

CONSTRUCTION PLANS FOR BALLOON FIESTA PARK RV PARKING LOT UTILITIES LOS ANGELES LANDFILL ALBUQUERQUE, NEW MEXICO INDEX

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CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES, AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION, INCLUDING WORKER HEALTH AND SAFETY ASPECTS, OF THESE IMPROVEMENTS.
2. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS, AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
3. DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE ENVIRONMENTAL HEALTH DEPARTMENT (768-2618). [ALL COSTS INCURRED IN OBTAINING A FULLY REGULATED DISPOSAL SITE AND HAUL THERE TO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT, AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.]
4. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE ENVIRONMENTAL HEALTH DEPARTMENT (768-2618).
5. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.
6. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL COORDINATE WITH ENVIRONMENTAL HEALTH DEPARTMENT (768-2618) THE LOCATION OF ALL CONSTRUCTION EQUIPMENT PARKING. SEE SHEET 2.

7. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E. BARRICADING, SURFACE DISTURBANCE).
8. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AT HIS EXPENSE ANY AND ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
9. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB & GUTTER, DRIVE PADS, WHEELCHAIR RAMPS, AND SIDEWALK DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REPAIR OR REPLACE PER COA STANDARDS, AT HIS OWN EXPENSE.
10. LOCATIONS OF UTILITIES ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL PERTINENT UTILITIES IN THE FIELD.
11. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUPPORT ALL UTILITIES EXPOSED DURING CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGE TO ALL UTILITIES, INCLUDING SERVICE LINES, EXTRACTION PIPE, MONITORING AND EXTRACTION WELL HEADS, WELL VAULTS, CONDENSATION SUMPS, AND ISOLATION VALVE VAULTS. THE CONTRACTOR SHALL LOCATE THE EXISTING GAS HEADER PIPE ALONG THE EAST AND NORTH SIDES OF THE PROPERTY PRIOR TO CONSTRUCTION VIA POT-HOLES. IF THE EXISTING LINE IS DAMAGED DURING POT-HOLING OR CONSTRUCTION NOTIFY MARCIA PINCUS AT THE ENVIRONMENTAL HEALTH DEPARTMENT IMMEDIATELY AT 768-2618. DAMAGED LINES SHALL BE REPAIRED BY A CERTIFIED INSTALLER AT CONTRACTOR'S COST.
12. MILLINGS GREATER THAN SIX INCHES IN THICKNESS, IMPACTED DURING GRADING, SHALL BE STOCKPILED IN AN AREA ON-SITE DESIGNATED BY THE ENVIRONMENTAL HEALTH DEPARTMENT (768-2618) SEE SHEET 2 (CONTRACTOR'S SPOILS AREA). AT THE END OF THE PROJECT ALL STOCKPILED MILLINGS WILL BE PROCESSED WITH HFE-150 OR HFE-300 EMULSION AS REQUIRED BY THE MANUFACTURER'S INSTRUCTIONS AND WILL BE PLACED BACK IN THEIR ORIGINAL LOCATION. MILLINGS LESS THAN SIX INCHES IN THICKNESS, IMPACTED DURING GRADING, SHALL BE LEFT IN PLACE, BUT SHALL BE SCARIFIED TO A MINIMUM OF 8" BEFORE PLACEMENT OF FILL.

13. IF LANDFILL MATERIAL IS ENCOUNTERED DURING THE GRADING AND/OR CONSTRUCTION OF THIS PROJECT, IMMEDIATELY NOTIFY THE ENVIRONMENTAL HEALTH DEPARTMENT (768-2618). ALL LANDFILL MATERIAL DESIGNATED AND/OR DISPOSED OF AT THE CERRO COLORADO LANDFILL BY CONTRACTOR SHALL BE PAID FOR AT CONTRACT UNIT PRICE AS SET FORTH IN THE BID FORM.
14. LIMIT ALL CONSTRUCTION TRAFFIC TO DESIGNATED EXISTING MILLINGS ROADS, WORK AREAS AND DESIGNATED HOLDING AREAS LOCATED ON THE LANDFILL.
15. SEEDING WILL BE PERFORMED BY THE CITY PARKS AND RECREATION DEPARTMENT.
16. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
17. WHERE GRADING CONSTRUCTION OCCURS WITHIN 15 FEET OF THE GAS EXTRACTION PIPING, MONITORING AND EXTRACTION WELL HEADS, WELL VAULTS, CONDENSATION SUMPS, AND ISOLATION VALVE VAULTS, COMPACTION WILL BE PERFORMED MANUALLY.
18. ONLY NON-VIBRATORY EQUIPMENT WILL BE USED ON THE LANDFILL.
19. DURING EXCAVATION, LANDFILL MATERIAL MAY BE ENCOUNTERED. THE CONTRACTOR IS RESPONSIBLE FOR THE HEALTH AND SAFETY OF HIS/HER WORKERS. THE WORK DETAILED IN THIS PROJECT MAY REQUIRE THAT A HEALTH AND SAFETY PLAN BE PREPARED ACCORDING TO OSHA 1910.120.
20. IF HUMAN REMAINS ARE ENCOUNTERED DURING THE GRADING / OR CONSTRUCTION, THE CONTRACTOR SHALL STOP WORK AND IMMEDIATELY NOTIFY THE OFFICE OF MEDICAL INVESTIGATION (OMI) 272-3053.

DISCLOSURE STATEMENT:

THE SUBJECT PROPERTY IS LOCATED ON/NEAR A FORMER LANDFILL DUE TO THE SUBJECT PROPERTY BEING ON/NEAR A FORMER LANDFILL. CERTAIN PRECAUTIONARY MEASURES MAY NEED TO BE TAKEN TO ENSURE THE HEALTH AND SAFETY OF THE PUBLIC. RECOMMENDATIONS MADE BY A PROFESSIONAL ENGINEER WITH EXPERTISE IN LANDFILLS AND LANDFILL GAS ISSUES (AS REQUIRED BY THE MOST CURRENT VERSION OF THE "INTERIM GUIDELINES FOR DEVELOPMENT WITHIN CITY DESIGNATED LANDFILL BUFFER ZONES") SHALL BE CONSULTED PRIOR TO DEVELOPMENT OF THE SITE.

HEALTH AND SAFETY NOTE

THIS PROJECT IS BEING PERFORMED ON AND/OR NEAR THE FORMER CITY OF ALBUQUERQUE OWNED AND/OR OPERATED LOS ANGELES LANDFILL. THIS FORMER LANDFILL CONTAINS LANDFILL GAS WHICH CONSISTS OF VOLATILE ORGANIC COMPOUNDS, SOME OF WHICH CAN BE HARMFUL TO HUMANS, AND METHANE WHICH CAN EXPLODE GIVEN THE CORRECT CONDITIONS. THE LANDFILL CURRENTLY HAS A LANDFILL GAS EXTRACTION SYSTEM, WHICH IS DESIGNED TO REMOVE THE LANDFILL GASES AND BURN THEM AT A GROUND FLARE. THE LANDFILL GAS EXTRACTION SYSTEM WILL CONTINUE TO OPERATE DURING CONSTRUCTION OF THIS PROJECT; HOWEVER, THE OWNER CANNOT GUARANTEE THAT THE LANDFILL GAS EXTRACTION SYSTEM WILL OPERATE CONTINUOUSLY DURING THE DURATION OF THIS PROJECT AND/OR EVEN WHEN OPERATING ALL THE LANDFILL GAS AT THE LANDFILL IS BEING COLLECTED BY THE EXTRACTION SYSTEM. THE LANDFILL GAS EXTRACTION SYSTEM MAY SHUTDOWN DUE TO NO FAULT BY THE OWNER. THE OWNER WILL MAKE EVERY ATTEMPT TO GET THE EXTRACTION SYSTEM OPERATING AS SOON AS POSSIBLE IF SHUT DOWN OCCURS. THE CONTRACTOR IS RESPONSIBLE FOR THE HEALTH AND SAFETY OF HIS/HER WORKERS. THE WORK DETAILED IN THIS PROJECT MAY REQUIRE THAT A HEALTH AND SAFETY PLAN BE PREPARED ACCORDING TO OSHA 1910.120.

APPROVED FOR CONSTRUCTION

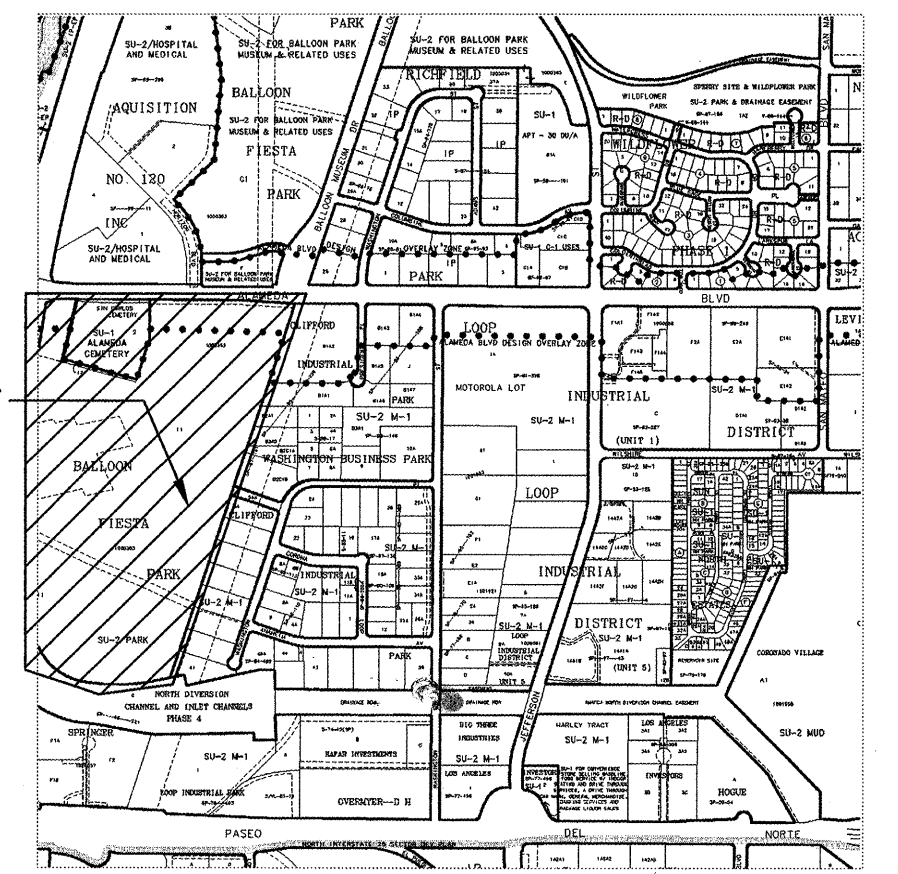
[Signature] Jan. 17, 2006
MARCIA PINCUS, P.E.
ENVIRONMENTAL HEALTH DEPARTMENT
CITY OF ALBUQUERQUE

APPROVED FOR CONSTRUCTION WITHIN AMAFCA R.O.W.

[Signature] 12-15-05
JOHN KELLY, P.E.
EXECUTIVE ENGINEER
ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

Bohannon & Huston
Court yard 1 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING & SPATIAL DATA & ADVANCED TECHNOLOGIES

PROJECT
SITE



VICINITY MAP
C-17-Z

NOTICE TO CONTRACTORS

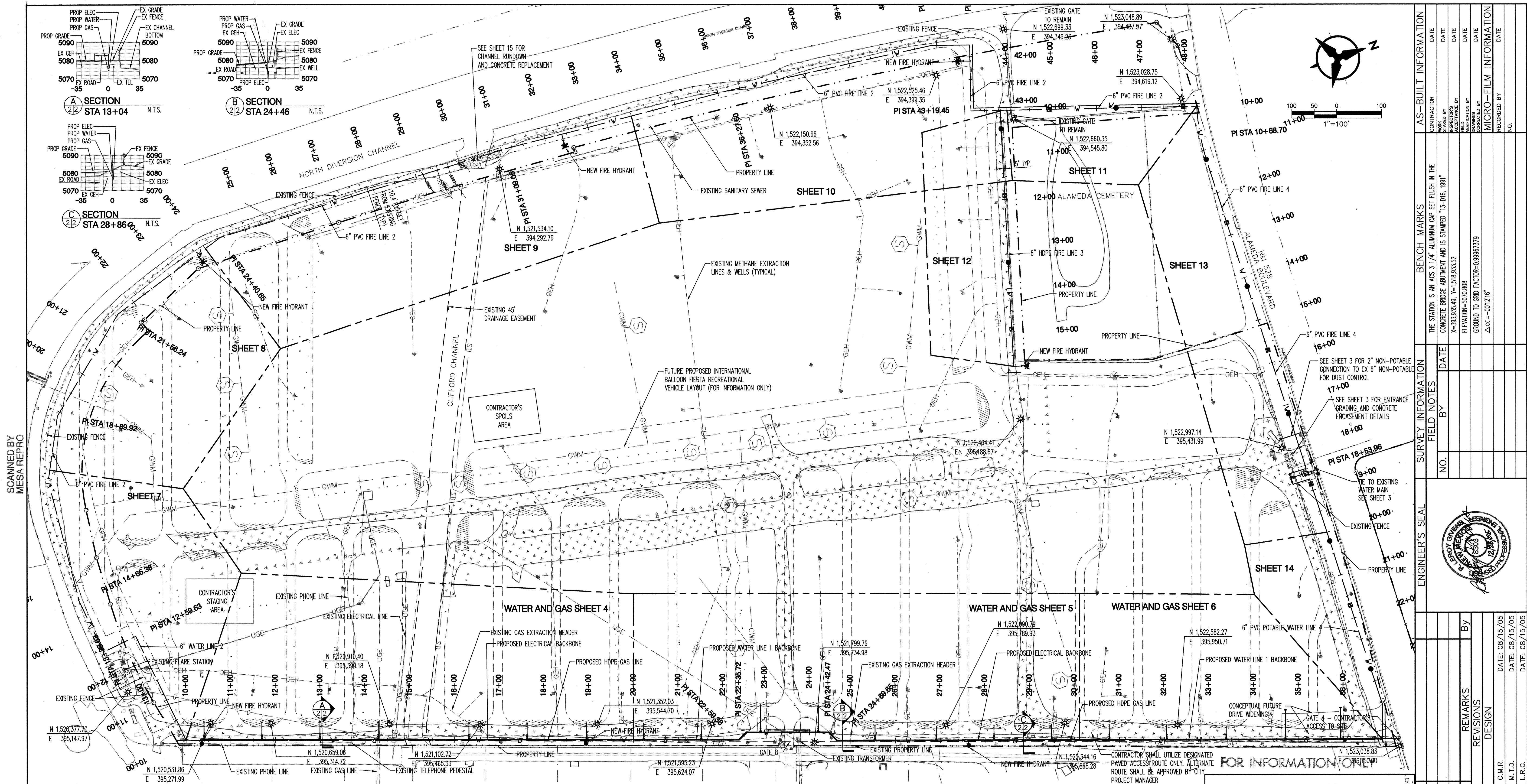
1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #7.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION COORDINATION ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. ALL WORK EFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
7. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS WAS EXISTING, OR AS INDICATED BY THIS PLAN SET.
8. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
9. CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
10. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
11. CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE WATER UTILITY DIVISION (857-8200) SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION SEVEN (7) WORKING DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

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

FOR INFORMATION ONLY

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DRC Chairman		<i>[Signature]</i> 1/17/06		*****	
		Transportation		<i>[Signature]</i> 1/17/06		APPROVED FOR CONSTRUCTION	
		Water/Wastewater		<i>[Signature]</i> 1/17/06		<i>[Signature]</i> 1/17/06 City Engineer Date	
		Hydrology		<i>[Signature]</i> 1/17/06			
		Parks		<i>[Signature]</i> 1/17/06			
Const. Mngmt.		<i>[Signature]</i> 1/17/06					
EHD		<i>[Signature]</i> 1/17/06					
City Project No.		662992		Sheet		Of	
				1		23	



GENERAL NOTES

- THE RV PARKING PLAN SHOWN HERE IS CONCEPTUAL AND MAY BE SUBJECT TO CHANGE. THE PARKING PLAN IS FOR REFERENCE PURPOSES ONLY AND IS NOT FOR CONSTRUCTION.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING LINES WITHIN THE CONSTRUCTION AREA AND KEEPING EXISTING SERVICES UNLESS OTHERWISE NOTED.
- LOCATIONS OF GROUND WATER REMEDIATION WELLS ARE BASED OFF AS-BUILT CONDITIONS.
- WHERE TRASH IS ENCOUNTERED WHEN TRENCHING FOR UTILITIES REMOVE 3' OF TRASH AND REPLACE WITH ENGINEERED FILL. COMPACT TO A MINIMUM OF 90%.
- USE HDPE FOR WATER LINE 3 SOUTH OF CEMETARY RATHER THAN PVC TO PREVENT RUPTURE DUE TO TO SETTLEMENT OF EXISTING LANDFILL MATERIALS. HDPE WATER LINES SHALL BE BEDDED ON TOP OF 2'x2' SECTION OF SAND.
- WATERLINE ALIGNMENT ALONG AMAFCA NORTH DIVERSION CHANNEL WITHIN AMAFCA ROW APPROVED WITH ENCROACHMENT LICENSE. SEE CONTRACT DOCUMENTS.
- THERE IS A 15 FT RADIUS EXCLUSION ZONE AROUND ALL GAS EXTRACTION WELLS, ISOLATION VALVES, CONDENSATE PUMPS, AND MONITORING WELLS. GRADING AND TRENCHING WITHIN THE EXCLUSION ZONE MUST BE PERFORMED BY HAND, OR BY MEANS THAT SHALL NOT DAMAGE/DESTROY THESE STRUCTURES.

LEGEND **

EXISTING
--SD-- STORM DRAIN
--SAS-- SANITARY SEWER
--G-- LOS ANGELES LANDFILL
--P-- PROPERTY BOUNDARY
--H-- EXISTING RV HOOKUPS
--M-- METHANE WELL*
--L-- LFG EXTRACTION SYSTEM WELL
--S-- EXISTING STREET LIGHT
--F-- EXISTING SUMP
--E-- EXISTING FENCE

* SYMBOLS REPRESENT APPROXIMATE LOCATION METHANE WELLS
** INCLUDES SURVEYED LOCATIONS OF EXISTING FEATURES

EXISTING

--GEH-- EXISTING METHANE GAS EXTRACTION PIPE
--W-- EXISTING WATER LINE
--UGE-- EXISTING UNDERGROUND ELECTRIC CABLE
--G-- EXISTING NATURAL GAS LINE
--T-- TELEPHONE LINE
--T-- TELEPHONE BOX
--GWM-- EXISTING GROUND WATER MONITORING LINE
--P-- EXISTING PAVEMENT

PROPOSED

* FUTURE AREA LIGHT
* NEW FIRE HYDRANT
* NEW VALVE
* NEW WATER LINE REDUCER
* NEW WATER SERVICE W/CAP AND VALVE
* NEW WATER LINE CAP
* NEW BENTONITE PLUG
* NEW GAS VENT RISER
* NEW PVC WATER LINE
* UGE-- NEW ELECTRICAL LINE
* G-- NEW GAS HEADER LINE
* HDPE-- HDPE FIRE LINE
* SHEET DESIGNATOR

RESTRAINING JOINT TABLE

MECHANICAL JOINTS	LENGTH OF PIPE WITH RESTRAINED JOINTS, FT.
6" x 6" TEE	103
6" x 6" TEE	92
6" x 6" CROSS	-
6" x 6" REDUCER	-
6" 90° HORIZ. BEND	52
6" 45° HORIZ. BEND	21
6" 22.5° HORIZ. BEND	10
6" 11.25° HORIZ. BEND	5
6" GATE VALVE CAP	134
6" 22.5° VERT. BEND	-
UPPER	-
LOWER	-

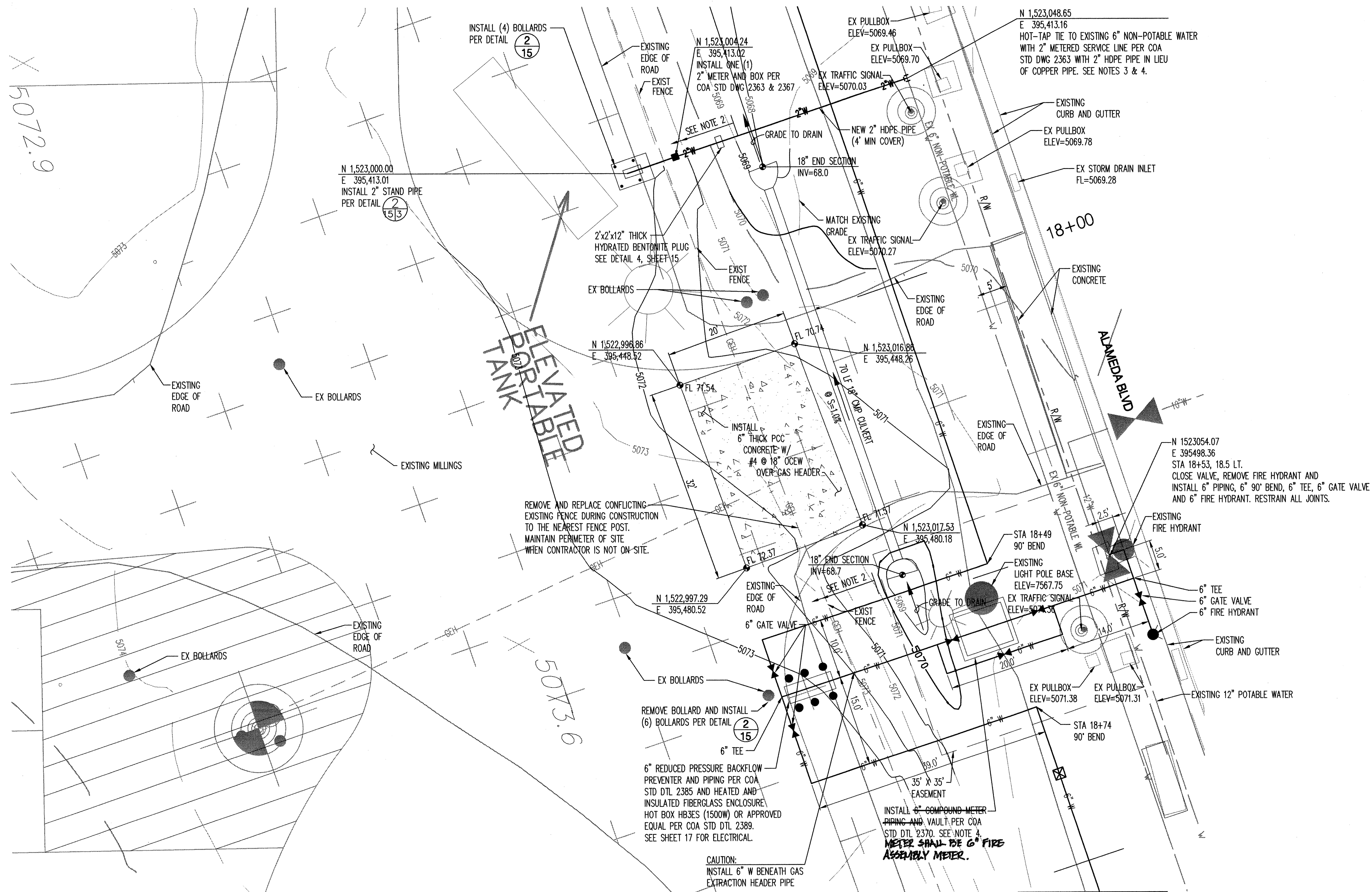
NOTE:

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

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
BALLOON FIESTA PARK RV PARKING LOT UTILITIES
OVERALL UTILITY PLAN

Design Review Committee APPROVED JAN 17 2006 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED CITY ENGINEER	Mo./Day/Yr. 2006/01/13	Mo./Day/Yr. 2006/01/13
City Project No. 662992	Zone Map No. C-17-Z	Sheet 2	Of 23



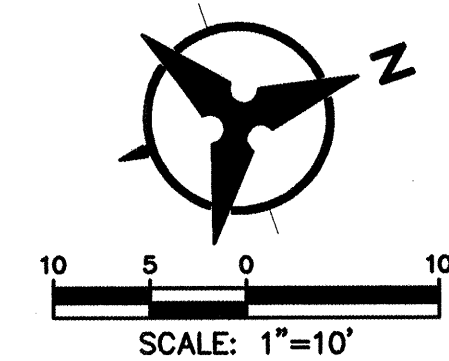
GENERAL NOTES:

1. AVOID DAMAGE TO EX 6" NON-POTABLE WATERLINE, EXISTING GAS LINE, SIGNALS, FIRE HYDRANT AND ALL OTHER EXISTING UTILITIES AND INFRASTRUCTURE.
2. REPLACE EXISTING HDPE LINER WITH LIKE KIND PRIOR TO INSTALLATION OF WATER PIPING AND CONCRETE AS PER MANUFACTURER'S SPECIFICATIONS - SNOW COMPANY
3. NOTIFY ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY (ABCWUA) JAMES CHAVEZ, PHONE 857-8284 72 HOURS PRIOR TO HOT-TAP CONNECTION AND SETTING OF METER.
4. ~~OWNER~~ **OWNER** SHALL MAKE APPLICATION FOR NEW METER SERVICE WITH ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY (ABCWUA) - ~~THE ABCWUA WILL SUPPLY AND INSTALL THE METER.~~

LEGEND **

- 5075--- EX INDEX CONTOUR
- 5073--- EX MINOR CONTOUR
- 5075--- PROPOSED INDEX CONTOUR
- 5076--- PROPOSED MINOR CONTOUR
- BOLLARD
- S--- STORM DRAIN
- S--- SANITARY SEWER
- 6EH--- LOS ANGELES LANDFILL PROPERTY BOUNDARY
- W--- GAS EXTRACTION PIPE
- W--- EXISTING WATER LINE
- UGE--- UNDERGROUND ELECTRIC CABLE
- G--- GAS LINE
- T--- TELEPHONE LINE
- ☐ TELEPHONE BOX
- ▽ RV HOOKUPS
- ☉ METHANE WELL*
- FL 70.74 PROPOSED SPOT ELEVATION
- ☉ FIRE HYDRANT
- ☉ EX LIGHT POLE
- ☐ PROPOSED CONCRETE
- ☉ EX TRAFFIC SIGNAL

* SYMBOLS REPRESENT APPROXIMATE LOCATION METHANE WELLS
** INCLUDES SURVEYED LOCATIONS OF EXISTING FEATURES



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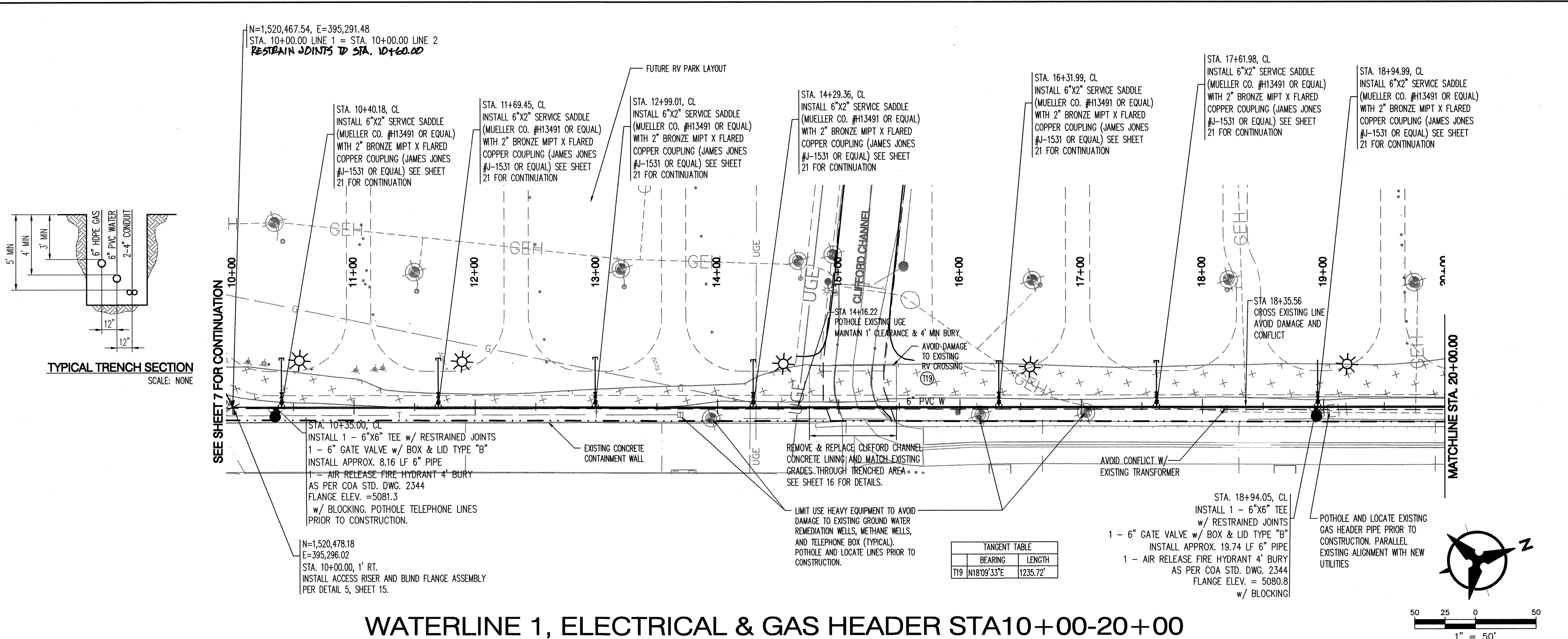
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**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

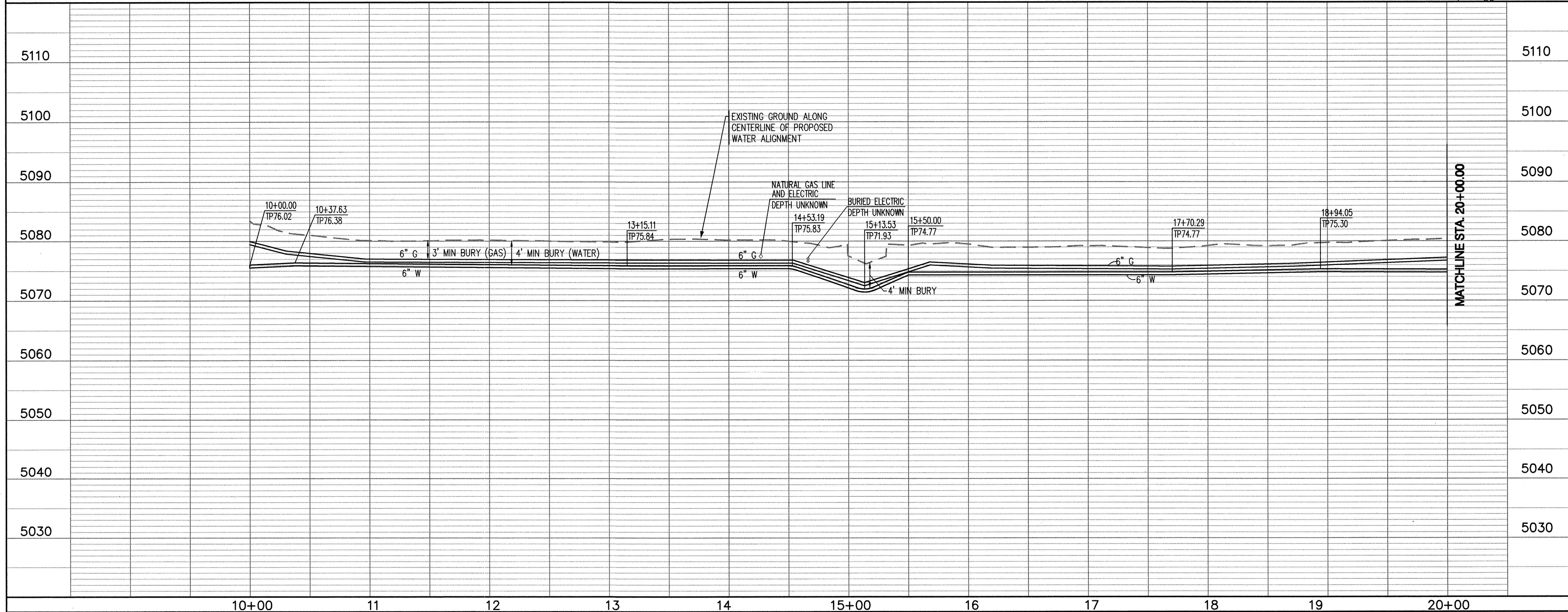
**BALLOON FIESTA PARK RV PARKING LOT UTILITIES
ALAMEDA GATE
PLAN AND DETAILS**

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JAN 17 2006 DESIGN REVIEW COMMITTEE	APPROVED CITY ENGINEER		

City Project No.	Zone Map No.	Sheet	Of
662992	C-17-Z	3	23

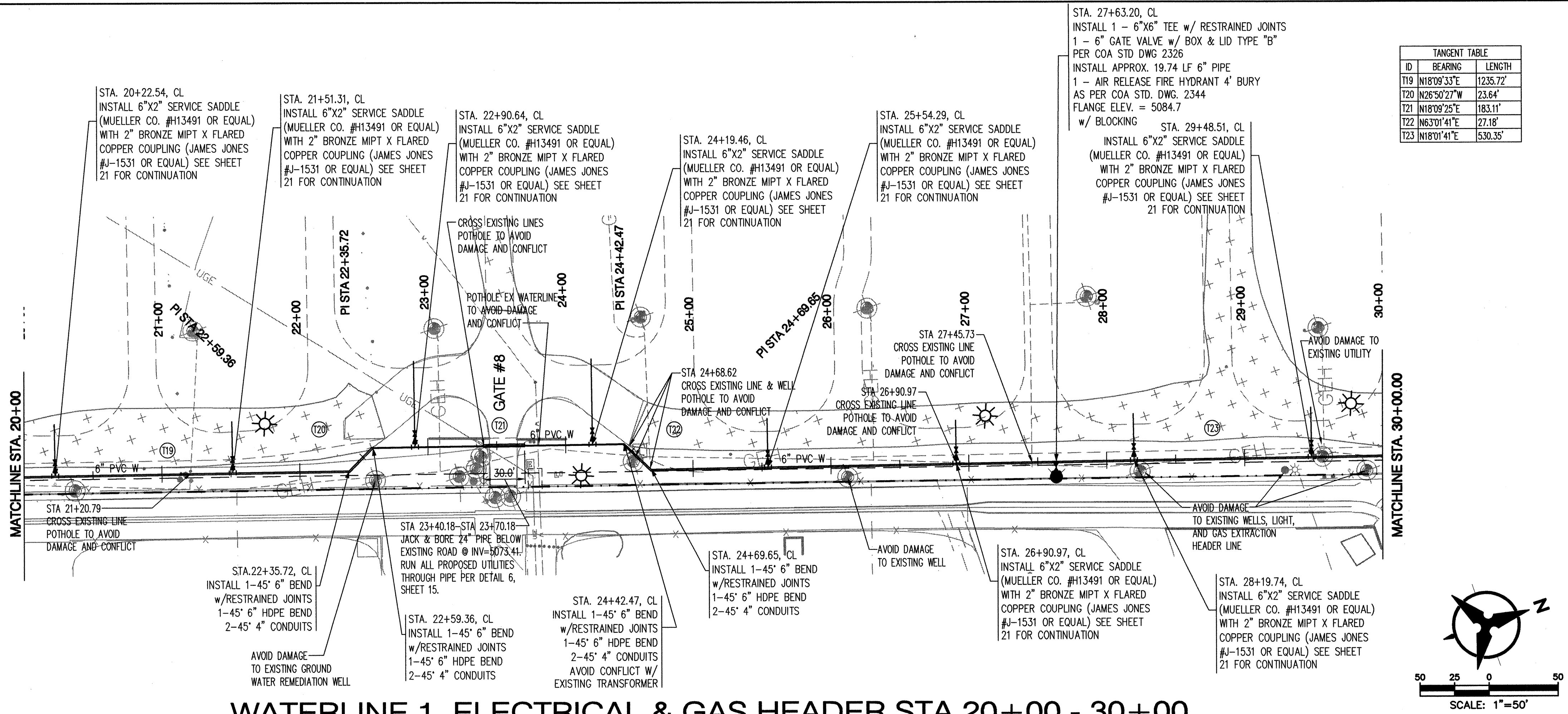


WATERLINE 1, ELECTRICAL & GAS HEADER STA10+00-20+00

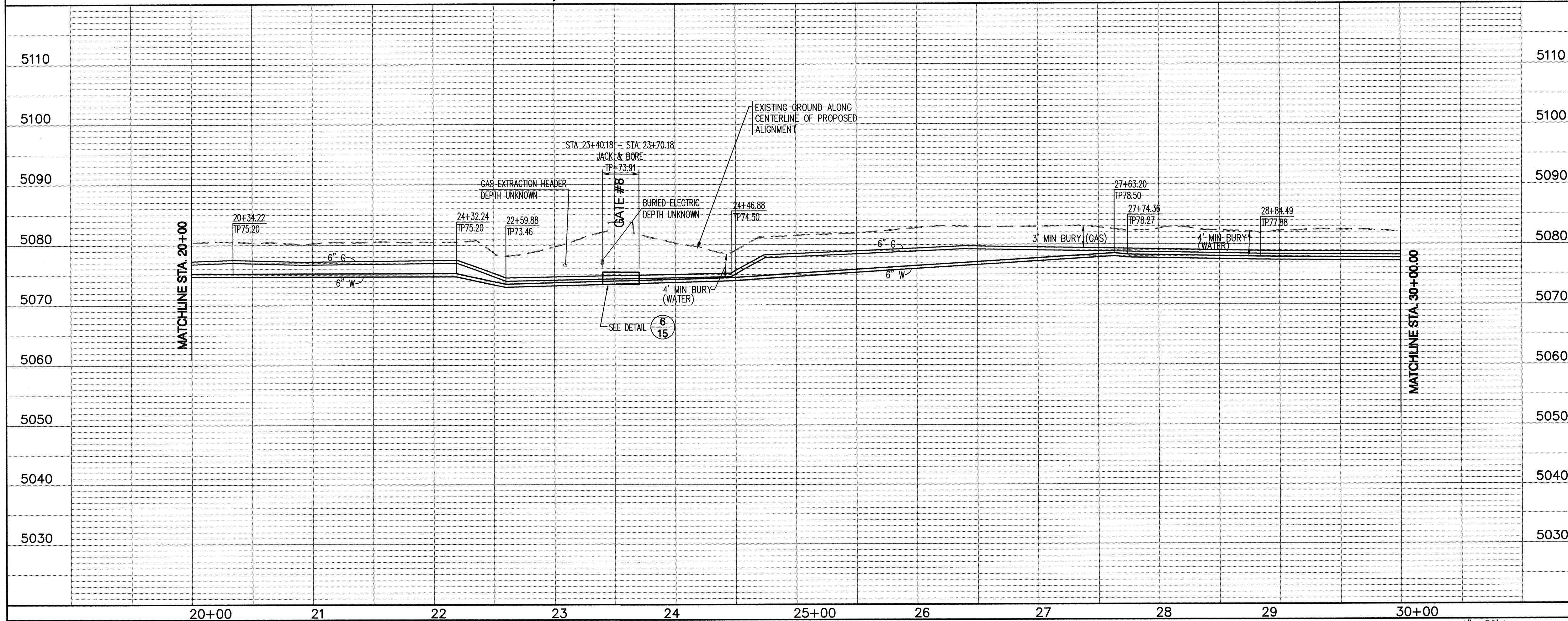


1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS THAT CROSS PROPOSED UTILITIES AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
2. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LIVE LINES THAT MAY BE DAMAGED DURING CONSTRUCTION.
3. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
4. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
5. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, ALL TYPES OF UTILITY LINES ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
6. LOCATE EXISTING LANDFILL GAS EXTRACTION LINES AND GROUND WATER REMEDIATION LINES PRIOR TO CONSTRUCTION. THERE ARE SEVERAL INSTANCES WHERE THE PROPOSED UTILITIES CROSS EXISTING LINEWORK AS IDENTIFIED ON THE PLANS. POTHOLE PRIOR TO CONSTRUCTION AND REVISE ALIGNMENTS AS REQUIRED TO AVOID DAMAGE TO EXISTING LINES. DAMAGE TO EXISTING LINES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE. ONLY USE NON-VIBRATORY EQUIPMENT.
7. LIMIT THE USE OF HEAVY EQUIPMENT TO AVOID DAMAGE TO EXISTING GROUND WATER REMEDIATION WELLS, METHANE WELLS, AND EXISTING LINES. HEAVY EQUIPMENT IS NOT ALLOWED WITHIN 15' RADII OF EXISTING WELLS.

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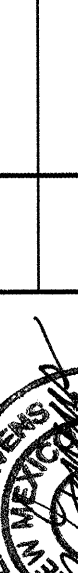
WATERLINE 1, ELECTRICAL & GAS HEADER STA 20+00 - 30+00



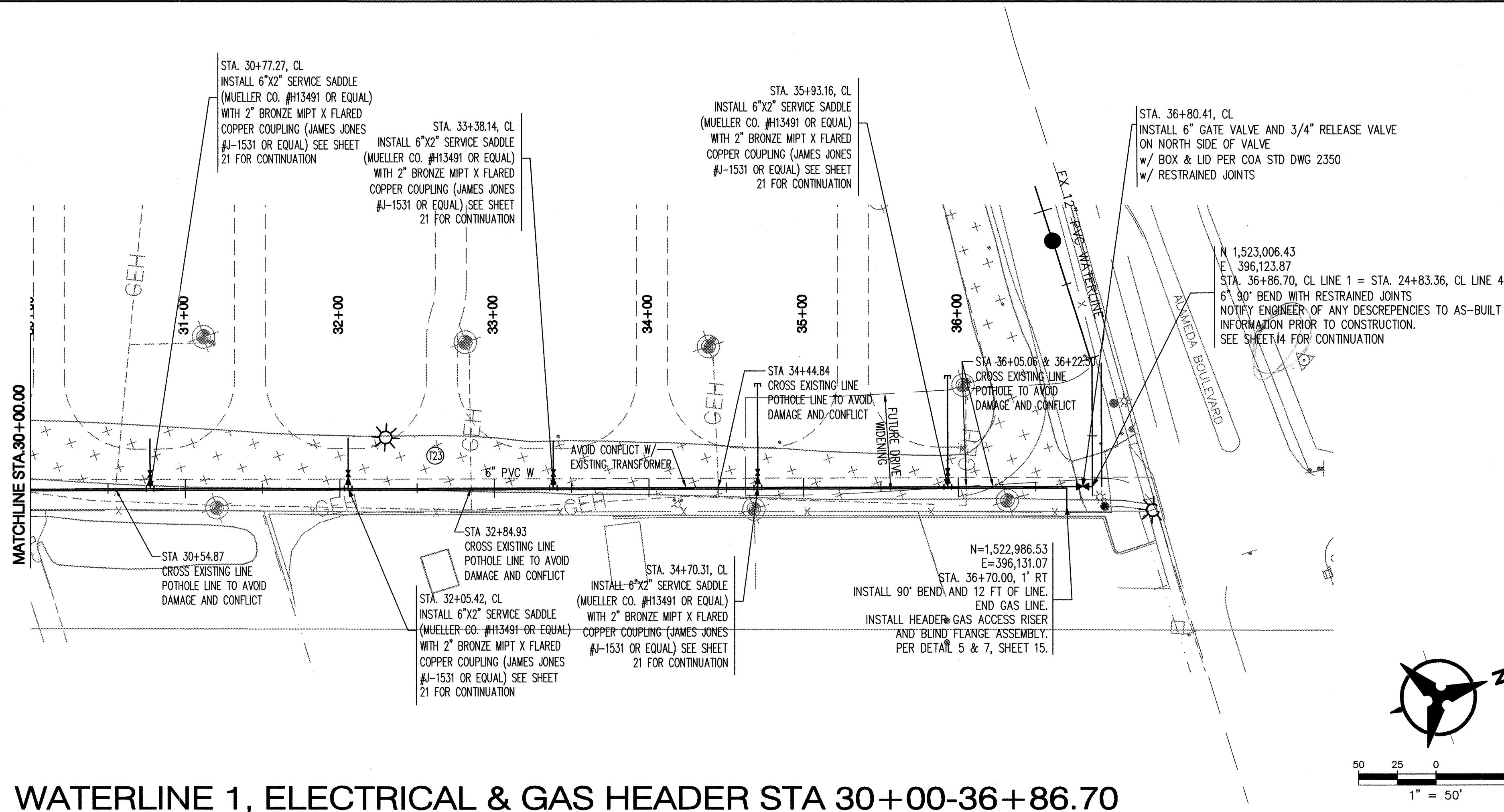
SCALE: $1'' = 50'$ (HORIZ.)
 $1'' = 10'$ (VERT.)

NOTES

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2. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LIVE LINES, THAT MAY BE DAMAGED DURING CONSTRUCTION.
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7. LIMIT THE USE OF HEAVY EQUIPMENT TO AVOID DAMAGE TO EXISTING GROUND WATER REMEDIATION WELLS, METHANE WELLS, AND EXISTING LINES. HEAVY EQUIPMENT IS NOT ALLOWED WITHIN 15' RADIUS OF EXISTING WELLS.
8. SEE TYPICAL TRENCH SECTION ON SHEET 4.

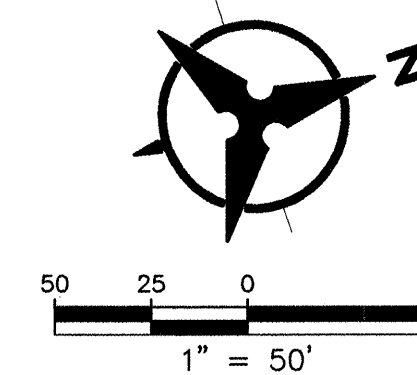
<div>ENGINEERING LOT UTILITIES PER STA 20+00 - 30+00</div> <div>Sheet 5 Of 23</div>										<div>ENGINEER'S SEAL</div> <div></div>										<div>SURVEY INFORMATION</div> <div>FIELD NOTES</div> <table><thead><tr><th colspan="2">NO.</th><th colspan="2">BY</th><th>DATE</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td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Tangent Table		
ID	BEARING	LENGTH
123	N18°01'41"E	686.70'



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8. SEE TYPICAL TRENCH SECTION ON SHEET 4.



MATCH-LINE STA 30+00.00

30+00

33

32

33

34

35+00

36

37

38

39

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

5110

5100

5090

5080

5070

5060

5050

5040

5030

5110

5100

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FOR INFORMATION ONLY

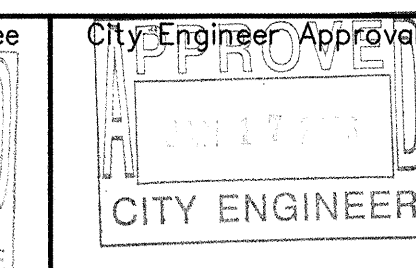
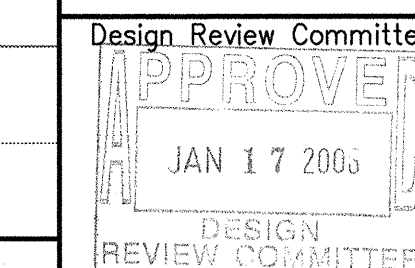
Bohannon & Huston

Court yard | 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING & SPATIAL DATA & ADVANCED TECHNOLOGIES



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

BALLOON FIESTA PARK RV PARKING LOT UTILITIES
WATERLINE 1, ELECTRICAL & GAS HEADER STA 30+00-36+86.70
PLAN AND PROFILE



Mo./Day/Yr.	Mo./Day/Yr.

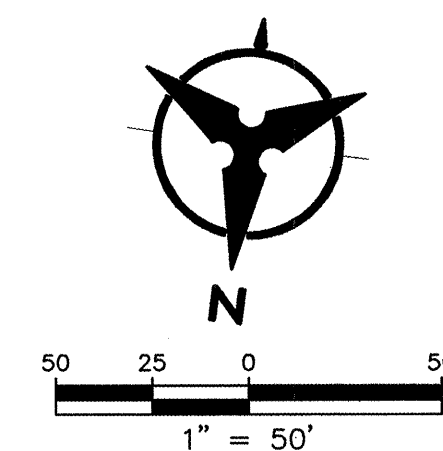
City Project No.

662992

Zone Map No.
C-17-7

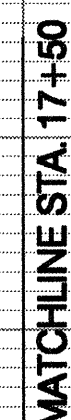
Sheet 6 Of 23

DWG_NAME



WATERLINE 2 STA 10+00-17+50

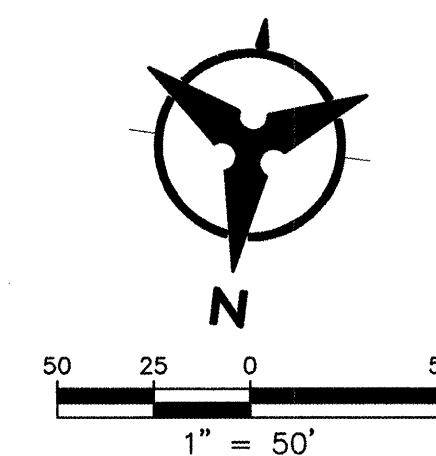
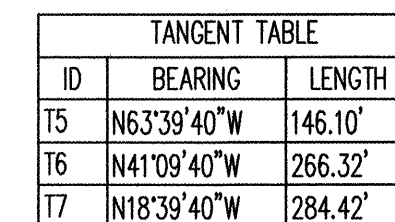
TANGENT TABLE		
ID	BEARING	LENGTH
T1	S82°35'20"W	259.63'
T2	S07°24'40"E	80.00'
T3	S82°35'20"W	125.74'
T4	N86°09'40"W	278.44'



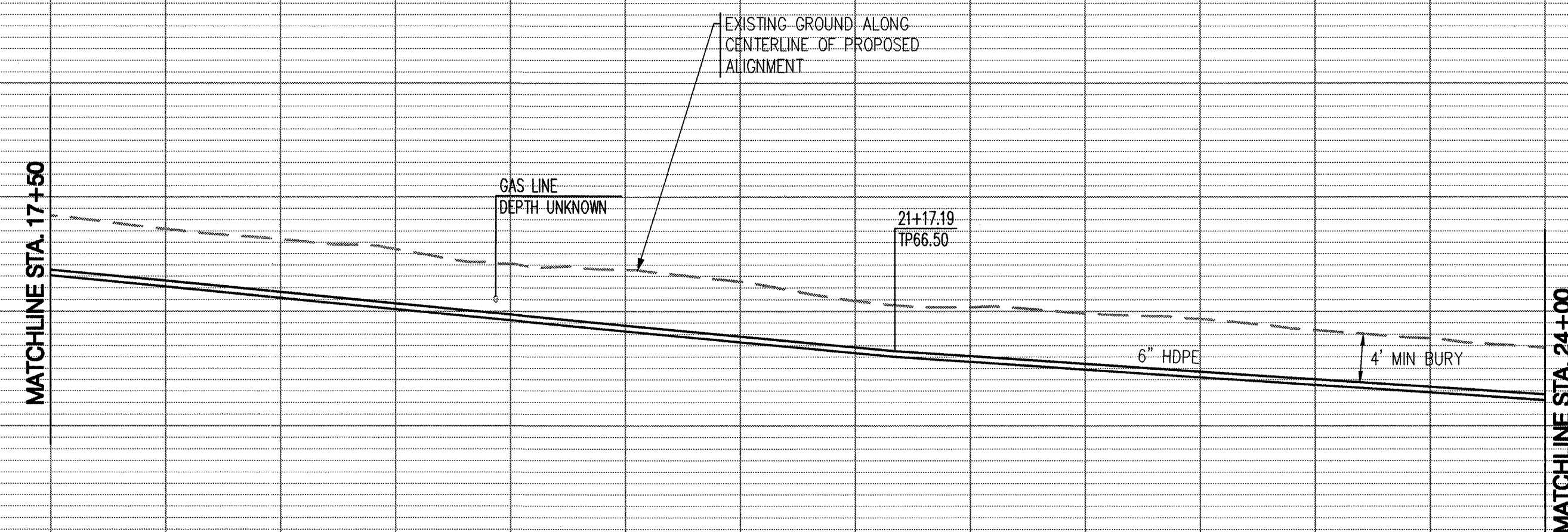
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[illegible]

DWC_NAME
UNDOXX

EXISTING GROUND ALONG
CENTERLINE OF PROPOSED
ALIGNMENT



This profile view shows the proposed road alignment from station 17+50 to 24+00. The vertical axis represents elevation in feet, ranging from 5020 to 5100. The horizontal axis represents stationing, with major grid lines every 100 feet and minor grid lines every 10 feet.

The profile includes the following elements:

- EXISTING GROUND ALONG CENTERLINE OF PROPOSED ALIGNMENT:** Represented by a dashed line.
- PROPOSED ROAD GRADE:** Represented by a solid line.
- GAS LINE DEPTH UNKNOWN:** A vertical line indicating the location of a gas line.
- 21+17.19 TP66.50:** A point of vertical intersection (PVI) at station 21+17.19 with an elevation of 66.50 feet.
- 6" HDPE:** A label indicating the material and size of the proposed road structure.
- 4' MIN BURY:** A label indicating the minimum burial depth of the proposed road structure.
- MATCHLINE STA. 17+50:** The starting point of the profile.
- MATCHLINE STA. 24+00:** The ending point of the profile.

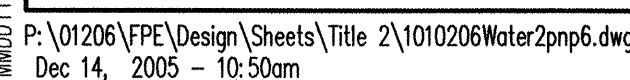
The profile shows a general downward slope from station 17+50 to 24+00. The existing ground is consistently higher than the proposed road grade. The proposed road grade is shown with a 4-foot minimum burial depth.

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

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[illegible]

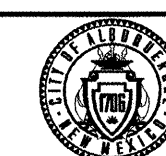
DWG_NAME
MMDDYY



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FOR INFORMATION ONLY

Bohannon  **Huston** INC.
 Courtyard | 7500 Jefferson St. NE Albuquerque, NM 87109
ENGINEERING **SPATIAL DATA** **ADVANCED TECHNOLOGY**



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

BALLOON FIESTA PARK RV PARKING LOT UTILITIES
WATERLINE 2 EXTENSION 24+00 - 34+00
PLAN AND PROFILE

Design Review Committee

APPROVED

JAN 17 2005

DESIGN
REVIEW COMMITTEE

City Engineer Approval

APPROVED

CITY ENGINEER

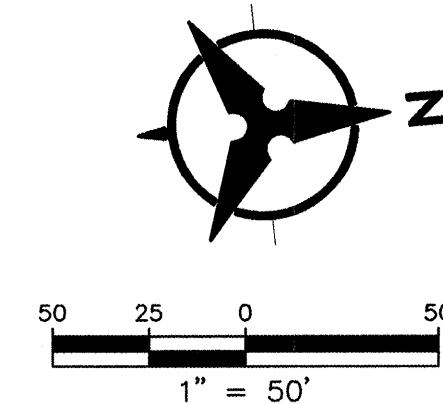
City Project No.

Zone Map No.

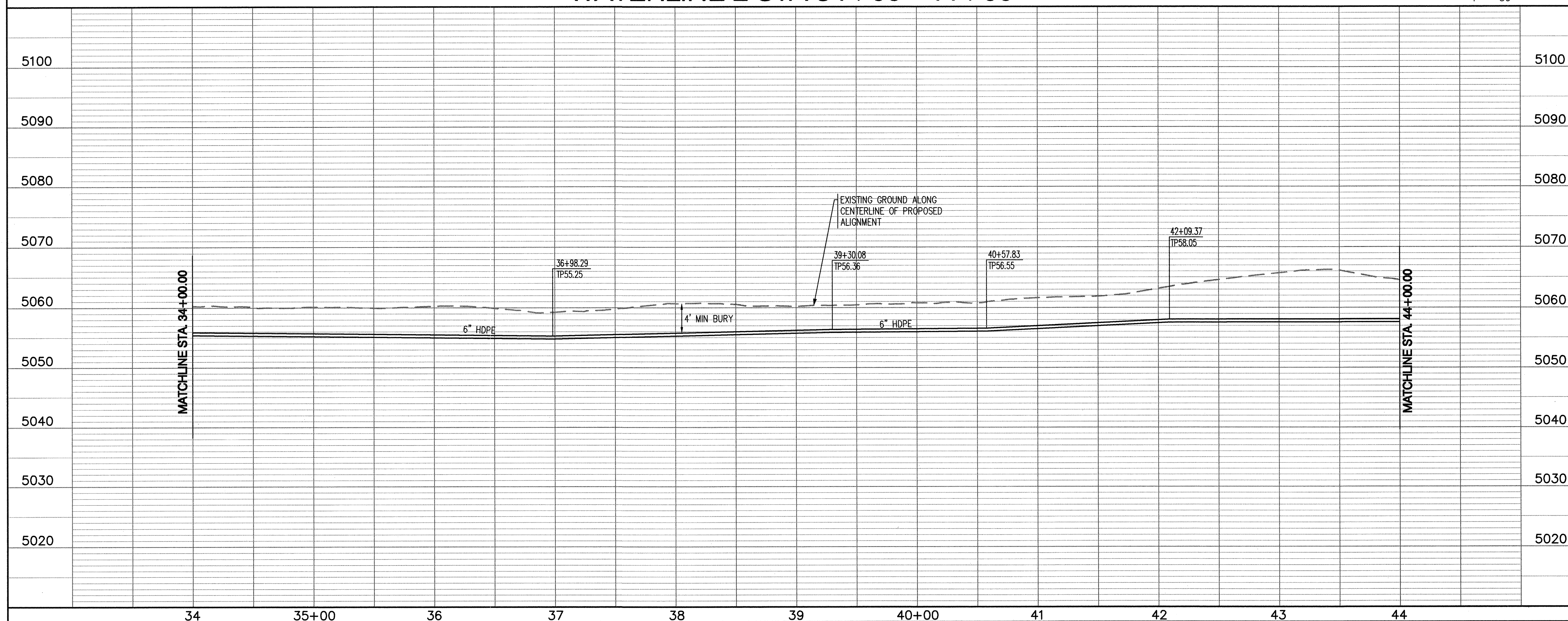
Sheet	Of
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23

TANGENT TABLE		
ID	BEARING	LENGTH
T9	N03°37'49"E	388.22'
T10	N05°50'31"E	459.27'
T11	N17°05'31"E	86.74'
T12	S72°54'29"E	145.84'
T13	N17°05'31"E	504.02'



WATERLINE 2 STA 34+00 - 44+00



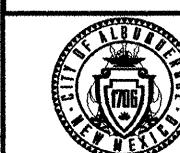
SCALE: $1'' = 50'$ (HORIZ.)
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[illegible]

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 Courtyard | 7500 Jefferson St. NE Albuquerque, NM 87109
ENGINEERING  **SPATIAL DATA**  **ADVANCED TECHNOLOGY**

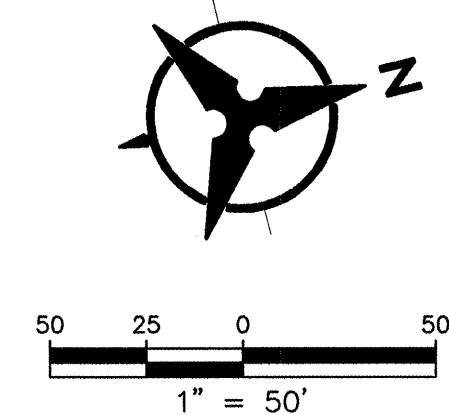


CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

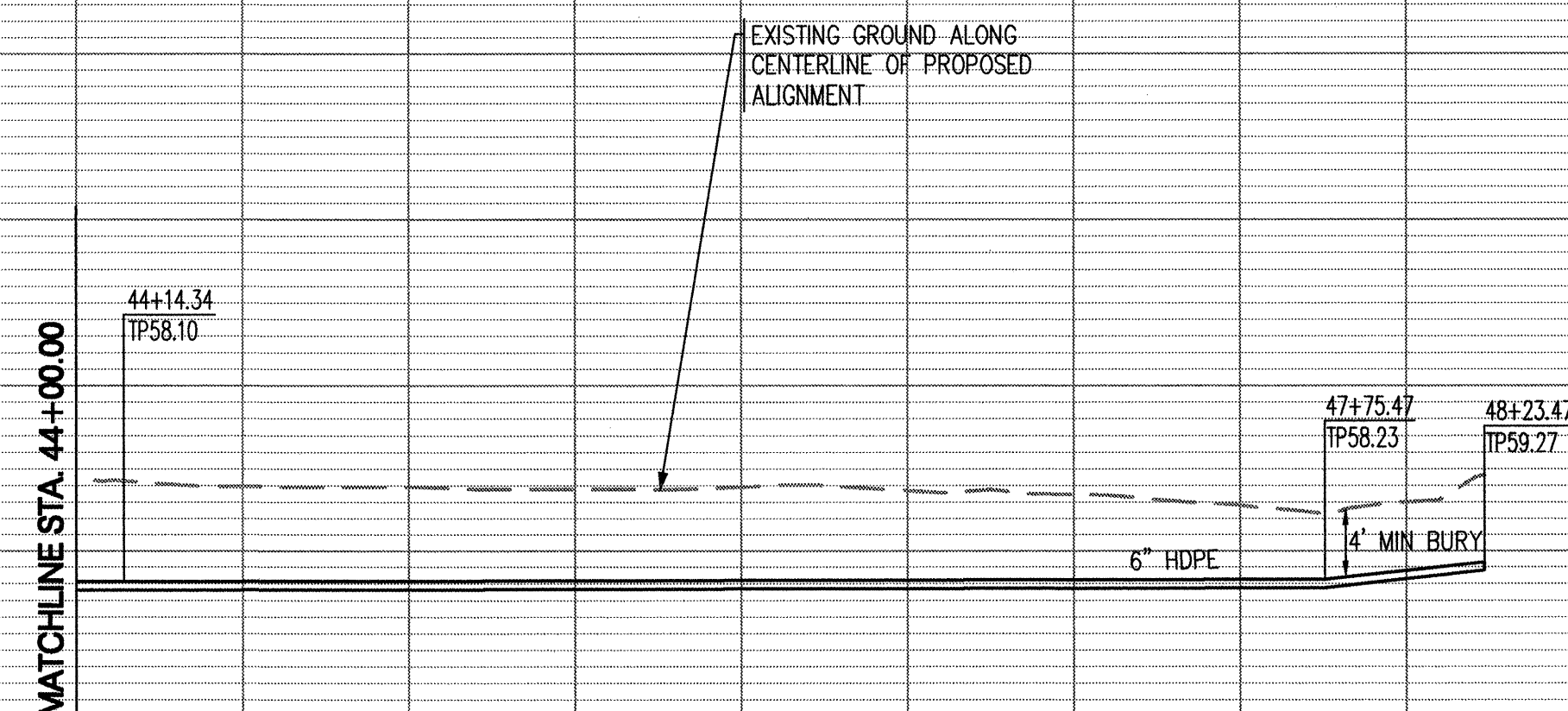
BALLOON FIESTA PARK RV PARKING LOT UTILITIES
WATERLINE 2 EXTENSION 34+00 - 44+00
PLAN AND PROFILE

[illegible]


City Project No.	662992	Zone Map No.	C-17-7	Sheet	10	Of	23
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WATERLINE 2 STA. 44+00.00 - 48+23.47



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						ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION			
								FIELD NOTES		THE STATION IS AN AUCS 3 1/4" ALUMINUM CAP SET FLUSH IN THE CONCRETE BRIDGE ABUTMENT AND IS STAMPED "13-016, 1981"		CONTRACTOR			
								NO.		BY		DATE		WORK STAGED BY	
												DATE		DATE	
										X=953335.49, Y=1598333.52		ACCEPTANCE BY			
										ELEVATION=5070.008		FIELD ELEVATION BY			
										GROUND TO GRID FACTOR=0.99867379		DRAWINGS CORRECTED BY			
										Δ X = -4012.16"		MICRO-FILM INFORMATION			
										RECORDED BY		DATE			
										NO.					
		</													

FOR INFORMATION ONLY

Bohannon ▲ Huston^{INC.}

Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

BALLOON FIESTA PARK RV PARKING LOT UTILITIES
WATERLINE 2 EXTENSION STA. 44+00.00 - 48+23.47
PLAN AND PROFILE

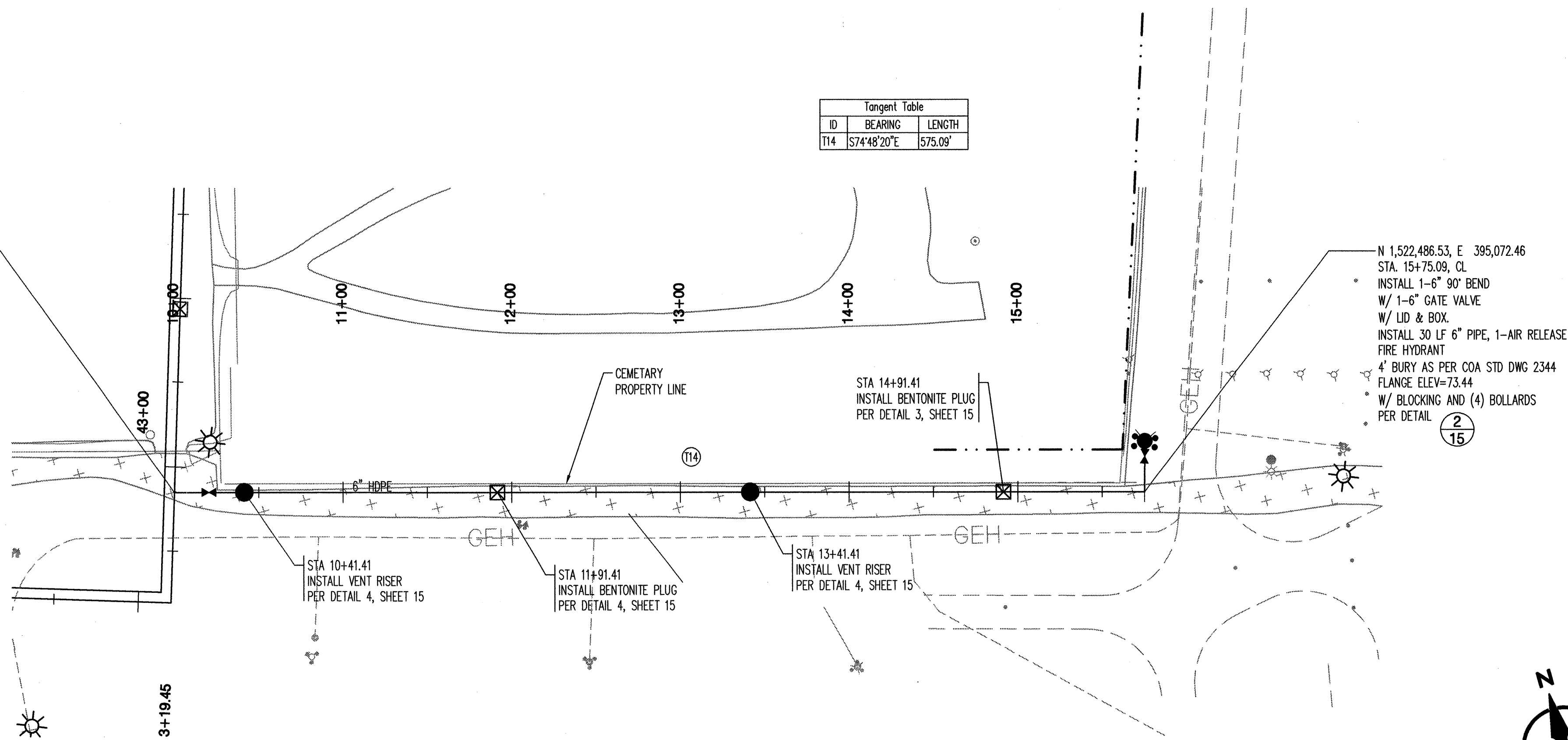
Design Review Committee
APPROVED
JAN 17 2006
DESIGN
REVIEW COMMITTEE

City Engineer Approval

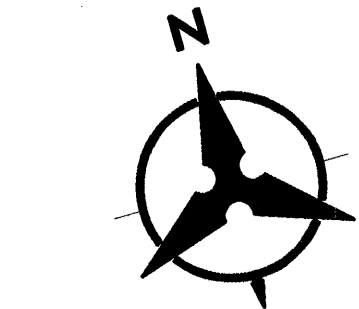
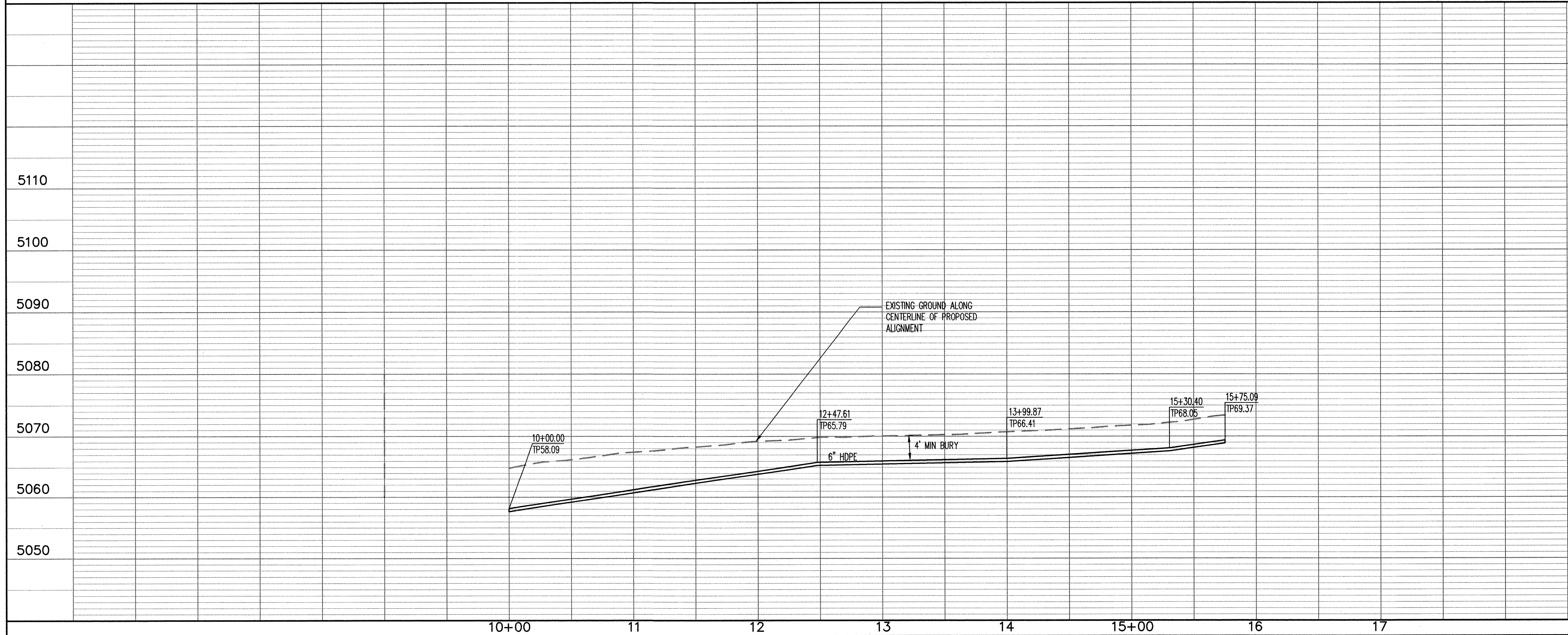
City Project No.	662992	Zone Map No.	C-17-7	Sheet	11	Of	23
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N 1,522,637.26
E 394,517.47
STA 10+00.00 LINE 3=
STA 43+84.89 LINE 2
INSTALL 1-6"x6"x6" TEE W/ RESTRAINED JOINTS.
INSTALL 1-6" GATE VALVE ON EAST LEG.

Tangent Table		
ID	BEARING	LENGTH
T14	S74°48'20"E	575.09'



WATERLINE 3 10+00.00 - 15+75.09



50 25 0 50
1" = 50'

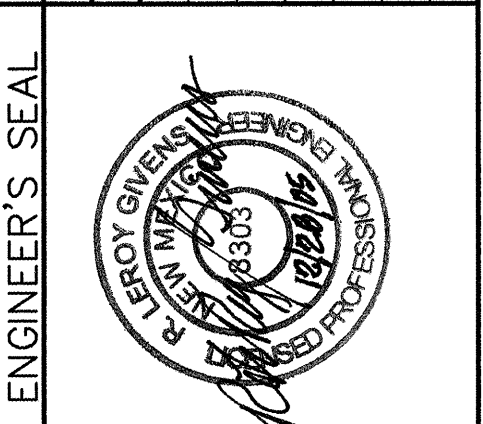
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AS-BUILT INFORMATION	
CONTRACTOR	DATE
WORK	DATE
DESIGNED BY	DATE
ACCEPTANCE BY	DATE
FIELD	DATE
REVISIONS	DATE
CHECKED BY	DATE
RECORDED BY	DATE

BENCH MARKS	
THE STATION IS AN ACS 3 1/4" ALUMINUM CAP SET FLUSH IN THE CONCRETE BRIDGE ABUTMENT AND IS STAMPED "13-DIG, 1991"	DATE
X=393,935.49 Y=1,398,933.52	DATE
ELEVATION=5070.808	DATE
GROUND TO GRID FACTOR=0.99867379	DATE
ΔΔΔ = -0012'16"	DATE

SURVEY INFORMATION	
FIELD NOTES	DATE
BY	DATE
NO.	DATE



REVISIONS	By	DATE
DESIGN		08/15/05
Drawn By: MTD	Checked By: LRG	DATE: 08/15/05

FOR INFORMATION ONLY

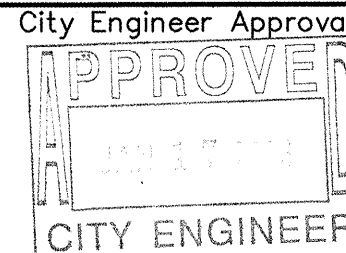
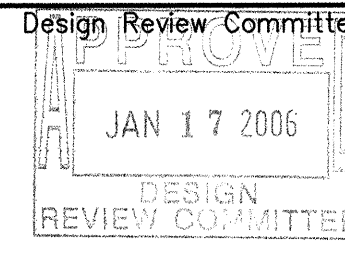
Bohannon & Huston

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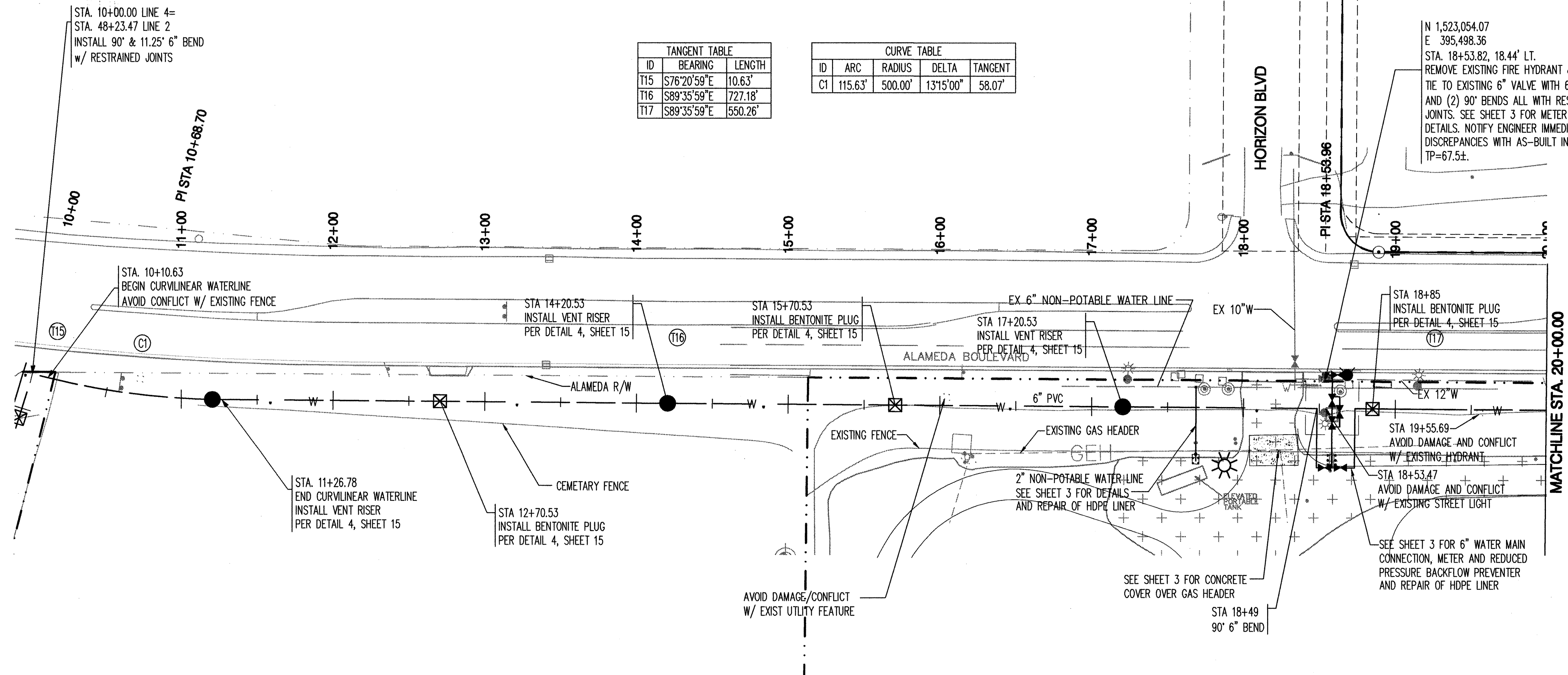
**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

**BALLOON FIESTA PARK RV PARKING LOT UTILITIES
WATERLINE 3 EXTENSION 10+00.00 - 15+75.09
PLAN AND PROFILE**

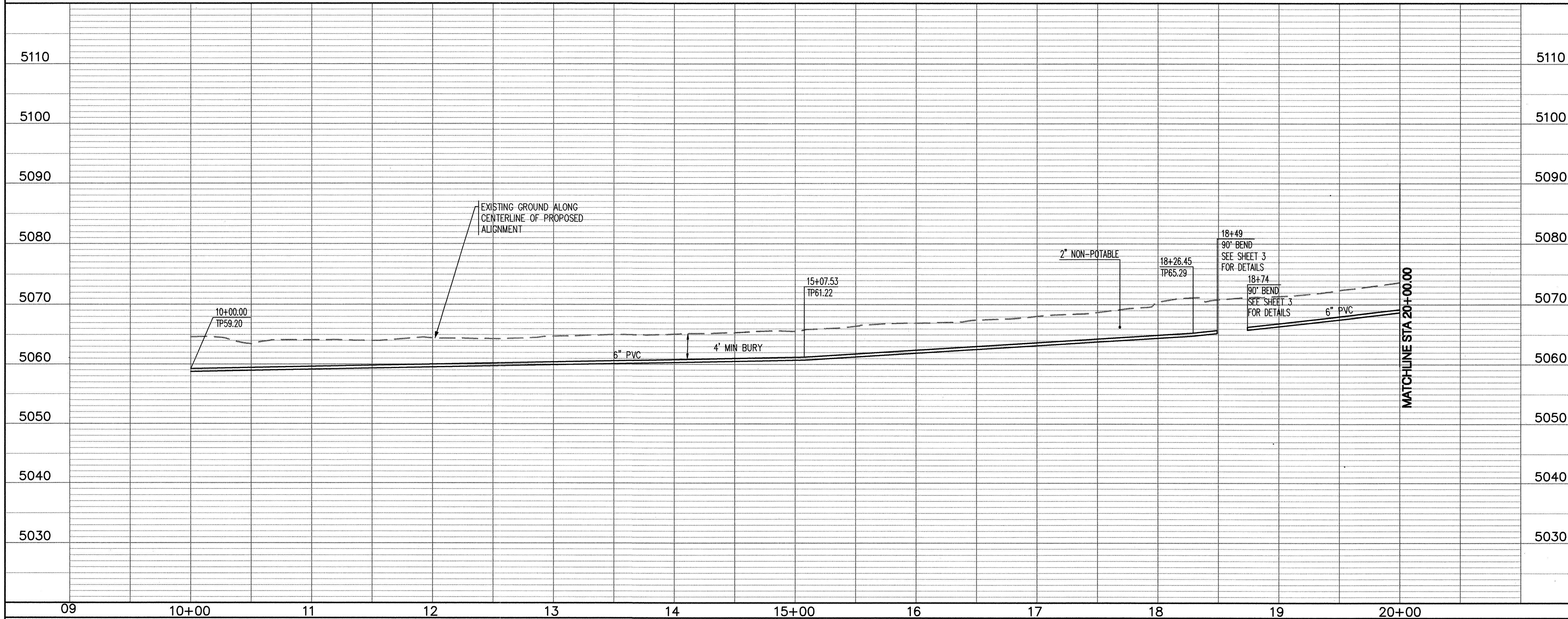


Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
662992	C-17-7	12	23



WATERLINE 4 10+00 - 20+00



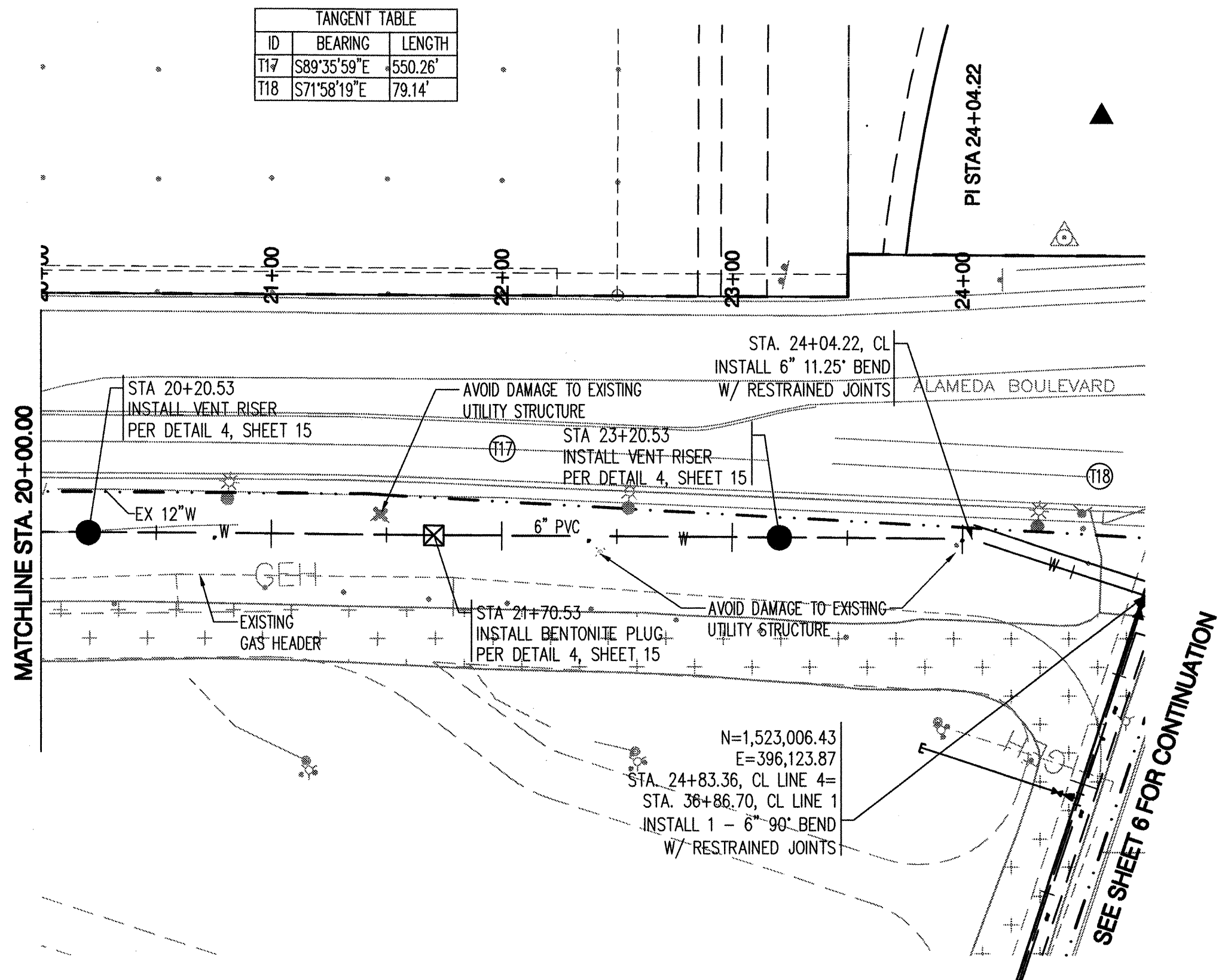
SCALE: 1" = 50' (HORIZ.)
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NOTES

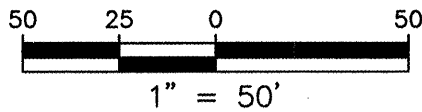
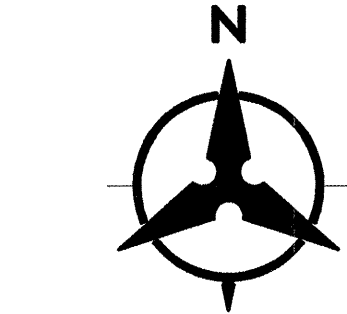
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[illegible]

SCANNED BY
MESA REPRO



WATERLINE 4 20+00 - 24+83.36



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SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
FIELD NOTES		THE STATION IS AN ACS 3 1/2" ALUMINUM CAP SET FLUSH IN THE CONCRETE BRIDGE ABUTMENT AND IS STAMPED "15-DIG, 1991"		CONTRACTOR	
NO.	BY	DATE		WORK STAMPED BY	DATE
				ACCEPTANCE BY	DATE
				FIELD LOCATION BY	DATE
				REMARKS	DATE
				CORRECTED BY	DATE
				ΔΔΔ = -0012'16"	
				RECORDED BY	DATE
				NO.	

ENGINEER'S SEAL		REVISIONS	
		No.	Date
		By	
		DESIGN	
		Drawn By:	MTD
		Checked By:	LRG
		DATE:	08/15/05
		DATE:	08/15/05
		DATE:	08/15/05

FOR INFORMATION ONLY

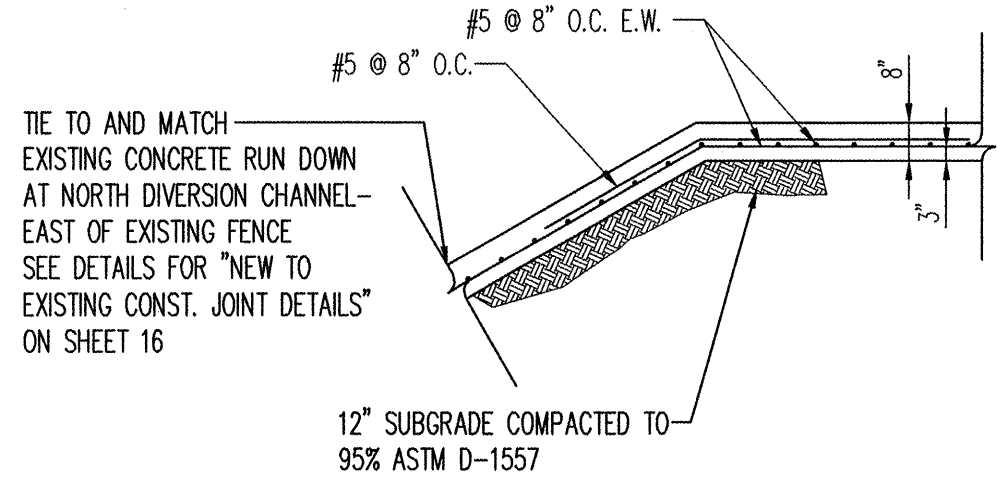
Bohannon & Huston, Inc.
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
BALLOON FIESTA PARK RV PARKING LOT UTILITIES
WATERLINE 4 EXTENSION 20+00 - 24+83.36
PLAN AND PROFILE

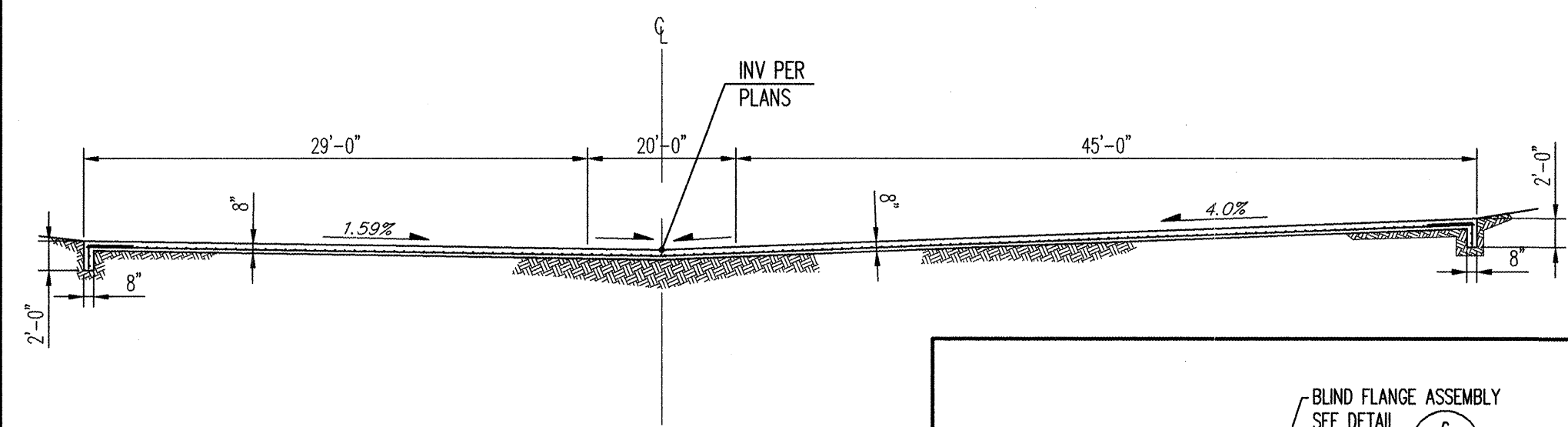
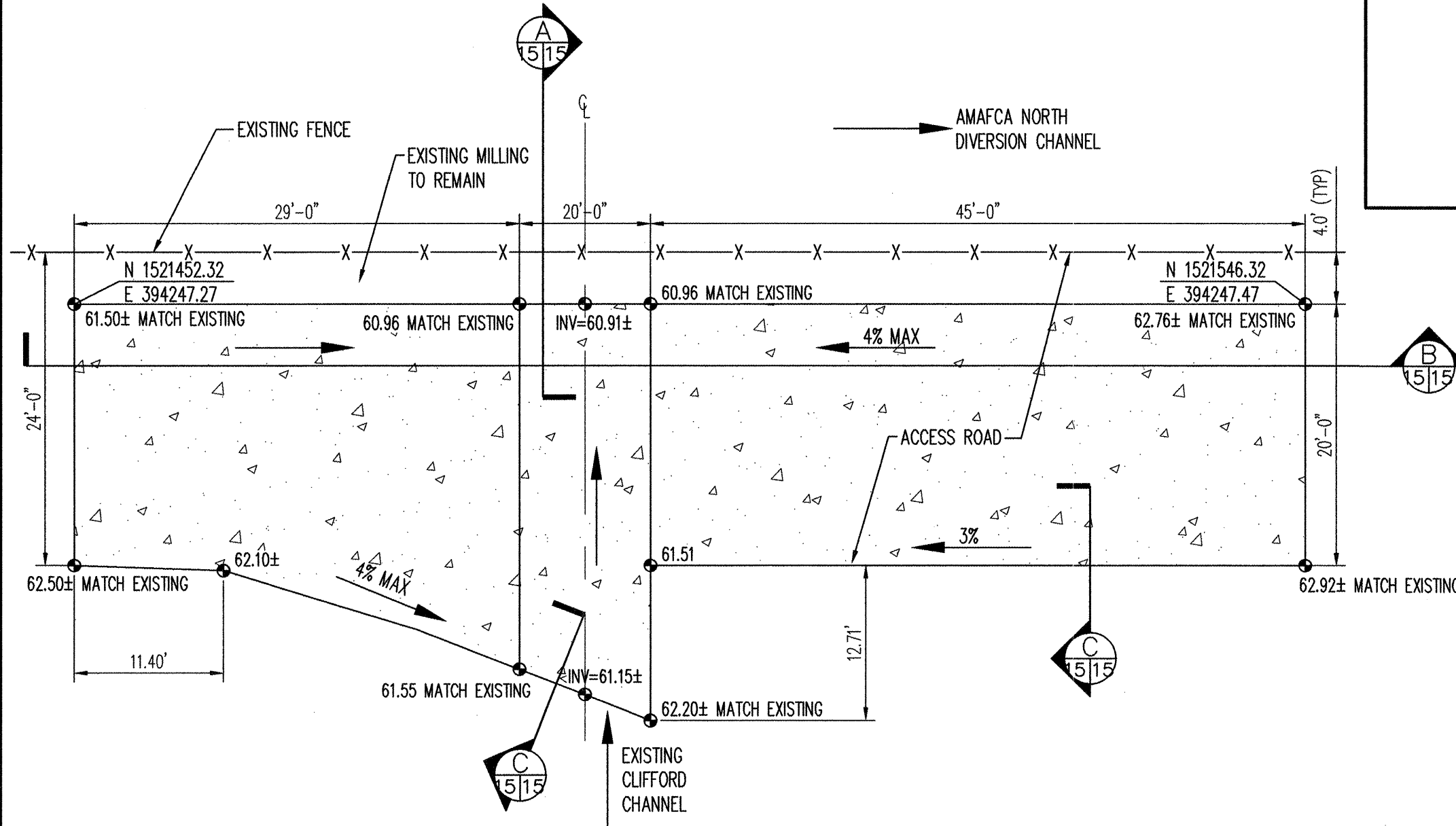
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 662992 Zone Map No. C-17-7 Sheet 14 Of 23

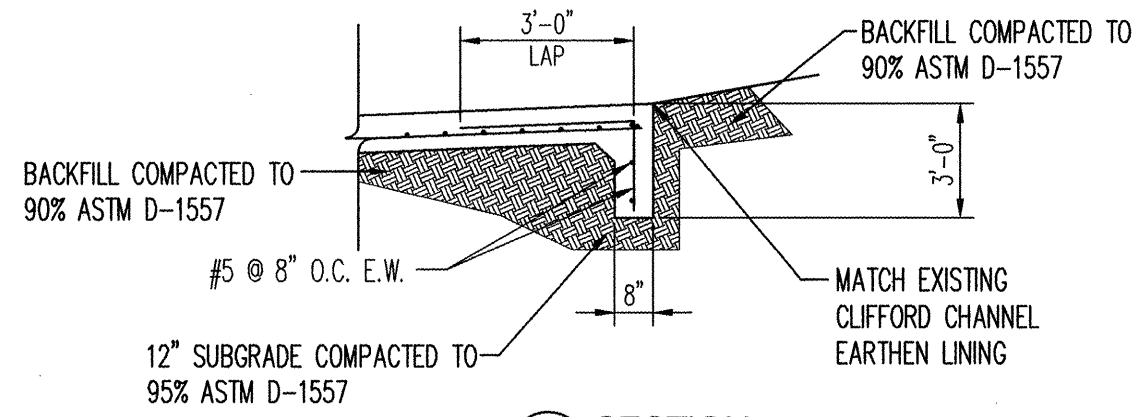
SCANNED BY
MESA REPRO



SECTION
A-5119
N.T.S.

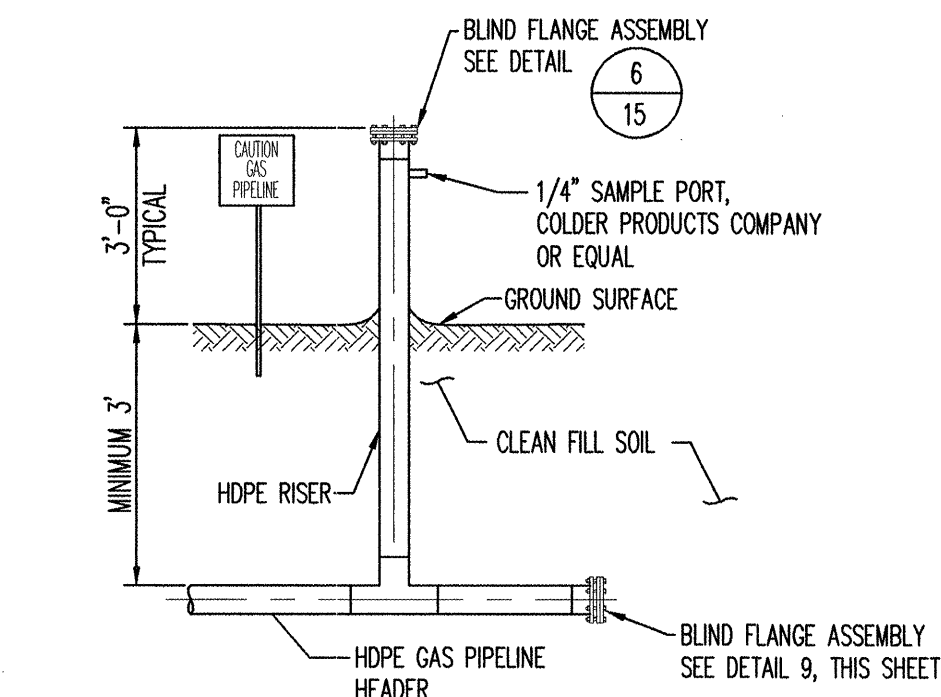


SECTION
B-5119
N.T.S.



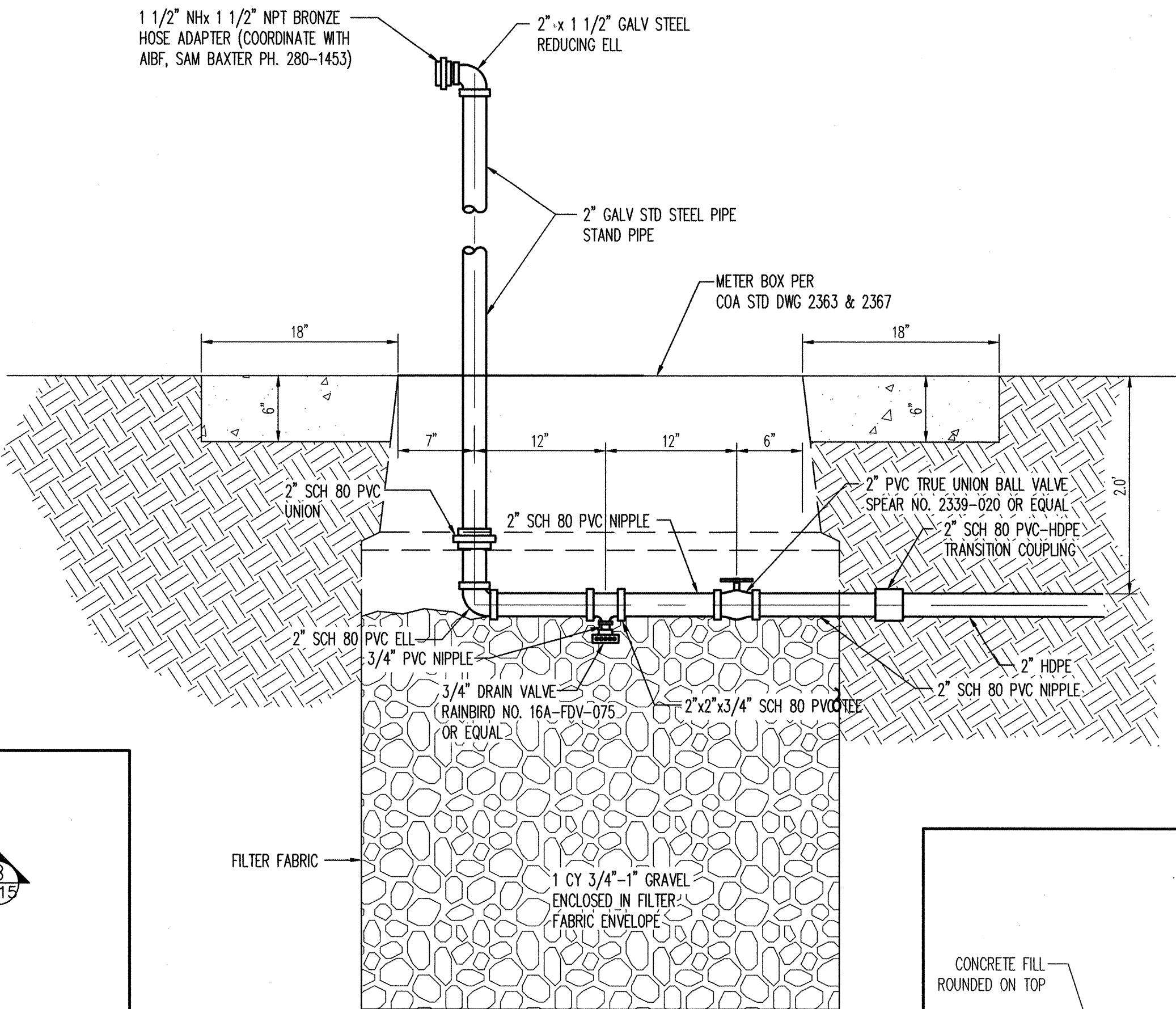
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C-5119
N.T.S.

SECTION
D-5119
N.T.S.

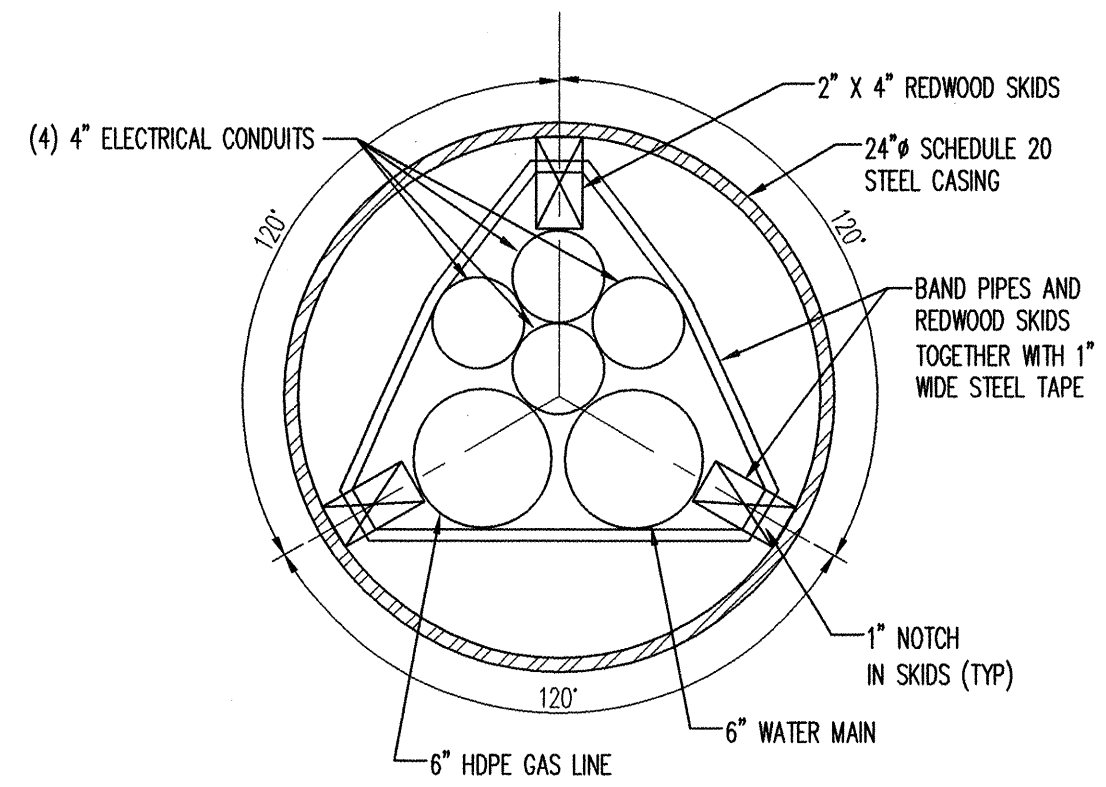


SECTION
E-5119
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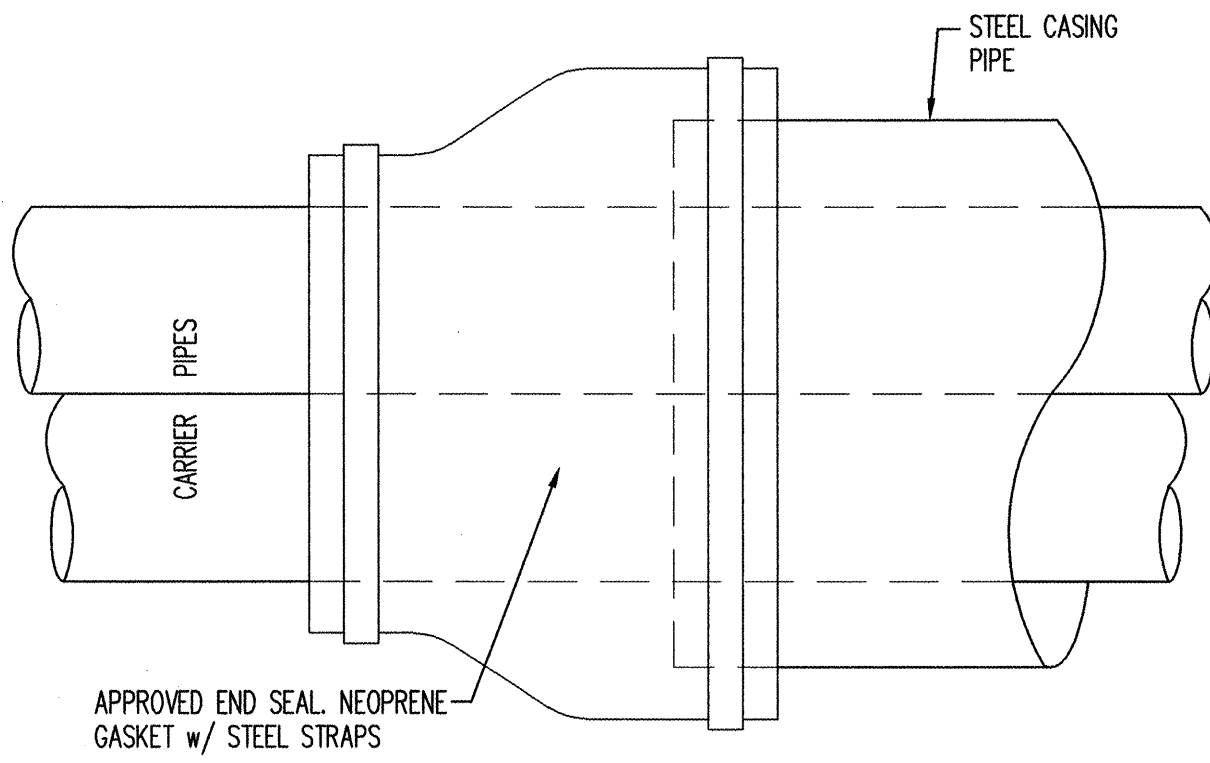
- NOTES:
- ACCESS RISER SHALL BE THE SAME DIAMETER AS THE GAS PIPELINE HEADER.
 - HEADER ACCESS RISER TO BE INSTALLED AT EITHER END OF THE PROPOSED GAS PIPELINE.



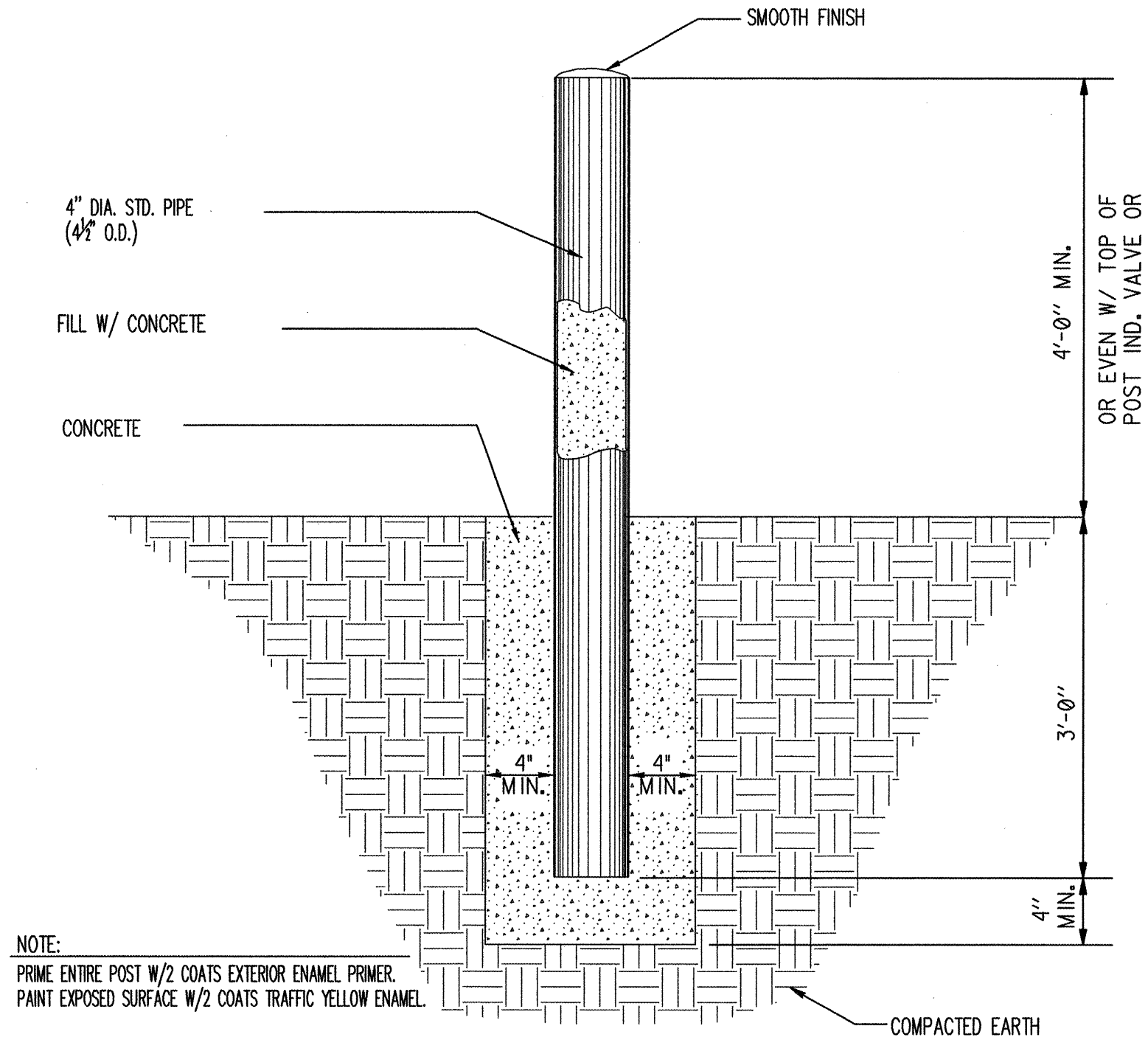
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F-5119
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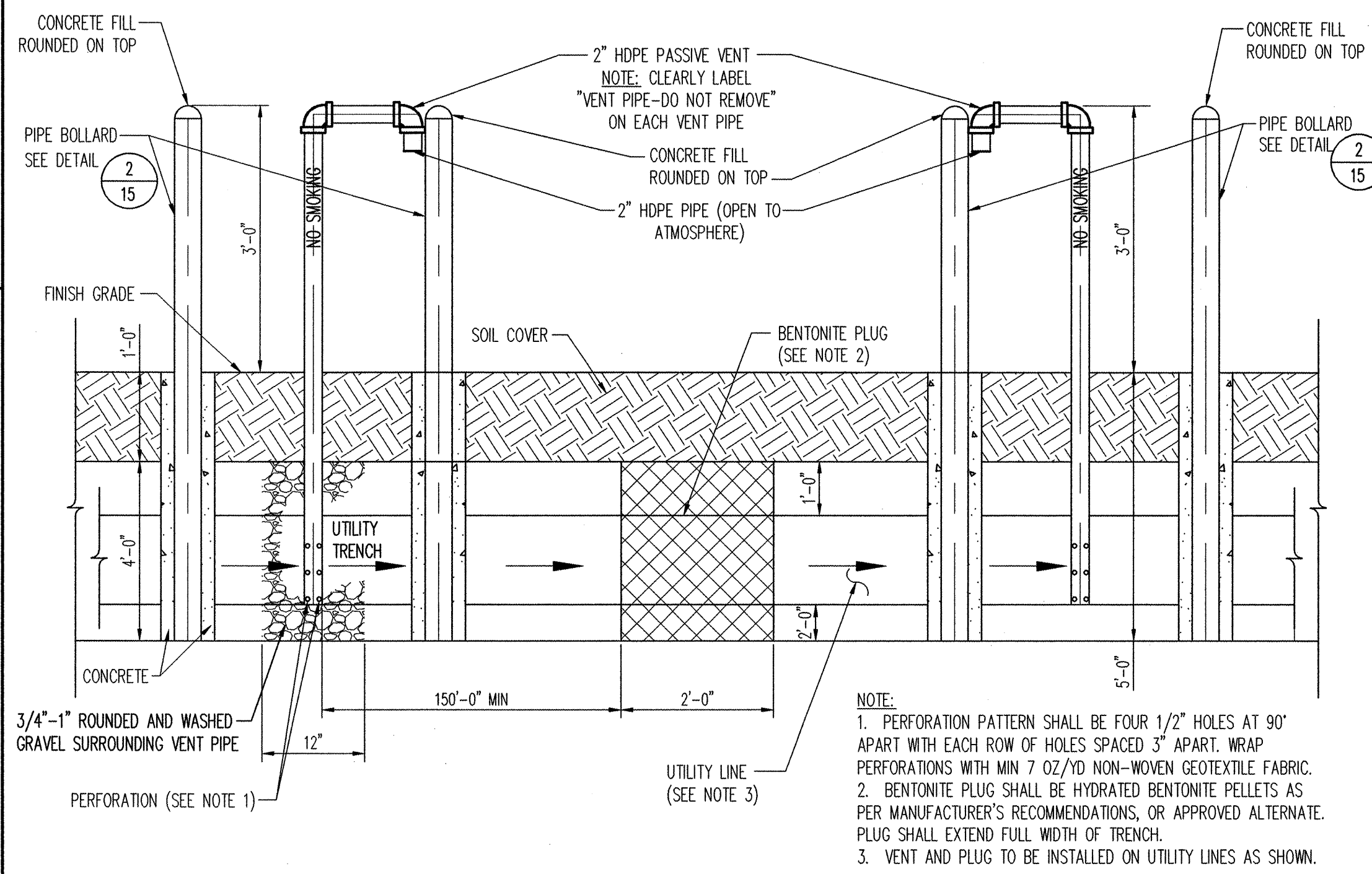
TYPICAL SECTION
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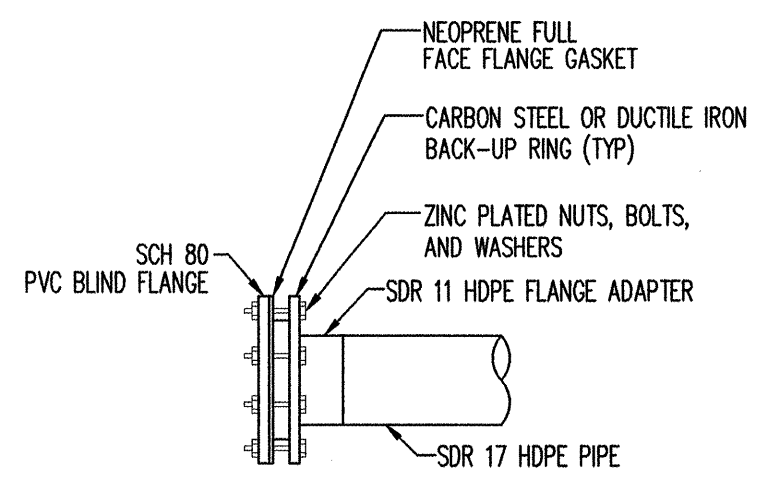
SECTION
G-5119
N.T.S.



SECTION
H-5119
N.T.S.



SECTION
I-5119
N.T.S.



SECTION
J-5119
N.T.S.

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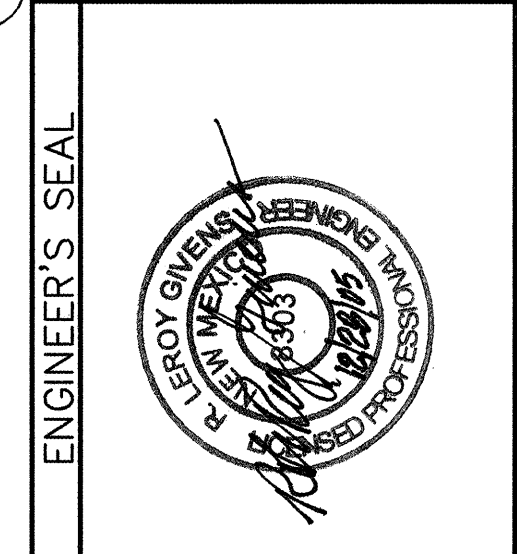
BALLOON FIESTA PARK RV PARKING LOT UTILITIES
DETAILS

Design Review Committee
JAN 17 2006
CITY ENGINEER
CITY ENGINEER

City Project No. 662992
Zone Map No. C-17-Z
Sheet 15 of 23

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	THE STATION IS AN ACS 3 1/4" ALUMINUM CAP SET FLUSH IN THE CONCRETE BRIDGE ABUTMENT AND IS STAMPED "13-DIG. 1991"	FIELD NOTES	NO.	BY	DATE	DATE
STAMPED BY	DATE	X=93.935.49, Y=1519.933.32					
FIELD ACCEPTANCE BY	DATE	ELEVATION=5070.808					
REVISIONS	DATE	GROUND TO GRID FACTOR=0.99967379					
CORRECTED BY	DATE	Δαα=-007216					
RECORDED BY	DATE						
NO.							

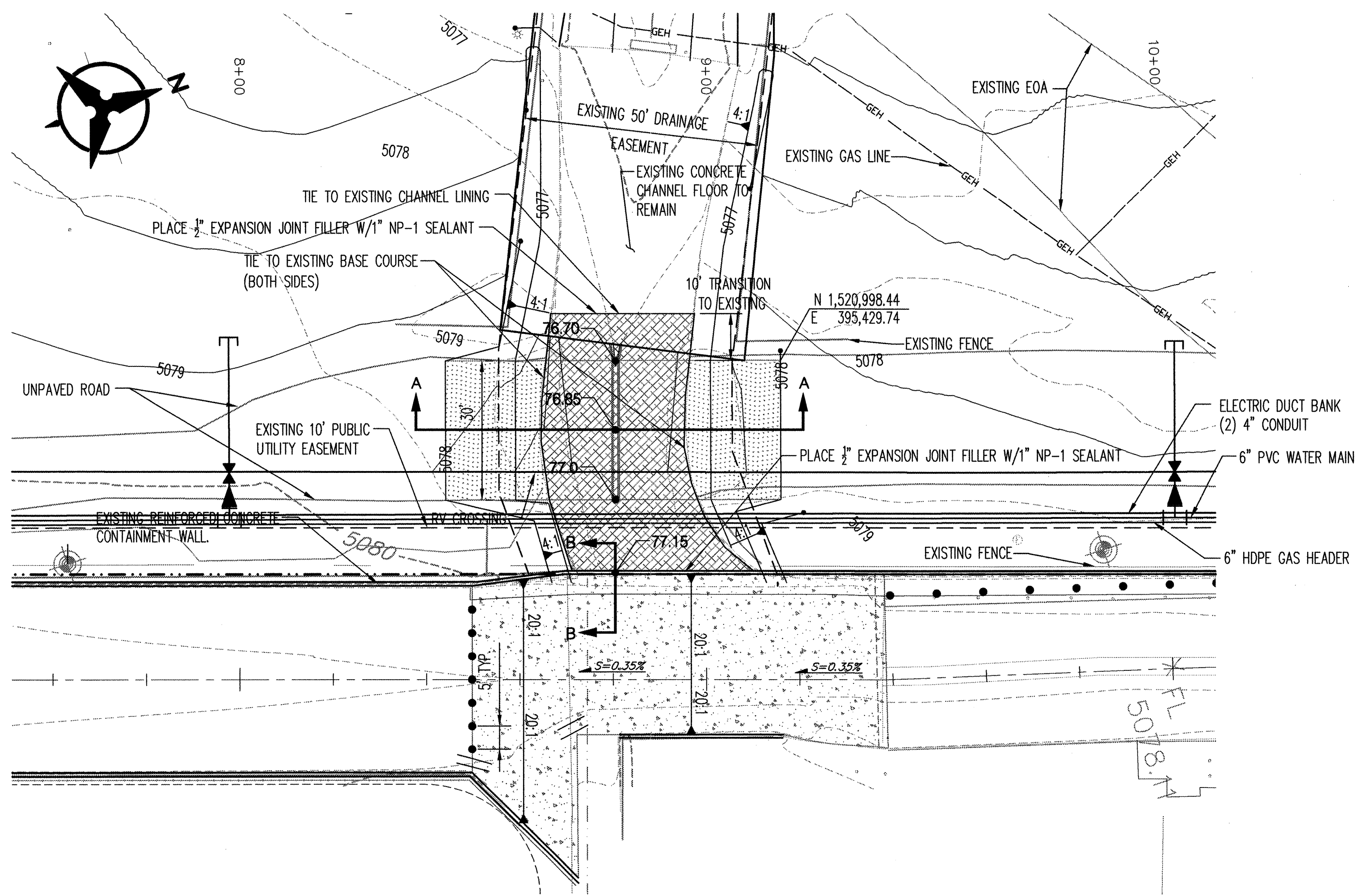
AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	THE STATION IS AN ACS 3 1/4" ALUMINUM CAP SET FLUSH IN THE CONCRETE BRIDGE ABUTMENT AND IS STAMPED "13-DIG. 1991"	FIELD NOTES	NO.	BY	DATE	DATE
STAMPED BY	DATE	X=93.935.49, Y=1519.933.32					
FIELD ACCEPTANCE BY	DATE	ELEVATION=5070.808					
REVISIONS	DATE	GROUND TO GRID FACTOR=0.99967379					
CORRECTED BY	DATE	Δαα=-007216					
RECORDED BY	DATE						
NO.							



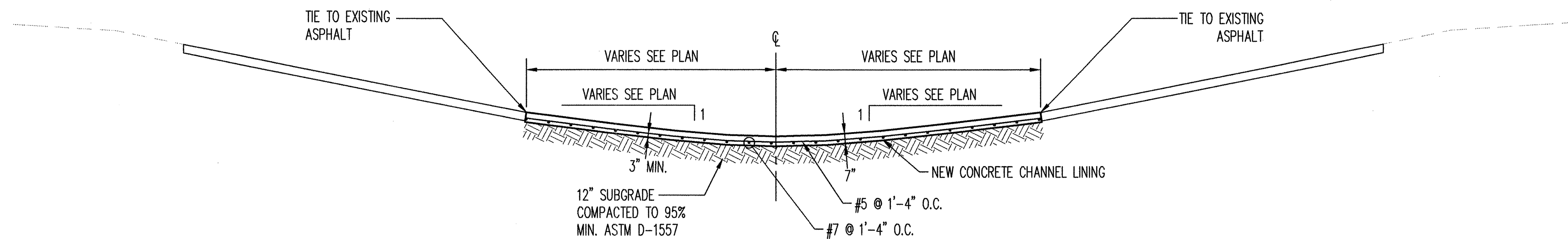
AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	THE STATION IS AN ACS 3 1/4" ALUMINUM CAP SET FLUSH IN THE CONCRETE BRIDGE ABUTMENT AND IS STAMPED "13-DIG. 1991"	FIELD NOTES	NO.	BY	DATE	DATE
STAMPED BY	DATE	X=93.935.49, Y=1519.933.32					
FIELD ACCEPTANCE BY	DATE	ELEVATION=5070.808					
REVISIONS	DATE	GROUND TO GRID FACTOR=0.99967379					
CORRECTED BY	DATE	Δαα=-007216					
RECORDED BY	DATE						
NO.							

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	THE STATION IS AN ACS 3 1/4" ALUMINUM CAP SET FLUSH IN THE CONCRETE BRIDGE ABUTMENT AND IS STAMPED "13-DIG. 1991"	FIELD NOTES	NO.	BY	DATE	DATE
STAMPED BY	DATE	X=93.935.49, Y=1519.933.32					
FIELD ACCEPTANCE BY	DATE	ELEVATION=5070.808					
REVISIONS	DATE	GROUND TO GRID FACTOR=0.99967379					
CORRECTED BY	DATE	Δαα=-007216					
RECORDED BY	DATE						
NO.							

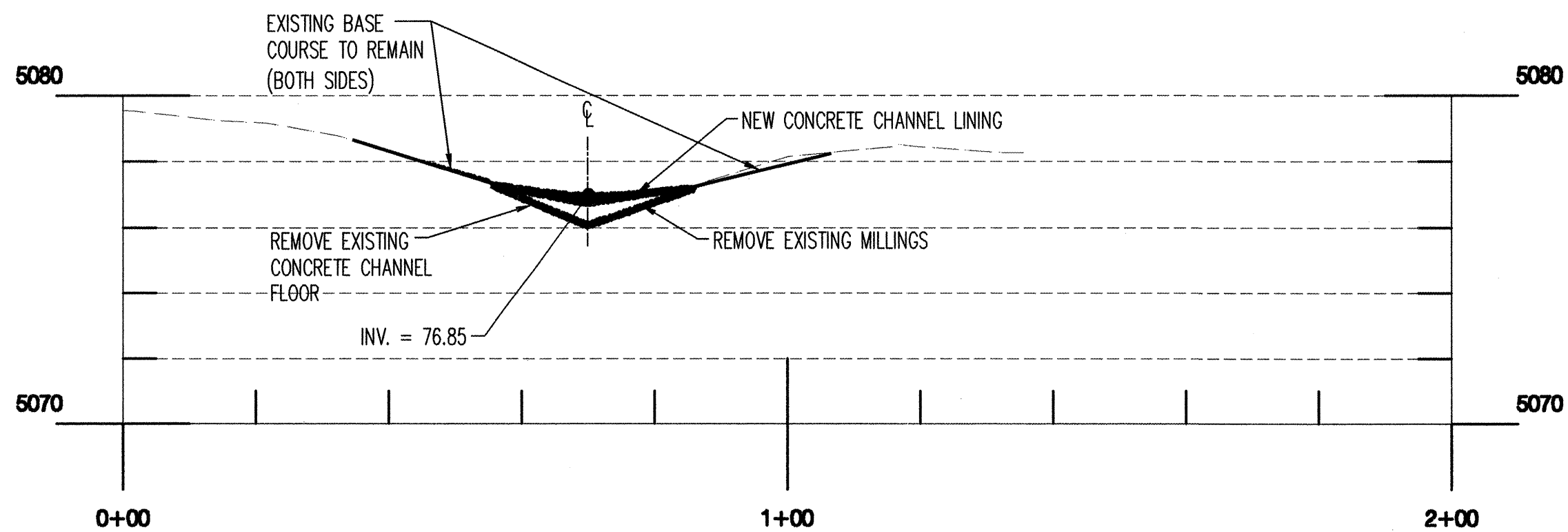
AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	THE STATION IS AN ACS 3 1/4" ALUMINUM CAP SET FLUSH IN THE CONCRETE BRIDGE ABUTMENT AND IS STAMPED "13-DIG. 1991"	FIELD NOTES	NO.	BY	DATE	DATE
STAMPED BY	DATE	X=93.935.49, Y=1519.933.32					
FIELD ACCEPTANCE BY	DATE	ELEVATION=5070.808					
REVISIONS	DATE	GROUND TO GRID FACTOR=0.99967379					
CORRECTED BY	DATE	Δαα=-007216					
RECORDED BY	DATE						
NO.							



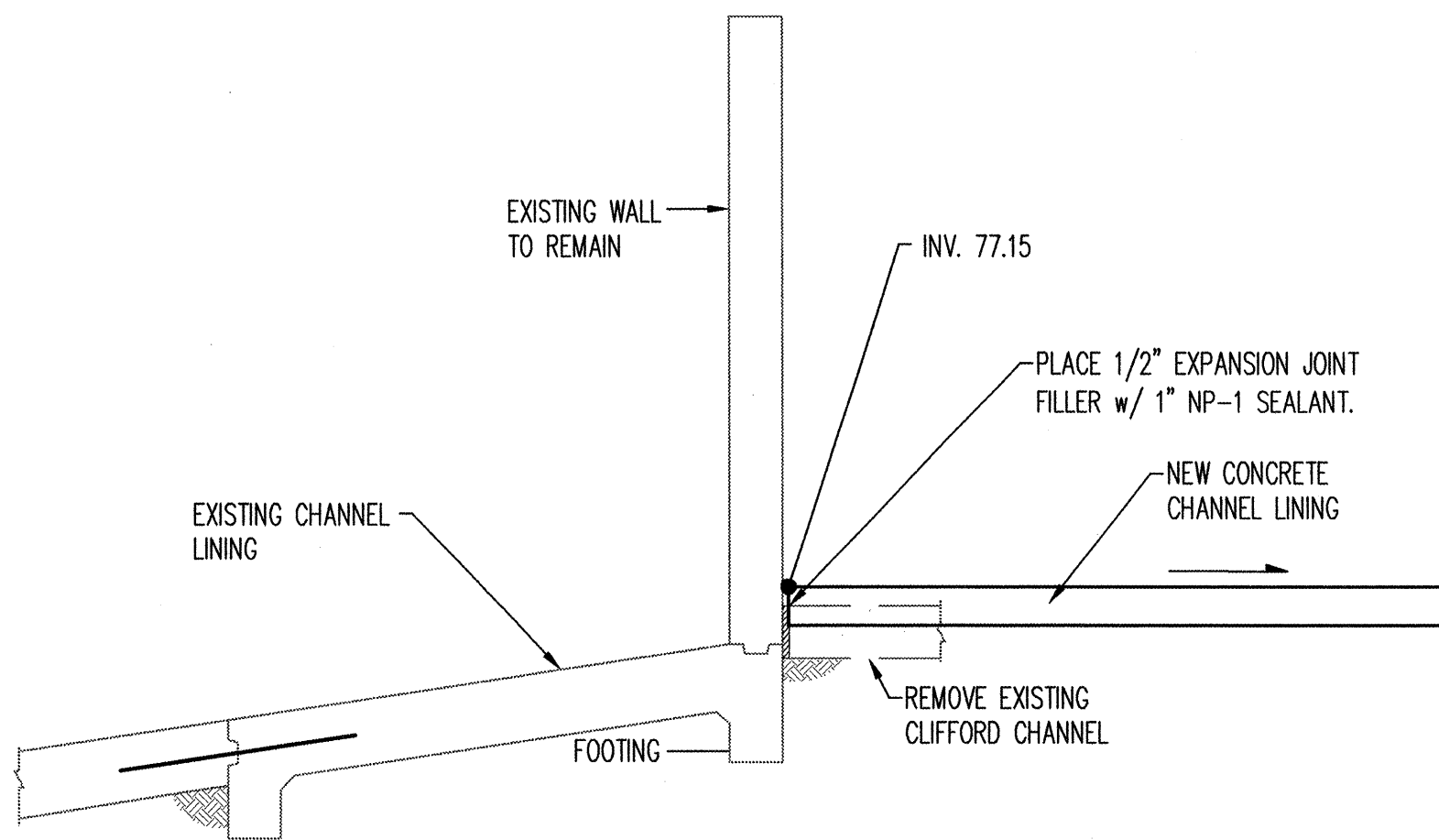
CLIFFORD CHANNEL CONCRETE REPLACEMENT PLAN
SCALE: 1"=20' CONTOUR INTERVAL = 1'



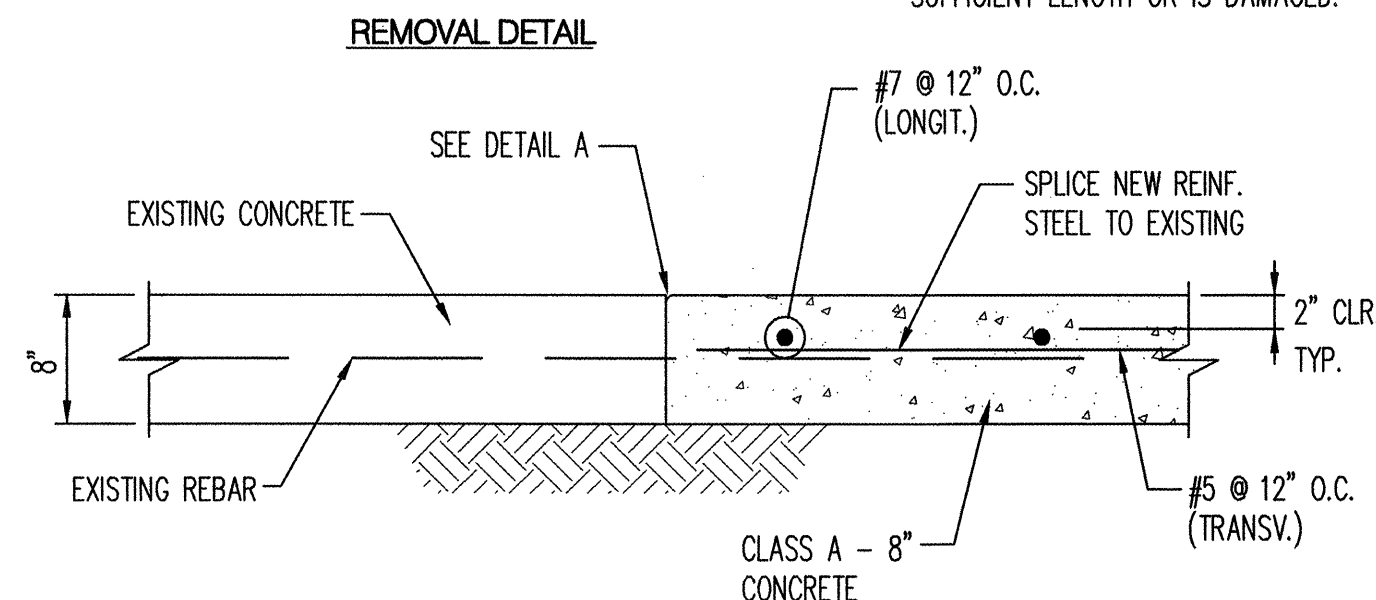
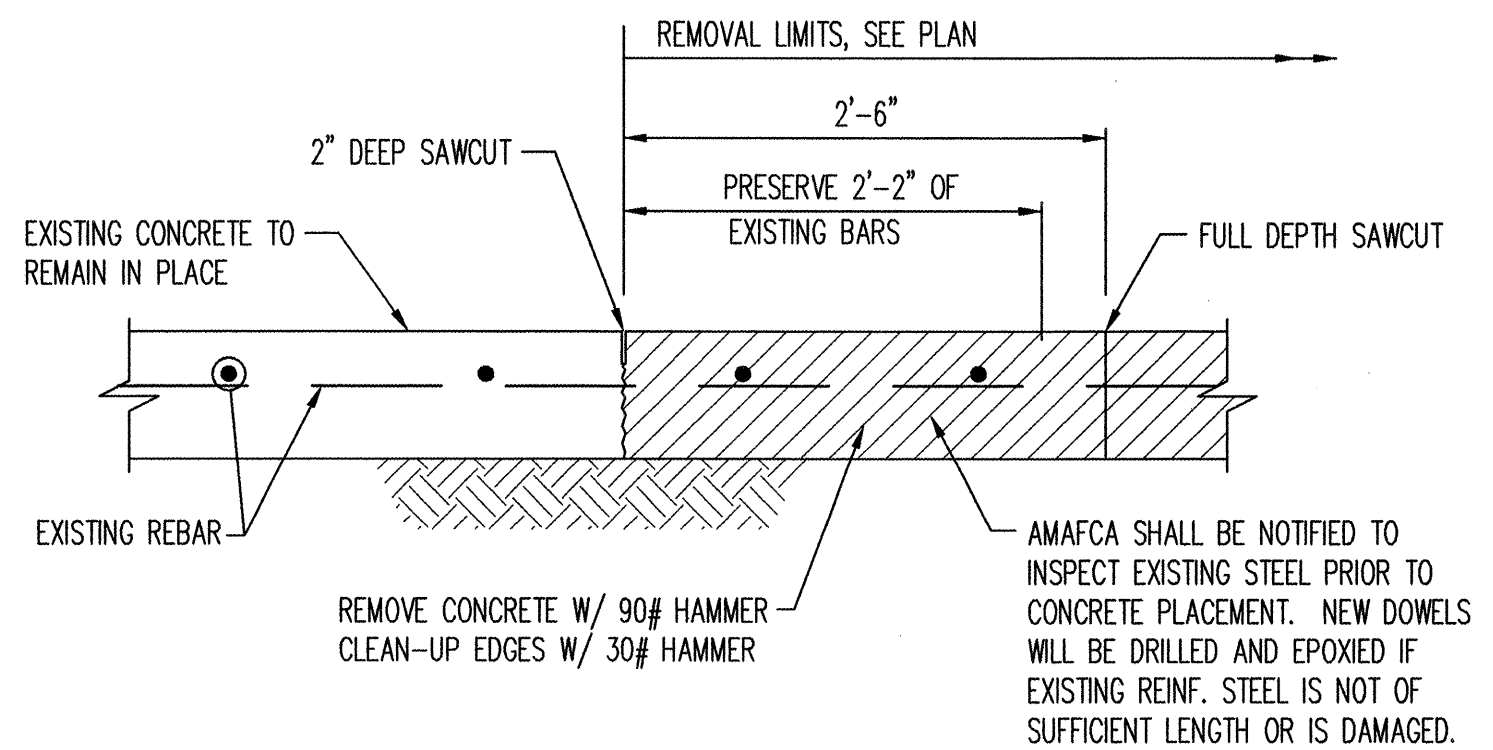
TYPICAL CHANNEL SECTION
SCALE: 1" = 3'



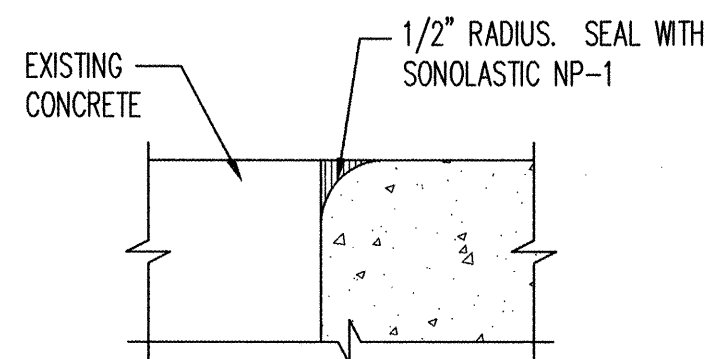
SECTION A-A
N.T.S.



SECTION B-B
N.T.S.



REPLACEMENT DETAIL



DETAIL A
N.T.S.

NEW TO EXISTING CONSTRUCTION JOINT DETAILS
SCALE: 1" = 1'-0"

LEGEND

- 6" AGGREGATE BASE COURSE TO REMAIN
- SAWCUT & REMOVE EXISTING MILLINGS/CONCRETE CHANNEL LINING. REPLACE WITH NEW 7"-3,000 PSI CONCRETE CHANNEL LINING.

LEGEND **

- EXISTING NEW
- 5075 INDEX CONTOUR
- 5076 CONTOUR
- MANHOLE
- STORM DRAIN
- SANITARY SEWER
- LOS ANGELES LANDFILL PROPERTY BOUNDARY
- RV HOOKUPS
- METHANE WELL*
- GAS EXTRACTION PIPE
- EXISTING WATER LINE
- UNDERGROUND ELECTRIC CABLE
- GAS LINE
- TELEPHONE LINE
- TELEPHONE BOX

* SYMBOLS REPRESENT APPROXIMATE LOCATION METHANE WELLS

** INCLUDES SURVEYED LOCATION OF EXISTING FEATURES

NOTE: ALL ELEVATIONS ARE TOP OF PROPOSED CONCRETE UNLESS OTHERWISE NOTED.

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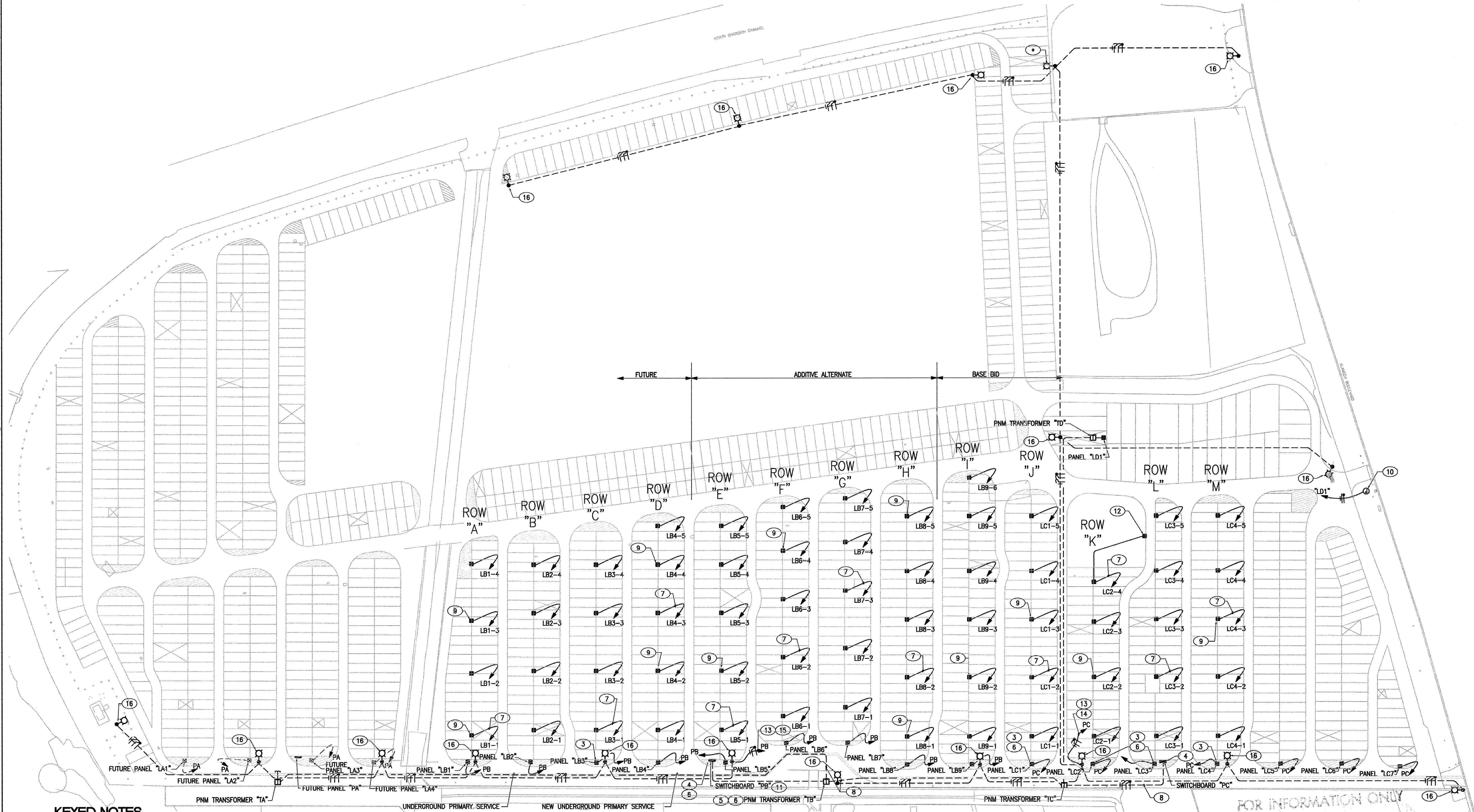
BALLOON FIESTA RV PARKING LOT
CLIFFORD CHANNEL CONCRETE REPLACEMENT PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JAN 17 2006 DESIGN REVIEW COMMITTEE	APPROVED JAN 17 2006 CITY ENGINEER			

City Project No. 662992 Zone Map No. C-17-Z Sheet 16 Of 23

BHI JOB NO. 030085.005.CWH

Date: 05/17/05



KEYED NOTES

- 1 REFER TO POWER RISER DIAGRAM, ROLL OUT SCHEDULES AND TRANSFORMER SCHEDULES FOR ADDITIONAL INFORMATION.
- 2 FOR RV POWER PEDESTAL, TYPICAL. REFER TO DETAIL "A" ON SHEET 20.
- 3 TYPICAL 120/240 VOLT, SINGLE PHASE, 3 WIRE, WEATHERPROOF PANEL (SYMBOL 13). PANELBOARD SHALL BE MOUNTED ON A UNI-STRUT FRAME AND CONCRETE PAD. REFER TO DETAIL ON SHEETS 19 AND 20.
- 4 277/480 VOLT, THREE PHASE, FOUR WIRE, WEATHERPROOF PANEL. SWITCHBOARD SHALL BE MOUNTED ON A CONCRETE PAD.
- 5 NEW PAD MOUNT TRANSFORMER. TRANSFORMER BY PNM, CONCRETE PAD BY CONTRACTOR. REFER TO POWER RISER FOR ADDITIONAL INFORMATION.
- 6 REFER TO POWER RISER DIAGRAM FOR ADDITIONAL INFORMATION.
- 7 HOME RUN TO PANEL INDICATED. REFER TO ELECTRIC ROLL-OUT SCHEDULE SHEET 18B FOR CONDUCTOR SIZE AND LENGTH. (TYPICAL)
- 8 4" UNDERGROUND PRIMARY SERVICE CONDUIT, 42" BELOW GRADE. VERIFY EXACT LOCATION AND COORDINATE WITH PNM IN THE FIELD.
- 9 RECEPTACLE ASSEMBLY ENCLOSURE (TYPICAL). REFER TO DETAIL ON SHEET 20. PANEL SCHEDULES ON SHEET 19 AND TO ROLL OUT SCHEDULES ON SHEET 18B FOR ADDITIONAL INFORMATION.

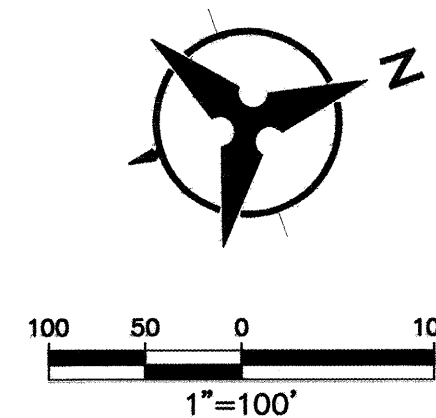
- 10 JUNCTION BOX FOR CONNECTION OF PLUMBING HOT BOX. EXTEND CONDUIT AND CONDUCTORS (3/4"10-3/4"C.) TO PANEL "LD1" AND CONNECT TO A 20A/1P CIRCUIT BREAKER; VERIFY EXACT LOCATION OF JUNCTION BOX PRIOR TO INSTALLATION.
- 11 SWITCHBOARD "PB" SHALL BE INCLUDED IN BASE BID.
- 12 PROVIDE AND INSTALL A SEPARATE (SINGLE) POWER PEDESTAL FOR REGISTRATION AREA AND CONNECT TO 100A/2P RECEPTACLE ASSEMBLY IN ASSEMBLY "LC2-4" AS INDICATED. SERVE WITH 3/4"2 AND 1/8" GROUND "XHHW DIRECT BURIAL CONDUCTORS. EXACT LOCATION OF PEDESTAL SHALL BE VERIFIED IN THE FIELD PRIOR TO INSTALLATION.
- 13 EXTEND CONDUIT AND CONDUCTORS TO SWITCHBOARD (277/480V) INDICATED AND CONNECT TO A 20A/2P CIRCUIT BREAKER. EXTEND CIRCUIT THROUGH A TORK #7930L TIME CLOCK/PHOTO CELL CONTROLLER AND THEN TO SWITCHBOARD.
- 14 USE #2 WIRE THROUGHOUT CIRCUIT.
- 15 USE #8 WIRE THROUGHOUT CIRCUIT.
- 16 LIGHT FIXTURE SHALL BE EQUAL TO INVUE #AEM/400-MH-480-2S-VA1055-B2 WITH POLE #SSX4A25SBZ-C1.

GENERAL NOTES

A. VERIFY EXACT LOCATION OF LIGHTING FIXTURES IN THE FIELD PRIOR TO INSTALLATION.

ELECTRICAL UTILITIES PLAN 1

SCALE: 1" = 100'



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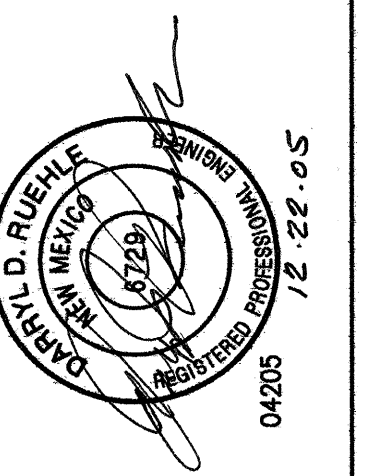
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT

BALLOON FIESTA PARK RV PARKING LOT UTILITIES ELECTRICAL UTILITIES PLAN

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JAN 17 2006 DESIGN REVIEW COMMITTEE	APPROVED JAN 17 2006 CITY ENGINEER		

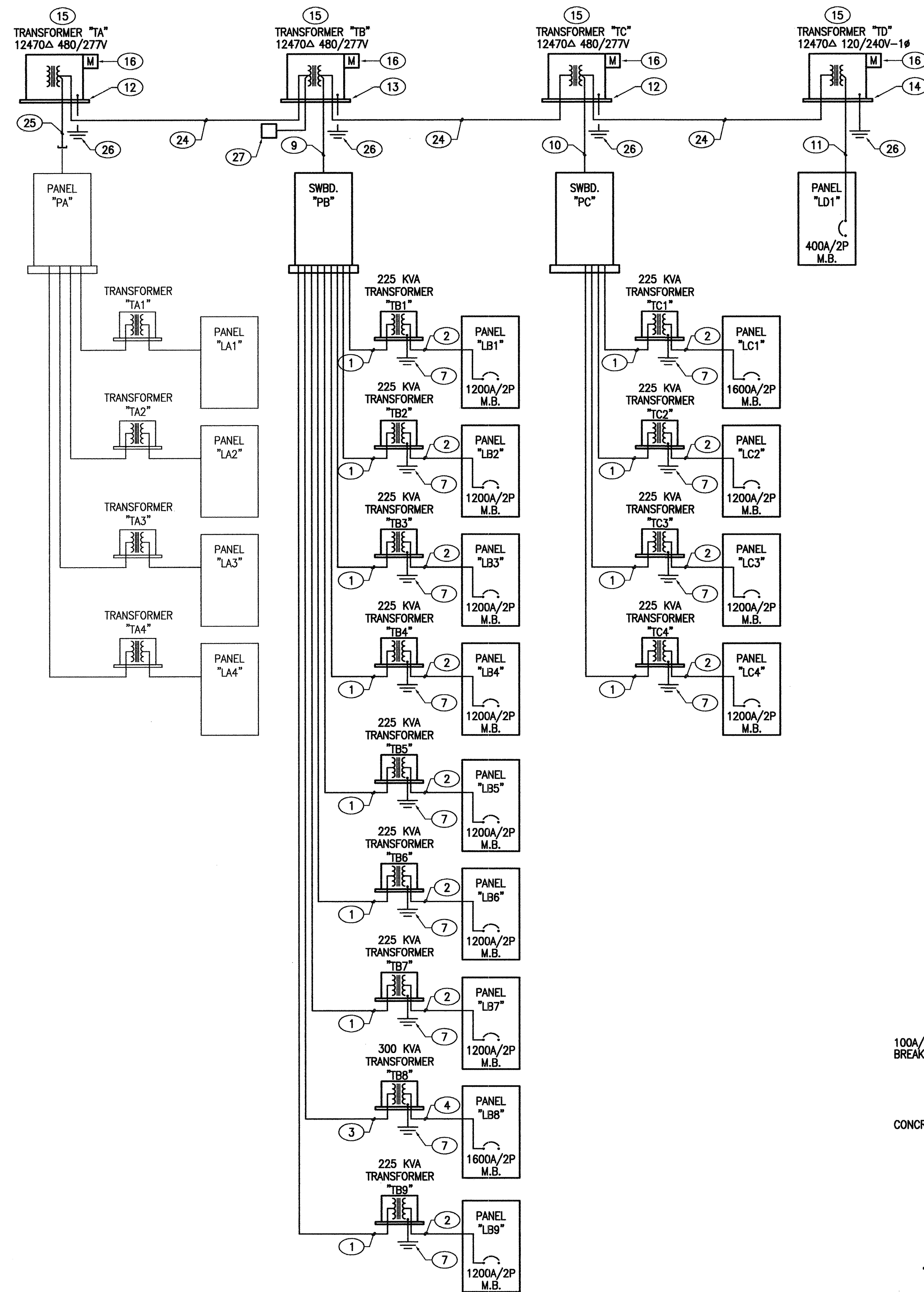
City Project No.	Zone Map No.	Sheet	Of
662992	C-17-Z	17	23

AS-BUILT INFORMATION	
CONTRACTOR	DATE
BENCH MARKS	
NO.	DATE
SURVEY INFORMATION	
FIELD NOTES	DATE
ENGINEER'S SEAL	
NO.	DATE
REVISIONS	
By	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	DATE



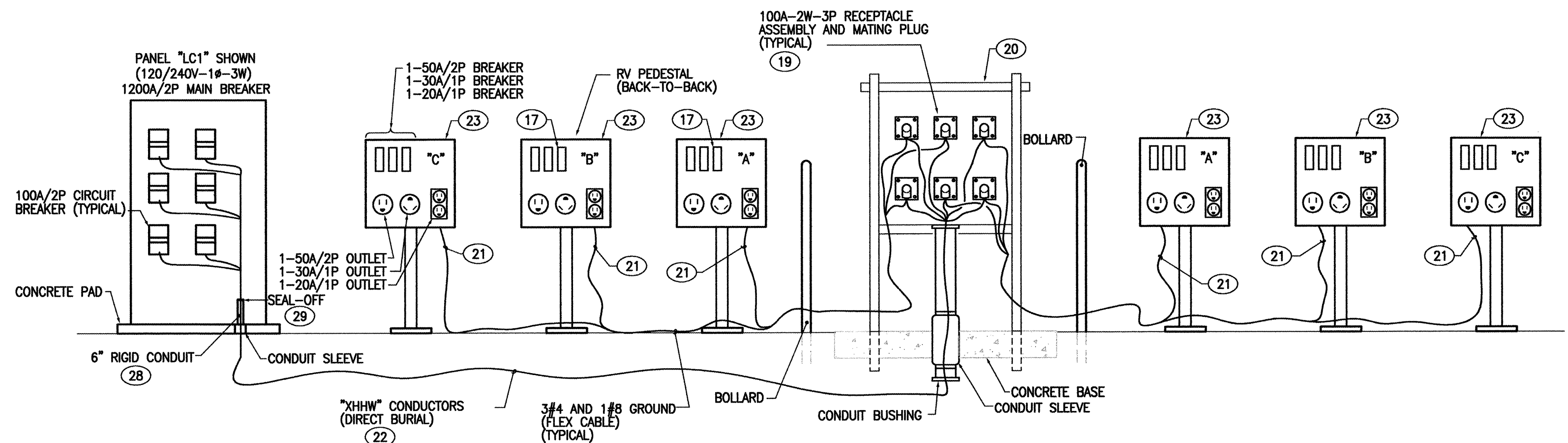
REMARKS	By	DATE
DESIGN		12/12/05
REVISIONS		12/12/05
DESIGNED BY: TRG		12/12/05
DRAWN BY: TRG		12/12/05
CHECKED BY: DDR		12/12/05

SCANNED BY
MESA REPRO



POWER RISER DIAGRAM

SCALE: NONE



TYPICAL ROLL OUT DETAILS

SCALE: NONE

KEYED NOTES

- 3#500 KCMIL AND 1#1/0 GROUND IN 4" CONDUIT.
- 3-4" CONDUITS EACH WITH 3#600 KCMIL AND 1#3/0 GROUND.
- 2-4" CONDUITS EACH WITH 3#350 KCMIL AND 1#2/0 GROUND.
- 4-4" CONDUITS EACH WITH 3#600 KCMIL AND 1#3/0 GROUND.
- NOT USED
- NOT USED
- 1#2/0 GROUND IN 1" CONDUIT TO 8'-0" GROUND ROD.
- NOT USED
- 8-4" CONDUITS EACH WITH 4#500 KCMIL AND 1#3/0 GROUND.
- 6-4" CONDUITS EACH WITH 4#600 KCMIL AND 1#3/0 GROUND.
- 3#500 KCMIL AND 1#1/0 GROUND IN 4" CONDUIT.
- TRANSFORMER CONCRETE PAD SHALL BE PER PNM DRAWING #DS-7-16.7.1.
- TRANSFORMER CONCRETE PAD SHALL BE PER PNM DRAWING #DS-7-16.7.2.
- TRANSFORMER CONCRETE PAD SHALL BE PER PNM DRAWING #DS-7-16.1.
- TRANSFORMER FURNISHED BY PUBLIC SERVICE COMPANY OF NEW MEXICO.
- METER PER PNM REQUIREMENTS.
- PROTECTIVE CIRCUIT BREAKERS SERVING OUTLETS ON R.V. PEDESTAL. (TYPICAL)
- NOT USED
- RECEPTACLE ASSEMBLY AND MATING PLUG SHALL BE A 100A, STYLE 1 EQUAL TO CROUSE-HINDS #AREA10413.
- SINGLE DOOR ENCLOSURE SHALL BE EQUAL TO HOFFMAN #C-SD363012 (36"x30"x12") HINGED AND LOCKABLE DOOR.
- PROVIDE AND INSTALL CONDUCTOR STRAIN RELIEF ASSEMBLY AT EACH RV POWER PEDESTAL CONNECTION.(TYPICAL)
- REFER TO ROLL OUT SCHEDULES ON SHEET 18B FOR FEEDER, SIZING, LENGTH AND ADDITIONAL INFORMATION.
- RV POWER PEDESTAL PANEL SHALL BE EQUAL TO MILBANK #U5320-0-756B, UN-METERED, DOUBLE HEAD (BACK-TO-BACK)(TYPICAL)
- 2-4" CONDUITS, 42" MON. BELOW GRADE, PER PNM REQUIREMENTS.
- 6-4" CONDUITS STUBBED OUT, 5'-0" FROM TRANSFORMER PAD.
- GROUNDING ROD PER PNM REQUIREMENTS.
- PROVIDE AND INSTALL PULL BOX AND INTERCEPT EXISTING CONDUIT AT EXISTING TRANSFORMER LOCATION FOR PRIMARY POWER EXTENSIONS. PROVIDE NEW CONDUITS 2-4" FOR INTERCEPTION EXTENSION TO NEW TRANSFORMER.
- 6" RIGID CONDUIT FOR TYPE "XHHW" DIRECT BURIAL CONDUCTOR EXTENSIONS INTO ENCLOSURE.
- 6" CONDUIT SEAL-OFFS EQUAL TO CROUSE-HINDS "EYS" 4 SERIES.

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PUBLIC WORKS DEPARTMENT

BALLOON FIESTA PARK RV PARKING LOT UTILITIES POWER RISER DIAGRAM AND ROLL-OUT DETAILS

Design-Review Committee
APPROVED
JAN 17 2006
DESIGN REVIEW COMMITTEE

City Engineer Approval
CITY ENGINEER

Last Design Update

Mo./Day/Yr. Mo./Day/Yr.
Designed By: TRG
Drawn By: TRG
Checked By: DDR

City Project No.

662992

Zone Map No.

C-17-Z

Sheet 18A Of 23



SCANNED BY
MESA REPRO

ELECTRIC ROLL-OUT SCHEDULE 1 2

[illegible]

**BASE
BID**

➤ **FUTUERE**

ADDITIVE ALTERNATES

BASE
BID


ELECTRIC ROLL-OUT SCHEDULE 1 2

NUMBER	TOTAL SITES SERVED	FEEDER		
		LENGTH (FEET)	SIZE	QUANTITY OF CONDUCTOR RUNS
LC1-1	10	70	3/4 & 1/8 GND	6 RUNS
LC1-2	12	210	3/2 & 1/8 GND	6 RUNS
LC1-3	12	330	3/1/0 & 1/6 GND	6 RUNS
LC1-4	12	440	3/2/0 & 1/4 GND	6 RUNS
LC1-5	9	540	3/3/0 & 1/4 GND	5 RUNS
LC2-1	10	70	3/4 & 1/8 GND	6 RUNS
LC2-2	12	240	3/2 & 1/8 GND	6 RUNS
LC2-3	12	340	3/1/0 & 1/6 GND	6 RUNS
LC2-4	5	400	3/2/0 & 1/4 GND	3 RUNS
LC3-1	9	70	3/4 & 1/8 GND	6 RUNS
LC3-2	12	250	3/2 & 1/8 GND	6 RUNS
LC3-3	12	340	3/1/0 & 1/6 GND	6 RUNS
LC3-4	5	450	3/2/0 & 1/4 GND	6 RUNS
LC3-5	3	530	3/3/0 & 1/4 GND	3 RUNS
LC4-1	11	70	3/4 & 1/8 GND	6 RUNS
LC4-2	12	250	3/2 & 1/8 GND	6 RUNS
LC4-3	12	340	3/1/0 & 1/6 GND	6 RUNS
LC4-4	12	450	3/2/0 & 1/4 GND	6 RUNS
LC4-5	7	530	3/3/0 & 1/4 GND	4 RUNS

KEYED NOTES

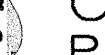
- ① ALL CONDUCTORS FOR DIRECT BURIAL SHALL BE TYPE "XHHW".
- ② ALL CONDUCTORS RUNS INSTALLED IN TRENCH SHALL BE SNAKED TO PROVIDE SLACK.

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

11/15/2006

BALLOON FIESTA PARK RV PARKING LOT UTILITIES

ELECTRIC ROLL-OUT SCHEDULE

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

City Project No. 662992

Zone Map No. C-17-Z

Sheet 18B of 23



THE RESPONSE GROUP, INC.
An Electrical/Mechanical Engineering Corporation

11930 Marshall M.E. Suite 214
Albuquerque, New Mexico 87112
Phone: (505) 323-7629 Fax: (505) 323-7594
E-mail: TheResponseGroup@TRG-inc.net

PANELBOARD SCHEDULE 120/240 SINGLE PHASE							
NUMBER	AIC RATING (AMPERES)	MAIN CIRCUIT BREAKER	PANELBOARD LOAD (KVA)	PANELBOARD LOAD (AMPERES)	ASSEMBLY ENCLOSURE	OUTPUT CIRCUIT BREAKERS 2 POLE DEVICES (AMPERES)	SEE NOTE
LA1	22000	1200	142	592			
LA2	22000	1200	150	625			
LA3	22000	1200	157	654			
LA4	22000	1200	165	688			
LB1	22000	1200	157	656	LB1-1 LB1-2 LB1-3 LB1-4	6 (100A) 6 (100A) 6 (100A) 6 (100A)	④
LB2	22000	1200	165	679	LB2-1 LB2-2 LB2-3 LB2-4	6 (100A) 6 (100A) 6 (100A) 6 (100A)	④
LB3	22000	1200	189	788	LB3-1 LB3-2 LB3-3 LB3-4	6 (100A) 6 (100A) 6 (100A) 6 (100A)	④
LB4	22000	1200	188	787	LB4-1 LB4-2 LB4-3 LB4-4 LB4-5	6 (100A) 6 (100A) 6 (100A) 6 (100A) 2 (100A)	④
LB5	22000	1200	189	788	LB5-1 LB5-2 LB5-3 LB5-4 LB5-5	6 (100A) 6 (100A) 6 (100A) 6 (100A) 3 (100A)	④
LB6	22000	1200	188	787	LB6-1 LB6-2 LB6-3 LB6-4 LB6-5	6 (100A) 6 (100A) 6 (100A) 6 (100A) 2 (100A)	④
LB7	22000	1200	196	820	LB7-1 LB7-2 LB7-3 LB7-4 LB7-5	6 (100A) 6 (100A) 6 (100A) 6 (100A) 2 (100A)	④
LB8	22000	1600	228	951	LB8-1 LB8-2 LB8-3 LB8-4 LB8-5	6 (100A) 6 (100A) 6 (100A) 6 (100A) 6 (100A)	④
LB9	22000	1600	220	918	LB9-1 LB9-2 LB9-3 LB9-4 LB9-5 LB9-6	6 (100A) 6 (100A) 6 (100A) 6 (100A) 6 (100A) 2 (100A)	④

PANELBOARD SCHEDULE 120/240 SINGLE PHASE							
NUMBER	AIC RATING (AMPERES)	MAIN CIRCUIT BREAKER	PANELBOARD LOAD (KVA)	PANELBOARD LOAD (AMPERES)	ASSEMBLY ENCLOSURE	OUTPUT CIRCUIT BREAKERS 2 POLE DEVICES (AMPERES)	SEE NOTE
LC1	22000	1600	216	902	LC1-1 LC1-2 LC1-3 LC1-4 LC1-5	6 (100A) 6 (100A) 6 (100A) 6 (100A) 5 (100A)	④
LC2	22000	1200	149	623	LC2-1 LC2-2 LC2-3 LC2-4	6 (100A) 6 (100A) 6 (100A) 3 (100A)	④
LC3	22000	1200	169	725	LC3-1 LC3-2 LC3-3 LC3-4 LC3-5	6 (100A) 6 (100A) 6 (100A) 3 (100A) 3 (100A)	④
LC4	22000	1200	208	869	LC4-1 LC4-2 LC4-3 LC4-4 LC4-5	6 (100A) 6 (100A) 6 (100A) 6 (100A) 4 (100A)	④
LD1	22000	400	117	487			

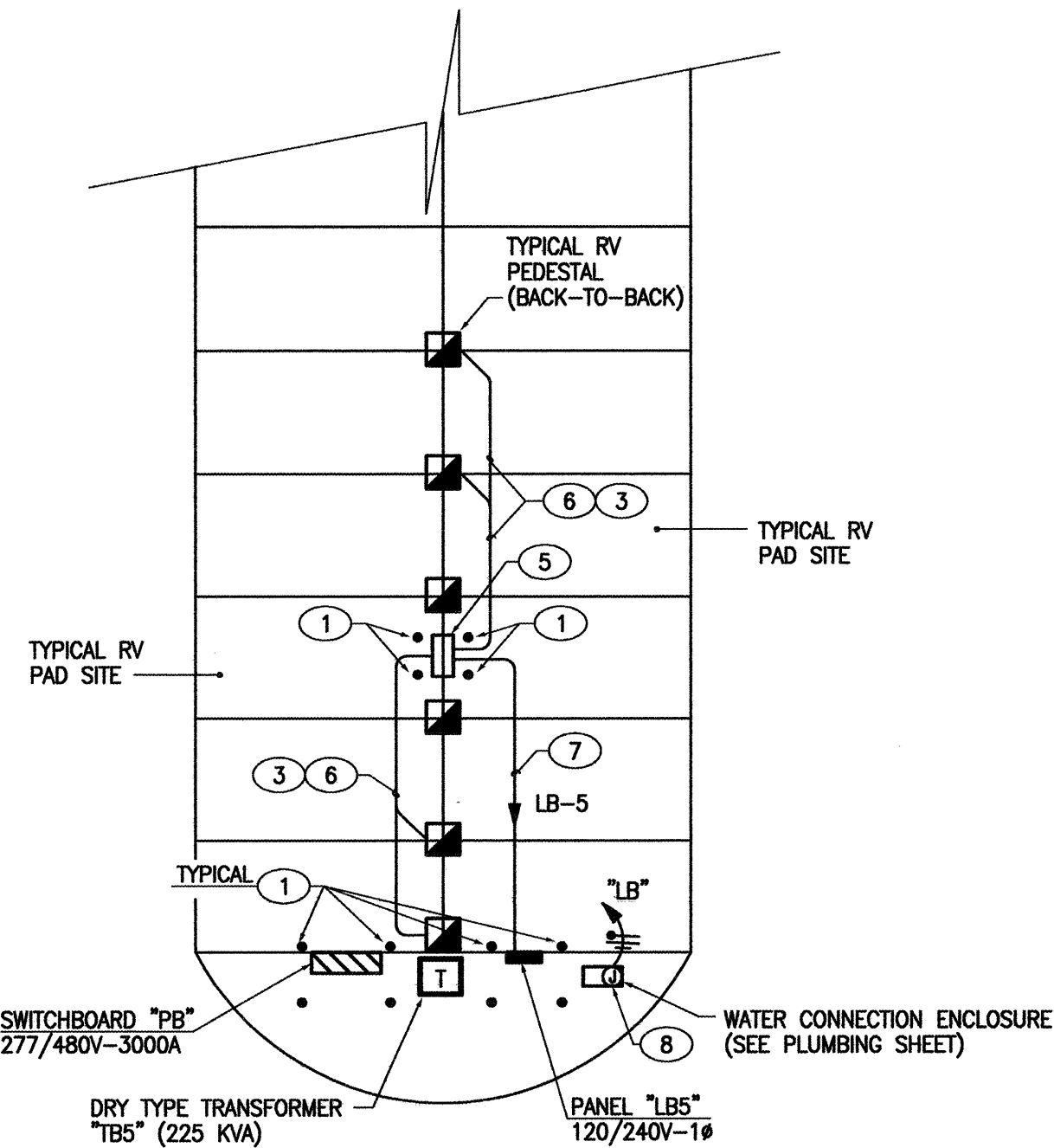
TRANSFORMER SCHEDULE						
PRIMARY = 480 VOLT SINGLE PHASE				SECONDARY = 120/240 VOLT		
NEMA 3R DRY TYPE						
NAME	KVA RATING	SITES SERVED	FED FROM	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)
TA1	225		PANELBOARD "PA"	346	41%	142
TA2	225		PANELBOARD "PA"	365	41%	150
TA3	225		PANELBOARD "PA"	384	41%	157
TA4	225		PANELBOARD "PA"	403	41%	165
TB1	225		PANELBOARD "PB"	383	41%	157
TB2	225		PANELBOARD "PB"	402	41%	165
TB3	225		PANELBOARD "PB"	461	41%	189
TB4	225		PANELBOARD "PB"	458	41%	188
TB5	225		PANELBOARD "PB"	461	41%	189
TB6	225		PANELBOARD "PB"	458	41%	188
TB7	225		PANELBOARD "PB"	478	41%	196
TB8	300		PANELBOARD "PB"	556	41%	228
TB9	225		PANELBOARD "PB"	537	41%	220
TC1	225		PANELBOARD "PC"	527	41%	216
TC2	225		PANELBOARD "PC"	363	41%	149
TC3	225		PANELBOARD "PC"	412	41%	169
TC4	225		PANELBOARD "PC"	507	41%	208

KEYED NOTES

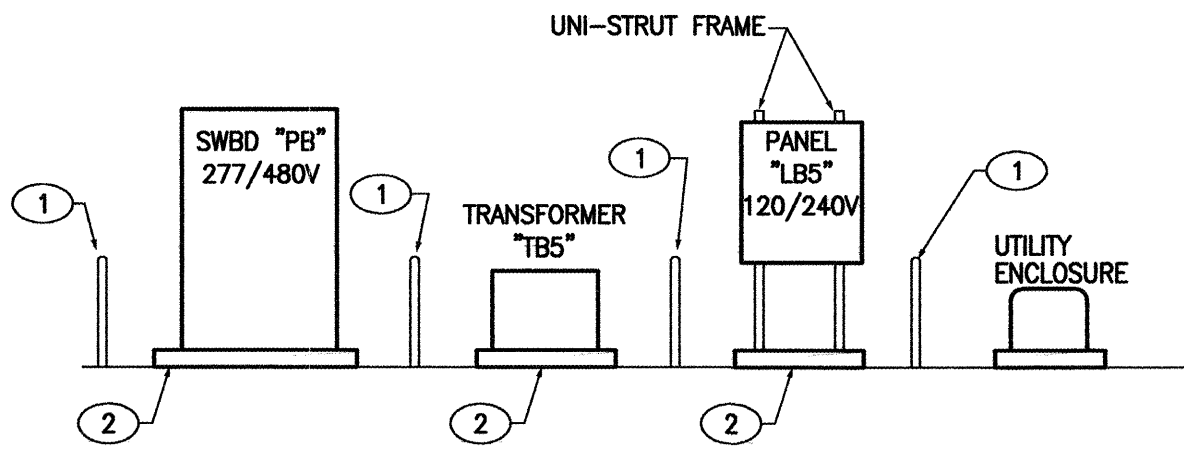
- GUARD POST MINIMUM 4"x5'-0" GALVANIZED RIGID STEEL CONDUIT, CONCRETE FILLED. 3000 PSI CONCRETE BASE, PER PNM DRAWING DS-7-16.10.
- CONCRETE PAD SHALL BE 3000 PSI (WITH #4 BARS, 6" O.C. EACH WAY). PAD SHALL EXTEND 4" ABOVE FINISHED GRADE. EXISTING GRADE AND BACKFILL UNDER CONCRETE PAD SHALL BE COMPACTED TO 95% IN ACCORDANCE WITH ASTM D1557.
- PORTABLE CABLES SHALL BE IN COMPLIANCE WITH NEC ARTICLES 525.1, 525.20, 527 AND 530.22.
- PROVIDE AND INSTALL (2) 20A/1P CIRCUIT BREAKERS, ONE FOR PLUMBING UTILITY ENCLOSURE AND ONE SPARE. (TYPICAL)
- RECEPTACLE ASSEMBLY ENCLOSURE (TYPICAL). REFER TO DETAIL ON SHEET 18A AND 20 FOR ADDITIONAL INFORMATION.
- REFER TO TYPICAL ROLL-OUT DETAIL ON SHEET 18B AND 20 FOR TYPICAL CONDUCTOR SIZES FROM RECEPTACLE ASSEMBLY ENCLOSURE TO RV POWER PEDESTAL PANEL (3/4 AND 1/8 GROUND).
- REFER TO ELECTRIC ROLL-OUT SCHEDULE ON SHEET 18B FOR CONDUCTOR SIZES, LENGTH, AND QUANTITY OF CONDUCTOR RUNS.
- JUNCTION BOX FOR CONNECTION OF HEAT TRACING TAPE AND/OR HEATER. EXTEND CONDUIT AND CONDUCTORS TO PANEL AND CONNECT TO A 20A/1P CIRCUIT BREAKER PER NOTE ④. TYPICAL FOR ALL RV ISLANDS.

DISTRIBUTION SWBD "PC" SCHEDULE			
480 VOLT, 2500 AMP. WITH 2500A/3P GROUND FAULT MAIN BREAKER, NEMA 3R ENCLOSURE			
CIRCUIT NUMBER	BREAKER SIZE	LOAD (KVA CONNECTED)	DESCRIPTION
1	600A/3P GF	216	PANEL "LC1"
2	400A/3P GF	149	PANEL "LC2"
3	600A/3P GF	169	PANEL "LC3"
4	400A/3P GF	208	PANEL "LC4"
5	400A/3P GF	-	SPARE
6	400A/3P GF	-	SPARE
7	150A/3P GF	-	SPARE
TOTAL		742	

DISTRIBUTION SWBD "PB" SCHEDULE			
480 VOLT, 3000 AMP. WITH 3000A/3P GROUND FAULT MAIN BREAKER, NEMA 3R ENCLOSURE			
CIRCUIT NUMBER	BREAKER SIZE	LOAD (KVA CONNECTED)	DESCRIPTION
1	400A/3P GF	157	PANEL "LB1"
2	600A/3P GF	165	PANEL "LB2"
3	400A/3P GF	189	PANEL "LB3"
4	400A/3P GF	188	PANEL "LB4"
5	400A/3P GF	189	PANEL "LB5"
6	400A/3P GF	188	PANEL "LB6"
7	400A/3P GF	196	PANEL "LB7"
8	600A/3P GF	228	PANEL "LB8"
9	600A/3P GF	220	PANEL "LB9"
TOTAL		1720	



PLAN



ELEVATION

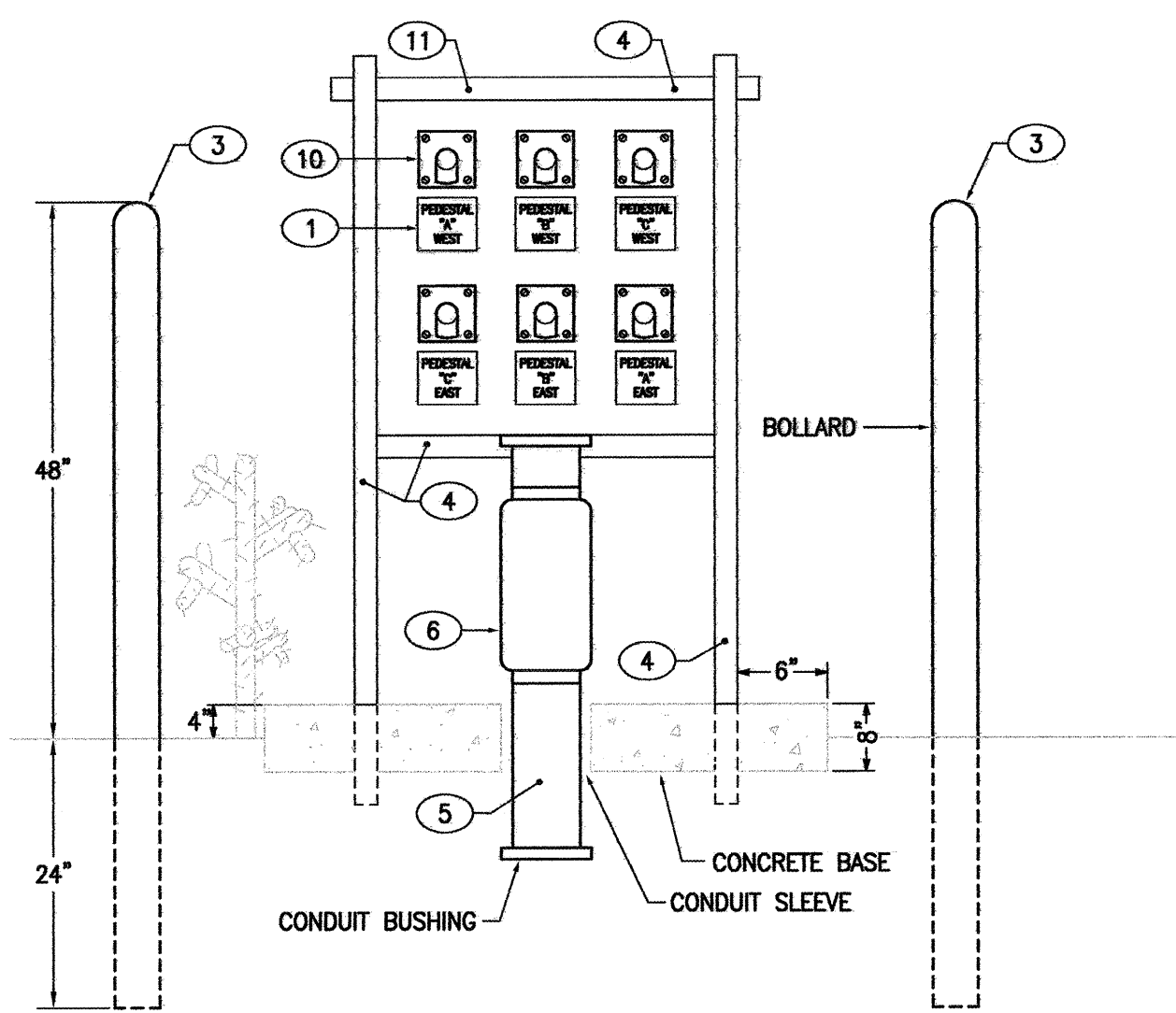
TYPICAL RV ISLAND DETAIL



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BALLOON FIESTA PARK RV PARKING LOT UTILITIES PANEL SCHEDULES & TRANSFORMER SCHEDULES		DESIGN REVIEW COMMITTEE CITY ENGINEER	
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JAN 17 2006 DESIGN REVIEW COMMITTEE	APPROVED JAN 17 2006 CITY ENGINEER		
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AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	FIELD NOTES	DATE	NO.	BY	REMARKS	By
INSPECTOR'S	DATE					REVISIONS	
FIELD	DATE					DESIGN	
REVISION BY	DATE						
CORRECTED BY	DATE						
MICRO-FILM INFORMATION							
RECORDED BY	DATE						
NO.							



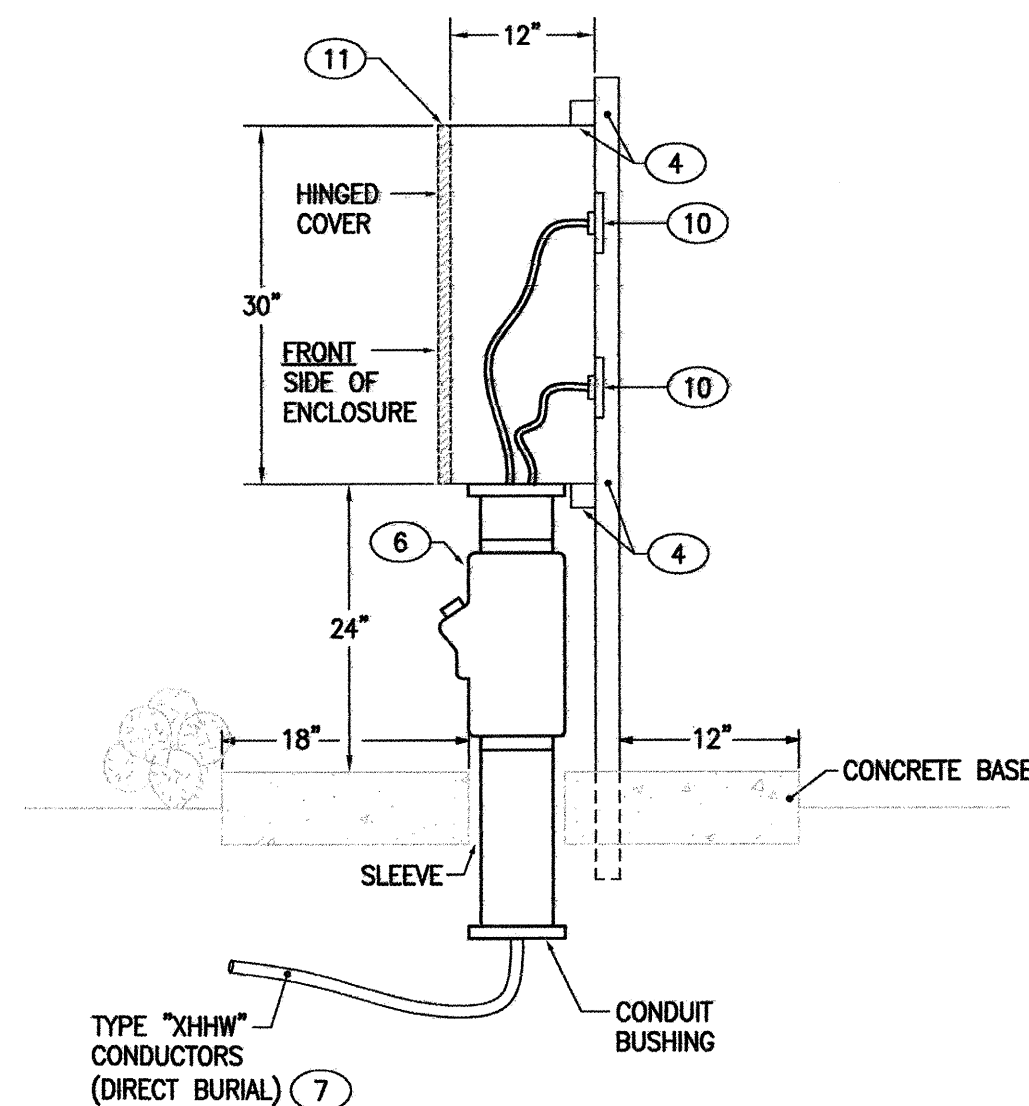
DETAIL 'C' RECEPTACLE ASSEMBLY
ENCLOSURE BACK ELEVATION

NO SCALE

PEDESTAL
"A"
EAST

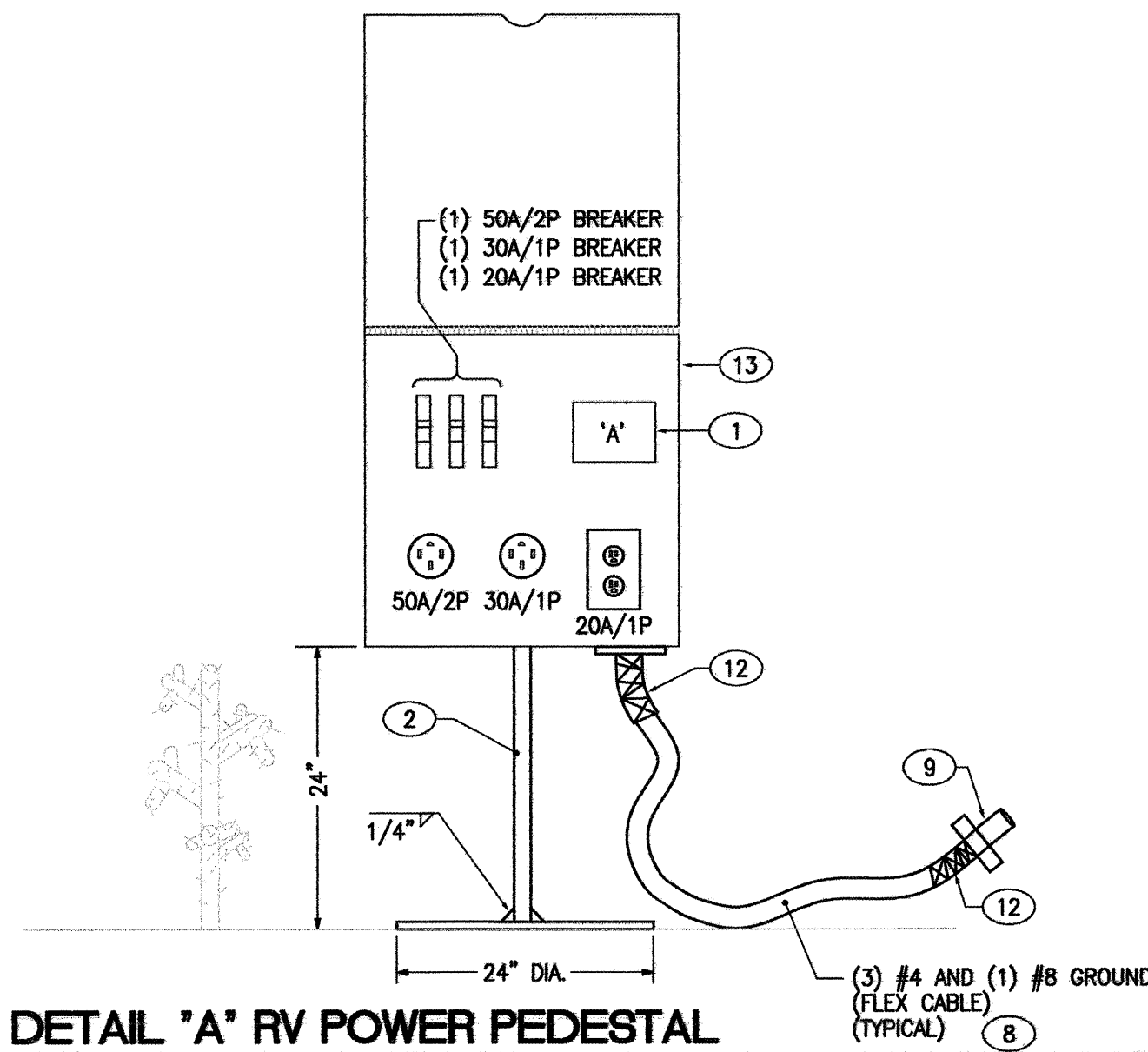
TYPICAL ENGRAVED NAMEPLATE

SCALE: NONE



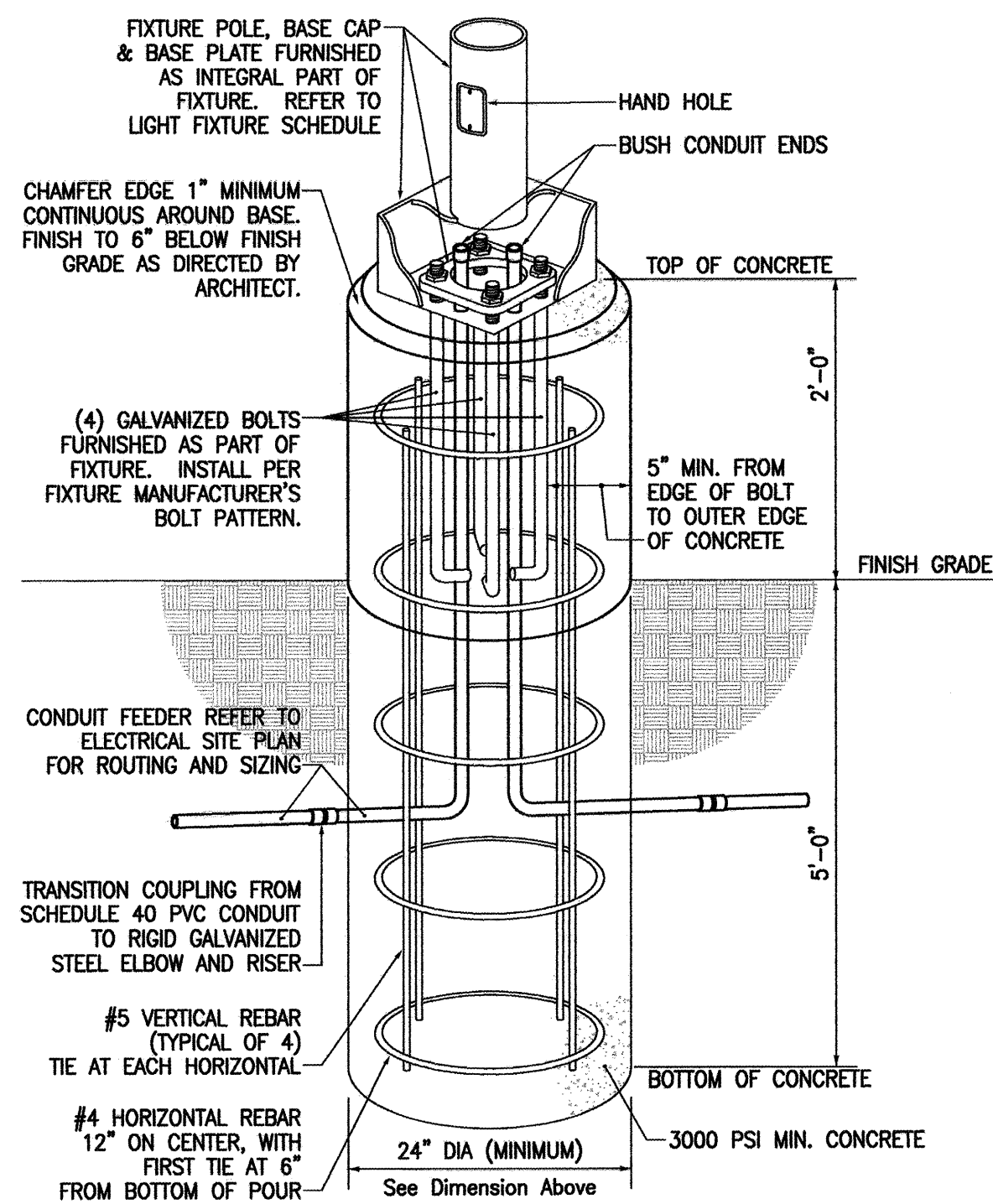
DETAIL 'B' RECEPTACLE ASSEMBLY
ENCLOSURE SIDE ELEVATION

NO SCALE



DETAIL 'A' RV POWER PEDESTAL

NO SCALE



POLE BASE DETAIL

NOT TO SCALE

KEYED NOTES

- 1 ENGRAVED "MICARTA" NAME PLATE, SCREWED INTO ENCLOSURE FACE. (TYPICAL) SEE DETAIL THIS SHEET.
- 2 PANEL SUPPORT IS 2"x2"x0.25" TUBE STEEL AND 24" DIA. X 1/4" STEEL PLATE. MOUNT PANEL TO SUPPORT.
- 3 BOLLARDS PER DETAIL 2, SHEET 15.
- 4 UNISTRUT FRAME FOR ENCLOSURE SUPPORT.
- 5 6" RIGID CONDUIT FOR TYPE "XHHW" DIRECT BURIAL CONDUCTOR EXTENSIONS TO ENCLOSURE.
- 6 6" CONDUIT SEAL-OFF, EQUAL TO CROUSE-HINDS "EYS" 4 SERIES.
- 7 REFER TO ROLL-OUT SCHEDULES ON SHEET 18B FOR FEEDER SIZING, LENGTH AND ADDITIONAL INFORMATION. ALL CONDUCTORS EXTENDING FROM RECEPTACLE ASSEMBLY ENCLOSURES TO SERVING PANELS SHALL BE TYPE "XHHW".
- 8 FLEXIBLE CABLES, OIL, SUNLIGHT AND WATER RESISTANT, SHALL BE AS MANUFACTURED BY COLEMAN CABLE INC., OR APPROVED EQUAL. SAMPLE OF CABLE SHALL BE SUBMITTED TO ENGINEER PRIOR TO INSTALLATIONS.
- 9 MATING PLUG SHALL BE A 100 AMP, STYLE 1, EQUAL TO CROUSE-HINDS #APJ10477 (TYPICAL).
- 10 RECEPTACLE ASSEMBLY AND MATING PLUG SHALL BE 100 AMP, STYLE 1, EQUAL TO CROUSE-HINDS #AREAT0413.
- 11 SINGLE DOOR ENCLOSURE, HINGED AND LOCKABLE, EQUAL TO HOFFMAN #C-SD363012
- 12 CONDUCTOR STRAIN RELIEF ASSEMBLY (TYPICAL).
- 13 RV POWER PEDESTAL (BACK-TO-BACK) TYPICAL.

ELECTRICAL SPECIFICATIONS

- A. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL ELECTRICAL FACILITIES IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, PLANS AND ASSOCIATED NOTES, NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES IN A NEAT AND WORKMANLIKE MANNER.
- B. CONTRACTOR SHALL BECOME FAMILIAR WITH EXISTING CONDITIONS AT THE JOB SITE.
- C. THE ELECTRICAL CONTRACTOR SHALL INCLUDE IN HIS BID THE COST OF ALL PERMITS, TESTS AND INSPECTIONS, AND VISIT THE SITE OF WORK PRIOR TO SUBMITTING BID.
- D. THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES AND REFER TO PLANS FOR DETERMINING THE EXACT LOCATION OF OUTLETS.
- E. THE ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIAL FOR A PERIOD OF ONE YEAR AFTER DATE OF ACCEPTANCE.
- F. A SET OF MARKED UP PRINTS SHALL BE PREPARED SHOWING ALL CHANGES MADE DURING CONSTRUCTION AND TURN IT OVER TO THE OWNER AT THE END OF THE CONSTRUCTION. ALL CHANGES MUST HAVE THE OWNER'S APPROVAL.
- G. ANY DISCREPANCY BETWEEN MATERIAL DESCRIPTION AND CATALOG NUMBER SHALL BE BROUGHT TO THE ENGINEER'S OR OWNER'S ATTENTION IMMEDIATELY.
- H. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR CATALOG CUT SHEETS ON ALL EQUIPMENT WHICH MAY BE SUBSTITUTED FROM THAT SPECIFIED IN CONTRACT DOCUMENTS.
- I. INTERRUPTION OF ANY ELECTRICAL SERVICES SHALL BE COORDINATED WITH THE OWNER AT LEAST 7 DAYS PRIOR TO THE INTENDED OUTAGE AND SHALL BE REQUESTED IN WRITING WITH A COPY TO THE ENGINEER AND OWNER.
- J. PROVIDE SEPARATE COLOR CODING FOR 120/208V-3ø-4W, 240 VOLT 3 ø AND 277/480V-3ø-4W CIRCUITS. MAINTAIN SAME COLOR CODING THROUGHOUT.
- K. ALL CONDUITS WHICH COME IN CONTACT WITH EARTH SHALL BE WRAPPED IN SCOTCH WRAP #51 OR PLASTIC COATED. ALL FEEDERS AND HOMERUNS SHALL BE 1" MINIMUM.
- L. ALL PULLBOXES SHALL BE CODE GA. AND MEET THE MINIMUM SIZES AS RECOMMENDED BY THE N.E.C.
- M. PANELBOARDS SHALL HAVE A CIRCUIT BREAKER RATED 10,000 AIC.
- N. IT MAY BECOME NECESSARY FOR THE ELECTRICAL CONTRACTOR TO RELOCATE EXISTING CONDUIT, CHANNELS, AND OTHER SUPPORTS WHICH MAY PARTIALLY CONFLICT WITH SOME OF THE EQUIPMENT. CONTRACTOR SHALL RELOCATE THESE ITEMS AT NO ADDITIONAL COST TO THE OWNER.

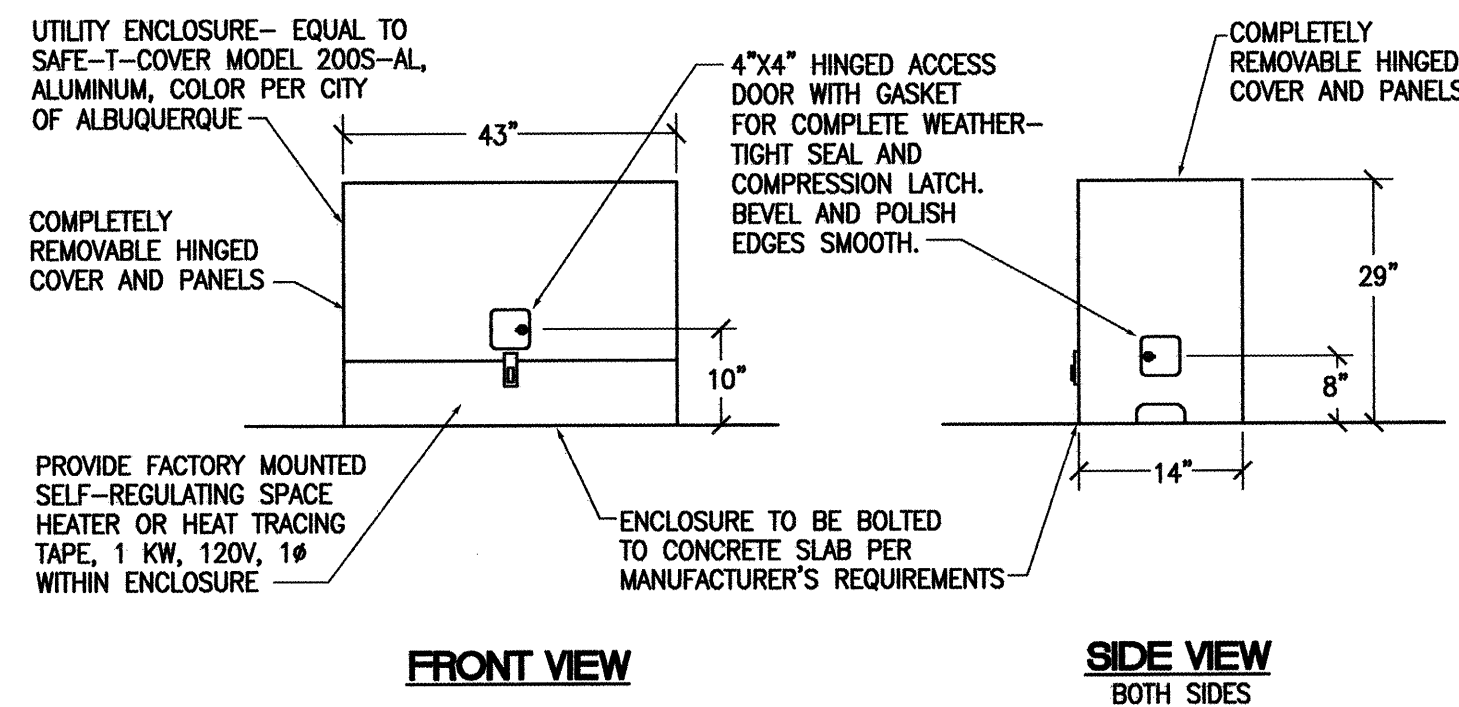
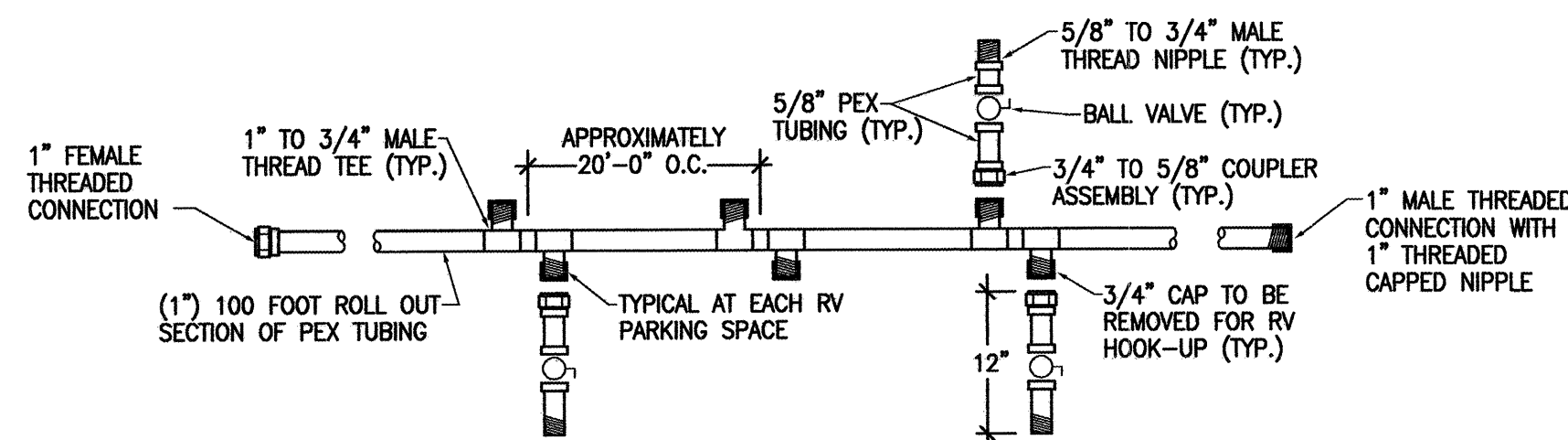
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT	
BALLOON FIESTA PARK RV PARKING LOT UTILITIES ELECTRICAL DETAILS	
Design Review Committee APPROVED JAN 17 2006 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED JAN 17 2006 CITY ENGINEER
City Project No. 662992	Zone Map No. C-17-Z
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AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		DATE	
CONTRACTOR	DATE	STATION	DATE	NO.	BY	DATE	NO.	DATE	DATE	DATE	DATE	DATE	DATE
INSPECTOR'S	DATE	INSPECTOR'S	DATE	NO.	BY	DATE	NO.	DATE	DATE	DATE	DATE	DATE	DATE
FIELD	DATE	FIELD	DATE	NO.	BY	DATE	NO.	DATE	DATE	DATE	DATE	DATE	DATE
REVISION	DATE	REVISION	DATE	NO.	BY	DATE	NO.	DATE	DATE	DATE	DATE	DATE	DATE
CORRECTED	DATE	CORRECTED	DATE	NO.	BY	DATE	NO.	DATE	DATE	DATE	DATE	DATE	DATE
MICRO-FILM	DATE	MICRO-FILM	DATE	NO.	BY	DATE	NO.	DATE	DATE	DATE	DATE	DATE	DATE
RECORDED	DATE	RECORDED	DATE	NO.	BY	DATE	NO.	DATE	DATE	DATE	DATE	DATE	DATE
NO.	DATE	NO.	DATE	NO.	BY	DATE	NO.	DATE	DATE	DATE	DATE	DATE	DATE

SCANNED BY
MESA REPRO

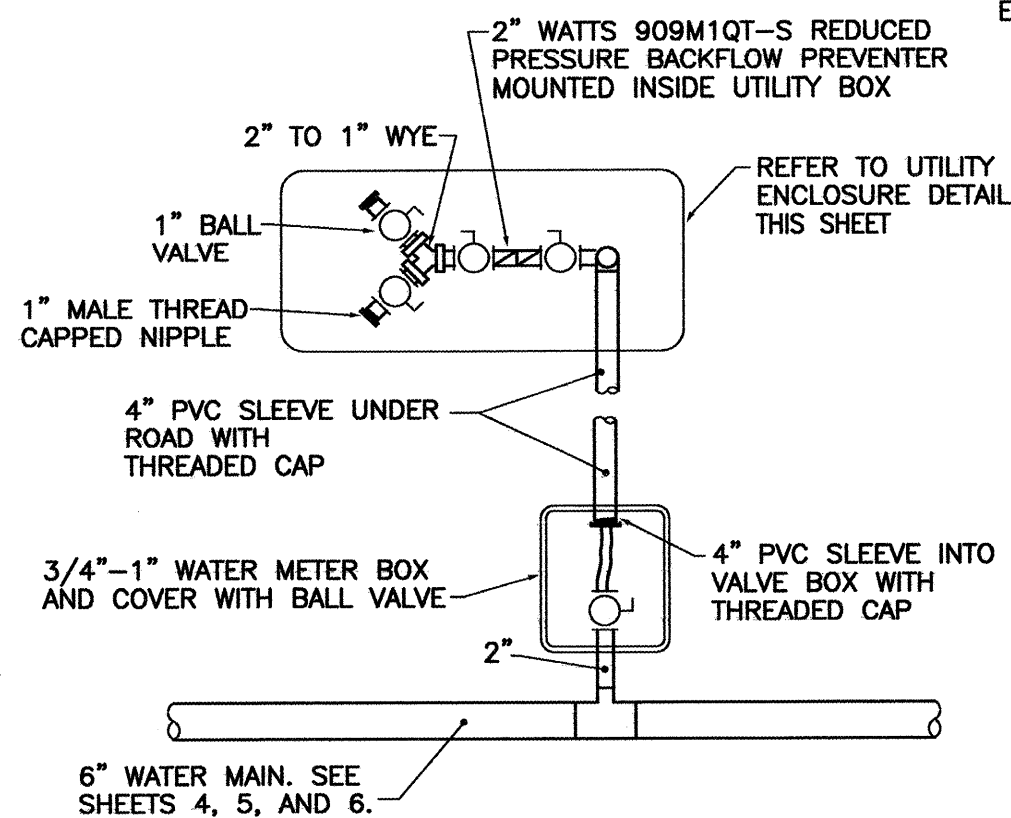
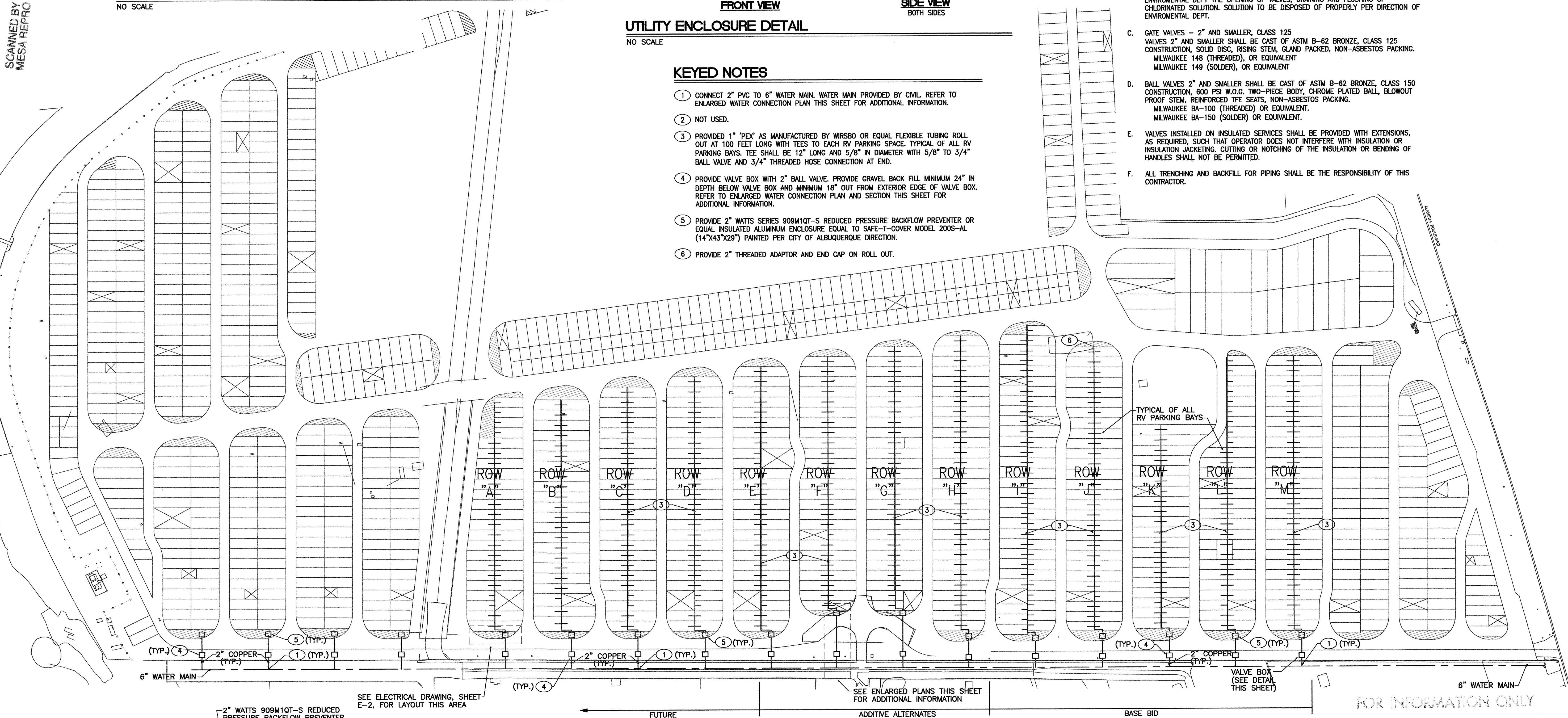


KEYED NOTES

- CONNECT 2" PVC TO 6" WATER MAIN. WATER MAIN PROVIDED BY CIVIL. REFER TO ENLARGED WATER CONNECTION PLAN THIS SHEET FOR ADDITIONAL INFORMATION.
- NOT USED.
- PROVIDED 1" PEX AS MANUFACTURED BY WIRSBO OR EQUAL FLEXIBLE TUBING ROLL OUT AT 100 FEET LONG WITH TEES TO EACH RV PARKING SPACE. TYPICAL OF ALL RV PARKING BAYS. TEE SHALL BE 12" LONG AND 5/8" IN DIAMETER WITH 5/8" TO 3/4" BALL VALVE AND 3/4" THREADED HOSE CONNECTION AT END.
- PROVIDE VALVE BOX WITH 2" BALL VALVE. PROVIDE GRAVEL BACK FILL MINIMUM 24" IN DEPTH BELOW VALVE BOX AND MINIMUM 18" OUT FROM EXTERIOR EDGE OF VALVE BOX. REFER TO ENLARGED WATER CONNECTION PLAN AND SECTION THIS SHEET FOR ADDITIONAL INFORMATION.
- PROVIDE 2" WATTS SERIES 909M1QT-S REDUCED PRESSURE BACKFLOW PREVENTER OR EQUAL INSULATED ALUMINUM ENCLOSURE EQUAL TO SAFE-T-COVER MODEL 200S-AL (14"x43"x29") PAINTED PER CITY OF ALBUQUERQUE DIRECTION.
- PROVIDE 2" THREADED ADAPTOR AND END CAP ON ROLL OUT.

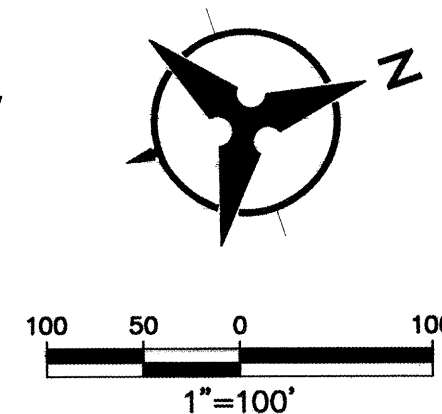
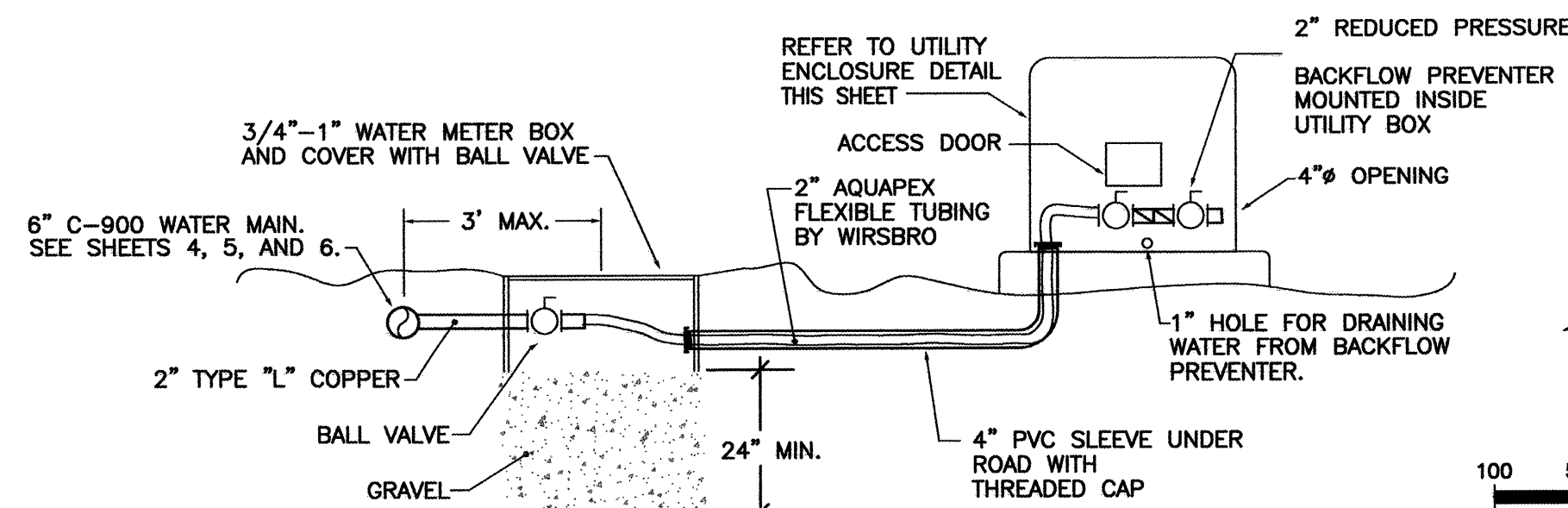
GENERAL NOTES

- THE PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE UNIFORM BUILDING CODE; THE UNIFORM PLUMBING CODE; THE UNIFORM MECHANICAL CODE, AS ADOPTED AND INTERPRETED BY THE STATE OF NEW MEXICO, AND THE CITY OF ALBUQUERQUE. ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THESE, REGULATIONS AND ORDINANCES SHALL BE PROVIDED.
- ALL NEW WATER PIPING DOWNSTREAM OF ISOLATION VALVE LOCATED IN VALVE BOX TO SHUT VALVE DOWNSTREAM OF REDUCED PRESSURE BACKFLOW PREVENTER MOUNTED IN UTILITY BOX SHALL BE CHARGED WITH A CHLORINE SOLUTION CONTAINING NOT LESS THAN 50 PPM AVAILABLE CHLORINE. THE SOLUTION SHALL REMAIN IN THE PIPING FOR A PERIOD OF 24 HOURS, DURING WHICH TIME VALVES SHALL BE OPENED AND CLOSED TO PERMIT A SMALL FLOW OF THE SOLUTION. AT THE END OF 24 HOURS, THE SOLUTION SHALL BE TESTED AND MUST CONTAIN A RESIDUAL OF AT LEAST 5-10 PPM CHLORINE. THE SYSTEM SHALL THEN BE DRAINED AND FLUSHED TO PROVIDE SATISFACTORY POTABLE WATER BEFORE FINAL CONNECTION IS MADE TO THE EXISTING DISTRIBUTION SYSTEM. COORDINATE WITH THE CITY OF ALBUQUERQUE ENVIRONMENTAL DEPT THE OPENING OF VALVES, DRAINING AND FLUSHING OF CHLORINATED SOLUTION. SOLUTION TO BE DISPOSED OF PROPERLY PER DIRECTION OF ENVIRONMENTAL DEPT.
- GATE VALVES - 2" AND SMALLER, CLASS 125 VALVES 2" AND SMALLER SHALL BE CAST OF ASTM B-62 BRONZE, CLASS 125 CONSTRUCTION, SOLID DISC, RISING STEM, GLAND PACKED, NON-ASBESTOS PACKING. MILWAUKEE 148 (THREADED), OR EQUIVALENT MILWAUKEE 149 (SOLDER), OR EQUIVALENT.
- BALL VALVES 2" AND SMALLER SHALL BE CAST OF ASTM B-62 BRONZE, CLASS 150 CONSTRUCTION, 600 PSI W.O.G. TWO-PIECE BODY, CHROME PLATED BALL, BLOWOUT PROOF STEM, REINFORCED TFE SEATS, NON-ASBESTOS PACKING. MILWAUKEE BA-100 (THREADED) OR EQUIVALENT. MILWAUKEE BA-150 (SOLDER) OR EQUIVALENT.
- VALVES INSTALLED ON INSULATED SERVICES SHALL BE PROVIDED WITH EXTENSIONS, AS REQUIRED, SUCH THAT OPERATOR DOES NOT INTERFERE WITH INSULATION OR INSULATION JACKETING. CUTTING OR NOTCHING OF THE INSULATION OR BENDING OF HANDLES SHALL NOT BE PERMITTED.
- ALL TRENCHING AND BACKFILL FOR PIPING SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.



PLUMBING UTILITIES

SCALE: 1" = 100'



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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT	
BALLOON FIESTA PARK RV PARKING LOT UTILITIES PLUMBING UTILITIES	
Design Review Committee APPROVED JAN 17 2006 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED JAN 17 2006 CITY ENGINEER
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CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

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

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
 1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
 3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

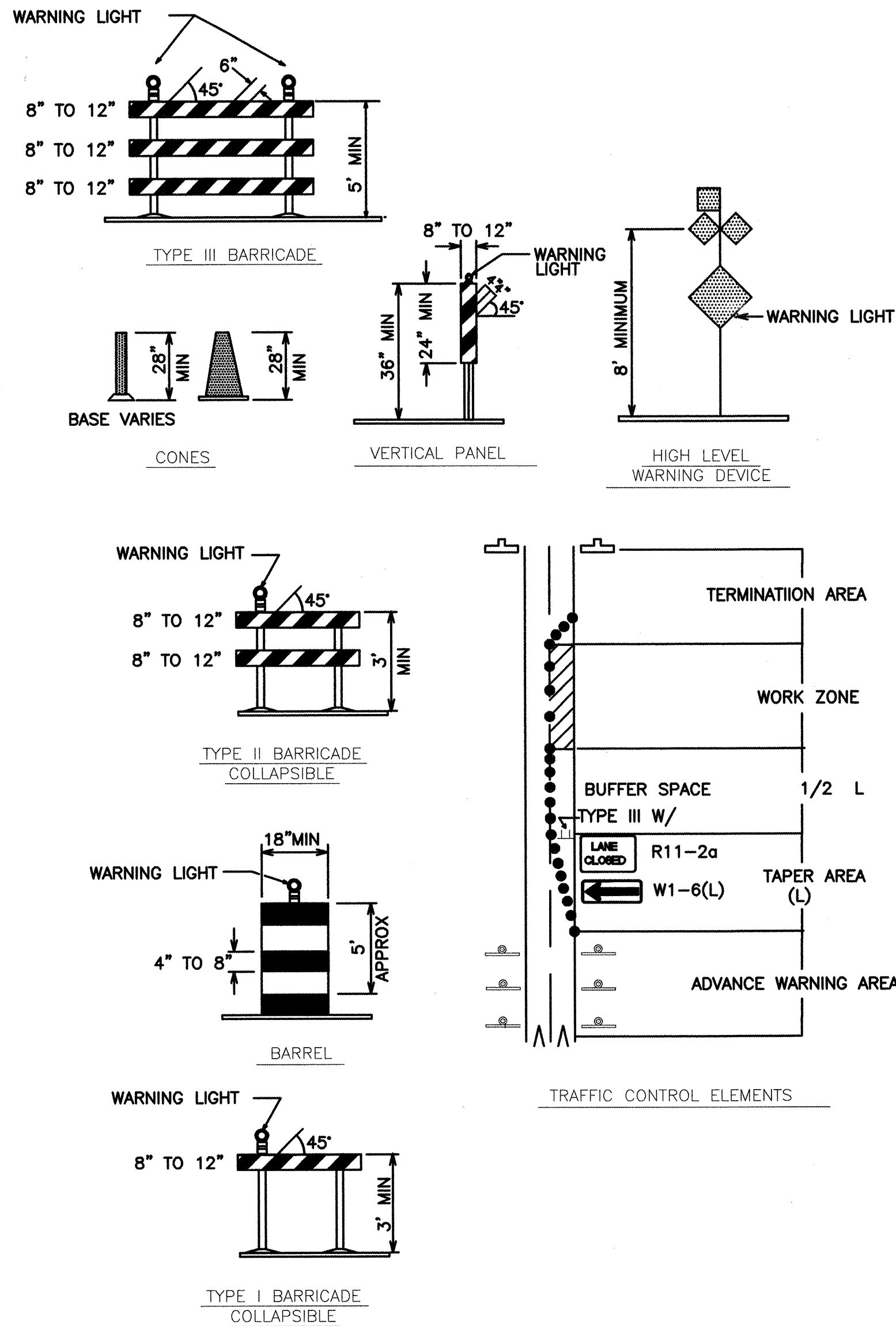
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION, WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.

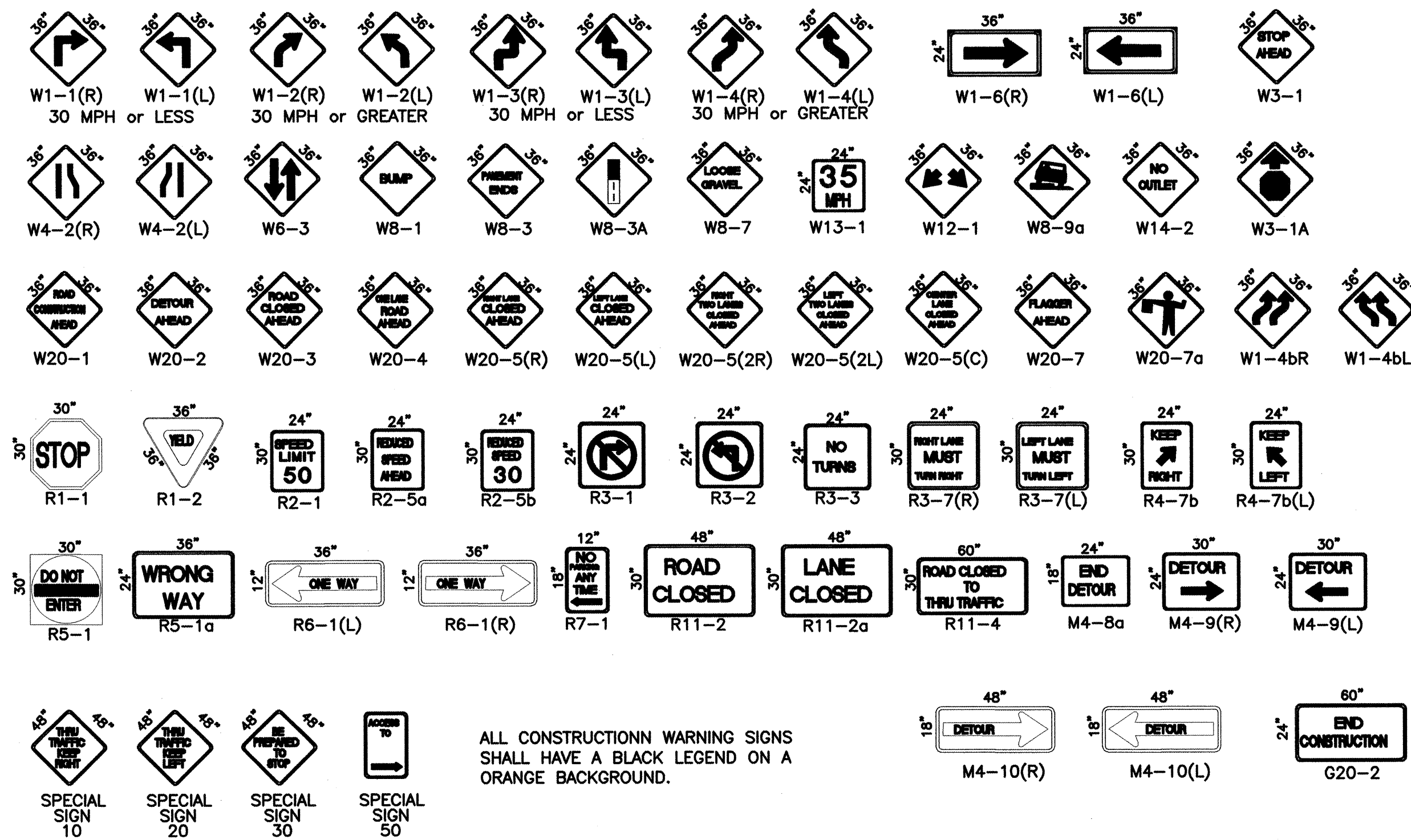
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.

27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.



SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

LEGEND

- WORK AREA
- BARRICADE - TYPE I, TYPE II, OR BARREL
- BARRICADE - TYPE III
- VERTICAL PANEL
- WARNING SIGN
- DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE STREET LIMIT OF THE STREET
- TAPER LENGTH - SEE CHART BELOW

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

TAPER REQUIREMENT

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

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

SPEED LIMIT (MPH)	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	MINIMUM DISTANCE IN FEET FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

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

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
40 MPH OR GREATER	$L = W \times S$

L = TAPER LENGTH
 W = WIDTH OF OFFSET IN FEET
 S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

FOR INFORMATION ONLY

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP

TITLE: TRAFFIC CONTROL SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

DESIGN REVIEW COMMITTEE: APPROVED JAN 17 2006

CITY ENGINEER APPROVAL: APPROVED JAN 17 2006

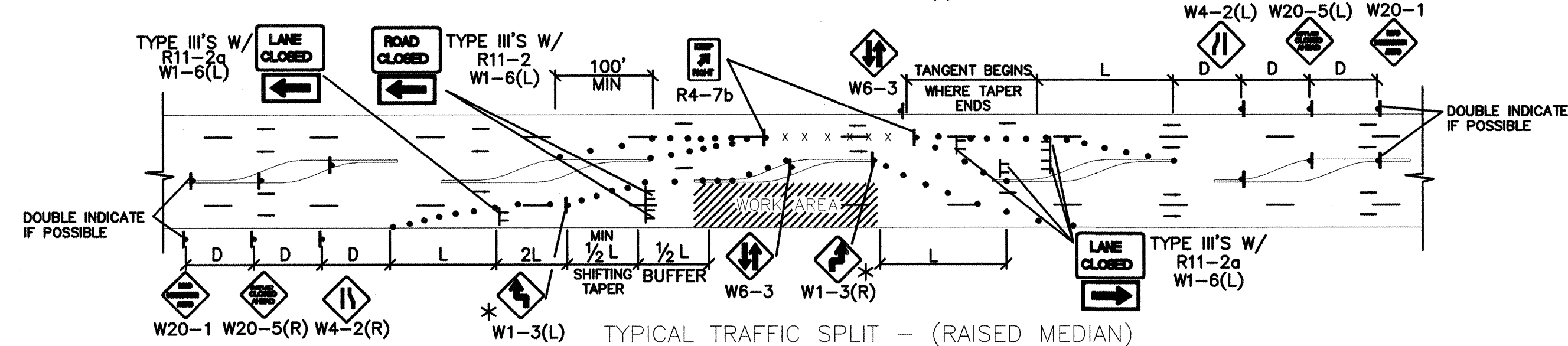
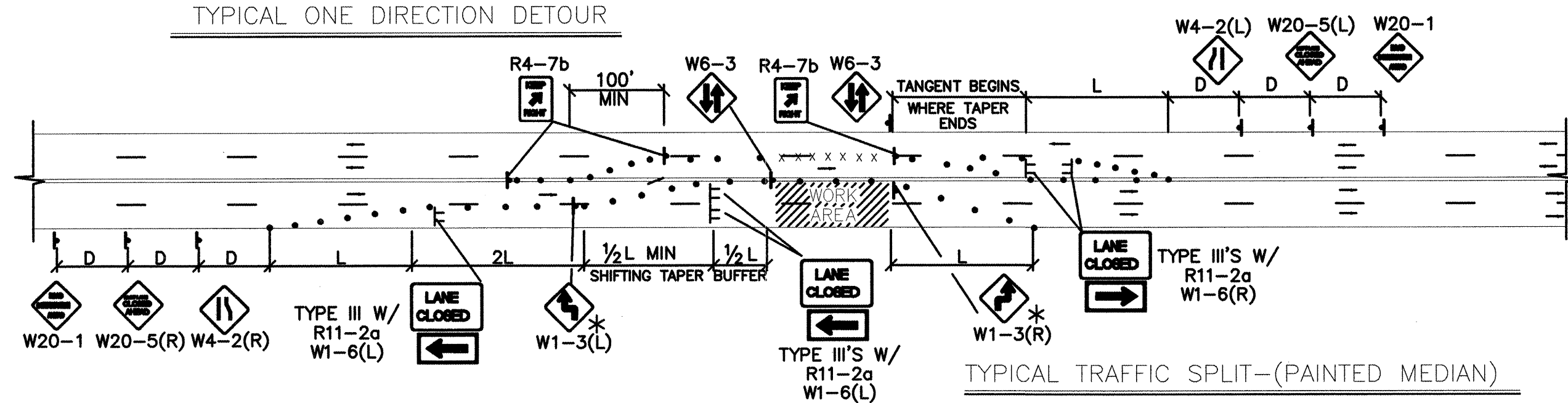
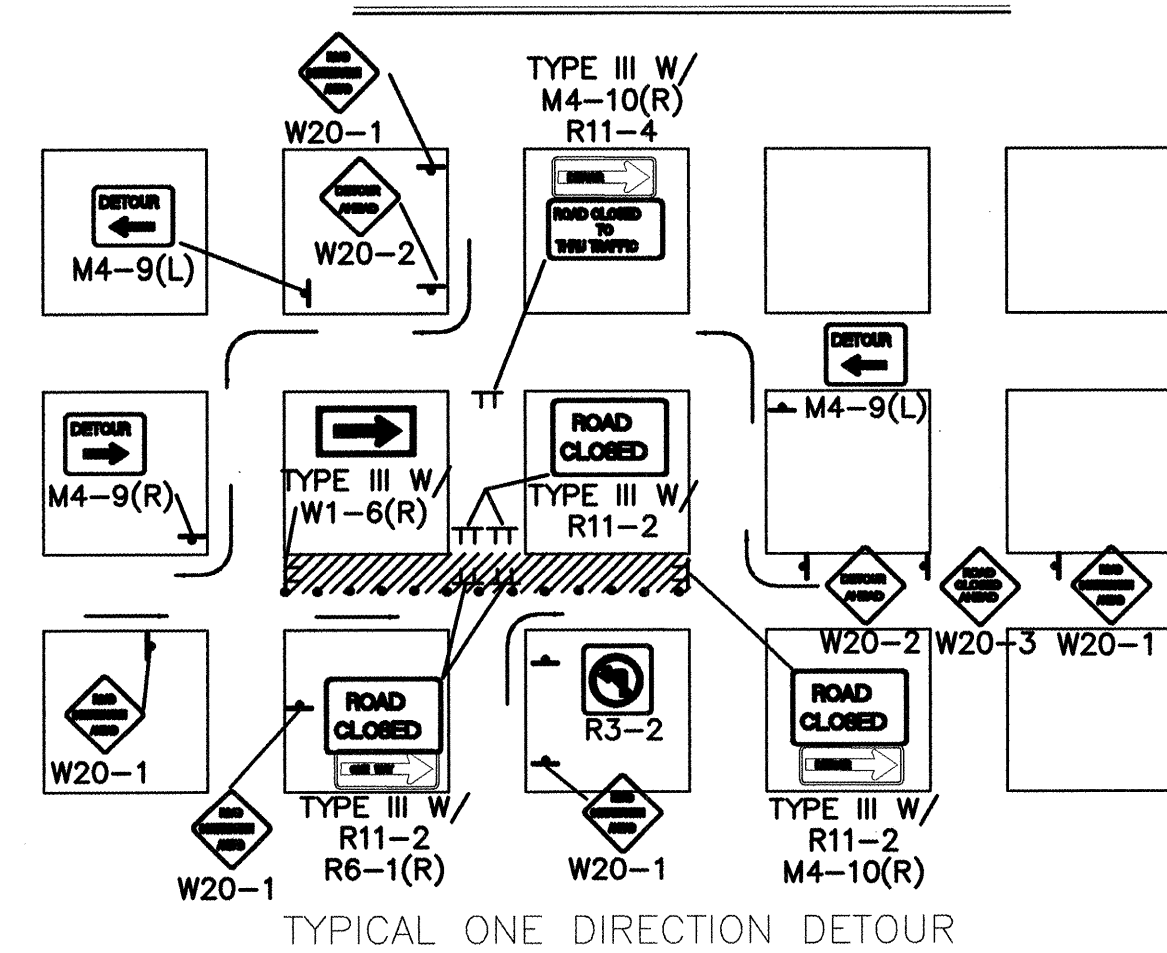
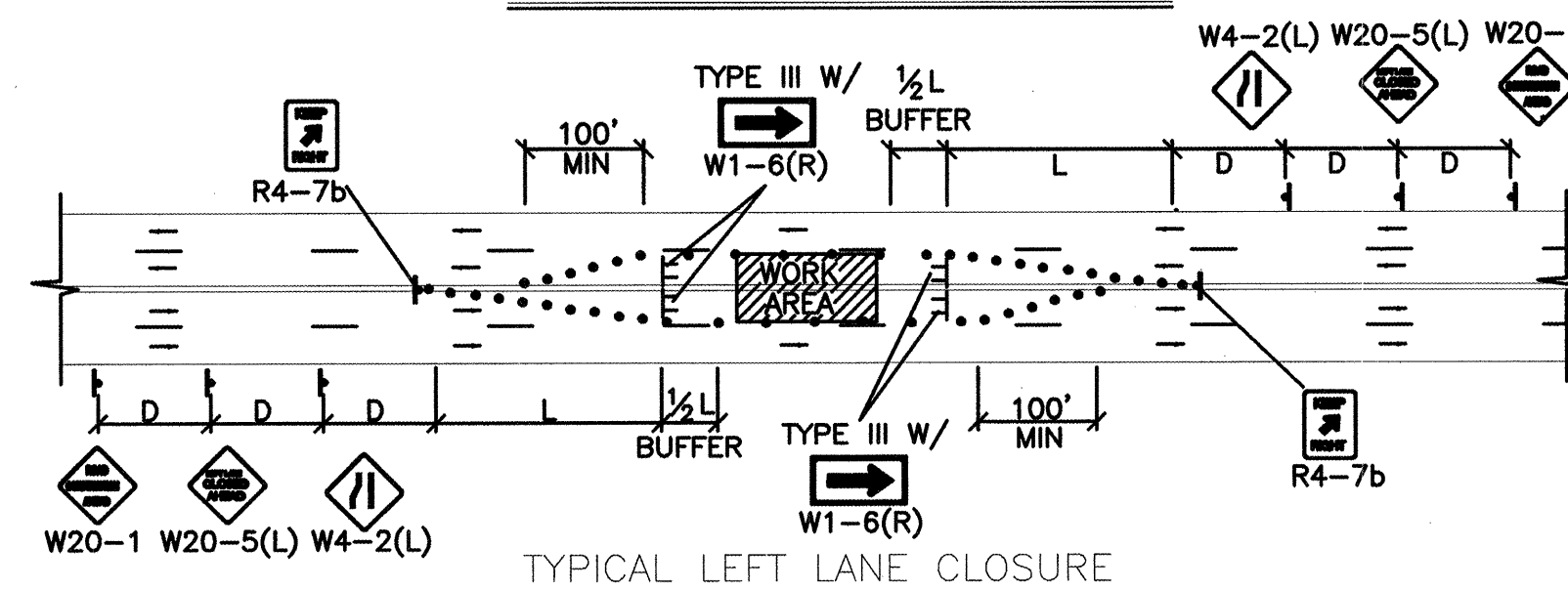
DESIGNED BY: BOHANNAN HUSTON

DRAWN BY: BOHANNAN HUSTON

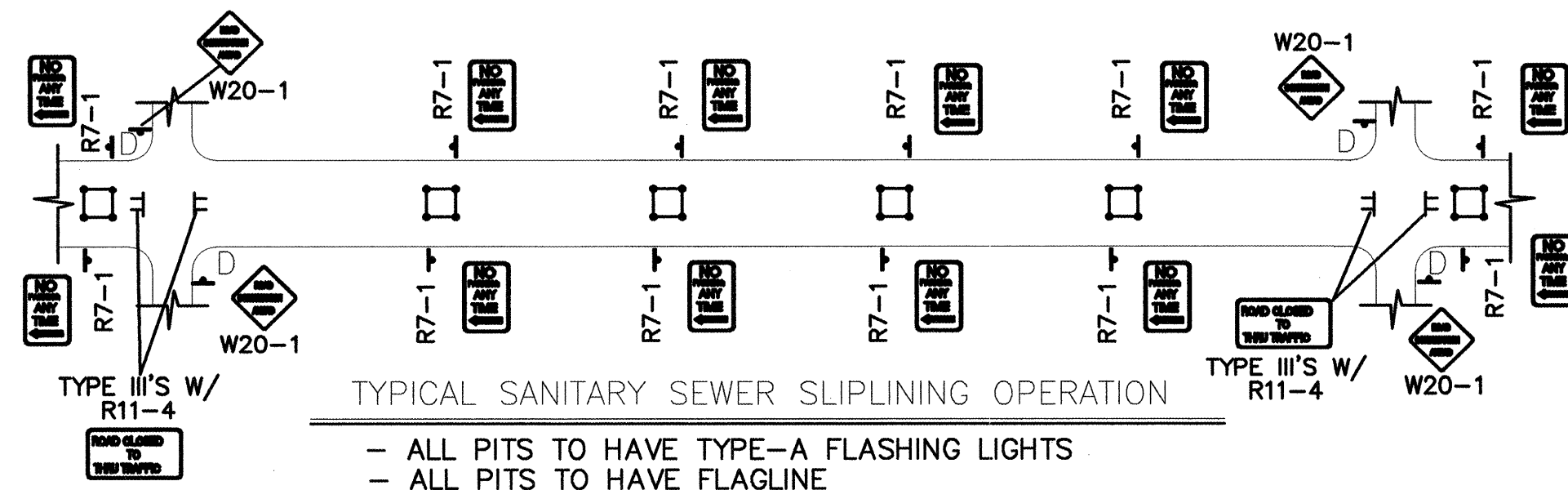
CHECKED BY: BOHANNAN HUSTON

ZONE MAP NO. 662992

SHEET 22 OF 23



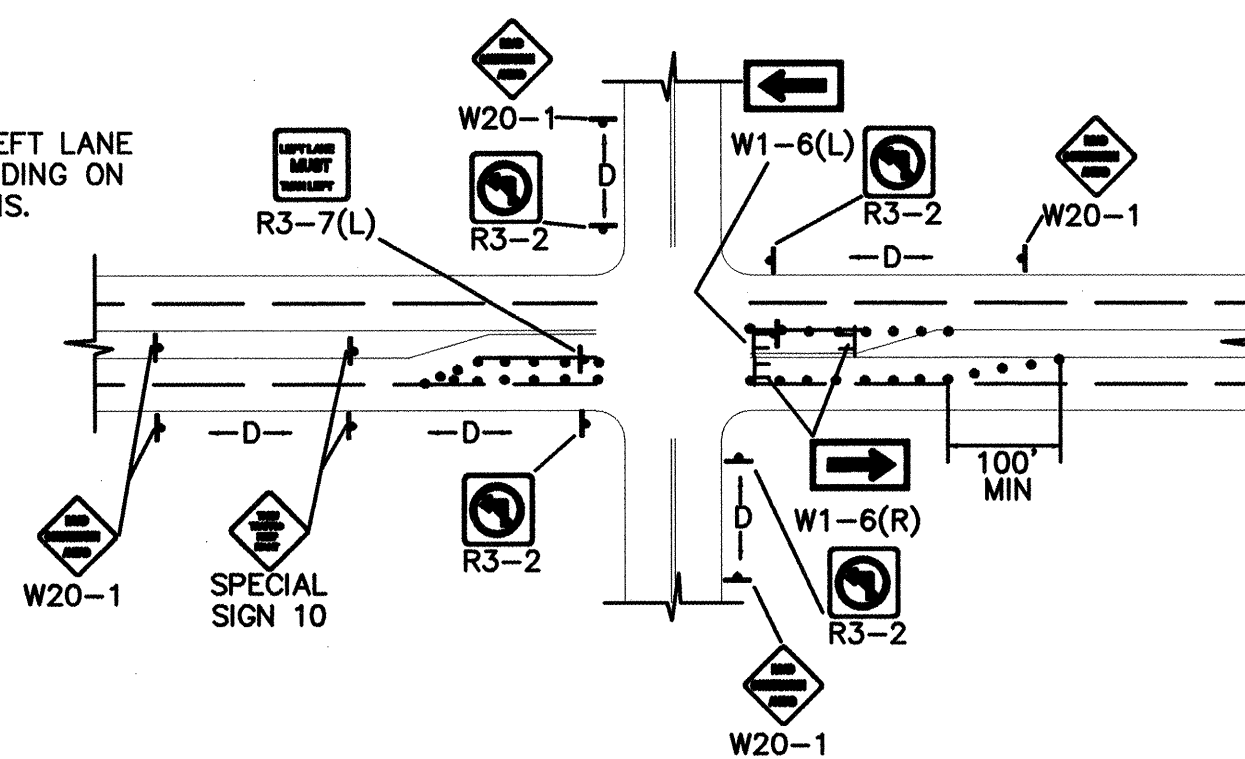
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCE SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. 1/2 L IS THE MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED, ALL CURVE DATA SHALL BE CALCULATED.
4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
5. REDUCED SPEED MAY BE CONSIDERED.
6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.



GENERAL NOTE:
ALL CONSTRUCTION WARNING
SIGNS SHALL HAVE A BLACK
LEGEND ON A ORANGE
BACKGROUND.

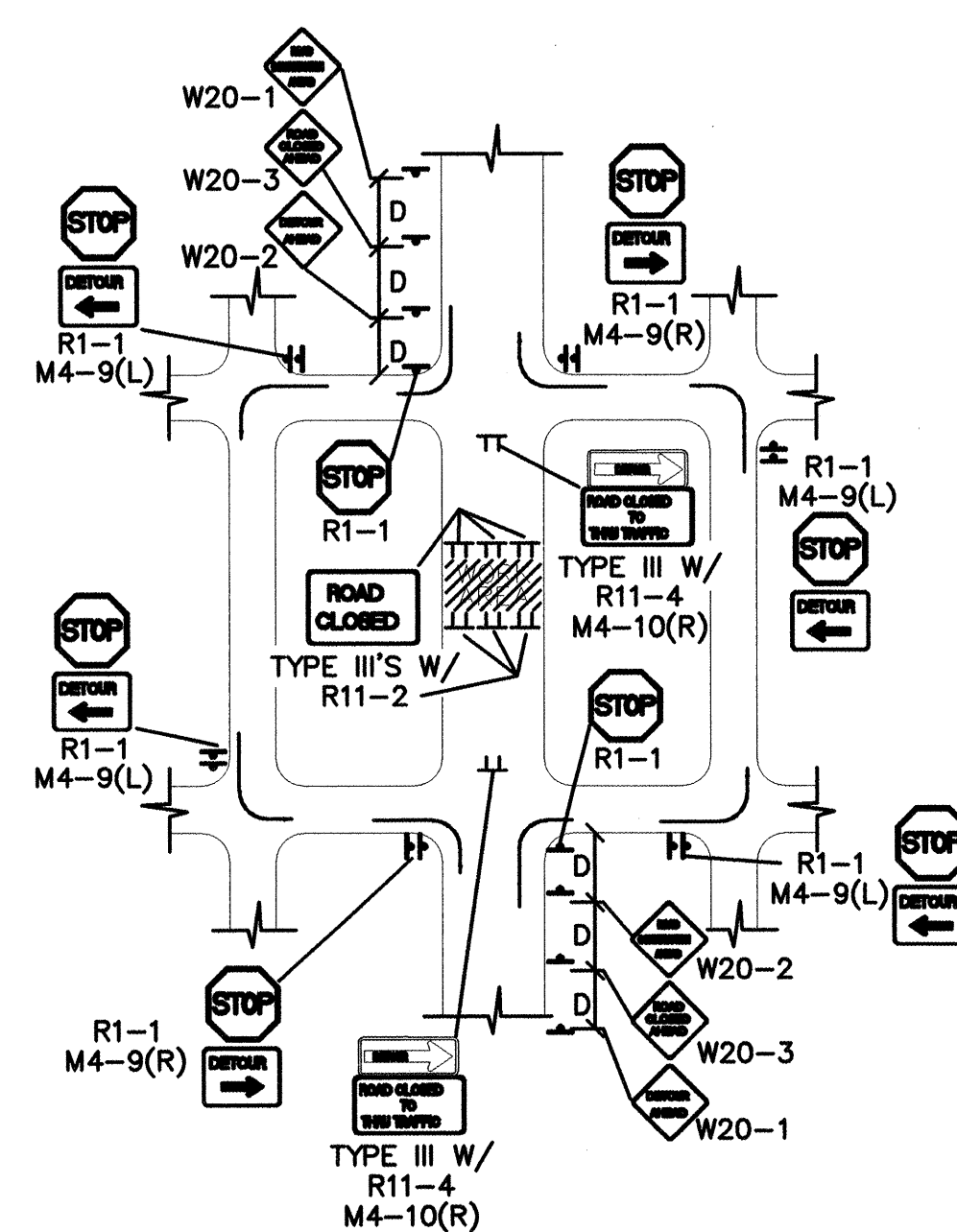
⚠ ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

NOTE:
MAY REQUIRE LEFT LANE
CLOSURE DEPENDING ON
FIELD CONDITIONS.



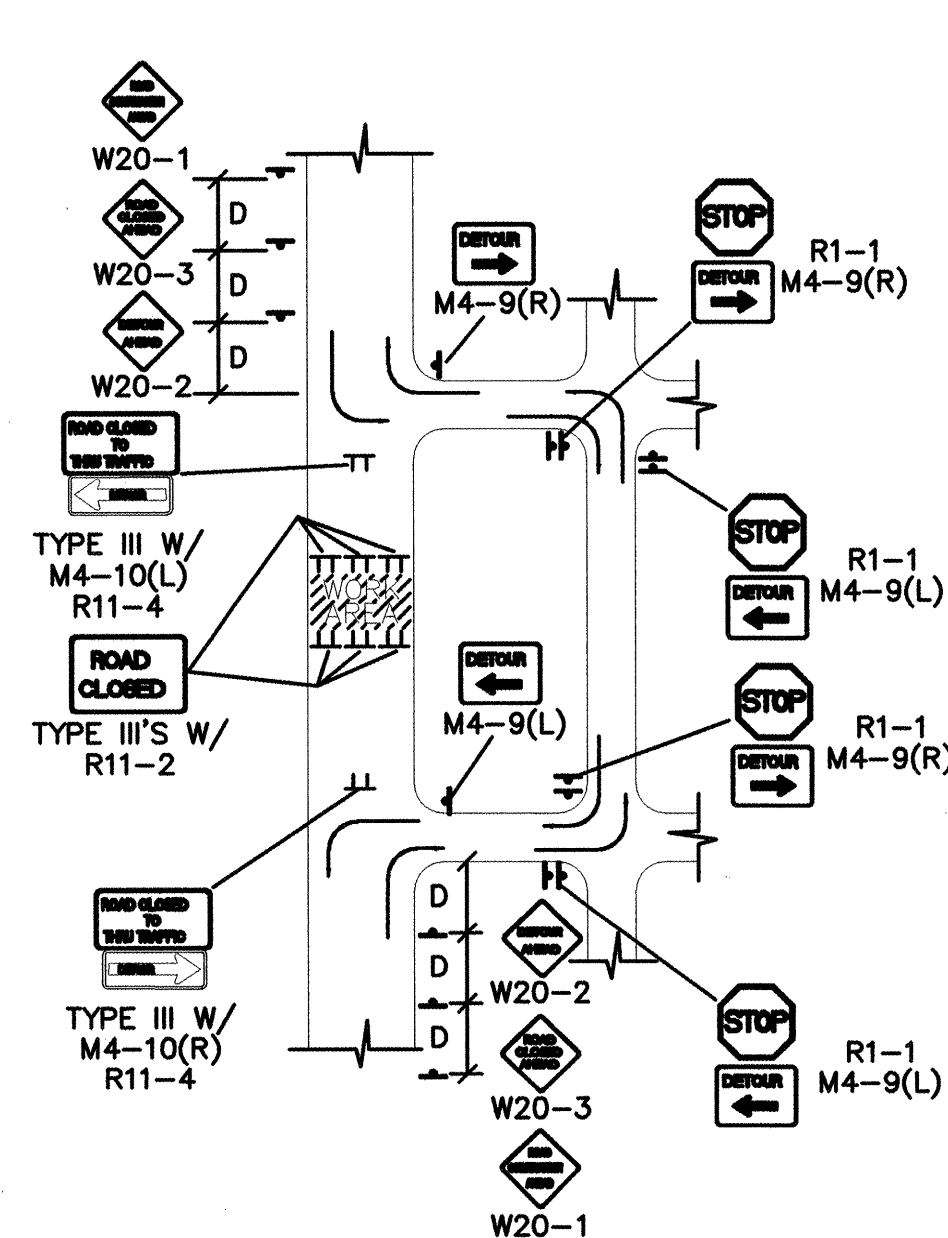
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION.



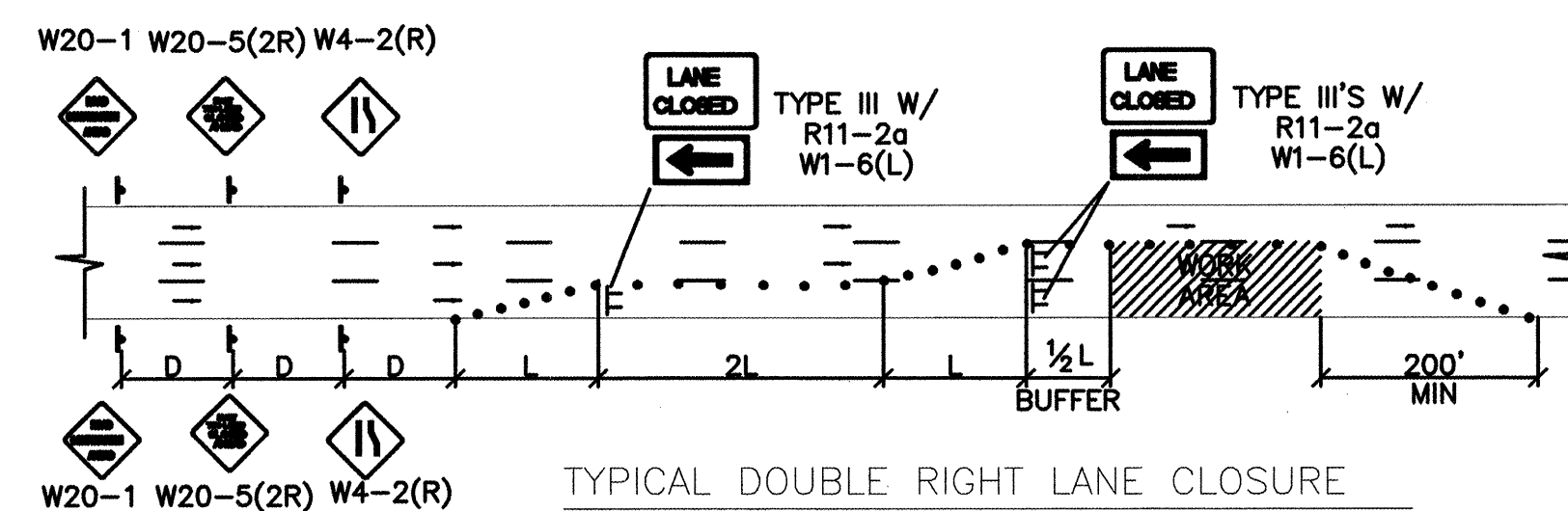
TYPICAL MID-BLOCK CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

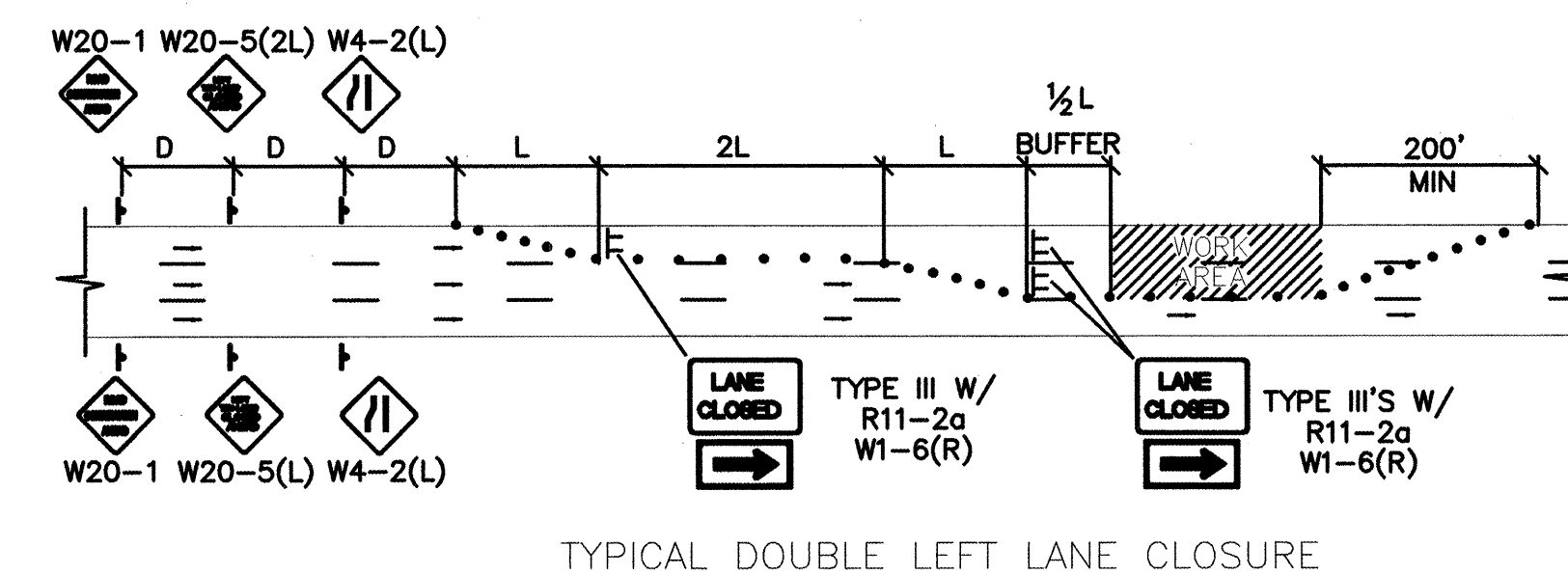


TYPICAL STREET CLOSURE

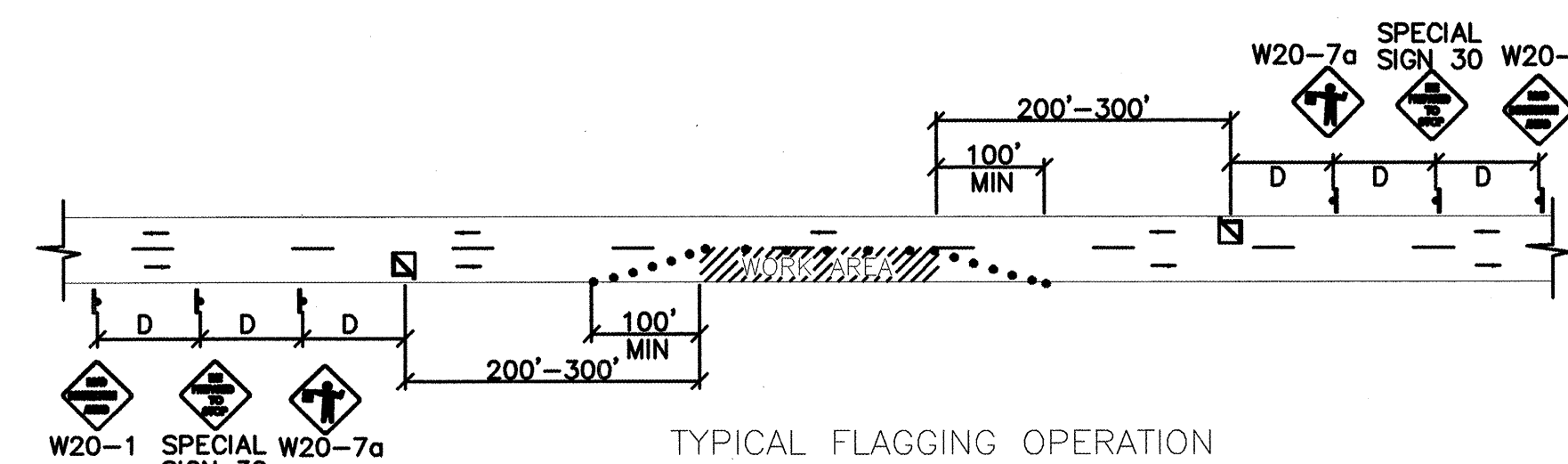
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



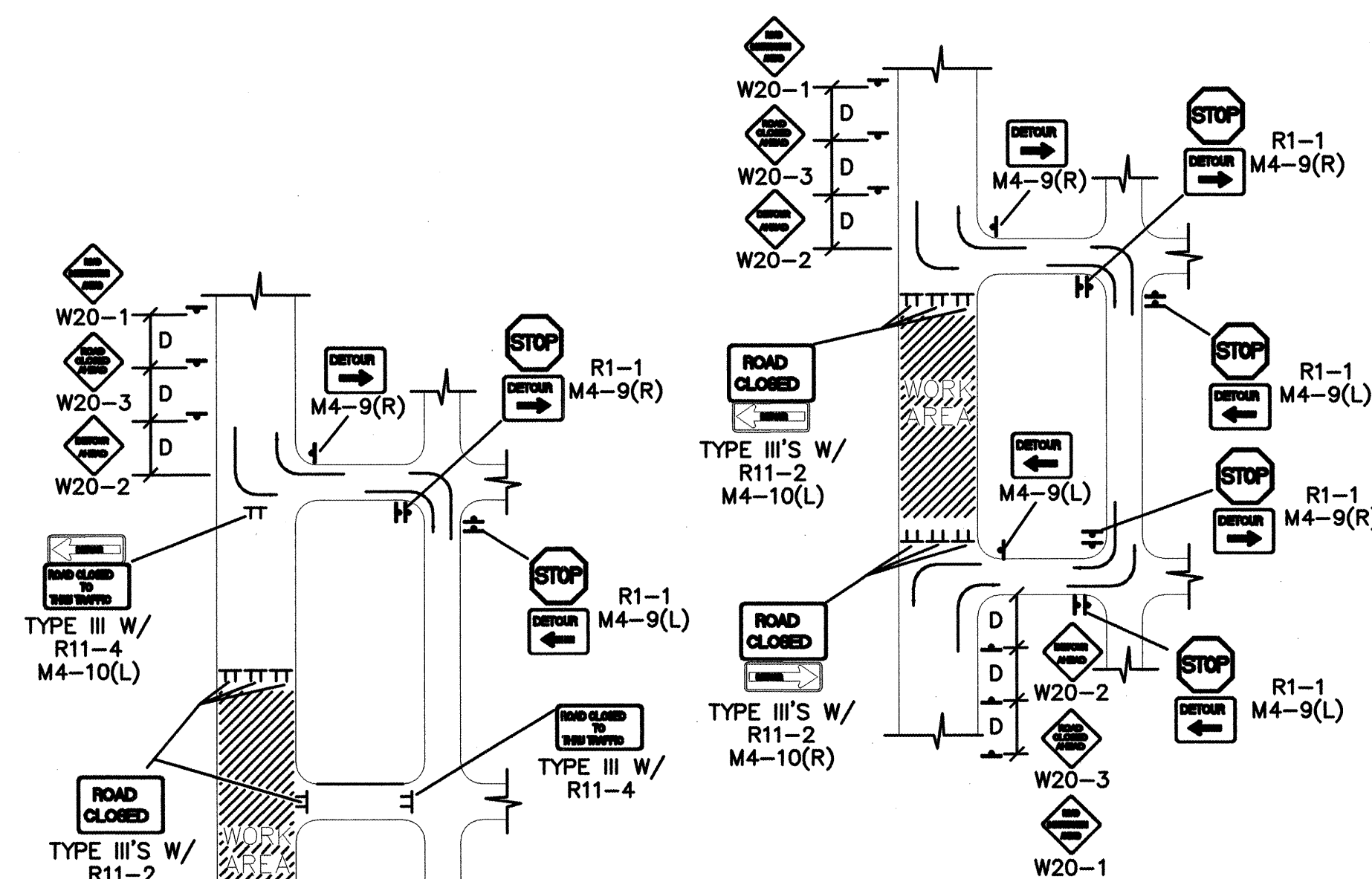
TYPICAL DOUBLE RIGHT LANE CLOSURE



TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



TYPICAL STREET CLOSURE

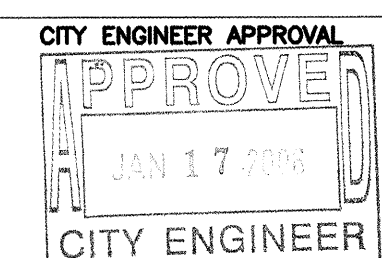
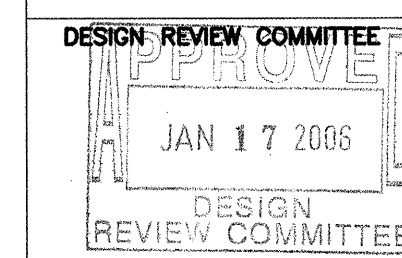
NOTE: (R1-1) BASED ON FIELD CONDITIONS.

FOR INFORMATION ONLY




CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:	TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF MUTCD)
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CITY PROJECT NO.	662992	ZONE MAP NO.	C-17-7	SHEET	23	OF	23
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					ENGINEER'S SEAL	SURVEY INFORMATION	BENCH MARKS	AS-BUILT INFORMATION	
						FIELD NOTES			CONTRACTOR
						NO.	BY DATE		WORK ISSUED BY
		JDL							INSPECTOR'S DATE
			BY						ACCEPTANCE BY DATE
									VERIFICATION BY DATE
									CORRECTIONS DATE
									MICRO-FILM INFORMATION
									RECORDED BY DATE
								NO.	
DESIGNED BY BOHANNAN HUSTON				DATE 5-97					
DRAWN BY BOHANNAN HUSTON				DATE 5-97					
CHECKED BY BOHANNAN HUSTON				DATE 5-97					



DESIGNED BY BOHANNAN HUSTON	DATE 5-97
DRAWN BY BOHANNAN HUSTON	DATE 5-97
CHECKED BY BOHANNAN HUSTON	DATE 5-97