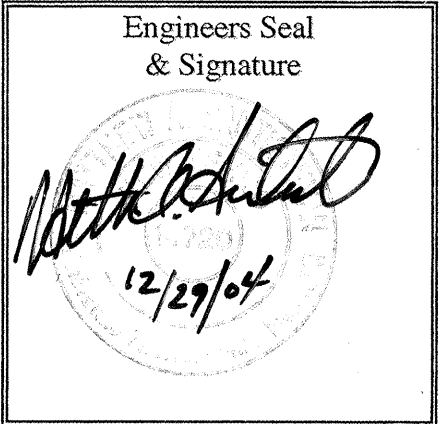


RECORD DRAWING

CONSTRUCTION PLANS FOR SANDIA SCIENCE AND TECHNOLOGY PARK INNOVATION PARKWAY STA. 34+32 TO 44+00 ALBUQUERQUE, NEW MEXICO

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Matthew A. Santistevan of the firm of Bohannon Huston, Inc., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project (Sandia Science and Technology Park - Innovation Parkway Sta. 34+32 to 44+00 - City Project No. 692681) 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 approved by the City Engineer and that 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 and survey information provided by the contractor, Universal Constructors, Inc. and their surveyor, Jeff Mortensen and Associates, Charles G. Cala, Jr., NMPS #11184.



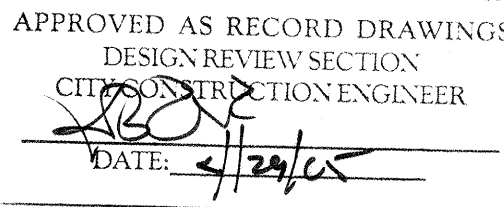
INDEX

SHEET NUMBER	DESCRIPTION
1	COVER SHEET
2	PLAT
3	PAVING PLAN AND PROFILE SHEETS
4	UTILITY PLAN AND PROFILE SHEET
5	MISCELLANEOUS DETAIL SHEET

SURVEYOR'S CERTIFICATION

I, Charles G. Cala, Jr., a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that the "as-built" information shown on these drawings was obtained from field construction and "as-built" surveys performed by me or under my supervision, that the "as-built" information shown on these drawings was added by me or under my supervision, and that this "as-built" information is true and correct to the best of my knowledge and belief and that I am not responsible for any of the design concepts, calculations, engineering, or intent of the record drawings.

Charles G. Cala, Jr. 11-19-2004
Charles G. Cala, Jr., NMPS 11184 Date

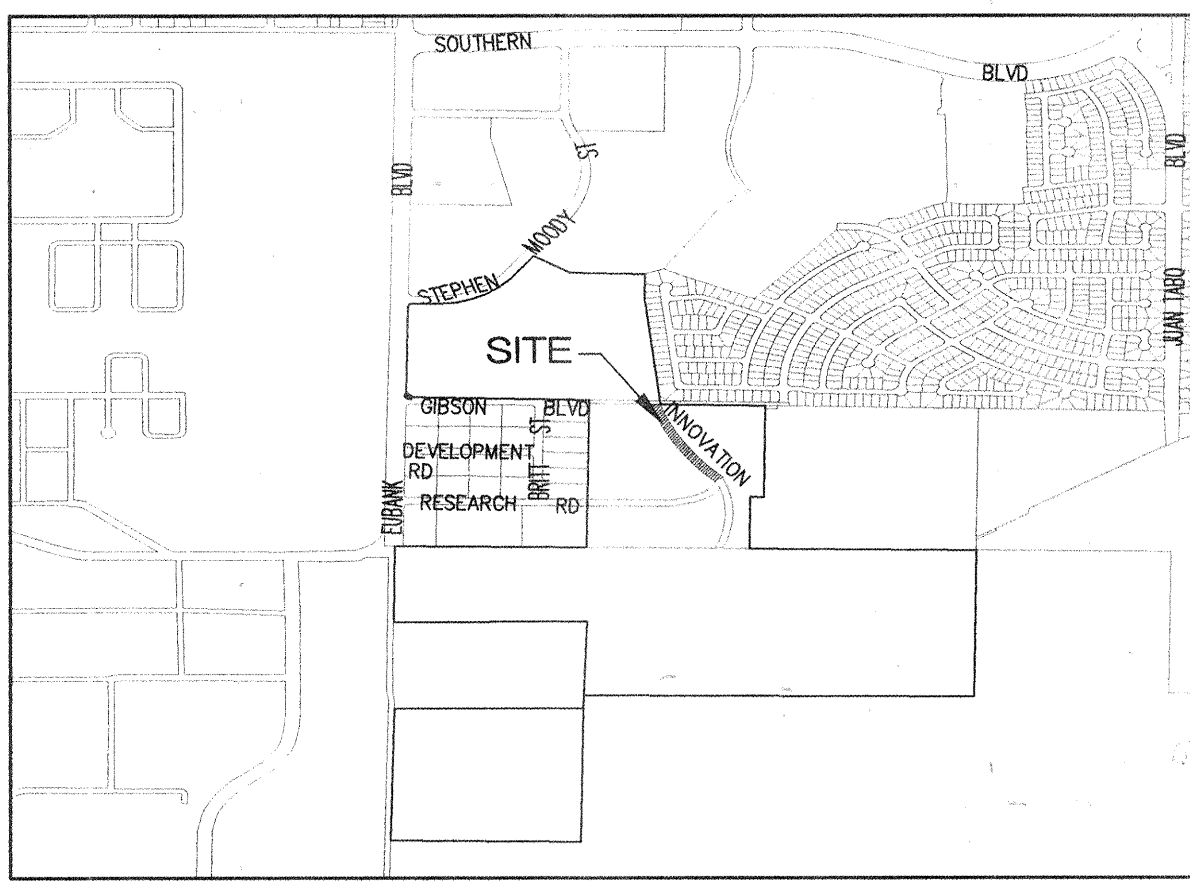


CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.
2. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR CONSTRUCTION OBSERVER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
3. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
4. DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CONSTRUCTION OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
5. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
6. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.
7. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
8. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E. BARRICADING, SURFACE DISTURBANCE, NPDES, DUST CONTROL, ECT.) AND ALL COSTS AND FEES NECESSARY FOR COMPLIANCE THEREWITH SHALL BE BORNE BY THE CONTRACTOR AND SHALL BE INCIDENTAL.
9. 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.
10. ALL PERMANENT PAVEMENT MARKING AND TRAFFIC SIGNING SHALL BE FURNISHED BY THE CONTRACTOR PER PLAN.
11. THE CONTRACTOR SHALL FOLLOW THE CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN PROVIDED HEREIN. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
12. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
13. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
14. ALL SAWCUT PAVEMENT SHALL HAVE A UNIFORM EDGE AND BE SPRAYED WITH TACK.
15. WHEN ABUTTING NEW CURB AND GUTTER TO EXISTING PAVEMENT, A 1' WIDE SECTION OF EXISTING PAVEMENT ADJACENT TO THE CURB AND GUTTER SHALL BE SAWCUT, REMOVED, AND REPLACED AS PER THE STANDARD SPECIFICATIONS.
16. 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.
17. FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.
18. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EVERYTHING REQUIRED BY THE SWPPP. THIS INCLUDES THE BMP'S AND ALL INSPECTIONS AND RECORD KEEPING REQUIRED BY THE NPDES GENERAL PERMIT FOR CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL MAKE HIMSELF THOROUGHLY FAMILIAR WITH THE SWPPP AND THE NPDES GENERAL PERMIT FOR CONSTRUCTION ACTIVITIES.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 69 26 82 11 05

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Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335



VICINITY MAP
ZONE MAP L-21-Z

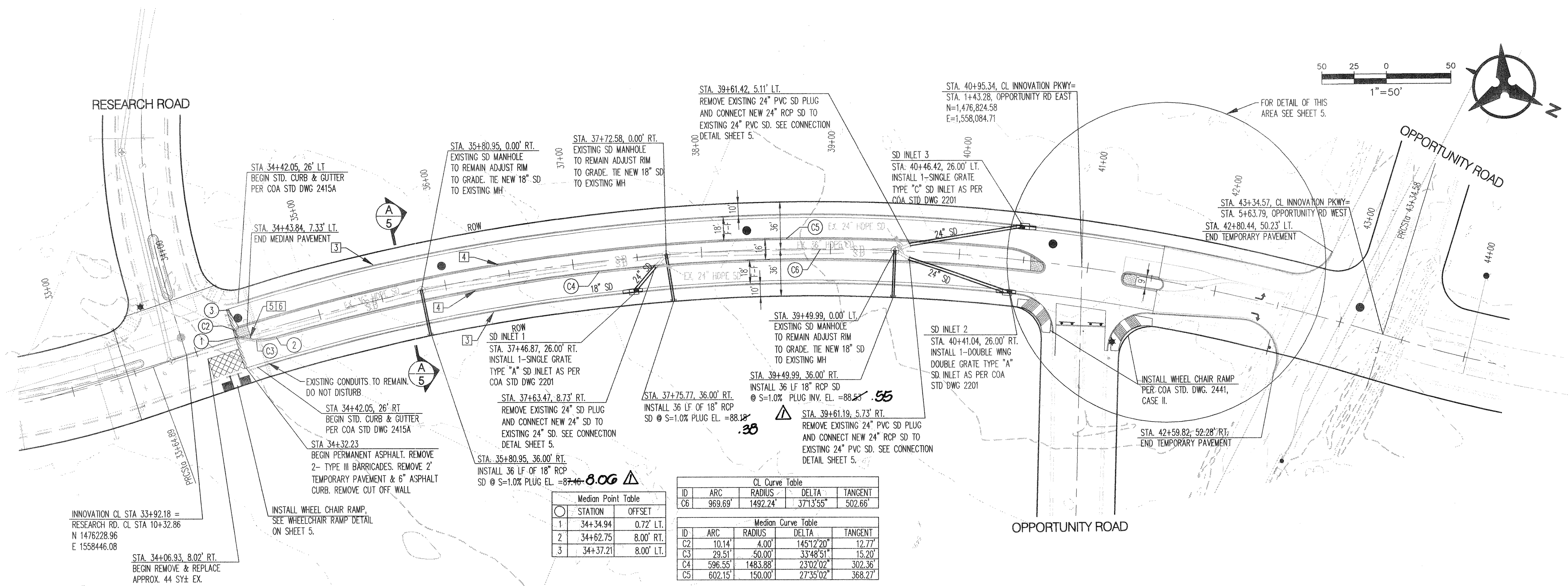
NOTICE TO CONTRACTORS

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 SCHEDULED. 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.

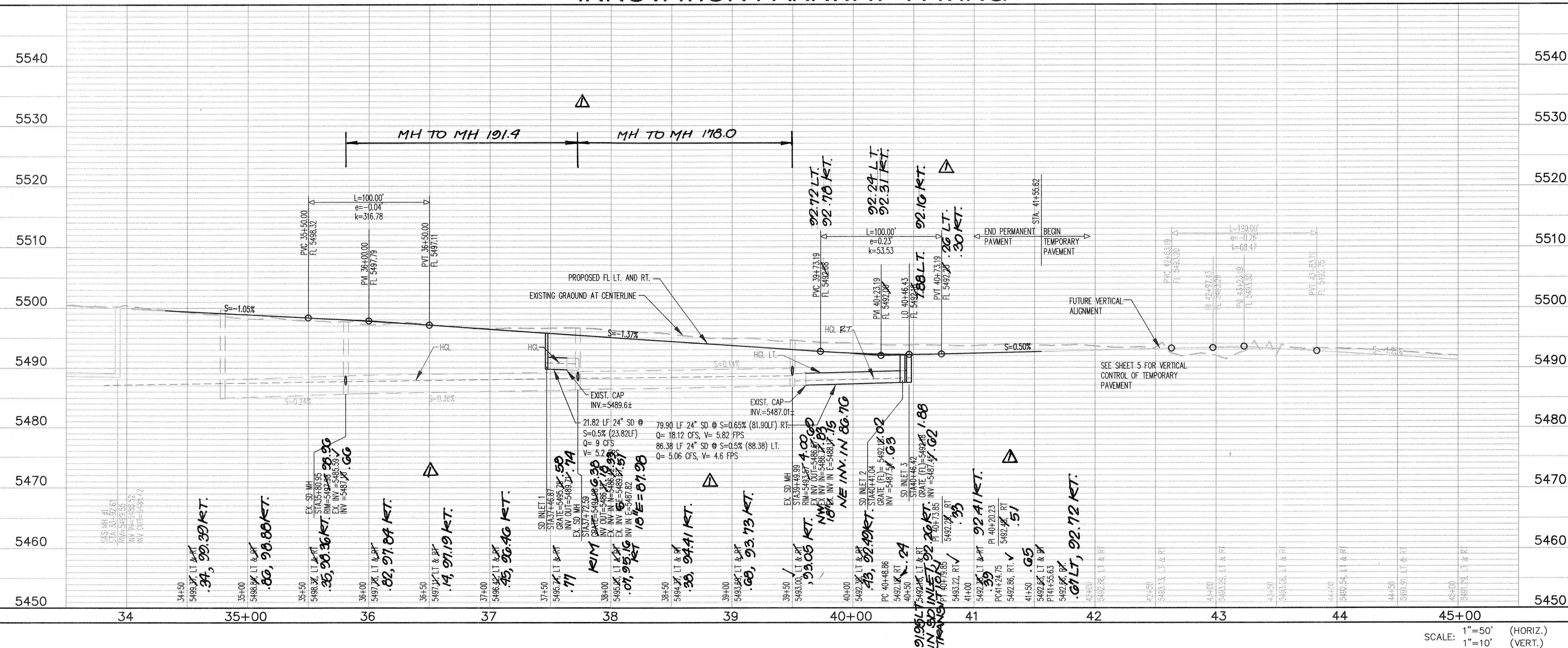
THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☒ IF CURB IS DEPRESSIONED 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.

1,3,4,5	11-2004						
REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
		DRC Chairman	<u>John L. Lutz</u>	4-23-04	APPROVED FOR CONSTRUCTION		
		Transportation	<u>John L. Lutz</u>	4/23/04			
		Water/Wastewater	<u>John L. Lutz</u>	4/23/04			
		Hydrology	<u>Brady J. Bynum</u>	3/16/04			
		Parks	<u>John L. Lutz</u>	4-23-04	City Engineer Date		
		Const. Coord.	<u>John L. Lutz</u>	4-23-04			
City Project No.		692682			Sheet 1 of 5		



RECORD DRAWING



1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
2. ALL CURB RETURN RADII SHALL BE 30' UNLESS OTHERWISE SPECIFIED.
3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.
6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
11. REMOVAL OF THE EXISTING CURB & GUTTER SHALL BE AS PER COA STD. DWS. 2415 (SAW CUT ONLY).
12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.

- 1] INSTALL 6" CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
- 2] INSTALL WHEELCHAIR RAMP AS PER STD. DWG. 2441, CASE II WITH ALTERNATE SECTION AA
- 3] STD. CURB & GUTTER AS PER STD. DWG. 2415A
- 4] MEDIAN CURB & GUTTER AS PER STD. DWG. 2415B
- 5] CONTRACTOR SHALL INSTALL REFLECTORIZED YELLOW PAINT ON MEDIAN CURBS FROM PC TO PT AT MEDIAN OPENINGS
- 6] INSTALL 4" MEDIAN PAVEMENT - BOMANITE OR APPROVED EQUAL. PATTERN: ASHLAR SLATE, BASE COLOR: DESERT TAN (B-7), ACCENT COLORS: COBBLESTONE GRAY (B-2), MEXICAN TILE (B-12) & HARVEST AMBER (B-9) *Mix design shall be submitted and approved prior to installation.*


CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

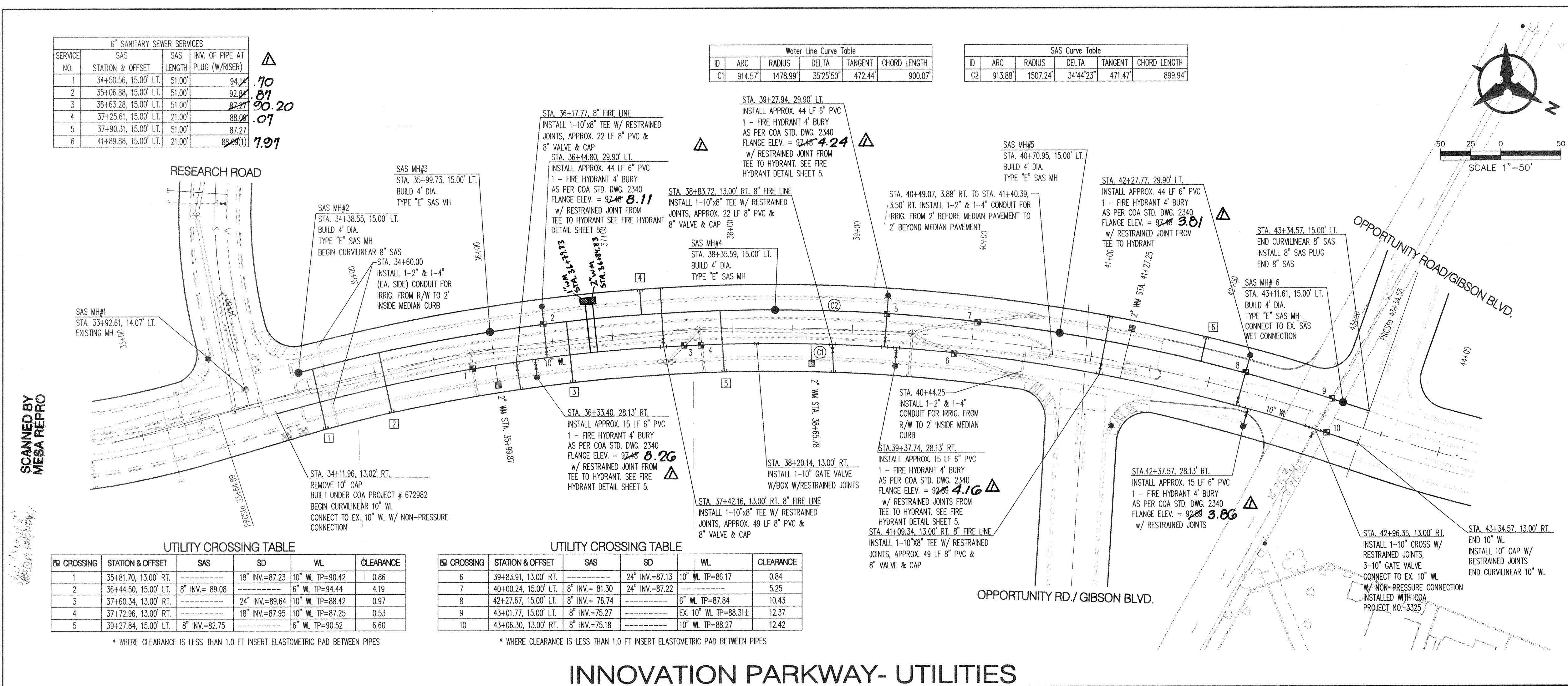
INNOVATION PARKWAY STA. 34+00 TO 44+00		INNOVATION PARKWAY STA. 34+00 TO 44+00	
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
DESIGN REVIEW COMMITTEE APPROVED APR 23 2004 DESIGN REVIEW COMMITTEE DATE	CITY ENGINEER APPROVED APR 19 2004 CITY ENGINEER DATE	Last Design Update	

City Project No.	692682	Zone Map No.	M-21-Z	Sheet	3	Of	
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SURVEY INFORMATION		BENCH MARKS	AS-BUILT INFORMATION	
FIELD NOTES			CONTRACTOR	<i>Universal</i>
NO.	BY DATE		WORK STARTED BY	<i>J.M.A.</i>
		ACS Aluminum Cap stamped "6-121, 1986", Intersection of Central Ave. & Elizabeth St.	DATE	<i>2009</i>
		Geographic Position (NAD 1927), in feet	ACCEPTANCE BY	<i>BHI</i>
		X=417,975.01, Y=1,481,220.09 (Central Zone)	DATE	<i>2008</i>
		N.M. State Plane Coordinates	CHECKED BY	<i>J.M.A.</i>
		Ground-to-Grid Factor = 0.99964527;	DATE	<i>2009</i>
		Elevation = 5500.67' NGVD29, in feet	MICRO-FILM INFORMATION	
		Transformed to INTERM NAVD 88 by CORPSCON V5.11.08	RECORDED BY	
		{Elevation = 5503.35 NAVD88, in feet}		
				<i>Cap Case Inspector: Mike Sheldor</i>

☒	11/04	AS-BUILT & CERTIFY.	C.G.O.					ENGINEER'S SEAL
No.	Date	REVISIONS	By					
		DESIGN						
Designed By: BJS								DATE: 1/04
Drawn By: KJW								DATE: 1/04
Checked By: BJS								DATE: 1/04

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00 TO 44+00	
Mo./Day/Yr.	Mo./Day/Yr.
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3	5



NOTES

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
- ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
- CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
- CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
- ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
- REMOVAL OF THE EXISTING CURB & GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWOUT ONLY).
- WATER SERVICES PER STD. COA DWG. 2363.

RESTRAINING JOINT TABLE:

MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS (EACH WAY) (10")	LENGTH OF RESTRAINED JOINTS (EACH WAY) (6")
45" H. BEND	13'	
90" H. BEND	31'	
GATE VALVE/CAP	86'	55'
10"x6" TEE		53' (BRANCH)
10"x10" TEE	83' (BRANCH)	

WATER SHUT-OFF PLAN:

FOR CONNECTION TO EXISTING 10" WATER LINE IN INNOVATION PARKWAY SHUT OFF VALVE NO. A AND NO. B.

FOR CONNECTION TO EXISTING 10" WATER LINE IN GIBSON SHUT OFF VALVE NO. B31 AND B92.

WATER SHUT-OFF REQUIREMENTS

CONTRACTOR WILL BE RESPONSIBLE FOR THE TIMING AND COORDINATION WITH THOSE AFFECTED BY THE WATER SHUT-OFF.

AT LEAST SEVEN (7) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR IMPLEMENTATION OF THIS WATER SHUTOFF PLAN. CONTRACTOR SHALL NOT OPERATE CITY VALVES.

EXISTING VALVES SHOWN ON THIS PLAN ARE BASED ON CONSTRUCTION PLANS AND AUTOMATED WATER DISTRIBUTION SECTIONAL MAP M-21, AND ARE NOT EXACT LOCATIONS.

Bohannon & Huston

COURTYARD I 7500 Jefferson St. NE Albuquerque, NM 87109-4395

ENGINEERING & SPATIAL DATA & ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING DEVELOPMENT GROUP

SANDIA SCIENCE AND TECHNOLOGY PARK

UTILITY PLAN & PROFILE

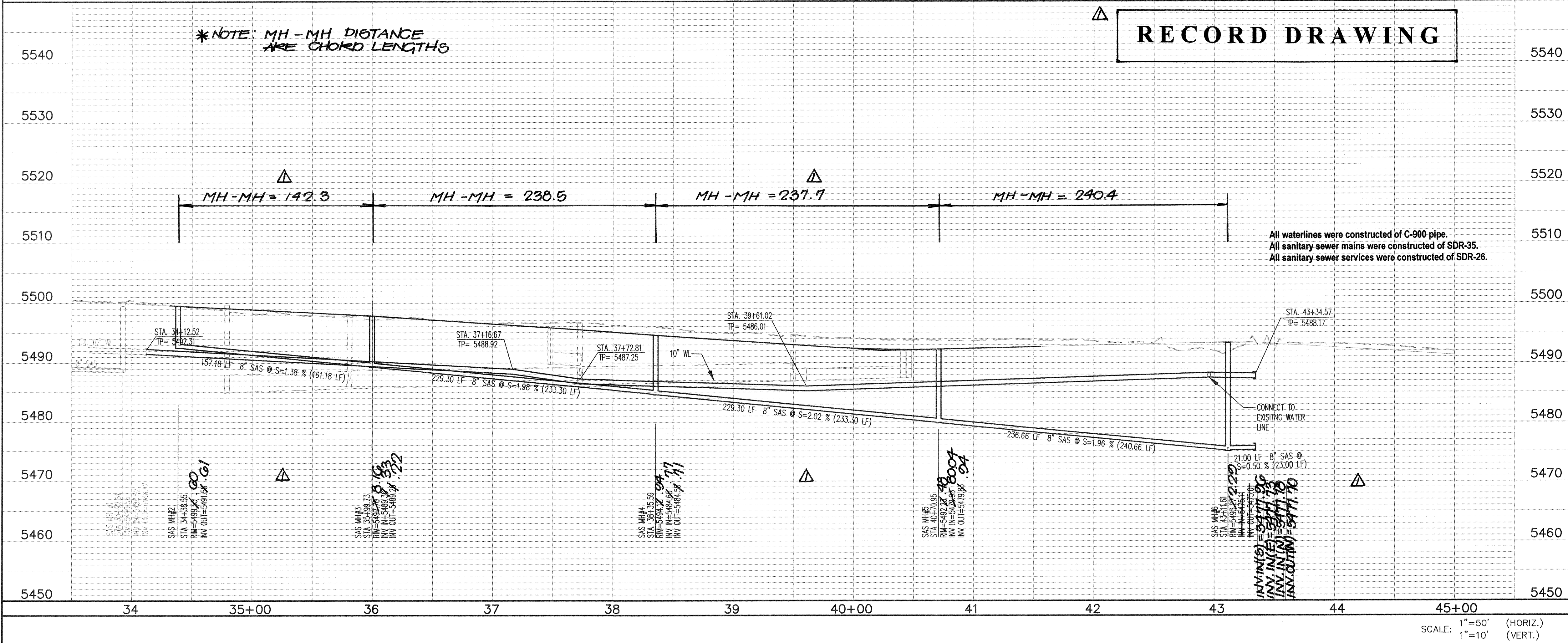
INNOVATION PARKWAY STA. 34+00 TO 44+00

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

APR 23 2004 MAY 19 2004

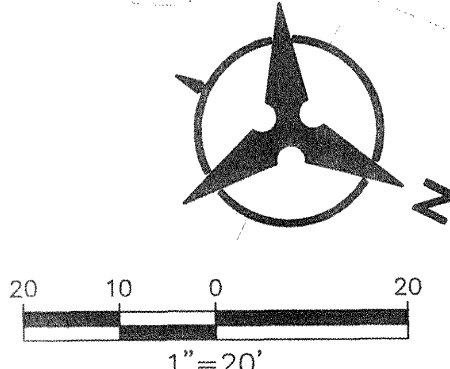
DESIGN REVIEW COMMITTEE CITY ENGINEER

City Project No. 692682 Zone Map No. M-21-Z Sheet 4 Of 5



RECORD DRAWING

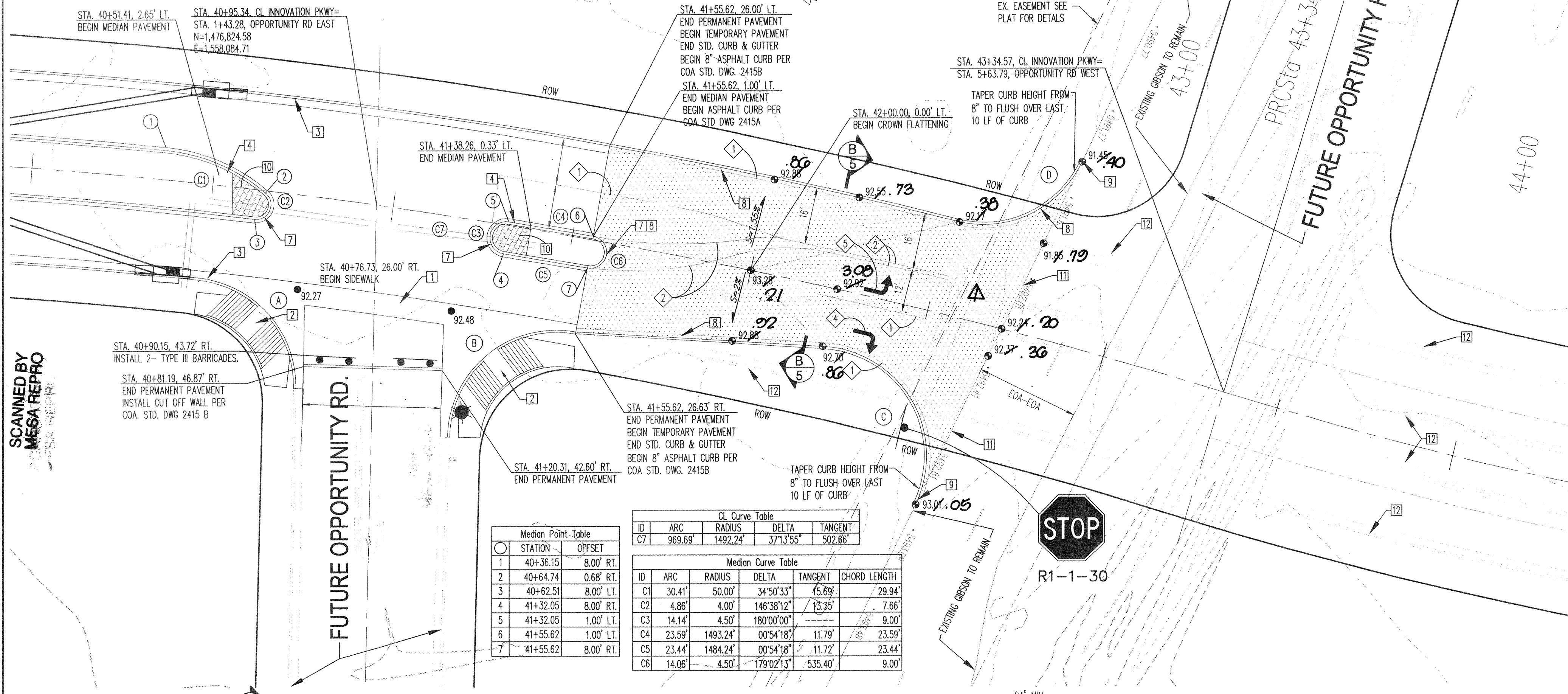
40+00



41+00

42+00

44+00

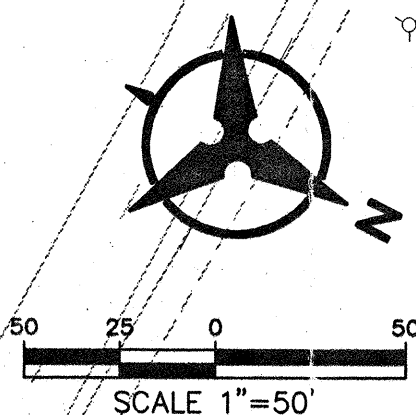


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SCANNED BY
PLANNING

Water Line Curve Table				
ID	ARC	RADIUS	DELTA	CHORD LENGTH
C1	914.57	1478.99	35°25'50"	472.44
C2	913.88	1507.24	34°44'23"	471.47

SAS Curve Table				
ID	ARC	RADIUS	DELTA	CHORD LENGTH
C2	913.88	1507.24	34°44'23"	471.47
C2	913.88	1507.24	34°44'23"	471.47



NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
2. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
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7. REMOVAL OF THE EXISTING CURB & GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWOUT ONLY).
8. WATER SERVICES PER STD. COA DWG. 2363.

RESTRAINING JOINT TABLE:

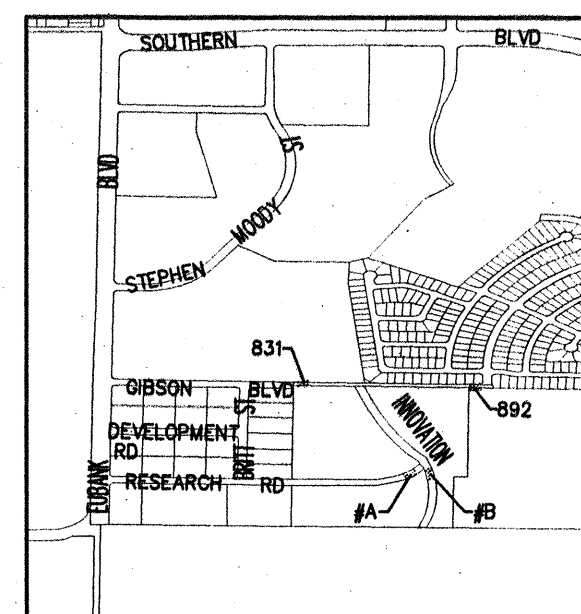
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90° H. BEND	31'	
GATE VALVE/CAP	86'	55'
10"x6" TEE		53' (BRANCH)
10"x10" TEE	83' (BRANCH)	

1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
2. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE POINTS WITHIN 20 LF OF MJ SHALL BE RESTRAINED AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ABOVE. (SEE NOTE 2 ABOVE)
4. THE CONTRACTOR SHALL RESTRAIN 6" LINES FROM THE TEE ON THE MAIN TO THE CAP.

WATER SHUT-OFF PLAN:

FOR CONNECTION TO EXISTING 10" WATER LINE IN INNOVATION PARKWAY SHUT OFF VALVE NO. A AND NO. B. EXISTING VALVES SHOWN ON THIS PLAN ARE BASED ON CONSTRUCTION PLANS AND AUTOMATED WATER DISTRIBUTION SECTIONAL MAP M-21, AND ARE NOT EXACT LOCATIONS.

FOR CONNECTION TO EXISTING 10" WATER LINE IN GIBSON SHUT OFF VALVE NO. 831 AND 892. EXISTING VALVE SHOWN ON THIS PLAN ARE BASED ON AUTOMATED WATER DISTRIBUTION SECTIONAL MAP M-21, AND ARE NOT EXACT LOCATION.



WATER SHUT-OFF REQUIREMENTS

CONTRACTOR WILL BE RESPONSIBLE FOR THE TIMING AND COORDINATION WITH THOSE AFFECTED BY THE WATER SHUT-OFF.

AT LEAST SEVEN (7) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT FWM/WATER SYSTEMS DIVISION (857-8200) TO INITIATE IMPLEMENTATION OF THIS WATER SHUTOFF PLAN. CONTRACTOR SHALL NOT OPERATE CITY VALVES.

Bohannon & Huston

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SANDIA SCIENCE AND TECHNOLOGY PARK

UTILITY PLAN & PROFILE

INNOVATION PARKWAY STA. 34+00 TO 44+00

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

City Project No.	Zone Map No.	Sheet	Of
692682	M-21-Z	4	5

BHI JOB NO. 040280

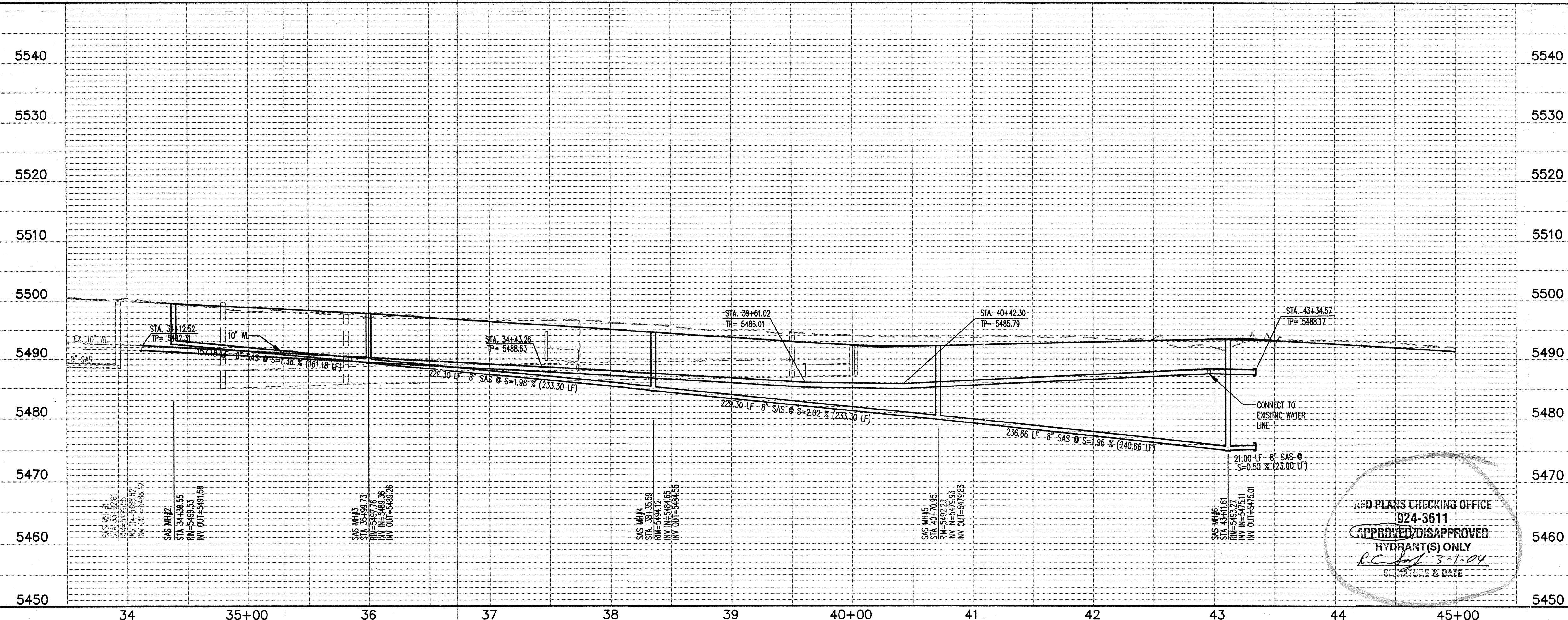
Date: JANUARY 2004

INNOVATION PARKWAY- UTILITIES

CROSSING	STATION & OFFSET	SAS	SD	WL	CLEARANCE
1	37+60.34, 13.00' RT.	24" INV=89.63	10" WL TP=88.62		0.51
2	39+78.03, 13.00' RT.	24" INV=87.09	10" WL TP=85.96		0.63
3	39+85.14, 15.00' LT.	8" INV= 81.53	24" INV=85.96		3.76
4	43+06.30, 13.00' RT.	8" INV=75.01	10" WL TP=88.25		11.57
5	43+01.98, 15.00' LT.	8" INV=75.01	10" WL TP=88.31		11.63

* WHERE CLEARANCE IS LESS THAN 1.0 FT INSERT ELASTOMETRIC PAD BETWEEN PIPES

6" SANITARY SEWER SERVICES			
SERVICE NO.	SAS STATION & OFFSET	SAS INV. OF PIPE AT LENGTH PLUG (W/RISE)	
1	34+50.56, 15.00' LT.	51.00'	94.14
2	35+06.88, 15.00' LT.	51.00'	92.84
3	36+63.28, 15.00' LT.	51.00'	87.27
4	37+25.61, 15.00' LT.	21.00'	88.09
5	37+90.31, 15.00' LT.	51.00'	87.27
6	41+89.88, 15.00' LT.	21.00'	88.09



AFD PLANS CHECKING OFFICE
924-3611
APPROVED/DISAPPROVED
HYDRANT(S) ONLY
RC-1 3-1-04
SIGNATURE & DATE