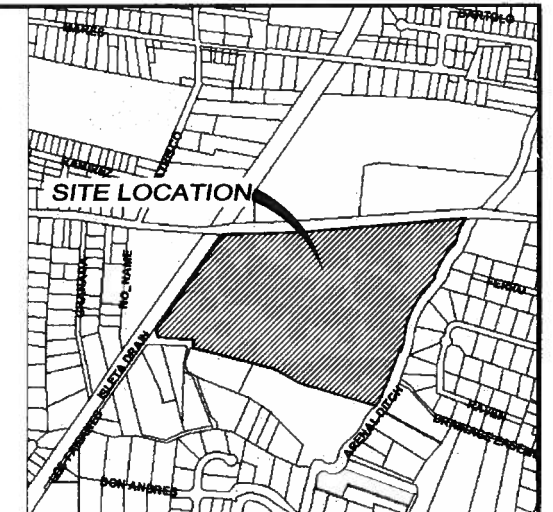
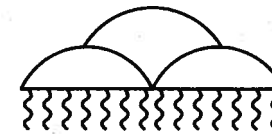


APS
CONSTRUCTION PLANS
FOR



VICINITY MAP
ZONE ATLAS MAP NO. M-11

**SOUTHWEST VALLEY
STORM DRAIN IMPROVEMENTS
RIO GRANDE HIGH SCHOOL
2300 ARENAL RD SW
ALBUQUERQUE, NM 87105**

INDEX

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CERTIFICATE OF SUBSTANTIAL COMPLIANCE OF PLANS

I, Christopher A. Pera of the firm Wilson & Company, a Registered Professional Engineer in the State of New Mexico, NMPE Number 13686, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications and the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction.

		ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY	
		SOUTHWEST VALLEY STORM DRAIN IMPROVEMENTS	
		COVER SHEET	
DESIGN	TJA	WCEA NO. 08600018	DATE MAY 2009
DRAWN	JEL	PROJECT NO. 6909.82	SHEET NO. 1 OF 14
CHECK	TJA		

GENERAL NOTES:

1. ALL IMPROVEMENTS, UNLESS OTHERWISE MODIFIED IN THE PROJECT SPECIFICATIONS, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION, EXCEPT WHERE OTHERWISE NOTED IN THE DRAWINGS. MEASUREMENT AND PAYMENT SHALL BE IN ACCORDANCE WITH THE BID FORM AND THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. STANDARD DRAWINGS: REFER TO STANDARD DRAWINGS FOR THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION UNLESS OTHERWISE NOTED.
3. THE CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF PROJECT CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
4. NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT THE WRITTEN APPROVAL OF THE OWNER, ENGINEER AND ALL APPROVAL SIGNATORIES. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION METHODS OR TECHNIQUES OR FOR THE PROSECUTION OF THE WORK AS SHOWN ON THESE PLANS. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR OTHER PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS.
5. UNLESS OTHERWISE PROVIDED AS PART OF THE CONSTRUCTION PLANS, A COMPLETE TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR WHEN ANY PORTION OF THE WORK IS IN THE PUBLIC RIGHT-OF-WAY OR AFFECTING ON-SITE VEHICLE OR PEDESTRIAN CIRCULATION. ALL CONSTRUCTION SIGNING, BARRICADING AND CHANNELIZATION SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION. THE PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL FOR ON-SITE CONSTRUCTION. TRAFFIC CONTROL WITHIN THE CITY/COUNTY RIGHT-OF-WAY SHALL DEFAULT TO THE CITY/COUNTY TRAFFIC DEPARTMENT FOR APPROVAL. THE CONTRACTOR SHALL NOT IMPLEMENT THE TRAFFIC CONTROL PLAN UNTIL APPROVAL OF THE PLAN HAS BEEN RECEIVED FROM THE AUTHORITY. THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO AND APPROVED BY THE ABCWUA OR ENGINEER.
6. THE CONTRACTOR SHALL DESIGNATE AT LEAST ONE EMERGENCY CONTACT PERSON, AND SHALL PROVIDE TELEPHONE NUMBERS WHERE THIS PERSON CAN BE CONTACTED AT ANY TIME, INCLUDING WEEKENDS, HOLIDAYS AND AFTER HOURS. THIS INFORMATION SHALL BE PROVIDED TO THE OWNER AND THE ENGINEER.
7. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS FROM ALL JURISDICTIONAL AUTHORITIES PRIOR TO START OF CONSTRUCTION. PERMIT COSTS ARE INCIDENTAL TO BASE BID.
8. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY, HEALTH, AND ENVIRONMENTAL PROTECTION.
9. EXISTING SITE IMPROVEMENTS WHICH ARE DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE. REPAIRS SHALL BE APPROVED BY THE OWNER PRIOR TO CONSTRUCTION OF THE REPAIRS. REPAIRS SHALL BE ACCEPTED BY THE OWNER PRIOR TO FINAL PAYMENT.
10. THE CONTRACTOR SHALL USE THE DESIGNATED STAGING AREAS FOR STORAGE OF EQUIPMENT AND MATERIAL. NO MATERIAL OR EQUIPMENT MAY BE STORED OR LEFT ON-SITE AT ANY OTHER LOCATION. THE OWNER ASSUMES NO LIABILITY FOR CONTRACTOR'S EQUIPMENT AND MATERIAL IN THE STAGING AREA. SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IF NO STAGING AREA IS DESIGNATED ON THESE PLANS, AN OFF-SITE STAGING AREA SHALL BE PROVIDED AT THE CONTRACTOR'S EXPENSE, OR THE CONTRACTOR MAY NEGOTIATE WITH THE OWNER TO USE AN ON-SITE AREA.
11. ALL STATIONING REFERS TO THE CENTERLINE OF THE RIGHT-OF-WAY UNLESS OTHERWISE NOTED. STATIONING OF CHANNELS OR PIPES IN DRAINAGE EASEMENTS REFERS TO THE CENTERLINE OF CHANNEL OR PIPE, UNLESS OTHERWISE NOTED.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING, IN ADVANCE OF HIS/HER CONSTRUCTION OPERATIONS, IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYS, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION IS EVIDENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
13. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UNDERGROUND UTILITY CONFLICTS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

14. **UTILITY IRRIGATION ALLOWANCE** CONTRACTOR SHALL INCLUDE A UTILITY ALLOWANCE OF \$35,000.00 AS PART OF THE BASE BID. UTILITY ALLOWANCE IS INTENDED TO COVER THAT WORK WHICH IS NOT KNOWN DUE TO COVERED AND UNFORESEEN UNDERGROUND UTILITY CONFLICTS. CONTRACTOR SHALL BE REQUIRED TO PROVIDE A DETAILED SCOPE OF WORK AND COST FOR REVIEW BY OWNERS REPRESENTATIVE PRIOR TO PROCEEDING. PROVISIONS OF ALLOWANCE DOES NOT GUARANTEE FULL AMOUNT TO CONTRACTOR. ONLY THAT PORTION OF MONEY USED FOR INTENDED PURPOSES WILL BE EXPENDED.
15. **AS-BUILTS:** CONTRACTOR SHALL DELIVER FINAL CERTIFIED AS-BUILTS IN HARD COPY AND ACAD R2005 OR BETTER. AS-BUILTS SHALL BE SUBMITTED WITH SUBSTANTIAL COMPLETION PAY APPLICATION. NO PAYMENT WILL BE MADE WITHOUT AS-BUILT SUBMITTAL.
16. **SCHEDULE:** THE CONTRACTOR SHALL PREPARE AND SUBMIT A CRITICAL PATH METHOD (CPM) SCHEDULE PRIOR TO COMMENCEMENT OF PROJECT CONSTRUCTION. THE CPM SCHEDULE SHALL CLEARLY IDENTIFY A WORK BREAKDOWN STRUCTURE THAT DETERMINES THE TOTAL PROJECT DURATION, EARLY ACTIVITY START AND FINISH, LATE ACTIVITY START AND FINISH, EARLY AND LATE EVENT OCCURRENCE TIME, SHALL ALL BE IDENTIFIED IN THE CPM SCHEDULE. CPM SCHEDULE SHALL BE UPDATED MONTHLY AND DISTRIBUTED IN HARD COPY TO OWNER AND PROJECT ENGINEER. OWNER RETAINS OWNERSHIP OF TOTAL FLOAT AND FREE FLOAT WHEN NOT USED BY CONTRACTOR AND NO ADDITIONAL PAYMENTS WILL BE MADE. CONTRACTOR SHALL DETAIL ELECTRICAL PARKING LOT ITEMS IN CPM SCHEDULE. COORDINATE WITH OWNER'S ELECTRICAL CONTRACTOR DTS. CPM SCHEDULE DEVELOPMENT AND MAINTENANCE SHALL BE PAID UNDER BID ITEM 40.

EROSION CONTROL/ENVIRONMENTAL PROTECTION/STORM WATER POLLUTION PREVENTION PLAN:

1. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST AND EROSION CONTROL REGULATIONS. THE CONTRACTOR SHALL PREPARE AND OBTAIN ANY NECESSARY DUST OR EROSION CONTROL PERMITS FROM REGULATORY AGENCIES.
2. THE CONTRACTOR SHALL PROMPTLY REMOVE ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY TO KEEP IT FROM WASHING OFF THE PROJECT SITE.
3. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO OTHER PROPERTY BY CONSTRUCTING TEMPORARY EROSION CONTROL BERMS OR INSTALLING SILT FENCES AT THE PROPERTY LINES AS INDICATED ON THE STORM WATER POLLUTION PREVENTION PLAN.
4. THE CONTRACTOR SHALL MITIGATE EROSION OF TEMPORARY OR PERMANENT DIRT SWALES BY INSTALLING CHECK DAMS IN THE SWALES PERPENDICULAR TO THE DIRECTION OF FLOW, AND AT INTERVALS SPECIFIED ON THE STORM WATER POLLUTION PREVENTION PLAN.
5. THE CONTRACTOR SHALL WET THE SOIL AS NEEDED TO KEEP IT FROM BLOWING, WATERING, AS REQUIRED FOR CONSTRUCTION AND DUST CONTROL, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO MEASUREMENT OR PAYMENT SHALL BE MADE THEREFOR. CONSTRUCTION AREAS SHALL BE WATERED FOR DUST CONTROL IN COMPLIANCE WITH GOVERNMENT ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND SUPPLYING WATER AS REQUIRED.
6. ANY AREAS DISTURBED BY CONSTRUCTION AND NOT COVERED BY LANDSCAPING OR ANY IMPERVIOUS SURFACE SHALL BE REVEGETATED WITH NATIVE GRASS SEEDING. WHEN CONSTRUCTION ACTIVITIES CEASE AND EARTH DISTURBING ACTIVITIES WILL NOT RESUME WITHIN 21 DAYS, STABILIZATION MEASURES MUST BE INITIATED. UNLESS INDICATED OTHERWISE ON THESE PLANS OR ON THE LANDSCAPING PLAN, NATIVE GRASS SEEDING SHALL BE CLASS A SEEDING PER SECTION 101 AND 102 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. COST IS INCIDENTAL TO BASE BID.
7. ALL WASTE PRODUCTS FROM THE CONSTRUCTION SITE, INCLUDING ITEMS DESIGNATED FOR REMOVAL CONSTRUCTION WASTE, CONSTRUCTION EQUIPMENT WASTE PRODUCTS (OIL, GAS, TIRES, ETC.) GARBAGE, GRUBBING, EXCESS CUT MATERIAL, VEGETATIVE DEBRIS, ETC. SHALL BE APPROPRIATELY DISPOSED OF OFF-SITE AT NO ADDITIONAL COST TO THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMITS REQUIRED FOR HAUL OR DISPOSAL OF WASTE PRODUCTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE WASTE DISPOSAL SITE COMPLIES WITH GOVERNMENT REGULATIONS REGARDING THE ENVIRONMENT, ENDANGERED SPECIES AND ARCHAEOLOGICAL RESOURCES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP AND REPORTING OF SPILLS OF HAZARDOUS MATERIALS ASSOCIATED WITH THE CONSTRUCTION SITE. HAZARDOUS MATERIALS INCLUDE GASOLINE, DIESEL FUEL, MOTOR OIL, SOLVENTS, CHEMICALS, PAINTS, ETC. WHICH MAY BE A THREAT TO THE ENVIRONMENT. THE CONTRACTOR SHALL REPORT THE DISCOVERY OF PAST OR PRESENT SPILLS TO THE NEW MEXICO ENVIRONMENT DEPARTMENT EMERGENCY RESPONSE AT 1-(505)-827-9329.
9. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING SURFACE AND UNDERGROUND WATER. CONTACT WITH SURFACE WATER BY CONSTRUCTION EQUIPMENT AND PERSONNEL SHALL BE MINIMIZED. EQUIPMENT MAINTENANCE AND REFUELING OPERATIONS SHALL BE PERFORMED IN AN ENVIRONMENTALLY SAFE MANNER IN COMPLIANCE WITH GOVERNMENT REGULATIONS.

10. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING CONSTRUCTION NOISE AND HOURS OF OPERATION.
11. WHERE STORM INLETS ARE SUSCEPTIBLE TO IN FLOW OF SILT OR DEBRIS FROM CONSTRUCTION ACTIVITIES, PROTECTION SHALL BE INSTALLED ON THEIR UPSTREAM SIDE.
12. THE CONTRACTOR SHALL PREPARE AND MAINTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ON-SITE AT ALL TIMES, AND SHALL COMPLY WITH THE REQUIREMENTS INDICATED ON THAT PLAN. COST SHALL BE PAID UNDER BID ITEM 33.

ROADS:

1. ALL UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO SURFACING OF THE STREETS. ALL WATER VALVE BOXES AND ELECTRICAL, TELEPHONE, TELEVISION AND SEWER MANHOLES IN THE CONSTRUCTION AREA SHALL BE ADJUSTED TO FINISH GRADE.
2. ALL PERMANENT SIGNS, BARRICADES, CHANNELIZATION DEVICES, PAVEMENT MARKINGS, SIGN FRAMES AND ERECTION OF SUCH DEVICES SHALL CONFORM TO THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" LATEST EDITION.
3. ALL STREET STRIPING ALTERED OR DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR TO MATCH THE ORIGINAL CONDITIONS (I.E. TYPE, SPACING) AT THE LOCATION PRIOR TO CONSTRUCTION, OR AS SHOWN IN THIS PLAN SET.
4. STREET GRADES SHALL BE RESTORED BY THE CONTRACTOR TO THE EXISTING GRADES UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SMOOTH TRANSITIONS SHALL BE MADE BETWEEN EXISTING PAVEMENT WHICH REMAINS IN PLACE AND PAVEMENT WHICH IS REPLACED. WHEN ABUTTING NEW PAVEMENT TO EXISTING, SAWCUT BACK EXISTING PAVEMENT TO A NEAT, STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT.

UTILITIES-GENERAL NOTE:

1. IF ANY UTILITY LINES, PIPELINES OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE LOCATION ONLY, AND LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE UTILITY OWNER OR FROM EXISTING PLANS, AND THIS INFORMATION MAY BE INCOMPLETE, OR OBSOLETE AT THE TIME OF CONSTRUCTION. THE ENGINEER HAS NOT UNDERTAKEN ANY FIELD VERIFICATION OF THESE LOCATIONS, LINE SIZES OR MATERIAL TYPE, MAKES NO REPRESENTATION THEREON, AND ASSUMES NO RESPONSIBILITY ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE OR UNDERGROUND INSTALLATION IN OR NEAR THE AREA IN ADVANCE OF ANY DURING ANY EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES AND UNDERGROUND FACILITIES. IN PLANNING AND CONDUCTING EXCAVATIONS, THE CONTRACTOR SHALL COMPLY WITH ALL STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
2. THE CONTRACTOR SHALL NOTIFY NEW MEXICO ONE CALL, INC. AT 280-1990 AT LEAST TWO WORKING DAYS PRIOR TO STARTING WORK ON THIS PROJECT.
3. SEWER/WATER LINES SHALL BE PLACED IN SEPARATE TRENCHES A DISTANCE OF 15 FEET TYPICALLY OR A MINIMUM OF 10 FEET APART HORIZONTALLY. THE WATER LINE SHALL BE PLACED A MINIMUM OF 1.5 FEET HIGHER IN ELEVATION THAN THE SEWER. AT ALL CROSSINGS OF WATER AND SEWER LINES, THE WATER LINE SHALL BE MINIMUM OF 1.5 HIGHER THAN THE SEWER OR THE SEWER LINE SHALL BE C-900 PRESSURIZED PIPE.
4. SEWER & WATER LINE DISTANCES SHOWN IN PLANS ARE HORIZONTAL DISTANCES WITHOUT REGARD TO SLOPE OF PIPE OR PROJECT STATIONING.

WATER:

1. THE CONTRACTOR MUST OBTAIN WRITTEN APPROVAL FROM THE ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY (ABCWUA) TO OPERATE ANY VALVE OR FIRE HYDRANT INCLUDING NEW WATERLINES AND EXTENSIONS TO THE WATER SYSTEM WHICH HAVE NOT YET BEEN ACCEPTED BY ARE CONNECTED TO THE EXISTING WATER SYSTEM. ONCE APPROVAL HAS BEEN VERIFIED, THE CONTRACTOR MUST CONTACT ABCWUA, 48 HOURS IN ADVANCE TO REQUEST A SHUTOFF DATE. WATER SHUT OFF MAY BE DONE AT NIGHT OR ON WEEKENDS TO ACCOMMODATE WATER CUSTOMERS.
2. WATER LINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 4.0 FT. COVER MEASURED FROM FINISH GRADE TO THE TOP OF PIPE, UNLESS OTHERWISE SPECIFIED ON PLANS.
3. FOR PRESSURE WATER CONNECTIONS TO EXISTING LINES, THE CONTRACTOR SHALL NOTIFY THE ABCWUA A MINIMUM OF 48 HOURS PRIOR TO THE CONNECTION.
4. CONCRETE THRUST BLOCKS SHALL BE USED ON ALL 90 DEGREE BENDS, TEES TO HYDRANTS, BEHIND HYDRANTS AND UNDER VALVES. ALL FITTINGS AND CAPS SHALL USE MEGA LUG RESTRAINTS. NO EXTRA PAYMENT WILL BE MADE FOR THESE FEATURSES.
5. COMPRESSION JOINTS MAY BE USED ON COPPER SERVICE LINES EXCEPT FLARED JOINTS SHALL BE USED WHEN CONNECTING TO PLASTIC LINES.
6. THE 24" DEPTH OF SERVICE LINE BELOW FINISH SURFACE ELEVATION OF METER BOXES IS CRITICAL. METERS WILL NOT BE INSTALLED WHEN THIS DIMENSION VARIES.
7. VALVE BOXES SHALL BE BROUGHT TO SURFACE ELEVATION UPON COMPLETION OF SURFACE COURSE OF PAVEMENT. OCTAGONAL CONCRETE COLLARS SHALL BE CONSTRUCTED TO SURFACE ELEVATIONS.
8. FLUSHING OF WATER LINES SHALL BE METERED. ORDER OF PREFERENCE FOR DISPOSAL IS (1) ON AVAILABLE LAND SURFACE (2) IN STORM SEWERS OR (3) IN SANITARY SEWERS. DISPOSAL METHOD SHALL BE DISCUSSED WITH INSPECTOR.
9. FLUSHING, DISINFECTING AND TESTING OF WATERLINES SHALL BE COORDINATED WITH ABCWUA UTILITY INSPECTOR.
10. 8" PVC WATERLINE SHALL BE CLASS C900 DR-18.

SEWER:

1. 30 DAYS FOLLOWING INSTALLATION AND BACKFILL OF SEWER LINES, A DEFLECTION TEST USING A HAND PULLED MANHOLE SHALL BE PERFORMED IN THE PRESENCE OF THE INSPECTOR.
2. AIR TESTING OF SEWER LINES SHALL BE CONDUCTED IN THE PRESENCE OF INSPECTOR.
3. MANHOLES SHALL MEET APWA STANDARDS EXCEPT THERE SHALL BE NO LADDER RUNGS INSTALLED. MANHOLES AND INLETS ON STORM SEWER SYSTEMS TO REQUIRE STEPS.

UTILITY CONTACTS



COMPANY	PHONE	MOBILE	CONTACT
ABCWUA	768-2729		NANCY MUSINSKI
PNM - ELECTRIC	241-3421		CHRIS BUDD
PNM - GAS	241-7771		JOE DUNLOP
QWEST	245-8530		DON DAVALOS
COMCAST	761-6235		MIKE MARTIS
NM ONE CALL	260-1990		N/A

IRRIGATION:

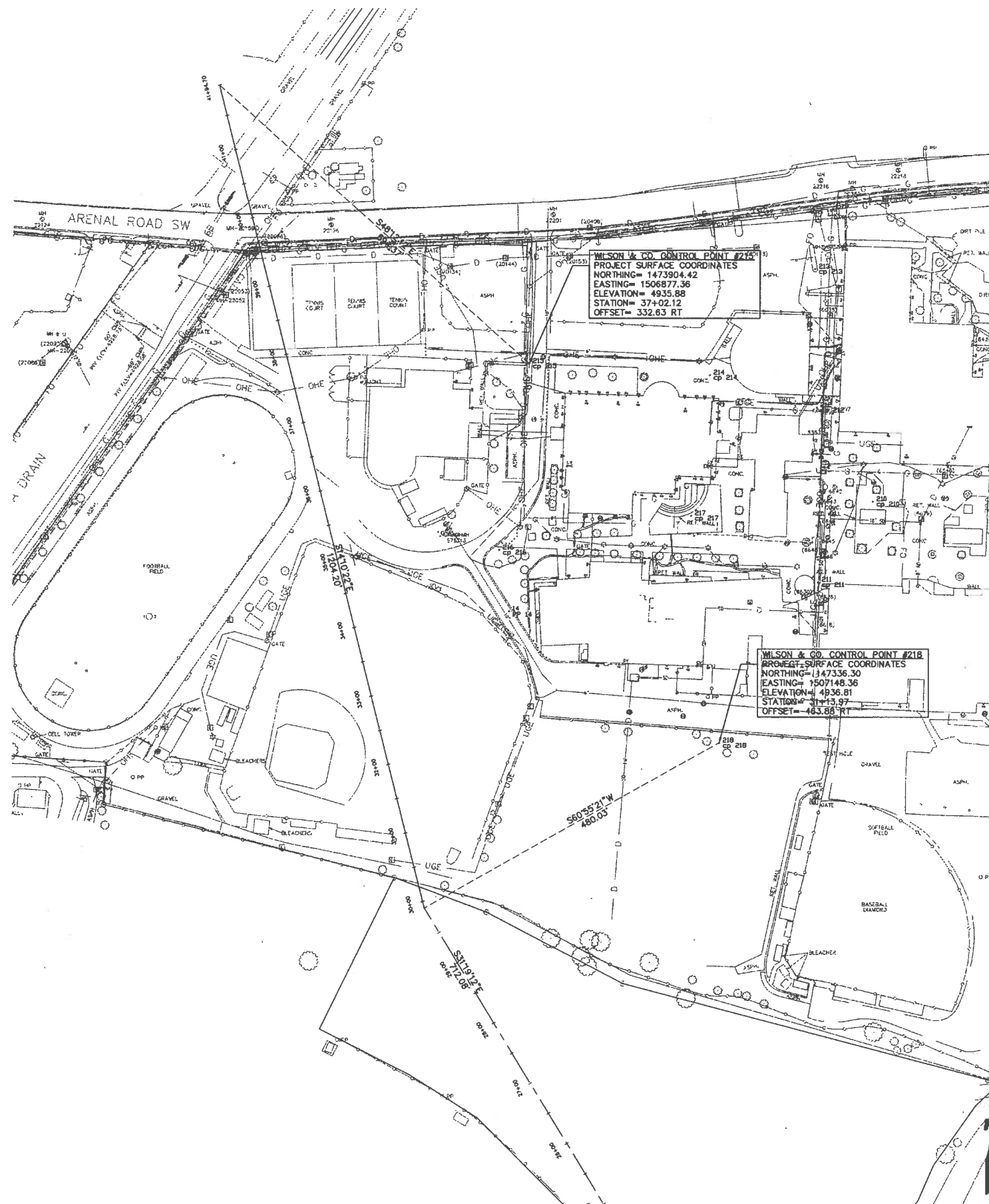
1. ALL IRRIGATION LINES TO BE COORDINATED WITH JERRY LEE EBNER APS (505) 975-0070 TWO DAYS PRIOR TO ANY CONSTRUCTION OR INTERRUPTION OF IRRIGATION.
2. IRRIGATION AND/OR WATERING BY TRUCK WILL NEED TO BE MAINTAINED DURING CONSTRUCTION. PAID THROUGH IRRIGATION ALLOWANCE ITEM.
3. DAMAGE TO ANY IRRIGATION LINE WILL NEED TO BE REPLACED AND OPERATIONAL. PAID AS IRRIGATION ALLOWANCE ITEM.
4. ANY LINE THAT IS CUT, DAMAGED, OR INTERRUPTION OF IRRIGATION LINE WILL NEED TO BE DISCUSSED WITH JERRY LEE EBNER APS (505) 975-0070 TO COORDINATE WHICH SYSTEM WILL BE AFFECTED AND HOW IRRIGATION AND WATERING WILL CONTINUE DURING CONSTRUCTION. THE COST IS PAID AS IRRIGATION ALLOWANCE ITEM.
5. UNDER NO CIRCUMSTANCES, SHALL ANY BALL FIELD WATERING BE INTERRUPTED THROUGHOUT THE PROJECT CONSTRUCTION. THE EXISTING SOD AND GRADING CONDITIONS OF ALL BALL FIELDS MUST BE MAINTAINED PRIOR TO PROJECT ACCEPTANCE.

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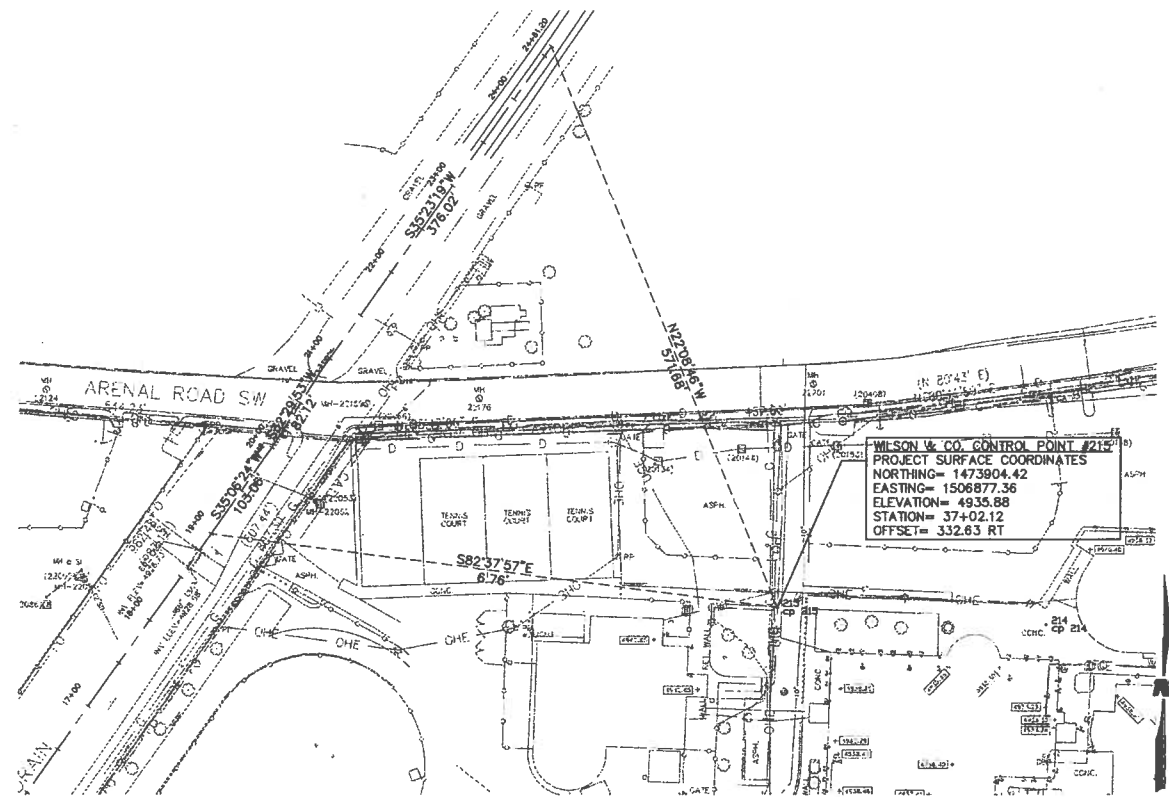
		ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY			
WILSON & COMPANY 4900 LANG AVE., N.E. SUITE 200 ALBUQUERQUE, NEW MEXICO 87109 PH (505) 348-4000 FAX (505) 348-4072 www.wilsonco.com		SOUTHWEST VALLEY STORM DRAIN IMPROVEMENTS			
GENERAL NOTES					
DESIGN	TJA	WCEA NO.	08600018	DATE	MAY 2009
DRAWN	JEL	PROJECT NO.	6909.82	SHEET NO.	2 of 14
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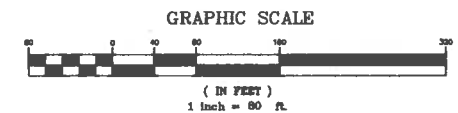
ISLETA DRAIN DIVERSION
CONTROL & HORIZONTAL CENTERLINE CONTROL


SCALE: 1"=80'

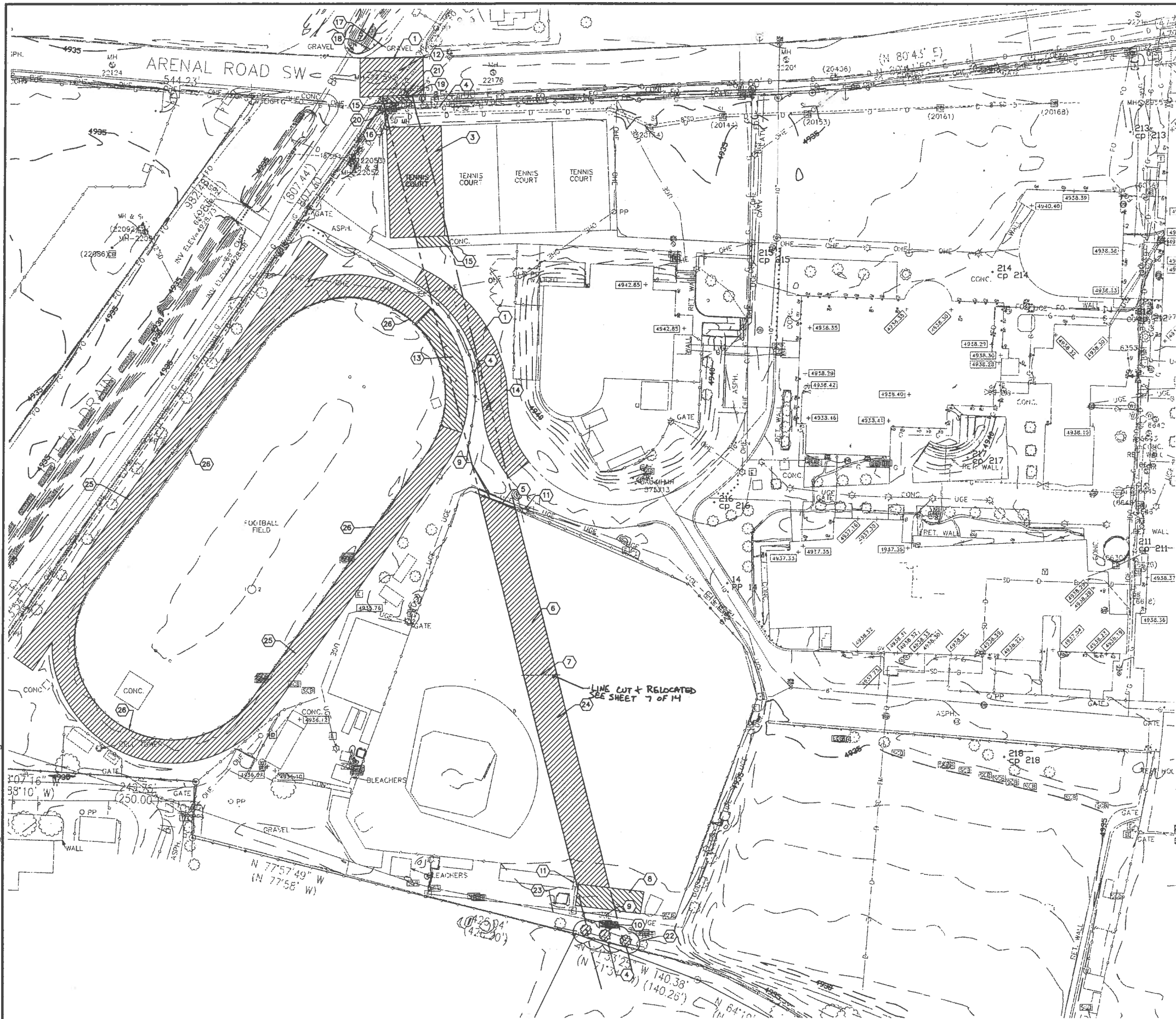


ISLETA DRAIN INLET STRUCTURE
CONTROL & HORIZONTAL CENTERLINE CONTROL

SCALE: 1"=80'



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SOUTHWEST VALLEY STORM DRAIN IMPROVEMENTS		HORIZONTAL CONTROL PLAN	
DESIGN	TJA	WCEA NO.	08600018
DRAWN	JEL	PROJECT NO.	6909.02
CHECK	TJA	DATE	MAY 2009
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- ### ○ SHEET KEY NOTES
- 1 SAWCUT, REMOVE, DISPOSE, & REPLACE ASPHALT.
 - 2 REMOVE & DISPOSE EXISTING STORM DRAIN.
 - 3 REMOVE & DISPOSE TENNIS COURT INCLUDING CHAINLINK FENCE, GATES, NET, NET POSTS, & CONCRETE.
 - 4 REMOVE, SALVAGE, & REPLACE EXISTING 3'-0" & 5'-0" CHAINLINK FENCE.
 - 5 REMOVE, SALVAGE, & REPLACE PROPANEL FENCE.
 - 6 REMOVE & REPLACE SOD & IRRIGATION SYSTEM.
 - 7 LINE POTHOLED & NOT LOCATED DIG WITH CAUTION.
 - 8 REMOVE & RELOCATE BATTING CAGE. COORDINATE RELOCATION WITH PROJECT ENGINEER.
 - 9 REMOVE & RELOCATE UNDER GROUND ELECTRIC.
 - 10 REMOVE & RELOCATE SPRINKLER CONTROL BOXES.
 - 11 CONTRACTOR TO PROTECT EXISTING HIGH MAST LIGHTING DURING CONSTRUCTION.
 - 12 ABANDON EXISTING SAS MANHOLE, SEE DETAIL SHEET 9 OF 14.
 - 13 SAWCUT, REMOVE, DISPOSE, & REPAVE TRACK TO FULL DEPTH SECTION.
 - 14 REMOVE & RELOCATE EXISTING WATER VALVE.
 - 15 REMOVE & DISPOSE CONCRETE.
 - 16 CONTRACTOR TO PROTECT EXISTING POWER POLE DURING CONSTRUCTION.
 - 17 PROTECT EXISTING STOP SIGN.
 - 18 REMOVE, SALVAGE, & REPLACE EXISTING BARRIER GUARDRAIL.
 - 19 SAWCUT, REMOVE, DISPOSE, & REPLACE EXISTING STANDARD CURB & GUTTER.
 - 20 REMOVE & DISPOSE UTILITY BOX.
 - 21 REMOVE & DISPOSE EXISTING DROP INLET, REPLACE WITH TYPE 'C' INLET.
 - 22 REMOVE & DISPOSE EXISTING TREES & SHRUBS.
 - 23 4" MAIN IRRIGATION LINE TO BE LOWERED AND FULLY RESTRAINED.
 - 24 REMOVE & REPLACE IRRIGATION LATERALS AS NEEDED.
 - 25 REMOVE & REPLACE EXISTING RUBBER TRACK SURFACE.
 - 26 CONTRACTOR SHALL PROTECT EXISTING INTERIOR GRASS FIELD PERIMETER FROM TRACK SURFACING OVER SPRAY.

SYMBOL LEGEND

- | | |
|--|------------------------|
| | FENCE |
| | CULVERT |
| | LIGHT POLE |
| | POWER POLE |
| | UTILITY POLES |
| | GUY WIRE |
| | ELECTRIC HANDHOLE |
| | ELECTRIC MANHOLE |
| | ELECTRIC PULLBOX |
| | GAS METER |
| | GAS MANHOLE |
| | GAS SHUTOFF |
| | GAS VALVE |
| | FIRE HYDRANT |
| | WATER METER |
| | WATER MANHOLE |
| | WATER VALVE |
| | STORM MANHOLE |
| | SANITARY SEWER MANHOLE |
| | TELEPHONE MANHOLE |
| | UTILITY MANHOLE |
| | LOCATED OBJECT |
| | LOCATED OBJECT |
| | SIGN |
| | POST |
| | TRAFFIC LIGHT |
| | TREE |
| | SPOT ELEVATION |
| | INDEX CONTOUR |
| | INTERMEDIATE CONTOUR |
| | NEW CHAINLINK FENCE |
| | DEMOLITION LIMITS |
| | DEMOLITION ITEMS |

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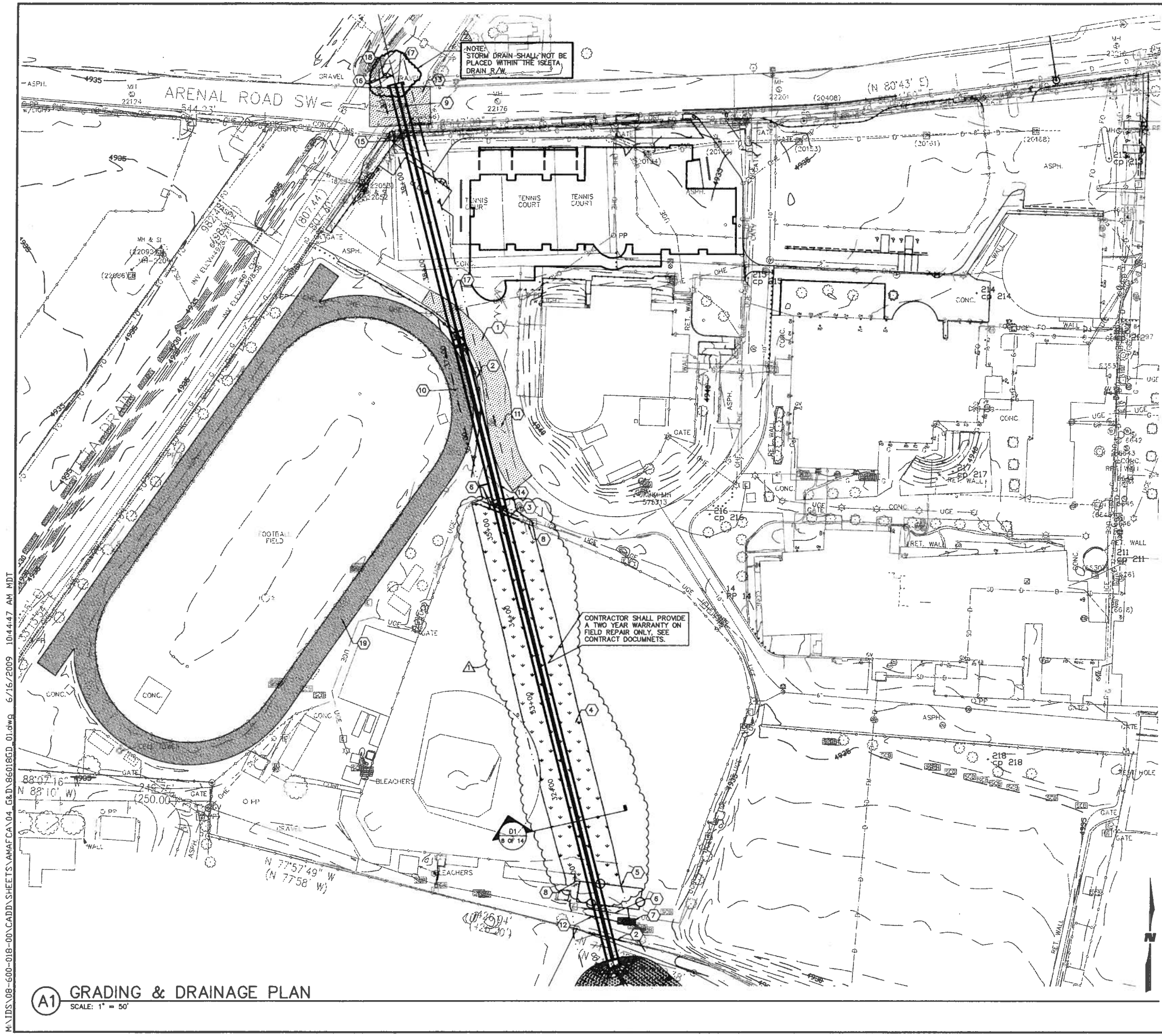
**ALBUQUERQUE METROPOLITAN
ARROYO FLOOD CONTROL
AUTHORITY**

**SOUTHWEST VALLEY
STORM DRAIN IMPROVEMENTS**

**EXISTING CONDITIONS/
DEMOLITION PLAN**

NO.	DATE	REMARKS	BY
DESIGN	TJA	WCEA NO. 08600018	DATE MAY 2009
DRAWN	JEL	PROJECT NO. 6909.82	SHEET NO. 4 of 14
CHECK	TJA		

A1 EXISTING CONDITIONS/DEMOLITION PLAN
SCALE: 1" = 50'



SHEET KEY NOTES

1. INSTALL 3" ASPHALT SECTION, SEE DETAIL SHEET 8 OF 14.
2. RESET CHAINLINK FENCE.
3. RESET PROPANEL FENCE.
4. REPLACE GRASS FIELD & REPAIR IRRIGATION SYSTEM. COORDINATE & PERFORM WATER AUDIT & REPAIR ACCEPTANCE WITH JERRY LEE EBNER, APS.
5. RESET BATTING CAGE. INSTALL 4" PCC ON GRADE SLAB. LOCATION TO BE DETERMINED BY FIELD ENGINEER.
6. RELOCATE UNDER GROUND ELECTRIC.
7. RESET SPRINKLER CONTROL BOXES.
8. CONTRACTOR TO PROTECT EXISTING HIGH MAST LIGHTING DURING CONSTRUCTION.
9. ABANDON EXISTING MANHOLE, SEE DETAIL SHEET 9 OF 14.
10. INSTALL TRACK SURFACE.
11. RESET WATER VALVE & LOWER IRRIGATION LINE AS NEEDED.
12. LOWER IRRIGATION LINE.
13. INSTALL FLEXIBLE PAVEMENT SECTION, PER COA STD DWG 2407.
14. INSTALL 60" RCP, SEE SHEET 7 OF 14.
15. CONTRACTOR TO PROTECT EXISTING POWER POLE DURING CONSTRUCTION.
16. PROTECT EXISTING STOP SIGN.
17. INSTALL 2-76"x48" RCP PLUG.
18. RESET EXISTING BARRIER GUARDRAIL.
19. NEW ALL WEATHER TRACK SURFACE, SEE CONTRACT DOCUMENTS.

SYMBOL LEGEND

	FENCE
	CULVERT
	LIGHT POLE
	POWER POLE
	UTILITY POLES
	GUY WIRE
	ELECTRIC HANDHOLE
	ELECTRIC MANHOLE
	ELECTRIC PULLBOX
	GAS METER
	GAS MANHOLE
	GAS SHUTOFF
	GAS VALVE
	FIRE HYDRANT
	WATER METER
	WATER MANHOLE
	WATER VALVE
	STORM MANHOLE
	SANITARY SEWER MANHOLE
	TELEPHONE MANHOLE
	UTILITY MANHOLE
	LOCATED OBJECT
	LOCATED OBJECT
	SIGN
	POST
	TRAFFIC LIGHT
	TREE
	SPOT ELEVATION
	INDEX CONTOUR
	INTERMEDIATE CONTOUR
	SPRINKLER CONTROL BOX
	WATER VALVE
	CONSTRUCTION LIMITS
	CHAINLINK FENCE
	NEW ASPHALT
	NEW TRACK SURFACE
	GRASS SOD

RECORD DRAWING
DATE 2/19/00

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AUTHORITY

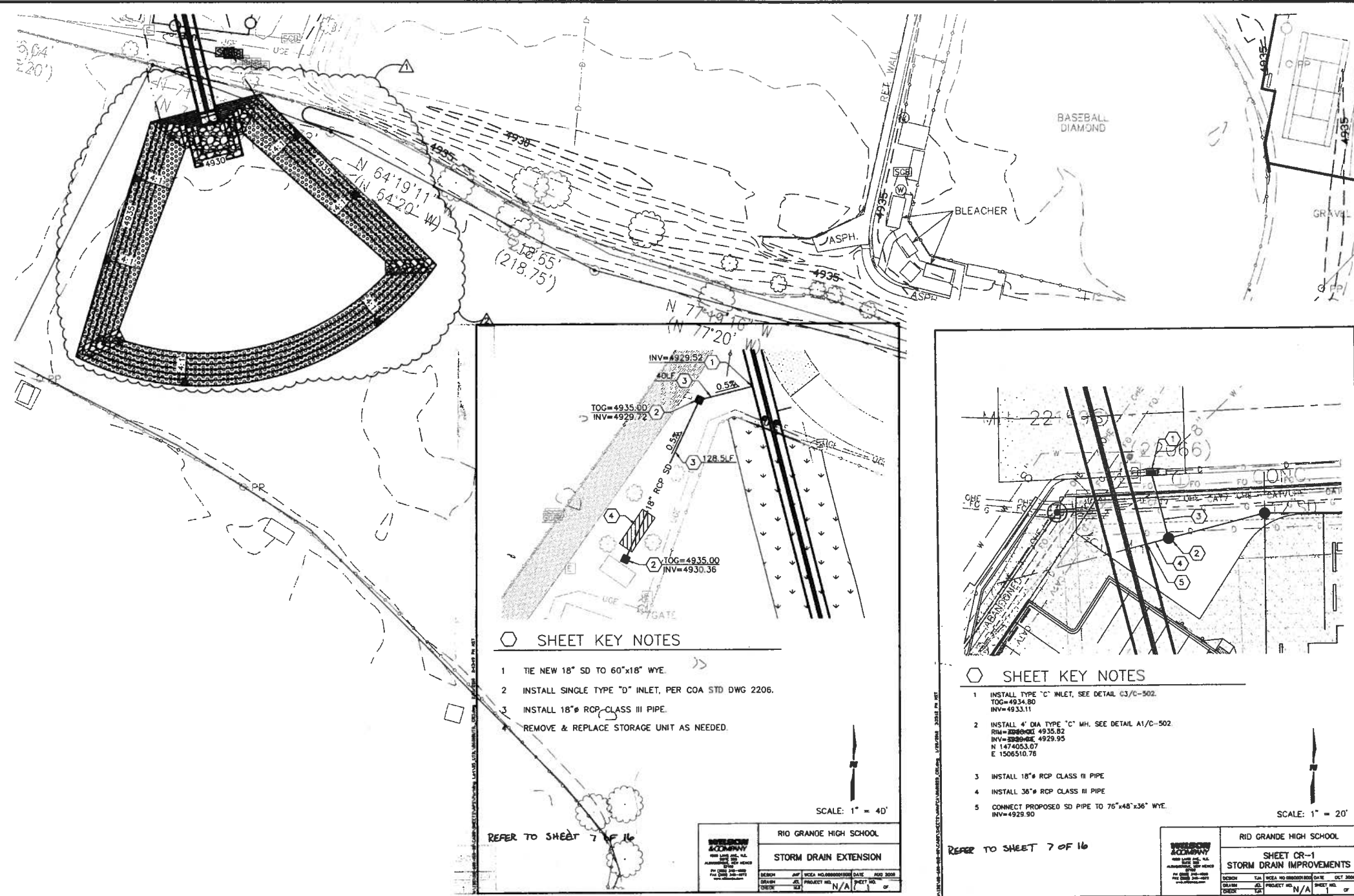
SOUTHWEST VALLEY STORM DRAIN IMPROVEMENTS GRADING & DRAINAGE PLAN

NO.	DATE	REMARKS	BY
1	6/15/00	SOD REPLACEMENT LIMITS	JEL
2	8/09	STORM DRAIN NOTE	

DESIGN	TJA	WCEA NO. 08600018	DATE MAY 2009
DRAWN	JEL	PROJECT NO. 6909.82	SHEET NO. 5 OF 14
CHECK	TJA		

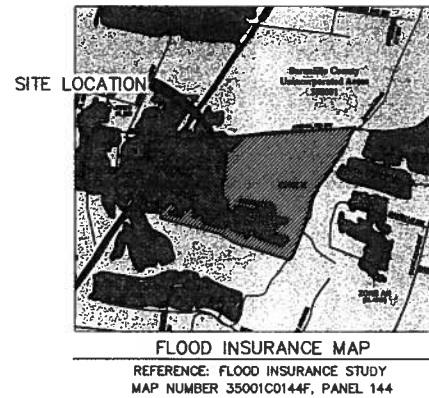
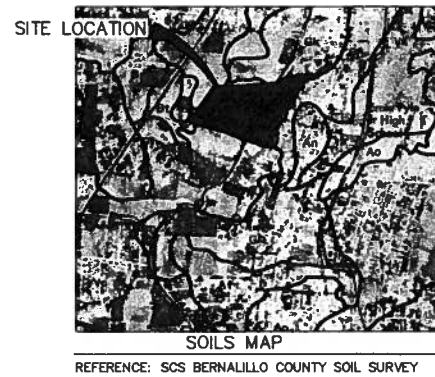
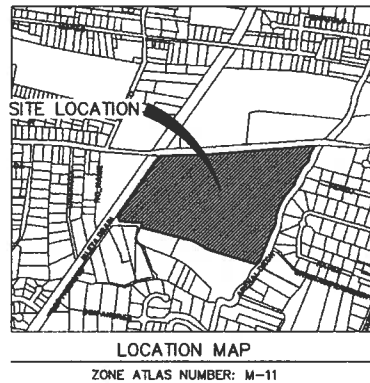
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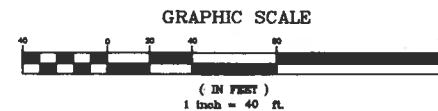
SYMBOL LEGEND	
	FENCE
	CULVERT
	LIGHT POLE
	POWER POLE
	UTILITY POLES
	GUY WIRE
	ELECTRIC HANDHOLE
	ELECTRIC MANHOLE
	ELECTRIC PULLBOX
	GAS METER
	GAS MANHOLE
	GAS SHUTOFF
	GAS VALVE
	FIRE HYDRANT
	WATER METER
	WATER MANHOLE
	WATER VALVE
	STORM MANHOLE
	SANITARY SEWER MANHOLE
	TELEPHONE MANHOLE
	UTILITY MANHOLE
	LOCATED OBJECT
	LOCATED OBJECT
	SIGN
	POST
	TRAFFIC LIGHT
	TREE
	SPOT ELEVATION
	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	PROPOSED INDEX CONTOUR
	PROPOSED INTERMEDIATE CONTOUR
	SPRINKLER CONTROL BOX
	WATER VALVE
	CONSTRUCTION LIMITS
	CHAINLINK FENCE
	NEW ASPHALT
	NEW TRACK SURFACE
	GRASS SOD
	RIP-RAP
	2" GRAVEL MULCH

A1 POND GRADING & DRAINAGE PLAN
SCALE: 1" = 40'



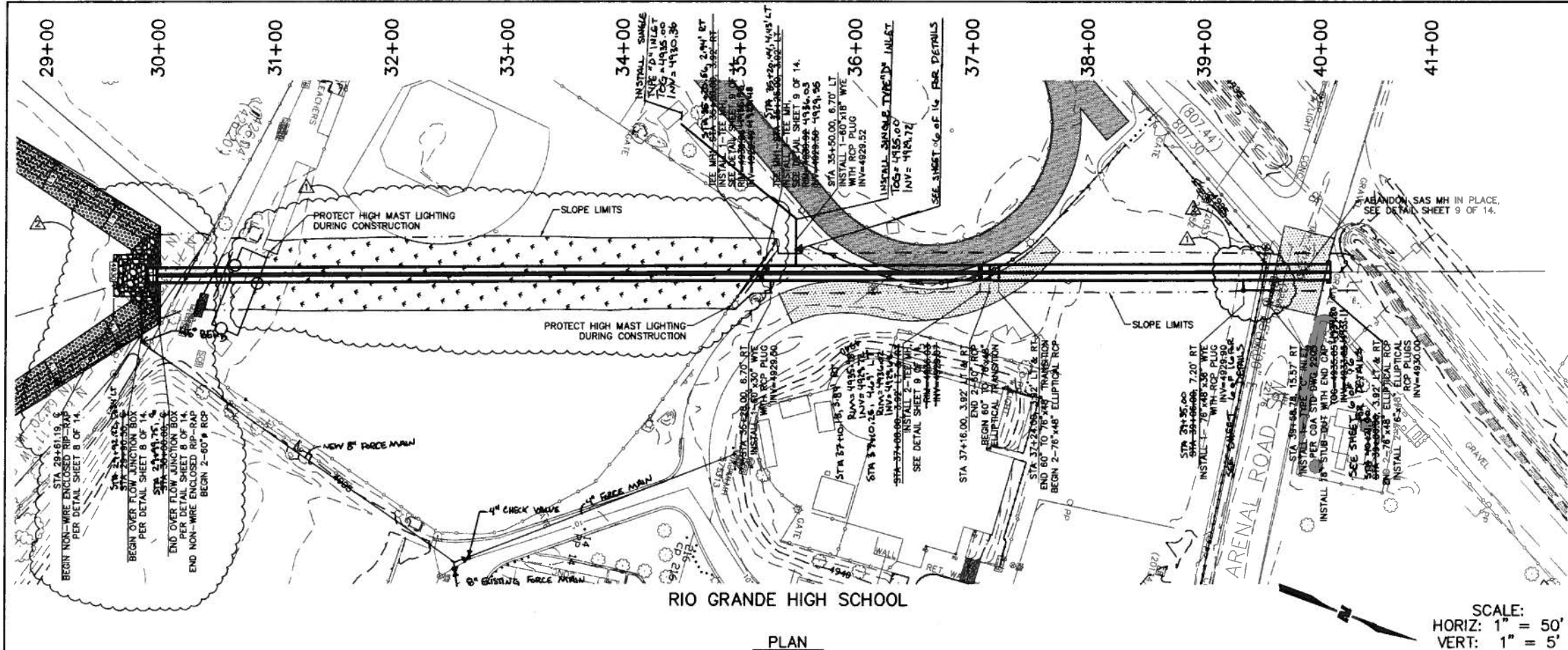
LEGAL DESCRIPTION
MAP 43 TR 179B1A BOARD OF ED

BENCH MARK
AN ACS 1 3/4" ALUMINUM DISK STAMPED "ACS BM, 10-M12", SET ON TOP OF THE NORTHWEST CORNER OF A CONCRETE BASE OF A TRAFFIC LIGHT STANCHION, LOCATED IN THE S.W. QUADRANT OF THE INTERSECTION OF ARENAL RD. AND ELEVATION = 4936.11 (NGVD 1929)



RECORD DRAWING
DATE 2/14/2010

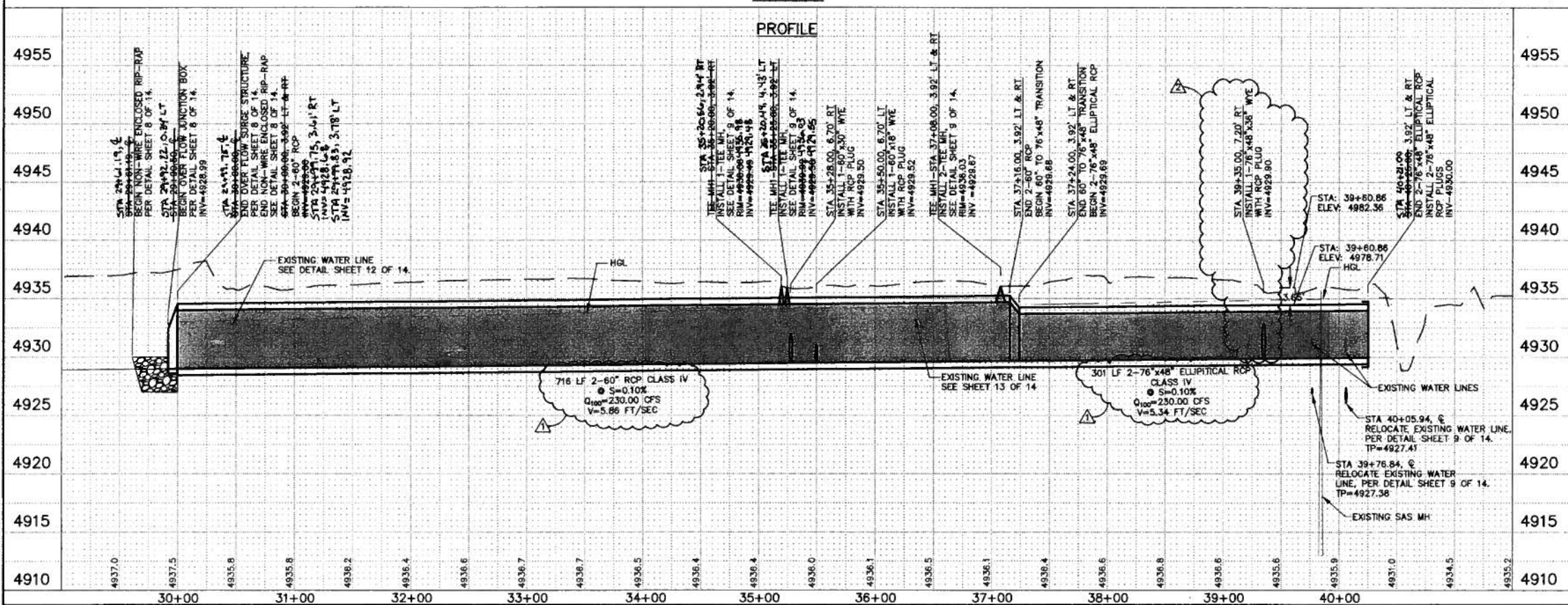
		ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY	
SOUTHWEST VALLEY STORM DRAIN IMPROVEMENTS		POND GRADING & DRAINAGE PLAN	
DESIGN	TJA	WCEA NO. 08600018	DATE MAY 2009
DRAWN	JEL	PROJECT NO. 6909.82	SHEET NO. 6 OF 16
CHECK	TJA		



SYMBOL LEGEND

	FENCE
	CULVERT
	LIGHT POLE
	POWER POLE
	UTILITY POLES
	GUY WIRE
	ELECTRIC HANDHOLE
	ELECTRIC MANHOLE
	ELECTRIC PULLBOX
	GAS METER
	GAS MANHOLE
	GAS SHUTOFF
	GAS VALVE
	FIRE HYDRANT
	WATER METER
	WATER MANHOLE
	WATER VALVE
	STORM MANHOLE
	SANITARY SEWER MANHOLE
	TELEPHONE MANHOLE
	UTILITY MANHOLE
	LOCATED OBJECT
	LOCATED OBJECT
	SIGN
	POST
	TRAFFIC LIGHT
	TREE
	SPOT ELEVATION
	INDEX CONTOUR
	INTERMEDIATE CONTOUR
	SPRINKLER CONTROL BOX
	WATER VALVE
	CONSTRUCTION LIMITS
	CHAINLINK FENCE
	NEW ASPHALT
	NEW TRACK SURFACE
	GRASS SOD
	RIP-RAP
	2" GRAVEL MULCH

SCALE:
HORIZ: 1" = 50'
VERT: 1" = 5'



RECORD DRAWING
DATE 2/19/2010



ALBUQUERQUE METROPOLITAN
ARROYO FLOOD CONTROL
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SOUTHWEST VALLEY STORM DRAIN IMPROVEMENTS

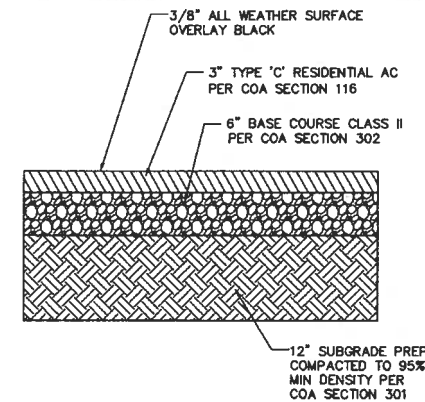
STORM DRAIN PLAN & PROFILE

NO.	DATE	REMARKS	BY
2	7/17/09	REVISED WYE	JEL
3	8/21/09	REVISED POND	JEL

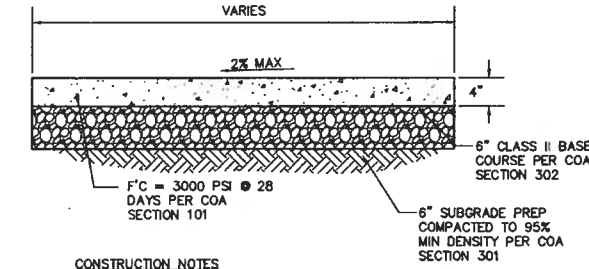
DESIGN	TJA	WCEA NO. 08600018	DATE APRIL 2009
DRAWN	JEL	PROJECT NO. 6909.82	SHEET NO. 7 OF 14
CHECK	TJA		

SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION		MICRO-FILM INFORMATION	
NO.	DATE	AN 105 1.3' ALUMINUM BENCH MARK SET ON TOP OF THE NORTHWEST CORNER OF THE BASE OF A TRAFFIC LIGHT STAND LOCATED IN THE S.W. QUADRANT OF THE INTERSECTION OF ARENAL RD. AND	CONTRACTOR	DATE	DATE	NO.	DATE

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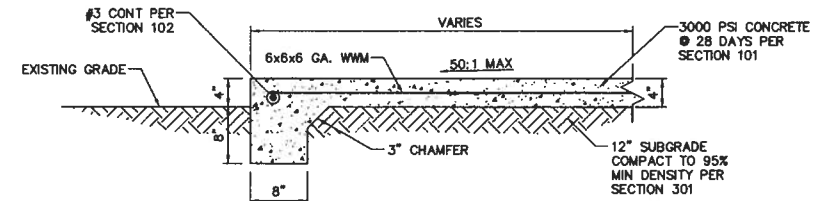


D3 TRACK ASPHALT SECTION
SCALE: 1" = 1'

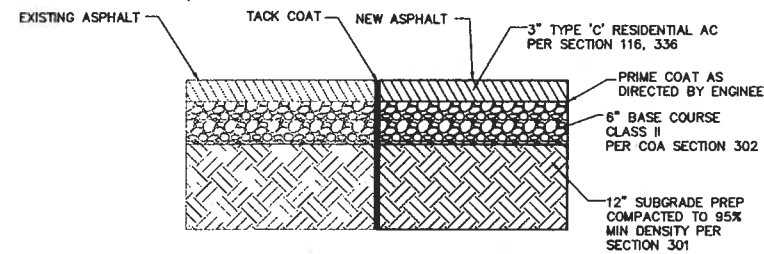


- CONSTRUCTION NOTES**
- 1 WHEN ABUTTING TO VERTICAL WALLS, BENCHES OR BUILDINGS, INSTALL $\frac{1}{2}$ " BITUMINOUS EXPANSION JOINT. RECESS $\frac{1}{4}$ " VERTICALLY. INSTALL SIKA-FLEX POLYMER SEALANT OR APPROVED EQUAL PER SECTION 107 (TYP)
 - 2 INSTALL CONTRACTION JOINTS AT 6'-0" OC
 - 3 LIGHT BROOM FINISHED CONCRETE SURFACE REQUIRED.

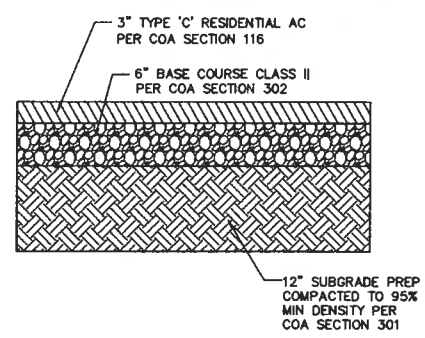
D5 4" PCC DETAIL
SCALE: 1" = 1'



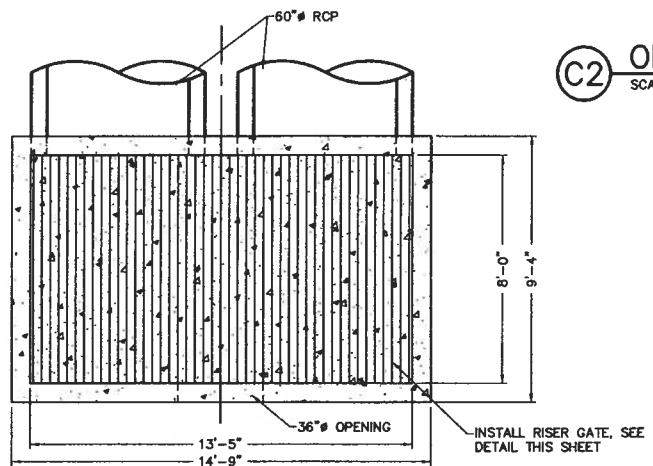
C4 BATting CAGE TURNDOWN PCC
SCALE: 1" = 1'



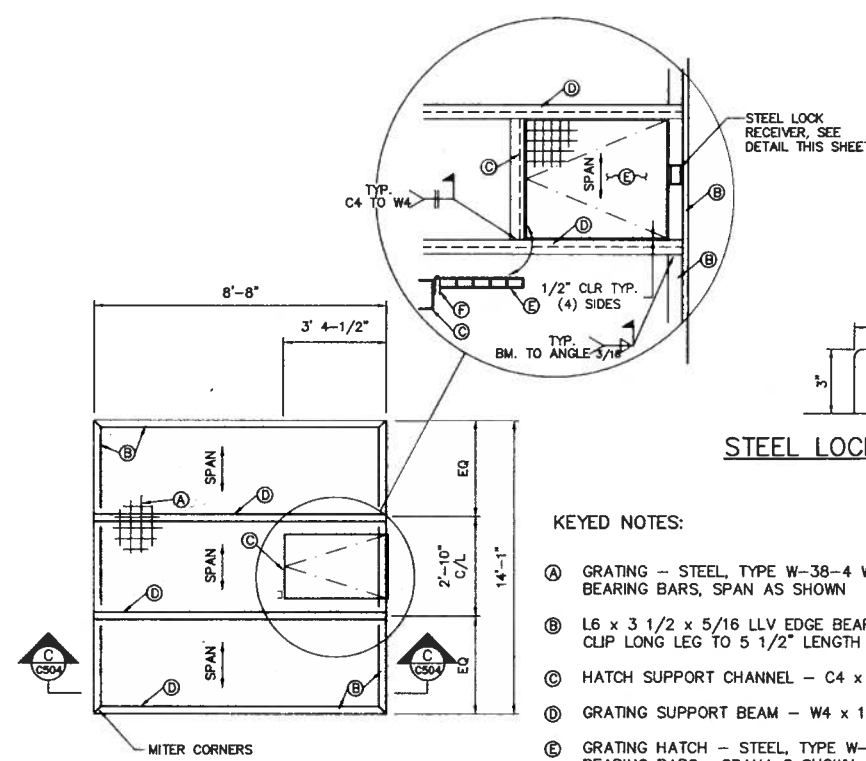
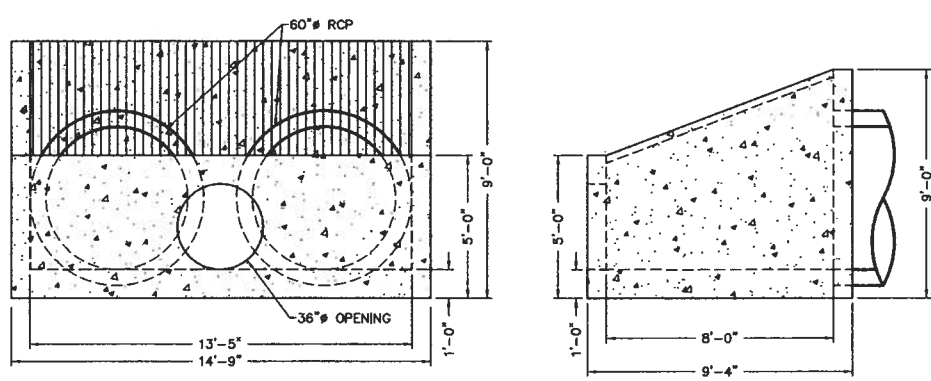
C2 OLD/NEW ASPHALT JOINT DETAIL
SCALE: NTS



C3 3\"/>



A1 OUTFALL STRUCTURE
SCALE: NTS



RISER GRATE-PLAN
NTS

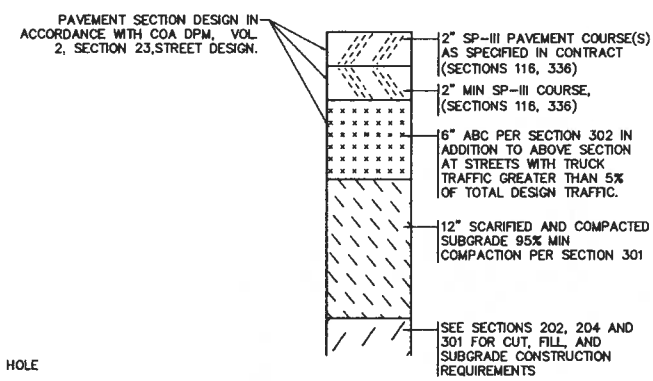
KEYED NOTES:

- A GRATING - STEEL, TYPE W-38-4 W/ 1 1/2" x 1/16" BEARING BARS, SPAN AS SHOWN
- B L6 x 3 1/2 x 5/16 LLV EDGE BEARING ANGLE, CLIP LONG LEG TO 5 1/2" LENGTH
- C HATCH SUPPORT CHANNEL - C4 x 5.4
- D GRATING SUPPORT BEAM - W4 x 13
- E GRATING HATCH - STEEL, TYPE W-38-4 W/ 1 1/2" x 3/16" BEARING BARS, SPAN S SHOWN, W/ BANDING AT ENDS
- F HEAVY DUTY WELDABLE BARREL HINGE
- G WELD 2- 1/2"x2"x3" STEEL LOCK RECEIVER.

STEEL LOCK RECEIVER

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B5 FLEXIBLE PAVEMENT SECTION
SCALE: 1" = 1'



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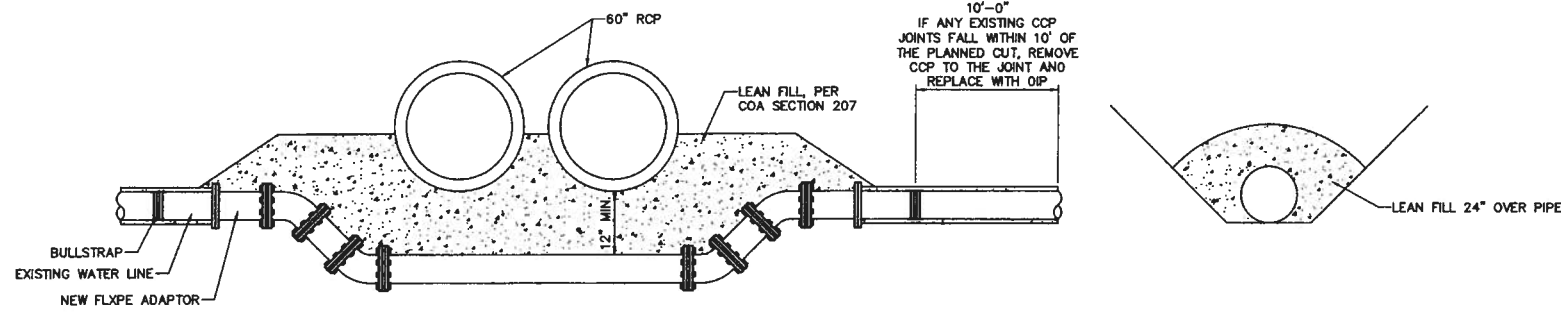
ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

SOUTHWEST VALLEY STORM DRAIN IMPROVEMENTS

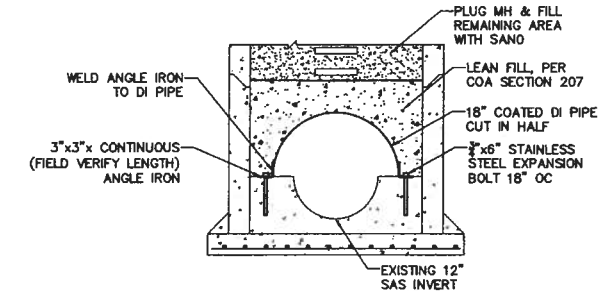
DETAIL SHEET

NO.	DATE	REMARKS	BY

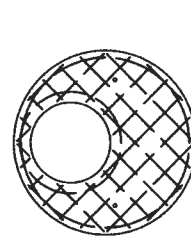
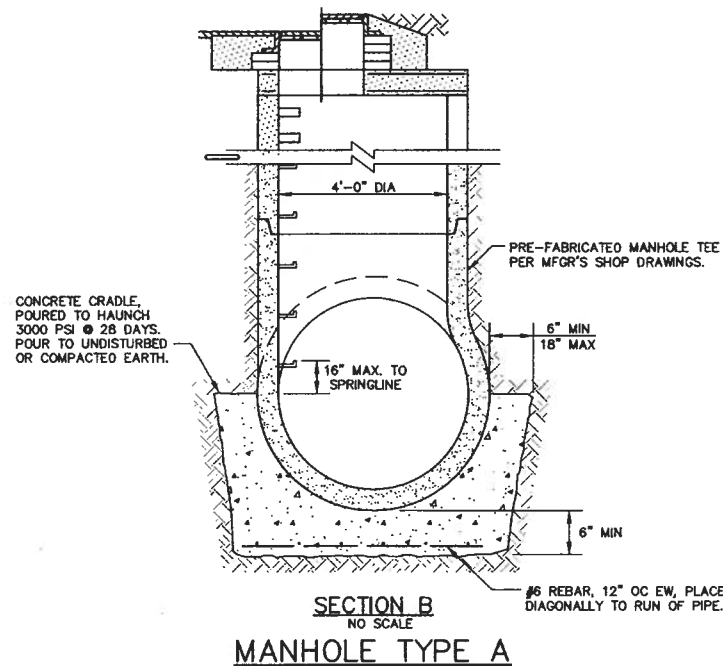
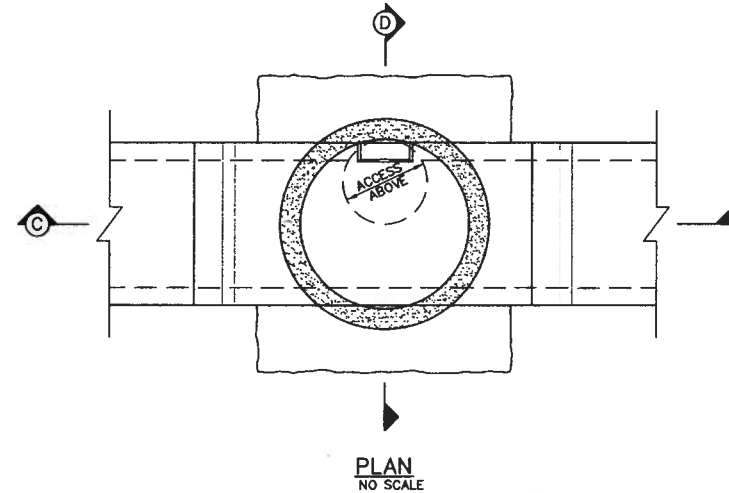
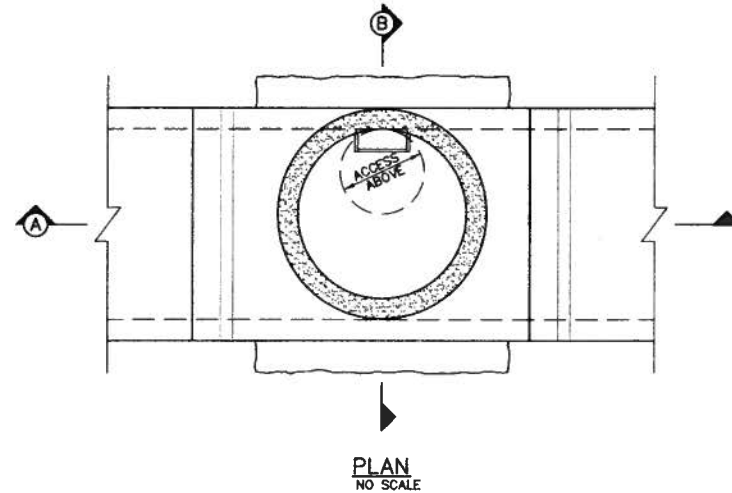
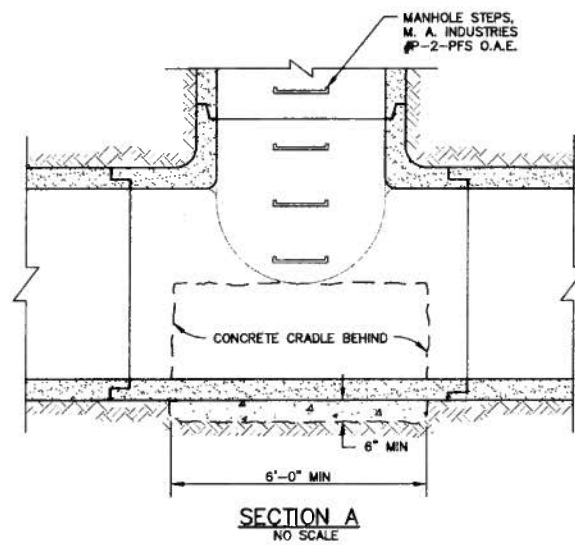
DESIGN	TJA	WCEA NO. 08600018	DATE MAY 2009
DRAWN	JEL	PROJECT NO. 690982	SHEET NO. 8 OF 14
CHECK	TJA		



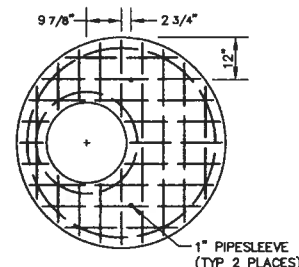
D1 WATER LINE RELOCATION DETAIL
SCALE: 1" = 1'



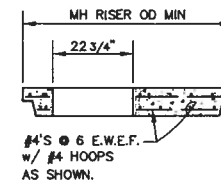
D4 MANHOLE ABANDON DETAIL
SCALE: 1" = 1'



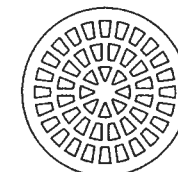
BOTTOM MAT



TOP MAT



SECTION

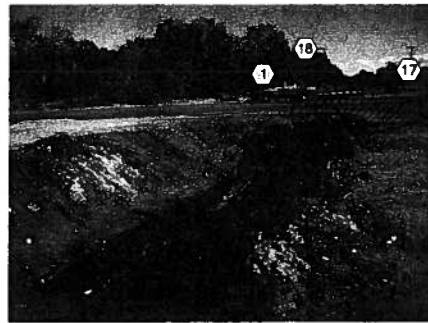


MANHOLE COVER
PER COA STD DWG 2110

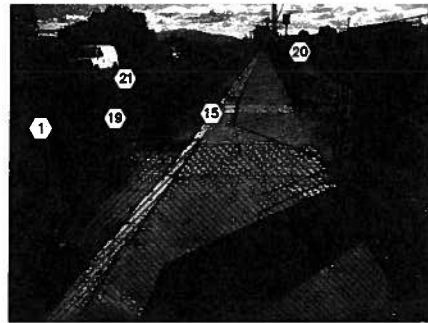
A1 MANHOLE TYPE A
SCALE: NTS

RECORD DRAWING
DATE: 2/14/2010

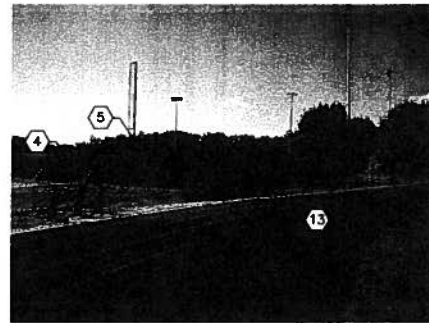
WILSON & COMPANY 4900 LANG AVE., N.E. SUITE 200 ALBUQUERQUE, NEW MEXICO 87109 PH (505) 348-4000 FAX (505) 348-4072 www.wilsonco.com		ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY	
SOUTHWEST VALLEY STORM DRAIN IMPROVEMENTS			
DETAIL SHEET			
DESIGN	TJA	WCEA NO. 08600018	DATE MAY 2009
DRAWN	JEL	PROJECT NO. 6909-82	SHEET NO. 9 OF 14
CHECK	TJA		



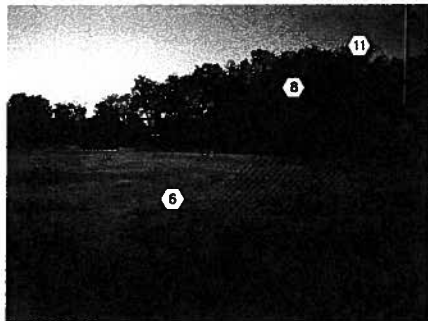
D1 **STANDING SOUTH
LOOKING NORTH**
SCALE: NTS



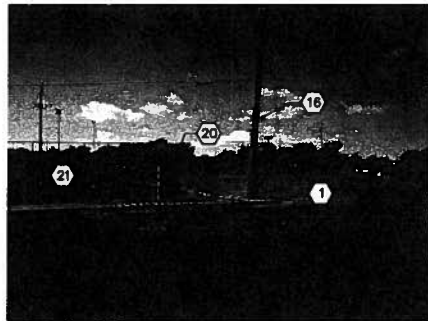
D2 **STANDING WEST
LOOKING EAST**
SCALE: NTS



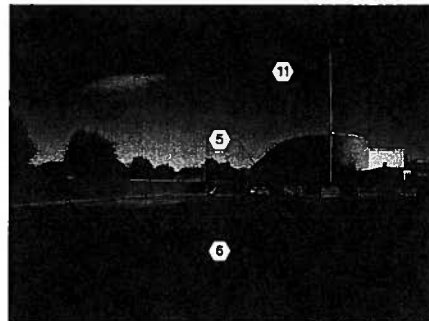
D3 **STANDING SOUTHWEST
LOOKING NORTHEAST**
SCALE: NTS



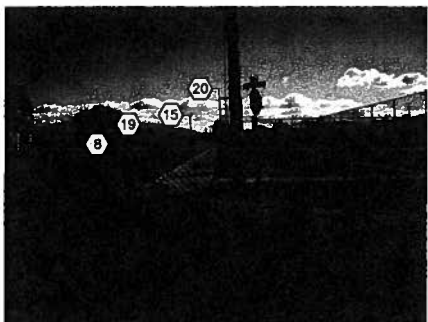
C1 **STANDING SOUTHWEST
LOOKING NORTHEAST**
SCALE: NTS



C2 **STANDING NORTH
LOOKING SOUTH**
SCALE: NTS



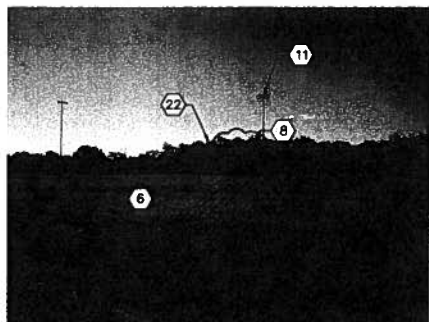
C3 **STANDING SOUTHEAST
LOOKING NORTHWEST**
SCALE: NTS



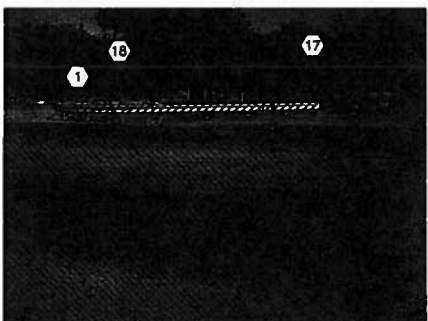
B1 **STANDING WEST
LOOKING EAST**
SCALE: NTS



B2 **STANDING SOUTHWEST
LOOKING NORTHEAST**
SCALE: NTS



B3 **STANDING SOUTHWEST
LOOKING NORTHEAST**
SCALE: NTS



A1 **STANDING SOUTHEAST
LOOKING NORTHWEST**
SCALE: NTS




A2 **STANDING SOUTHEAST
LOOKING NORTHWEST**
SCALE: NTS

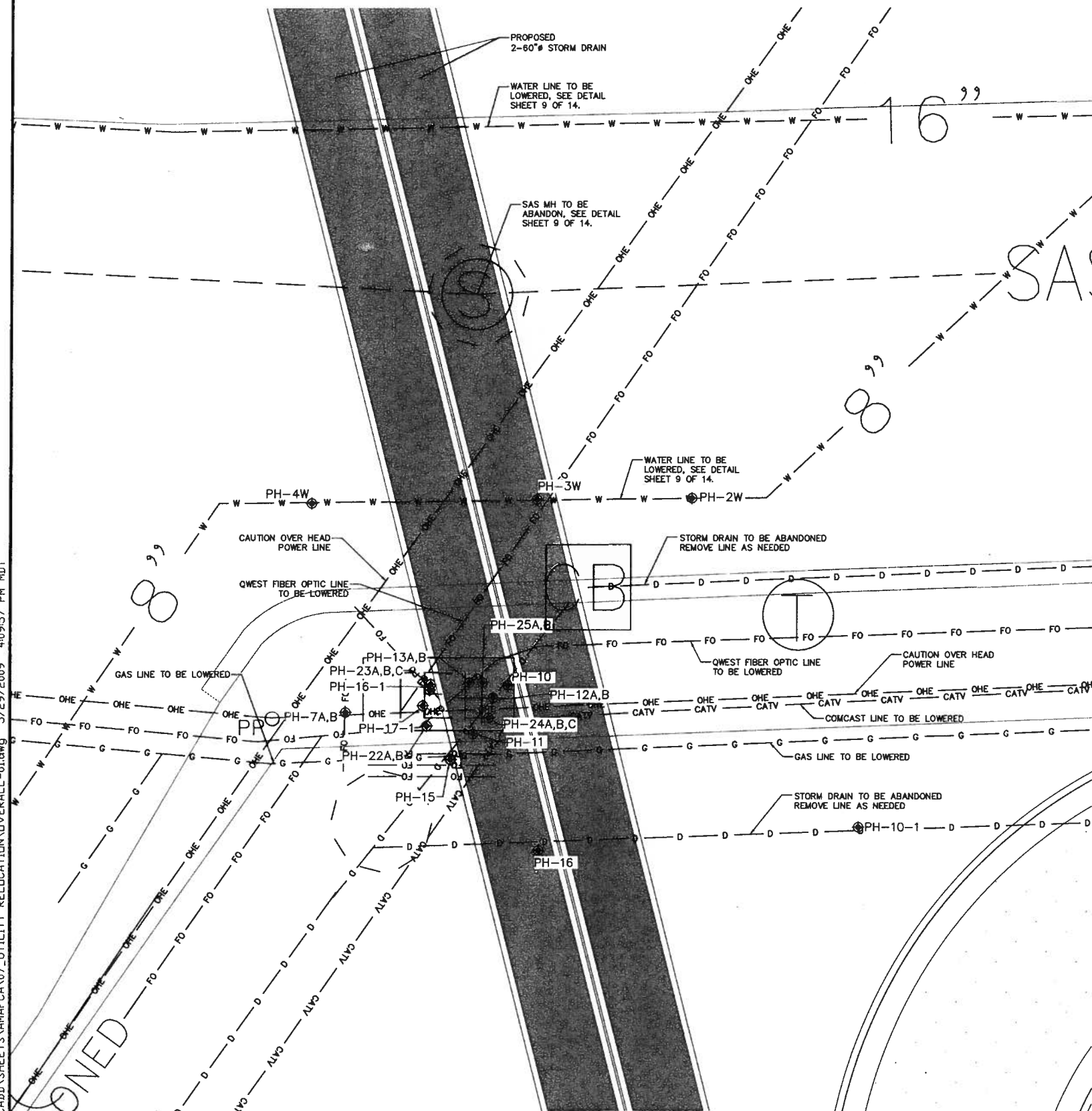
○ SHEET KEY NOTES

- 1 SAWCUT, REMOVE, DISPOSE, & REPLACE ASPHALT.
- 2 REMOVE & DISPOSE EXISTING STORM DRAIN.
- 3 REMOVE & DISPOSE TENNIS COURT INCLUDING CHAINLINK FENCE, GATES, NET, NET POSTS, & CONCRETE.
- 4 REMOVE, SALVAGE, & REPLACE EXISTING 3'-0" & 5'-0" CHAINLINK FENCE.
- 5 REMOVE, SALVAGE, & REPLACE PROPANEL FENCE.
- 6 REMOVE & REPALACE SOD & IRRIGATION SYSTEM.
- 7 LINE POTHOLED & NOT LOCATED DIG WITH CAUTION.
- 8 REMOVE & RELOCATE BATTING CAGE.
- 9 REMOVE & RELOCATE UNDER GROUND ELECTRIC.
- 10 REMOVE & RELOCATE SPRINKLER CONTROL BOXES.
- 11 CONTRACTOR TO PROTECT EXISTING HIGH MAST LIGHTING DURING CONSTRUCTION.
- 12 ABANDON EXISTING SAS MANHOLE, SEE DETAIL SHEET 9 OF 14.
- 13 SAWCUT, REMOVE, DISPOSE, & REPAVE TRACK SUB-SURFACE.
- 14 REMOVE & RELOCATE EXISTING WATER VALVE.
- 15 REMOVE & DISPOSE CONCRETE.
- 16 CONTRACTOR TO PROTECT EXISTING POWER POLE DURING CONSTRUCTION.
- 17 PROTECT EXISTING STOP SIGN.
- 18 REMOVE, SALVAGE, & REPLACE EXISTING BARRIER GUARDRAIL.
- 19 SAWCUT, REMOVE, DISPOSE, & REPLACE EXISTING STANDARD CURB & GUTTER.
- 20 REMOVE & DISPOSE UTILITY BOX.
- 21 REMOVE & DISPOSE EXISTING DROP INLET, REPLACE WITH TYPE 'C' INLET.
- 22 REMOVE & DISPOSE EXISTING TREES & SHRUBS.
- 23 4" MAIN IRRIGATION LINE TO BE LOWERED PER DETAIL SHEET 8 OF 13.
- 24 REMOVE & REPLACE IRRIGATION LATERALS AS NEEDED.
- 25 REMOVE & REPLACE EXISTING RUBBER TRACK SURFACE.

RECORD DRAWING
DATE 2/19/2010

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SOUTHWEST VALLEY STORM DRAIN IMROVEMENTS			
DEMOLITION PHOTOS			
DESIGN	TJA	WCEA NO. 0850018	DATE MAY 2009
DRAWN	JEL	PROJECT NO. 6909.82	SHEET NO. 10 of 14
CHECK	TJA		

MAIDS\08-500-018-00\CADD\SHEETS\AMAFCA\07_UTILITY_RELOCATION\OVERALL-01.dwg 5/29/2009 4:09:57 PM MDT



UTILITY RELOCATION PLAN

SCALE: 1" = 5'

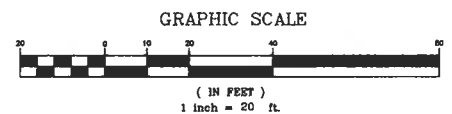
POTHOLE TABLE									
POTHOLE #	NORTHING	EASTING	GRND ELEV	TYPE	MATERIAL	DIA	DEPTH TO TOP	DEPTH OF UTILITY TO BOTTOM	PAVEMENT THICKNESS
POTHOLE #1	1473638.832	1506623.423	4936.130	POWER	PVC	1.5"	25"	---	DIRT
POTHOLE #1W	1474115.317	1506547.570	4935.457	H2O	IRON	8"	72"	---	6" ASPHALT
POTHOLE #2W	1474084.484	1506508.239	4935.442	H2O	IRON	8"	56"	---	6" ASPHALT
POTHOLE #3WA	1474084.396	1506494.515	4935.420	H2O	IRON	8"	48"	---	6" ASPHALT
#3WB	1474084.396	1506494.515	4935.420	COMM	PVC	4"	54"	---	6" ASPHALT
#3WC	1474084.396	1506494.515	4935.420	COMM	PVC	4"	54"	---	6" ASPHALT
#3WD	1474084.396	1506494.515	4935.420	COMM	PVC	4"	54"	---	6" ASPHALT
#3WE	1474084.396	1506494.515	4935.420	COMM	PVC	4"	52"	---	6" ASPHALT
POTHOLE #4W	1474084.035	1506474.619	4935.319	H2O	IRON	8"	41"	---	6" ASPHALT
POTHOLE #7A	1474065.605	1506477.631	4935.401	F.O.	PVC	2"	27"	---	DIRT
#7B	1474065.605	1506477.631	4935.401	QWEST	PVC	10"	17"	---	DIRT
POTHOLE #10	1474068.293	1506491.970	4935.640	STORM	PVC	4"	24"	---	DIRT
POTHOLE #10-1	1474055.502	1506532.031	4934.762	STORM	PVC	12"	41"	---	DIRT
POTHOLE #11	1474063.707	1506488.872	4935.663	STORM	PVC	4"	31"	---	DIRT
POTHOLE #11A	1473924.616	1506898.054	4935.471	WATER	PVC	2"	31"	---	8" ASPHALT
#11B	1473924.616	1506898.054	4935.471	WATER	PVC	6"	49"	---	8" ASPHALT
POTHOLE #12A	1474066.909	1506490.661	4935.542	F.O.	PVC	2"	27"	---	DIRT
POTHOLE #12B	1474066.909	1506490.661	4935.542	STORM	PVC	4"	31"	---	DIRT
POTHOLE #13A	1473926.210	1506800.347	4935.372	POWER	PVC	2"	28"	---	3" ASPHALT
#13B	1473926.210	1506800.347	4935.372	POWER	PVC	2"	28"	---	3" ASPHALT
#13C	1473926.210	1506800.347	4935.372	POWER	PVC	2"	28"	---	3" ASPHALT
#13D	1473926.210	1506800.347	4935.372	POWER	PVC	2"	28"	---	3" ASPHALT
POTHOLE #13A	1474068.230	1506488.550	4935.498	QWEST	PVC	2"	32"	---	DIRT
#13B	1474068.230	1506488.550	4935.498	QWEST	PVC	2"	32"	---	DIRT
POTHOLE #15	1474061.454	1506486.864	4935.577	STORM	PVC	8"	28.5"	---	DIRT
POTHOLE #16	1473505.616	1506495.683	4935.522	SAS	NA	NA	12"	---	DIRT
POTHOLE #16-1	1474087.547	1506485.012	4935.737	QWEST	DB	1"	15"	---	DIRT
POTHOLE #16	1474053.460	1506494.710	4934.876	STORM	PVC	12"	45"	---	DIRT
POTHOLE #17	1473749.313	1506580.815	4935.821	H2O	PVC	3"	33"	---	DIRT
POTHOLE #17-1	1474066.175	1506484.406	4935.910	QWEST/FO	PVC	1.5"	21"/27"	---	DIRT
POTHOLE #19A	1473619.088	1506673.123	4936.290	POWER	PVC	2"	24"	---	DIRT
#19B	1473619.088	1506673.123	4936.290	DIRECT BURIAL	PVC	1/8"	16"	---	DIRT
POTHOLE #19-1	1473613.739	1506670.754	4936.736	NO LOCATE	CLEAR TO 8'			---	DIRT
POTHOLE #20A	1473605.242	1506692.650	4936.238	POWER	PVC	2"	11"	---	DIRT
#20B	1473605.242	1506692.650	4936.238	POWER	PVC	1 1/2"	11"	---	DIRT
#20C	1473605.242	1506692.650	4936.238	POWER	PVC	1 1/2"	11"	---	DIRT
#21	1473606.694	1506716.483	4936.309	POWER	PVC	2"	28"	---	DIRT
POTHOLE #21-1	1473600.238	1506712.441	4936.657	NO LOCATE	CLEAR TO 8'			---	DIRT
POTHOLE #22A	1474064.412	1506484.763	4935.198	COM	DB	1/4"	20"	---	DIRT
#22B	1474064.412	1506484.763	4935.198	COM	DB	1/4"	20"	---	DIRT
POTHOLE #23A	1474068.054	1506485.098	4935.345	COM	DB	1"	18"	---	DIRT
#23B	1474068.054	1506485.098	4935.345	COM	DB	1"	18"	---	DIRT
#23C	1474068.054	1506485.098	4935.345	COM	DB	1"	18"	---	DIRT
POTHOLE #24A	1474065.127	1506490.261	4935.240	COM	PVC	1"	24"	---	DIRT
#24B	1474065.127	1506490.261	4935.240	COM	PVC	4"	30"	---	DIRT
#24C	1474065.127	1506490.261	4935.240	SAS	PVC	10"	36"	---	DIRT
POTHOLE #25A	1474068.262	1506489.708	4935.454	COM	PVC	2"	36"	---	DIRT
#25B	1474068.262	1506489.708	4935.454	COM	PVC	2"	36"	---	DIRT
POTHOLE #26	1474041.690	1506429.747	4934.647	H2O	METAL	12"	45"	---	4" ASPHALT

NOTE:
ALL VALVES, MANHOLES, & BENDS IN ANY OF THE INFRASTRUCTURE WILL NEED TO HAVE EMD'S. CONCRETE COLLARS MUST BE INSTALLED AT THE VALVES AND MANHOLES. REFER TO COA STD DWGS 2328, 2326, 246, & 2111 FOR RELOCATING UTILITIES.

SYMBOL LEGEND

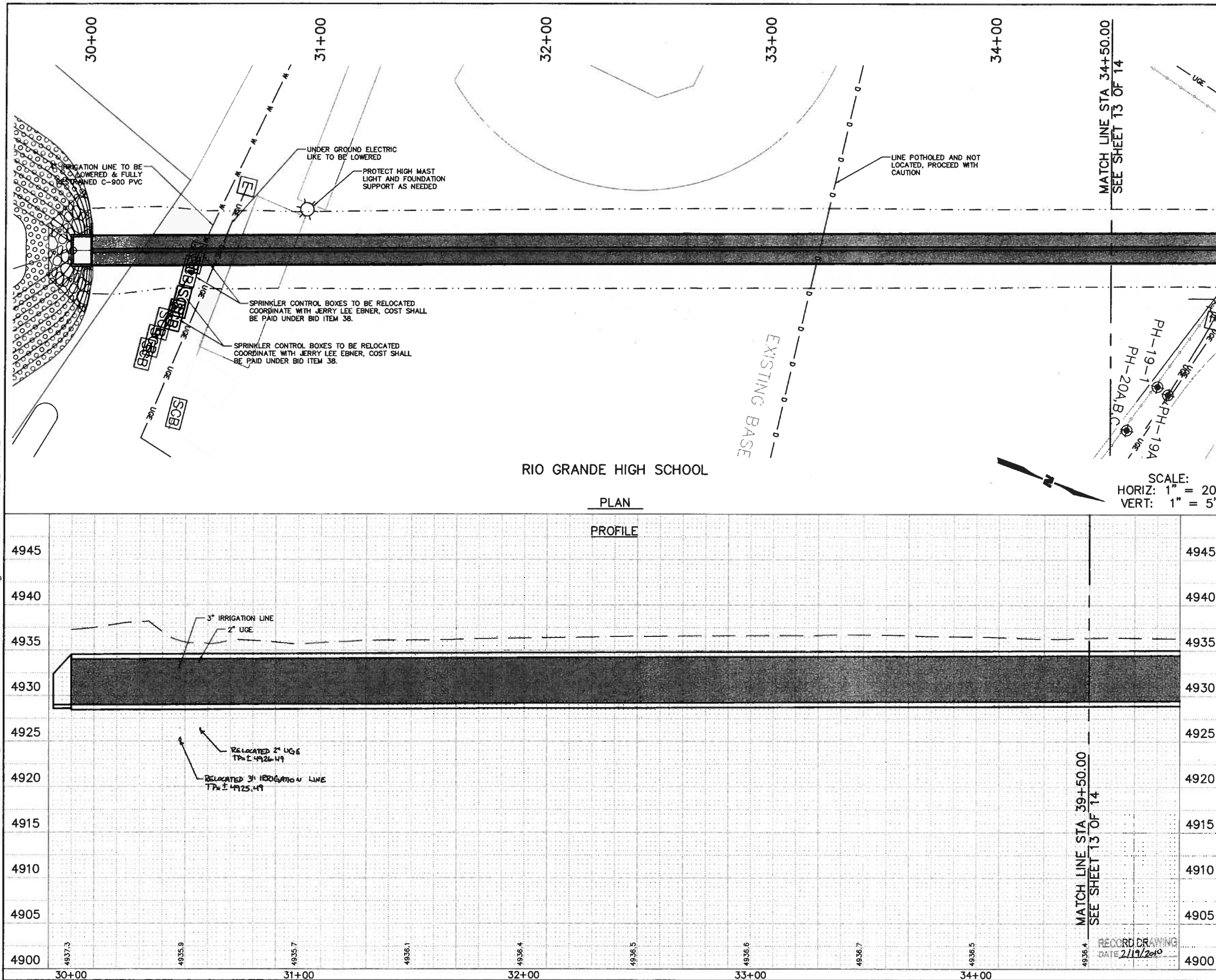
- ☆ LIGHT POLE
- PP POWER POLE
- ⊞ ELECTRIC HANDHOLE
- ⊞ FIRE HYDRANT
- ⊞ WATER METER
- ⊞ WATER VALVE
- ⊞ SPRINKLER CONTROL BOX
- ⊞ STORM DRAIN MANHOLE
- ⊞ CATCH BASIN
- ⊞ SANITARY SEWER MANHOLE
- ⊞ QWEST MANHOLE
- ⊞ POT HOLE LOCATION
- FO FIBER OPTIC LINE
- CATV CABLE TV LINE
- OHE OVERHEAD ELECTRIC LINE
- UGE UNDER GROUND ELECTRIC LINE
- G GAS LINE
- W WATER LINE
- D STORM DRAIN LINE
- SAS SANITARY SEWER LINE

RECORD DRAWING
DATE 2/19/2010



		ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY	
SOUTHWEST VALLEY STORM DRAIN IMPROVEMENTS			
ARENAL UTILITY RELOCATION PLAN			
DESIGN	TJA	WCEA NO. 08600018	DATE MAY 2009
DRAWN	JEL	PROJECT NO 6909.82	SHEET NO. 11 OF 14
CHECK	TJA		

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SYMBOL LEGEND

	FENCE
	CULVERT
	LIGHT POLE
	POWER POLE
	UTILITY POLES
	GUY WIRE
	ELECTRIC HANDHOLE
	ELECTRIC MANHOLE
	ELECTRIC PULLBOX
	GAS METER
	GAS MANHOLE
	GAS SHUTOFF
	GAS VALVE
	FIRE HYDRANT
	WATER METER
	WATER MANHOLE
	WATER VALVE
	STORM MANHOLE
	SANITARY SEWER MANHOLE
	TELEPHONE MANHOLE
	UTILITY MANHOLE
	LOCATED OBJECT
	LOCATED OBJECT
	SIGN
	POST
	TRAFFIC LIGHT
	TREE
	SPOT ELEVATION
	INDEX CONTOUR
	INTERMEDIATE CONTOUR
	SPRINKLER CONTROL BOX
	WATER VALVE
	CONSTRUCTION LIMITS
	CHAINLINK FENCE
	NEW ASPHALT
	NEW CONCRETE
	GRASS SOD
	RIP-RAP



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ALBUQUERQUE METROPOLITAN
ARROYO FLOOD CONTROL
AUTHORITY

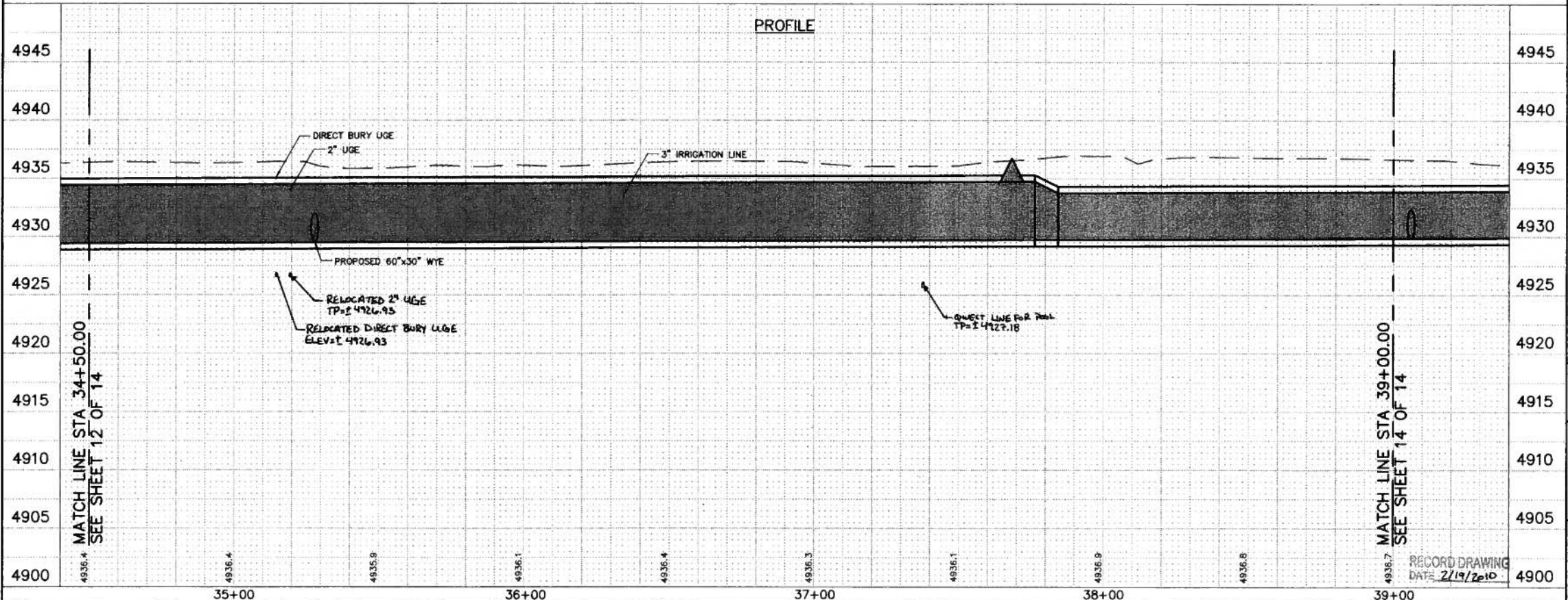
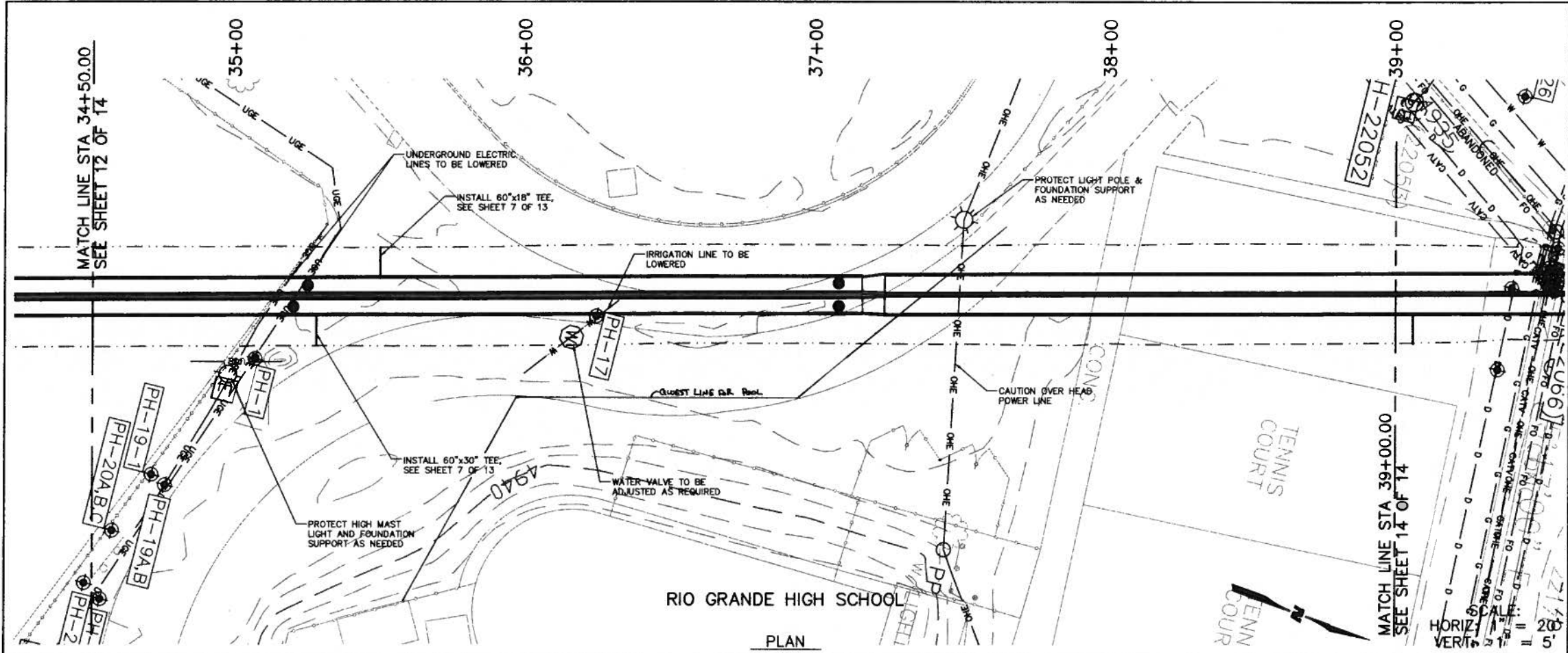
SOUTHWEST VALLEY STORM DRAIN IMPROVEMENTS

UTILITY RELOCATION PLAN & PROFILE

NO.	DATE	REMARKS	BY
DESIGN	TJA	WCEA NO. 08600018	DATE APRIL 2009
DRAWN	JEL	PROJECT NO. 6909.82	SHEET NO. 12 OF 14
CHECK	TJA		

SURVEY INFORMATION				BENCH MARKS				AS-BUILT INFORMATION				MICRO-FILM INFORMATION			
NO.	BY	DATE		AN ACS 1 3/4" ALUMINUM DISK STAMPED "ACS BM, 10-MP2", SET ON TOP OF THE NORTHWEST CORNER OF A CONCRETE BASE OF A TRAFFIC LIGHT STANDSTATION, LOCATED IN THE S.W. QUADRANT OF THE INTERSECTION OF ARENAL RD. AND	CONTRACTOR	DATE		CONTRACTOR	DATE			RECORDED BY	DATE		
					WORK	DATE		WORK	DATE						
					FIELD BY	DATE		FIELD BY	DATE						
					VERIFICATION BY	DATE		VERIFICATION BY	DATE						

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SYMBOL LEGEND

- FENCE
- CULVERT
- LIGHT POLE
- POWER POLE
- UTILITY POLES
- GUY WIRE
- ELECTRIC HANDHOLE
- ELECTRIC MANHOLE
- ELECTRIC PULLBOX
- GAS METER
- GAS MANHOLE
- GAS SHUTOFF
- GAS VALVE
- FIRE HYDRANT
- WATER METER
- WATER MANHOLE
- WATER VALVE
- STORM MANHOLE
- SANITARY SEWER MANHOLE
- TELEPHONE MANHOLE
- UTILITY MANHOLE
- LOCATED OBJECT
- LOCATED OBJECT
- SIGN
- POST
- TRAFFIC LIGHT
- TREE
- SPOT ELEVATION
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- SPRINKLER CONTROL BOX
- WATER VALVE
- CONSTRUCTION LIMITS
- CHAINLINK FENCE
- NEW ASPHALT
- NEW CONCRETE
- GRASS SOD
- RIP-RAP

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ALBUQUERQUE METROPOLITAN
ARROYO FLOOD CONTROL
AUTHORITY

**SOUTHWEST VALLEY
STORM DRAIN IMPROVEMENTS**

**UTILITY RELOCATION
PLAN & PROFILE**

NO.	DATE	REMARKS	BY

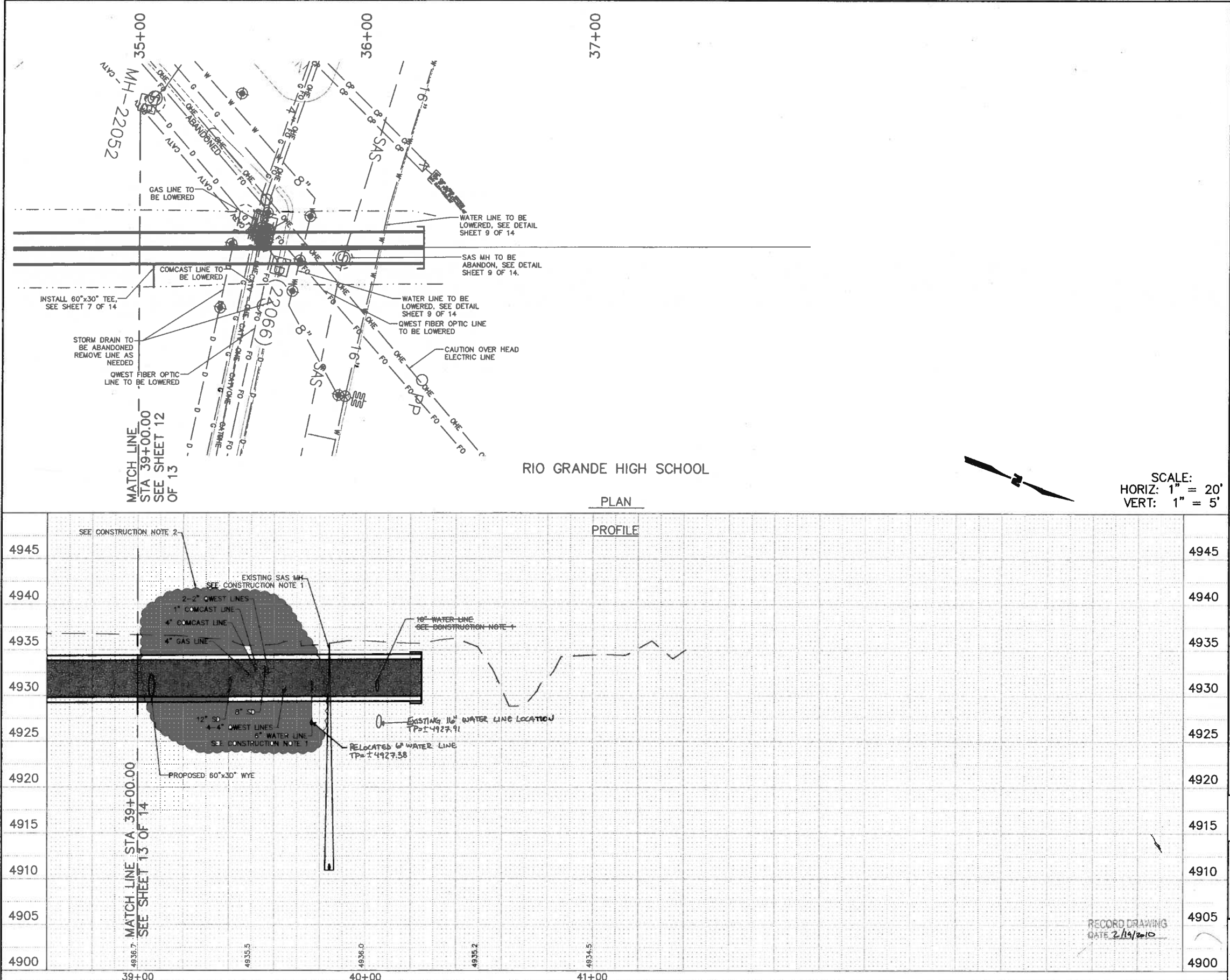
DESIGN TJA WCEA NO. 08600018 DATE APRIL 2009

DRAWN JEL PROJECT NO. 6909.82 SHEET NO. 13 OF 14

CHECK TJA

SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION		MICRO-FILM INFORMATION	
NO.	BY	DATE		CONTRACTOR	WORK	RECORDED BY	DATE

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CONSTRUCTION NOTES

1. CONTRACTOR SHALL RELOCATE EXISTING UTILITY, SEE SHEET 7 OF 14. WORK SHALL BE PAID UNDER BID ITEM 42-44.
2. UTILITIES ARE UNDER FRANCHISE AGREEMENT AND NOT A PART OF THIS CONTRACT.

SYMBOL LEGEND

	FENCE
	CULVERT
	LIGHT POLE
	POWER POLE
	UTILITY POLES
	GUY WIRE
	ELECTRIC HANDHOLE
	ELECTRIC MANHOLE
	ELECTRIC PULLBOX
	GAS METER
	GAS MANHOLE
	GAS SHUTOFF
	GAS VALVE
	FIRE HYDRANT
	WATER METER
	WATER MANHOLE
	WATER VALVE
	STORM MANHOLE
	SANITARY SEWER MANHOLE
	TELEPHONE MANHOLE
	UTILITY MANHOLE
	LOCATED OBJECT
	LOCATED OBJECT
	SIGN
	POST
	TRAFFIC LIGHT
	TREE
	SPOT ELEVATION
	INDEX CONTOUR
	INTERMEDIATE CONTOUR
	SPRINKLER CONTROL BOX
	WATER VALVE
	CONSTRUCTION LIMITS
	CHAINLINK FENCE
	NEW ASPHALT
	NEW CONCRETE
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ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

SOUTHWEST VALLEY STORM DRAIN IMPROVEMENTS

UTILITY RELOCATION PLAN & PROFILE

REVISIONS	NO.	DATE	REMARKS	BY
DESIGN	TJA	WCEA NO. 08600018	DATE APRIL 2009	
DRAWN	JEL	PROJECT NO.		
CHECK	TJA	6909.82	SHEET NO. 14 OF 14	

SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION		MICRO-FILM INFORMATION	
NO.	BY	DATE	DESCRIPTION	CONTRACTOR	DATE	NO.	DATE
			AN AS 1 3/4" ALUMINUM DISK STAMPED "AS B.M. 10-MFT." SET ON TOP OF THE NORTHWEST CORNER OF A CONCRETE BASE OF A TRAFFIC LIGHT STAND. LOCATED IN THE S.W. QUADRANT OF THE INTERSECTION OF ARENAL RD. AND				