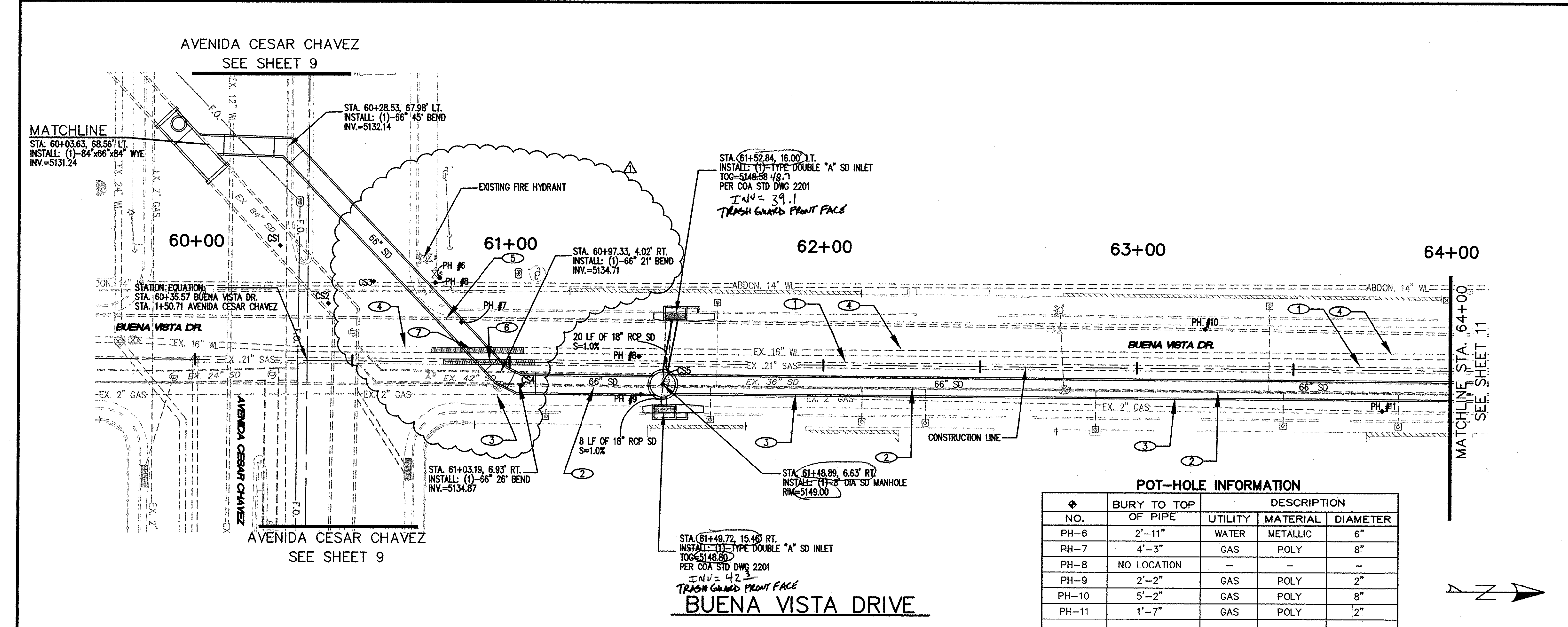
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CS4	1481406.073	1528963.762
CS5	1481431.912	1528963.928



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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION
TITLE: COAL AVENUE STORM DRAIN REHABILITATION PROJECT
BUENA VISTA DRIVE STORM DRAIN PLAN AND PROFILE
AVENIDA CESAR CHAVEZ TO STA. 64+00

Design Review Committee	City Engineer Approval	City Project No.	452291	Zone Map No.	K-15,L-15	Sheet	10	Of	29
Last Design Update									



Q:\projects\COA Coal Storm Drain\BASE-REVISED-9-23-10.dwg 5/11/2011 2:28:27 PM MDT

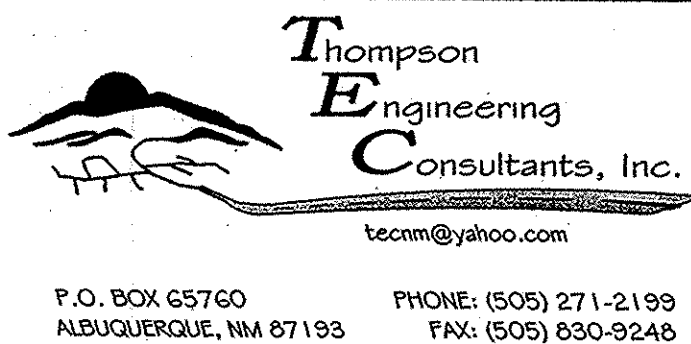
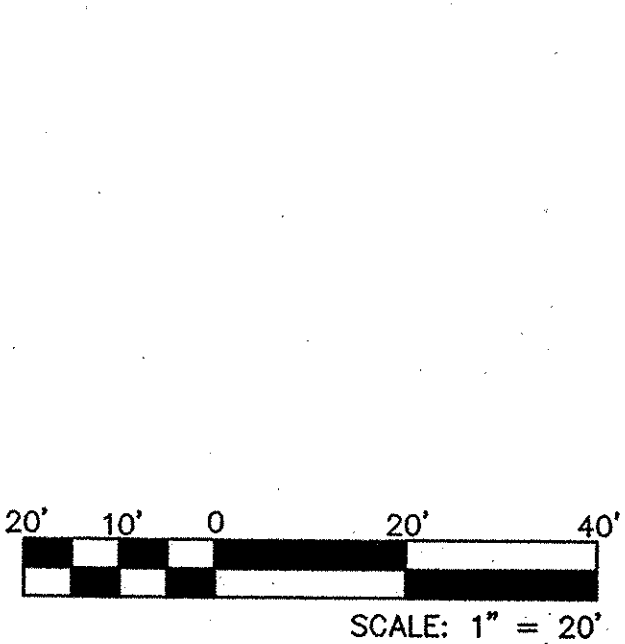
KEYED NOTES:

- 1 PROTECT EXISTING 21" SAS LINE
- 2 REMOVE AND RELOCATE EXISTING 6" WATER LINE SEE SHEETS 20-23
- 3 EXISTING 2" GAS LINE TO BE REMOVED AND RELOCATED BY GAS CO. OF NEW MEXICO
- 4 PROTECT EXISTING 16" WATER LINE

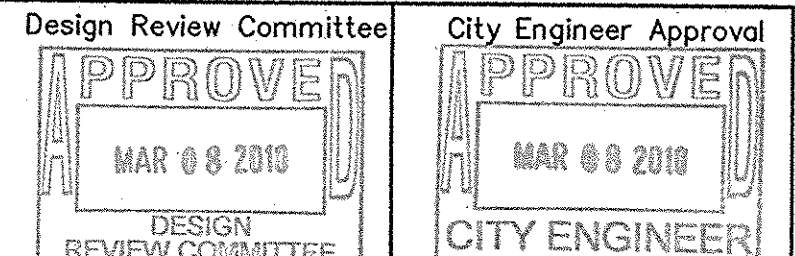
Certification
THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICALLY AND HORIZONTALLY) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CONSTRUCTION STAKING

NO.	NORTHING	EASTING
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CS8	1481923.453	1528983.080

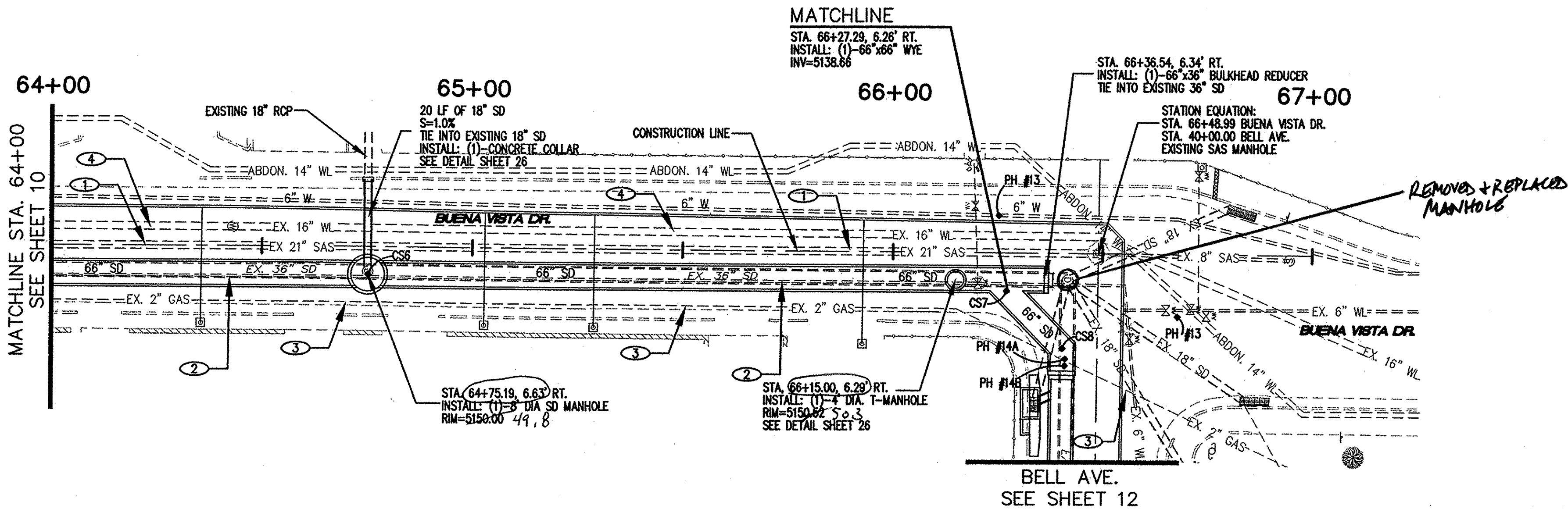


CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION
TITLE: COAL AVENUE STORM DRAIN REHABILITATION PROJECT
BUENA VISTA DRIVE STORM DRAIN PLAN AND PROFILE
STA. 64+00 TO BELL AVE.



NO.	DATE	REVISIONS

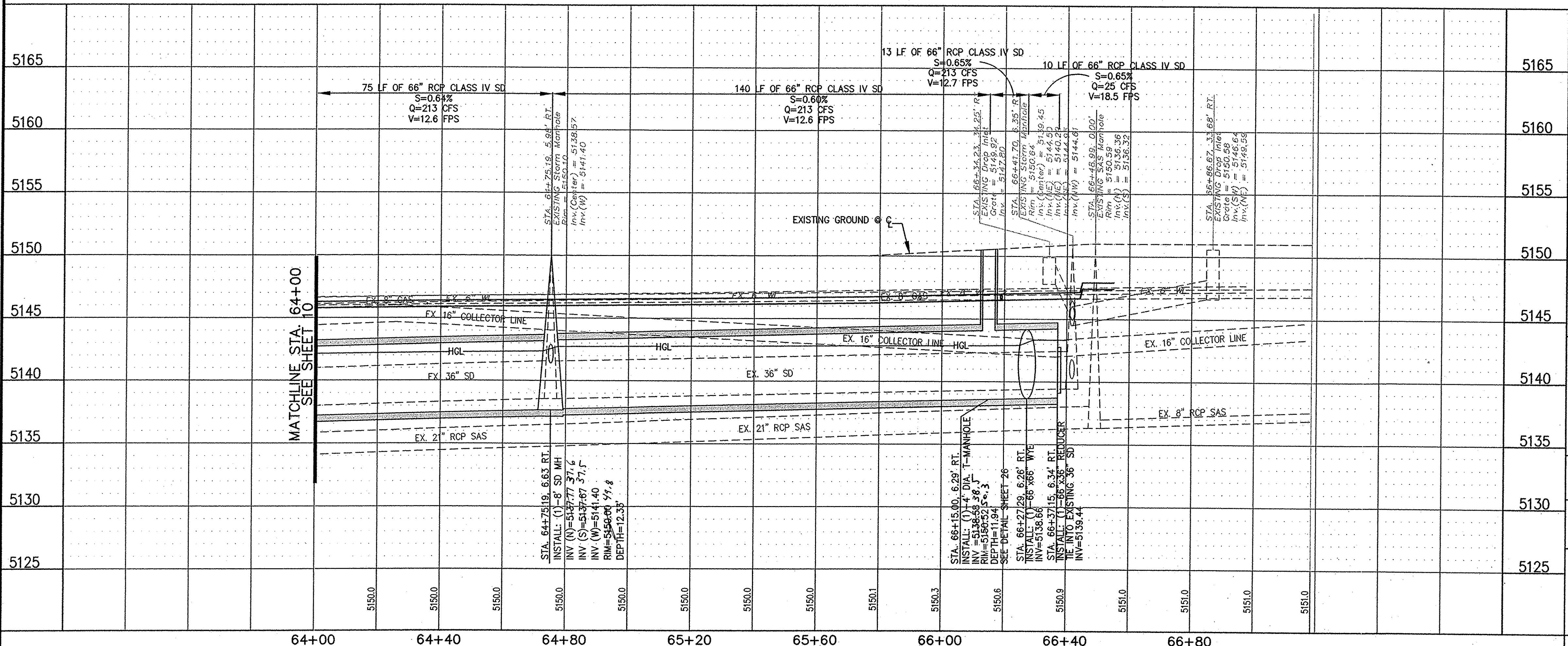
City Project No. 452291 Zone Map No. K-15,L-15 Sheet 11 of 29



POT-HOLE INFORMATION

NO.	BURY TO TOP OF PIPE	UTILITY	MATERIAL	DIAMETER
PH-12	3'-5"	GAS	METALLIC	8"
PH-13	3'-6"	WATER	METALLIC	6"

BUENA VISTA DRIVE



KEYED NOTES:

- REMOVE AND REPLACE EXISTING 6" WATER LINE SEE SHEETS 20-23
- EXISTING 2" GAS LINE TO BE REMOVED AND RELOCATED BY GAS CO. OF NEW MEXICO

NOTE:

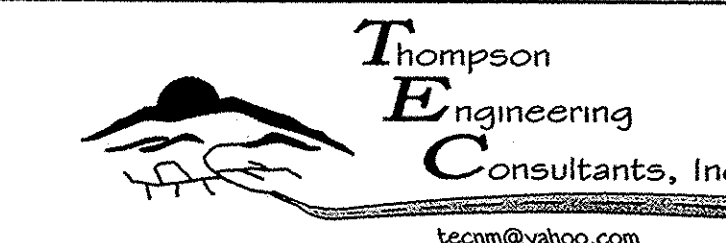
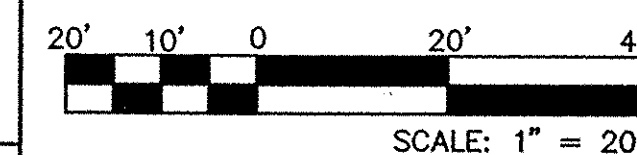
ALL STORM INLET GRATES TO BE CONSTRUCTED AND INSTALLED PER COA STD DWG 2220

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

W. J. King

CONSTRUCTION STAKING

NO.	NORTHING	EASTING
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CS8	1481923.453	1528983.080



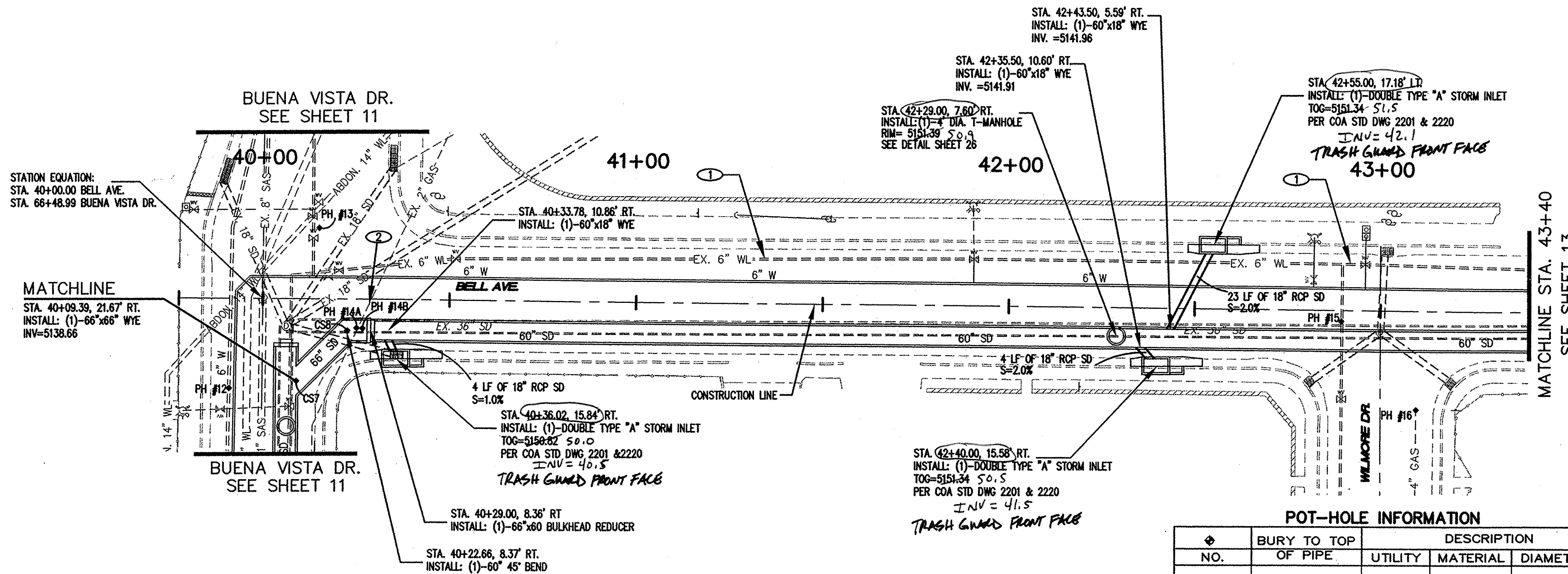
P.O. BOX 65760 ALBUQUERQUE, NM 87193
PHONE: (505) 271-2199 FAX: (505) 830-9248

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION
TITLE: COAL AVENUE STORM DRAIN REHABILITATION PROJECT
BELL AVE STORM DRAIN PLAN AND PROFILE
BUENA VISTA DR. TO STA. 43+40

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	DATE	BY
APPROVED MAR 08 2010 DESIGN REVIEW COMMITTEE	APPROVED MAR 08 2010 CITY ENGINEER		

City Project No. 452291 Zone Map No. K-15,L-15 Sheet 12 Of 29

POT-HOLE INFORMATION				
NO.	BURY TO TOP OF PIPE	UTILITY	MATERIAL	DIAMETER
PH-14A	2'-0"	GAS	METALLIC	2"
PH-14B	6'-5"	SD	CEMENT	36"
PH-15	3'-7"	WATER	METALLIC	6"
PH-16	2'-5"	GAS	METALLIC	8"



STATION EQUATION:
STA. 40+00.00 BELL AVE.
STA. 66+48.99 BUENA VISTA DR.

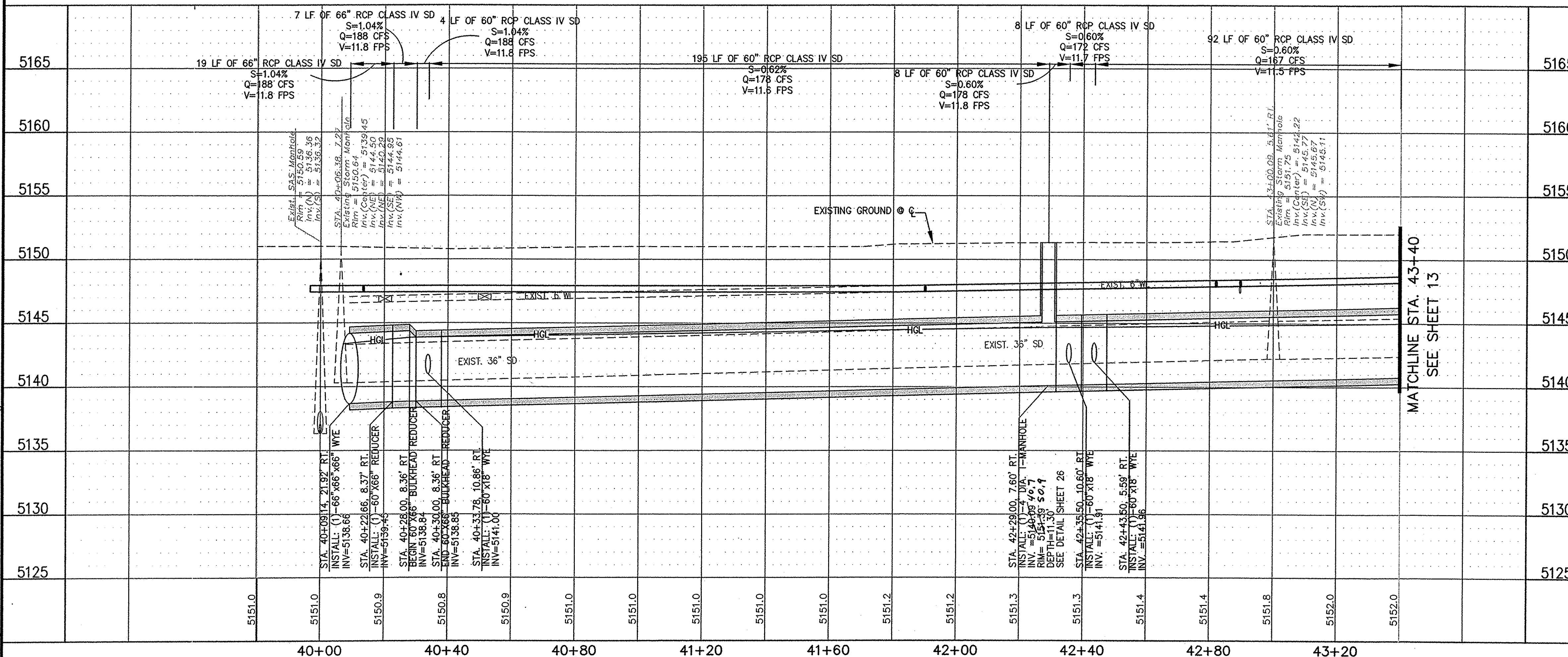
MATCHLINE
STA. 40+09.39, 21.67' RT.
INSTALL: (1)-66"x66" WYE
INV.=5138.66

BUENA VISTA DR.
SEE SHEET 11

BUENA VISTA DR.
SEE SHEET 11

BELL AVENUE

MATCHLINE STA. 43+40
SEE SHEET 13



KEYED NOTES:

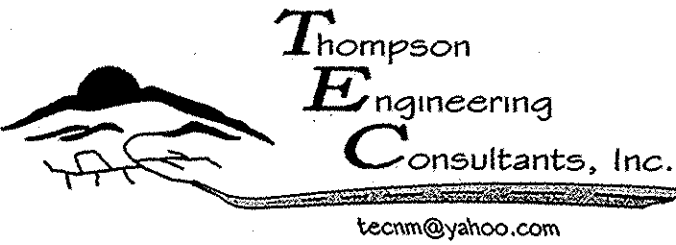
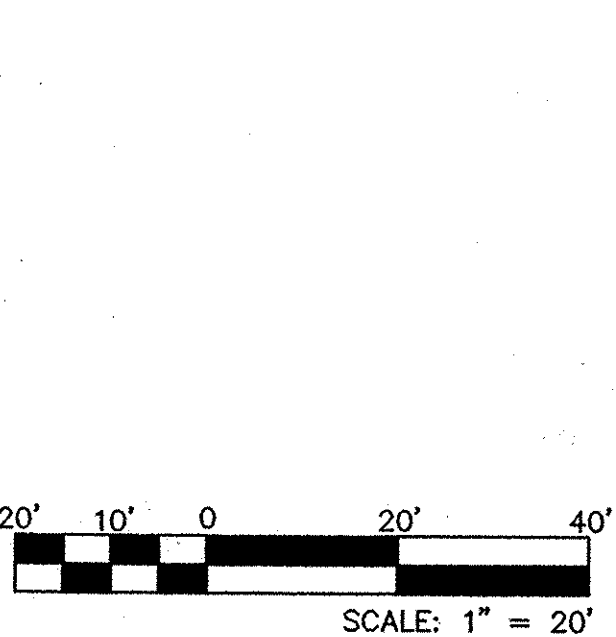
- 1 REMOVE & RELOCATE EXISTING 6" WATER LINE SEE SHEETS 20-23
- 2 PROTECT EXISTING 6" WATERLINE 6" WATER LINE SEE SHEET 23
- 3 PROTECT EXISTING 21" SANITARY SEWER LINE 6" WATER LINE SEE SHEET 23
- 4 EXISTING 4" GAS LINE TO BE REMOVED AND RELOCATED BY GAS CO. OF NEW MEXICO

NOTE:
ALL STORM INLET GRATES TO BE CONSTRUCTED AND INSTALLED PER COA STD DWG 2220

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

CONSTRUCTION STAKING

NO.	NORTHING	EASTING
CS9	1481920.103	1529563.706
CS10	1481943.746	1529591.314
CS11	1481937.387	1529598.659
CS12	1481957.380	1529598.106

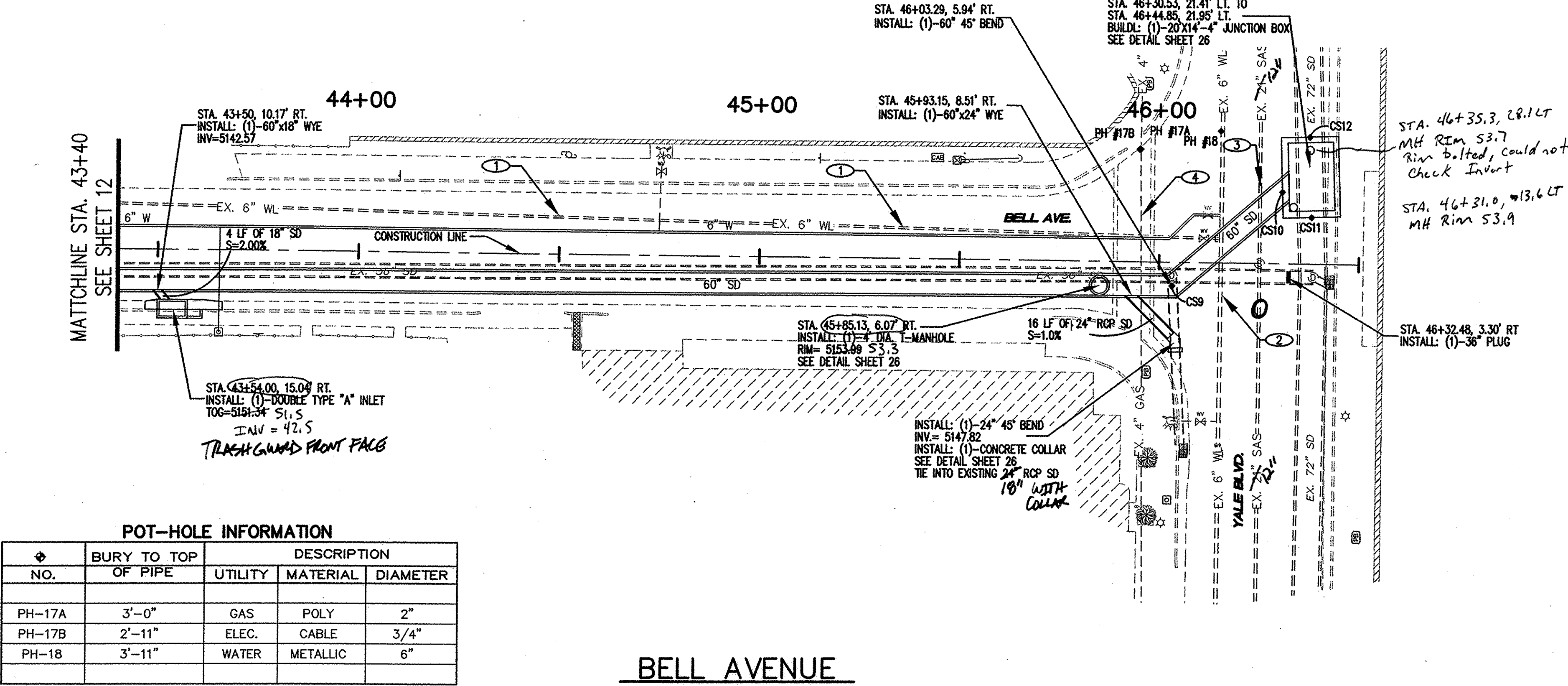


P.O. BOX 65760 ALBUQUERQUE, NM 87193 PHONE: (505) 271-2199 FAX: (505) 830-9248

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

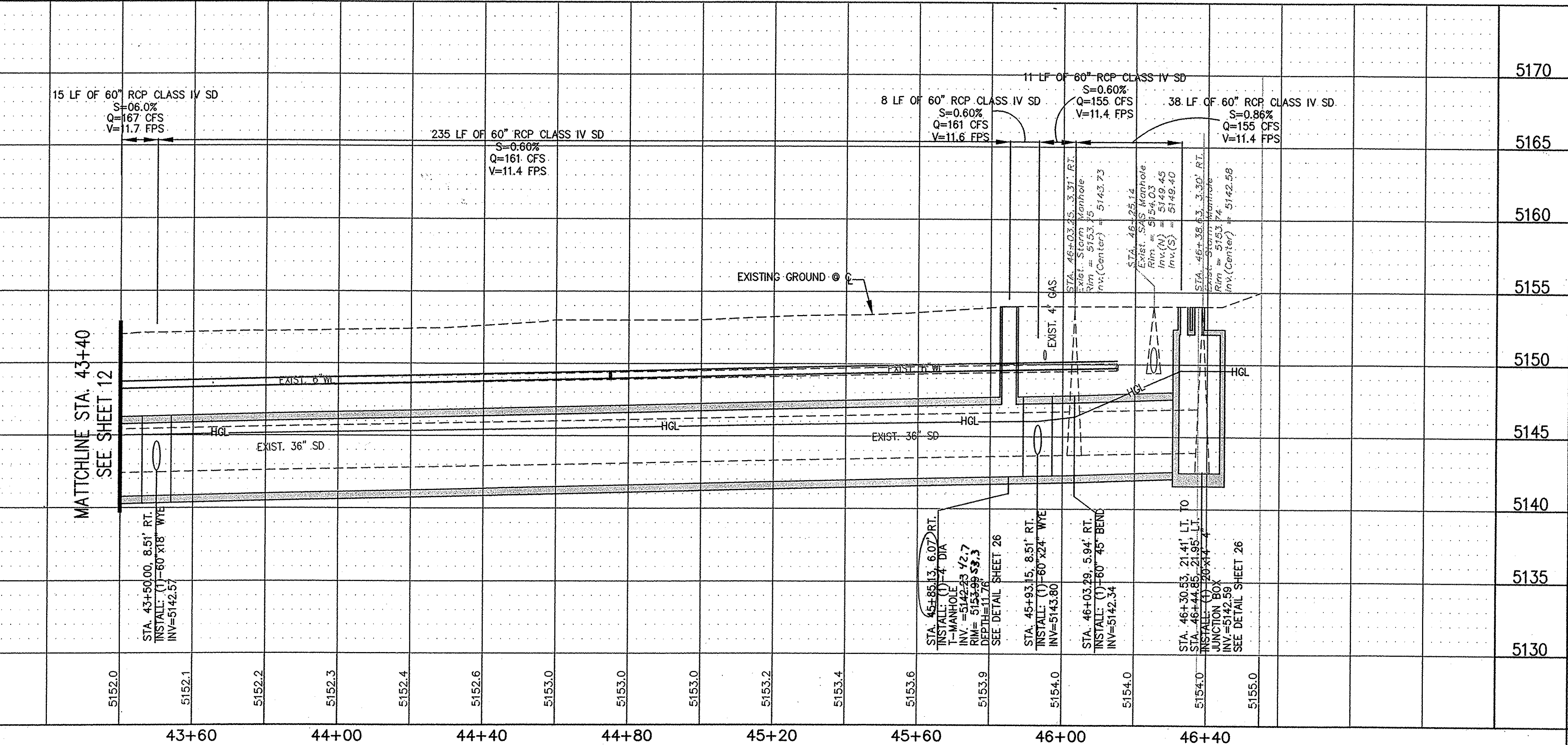
TITLE: COAL AVENUE STORM DRAIN REHABILITATION PROJECT
BELL AVE STORM DRAIN PLAN AND PROFILE
STA. 43+40 TO YALE BLVD.

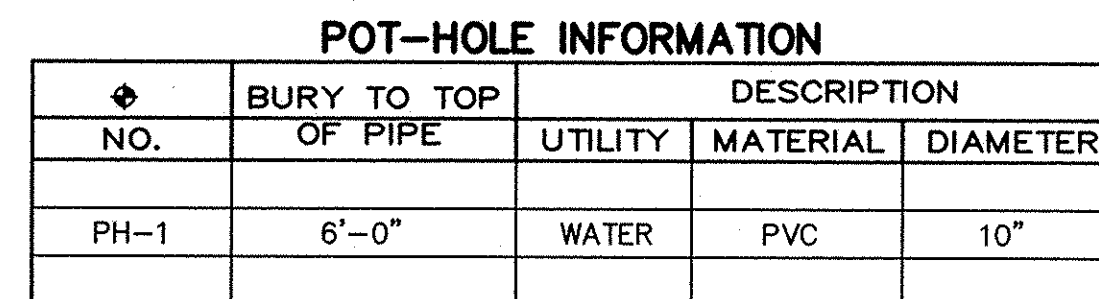
Design Review Committee APPROVED MAR 08 2010 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED MAR 08 2010 CITY ENGINEER	No. / Rev / Yr.	No. / Rev / Yr.
Last Design Update			



POT-HOLE INFORMATION

NO.	BURY TO TOP OF PIPE	UTILITY	MATERIAL	DIAMETER
PH-17A	3'-0"	GAS	POLY	2"
PH-17B	2'-11"	ELEC.	CABLE	3/4"
PH-18	3'-11"	WATER	METALLIC	6"

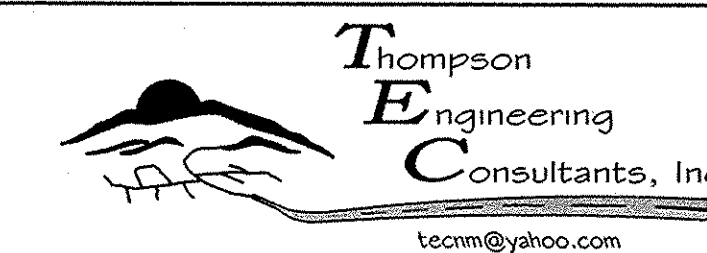
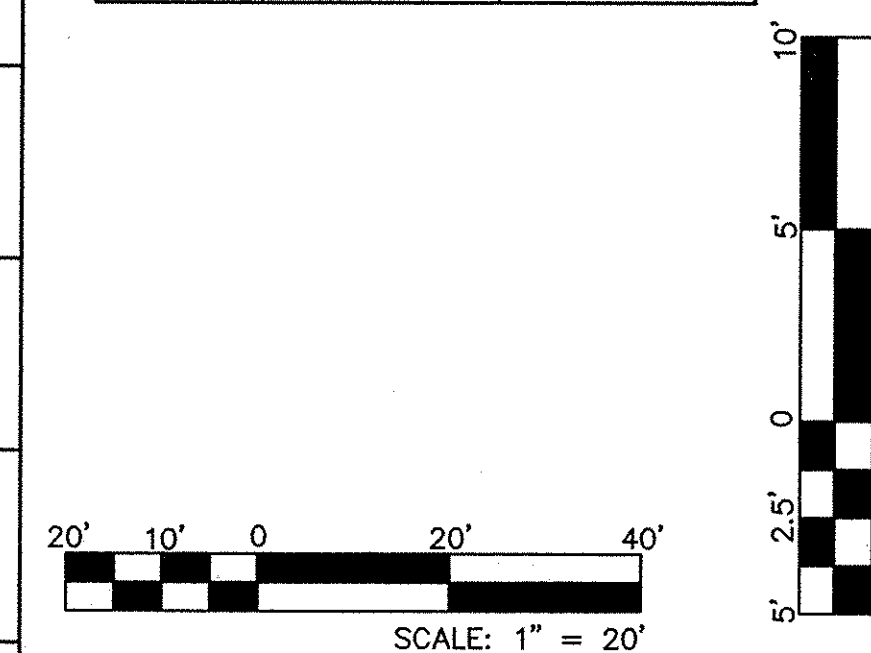




- ① PROTECT EXISTING
21" SAS LINE
- ② PROTECT EXISTING
10" WL LINE
- ③ REMOVE AND RELOCATE EXISTING 10" WL
VERTICALLY (38 LF)
SEE DETAIL SHEET 24

CONSTRUCTION STAKING

CONSTRUCTION STARTING		
NO.	NORTHING	EASTING
CS13	1482734.793	1529599.948
CS14	1482744.112	1529599.416
CS15	1482759.432	1529598.727
CS16	1482789.049	1529597.035
CS17	1482784.849	1529606.814
CS18	1482744.783	1529573.384
CS19	1482750.265	1529568.498
CS20	1482802.133	1529623.129



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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: COAL AVENUE STORM DRAIN REHABILITATION PROJECT
YALE BLVD. STORM DRAIN PLAN AND PROFILE

Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.	Mo. / Day / Yr.			
City Project No.	452291	Zone Map No.	K-15-15	Sheet	14	Of	29

KEYED NOTES:

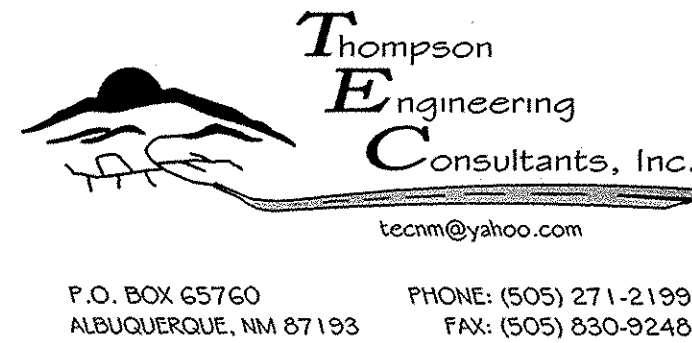
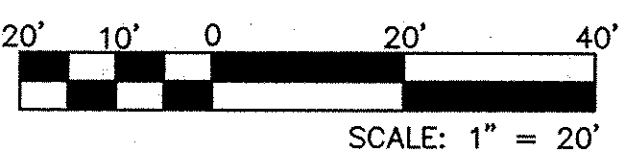
- 1 PROTECT EXISTING 21" SAS LINE
- 2 EXISTING 48" RCP TO REMAIN
- 3 REMOVE AND RELOCATE EXISTING 6" WATER LINE VERTICALLY (30 LF) SEE DETAIL SHEET 24
- 4 EXISTING 4" GAS LINE TO BE REMOVED AND RELOCATED BY GAS CO. OF NEW MEXICO
- 5 REMOVE AND RELOCATE EXISTING 10" WATERLINE VERTICALLY (38 LF) SEE DETAIL SHEET 24
- 6 REMOVE AND DISPOSE EXISTING WATER SERVICE. INSTALL NEW WATER SERVICE FROM MAIN LINE TO METER YOKE PER COA STD DWG 2362 OR 2363 INCLUDING NEW CURB STOP

NOTE:
ALL STORM INLET GRATES TO BE CONSTRUCTED AND INSTALLED PER COA STD DWG 2220

Certification
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CONSTRUCTION STAKING

NO.	NORTHING	EASTING
CS14	1482744.112	1529599.416
CS15	1482759.432	1529598.727
CS16	1482789.049	1529597.035
CS17	1482784.849	1529606.814
CS18	1482744.783	1529573.384
CS19	1482750.265	1529568.498
CS20	1482802.133	1529623.129
CS21	1482797.563	1529715.012
CS22	1482807.494	1529933.560
CS23	1482828.476	1529953.986



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

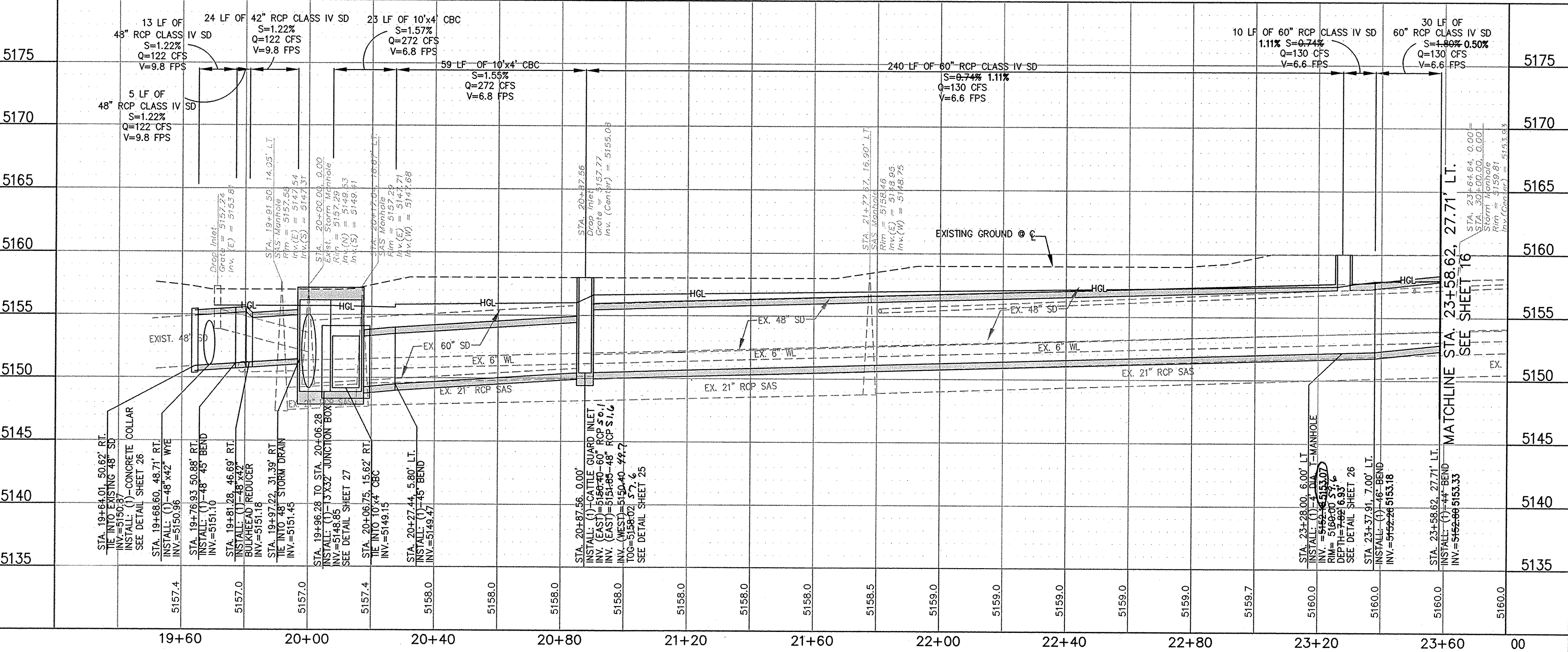
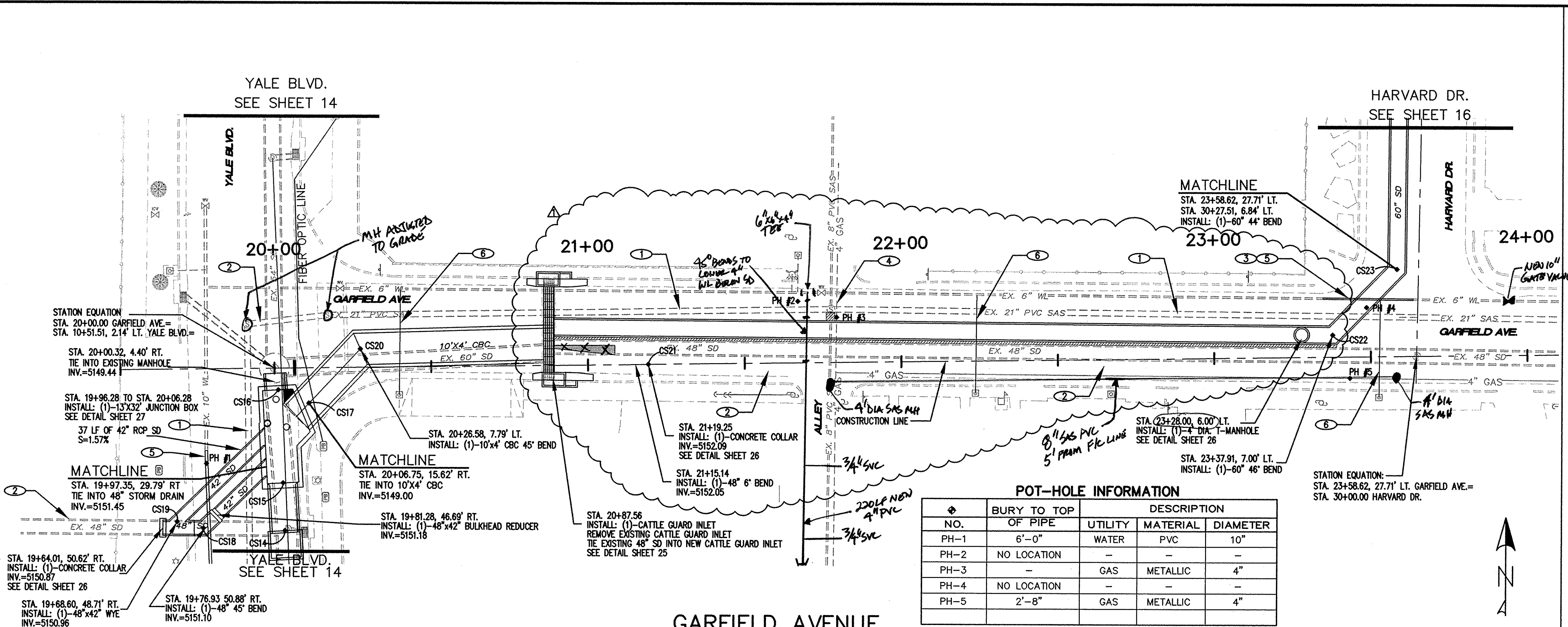
TITLE: **COAL AVENUE STORM DRAIN REHABILITATION PROJECT
GARFIELD AVE. STORM DRAIN PLAN & PROFILE**

Design Review Committee	City Engineer Approval	Mo. / Day / Yr.	Mo. / Day / Yr.

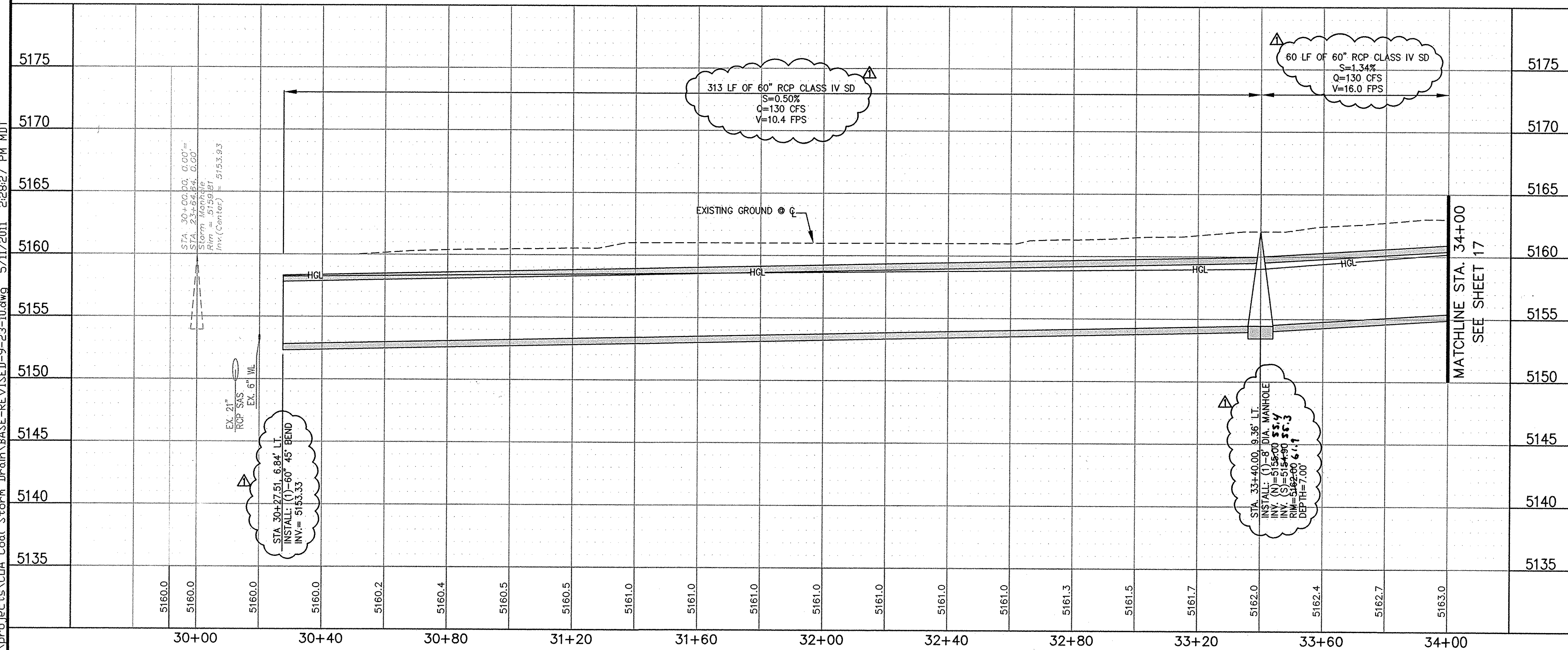
City Project No. **452291** Zone Map No. **K-15,L-15** Sheet **15** Of **29**

POT-HOLE INFORMATION

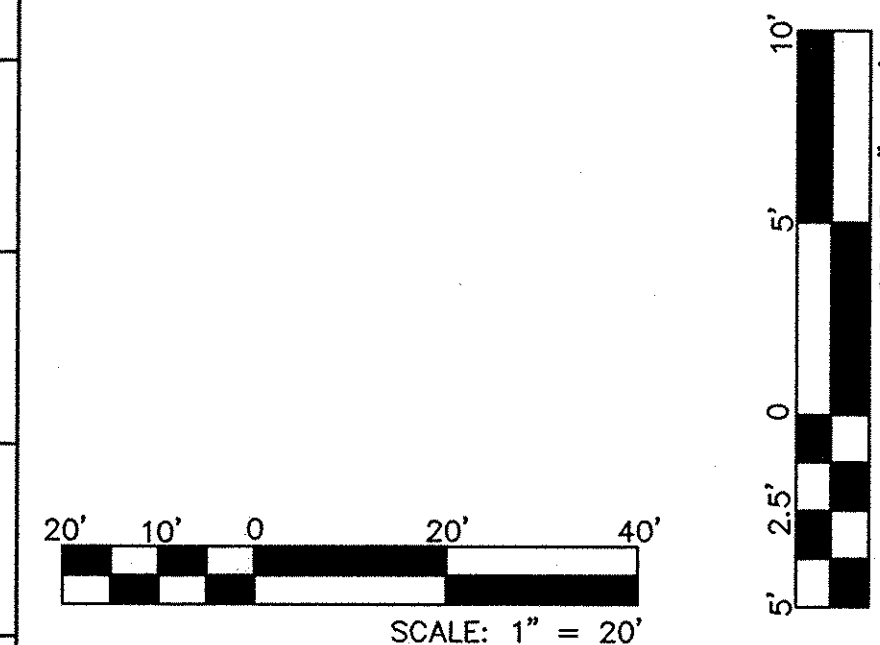
NO.	BURY TO TOP OF PIPE	UTILITY	MATERIAL	DIAMETER
PH-1	6'-0"	WATER	PVC	10"
PH-2	NO LOCATION	-	-	-
PH-3	-	GAS	METALLIC	4"
PH-4	NO LOCATION	-	-	-
PH-5	2'-8"	GAS	METALLIC	4"



Q:\projects\CDIA Coal Storm Drain\BASE-REVISED-9-23-10.dwg 5/11/2011 2:28:27 PM MDT



CONSTRUCTION STAKING		
NO.	NORTHING	EASTING
CS22	1482807.494	1529933.560
CS23	1482828.476	1529953.986
CS24	1483140.964	1529956.559



**Thompson
Engineering
Consultants, Inc.**

tecnm@yahoo.com

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FAX: (505) 830-9241

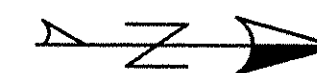
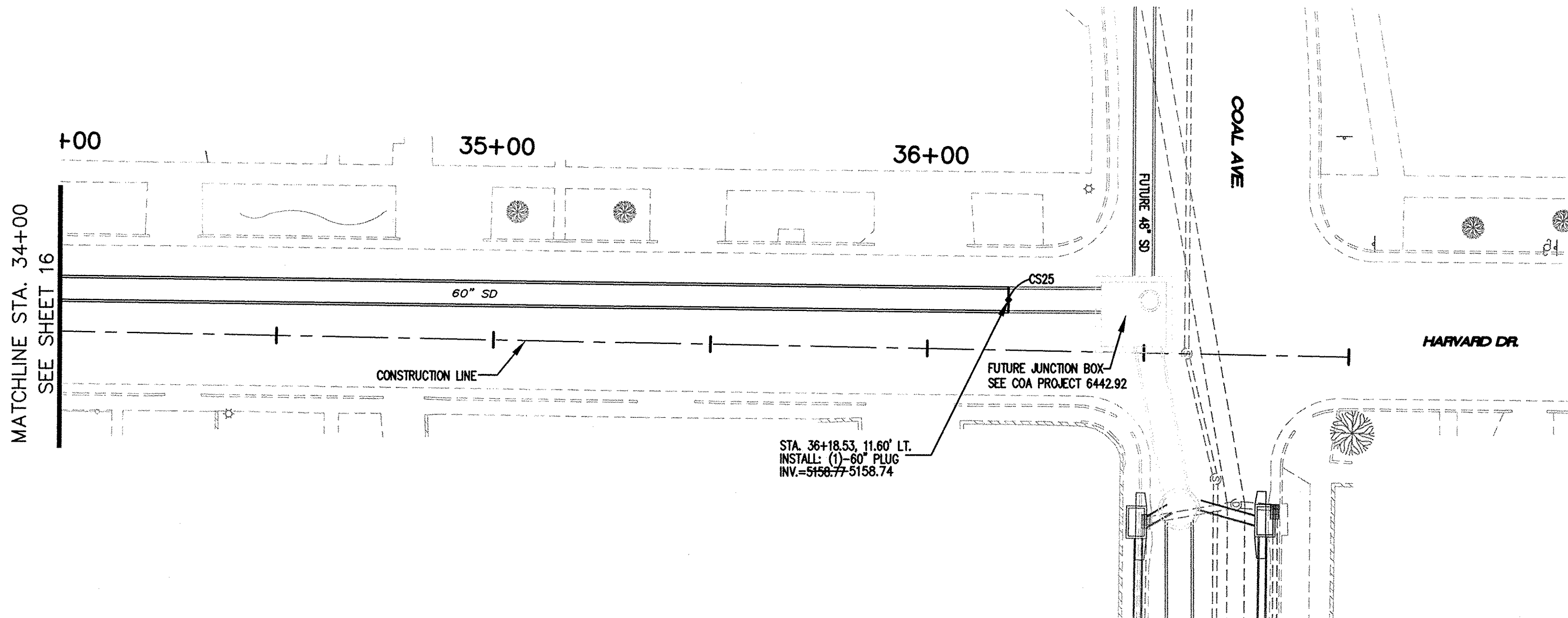
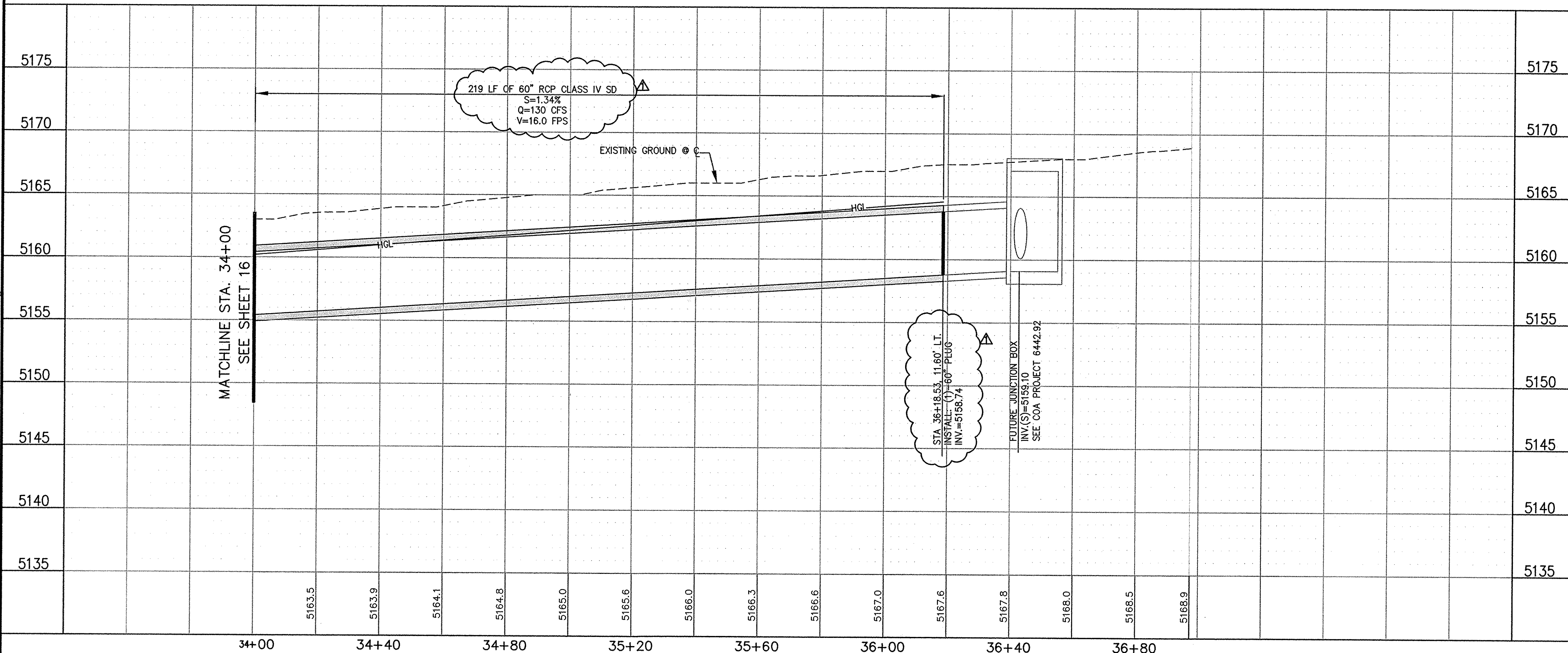
CITY OF ALBUQUERQUE	
DEPARTMENT OF MUNICIPAL DEVELOPMENT	
ENGINEERING DIVISION	
TITLE: COAL AVENUE STORM DRAIN REHABILITATION PROJECT	
HARVARD DR. STORM DRAIN PLAN & PROFILE	
GARFIELD AVE. TO STA. 34+00	

Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.	Mo. / Day / Yr.			
City Project No.	452291	Zone Map No.	K-15,L-15	Sheet	16	Of	29

SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES		CONTRACTOR	WORKS BY	DATE	DATE
	BY	DATE				
		ACS STATION BEING A 3-1/4" ALUMINUM DISK, STAMPED "20-L16 1984" SET FLUSH IN THE TOP OF CURB AT THE MEDIAN		INSPECTOR'S ACCEPTANCE BY	DATE	DATE
		NOSE, LOCATED 2.5 MI. SE OF DOWNTOWN ALBUQUERQUE, AT THE INTERSECTION OF GIRARD BLVD. AND BURTON AVE. SE ALBUQUERQUE.		VERIFICATION BY	DATE	DATE
				DRAWINGS CORRECTED BY	DATE	
				MICRO-FILM INFORMATION		
				RECORDED BY	DATE	
				NO.		

[illegible]

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NO.	NORTHING	EASTING
CS25	1483419.492	1529958.853

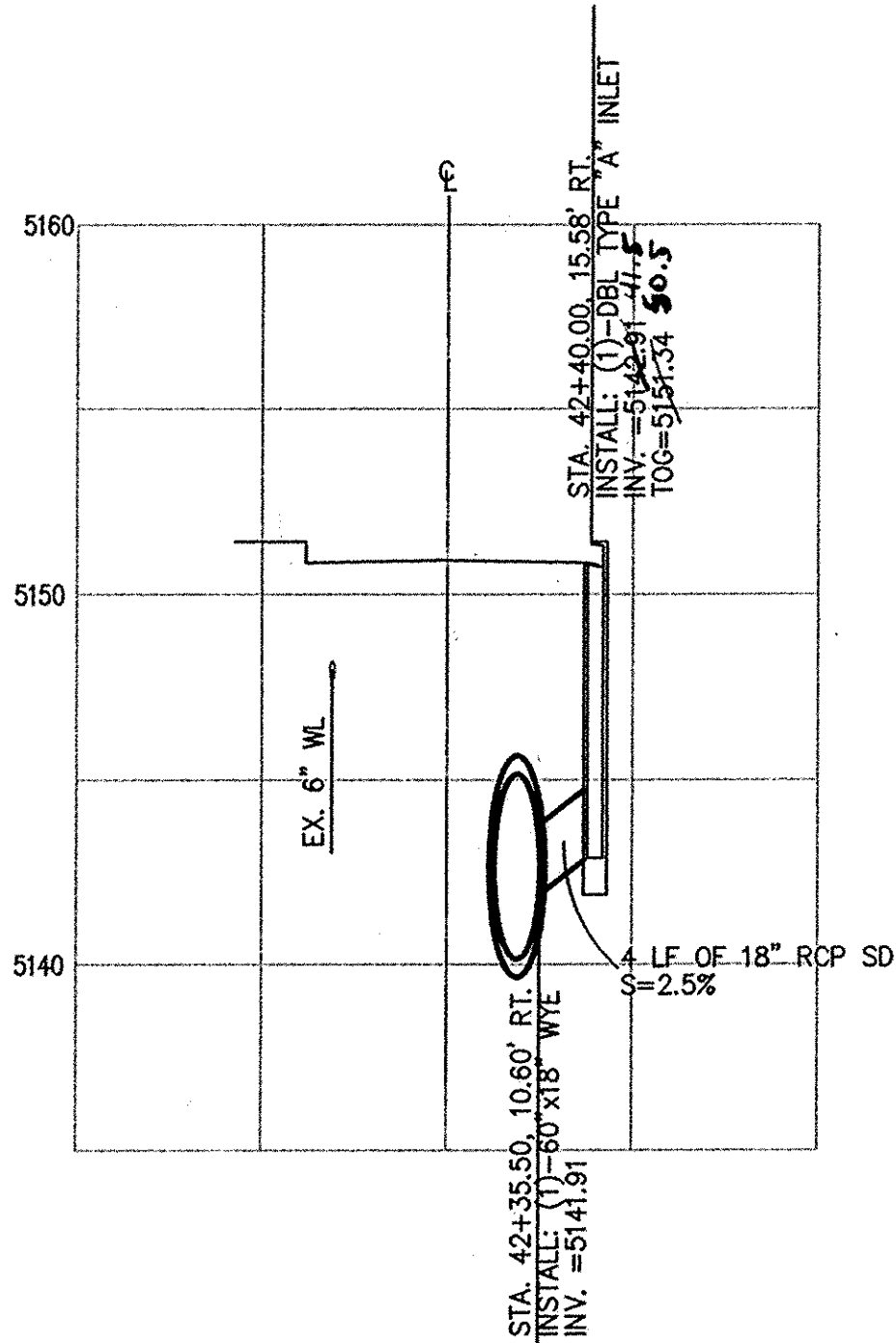


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 PHONE: (505) 271-2199 FAX: (505) 830-9248
 tecnm@yahoo.com

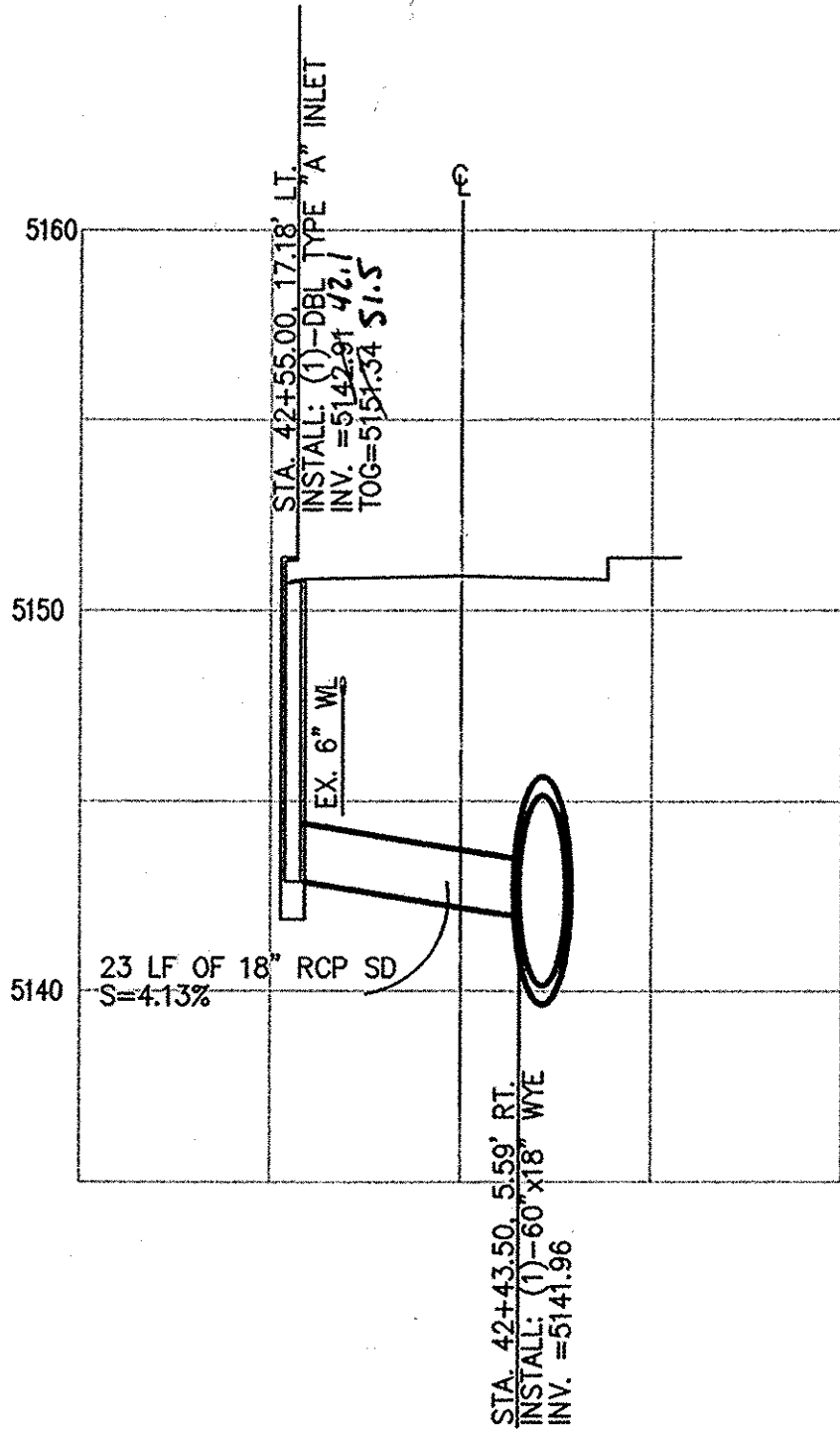
CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION																			
TITLE: COAL AVENUE STORM DRAIN REHABILITATION PROJECT HARVARD DR. STORM DRAIN PLAN & PROFILE STA. 34+00 TO STA. 36+18.53																			
Design Review Committee	City Engineer Approval	<table border="1"> <tr> <th>No.</th> <th>Rev.</th> <th>By</th> <th>Date</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		No.	Rev.	By	Date												
No.	Rev.	By	Date																
City Project No. 452291		Zone Map No. K-15, L-15	Sheet 17 of 29																

ENGINEERS SEAL			
DESIGNED BY	D.E.M.	DATE	3/10
DRAWN BY	D.E.M.	DATE	3/10
CHECKED BY	D.B.T.	DATE	3/10

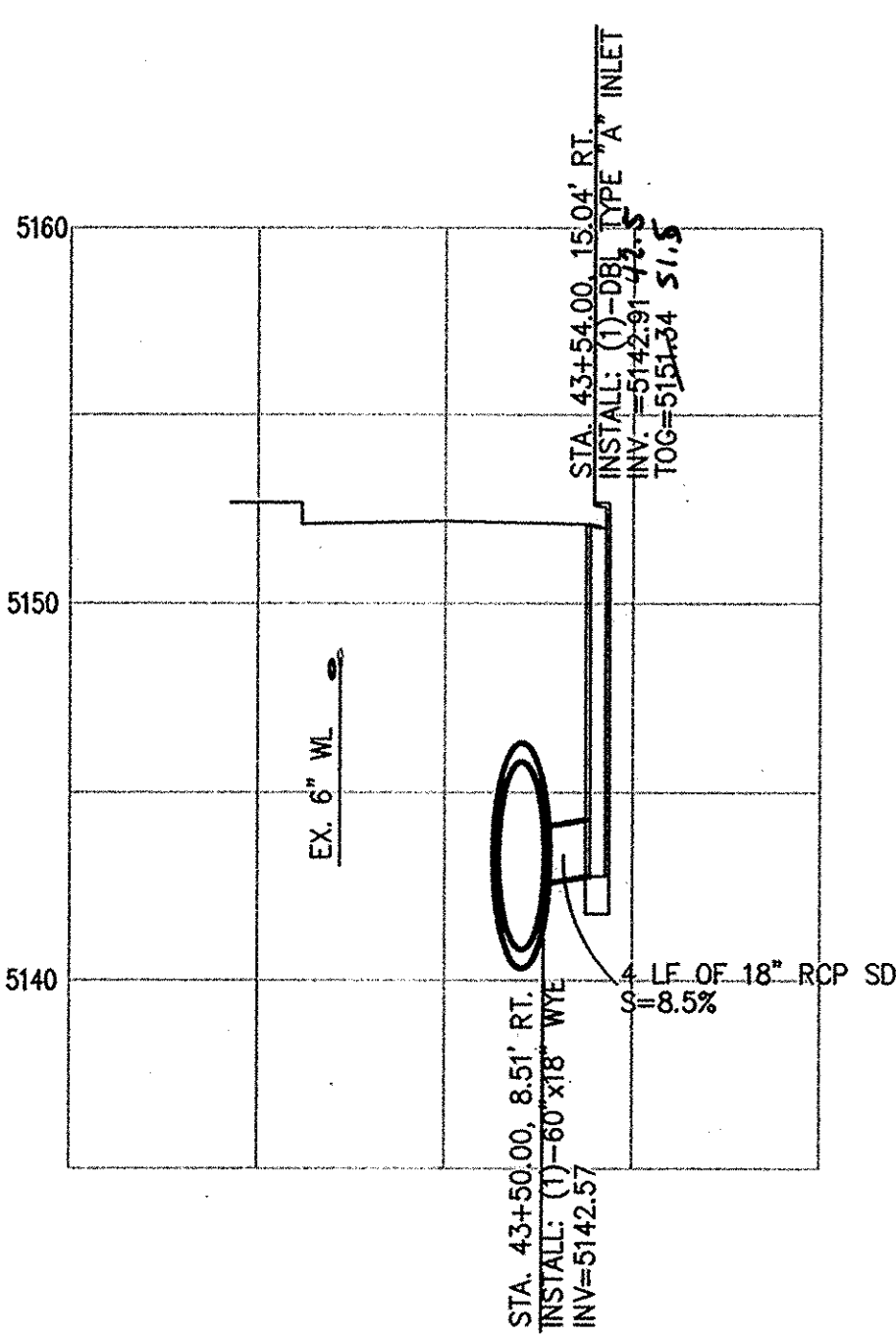
SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	ACS STATION BEING A 3-1/4" ALUMINUM DISK, STAMPED "20-L16 1984" SET FLUSH IN THE TOP OF CURB AT THE MEDIAN NOSE, LOCATED 2.5 MI. SE OF DOWNTOWN ALBUQUERQUE, AT THE INTERSECTION OF GIRARD BLVD. AND BURTON AVE. SE ALBUQUERQUE.	CONTRACTOR	DATE
				WORKED BY: Cartesian Surveys Inc.	DATE: 8/10/11
				INSPECTED BY:	DATE:
				ACCEPTANCE BY:	DATE:
				VERIFICATION BY: Cartesian Surveys Inc.	DATE: 8/10/11
				DRAWINGS CORRECTED BY:	DATE:
				MICRO-FILM INFORMATION	
				RECORDED BY:	DATE:
				NO.	
				ELEVATION = 5210.836 FT	



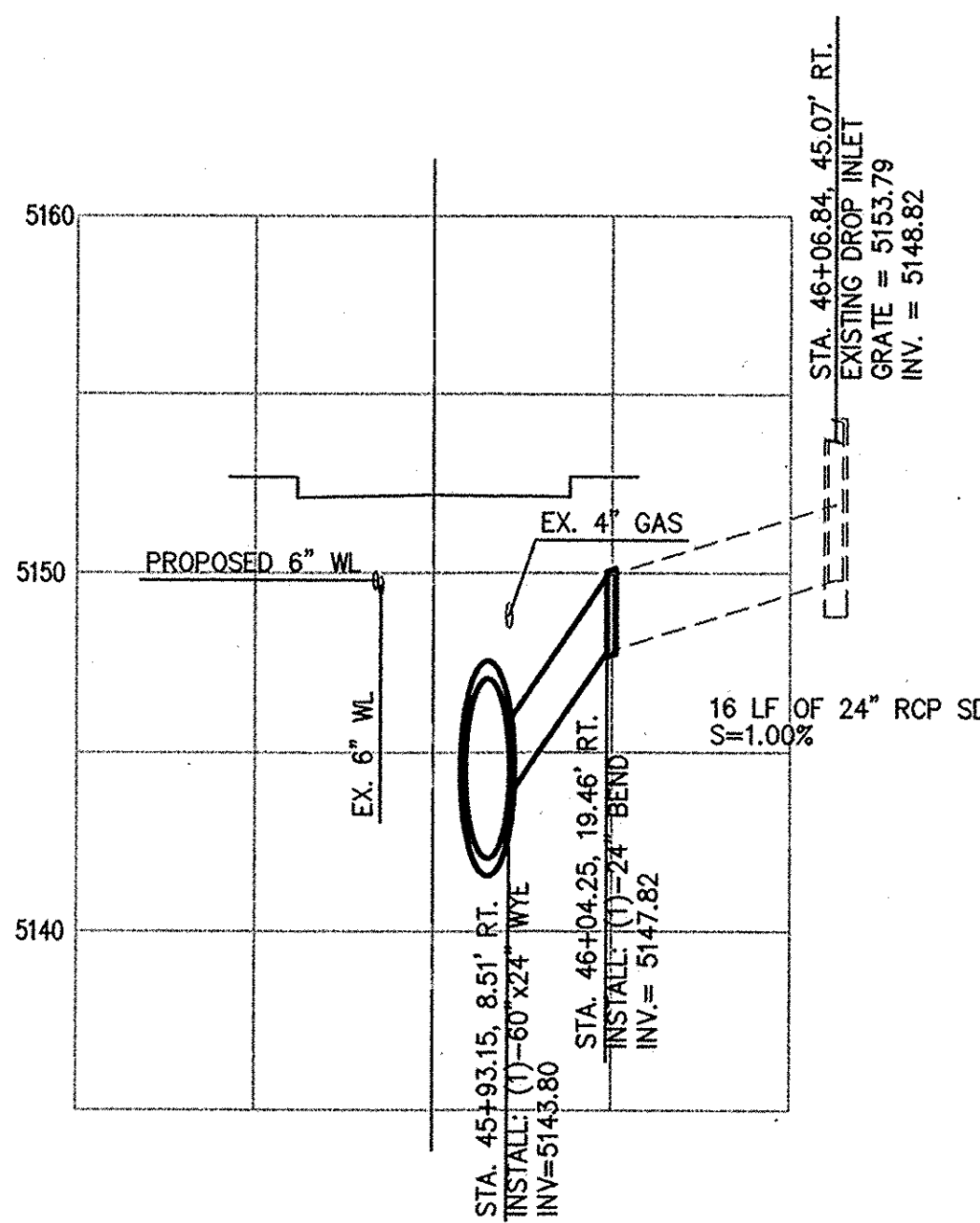
BELL AVENUE INLET DETAIL
STA. 42+40.00, 15.58' RT.



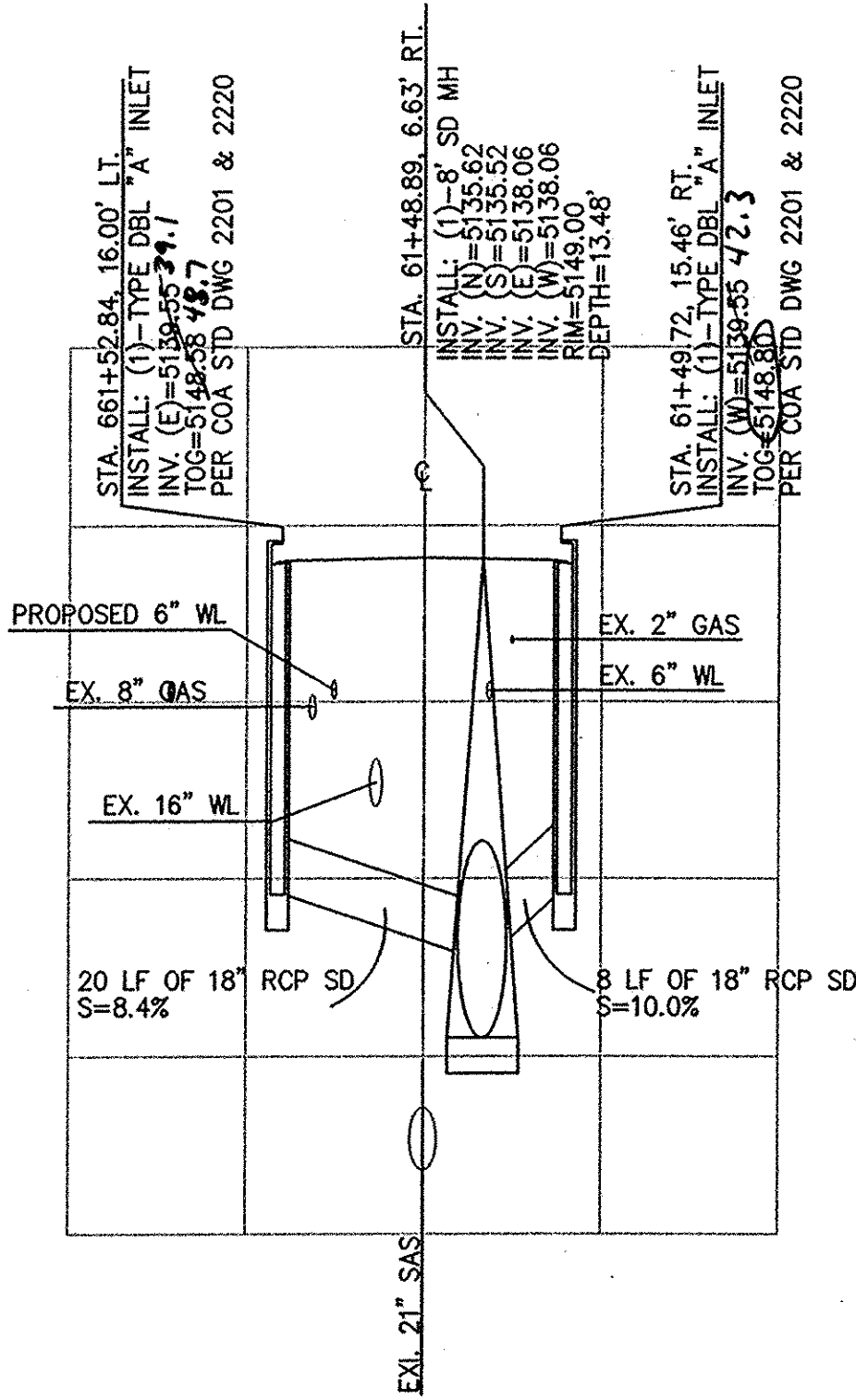
BELL AVENUE INLET DETAIL
STA. 42+55.00, 17.18' LT.



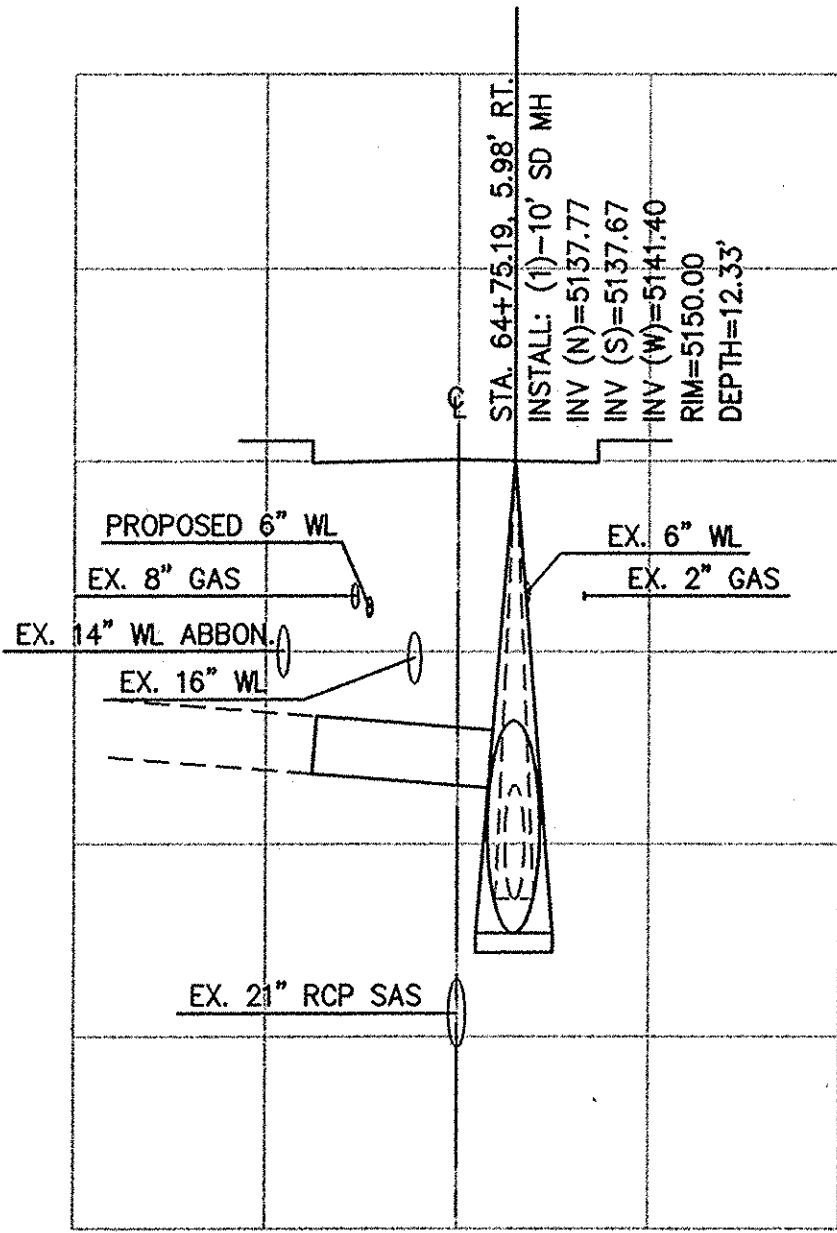
BELL AVENUE INLET DETAIL
STA. 43+54.00, 15.04' RT.



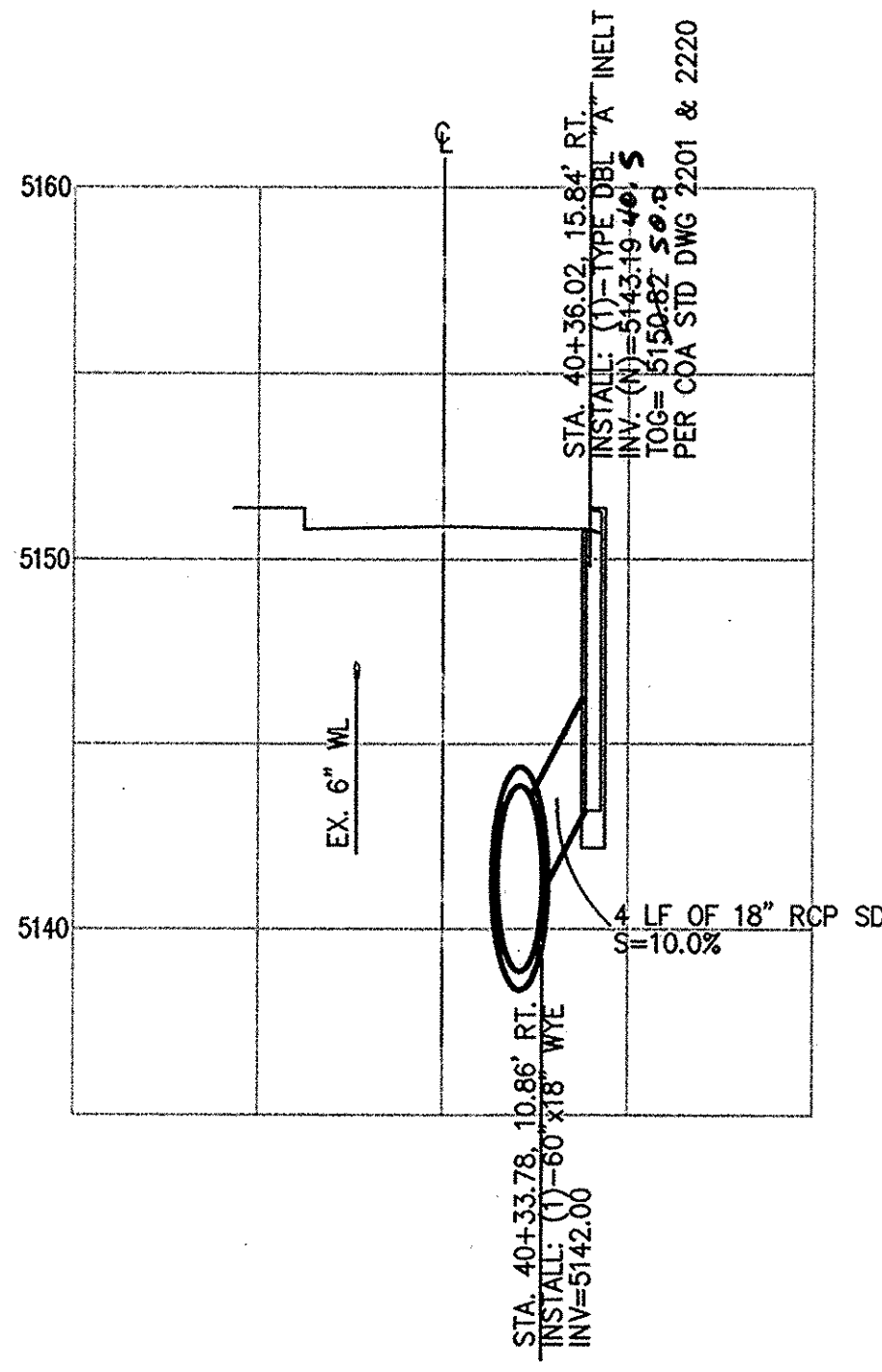
BELL AVENUE 24" STORM DRAIN
STA. 45+93.15, 8.51' RT.



BUENA VISTA DR. INLET DETAIL
STA. 61+48.89, 6.63' RT.



BUENA VISTA DR. 18" STORM DRAIN
STA. 64+75.19, 5.98' RT.

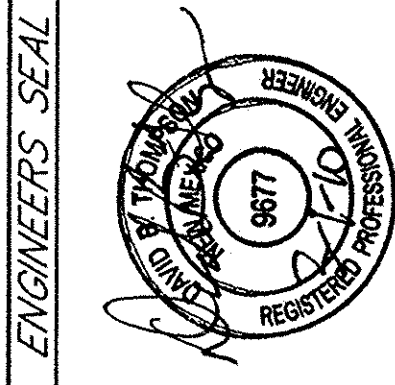


BELL AVENUE INLET DETAIL
STA. 40+36.02, 15.84' RT.

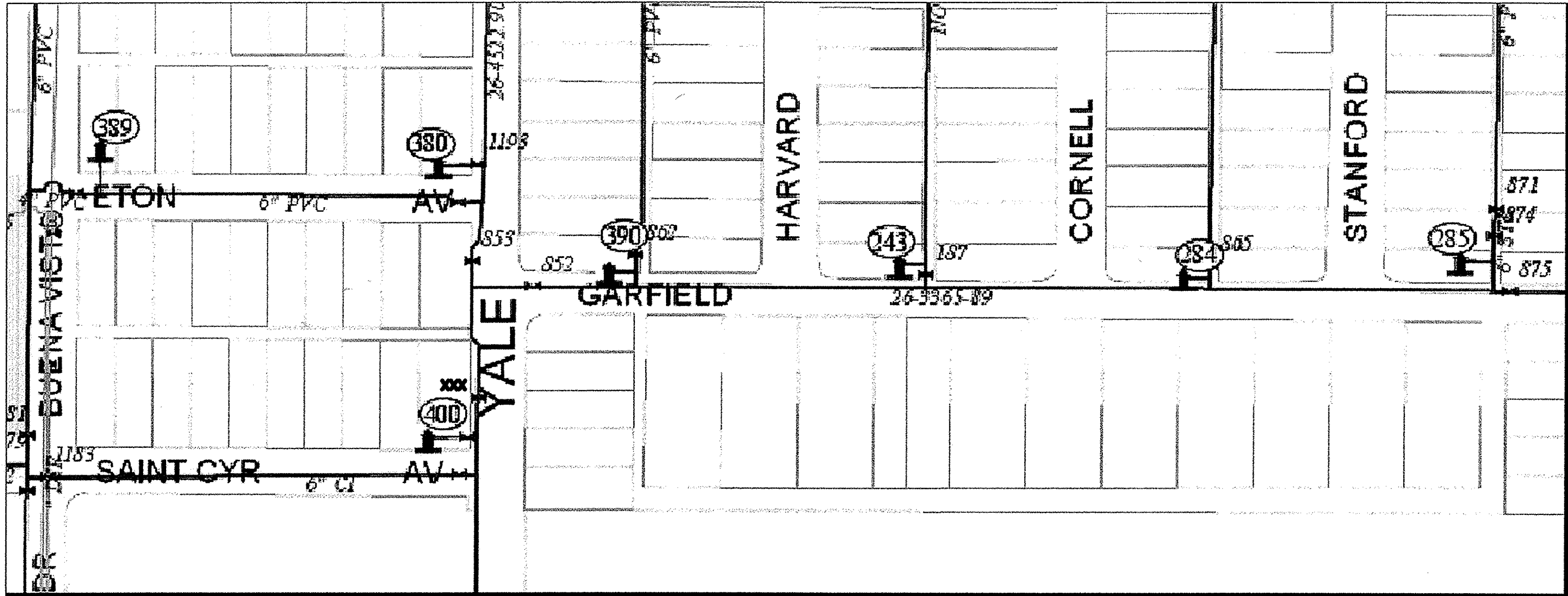
Thompson Engineering Consultants, Inc.
P.O. BOX 65760 ALBUQUERQUE, NM 87193
PHONE: (505) 271-2199 FAX: (505) 630-8248
tecncm@yahoo.com

Certification
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Will P. King

CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION			
TITLE: COAL AVENUE STORM DRAIN REHABILITATION PROJECT STORM DRAIN LATERAL PROFILES			
Design Review Committee APPROVED MAR 08 2010 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED MAR 08 2010 CITY ENGINEER	No. / Day / Yr.	No. / Day / Yr.
City Project No. 452291	Zone Map No. K-15, L-15	Sheet 18	Of 29

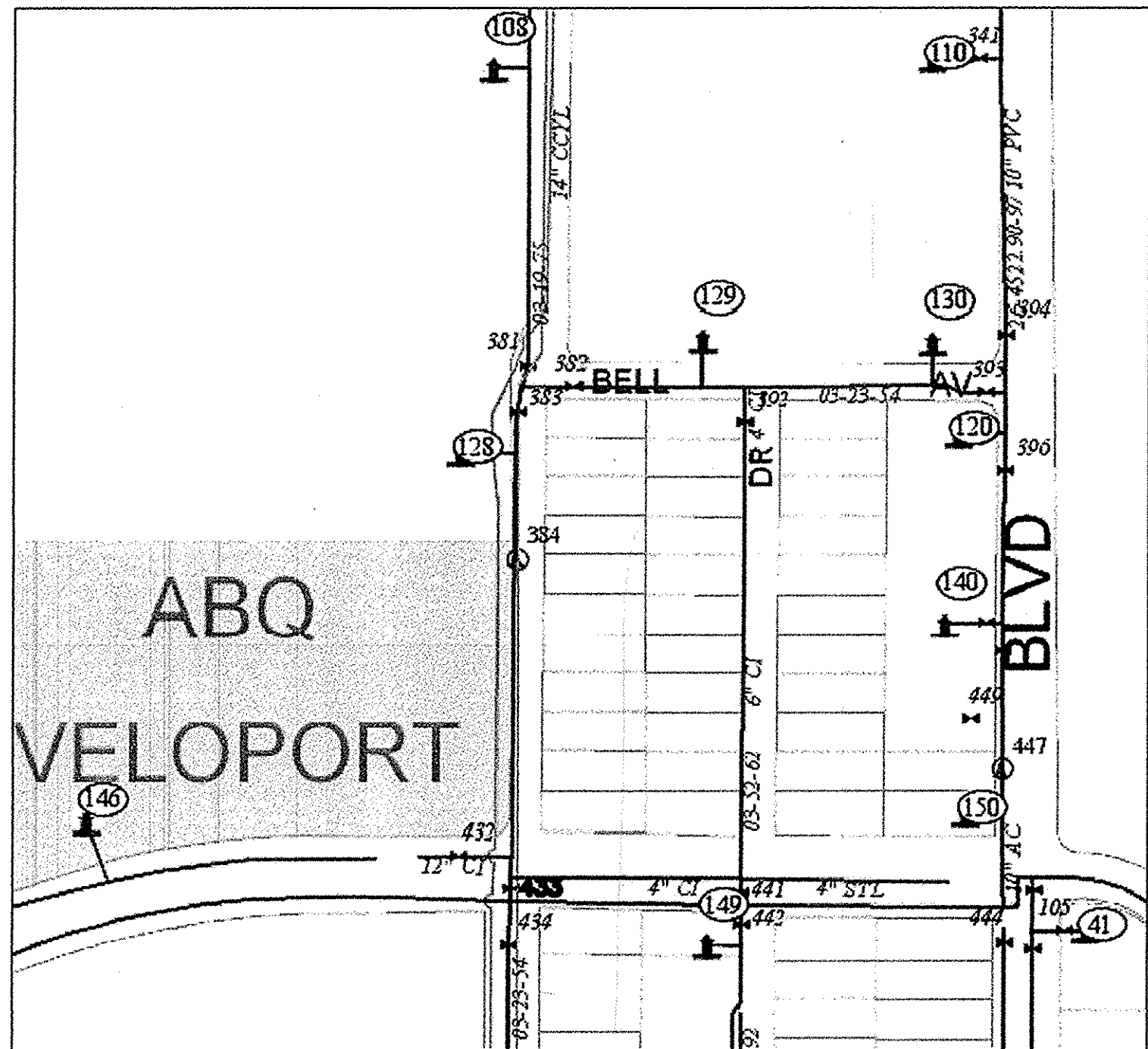


SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	BY	DATE	ACS STATION BEING A 3-1/4" ALUMINUM DISK, STAMPED "20-L16 1984" SET FLUSH IN THE TOP OF CURB AT THE MEDIAN NOSE, LOCATED 2.5 MI. SE OF DOWNTOWN ALBUQUERQUE, AT THE INTERSECTION OF GIRARD BLVD. AND BURTON AVE. SE ALBUQUERQUE, NM 87108	CONTRACTOR	DATE
				INSPECTED BY	DATE
				FIELD VERIFICATION BY	DATE
				DESIGNED BY	DATE
				RECORDED BY	DATE
				NO.	
				ELEVATION = 5210.836 FT	



HARVARD DIVERSION
WATER SHUT OFF REQUIREMENTS

WORK ITEM	VALVES TO BE CLOSED DURING WORK ITEM	FIRE HYDRANTS OUT OF SERVICE DURING WORK ITEM
INSTALL NEW STORM DRAIN IN YALE BLVD AND GARFIELD AVE	VALVE NORTH OF FH 400 853, 862, 187 865, 874, 875	390, 284, 285



BELL DIVERSION
WATER SHUT OFF REQUIREMENTS

WORK ITEM	VALVES TO BE CLOSED DURING WORK ITEM	FIRE HYDRANTS OUT OF SERVICE DURING WORK ITEM
RELOCATE EXISTING WATERLINE INSTALL NEW STORM DRAIN IN BUENA VISTA DRIVE	433, 432, 381, 382, 441	128
RELOCATE EXISTING WATERLINE INSTALL NEW STORM DRAIN BELL AVENUE	381, 383, 392, 394 396	129 & 130

GENERAL NOTES:

1. DISINFECTION AND FILLING OF WATER LINES SHALL CONFORM TO THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS 801.17 EXCEPT AS MODIFIED HEREIN. THIS WORK IS INCIDENTAL TO THE WATERLINE CONSTRUCTION. NO ADDITIONAL PAYMENT WILL BE MADE.
2. ALL NECESSARY MEASURES SHALL BE TAKEN TO PREVENT CONTAMINATED MATERIALS FROM ENTERING THE WATER LINE DURING STORAGE, CONSTRUCTION, OR REPAIR INCLUDING CAPPING THE WATER LINE AT NIGHT AND DURING ALL BREAKS IN PIPE LAYING.
3. REMOVE ANY MATERIALS, DIRT OR DEBRIS THAT MAY HAVE ENTERED THE WATER LINE PRIOR TO DISINFECTION.
4. ADD A FLUSHING/DRAINING PORT TO ALL DEAD END LINES DISCHARGE POINTS AND FILLING POINTS WHICH ARE NOT FIRE HYDRANTS. PORT SHALL BE 2" MIN. UNLESS SHOWN OTHERWISE. PORT SHALL ALLOW PIPE TO FULLY DRAIN.
5. FILL THE WATER LINE PER THE PLAN SHOWN ON THIS SHEET THROUGH AN APPROVED BACK FLOW PREVENTION DEVICE. CONTRACTOR SHALL USE NECESSARY METHODS TO ALLOW ALL AIR IN THE WATER LINE TO RELEASE WITHOUT CONTAMINATING ANY EXISTING WATER LINES OR FIELD TAPPING CONCRETE CYLINDER PIPE.
6. PRESSURE TEST IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATION 801.16.

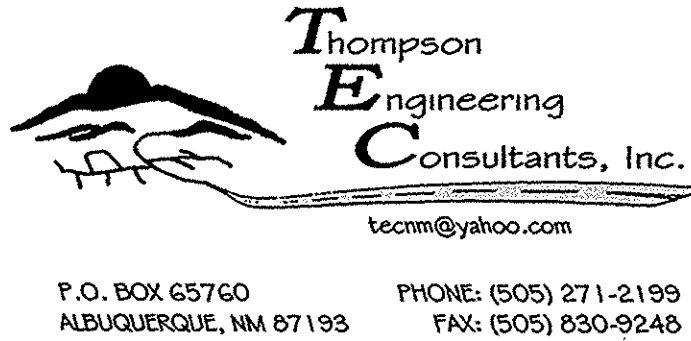
DISINFECT THE WATER LINE PER CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS 801.17 AND AWWA C651 (LATEST EDITION). SODIUM OR CALCIUM HYPOCHLORITE ARE THE ONLY PERMISSIBLE FORMS OF CHLORINE TO BE USED. GRANULES OR TABLETS SHALL NOT BE PLACED IN THE WATER LINE, HOWEVER THEY MAY BE USED TO PREMIX A HIGHLY CHLORINATED SOLUTION. CONTRACTOR SHALL ENSURE THAT GRANULES OR TABLETS NOT DISSOLVED ARE NOT INTRODUCED INTO THE WATER LINE FROM THE HIGHLY CHLORINATED WATER BY SCREENING THE DISCHARGE FROM THE PRE-MIXING VESSEL OR BY OTHER PROVEN MEANS.

8. THE SLUG OR CONTINUOUS-FEED METHOD SHALL BE USED (WITH PRELIMINARY FLUSHING ON LINES LESS THAN 24" IN DIAMETER AND BROOM SWEEPING ON LINES 24" AND LARGER).
9. AFTER THE REQUIRED RETENTION PERIOD, HEAVILY CHLORINATED WATER SHALL BE FLUSHED FROM THE WATER LINE PER THIS PLAN. INTRODUCE FLUSH WATER THROUGH AN APPROVED BACK FLOW DEVICE. DECHLORINATION IS REQUIRED WHEN NOTED ON THIS PLAN.
10. FLUSH THE WATER LINE BY CAREFULLY THROTTLING THE VALVE AT THE DISCHARGE END TO PREVENT A VACUUM IN THE WATER LINE AND TO PREVENT INUNDATING THE DISCHARGE STRUCTURE.
11. IF FLUSHING INTO A SANITARY SEWER NOTIFY THE WASTEWATER UTILITY DIVISION AT 873-7015 PRIOR TO FLUSHING. IF FLUSHING TO A CITY OF ALBUQUERQUE STORM SEWER OR DRAINAGE CHANNEL NOTIFY THE HYDROLOGY DIVISION AT 768-3654. IF FLUSHING TO AN AMAFCA STRUCTURE NOTIFY AMAFCA AT 884-2215 PRIOR TO FLUSHING. FLUSHING LINE SHALL BE SUPPORTED BY A STAND TO MAINTAIN AN 18" SEPARATION BETWEEN THE FLUSHING LINE AND THE DISCHARGE POINT OR MANHOLE RIM.
12. WHEN THE FLUSH WATER RESIDUAL CHLORINE IS LESS THAN 2.0 mg/L, THE WATER AUTHORITY WILL TAKE A POTABILITY TEST. UPON PASSING THE CONTRACTOR SHALL REMOVE THE METER AND BACK FLOW PREVENTION DEVICE. IF LINE DOES NOT PASS, CONTRACTOR SHALL REPEAT DISINFECTION AND/OR FLUSHING UNTIL LINE PASSES.
13. PROVIDE ABCWUA WITH A RECORD OF THE WATER VOLUME USED TO FILL AND FLUSH THE WATER LINE BASED ON WATER METER READINGS.
14. CONTRACTOR MAY SUBMIT AN ALTERNATE FILLING, DISINFECTION, AND FLUSHING PLAN FOR REVIEW AND APPROVAL AT LEAST 5 WORKING DAYS PRIOR TO FILLING.
15. THROTTLING SHALL BE PERFORMED USING VALVES NOT FIRE HYDRANTS.
16. THE CONTRACTOR SHALL BE GRANTED FREE WATER FOR TESTING AND FLUSHING. IF THE WATER LINE FAILS THE HYDROSTATIC OR POTABILITY TEST, THE CONTRACTOR SHALL PAY FOR THE ADDITIONAL WATER REQUIRED FOR RETESTING.

WATER SHUTOFF GENERAL NOTES

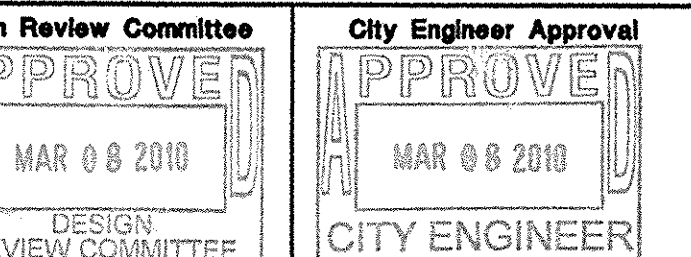
1. CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF THE WATER SHUT-OFF REQUIREMENTS IN CONJUNCTION WITH THE COMPLETION OF THIS PROJECT.
2. AT LEAST SEVEN (7) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL CONTACT THE ABCWUA (857-8200) TO INITIATE IMPLEMENTATION OF THIS WATER SHUT-OFF PLAN. ONLY ABCWUA PERSONNEL SHALL OPERATE WATER VALVES.
3. ALL AFFECTED PROPERTY OWNERS OF A WATER-SHUT OFF SHALL BE NOTIFIED ONE WEEK PRIOR TO WATER-SHUT OFF.
4. ALL WATERLINE WORK INVOLVING PUBLIC WATERLINE SHUT-OFFS SHALL BE PERFORMED ON WEEKENDS OR AT NIGHT. BUSINESS AND RESIDENTIAL ADDRESSES THAT EXPERIENCE WATER SHUT-OFF AS A RESULT OF THIS WORK SHALL BE NOTIFIED IN WRITING AT LEAST SEVEN (7) DAYS PRIOR TO INSTALLATION.
5. CONTRACTOR SHALL CONTACT THE CITY OF ALBUQUERQUE FIRE DEPARTMENT (833-7391) A MINIMUM OF SEVEN (7) WORKING DAYS PRIOR TO ANY OF THE WATER SHUT-OFFS. THE CONTRACTOR MUST INFORM THE FIRE DEPARTMENT OF THE FIRE HYDRANTS TO BE OUT OF SERVICE DURING THE WATER SHUT-OFFS.
6. FIRE HYDRANTS NOT IN SERVICE DURING ANY WATER SHUT-OFF ARE TO BE BAGGED.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEERS SEAL		REMARKS		DESIGN		CITY OF ALBUQUERQUE		DEPARTMENT OF MUNICIPAL DEVELOPMENT		ENGINEERING DIVISION		TITLE:		DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL		Last Design Update		City Project No.		Zone Map No.		Sheet		Of		
CONTRACTOR	DATE	DISK STAMPED "20-116 1984" SET FLUSH	DATE	NO.	BY	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.
WORK STARTED BY: Cartesian Surveys Inc.	DATE: 3/1/10	IN THE TOP OF CURB AT THE MEDIAN	DATE: 3/1/10																															
FIELD ACCEPTANCE BY: Cartesian Surveys Inc.	DATE: 3/1/10	NOSE, LOCATED 2.5 MI. SE OF DOWNTOWN	DATE: 3/1/10																															
FIELD CORRECTION BY: Cartesian Surveys Inc.	DATE: 3/1/10	ALBUQUERQUE, AT THE INTERSECTION OF	DATE: 3/1/10																															
FIELD CORRECTION BY: Cartesian Surveys Inc.	DATE: 3/1/10	GIRARD BLVD. AND BURTON AVE. SE	DATE: 3/1/10																															
RECORDED BY: ALBUQUERQUE	DATE: 3/1/10	NAVD 1988	DATE: 3/1/10																															
NO.	DATE	ELEVATION = 5210.836 FT.	DATE																															



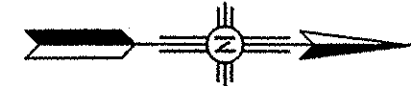
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: COAL AVENUE STORM DRAIN REHABILITATION
WATER SHUTOFF PLAN



City Project No. 452291
Zone Map No. K-15, L-15
Sheet 19 of 29

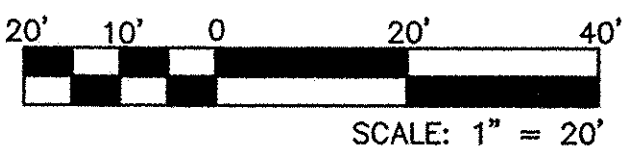
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FROM CITY OF ALBUQUERQUE
G.I.S. INFORMATION



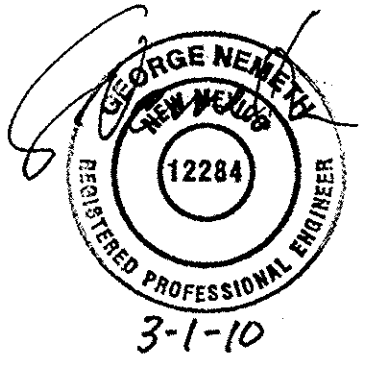
LINE 31A. 04-1
SEE SHEET 21

- ① REMOVE AND DISPOSE OF EXISTING WATER SERVICE. INSTALL NEW WATER SERVICE FROM MAIN LINE TO METER YOKE PER COA STD DWGS. 2362 OR 2363. INCLUDING NEW CURB STOP.
- ② SEE SHEET 4 AND 5 FOR REMOVAL AND DISPOSAL OF EXISTING 6" WATERLINE. CONTRACTOR TO UTILIZE EXISTING WATER METERS. CONTRACTOR SHALL REMOVE, DISPOSE, AND REPLACE STANDARD C&G AND PORTLAND CEMENT CONCRETE SIDEWALK AS REQUIRED TO INSTALL NEW WATER SERVICES.
- ③ PROTECT EXISTING 16" WATERLINE.
- ④ INSTALL NEW 6" WATERLINE. USE PVC, C-900, DR-18 PIPE.

NO.	TOP OF PIPE	BOTTOM OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
10	62"	—	GAS	POLY	8"
9	NO LOCATE	—	WATER	NO LOCATE	
9	26"	—	GAS	POLY	2"
11A	17"	—	GAS	POLY	2"
11B	15"	—	GAS	—	1/2"
6	35"	—	WATER	METAL	6"
7	35"	—	GAS	POLY	8"



SCALE: 1" = 5'



SEC #109132

 **Smith Engineering Company**
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ALBUQUERQUE, NM 87193

PHONE: (505) 271-2199
FAX: (505) 830-9248

**CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION**

**TITLE: COAL AVENUE STORM DRAIN REHABILITATION
BUENA VISTA DRIVE WATER LINE PLAN AND PROFILE
AVENIDA CESAR CHAVEZ TO STA. 64+00**

Design Review Committee
APPROVED
MAR 08 2010
DESIGN
REVIEW COMMITTEE

City Engineer Approval

APPROVED

MAR 08 2010

CITY ENGINEER

Last Design Update

City Project No.

452291

Zone Map No.
K-15,L-15

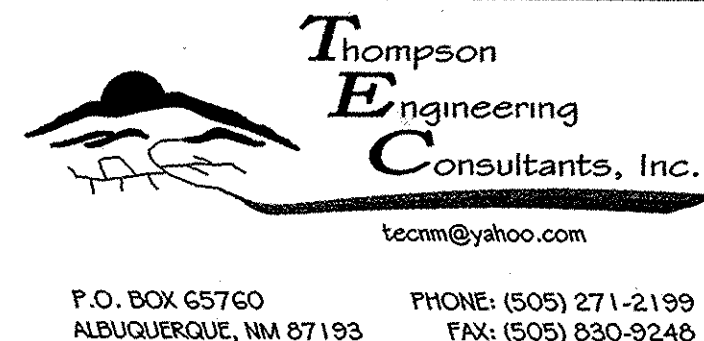
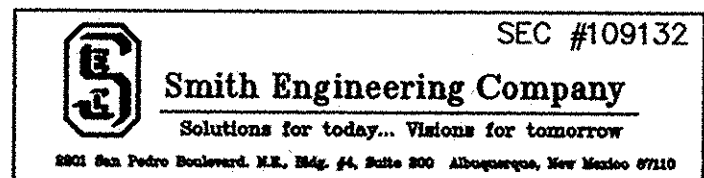
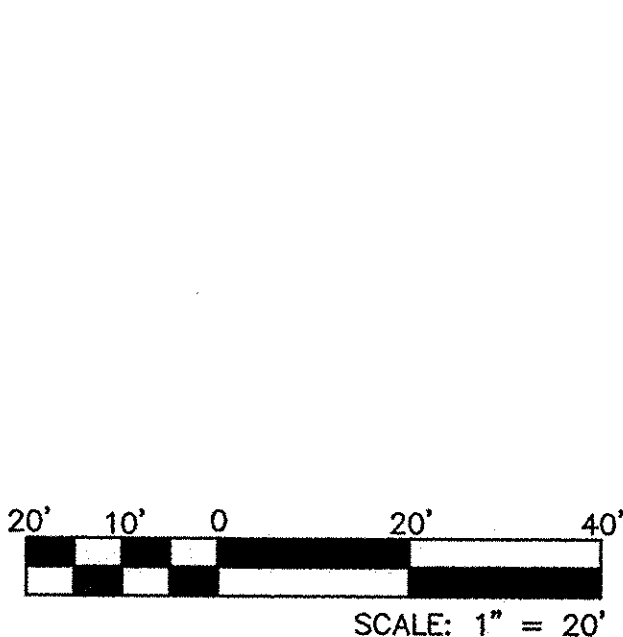
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KEYED NOTES:

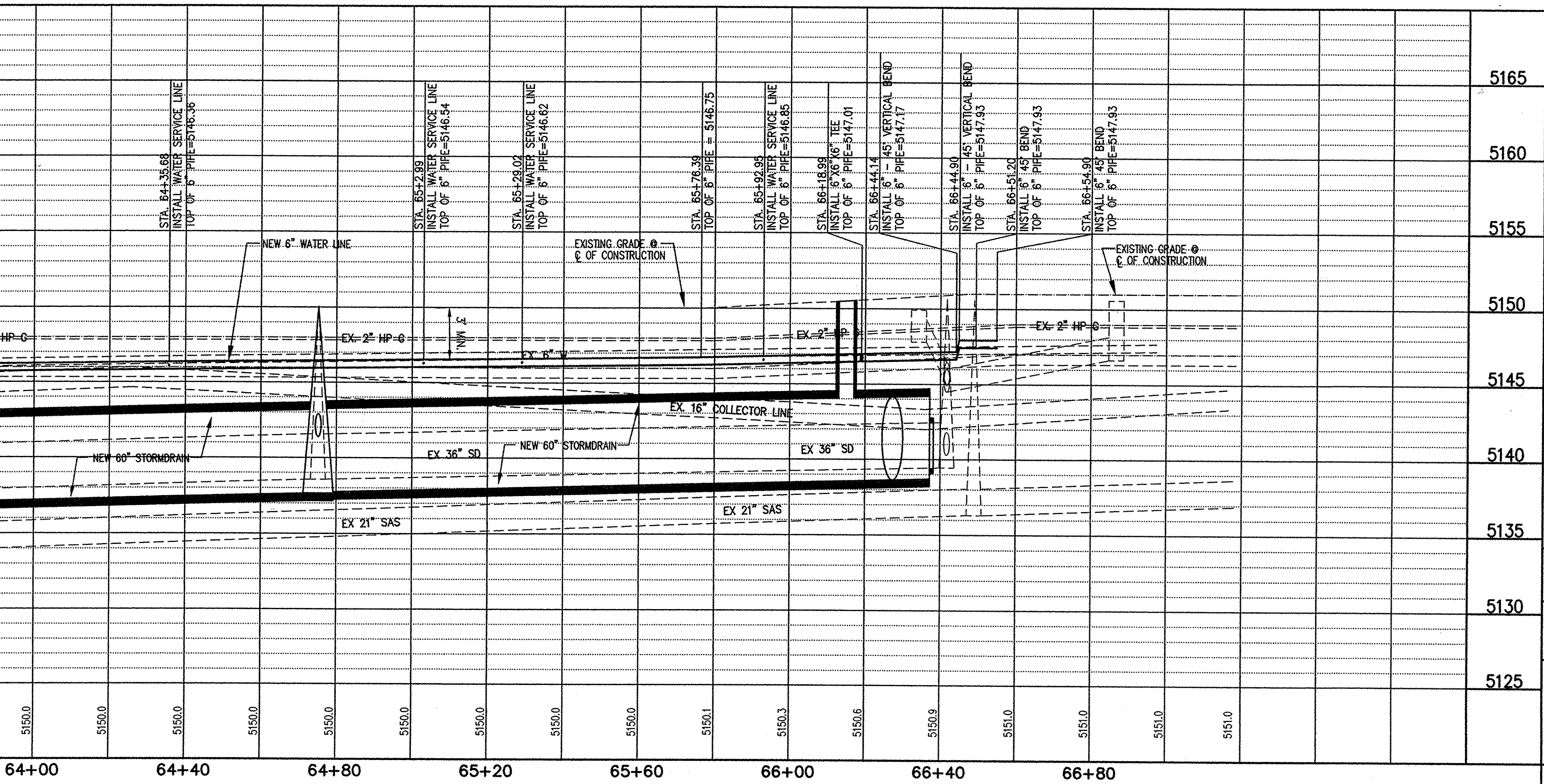
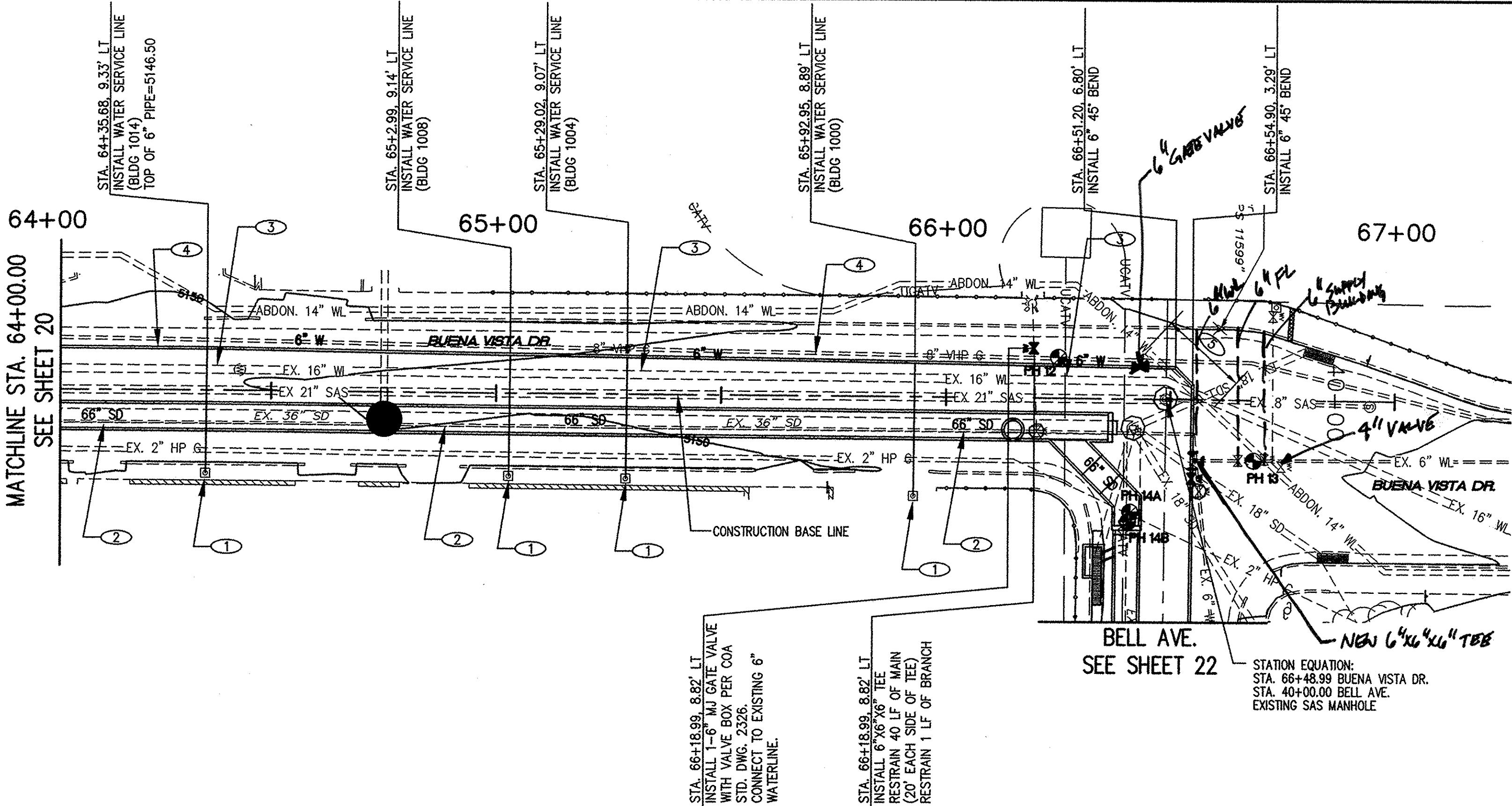
- 1 REMOVE AND DISPOSE OF EXISTING WATER SERVICE. INSTALL NEW WATER SERVICE FROM MAIN LINE TO METER YOEK PER COA STD DWGS. 2362 OR 2363.
- 2 SEE SHEET 4 AND 5 FOR REMOVAL AND DISPOSAL OF EXISTING 6" WATER LINE. CONTRACTOR TO UTILIZE EXISTING WATER METER. CONTRACTOR SHALL REMOVE, DISPOSE, AND REPLACE STANDARD C&G AND PORTLAND CEMENT CONCRETE SIDEWALK AS REQUIRED TO INSTALL NEW WATER SERVICES.
- 3 PROTECT EXISTING 16" WATER LINE.
- 4 INSTALL NEW 6" WATER LINE. USE PVC, C-900, DR-18 PIPE.
- 5 REMOVE APPROX. 20 LF OF EXIST. ABANDONED 14" WL. CAP OR PLUG REMAINING OPEN ENDS OF 14" WL.

POTHOLING INFORMATION

NO.	TOP OF PIPE	BOTTOM OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
14A	24"	-	GAS	METAL	2"
14B	77"	-	SD	CEMENT	36"
13	42"	-	WATER	METAL	6"
12	41"	-	GAS	METAL	8"



CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	
TITLE: COAL AVENUE STORM DRAIN REHABILITATION BUENA VISTA WATER LINE PLAN AND PROFILE STA. 64+00 TO BELL AVE.	
Design Review Committee APPROVED MAR 08 2010 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED MAR 08 2010 CITY ENGINEER
City Project No. 452291	Zone Map No. K-15,L-15
Sheet 21	Of 29



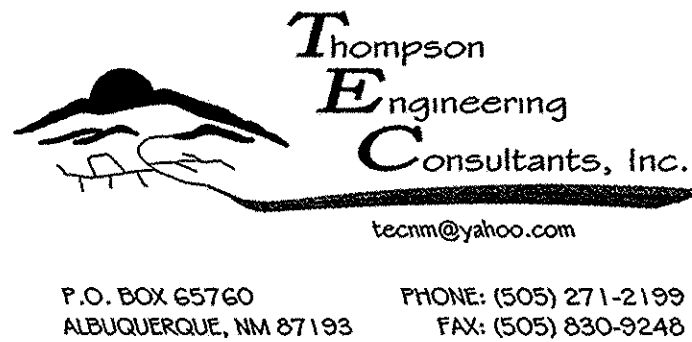
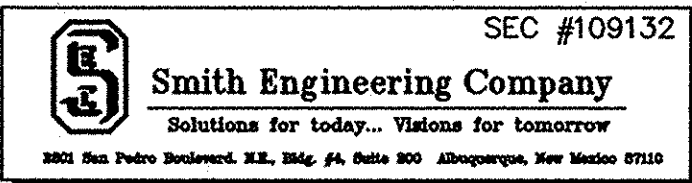
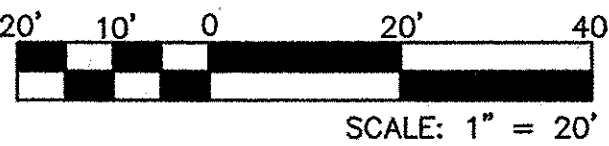
Q:\Projects\2008\COAL AVENUE STORM DRAIN REHABILITATION\Profile Buena Vista 2

KEYED NOTES:

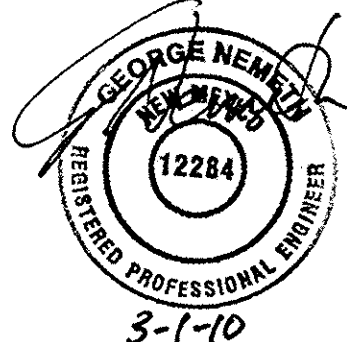
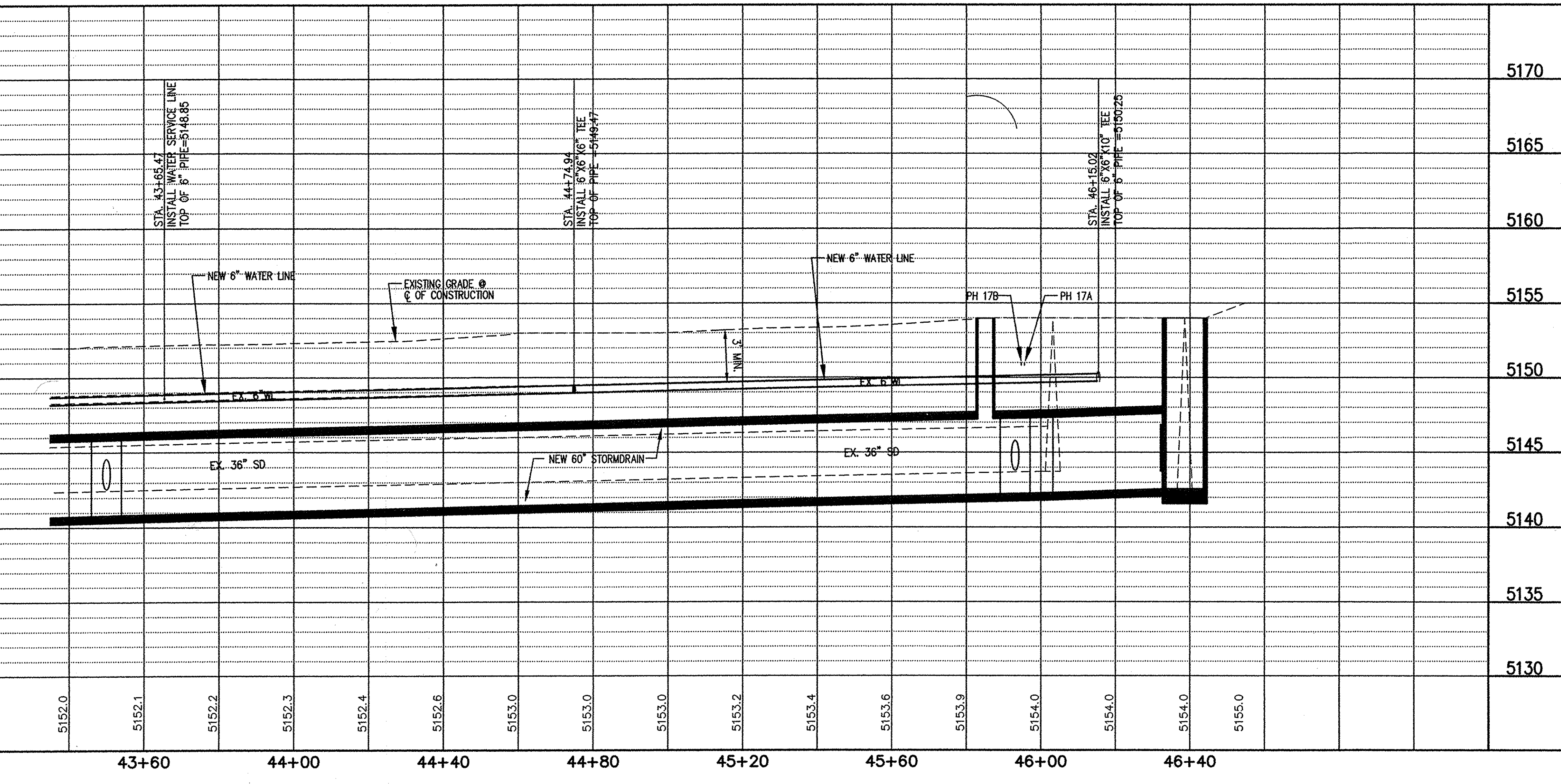
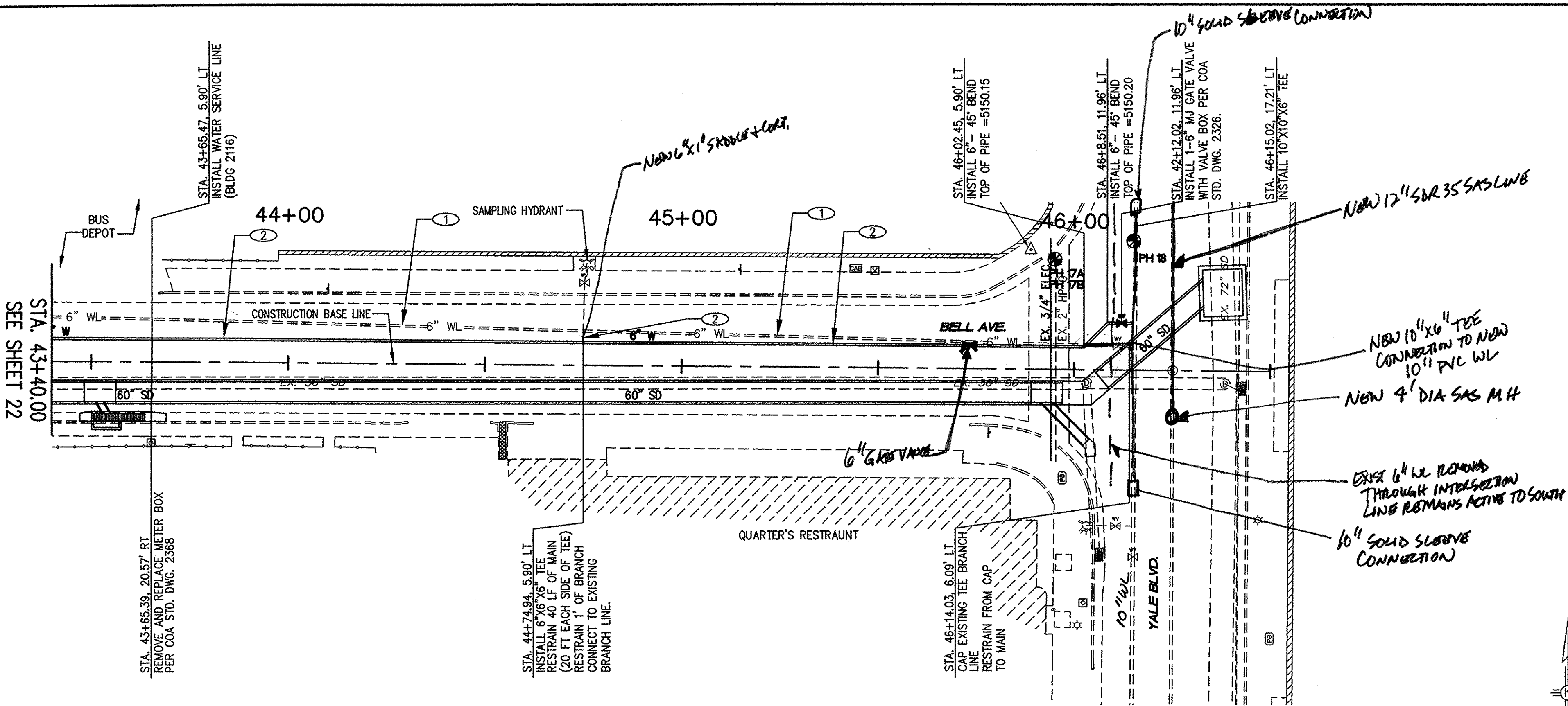
- ① SEE SHEET 4 AND 5 FOR REMOVAL AND DISPOSAL OF EXISTING 6" WATERLINE.
② INSTALL NEW 6" WATERLINE. USE PVC, C-900, DR-18 PIPE.

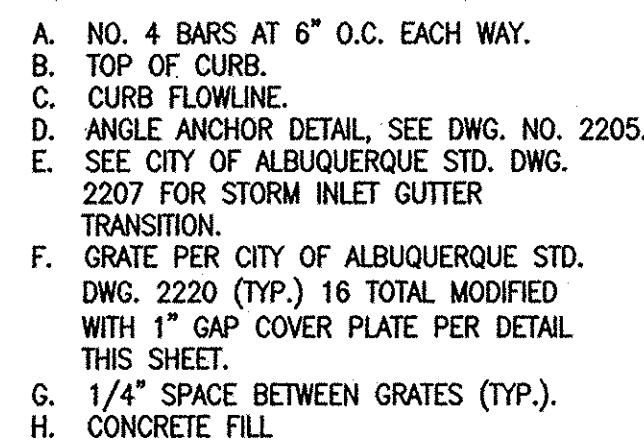
POTHOLING INFORMATION

NO.	TOP OF PIPE	BOTTOM OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
18	47"	-	WATER	METAL	6"
17A	36"	-	GAS	POLY	2"
17B	35"	-	ELEC	DB	3/4"



CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	
TITLE: COAL AVENUE STORM DRAIN REHABILITATION BELL AVE WATER LINE PLAN AND PROFILE STA. 43+40 TO YALE BLVD.	
Design Review Committee APPROVED MAR 08 2010 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED MAR 08 2010 CITY ENGINEER
Mo. / Day / Yr.	Mo. / Day / Yr.



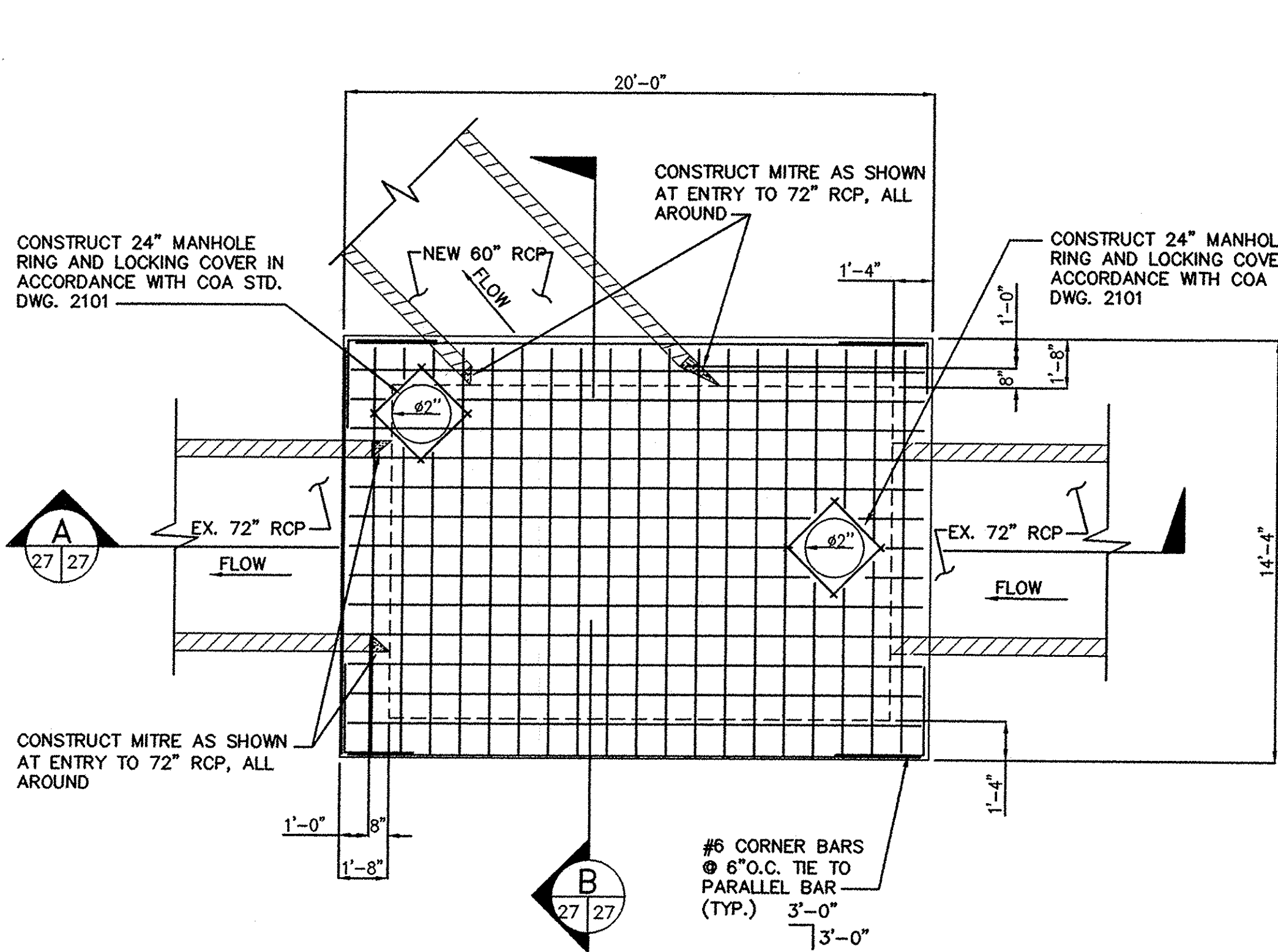


N.T.S.



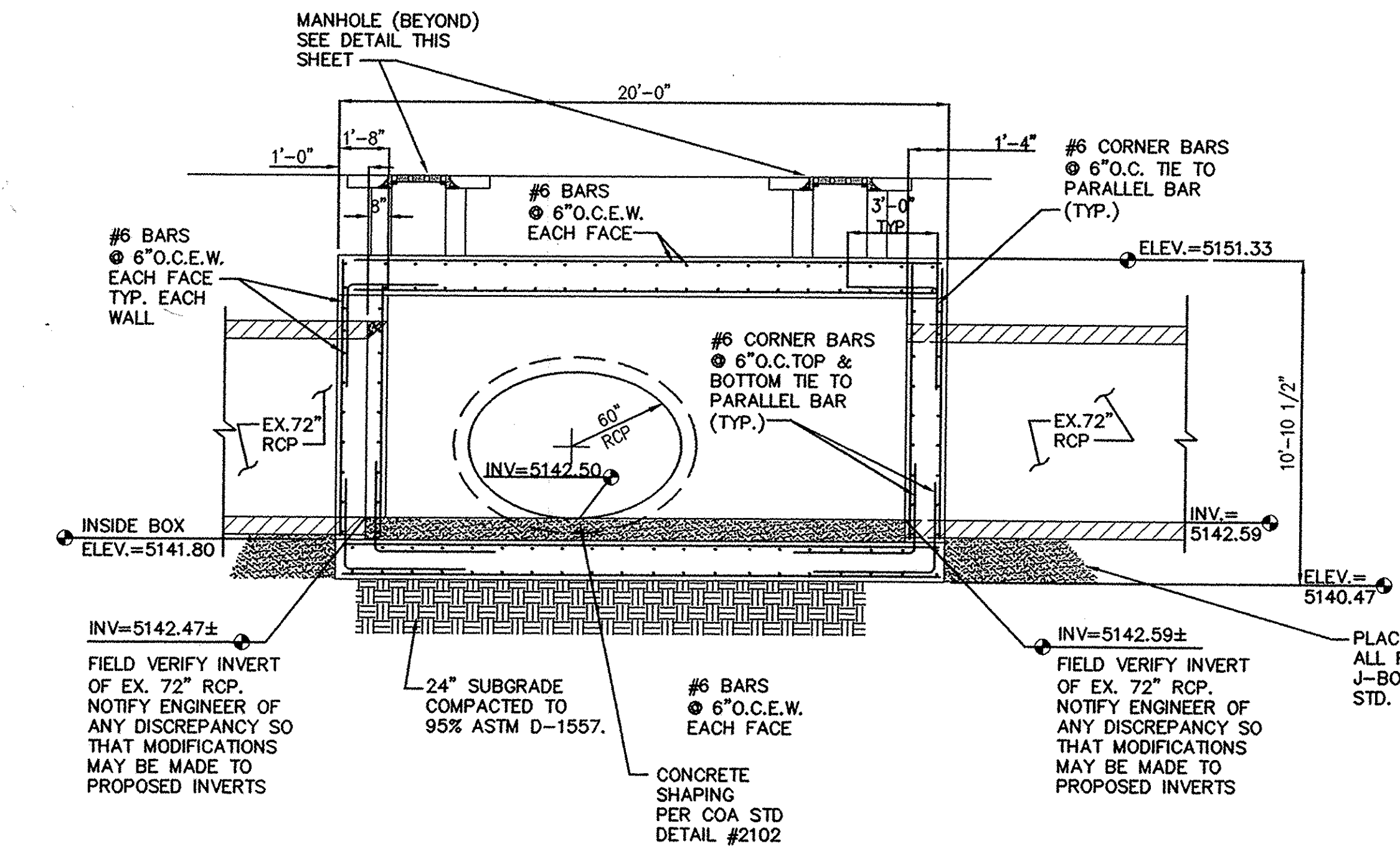
N.T.S.





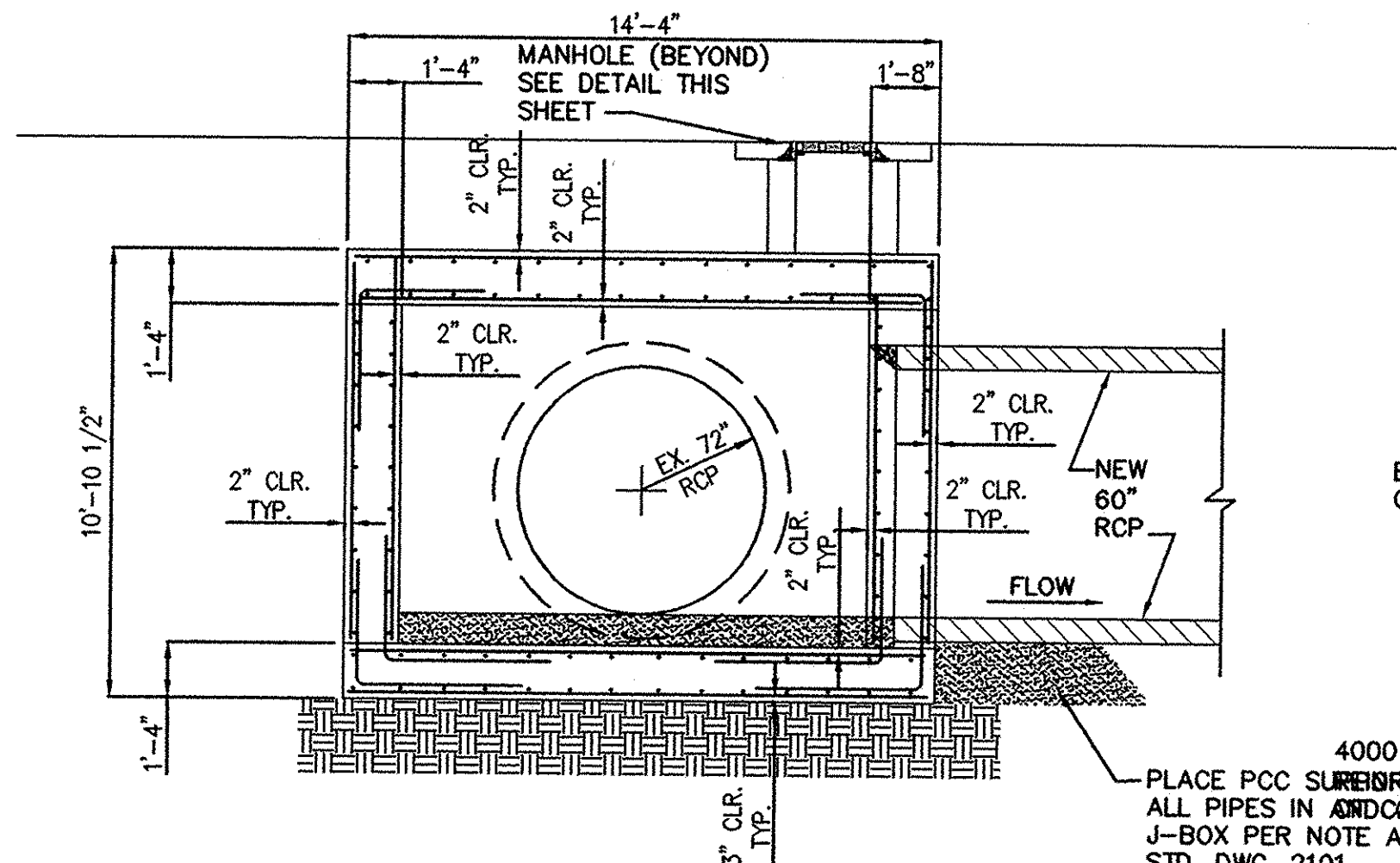
JUNCTION BOX - TOP PLAN VIEW

1/4"=1'-0"



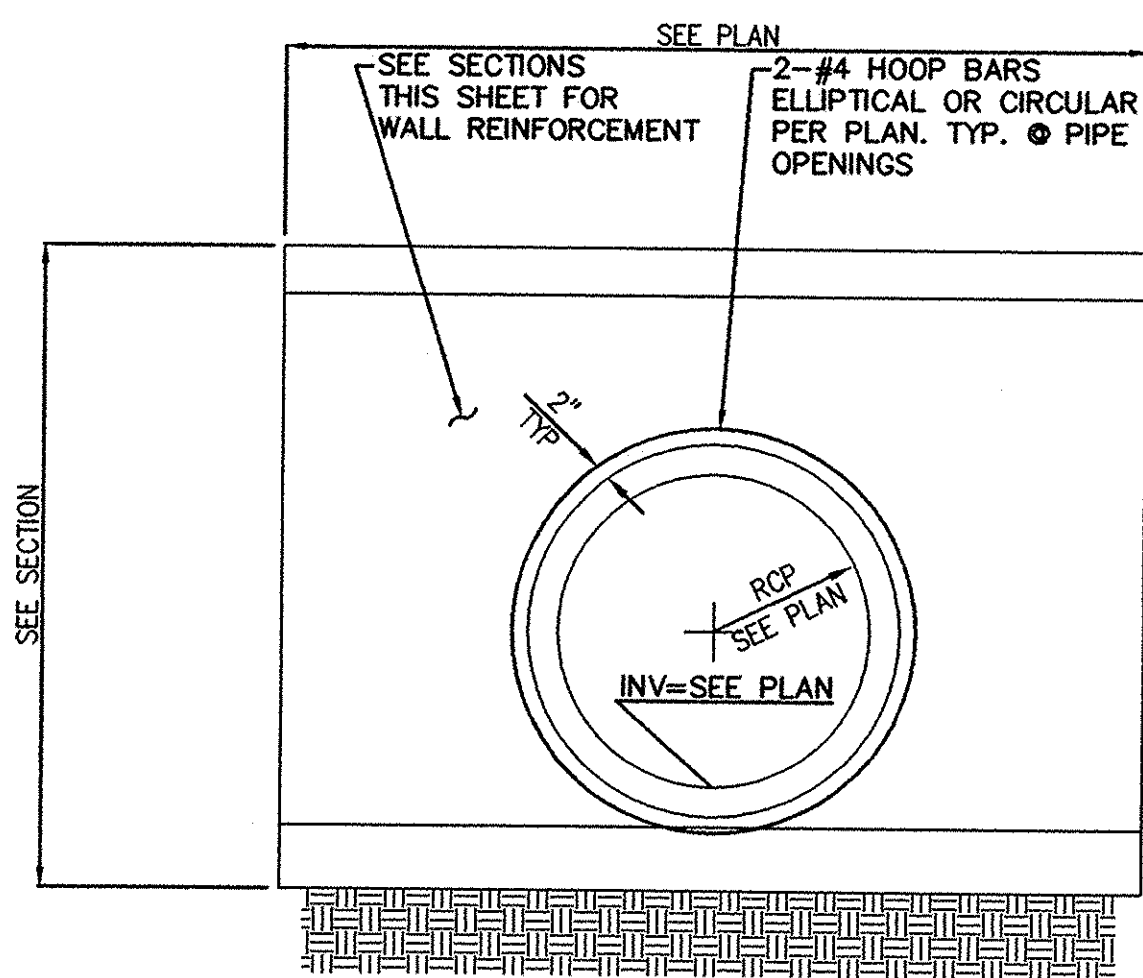
JUNCTION BOX - SECTION A

1/4"=1'-0"



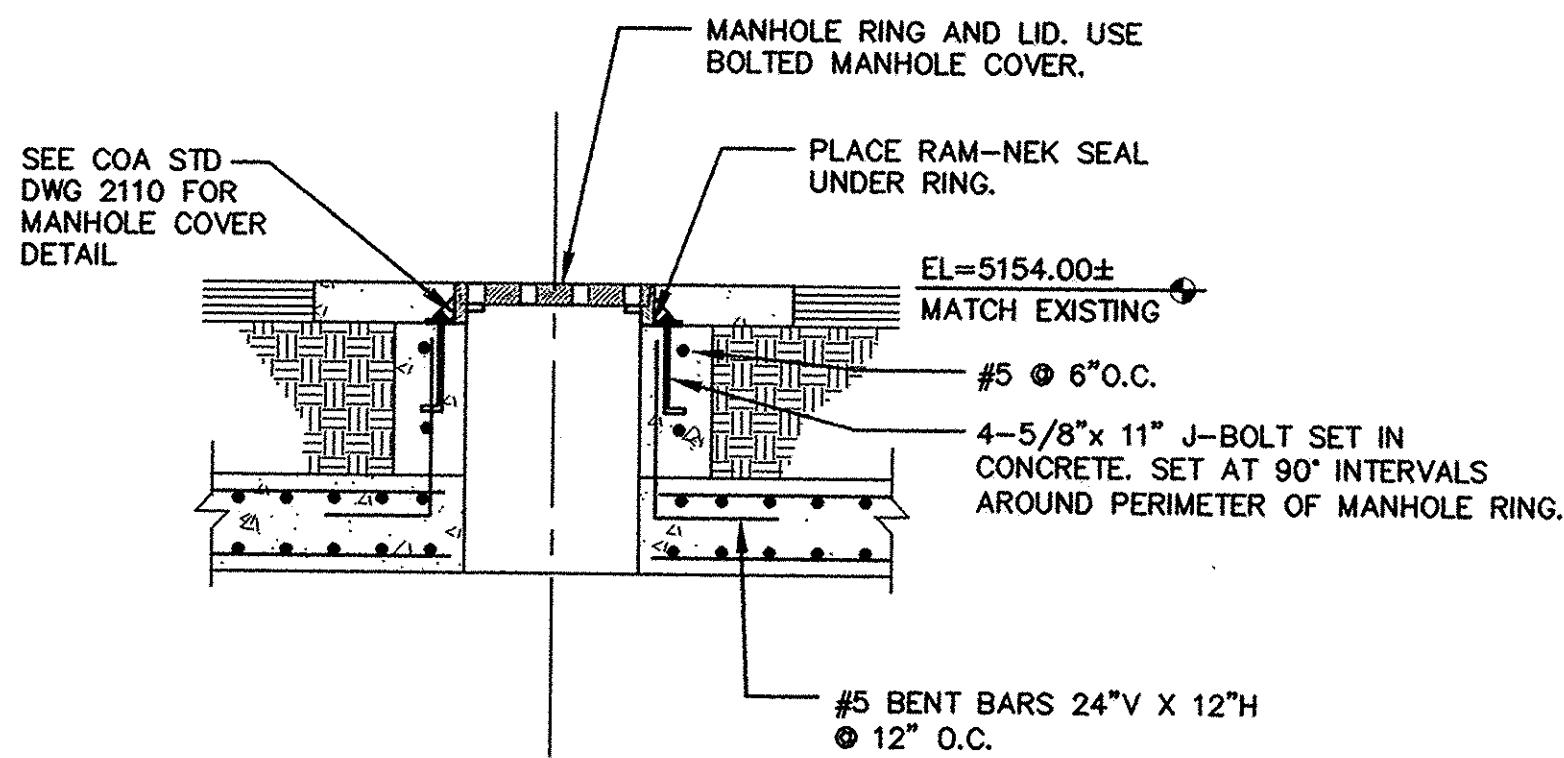
JUNCTION BOX - SECTION B

1/4"=1'-0"



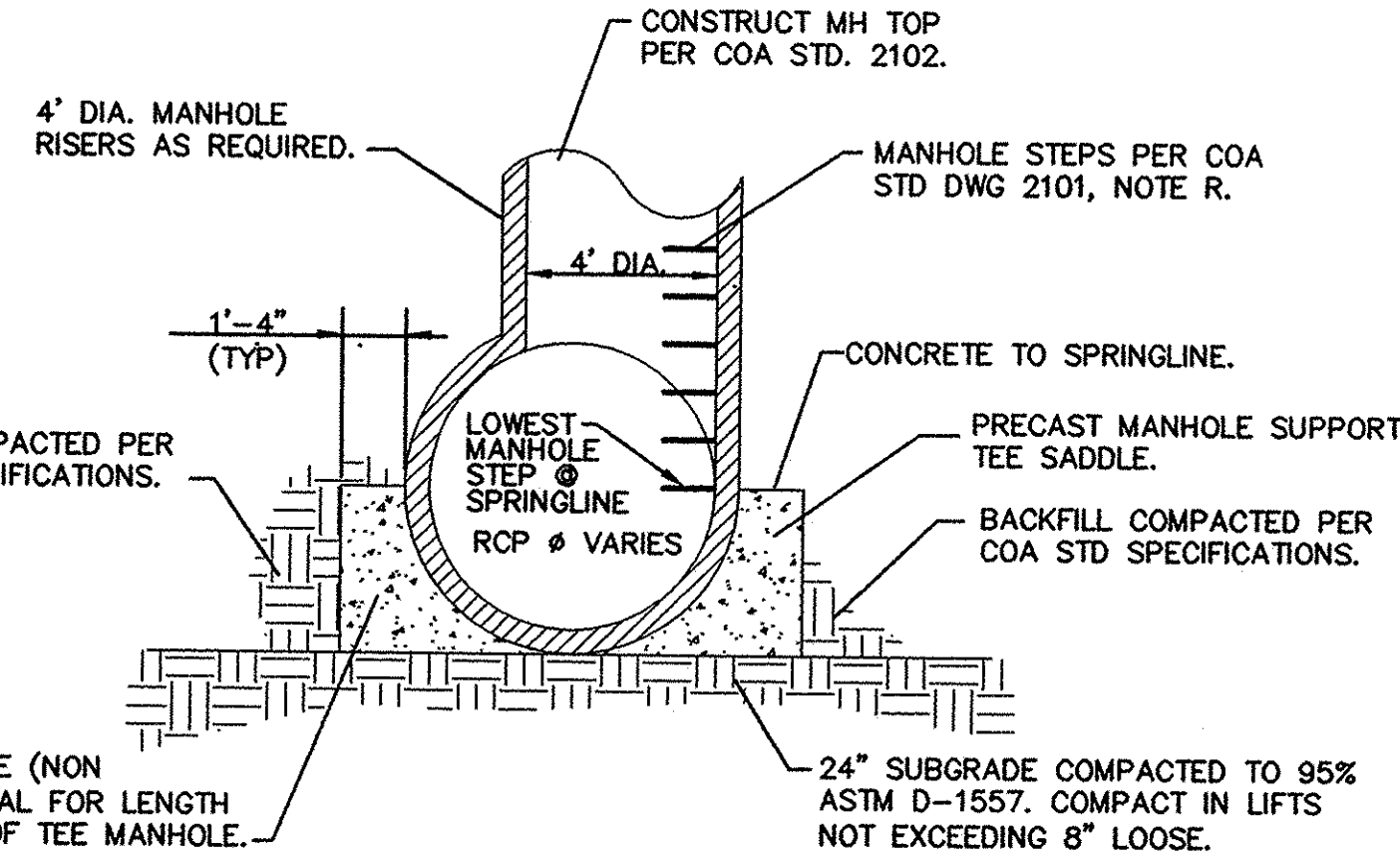
JUNCTION BOX - TYP. ADDED REINFORCEMENT AT PIPE PENETRATION

N.T.S.



MANHOLE LID TO JUNCTION BOX DETAIL

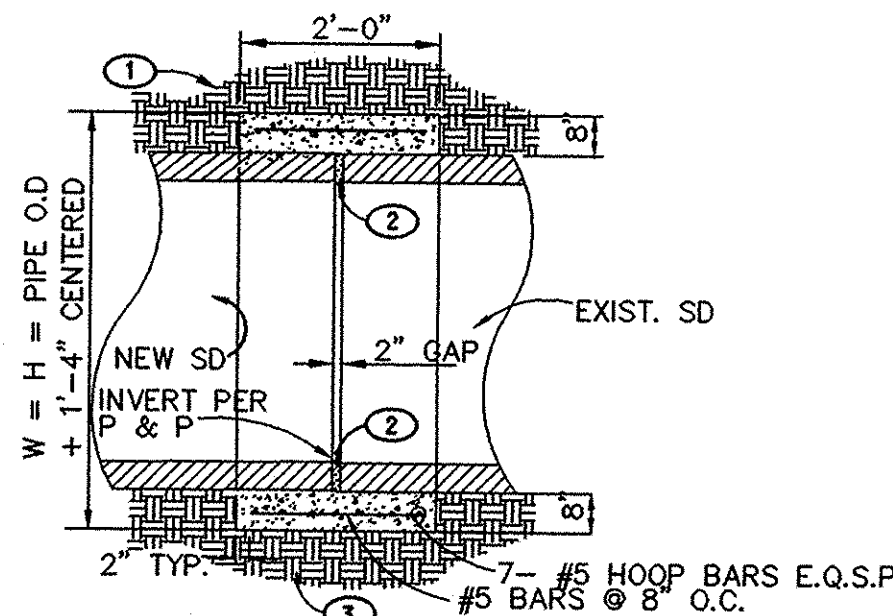
1/2"=1'-0"



STORM DRAIN TEE MANHOLE DETAIL

N.T.S.

TO BE USED ON ALL SD TEE MH'S.

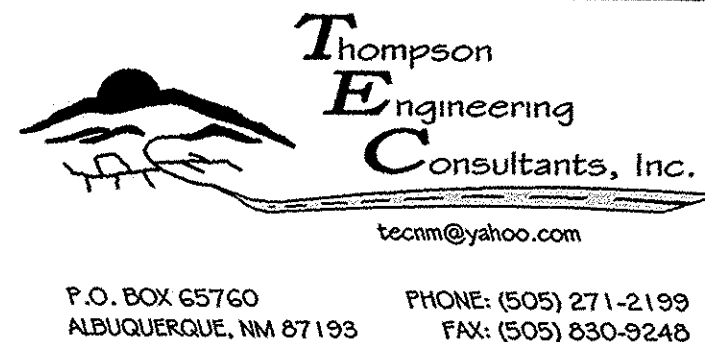
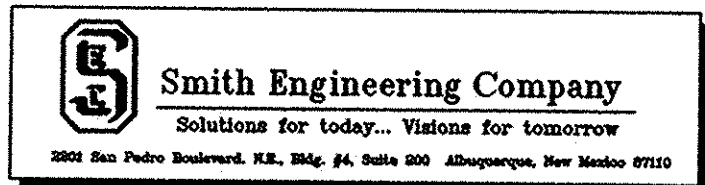


RPCC COLLAR

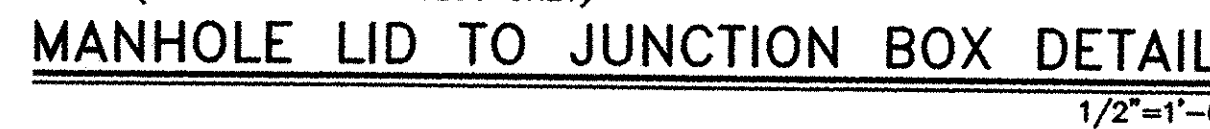
N.T.S.

KEYED NOTES

- BACKFILL AT 90% ASTM D-1557.
- FILL GAP WITH 4000 PSI NON-SHRINK GROUT.
- 12" SUBGRADE COMPACTED TO 95% ASTM D-1557.



CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	
TITLE: COAL AVENUE STORM DRAIN REHABILITATION J-BOX DETAIL YALE AT BELL AVE.	
Design Review Committee APPROVED MAR 08 2010 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED MAR 08 2010 CITY ENGINEER
City Project No. 452291	Zone Map No. K-15,L-15
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CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION			
TITLE: COAL AVENUE STORM DRAIN REHABILITATION J-BOX DETAILS YALE AT GARFIELD AVE.			
Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.
			Mo. / Day / Yr.
City Project No.	Zone Map No.	Sheet	Of
452291	K-15,L-15	27	29

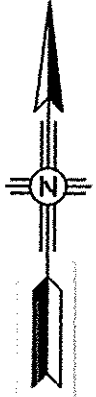
SUGGESTED
TRAFFIC CONTROL
GENERAL NOTES:

- 1. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A DETAILED TRAFFIC CONTROL PLAN (INCORPORATING THE TRAFFIC CONTROL CRITERIA LISTED BELOW) TO THE COA CONSTRUCTION COORDINATION DIVISION (924-3400). THE CONTRACTOR MUST OBTAIN APPROVAL OF THE SUBMITTED TRAFFIC CONTROL PLAN FROM THE COA CONSTRUCTION COORDINATION DIVISION PRIOR TO THE START OF CONSTRUCTION.
- 2. THE SUGGESTED TRAFFIC CONTROL PLANS SHOWN ON SHEETS 28 AND 29 ASSUMES THE PROJECT WILL BE CONSTRUCTED IN PHASES.
- 3. IF APPLICABLE, CONTRACTOR SHALL MAINTAIN OR DETOUR ALL BIKE TRAILS/PATHS DURING ALL PHASES OF CONSTRUCTION.
- 4. ALL TRAFFIC CONTROL LANE CLOSURES SHALL ABIDE BY SECTION 2800 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS (LATEST UPDATE).

SUGGESTED
TRAFFIC CONTROL
CRITERIA:

- 1. AT LEAST ONE ACCESS POINT (IN AND OUT) TO THE LOCAL BUSINESSES MUST BE MAINTAINED AT ALL TIMES.
- 2. FOUR VARIABLE MESSAGE BOARDS WILL BE REQUIRED THROUGHOUT CONSTRUCTION, MAKING THE PUBLIC AWARE OF CURRENT AND FUTURE ROAD CLOSURES.
- 3. ACCESS SIGNS FOR ALL BUSINESS AND SCHOOL LOCATIONS WILL BE REQUIRED THROUGHOUT CONSTRUCTION.
- 4. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACEMENT AND REMOVAL OF ALL TEMPORARY ASPHALT AND STRIPING ASSOCIATED WITH SUBMITTED TRAFFIC CONTROL PLANS.

TYPICAL ROADWAY CLOSURE
PER COA STD. DWG 2804 AND 2805
ALL CONSTRUCTION PHASES



SCALE: 1"=60'



SEC #109132

Smith Engineering Company

Solutions for today... Visions for tomorrow

8801 San Pedro Boulevard, N.E., Map #4, Suite 800, Albuquerque, New Mexico 87110



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ALBUQUERQUE, NM 87193 FAX: (505) 830-9248

CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION			
TITLE: COAL AVENUE STORM DRAIN REHABILITATION BELL DIVERSION SUGGESTED TRAFFIC CONTROL PLAN			
Design Review Committee	City Engineer Approval	Mo. / Day / Yr.	
FOR INFORMATION ONLY		Mo. / Day / Yr.	
City Project No. 452291		Zone Map No. K-15,L-15	Sheet 28 Of 29

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEERS SEAL			
CONTRACTOR	WORK	DATE	DATE	ACS STATION	DISK	STAMPED	20-116 1984"	NO.	BY	DATE	NO.	REMARKS	NO.	DATE	DATE
CONTRACTOR	WORK	DATE	DATE	DISK	STAMPED	20-116 1984"	IN THE TOP OF CURB AT THE MEDIAN								
CONTRACTOR	WORK	DATE	DATE	NOSE, LOCATED 2.5 MI. SE OF DOWNTOWN			ALBUQUERQUE, AT THE INTERSECTION OF								
CONTRACTOR	WORK	DATE	DATE	GRAND BLVD. AND BURTON AVE. SE			ALBUQUERQUE.								
CONTRACTOR	WORK	DATE	DATE	NAVD 1988			ELEVATION = 5210.836 FT								



COAL

YALE BLVD.

**CONSTRUCTION ZONE
PHASE 4**

**CONSTRUCTION ZONE
PHASE 2**

**CONSTRUCTION ZONE
PHASE 1**

GARFIELD

**CONSTRUCTION ZONE
PHASE 3**

SCALE: 1"=60'

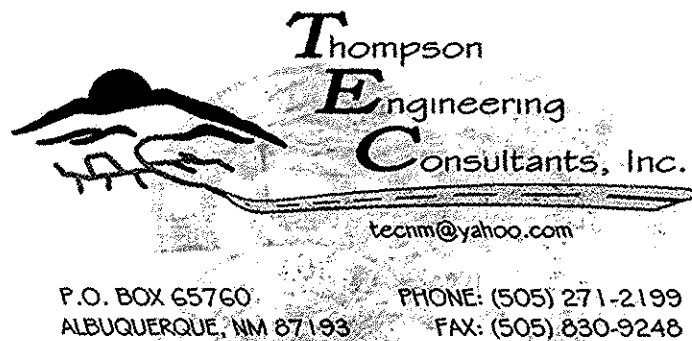
SUGGESTED
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GENERAL NOTES:

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2. THE SUGGESTED TRAFFIC CONTROL PLANS SHOWN ON SHEETS 28 AND 29 ASSUMES THE PROJECT WILL BE CONSTRUCTED IN PHASES.
3. IF APPLICABLE, CONTRACTOR SHALL MAINTAIN OR DETOUR ALL BIKE TRAILS/PATHS DURING ALL PHASES OF CONSTRUCTION.
4. ALL TRAFFIC CONTROL LANE CLOSURES SHALL ABIDE BY SECTION 2800 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS (LATEST UPDATE).

SUGGESTED
TRAFFIC CONTROL
CRITERIA:

1. AT LEAST ONE ACCESS POINT (IN AND OUT) TO THE LOCAL BUSINESSES MUST BE MAINTAINED AT ALL TIMES.
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**TYPICAL ROADWAY CLOSURE
PER COA STD. DWG 2804 AND 2805
ALL CONSTRUCTION PHASES**



CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION			
TITLE: COAL AVENUE STORM DRAIN REHABILITATION HARVARD DIVERSION SUGGESTED TRAFFIC CONTROL PLAN			
Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.
			Mo. / Day / Yr.
			Mo. / Day / Yr.
			Mo. / Day / Yr.
			Mo. / Day / Yr.
FOR INFORMATION ONLY			
City Project No. 452291	Zone Map No. K-15,L-15	Sheet 29	Of 29