Albuquerque Bernalillo County Water Utility Authority

CONSTRUCTION PLANS
FOR

SMALL DIAMETER WATER AND SEWER REHABILITATION FY11

PROJECT NO. 6312.92

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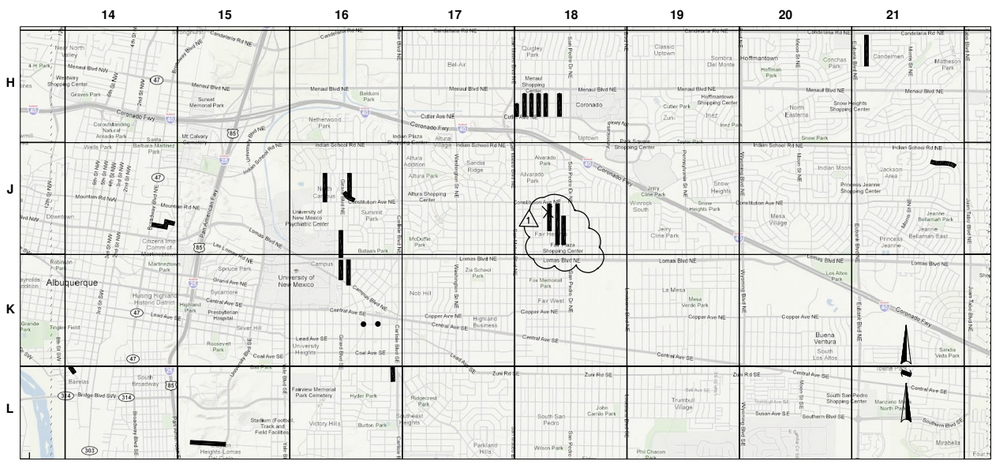

PROJECT LOCATION MAP

ZONE ATLAS
H-18, H-21, J-14, J-16, J-18, J-21, K-14, K-16, L-14, L-15
SEE SHEET 3 FOR DETAILED LOCATIONS

PROJECT LOCATION

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REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
1	SEE ABOVE		8/13/10				

ENGINEERS STAMP & SIGNATURE

REBECCA C. FINK
NEW MEXICO
14232
REGISTERED PROFESSIONAL ENGINEER

APPROVED	ENGINEER	DATE
DRC Chairman		
ABCWUA		
Transportation		
Hydrology		
C I P		
Constr. Coord.		
Parks		

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
PROJECT NUMBER **6312.92**

SHEET 1 OF 48

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GENERAL NOTES

GENERAL NOTES

1. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL, INC., 811, FOR LOCATION OF EXISTING UTILITIES. CONTRACTOR SHALL ALSO CALL CITY OF ALBUQUERQUE (COA) TRAFFIC ENGINEERING (857–8000) FOR LOCATIONS OF TRAFFIC INTERCONNECT WIRING AND OTHER TRAFFIC SIGNAL EQUIPMENT.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR, BE CONSTRUCTED IN ACCORDANCE WITH COA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (CURRENT EDITION) – REFERENCED TO HEREIN AS "STANDARD SPECIFICATIONS".
3. QUANTITIES SHOWN FOR UNIT PRICE BID ITEMS ARE FOR BID COMPARISON ONLY. ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY (ABCWUA) SHALL BASE PAYMENTS TO CONTRACTOR FOR ALL UNIT PRICE BID ITEMS ON ACTUAL QUANTITIES, DETERMINED AS PROVIDED IN CONTRACT DOCUMENTS.
4. DURING PROGRESS OF WORK, CONTRACTOR SHALL KEEP CONSTRUCTION SITE AND OTHER AREAS FREE FROM ACCUMULATIONS OF WASTE MATERIALS, RUBBISH, AND OTHER DEBRIS. REMOVAL AND DISPOSAL OF SUCH WASTE MATERIALS, RUBBISH, AND OTHER DEBRIS SHALL CONFORM TO APPLICABLE LAWS AND REGULATIONS – INCIDENTAL TO CONTRACT.
5. CONTRACTOR SHALL NOT STORE OR PARK EQUIPMENT IN FRONT OF PRIVATE RESIDENCES OVERNIGHT.
6. CONTRACTOR SHALL MAINTAIN A GRAFFITI–FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ALL GRAFFITI FROM EQUIPMENT (PERMANENT AND TEMPORARY).
7. CONTRACTOR IS SOLELY RESPONSIBLE FOR JOBSITE SAFETY, AND FOR KNOWLEDGE AND COMPLIANCE WITH APPLICABLE OSHA STANDARDS – INCIDENTAL TO CONTRACT.
8. CONTRACTOR SHALL MAINTAIN ALL TRENCHES IN SAFE CONDITION PROTECTING WORKERS AND PUBLIC. TRENCH PROTECTION SHALL BE IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P. CONTRACTOR SHALL SLOPE, BRACE, OR SHORE EXCAVATIONS AS REQUIRED BY OSHA REGULATIONS.
9. CONTRACTOR SHALL BACKFILL OR PROPERLY FENCE ALL OPEN EXCAVATIONS AT END OF EACH WORKDAY. CONTRACTOR SHALL BACKFILL ALL OPEN EXCAVATIONS WHEN CONTRACTOR WILL NOT BE WORKING AT ON–SITE THE FOLLOWING DAY.
10. CONTRACTOR SHALL PROVIDE AND MAINTAIN CONSTRUCTION SIGNING UNTIL ABCWUA AND COA HAVE ACCEPTED THE PROJECT.
11. NINE (9) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL SUBMIT TO COA CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM COA CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY COA CONSTRUCTION SERVICES (924–3400) PRIOR TO OCCUPYING AN INTERSECTION.
12. COA NOISE CONTROL ORDINANCE FORBIDS LOUD CONSTRUCTION NOISE BETWEEN THE HOURS OF 10:00 PM AND 7:00 AM.
13. CONTRACTOR SHALL NOT LOCATE PUMPS OR COMPRESSORS REQUIRED TO RUN FOR THE DURATION OF THE WORK ADJACENT TO RESIDENTIAL PROPERTY; IF UNAVOIDABLE, CONTRACTOR SHALL EMPLOY NOISE ABATEMENT SOLUTIONS.
14. CONTRACTOR SHALL NOTIFY COA GEODETIC SURVEY (768–3609) NOT LESS THAN THREE (3) WORKING DAYS PRIOR TO STARTING WORK THAT WILL AFFECT ANY EXISTING GEODETIC SURVEY MONUMENT. COA GEODETIC SURVEY SHALL REPLACE, AT CONTRACTOR'S EXPENSE, ANY ACS MONUMENT DAMAGED OR DESTROYED DUE TO FAILURE OF CONTRACTOR TO NOTIFY AS STATED ABOVE.
15. CONTRACTOR SHALL NOTIFY ENGINEER NO LESS THAN SEVEN (7) CALENDAR DAYS PRIOR TO STARTING WORK IN ORDER THAT THE COA GEODETIC SURVEY MAY TAKE NECESSARY MEASURES TO ENSURE PRESERVATION OF ALL OTHER PERMANENT SURVEY MONUMENTS (NON–ACS). CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT CONSENT OF THE ENGINEER. CONTRACTOR SHALL BEAR EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. ONLY THE COA GEODETIC SURVEY SHALL DO REPLACEMENT. WHEN A CHANGE IS MADE IN FINISHED ELEVATION OF PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT CONTRACTOR EXPENSE, ADJUST MONUMENT COVER TO NEW GRADE UNLESS OTHERWISE SPECIFIED.
16. LOCATION OF EXISTING UNDERGROUND UTILITIES HAS BEEN DETERMINED BY INFORMATION PROVIDED BY OTHERS, AND SHALL BE CONSIDERED APPROXIMATE ONLY. CONTRACTOR SHALL DETERMINE EXACT LOCATION AND SIZE OF ALL EXISTING UTILITY LINES PRIOR TO CONSTRUCTION AND SHALL BE RESPONSIBLE FOR ALL DAMAGES RESULTING FROM FAILURE TO LOCATE UTILITIES.
17. CONTRACTOR SHALL SUPPORT AND MAINTAIN OPERATIONAL ALL UTILITIES EXPOSED DURING TRENCHING AND OTHER CONSTRUCTION OPERATIONS. ALL CONSTRUCTION ACTIVITIES INVOLVING GAS, POWER, WATER, FIBER OPTIC, TRAFFIC SIGNAL EQUIPMENT, OR OTHER UTILITY LINES SHALL BE COORDINATED WITH UTILITY OWNER PRIOR TO ANY DISTURBANCE. CONTRACTOR SHALL NOTIFYING ALL AFFECTED PARTIES 48 HOURS IN ADVANCE OF CONSTRUCTION ACTIVITY DISRUPTING ANY UTILITY SERVICE.
18. PLANS SHOW APPROXIMATE LOCATIONS OF PIPES AND OTHER UTILITIES. CONTRACTOR SHALL ADJUST ELEVATION OF NEW WATERLINE DURING CONSTRUCTION TO AVOID UTILITIES. CONTRACTOR SHALL MARK EXACT LOCATION OF ENCOUNTERED UTILITIES AND NEW WATERLINE ON AS–BUILT DRAWINGS.

WATER

19. CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER VALVE SHUTOFFS. AT LEAST SEVEN (7) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL CONTACT ABCWUA FIELD OPERATIONS WATER DIVISION (857–8200) TO INITIATE IMPLEMENTATION OF NON–PRESSURIZED CONNECTION PLAN.
20. CONTRACTOR SHALL NOTIFY ABCWUA FIELD OPERATIONS WATER DIVISION (857–8200) AND COA FIRE DEPARTMENT (764–6300) AT LEAST SEVEN (7) WORKING DAYS IN ADVANCE OF ANY FIRE HYDRANT TAKEN OUT OF AND RETURNED TO SERVICE – REFER TO STANDARD SPECIFICATION SECTION.
21. CONTRACTOR SHALL FIELD VERIFY ALL WATERLINE CONNECTIONS TO EXISTING FACILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION TO ALLOW OBTAINING CORRECT ADAPTERS AND OTHER FITTINGS.
22. CONTRACTOR SHALL SALVAGE MATERIAL IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 801.15 (CONTACT MARK ARCHIBEQUE AT 857–8289).
23. CONTRACTOR SHALL INSTALL NEW WATERLINES WITH A MINIMUM OF THREE (3) FEET OF COVER OVER WATER LINE REGARDLESS OF ALIGNMENT IN STREET.
24. CONTRACTOR SHALL PLACE ELECTRONIC MARKER DEVICES (EMD) ACCORDING TO STANDARD SPECIFICATION SECTION 170 – INCIDENTAL TO CONTRACT.
25. CONTRACTOR SHALL PROVIDE TEMPORARY WATER SERVICE FOR ANY RESIDENCE, SCHOOL, OR BUSINESS THAT WILL BE OUT OF SERVICE MORE THAN FOUR (4) HOURS. SHOEFLY WATERLINE BYPASS IS AN OPTION FOR TEMPORARY SERVICE – INCIDENTAL TO CONSTRUCTION.
26. CONTRACTOR SHALL CONSTRUCT ALL NON–PRESSURIZED WATERLINE CONNECTIONS PER STANDARD DRAWING 2301.
27. CONTRACTOR SHALL FURNISH AND INSTALL MECHANICAL RESTRAINING DEVICES ON NEW WATERLINE FITTINGS, VALVES, AND PIPE JOINTS PER RESTRAINED JOINT DETAIL SHEET.

WATER SERVICE

28. CONTRACTOR SHALL REPLACE ALL WATER SERVICE LINES FROM NEW WATERLINE MAIN TO METER WITH NEW SERVICE LINES (SAME SIZE AS EXISTING METER).
29. CONTRACTOR SHALL INSTALL SERVICE LINES USING TRENCHLESS TECHNOLOGY SUCH AS GRICE SYSTEM, HOLE–HOG SYSTEM, OR EQUIVALENT.

SEWER

30. UNDER NO CIRCUMSTANCE SHALL SEWAGE OR SOLIDS REMOVED FROM MANHOLES BE DISCHARGED ONTO STREETS OR INTO DITCHES, CATCH BASINS, STORM DRAINS, OR SANITARY SEWER MANHOLES, CLEANOUTS, OR DUMPS.
31. IF SEWAGE SPILS ONTO PUBLIC OR PRIVATE PROPERTY, THE CONTRACTOR SHALL WASH DOWN, CLEAN UP, AND DISINFECT THE SPILLAGE AT ITS OWN EXPENSE TO THE SATISFACTION OF THE PROPERTY OWNER. WITHIN 12 HOURS OF THE INCIDENT, THE CONTRACTOR SHALL REPORT THE INCIDENT TO THE COLLECTION SECTION MANAGER (873–7013). CLEANUP OF SEWAGE SPILLS AND NOTIFICATION SHALL BE INCIDENTAL TO THE INSPECTION ITEM.

PAVEMENT/DRAINAGE/CITY

32. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING VALVE BOXES, MANHOLES, SEWER SERVICES, PAVEMENTS, PAVEMENT MARKINGS, CURB AND GUTTER, DRIVE PADS, WHEEL CHAIR RAMPS, AND SIDEWALKS DURING CONSTRUCTION, APART FROM SECTIONS INDICATED ON PLANS AND SHALL REPAIR OR REPLACE PER COA AND ABCWUA STANDARDS AT CONTRACTOR'S EXPENSE.
33. CONTRACTOR SHALL REMOVE AND REPLACE 8–FOOT WIDTH OF PAVEMENT IN STREETS WITH WATERLINE REPLACEMENT. ABCWUA WILL NOT PAY FOR MORE THAN 8–FOOT WIDTH, UNLESS PLANS NOTE OTHERWISE.
34. ANY PAVEMENT, OR CURB AND GUTTER REMOVAL AND REPLACEMENT ASSOCIATED WITH REPLACEMENT OF WATER SERVICE LINES IS INCIDENTAL TO THE SERVICE LINE REPLACEMENT.
35. CONTRACTOR SHALL ADJUST ALL WATER VALVE BOXES AND SEWER MANHOLES WITHIN NEW PAVEMENT TO FINISH GRADE PER COA AND ABCWUA STANDARDS.
36. CONTRACTOR SHALL RESTORE STREET CENTERLINE GRADES TO EXISTING CENTERLINE GRADES UNLESS OTHERWISE DIRECTED BY ENGINEER. CONTRACTOR SHALL MAKE SMOOTH TRANSITIONS BETWEEN EXISTING PAVEMENT REMAINING IN PLACE AND NEW PAVEMENT.
37. CONTRACTOR SHALL REPLACE ALL STREET STRIPING AND MARKINGS ALTERED OR DESTROYED WITH RETRO–REFLECTIVE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS BY CONTRACTOR TO SAME LOCATION AS EXISTING OR AS INDICATED ON PLANS.
38. CONTRACTOR SHALL REPLACE ASPHALT PAVEMENT IN ACCORDANCE WITH COA STANDARD SPECIFICATIONS AND STANDARD DRAWING 2465 BASED ON THE FOLLOWING STREET DESIGNATIONS. ALLEYS WITHIN PROJECT AREA (PAVED OR UNPAVED) ARE DESIGNATED RESIDENTIAL ALLEYS. QUANTITIES SHOWN ON PLANS ARE APPROXIMATE BASED ON PAVEMENT THICKNESS ASSUMPTIONS.

    RESIDENTIAL: ALVARADO DR NE, ASPEN AV NE, BARELAS RD SW, BELLAMAH AV NE, BURTON AV NE, CAGUA DR NE, CAMPUS BLVD NE, CARDENAS DR NE, CAROL ST NE, CEDAR ST NE, CLAREMONT AV NE, CUTLER AV NE, DARTMOUTH DR NE, EDITH BLVD NE, FRANCISCAN ST NE, FRONTIER AV NE, GARFIELD AV NE, HAINES AV NE, HANNETT AV NE, KIMO DR NE, LEWIS AV SW, LOBO PL NE, MARBLE AV NE, MARTHA ST NE, MAXINE ST NE, MOUNTAIN RD NE, MURIEL ST NE, OAK ST NE, PRINCESS JEANNE AV NE, PROSPECT AV NE, REVERE PL NE, RICHMOND PL NE, ROMA AV NE, SHIRLEY ST NE, SILVER AV NE, SUMMER AV NE, SUNSHINE TERRACE AV NE, TOMASITA ST NE, VALENCIA DR NE, WILSON PL NE

    MAJOR LOCAL: NONE

    ARTERIAL: BROADWAY BLVD NE, CANDELARIA RD NE, CONSTITUTION AV NE, GIRARD BLVD NE LOMAS BLVD NE, SAN PEDRO DR NE, UNIVERSITY BLVD NE

39. CONTRACTOR SHALL CONSTRUCT ALL CURB AND GUTTER IN ACCORDANCE WITH COA STANDARD DRAWINGS 2415A AND 2415B. ALL CURB AND GUTTER ON THESE PLANS ARE STANDARD TYPE UNLESS OTHERWISE NOTED.
40. CONTRACTOR SHALL CONSTRUCT ALL SIDEWALKS IN ACCORDANCE WITH COA STANDARD DRAWINGS 2430, 2431, AND 2432.
41. CONTRACTOR SHALL CONSTRUCT ALL WHEELCHAIR RAMPS SHALL IN ACCORDANCE WITH COA STANDARD DRAWINGS 2440 AND 2441.
42. CONTRACTOR SHALL CONSTRUCT ALL CONCRETE VALLEY GUTTERS IN ACCORDANCE WITH COA STANDARD DRAWING 2420.
43. CONTRACTOR SHALL CONSTRUCT ALL DRIVE PADS IN ACCORDANCE WITH COA STANDARD DRAWING 2425.
44. IF CONTRACTOR CREATES A PAVEMENT DROP–OFF DURING CONSTRUCTION, CONTRACTOR SHALL MODIFY PAVEMENT TO PREVENT ABRUPT PAVEMENT CHANGES – INCIDENTAL TO CONSTRUCTION.
45. CONTRACTOR MUST MAINTAIN EXISTING STORM DRAINAGE SYSTEMS FOR DURATION OF PROJECT. CONTRACTOR SHALL ENSURE STORM WATER DURING CONSTRUCTION DOES NOT AFFECT PRIVATE PROPERTY AND THAT STORM WATER IS NOT DIRECTED ONTO PRIVATE PROPERTY.
46. IF DURING CONTRACTION, CONTRACTOR UNCOVERS DEBILITATED STORM DRAIN COMPONENTS THAT REQUIRE REPLACEMENT OR RELOCATION, CONTRACTOR SHALL COORDINATE REPAIR WORK WITH COA DEPARTMENT OF MUNICIPAL DEVELOPMENT (ROLAND PENTTILA AT 768–2778).

ABBREVIATIONS

CCYL	CONCRETE CYLINDER
CI	CAST IRON
CP	CONCRETE PIPE
FG	FIBER GLASS
LWS	LINER WRAPPED STEEL
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
STL	STEEL
VCP	VITRIFIED CLAY PIPE
#5PCAP	NO. 5 REBAR WITH PLASTIC CAP

LEGEND

PROPOSED	EXISTING	DESCRIPTION
NA	— — —	CONSTRUCTION CENTERLINE
NA	— —4945— —	EXISTING CONTOUR
NA		CURB & GUTTER
		CONCRETE
NA		BUILDING LINE
NA	— — —	EASEMENT LINE
		CHAIN–LINK FENCE
NA	— —UGC— —	CABLE TV
NA	— —UGP— —	TELEPHONE
NA	— —UGFO— —	FIBER OPTIC
NA	— —UGE— —	ELECTRIC
NA	—G— GV —G—	GAS LINE W/ VALVE
NA	— —SD — —	STORM DRAIN
	— SAS —	SANITARY SEWER LINE
	—W— GV —W—	WATERLINE W/ VALVE
NA	D	STORM DRAIN MANHOLE
S	S	SEWER MANHOLE
W	W	WATERLINE METER
		FIRE HYDRANT
NA		UTILITY POLE
NA		POT HOLE LOCATION W/ NO.
NA		BENCH MARK
NA		CONTROL POINT
		BEND
		TEE
		CROSS
NA		CAP OR PLUG
NA		REDUCER
		CONCRETE DRIVE

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AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO–FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL
REBECCA C. FINK — NEW MEXICO — 14232 — REGISTERED PROFESSIONAL ENGINEER

RCF

NO.	DATE	REMARKS	BY
A	8/13/10	ADDENDUM	RCF

REVISIONS

DESIGNED BY	RCF	DATE Jul 2010
DRAWN BY	MAC/VLH	DATE Jul 2010
CHECKED BY	FAC	DATE Jun 2010

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
SMALL DIAMETER WATER & SEWER
REHABILITATION FY11

TITLE:
GENERAL NOTES & LEGEND

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

City Project No. 6312.92 | Zone Map No. | Sheet 2 Of 48

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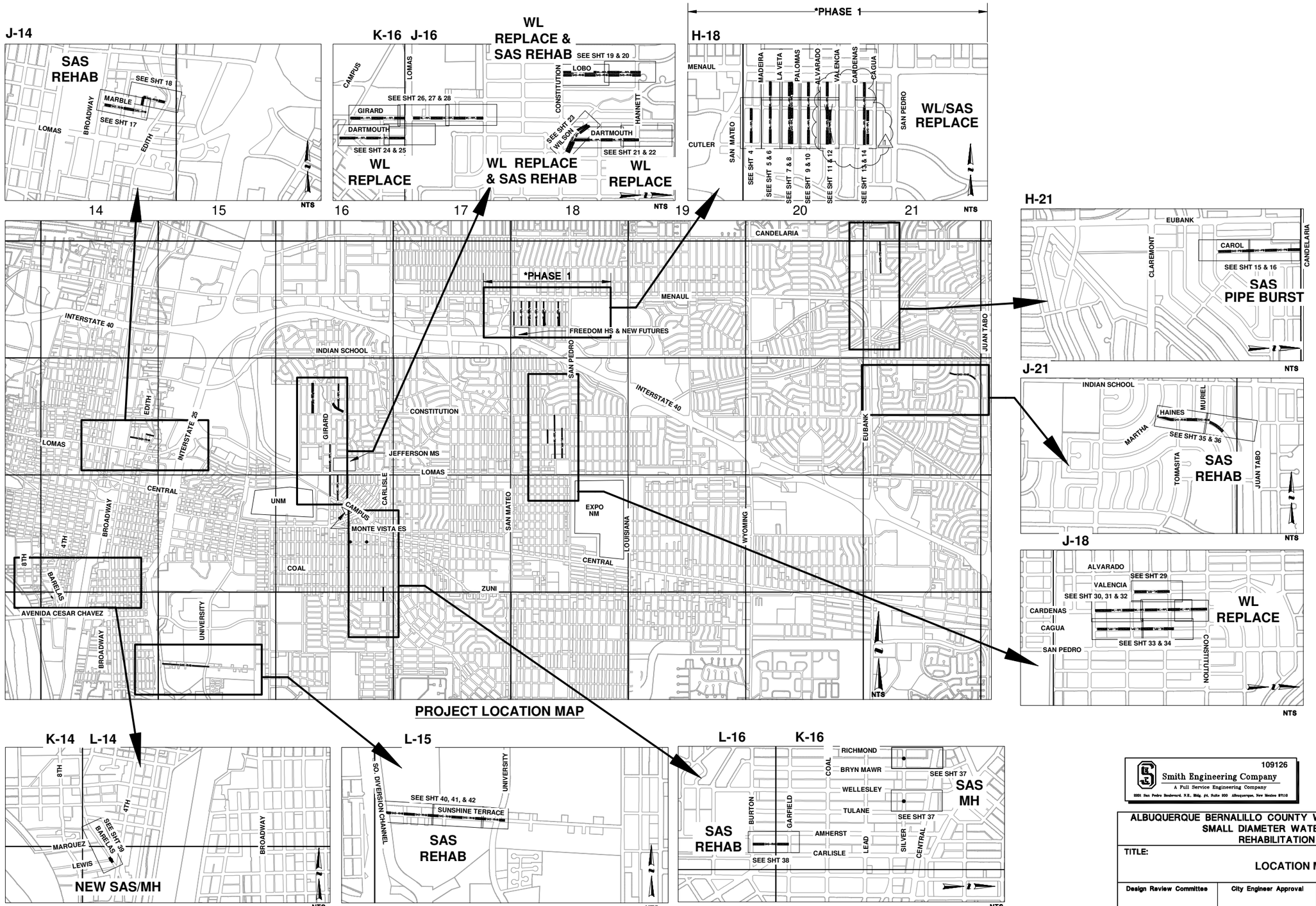

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AS BUILT INFORMATION	
CONTRACTOR	
WORK STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE

ENGINEERS SEAL

REBECCA C. FINK
NEW MEXICO
14232
REGISTERED PROFESSIONAL ENGINEER

RCF

NO.	DATE	REMARKS	BY
1	8/13/10	ADDENDUM	RCF

REVISIONS

DESIGN		
DESIGNED BY	RCF	DATE Jul 2010
DRAWN BY	MAC/VLH	DATE Jul 2010
CHECKED BY	FAC	DATE Jun 2010

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
SMALL DIAMETER WATER & SEWER
REHABILITATION FY11

TITLE:

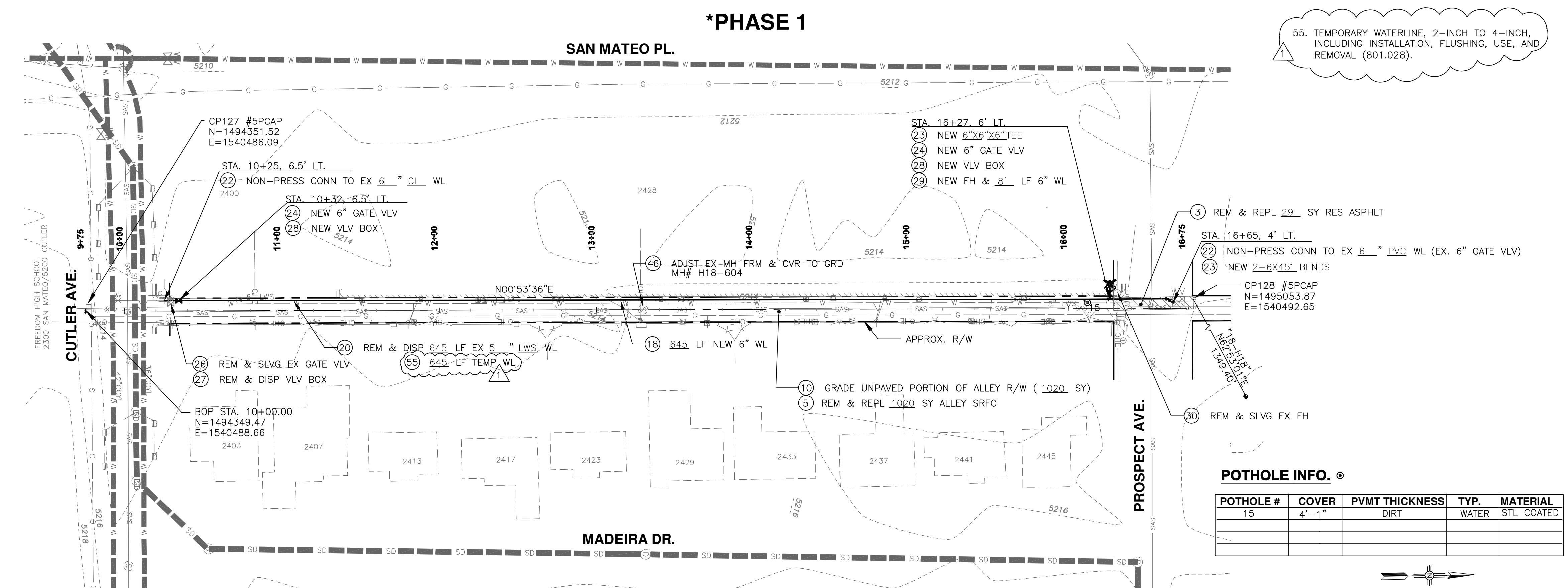
LOCATION MAP

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

City Project No.	Zone Map No.	Sheet	Of
6312.92		3	48

Q:\SEC---PROJECTS\2009 PROJECTS\109126 ABCWUA - SMALL DIAMETER\DRAWINGS(1)\AUTOCAD\PLANSET\3 LOCATION MAP.DWG 7/29/10 2:39:44 PM

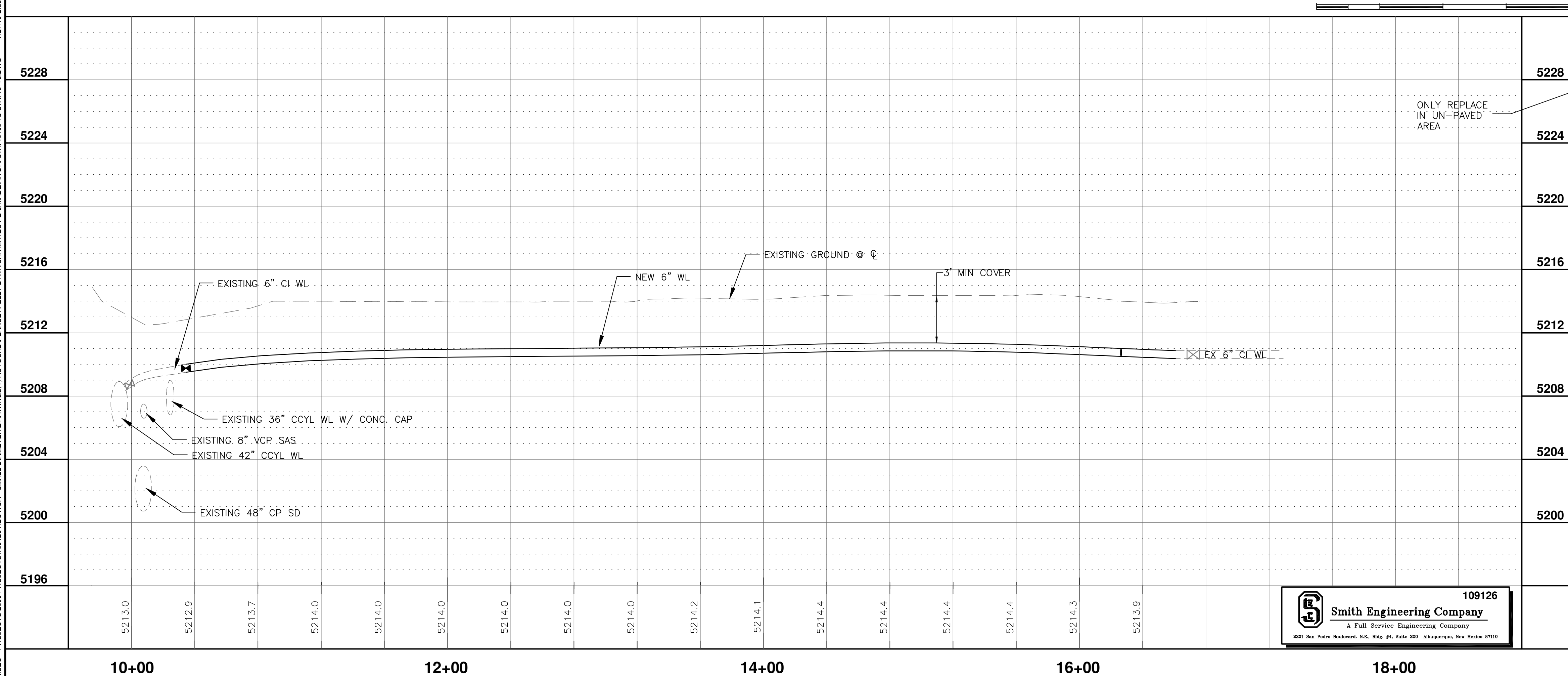
*PHASE 1



POTHOLE INFO.

POTHOLE #	COVER	PVMT THICKNESS	TYP.	MATERIAL
15	4'-1"	DIRT	WATER	STL COATED

ALLEY BTWN SAN MATEO PL. & MADEIRA DR. STA. 10+00 TO STA. 16+75



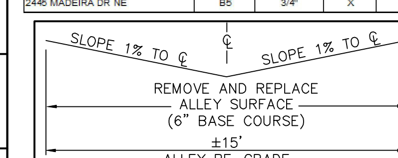
BUILD NOTES:

3. REMOVE & REPLACE RESIDENTIAL ASPHALT CONCRETE MATERIAL PER STANDARD DRAWING 2465.
5. REMOVE & REPLACE ALLEY SURFACE WITH 6-INCH BASE COURSE MATERIAL PER STANDARD DRAWING 2465.
10. GRADE AREA, WITH LESS THAN 2-FEET EXCAVATION PER DETAIL THIS SHEET AND STANDARD SPECIFICATION SECTION 301.
18. FURNISH & INSTALL 6-INCH WATERLINE PIPE INCLUDING TRENCH & COMPACTED BACKFILL (801.002).
20. REMOVE & DISPOSE EXISTING WATERLINE WITH FITTINGS (801.055).
22. NON-PRESSURIZED CONNECTION TO EXISTING WATERLINE (801.059). *PROPOSED CONNECTION CONFIGURATION IS FOR ESTIMATING PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY EXISTING PIPE CONFIGURATION, SIZE, TYPE, AND OTHER FIELD CONDITIONS IN ADVANCE OF CONSTRUCTION TO ESTABLISH CORRECT ADAPTERS AND FITTINGS. CONTRACTOR SHALL SHOW FINAL CONNECTION CONFIGURATION ON THE AS-BUILT DRAWINGS.*
23. FURNISH & INSTALL DUCTILE IRON MECHANICAL JOINT FITTINGS, CLASS 250 (801.002).
24. FURNISH & INSTALL 6-INCH GATE VALVE PER STANDARD DRAWING 2326 (801.081).
26. REMOVE & SALVAGE EXISTING GATE VALVE (801.102).
27. REMOVE & DISPOSE VALVE BOX (801.104).
28. FURNISH & INSTALL VALVE BOX PER STANDARD DRAWING 2326 (801.105).
29. FURNISH & INSTALL FIRE HYDRANT PER STANDARD DRAWING 2340 (801.113).
30. REMOVE & SALVAGE EXISTING FIRE HYDRANT (801.119).
46. ADJUST EXISTING MANHOLE FRAME & COVER TO GRADE WITH METAL RINGS, 2-INCH OR LESS, PER STANDARD DRAWING 2111 (920.400).

WATER SERVICE LINE SCHEDULE

1. REPLACE AND TRANSFER ALL WATER SERVICE LINE(S) PER STANDARD DRAWING 2362.
2. RELOCATE EXISTING WATER METER(S) PER SCHEDULE BELOW AND PER STANDARD DRAWING 2362. *(EX. BOXES BEHIND WALL SHOULD BE RELOCATED TO ALLEY R/W)*
3. REHABILITATE WATER METER BOX(ES) PER SCHEDULE BELOW.
4. *ADJUST ALL METER BOXES TO NEW GRADE (INCIDENTAL TO METER RELOCATE AND REPLACEMENT.*

ADDRESS	LOCATION	SERVICE SIZE	REHAB	RELOCATE
2300 SAN MATEO PL NE	L5	3"		
2400 SAN MATEO PL NE	B2	3/4"	X	
2403 MADEIRA DR NE	B2	3/4"	X	
2404 SAN MATEO PL NE	B1	3/4"	X	X
2407 MADEIRA DR NE	B5	3/4"	X	
2410 SAN MATEO PL NE		3/4"	X	X
2412 SAN MATEO PL NE	B4	3/4"	X	X
2413 MADEIRA DR NE	B5	3/4"	X	X
2414 SAN MATEO BLVD NE	B5	3/4"	X	X
2417 MADEIRA DR NE	B5	3/4"	X	
2423 MADEIRA DR NE	B6	3/4"	X	
2424 SAN MATEO PL NE	B6	1"	X	X
2428 SAN MATEO PL NE	B7	3/4"	X	X
2429 MADEIRA DR NE	B5	3/4"	X	
2433 MADEIRA DR NE	B7	3/4"	X	X
2436 SAN MATEO PL NE	B8	1"	X	X
2437 MADEIRA DR NE	B5	3/4"	X	
2441 MADEIRA DR NE	B5	3/4"	X	
2445 MADEIRA DR NE	B5	3/4"	X	X



GRADING DETAIL
NTS

AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE

MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS
COA CONTROL MONUMENT "18-H18"
N=1495167.654
E=1541177.063
ELEV=5232.741 NAVD 1988
NAD 1983 NEW MEXICO
STATE PLANE COORDINATES GROUND TO GRID
FACTOR= 0.999664864

SURVEY INFORMATION
FIELD NOTES | NO. | BY | DATE

ENGINEERS SEAL
REBECCA C. FINK
NEW MEXICO
14232
REGISTERED PROFESSIONAL ENGINEER

REVISIONS

NO.	DATE	REMARKS	BY
1	8/13/10	ADDENDUM 1	RCF

DESIGN
DESIGNED BY RCF | DATE Jul 2010
DRAWN BY MAC/VLH | DATE Jul 2010
CHECKED BY FAC | DATE Jun 2010

*PHASE 1

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
SMALL DIAMETER WATER & SEWER REHABILITATION FY11

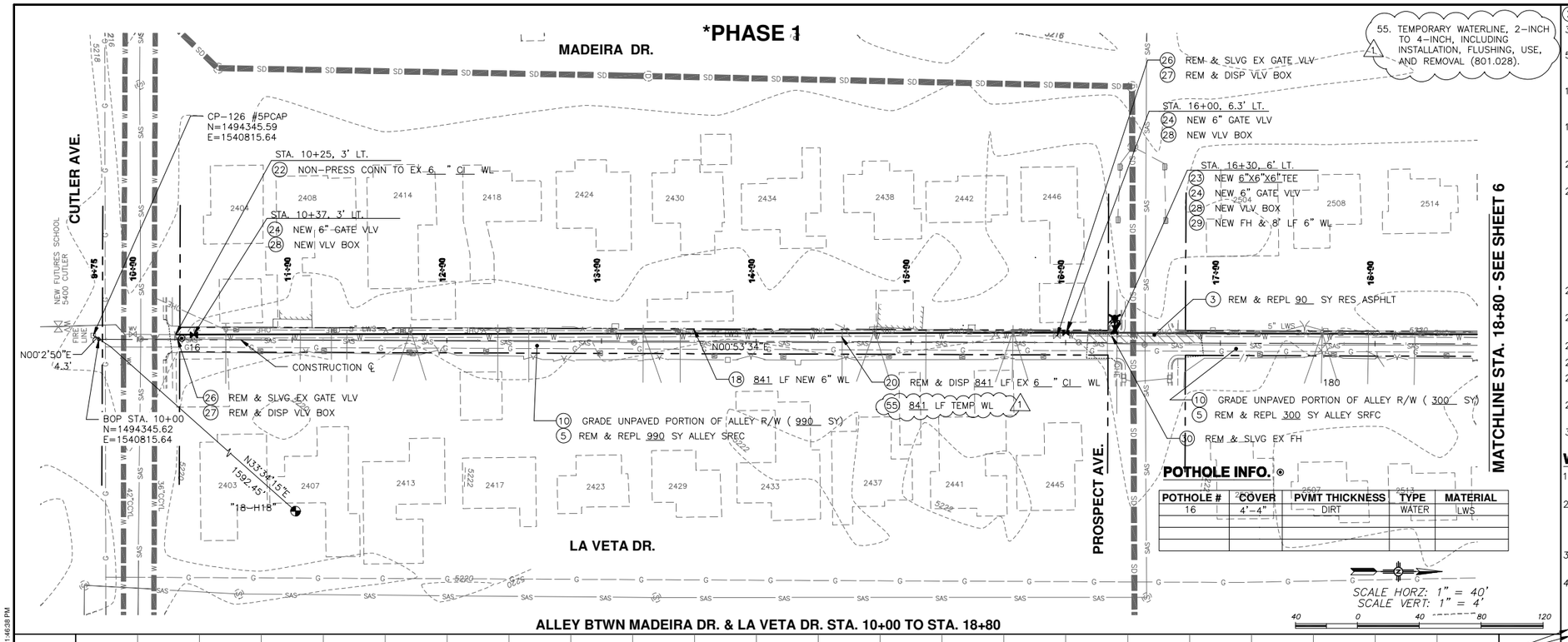
TITLE: **ALLEY BTWN SAN MATEO PL. & MADEIRA DR. STA. 10+00 TO STA. 16+75 FROM CUTLER TO PROSPECT**

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

109126
Smith Engineering Company
A Full Service Engineering Company
2201 San Pedro Boulevard, N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

City Project No.	Zone Map No.	Sheet	Of
6312.92	H-18	4	48

O:\SEC---PROJECTS\2009 PROJECTS\109126 ABCWUA - SMALL DIAMETER\DRAWINGS\1\AUTOCAD\PLANSET\ALLEY BTWN SAN MATEO PL & MADEIRA DR, STA. 10+00 TO STA. 16+75.DWG 7/27/10 2:53:10 PM



POTHOLE INFO.

POTHOLE #	COVER	PVMT THICKNESS	TYPE	MATERIAL
16	4'-4"	DIRT	WATER	LWS

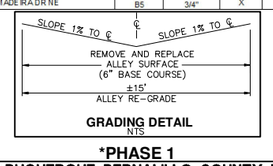
BUILD NOTES:

3. REMOVE & REPLACE RESIDENTIAL ASPHALT CONCRETE MATERIAL PER STANDARD DRAWING 2465.
5. REMOVE & REPLACE ALLEY SURFACE WITH 6-INCH BASE COURSE MATERIAL PER STANDARD DRAWING 2465.
10. GRADE AREA, WITH LESS THAN 2-FEET EXCAVATION PER DETAIL THIS SHEET AND STANDARD SPECIFICATION SECTION 301.
18. FURNISH & INSTALL 6-INCH WATERLINE PIPE INCLUDING TRENCH & COMPACTED BACKFILL (801.002).
20. REMOVE & DISPOSE EXISTING WATERLINE WITH FITTINGS (801.055).
22. NON-PRESSURIZED CONNECTION TO EXISTING WATERLINE (801.059). *PROPOSED CONNECTION CONFIGURATION IS FOR ESTIMATING PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY EXISTING PIPE CONFIGURATION, SIZE, TYPE, AND OTHER FIELD CONDITIONS IN ADVANCE OF CONSTRUCTION TO ESTABLISH CORRECT ADAPTERS AND FITTINGS. CONTRACTOR SHALL SHOW FINAL CONNECTION CONFIGURATION ON THE AS-BUILT DRAWINGS.*
23. FURNISH & INSTALL DUCTILE IRON MECHANICAL JOINT FITTINGS, CLASS 250 (801.002).
24. FURNISH & INSTALL 6-INCH GATE VALVE PER STANDARD DRAWING 2326 (801.081).
26. REMOVE & SALVAGE EXISTING GATE VALVE (801.102).
27. REMOVE & DISPOSE VALVE BOX (801.104).
28. FURNISH & INSTALL VALVE BOX PER STANDARD DRAWING 2326 (801.105).
29. FURNISH & INSTALL FIRE HYDRANT PER STANDARD DRAWING 2340 (801.113).
30. REMOVE & SALVAGE EXISTING FIRE HYDRANT (801.119).

WATER SERVICE LINE SCHEDULE

1. REPLACE AND TRANSFER ALL WATER SERVICE LINE(S) PER STANDARD DRAWING 2362.
2. RELOCATE EXISTING WATER METER(S) PER SCHEDULE BELOW AND PER STANDARD DRAWING 2362. *(EX. BOXES BEHIND WALL SHOULD BE RELOCATED TO ALLEY R/W)*
3. REHABILITATE WATER METER BOX(ES) PER SCHEDULE BELOW.
4. *ADJUST ALL METER BOXES TO NEW GRADE (INCIDENTAL TO METER RELOCATE AND REPLACEMENT.*

ADDRESS	LOCATION	SERVICE SIZE	REHAB	RELOCATE
5400 CUTLER AVE NE	F6	3"		
5400 CUTLER AVE NE	FIRE LINE	3"		
2403 LA VETA DR NE	B3	3/4"	X	
2404 MADEIRA DR NE	B5	1"	X	X
2407 LA VETA DR NE	B5	3/4"	X	X
2408 MADEIRA DR NE	B5	3/4"	X	X
2413 LA VETA DR NE	B5	3/4"	X	X
2414 MADEIRA DR NE	B3	3/4"	X	X
2417 LA VETA DR NE	B5	3/4"	X	X
2418 MADEIRA DR NE	B5	3/4"	X	
2423 LA VETA DR NE	B5	3/4"	X	
2424 MADEIRA DR NE	B5	3/4"	X	
2429 LA VETA DR NE	B4	3/4"	X	
2430 MADEIRA DR NE	B4	3/4"	X	X
2433 LA VETA DR NE	B5	3/4"	X	
2434 MADEIRA DR NE	B4	3/4"	X	
2437 LA VETA DR NE	B4	3/4"	X	
2438 MADEIRA DR NE	B4	3/4"	X	X
2442 MADEIRA DR NE	B5	3/4"	X	X
2445 LA VETA DR NE	B5	3/4"	X	
2446 MADEIRA DR NE	B4	3/4"	X	X
2503 LA VETA DR NE	B4	3/4"	X	X
2504 MADEIRA DR NE	B6	3/4"	X	X
2507 LA VETA DR NE	B5	3/4"	X	X
2508 MADEIRA DR NE	B6	3/4"	X	
2513 LA VETA DR NE	B3	3/4"	X	
2514 MADEIRA DR NE	B5	3/4"	X	



GRADING DETAIL
NTS

***PHASE 1**

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
SMALL DIAMETER WATER & SEWER
REHABILITATION FY11

TITLE: **ALLEY BTWN MADEIRA DR. & LA VETA DR.**
STA. 10+00 TO STA. 18+80
FROM CUTLER TO ALLEY SOUTH OF MENAUL

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

City Project No.	Zone Map No.	Sheet	Of
6312.92	H-18	5	48

AS BUILT INFORMATION
CONTRACTOR / WORK STAKED BY / INSPECTOR'S ACCEPTANCE BY / VERIFICATION BY / DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
COA CONTROL MONUMENT "18-H18"
N=1495167.654
E=1541177.063
ELEV=5232.741 NAVD 1988
NAD 1983 NEW MEXICO
STATE PLANE COORDINATES GROUND TO GRID
FACTOR= 0.999664864

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEERS SEAL
REBECCA C. FINK
NEW MEXICO
14232
REGISTERED PROFESSIONAL ENGINEER

RCF

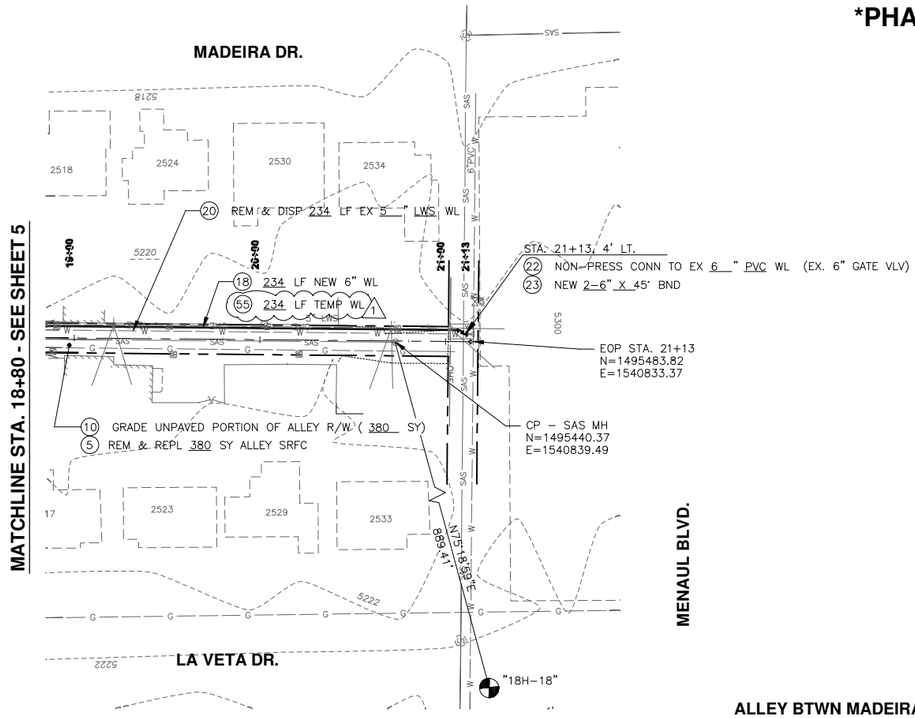
NO.	DATE	REMARKS	BY
1	8/13/10	ADDENDUM	RCF

REVISIONS

DESIGNED BY	RCF	DATE Jul 2010
DRAWN BY	MAC/VLH	DATE Jul 2010
CHECKED BY	FAC	DATE Jun 2010

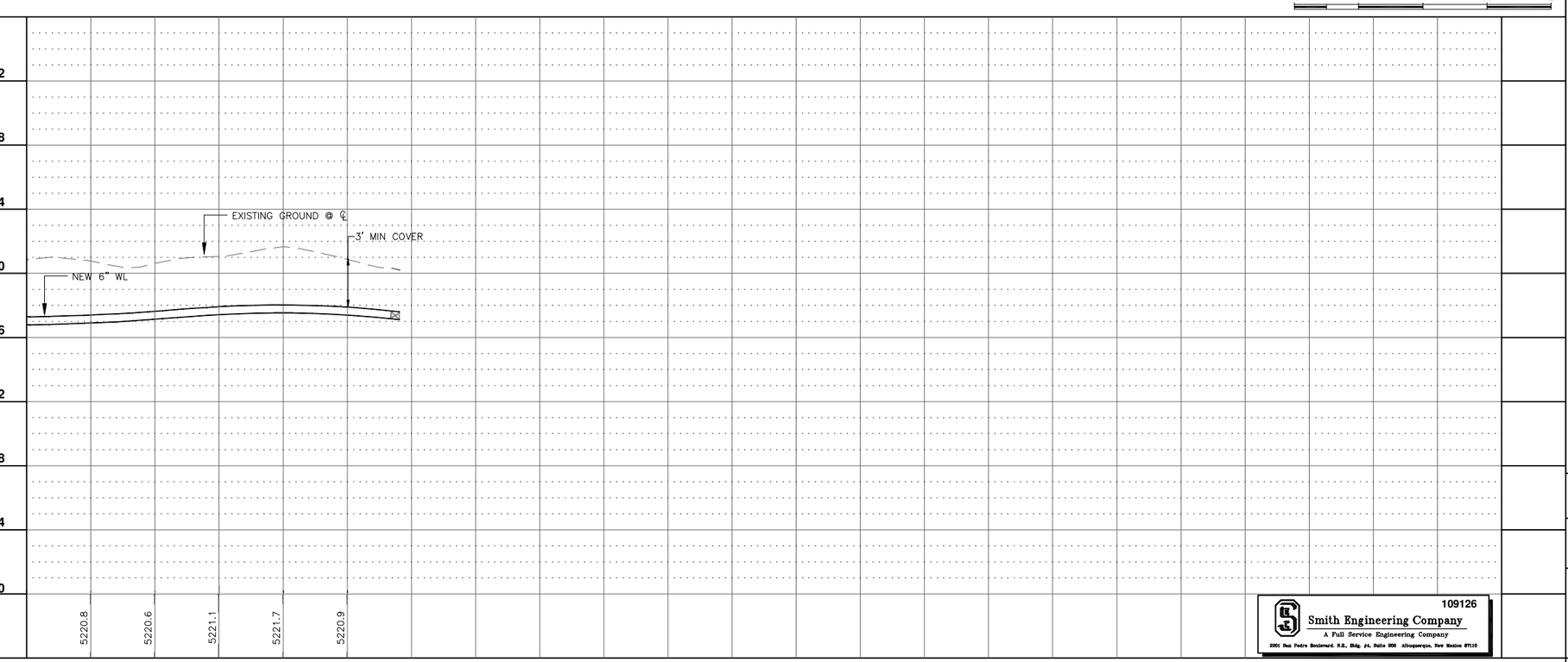
G:\SEC - PROJECTS\2009 PROJECTS\109126 ABCWUA - SMALL DIAMETER\DRAWINGS\1) AUTOCAD PLANSET\ALLEY BTWN MADEIRA DR. & LA VETA DR. STA. 10+00 TO STA. 18+80.DWG 7/27/10 1:46:38 PM

*PHASE 1



ALLEY BTWN MADEIRA DR. & LA VETA DR. STA. 18+80 TO STA. 21+13

SCALE HORZ: 1" = 40'
SCALE VERT: 1" = 4'



109126
Smith Engineering Company
A Full Service Engineering Company
2001 San Pedro Boulevard N.E., Bldg. #4, Suite 300 Albuquerque, New Mexico 87110

(X) BUILD NOTES:

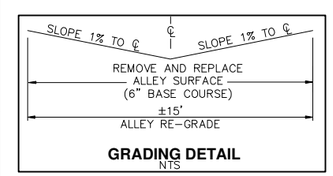
5. REMOVE & REPLACE ALLEY SURFACE WITH 6-INCH BASE COURSE MATERIAL PER STANDARD DRAWING 2465.
10. GRADE AREA, WITH LESS THAN 2-FEET EXCAVATION PER DETAIL THIS SHEET AND STANDARD SPECIFICATION SECTION 301.
18. FURNISH & INSTALL 6-INCH WATERLINE PIPE INCLUDING TRENCH & COMPACTED BACKFILL (801.002).
20. REMOVE & DISPOSE EXISTING WATERLINE WITH FITTINGS (801.055).
22. NON-PRESSURIZED CONNECTION TO EXISTING WATERLINE (801.059). *PROPOSED CONNECTION CONFIGURATION IS FOR ESTIMATING PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY EXISTING PIPE CONFIGURATION, SIZE, TYPE, AND OTHER FIELD CONDITIONS IN ADVANCE OF CONSTRUCTION TO ESTABLISH CORRECT ADAPTERS AND FITTINGS. CONTRACTOR SHALL SHOW FINAL CONNECTION CONFIGURATION ON THE AS-BUILT DRAWINGS.*
23. FURNISH & INSTALL DUCTILE IRON MECHANICAL JOINT FITTINGS. CLASS 250 (801.002).

55. TEMPORARY WATERLINE, 2-INCH TO 4-INCH, INCLUDING INSTALLATION, FLUSHING, USE, AND REMOVAL (801.028). 1

WATER SERVICE LINE SCHEDULE

1. REPLACE AND TRANSFER ALL WATER SERVICE LINE(S) PER STANDARD DRAWING 2362.
2. RELOCATE EXISTING WATER METER(S) PER SCHEDULE BELOW AND PER STANDARD DRAWING 2362. *(EX. BOXES BEHIND WALL SHOULD BE RELOCATED TO ALLEY R/W)*
3. REHABILITATE WATER METER BOX(ES) PER SCHEDULE BELOW.
4. *ADJUST ALL METER BOXES TO NEW GRADE (INCIDENTAL TO METER RELOCATE AND REPLACEMENT.*

ADDRESS	LOCATION	SERVICE SIZE	REHAB	RELOCATE
2517 LA VETA DR NE	B4	3/4"	X	
2518 MADEIRA DR NE	B5	3/4"	X	X
2523 LA VETA DR NE	B5	3/4"	X	
2524 MADEIRA DR NE	B5	3/4"	X	X
2529 LA VETA DR NE	B4	3/4"	X	
2530 MADEIRA DR NE	B5	3/4"	X	
2533 LA VETA DR NE	B6	3/4"	X	
2534 MADEIRA DR NE	B5	3/4"	X	



GRADING DETAIL
NTS

*PHASE 1

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK VERIFIED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
COA CONTROL MONUMENT "18-H18"
N=1495167.654
E=1541177.063
ELEV=5232.741 NAVD 1988
NAD 1983 NEW MEXICO
STATE PLANE COORDINATES GROUND TO GRID
FACTOR= 0.999664864

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEERS SEAL
REBECCA C FINK
NEW MEXICO
14232
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	8/13/10	ADDENDUM	RCF

REVISIONS
DESIGN
DESIGNED BY RCF DATE Jul 2010
DRAWN BY MAC/VLH DATE Jul 2010
CHECKED BY FAC DATE Jun 2010

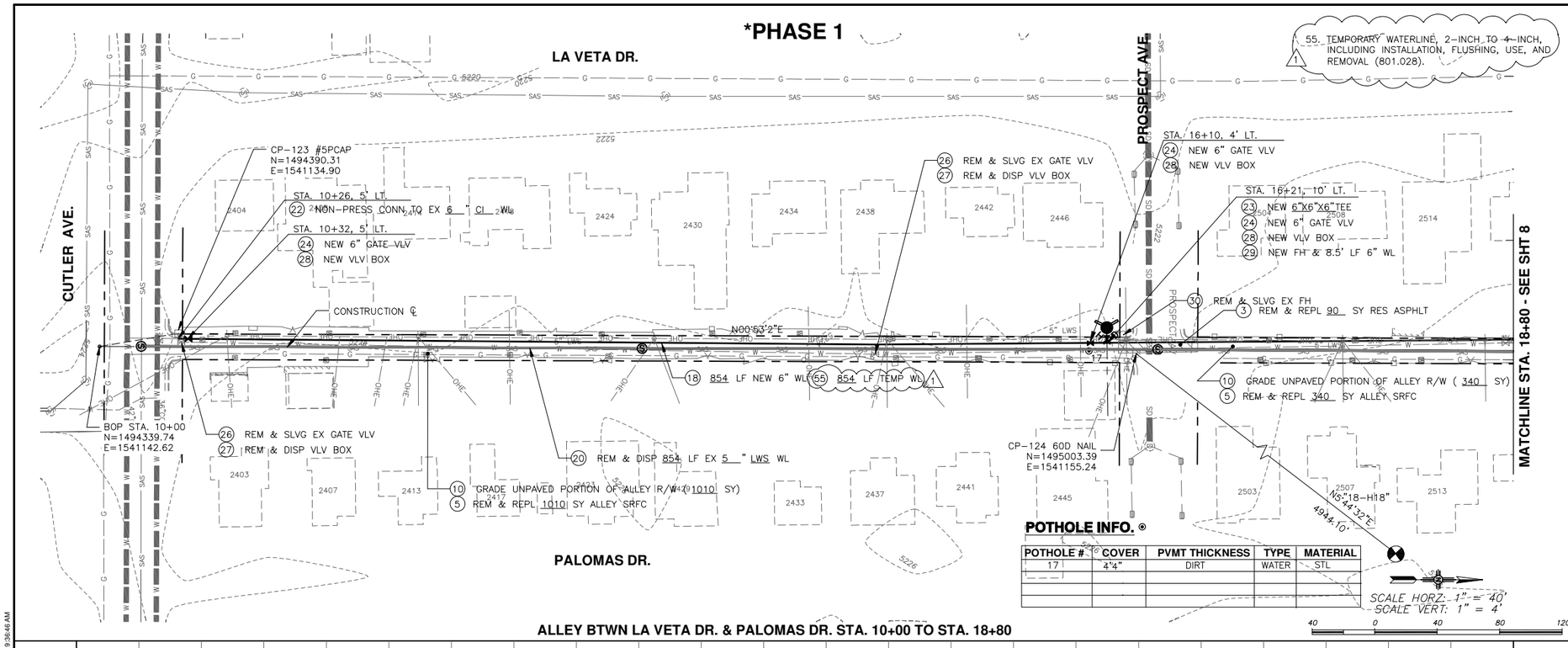
ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
SMALL DIAMETER WATER & SEWER
REHABILITATION FY11

TITLE: **ALLEY BTWN MADEIRA DR. & LA VETA DR.**
STA. 18+80 TO STA. 21+13
FROM CUTLER TO ALLEY SOUTH OF MENAUL

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

City Project No.	Zone Map No.	Sheet	Of
6312.92	H-18	6	48

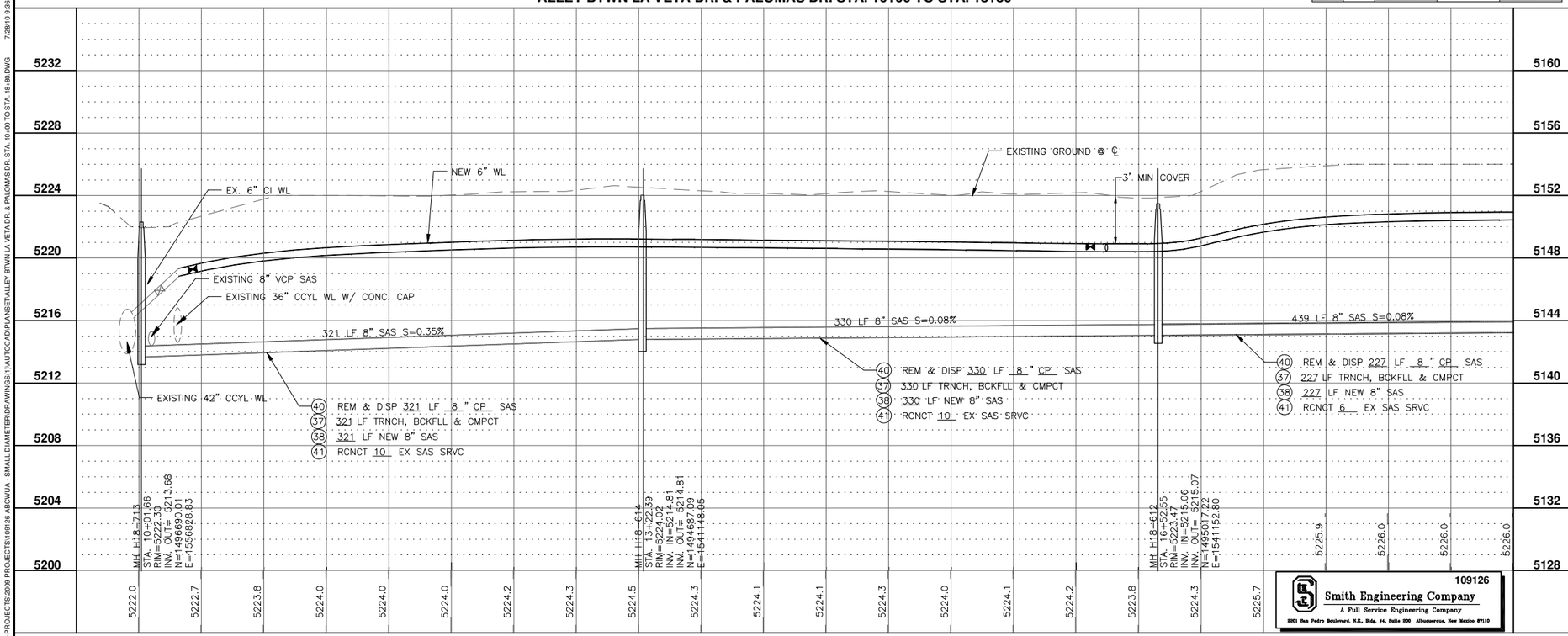
Q:\SEC--PROJECTS\2009 PROJECTS\09126 ABCWUA - SMALL DIAMETER\DRAWINGS\11\AUTOCAD\PLAN\SET\ALLEY BTWN MADEIRA DR. & LA VETA DR. STA. 18+80 TO STA. 21+13.DWG 7/27/10 2:12:45 PM



POTHOLE INFO.

POTHOLE #	COVER	PVMT THICKNESS	TYPE	MATERIAL
17	4"x4"	DIRT	WATER	STL

ALLEY BTWN LA VETA DR. & PALOMAS DR. STA. 10+00 TO STA. 18+80



Smith Engineering Company
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2001 San Pedro Boulevard N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110
109126

(X) BUILD NOTES:

3. REMOVE & REPLACE RESIDENTIAL ASPHALT CONCRETE MATERIAL PER STANDARD DRAWING 2465.
5. REMOVE & REPLACE ALLEY SURFACE WITH 6-INCH BASE COURSE MATERIAL PER STANDARD DRAWING 2465.
10. GRADE AREA, WITH LESS THAN 2-FEET EXCAVATION PER DETAIL THIS SHEET AND STANDARD SPECIFICATION SECTION 301.
18. FURNISH & INSTALL 6-INCH WATERLINE PIPE INCLUDING TRENCH & COMPACTED BACKFILL (801.002).
20. REMOVE & DISPOSE EXISTING WATERLINE WITH FITTINGS (801.055).
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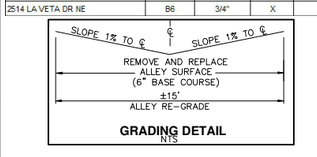
23. FURNISH & INSTALL DUCTILE IRON MECHANICAL JOINT FITTINGS, CLASS 250 (801.002).
24. FURNISH & INSTALL 6-INCH GATE VALVE PER STANDARD DRAWING 2326 (801.081).
26. REMOVE & SALVAGE EXISTING GATE VALVE (801.102).
27. REMOVE & DISPOSE VALVE BOX (801.104).
28. FURNISH & INSTALL VALVE BOX PER STANDARD DRAWING 2326 (801.105).
29. FURNISH & INSTALL FIRE HYDRANT PER STANDARD DRAWING 2340 (801.113).
30. REMOVE & SALVAGE EXISTING FIRE HYDRANT (801.119).
37. TRENCH, BACKFILL, AND COMPACT 4-INCH TO 15-INCH SEWER PIPE, OVER 16-FEET IN DEPTH (701.040).
38. FURNISH & PLACE 8-INCH SEWER PIPE IN OPEN TRENCH (901.030).
40. REMOVE & DISPOSE SEWER LINE PER STANDARD DRAWING 2125 (901.710).
41. REINSTALL EXISTING 4-INCH SEWER SERVICE LINE TO REPLACEMENT MAIN, INCLUDING FIRST 5-FEET OF NEW SERVICE LINE, PER STANDARD DRAWING 2134 (905.200).

WATER SERVICE LINE SCHEDULE

1. REPLACE AND TRANSFER ALL WATER SERVICE LINE(S) PER STANDARD DRAWING 2362.
2. RELOCATE EXISTING WATER METER(S) PER SCHEDULE BELOW AND PER STANDARD DRAWING 2362. *(EX. BOXES BEHIND WALL SHOULD BE RELOCATED TO ALLEY R/W)*
3. REHABILITATE WATER METER BOX(ES) PER SCHEDULE BELOW.
4. *ADJUST ALL METER BOXES TO NEW GRADE (INCIDENTAL TO METER RELOCATE AND REPLACEMENT.*

ADDRESS	LOCATION	SERVICE SIZE	REHAB	RELOCATE
2403 PALOMAS DR NE	B4	3/4"	X	
2404 LA VETA DR NE	B5	3/4"	X	X
2407 PALOMAS DR NE	B5	3/4"	X	X
2408 LA VETA DR NE	B5	3/4"	X	X
2413 PALOMAS DR NE	B5	3/4"	X	
2414 LA VETA DR NE	F6	3/4"	X	X
2417 PALOMAS DR NE	B4	3/4"	X	
2418 LA VETA DR NE	B4	3/4"	X	X
2423 PALOMAS DR NE	B4	3/4"	X	X
2424 LA VETA DR NE	B6	3/4"	X	X
2429 PALOMAS DR NE	B3	3/4"	X	
2430 LA VETA DR NE	B6	3/4"	X	X
2433 PALOMAS DR NE		3/4"	X	
2434 LA VETA DR NE	B5	3/4"	X	X
2437 PALOMAS DR NE	B5	3/4"	X	X
2438 LA VETA DR NE	B5	3/4"	X	X
2441 PALOMAS DR NE	B4	3/4"	X	
2442 LA VETA DR NE	B5	3/4"	X	
2445 PALOMAS DR NE	B4	3/4"	X	
2446 LA VETA DR NE	B4	3/4"	X	
2503 PALOMAS DR NE	B5	3/4"	X	
2504 LA VETA DR NE	B6	3/4"	X	X
2507 PALOMAS DR NE	B5	3/4"	X	X
2508 LA VETA DR NE	B6	3/4"	X	X
2513 PALOMAS DR NE	B5	3/4"	X	X
2514 LA VETA DR NE	B6	3/4"	X	



GRADING DETAIL

***PHASE 1**

AS BUILT INFORMATION
CONTRACTOR / WORK STAKED BY / INSPECTOR'S ACCEPTANCE BY / VERIFICATION BY / DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
COA CONTROL MONUMENT "18-H18"
N=1495167.654
E=1541177.063
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NAD 1983 NEW MEXICO
STATE PLANE COORDINATES GROUND TO GRID
FACTOR= 0.999664864

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEERS SEAL
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14232
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	8/13/10	ADDENDUM	RCF

REVISIONS

DESIGN		DATE
DESIGNED BY	RCF	Jul 2010
DRAWN BY	MAC/VLH	Jul 2010
CHECKED BY	FAC	Jun 2010

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
SMALL DIAMETER WATER & SEWER
REHABILITATION FY11

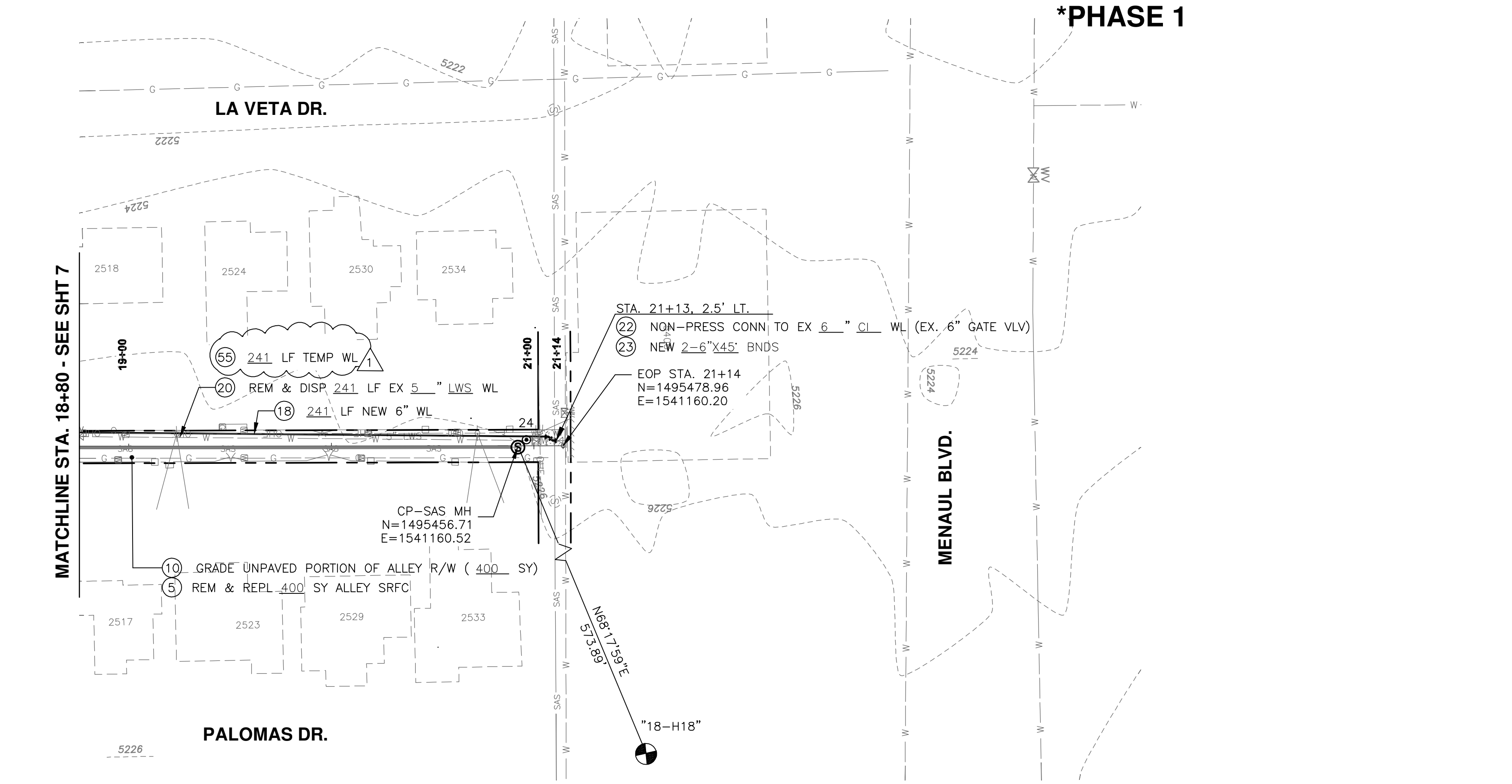
TITLE: **ALLEY BTWN LA VETA DR. & PALOMAS DR.**
STA. 10+00 TO STA. 18+80
FROM CUTLER TO ALLEY SOUTH OF MENA UL

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

City Project No.	Zone Map No.	Sheet	Of
6312.92	H-18	7	48

Q:\SEC-PROJECTS\2009 PROJECTS\109126 ABCWUA - SMALL DIAMETER\DRAWINGS\1\AUTOCAD PLANSET\ALLEY BTWN LA VETA DR & PALOMAS DR STA 10+00 TO STA 18+80.DWG 7/28/10 9:38:46 AM

*PHASE 1

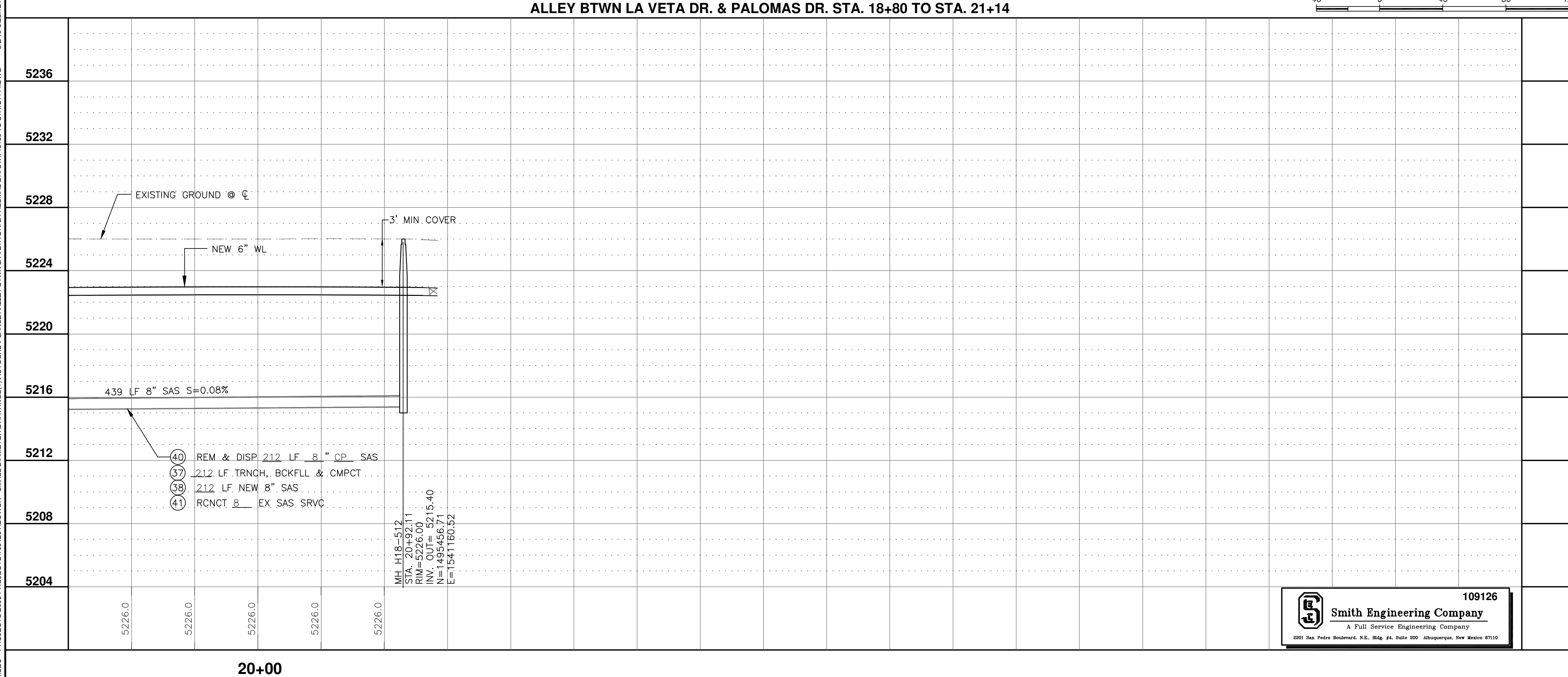


POTHOLE INFO.

POTHOLE #	COVER	PVMT THICKNESS	TYPE	MATERIAL
24	3'-6"	DIRT	WATER	LWS

SCALE HORZ: 1" = 40'
SCALE VERT: 1" = 4'

ALLEY BTWN LA VETA DR. & PALOMAS DR. STA. 18+80 TO STA. 21+14



109126
Smith Engineering Company
A Full Service Engineering Company

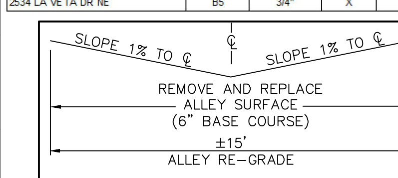
BUILD NOTES:

5. REMOVE & REPLACE ALLEY SURFACE WITH 6-INCH BASE COURSE MATERIAL PER STANDARD DRAWING 2465.
10. GRADE AREA, WITH LESS THAN 2-FEET EXCAVATION PER DETAIL THIS SHEET AND STANDARD SPECIFICATION SECTION 301.
18. FURNISH & INSTALL 6-INCH WATERLINE PIPE INCLUDING TRENCH & COMPACTED BACKFILL (801.002).
20. REMOVE & DISPOSE EXISTING WATERLINE WITH FITTINGS (801.055).
22. NON-PRESSURIZED CONNECTION TO EXISTING WATERLINE (801.059). *PROPOSED CONNECTION CONFIGURATION IS FOR ESTIMATING PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY EXISTING PIPE CONFIGURATION, SIZE, TYPE, AND OTHER FIELD CONDITIONS IN ADVANCE OF CONSTRUCTION TO ESTABLISH CORRECT ADAPTERS AND FITTINGS. CONTRACTOR SHALL SHOW FINAL CONNECTION CONFIGURATION ON THE AS-BUILT DRAWINGS.*
23. FURNISH & INSTALL DUCTILE IRON MECHANICAL JOINT FITTINGS. CLASS 250 (801.002).
37. TRENCH, BACKFILL, AND COMPACT 4-INCH TO 15-INCH SEWER PIPE, OVER 16-FEET IN DEPTH (701.040).
38. FURNISH & PLACE 8-INCH SEWER PIPE IN OPEN TRENCH (901.030).
40. REMOVE & DISPOSE SEWER LINE PER STANDARD DRAWING 2125 (901.710).
41. REINSTALL EXISTING 4-INCH SEWER SERVICE LINE TO REPLACEMENT MAIN, INCLUDING FIRST 5-FEET OF NEW SERVICE LINE, PER STANDARD DRAWING 2134 (905.200).
55. TEMPORARY WATERLINE, 2-INCH TO 4-INCH, INCLUDING INSTALLATION, FLUSHING, USE, AND REMOVAL (801.028).

WATER SERVICE LINE SCHEDULE

1. REPLACE AND TRANSFER ALL WATER SERVICE LINE(S) PER STANDARD DRAWING 2362.
2. RELOCATE EXISTING WATER METER(S) PER SCHEDULE BELOW AND PER STANDARD DRAWING 2362. *(EX. BOXES BEHIND WALL SHOULD BE RELOCATED TO ALLEY R/W)*
3. REHABILITATE WATER METER BOX(ES) PER SCHEDULE BELOW.
4. *ADJUST ALL METER BOXES TO NEW GRADE (INCIDENTAL TO METER RELOCATE AND REPLACEMENT.*

ADDRESS	LOCATION	SERVICE SIZE	REHAB	RELOCATE
2517 PALOMAS DR NE	B5	3/4"	X	X
2518 LA VETA DR NE	B5	3/4"	X	X
2523 PALOMAS DR NE	B5	3/4"	X	
2524 LA VETA DR NE	B5	3/4"	X	
2529 PALOMAS DR NE	B5	3/4"	X	
2530 LA VETA DR NE	B5	3/4"	X	
2533 PALOMAS DR NE	B5	3/4"	X	X
2534 LA VETA DR NE	B5	3/4"	X	X



GRADING DETAIL
NTS

AS BUILT INFORMATION: CONTRACTOR / WORK STAKED BY / INSPECTOR'S ACCEPTANCE BY / FIELD VERIFICATION BY / DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION: RECORDED BY — DATE — NO.

BENCH MARKS: COA CONTROL MONUMENT "18-H18"; N=1495167.654; E=1541177.063; ELEV=5232.741 NAVD 1988; NAD 1983 NEW MEXICO; STATE PLANE COORDINATES GROUND TO GRID; FACTOR= 0.99964864

SURVEY INFORMATION: FIELD NOTES — NO. — BY — DATE

ENGINEERS SEAL: REBECCA C. FINK, NEW MEXICO, 14232, REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS / REVISIONS	BY
1	8/13/10	ADDENDUM 1	RCF

DESIGN: DESIGNED BY RCF, DATE Jul 2010; DRAWN BY MAC/VLH, DATE Jul 2010; CHECKED BY FAC, DATE Jun 2010

*PHASE 1

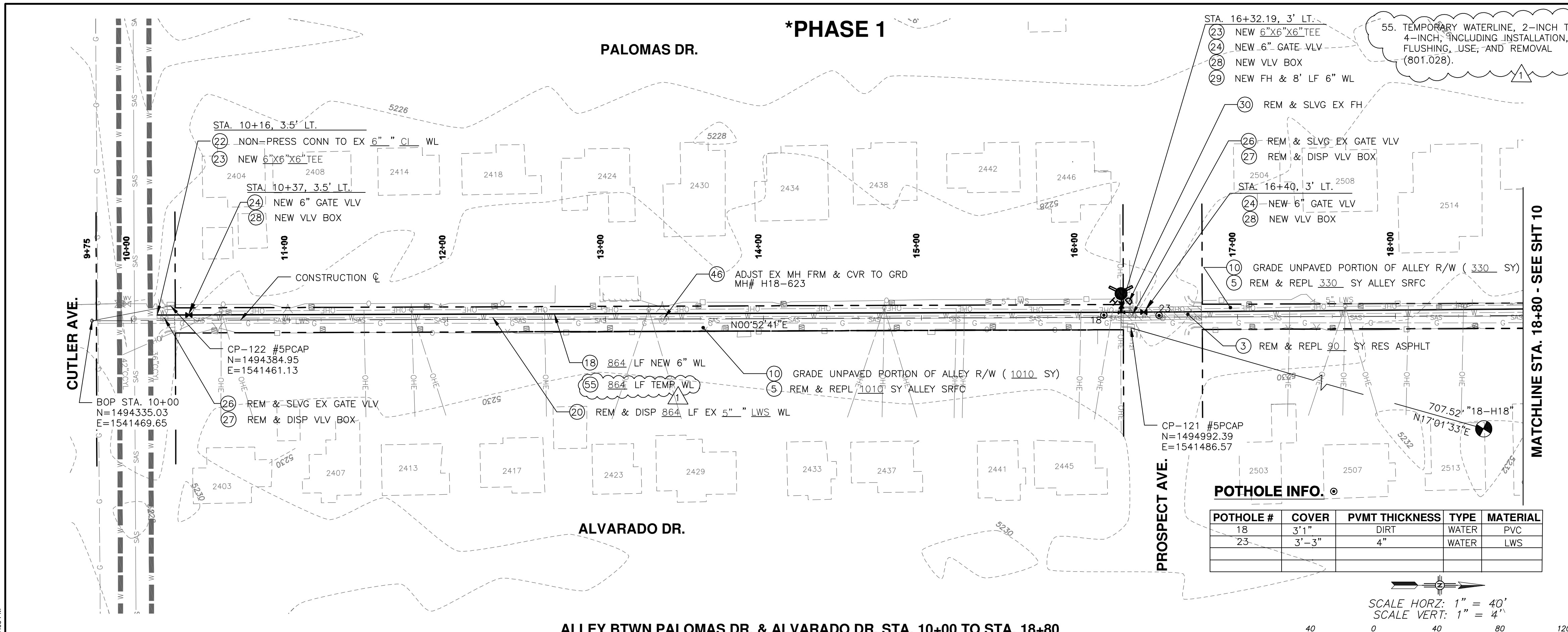
ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
SMALL DIAMETER WATER & SEWER
REHABILITATION FY11

TITLE: ALLEY BTWN LA VETA DR. & PALOMAS DR.
STA. 18+80 TO STA. 21+14
FROM CUTLER TO ALLEY SOUTH OF MENAUL

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

City Project No. 6312.92 | Zone Map No. H-18 | Sheet 8 | Of 48

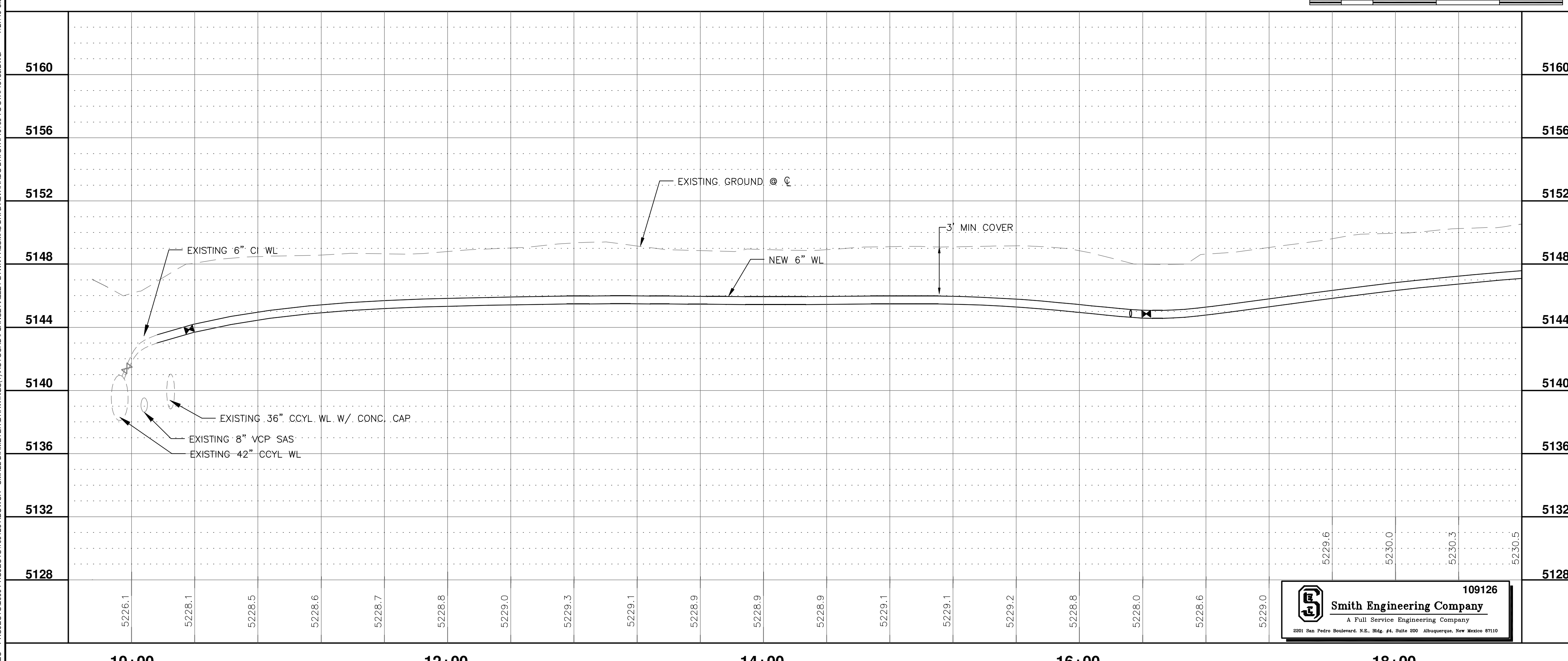
*PHASE 1



POTHOLE INFO. ⊙

POTHOLE #	COVER	PVMT THICKNESS	TYPE	MATERIAL
18	3'1"	DIRT	WATER	PVC
23	3'-3"	4"	WATER	LWS

ALLEY BTWN PALOMAS DR. & ALVARADO DR. STA. 10+00 TO STA. 18+80



Smith Engineering Company 109126
A Full Service Engineering Company

BUILD NOTES:

3. REMOVE & REPLACE RESIDENTIAL ASPHALT CONCRETE MATERIAL PER STANDARD DRAWING 2465.
5. REMOVE & REPLACE ALLEY SURFACE WITH 6-INCH BASE COURSE MATERIAL PER STANDARD DRAWING 2465.
10. GRADE AREA, WITH LESS THAN 2-FEET EXCAVATION PER DETAIL THIS SHEET AND STANDARD SPECIFICATION SECTION 301.
18. FURNISH & INSTALL 6-INCH WATERLINE PIPE INCLUDING TRENCH & COMPACTED BACKFILL (801.002).
20. REMOVE & DISPOSE EXISTING WATERLINE WITH FITTINGS (801.055).
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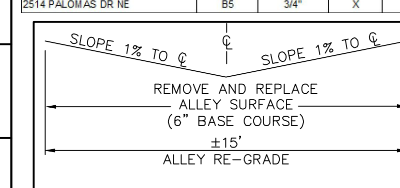
23. FURNISH & INSTALL DUCTILE IRON MECHANICAL JOINT FITTINGS, CLASS 250 (801.002).
24. FURNISH & INSTALL 6-INCH GATE VALVE PER STANDARD DRAWING 2326 (801.081).
26. REMOVE & SALVAGE EXISTING GATE VALVE (801.102).
27. REMOVE & DISPOSE VALVE BOX (801.104).
28. FURNISH & INSTALL VALVE BOX PER STANDARD DRAWING 2326 (801.105).
29. FURNISH & INSTALL FIRE HYDRANT PER STANDARD DRAWING 2340 (801.113).
30. REMOVE & SALVAGE EXISTING FIRE HYDRANT (801.119).
46. ADJUST EXISTING MANHOLE FRAME & COVER TO GRADE WITH METAL RINGS, 2-INCH OR LESS, PER STANDARD DRAWING 2111 (920.400).

WATER SERVICE LINE SCHEDULE

1. REPLACE AND TRANSFER ALL WATER SERVICE LINE(S) PER STANDARD DRAWING 2362.
2. RELOCATE EXISTING WATER METER(S) PER SCHEDULE BELOW AND PER STANDARD DRAWING 2362. *(EX. BOXES BEHIND WALL SHOULD BE RELOCATED TO ALLEY R/W)*
3. REHABILITATE WATER METER BOX(ES) PER SCHEDULE BELOW.
4. *ADJUST ALL METER BOXES TO NEW GRADE (INCIDENTAL TO METER RELOCATE AND REPLACEMENT.*

ADDRESS	LOCATION	SERVICE SIZE	REHAB	RELOCATE
2403 ALVARADO DR NE	B6	3/4"	X	X
2404 PALOMAS DR NE	B4	3/4"	X	X
2407 ALVARADO DR NE	B5	3/4"	X	X
2408 PALOMAS DR NE	B4	3/4"	X	X
2413 ALVARADO DR NE	B4	3/4"	X	X
2414 PALOMAS DR NE	B6	3/4"	X	X
2417 ALVARADO DR NE	B4	3/4"	X	X
2418 PALOMAS DR NE	B4	3/4"	X	X
2424 PALOMAS DR NE	B5	3/4"	X	X
2429 ALVARADO DR NE	B3	3/4"	X	X
2430 PALOMAS DR NE	B5	3/4"	X	X
2433 ALVARADO DR NE	B4	3/4"	X	X
2434 PALOMAS DR NE	B4	3/4"	X	X
2437 ALVARADO DR NE	B4	3/4"	X	X
2438 PALOMAS DR NE	B5	3/4"	X	X
2441 ALVARADO DR NE	B4	3/4"	X	X
2442 PALOMAS DR NE	B5	3/4"	X	X
2445 ALVARADO DR NE	B5	3/4"	X	X
2446 PALOMAS DR NE	B4	3/4"	X	X
2503 ALVARADO DR NE	B5	3/4"	X	X
2504 PALOMAS DR NE	B4	3/4"	X	
2507 ALVARADO DR NE	B7	3/4"	X	
2508 PALOMAS DR NE	B5	3/4"	X	
2513 ALVARADO DR NE	B3	3/4"	X	
2514 PALOMAS DR NE	B5	3/4"	X	



GRADING DETAIL
NTS

AS BUILT INFORMATION: CONTRACTOR; WORK STAKED BY; INSPECTOR'S ACCEPTANCE BY; FIELD VERIFICATION BY; DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION: RECORDED BY; NO. — DATE

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SURVEY INFORMATION: FIELD NOTES — NO. BY DATE

ENGINEERS SEAL: REBECCA C. FINK, NEW MEXICO, 14232, REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	8/13/10	ADDENDUM	RCF

REVISIONS — DESIGN: DESIGNED BY RCF, DATE Jul 2010; DRAWN BY MAC/VLH, DATE Jul 2010; CHECKED BY FAC, DATE Jun 2010

***PHASE 1**

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
SMALL DIAMETER WATER & SEWER REHABILITATION FY11

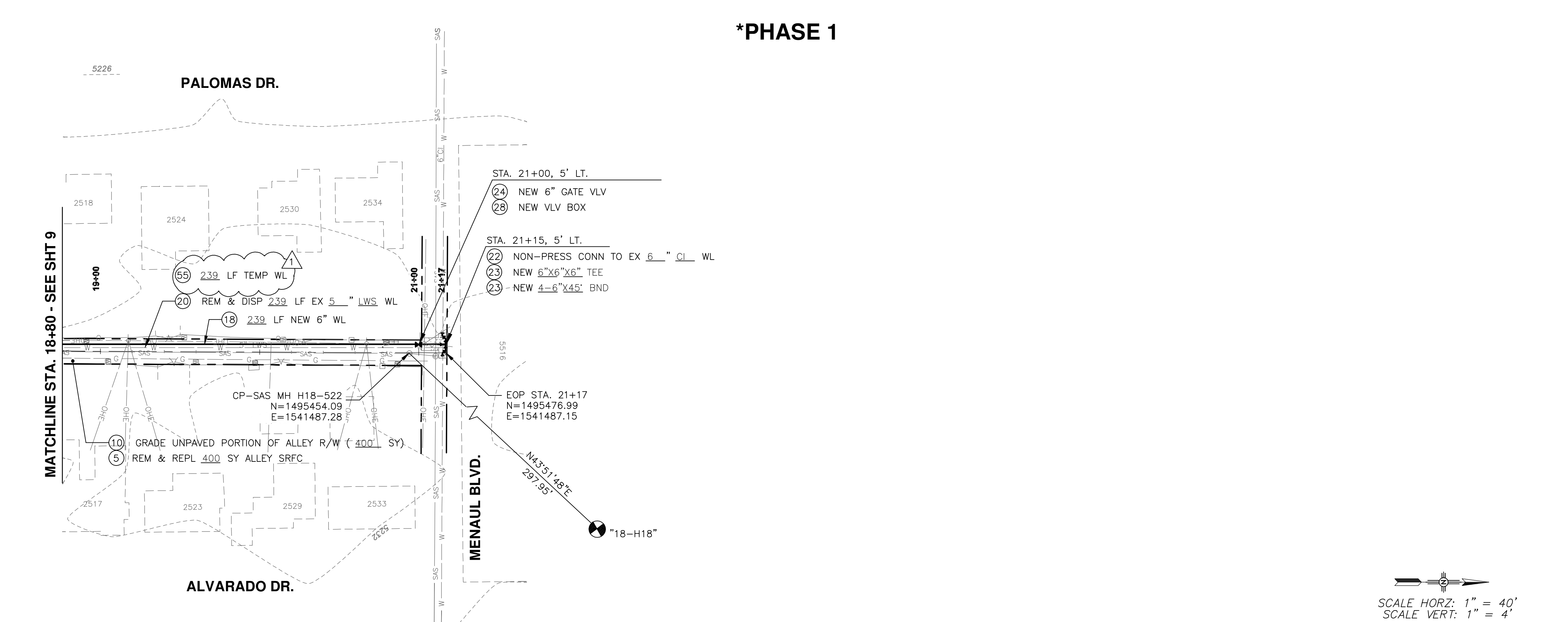
TITLE: **ALLEY BTWN PALOMAS DR. & ALVARADO DR. STA. 10+00 TO STA. 18+80 FROM CUTLER TO ALLEY SOUTH OF MENAUL**

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

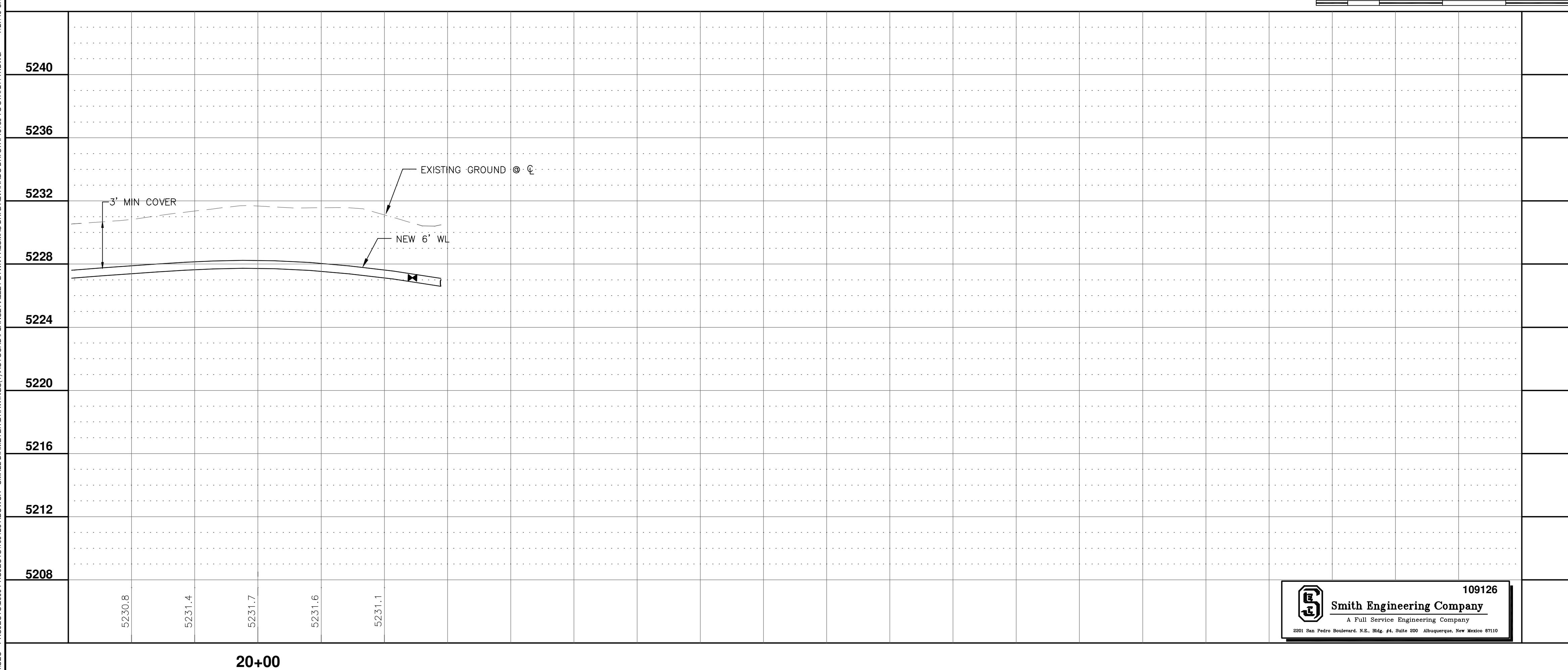
City Project No.	Zone Map No.	Sheet	Of
6312.92	H-18	9	48

O:\SEC--PROJECTS\2009 PROJECTS\09126 ABCWUA - SMALL DIAMETER\DRAWINGS(1)\AUTOCAD\PLANSET\ALLEY BTWN PALOMAS DR. & ALVARADO DR. STA. 10+00 TO STA. 18+80.DWG 7/27/10 3:01:08 PM

*PHASE 1



ALLEY BTWN PALOMAS DR. & ALVARADO DR. STA. 18+80 TO STA. 21+17



Ⓧ BUILD NOTES:

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28. FURNISH & INSTALL VALVE BOX PER STANDARD DRAWING 2326 (801.105).
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WATER SERVICE LINE SCHEDULE

1. REPLACE AND TRANSFER ALL WATER SERVICE LINE(S) PER STANDARD DRAWING 2362.
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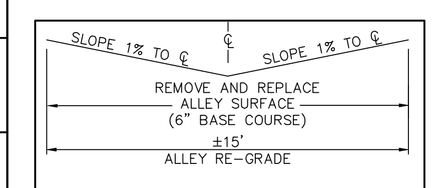
ADDRESS	LOCATION	SERVICE SIZE	REHAB	RELOCATE
2517 ALVARADO DR NE	B5	3/4"	X	X
2518 PALOMAS DR NE	B5	3/4"	X	
2523 ALVARADO DR NE	B5	3/4"	X	
2524 PALOMAS DR NE	B5	3/4"	X	
2529 ALVARADO DR NE	B8	3/4"	X	
2530 PALOMAS DR NE	B6	3/4"	X	X
2533 ALVARADO DR NE	B3	3/4"	X	
2534 PALOMAS DR NE	B5	3/4"	X	



GRADING DETAIL
NTS

*PHASE 1

AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE

MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS
COA CONTROL MONUMENT "18-H18"
N=1495167.654
E=1541177.063
ELEV=5232.741 NAVD 1988
NAD 1983 NEW MEXICO
STATE PLANE COORDINATES GROUND TO GRID
FACTOR= 0.99964864

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEERS SEAL
REBECCA C. FINK
NEW MEXICO
14232
REGISTERED PROFESSIONAL ENGINEER

REVISIONS
NO.	DATE	REMARKS	BY
1	8/13/10	ADDENDUM 1	RCF

DESIGN
DESIGNED BY	RCF	DATE	Jul 2010
DRAWN BY	MAC/VLH	DATE	Jul 2010
CHECKED BY	FAC	DATE	Jun 2010

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
SMALL DIAMETER WATER & SEWER
REHABILITATION FY11

TITLE: ALLEY BTWN PALOMAS DR. & ALVARADO DR.
STA. 18+80 TO STA. 21+17
FROM CUTLER TO ALLEY SOUTH OF MENAUL

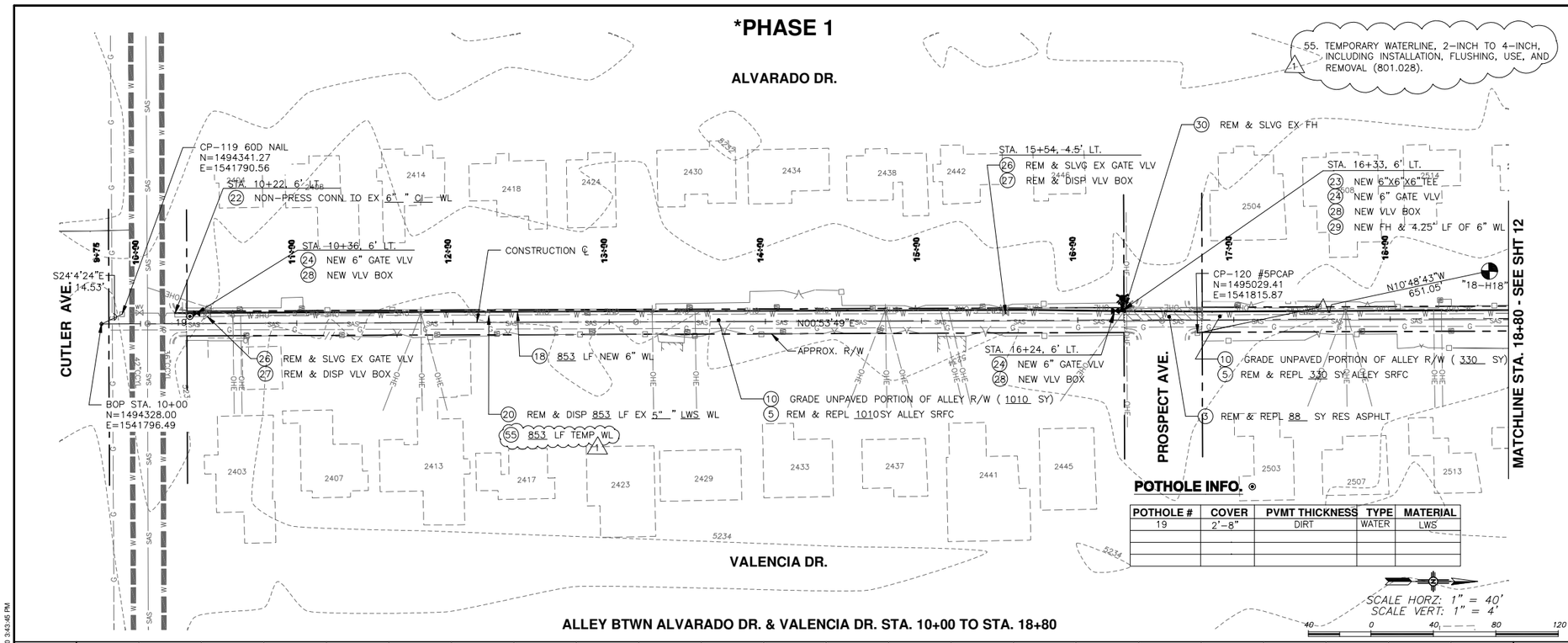
Design Review Committee | City Engineer Approval | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

109126
Smith Engineering Company
A Full Service Engineering Company
2201 San Pedro Boulevard, N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

City Project No. 6312.92 | Zone Map No. H-18 | Sheet 10 Of 48

Q:\SEC--PROJECTS\2009 PROJECTS\109126 ABCWUA - SMALL DIAMETER\DRAWINGS(1)\AUTOCAD\PLANSET\ALLEY BTWN PALOMAS DR. & ALVARADO DR. STA. 18+80 TO STA. 21+17.DWG 7/27/10 3:19:29 PM

*PHASE 1



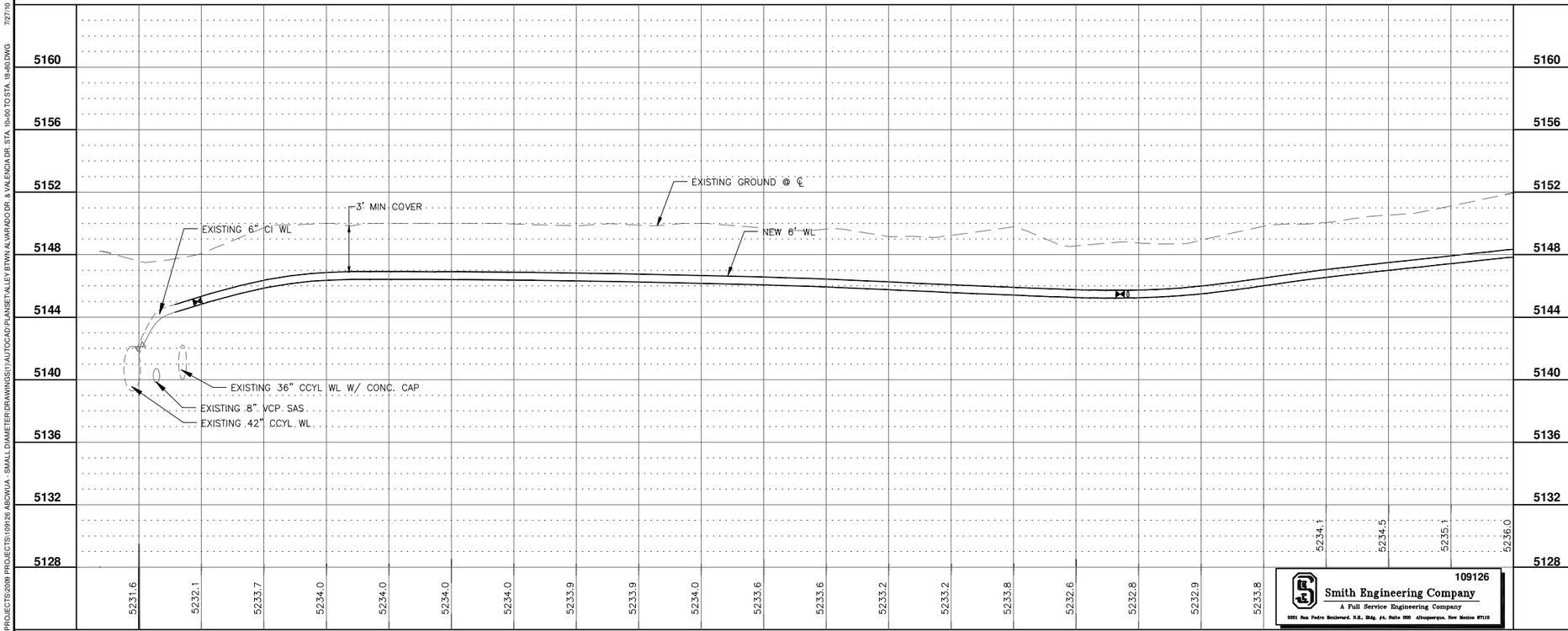
POTHOLE INFO.

POTHOLE #	COVER	PVMT THICKNESS	TYPE	MATERIAL
19	2'-8"	DIRT	WATER	LWS

SCALE HORZ: 1" = 40'
SCALE VERT: 1" = 4'

40 0 40 80 120

ALLEY BTWN ALVARADO DR. & VALENCIA DR. STA. 10+00 TO STA. 18+80



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2201 San Pedro Boulevard N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

(X) BUILD NOTES:

3. REMOVE & REPLACE RESIDENTIAL ASPHALT CONCRETE MATERIAL PER STANDARD DRAWING 2465.
5. REMOVE & REPLACE ALLEY SURFACE WITH 6-INCH BASE COURSE MATERIAL PER STANDARD DRAWING 2465.
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30. REMOVE & SALVAGE EXISTING FIRE HYDRANT (801.119).

WATER SERVICE LINE SCHEDULE

1. REPLACE AND TRANSFER ALL WATER SERVICE LINE(S) PER STANDARD DRAWING 2362.
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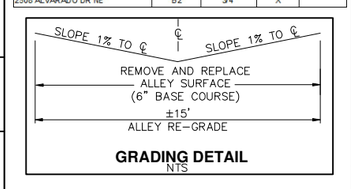
4. *ADJUST ALL METER BOXES TO NEW GRADE (INCIDENTAL TO METER RELOCATE AND REPLACEMENT.*

ADDRESS	LOCATION	SERVICE SIZE	REHAB	RELOCATE
2403 VALENCIA DR NE		3/4"	X	X
2404 ALVARADO DR NE	B5	3/4"	X	X
2407 VALENCIA DR NE	B4	3/4"	X	X
2408 ALVARADO DR NE	B3	3/4"	X	X
2413 VALENCIA DR NE	B4	3/4"	X	
2414 ALVARADO DR NE	B5	3/4"	X	
2417 VALENCIA DR NE	B6	3/4"	X	X
2418 ALVARADO DR NE	B4	3/4"	X	
2423 VALENCIA DR NE	B6	3/4"	X	
2424 ALVARADO DR NE	B4	3/4"	X	
2429 VALENCIA DR NE	B6	3/4"	X	
2430 ALVARADO DR NE	B4	3/4"	X	
2433 VALENCIA DR NE	B5	3/4"	X	X
2434 ALVARADO DR NE	B5	3/4"	X	X
2437 VALENCIA DR NE	B5	3/4"	X	
2438 ALVARADO DR NE	B4	3/4"	X	
2441 VALENCIA DR NE	B5	3/4"	X	
2442 ALVARADO DR NE	B5	3/4"	X	
2445 VALENCIA DR NE	B5	3/4"	X	
2446 ALVARADO DR NE	B5	3/4"	X	
2503 VALENCIA DR NE	B3	3/4"	X	
2504 ALVARADO DR NE	B4	3/4"	X	
2507 VALENCIA DR NE	B5	3/4"	X	
2508 ALVARADO DR NE	B2	3/4"	X	



GRADING DETAIL
NTS

***PHASE 1**

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WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY
DATE
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FACTOR= 0.999664864

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEERS SEAL
REBECCA C. FINK
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REGISTERED PROFESSIONAL ENGINEER

RCF

REVISIONS
NO. DATE REMARKS BY
8/13/10 ADDENDUM

DESIGN
DESIGNED BY RCF DATE Jul 2010
DRAWN BY MAC/VLH DATE Jul 2010
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ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
SMALL DIAMETER WATER & SEWER
REHABILITATION FY11

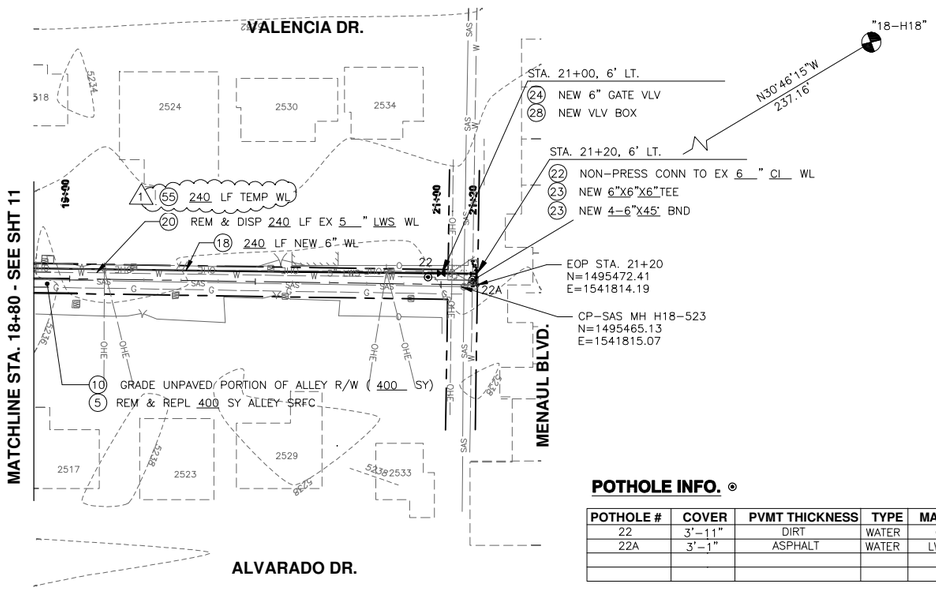
TITLE: **ALLEY BTWN ALVARADO DR. & VALENCIA DR. STA. 10+00 TO STA. 18+80**
FROM CUTLER TO ALLEY SOUTH OF MENAUL

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

City Project No. 6312.92 | Zone Map No. H-18 | Sheet 11 | Of 48

O:\SEC - PROJECTS\2009 PROJECTS\109126 ABCWUA - SMALL DIAMETER\DRAWINGS\1\AUTOCAD\PLANSET\ALLEY BTWN ALVARADO DR. & VALENCIA DR. STA. 10+00 TO STA. 18+80.DWG 7/27/10 3:43:45 PM

*PHASE 1



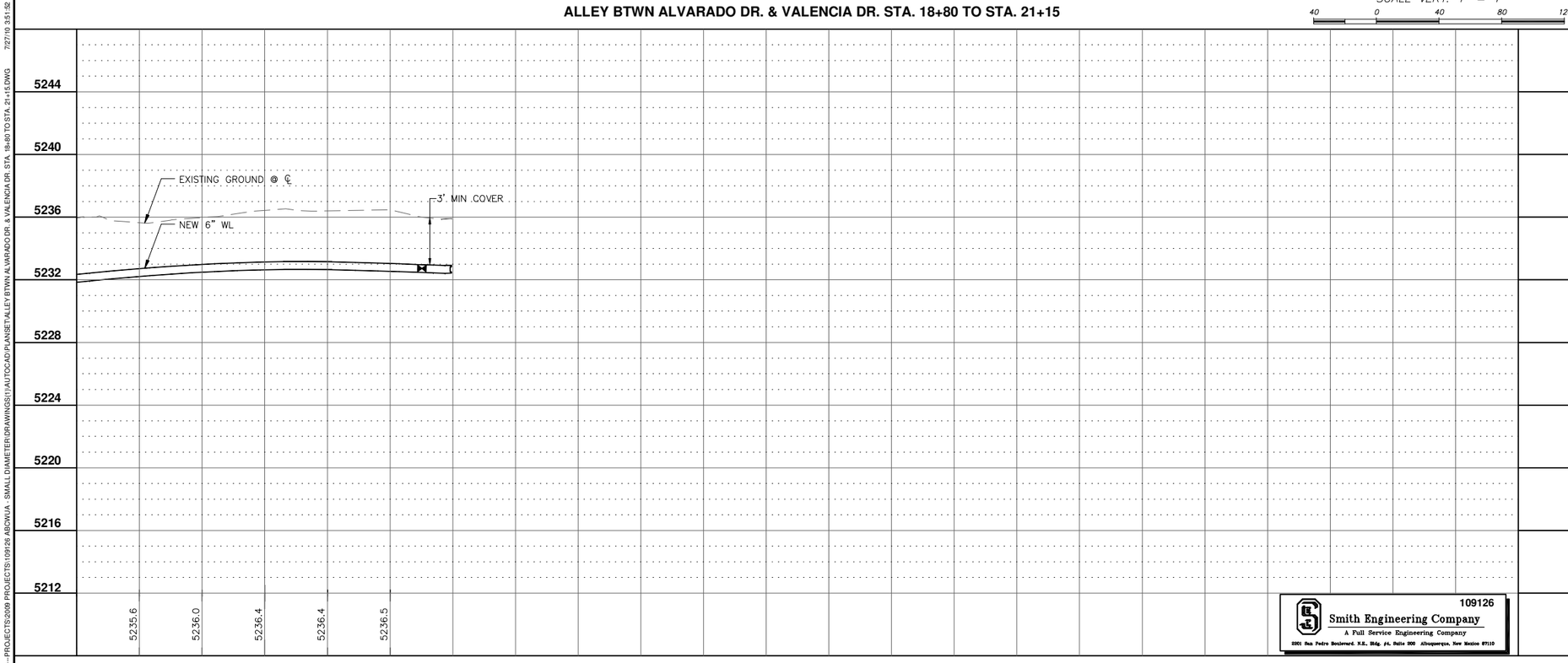
POTHOLE INFO.

POTHOLE #	COVER	PVMT THICKNESS	TYPE	MATERIAL
22	3'-11"	DIRT	WATER	CI
22A	3'-1"	ASPHALT	WATER	LWS

ALLEY BTWN ALVARADO DR. & VALENCIA DR. STA. 18+80 TO STA. 21+15

SCALE HORZ: 1" = 40'
SCALE VERT: 1" = 4'

40 0 40 80 120



109126
Smith Engineering Company
A Full Service Engineering Company
2201 San Pedro Boulevard N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

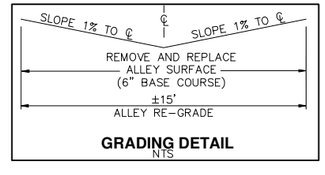
(X) BUILD NOTES:

5. REMOVE & REPLACE ALLEY SURFACE WITH 6-INCH BASE COURSE MATERIAL PER STANDARD DRAWING 2465.
10. GRADE AREA, WITH LESS THAN 2-FEET EXCAVATION PER DETAIL THIS SHEET AND STANDARD SPECIFICATION SECTION 301.
18. FURNISH & INSTALL 6-INCH WATERLINE PIPE INCLUDING TRENCH & COMPACTED BACKFILL (801.002).
20. REMOVE & DISPOSE EXISTING WATERLINE WITH FITTINGS (801.055).
22. NON-PRESSURIZED CONNECTION TO EXISTING WATERLINE (801.059). *PROPOSED CONNECTION CONFIGURATION IS FOR ESTIMATING PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY EXISTING PIPE CONFIGURATION, SIZE, TYPE, AND OTHER FIELD CONDITIONS IN ADVANCE OF CONSTRUCTION TO ESTABLISH CORRECT ADAPTERS AND FITTINGS. CONTRACTOR SHALL SHOW FINAL CONNECTION CONFIGURATION ON THE AS-BUILT DRAWINGS.*
23. FURNISH & INSTALL DUCTILE IRON MECHANICAL JOINT FITTINGS. CLASS 250 (801.002).
24. FURNISH & INSTALL 6-INCH GATE VALVE PER STANDARD DRAWING 2326 (801.081).
28. FURNISH & INSTALL VALVE BOX PER STANDARD DRAWING 2326 (801.105).
55. TEMPORARY WATERLINE, 2-INCH TO 4-INCH, INCLUDING INSTALLATION, FLUSHING, USE, AND REMOVAL (801.028). (1)

WATER SERVICE LINE SCHEDULE

1. REPLACE AND TRANSFER ALL WATER SERVICE LINE(S) PER STANDARD DRAWING 2362.
2. RELOCATE EXISTING WATER METER(S) PER SCHEDULE BELOW AND PER STANDARD DRAWING 2362. *(EX. BOXES BEHIND WALL SHOULD BE RELOCATED TO ALLEY R/W)*
3. REHABILITATE WATER METER BOX(ES) PER SCHEDULE BELOW.
4. *ADJUST ALL METER BOXES TO NEW GRADE (INCIDENTAL TO METER RELOCATE AND REPLACEMENT.*

ADDRESS	LOCATION	SERVICE SIZE	REHAB	RELOCATE
2513 VALENCIA DR NE	B5	3/4"	X	
2514 ALVARADO DR NE	B5	3/4"	X	X
2517 VALENCIA DR NE	B5	3/4"	X	X
2518 ALVARADO DR NE	B5	3/4"	X	X
2523 VALENCIA DR NE	B5	3/4"	X	
2524 ALVARADO DR NE		3/4"	X	
2529 VALENCIA DR NE	B5	3/4"	X	X
2530 ALVARADO DR NE	B5	3/4"	X	X
2533 VALENCIA DR NE	B5	3/4"	X	
2534 ALVARADO DR NE	B5	3/4"	X	



GRADING DETAIL
NTS

*PHASE 1

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK INSPECTED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
COA CONTROL MONUMENT "18-H18"
N=1495167.654
E=1541177.063
ELEV=5232.741 NAVD 1988
NAD 1983 NEW MEXICO
STATE PLANE COORDINATES GROUND TO GRID
FACTOR= 0.999664864

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEERS SEAL
REBECCA C. FINK
NEW MEXICO
14232
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	8/13/10	ADDENDUM	RCF

REVISIONS
DESIGN
DESIGNED BY RCF DATE Jul 2010
DRAWN BY MAC/VLH DATE Jul 2010
CHECKED BY FAC DATE Jun 2010

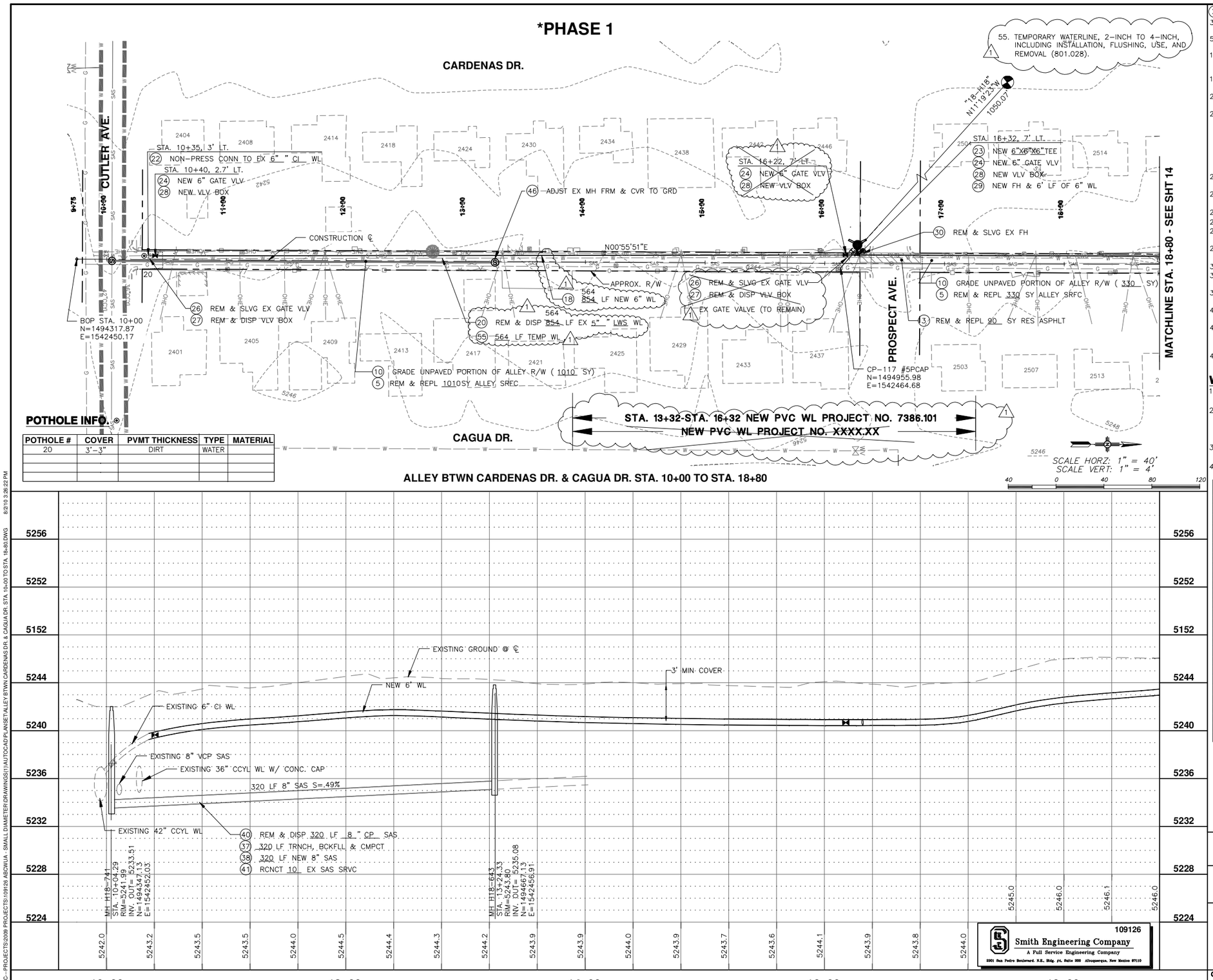
ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
SMALL DIAMETER WATER & SEWER REHABILITATION FY11

TITLE: **ALLEY BTWN ALVARADO DR. & VALENCIA DR. STA. 18+80 TO STA. 21+15 FROM CUTLER TO ALLEY SOUTH OF MENAUL**

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

City Project No. 6312.92 | Zone Map No. H-18 | Sheet 12 Of 48

O:\SEC---PROJECTS\2009 PROJECTS\109126 ABCWUA - SMALL DIAMETER\DRAWINGS\1\AUTOCAD\PLANSET\ALLEY BTWN ALVARADO DR. & VALENCIA DR. STA. 18+80 TO STA. 21+15.DWG 7/27/10 3:51:52 PM



POTHOLE INFO.

POTHOLE #	COVER	PVMT THICKNESS	TYPE	MATERIAL
20	3'-3"	DIRT	WATER	

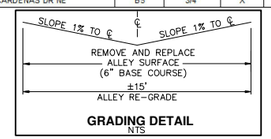
BUILD NOTES:

3. REMOVE & REPLACE RESIDENTIAL ASPHALT CONCRETE MATERIAL PER STANDARD DRAWING 2465.
5. REMOVE & REPLACE ALLEY SURFACE WITH 6-INCH BASE COURSE MATERIAL PER STANDARD DRAWING 2465.
10. GRADE AREA, WITH LESS THAN 2-FEET EXCAVATION PER DETAIL THIS SHEET AND STANDARD SPECIFICATION SECTION 301.
18. FURNISH & INSTALL 6-INCH WATERLINE PIPE INCLUDING TRENCH & COMPACTED BACKFILL (801.002).
20. REMOVE & DISPOSE EXISTING WATERLINE WITH FITTINGS (801.055).
22. NON-PRESSURIZED CONNECTION TO EXISTING WATERLINE (801.059). *PROPOSED CONNECTION CONFIGURATION IS FOR ESTIMATING PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY EXISTING PIPE CONFIGURATION, SIZE, TYPE, AND OTHER FIELD CONDITIONS IN ADVANCE OF CONSTRUCTION TO ESTABLISH CORRECT ADAPTERS AND FITTINGS. CONTRACTOR SHALL SHOW FINAL CONNECTION CONFIGURATION ON THE AS-BUILT DRAWINGS.*
23. FURNISH & INSTALL DUCTILE IRON MECHANICAL JOINT FITTINGS, CLASS 250 (801.002).
24. FURNISH & INSTALL 6-INCH GATE VALVE PER STANDARD DRAWING 2326 (801.081).
26. REMOVE & SALVAGE EXISTING GATE VALVE (801.102).
27. REMOVE & DISPOSE VALVE BOX (801.104).
28. FURNISH & INSTALL VALVE BOX PER STANDARD DRAWING 2326 (801.105).
29. FURNISH & INSTALL FIRE HYDRANT PER STANDARD DRAWING 2340 (801.113).
30. REMOVE & SALVAGE EXISTING FIRE HYDRANT (801.119).
37. TRENCH, BACKFILL, AND COMPACT 4-INCH TO 15-INCH SEWER PIPE, OVER 16-FEET IN DEPTH (701.040).
38. FURNISH & PLACE 8-INCH SEWER PIPE IN OPEN TRENCH (901.030).
40. REMOVE & DISPOSE SEWER LINE PER STANDARD DRAWING 2125 (901.710).
41. REINSTALL EXISTING 4-INCH SEWER SERVICE LINE TO REPLACEMENT MAIN, INCLUDING FIRST 5-FEET OF NEW SERVICE LINE, PER STANDARD DRAWING 2134 (905.200).
46. ADJUST EXISTING MANHOLE FRAME & COVER TO GRADE WITH METAL RINGS, 2-INCH OR LESS, PER STANDARD DRAWING 2111 (920.400).

WATER SERVICE LINE SCHEDULE

1. REPLACE AND TRANSFER ALL WATER SERVICE LINE(S) PER STANDARD DRAWING 2362.
2. RELOCATE EXISTING WATER METER(S) PER SCHEDULE BELOW AND PER STANDARD DRAWING 2362. *(EX. BOXES BEHIND WALL SHOULD BE RELOCATED TO ALLEY R/W)*
3. REHABILITATE WATER METER BOX(ES) PER SCHEDULE BELOW.
4. *ADJUST ALL METER BOXES TO NEW GRADE (INCIDENTAL TO METER RELOCATE AND REPLACEMENT.*

ADDRESS	LOCATION	SERVICE SIZE	REHAB	RELOCATE
2401 CAGUA DR NE	B6	3/4"	X	
2404 CARDENAS DR NE	B6	3/4"	X	X
2405 CAGUA DR NE	B6	3/4"	X	
2408 CARDENAS DR NE	B4	3/4"	X	
2409 CAGUA DR NE	B7	3/4"	X	
2413 CAGUA DR NE	B5	3/4"	X	
2414 CARDENAS DR NE	B4	3/4"	X	X
2417 CAGUA DR NE	B6	3/4"	X	
2418 CARDENAS DR NE	B5	3/4"	X	X
2421 CAGUA DR NE	B6	3/4"	X	
2424 CARDENAS DR NE	B4	3/4"	X	X
2425 CAGUA DR NE	B5	3/4"	X	
2429 CAGUA DR NE	B6	3/4"	X	
2430 CARDENAS DR NE	B4	3/4"	X	
2433 CAGUA DR NE	B6	3/4"	X	
2434 CARDENAS DR NE	B4	3/4"	X	
2437 CAGUA DR NE	B4	3/4"	X	
2438 CARDENAS DR NE	B4	3/4"	X	X
2442 CARDENAS DR NE	B5	3/4"	X	
2446 CARDENAS DR NE	B5	3/4"	X	
2503 CAGUA DR NE	B5	3/4"	X	
2504 CARDENAS DR NE	B5	3/4"	X	
2507 CAGUA DR NE	B5	3/4"	X	
2508 CARDENAS DR NE	B5	3/4"	X	
2513 CAGUA DR NE	B5	3/4"	X	
2514 CARDENAS DR NE	B5	3/4"	X	X



GRADING DETAIL
NTS

AS BUILT INFORMATION
CONTRACTOR
WORK INSPECTOR'S ACCEPTANCE BY — DATE
ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
DRAWINGS CORRECTED BY
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BENCH MARKS
COA CONTROL MONUMENT "18-H18"
N=1495167.654
E=1541177.063
ELEV=5232.741 NAVD 1988
NAD 1983 NEW MEXICO
STATE PLANE COORDINATES GROUND TO GRID
FACTOR= 0.999664864

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEERS SEAL
REBECCA C. FINK
NEW MEXICO
14232
REGISTERED PROFESSIONAL ENGINEER

RCF

NO.	DATE	REMARKS	BY
1	8/13/10	ADDENDUM	RCF

REVISIONS

DESIGN		
DESIGNED BY	RCF	DATE Jul 2010
DRAWN BY	MAC/VLH	DATE Jul 2010
CHECKED BY	FAC	DATE Jun 2010

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
SMALL DIAMETER WATER & SEWER REHABILITATION FY11
***PHASE 1**

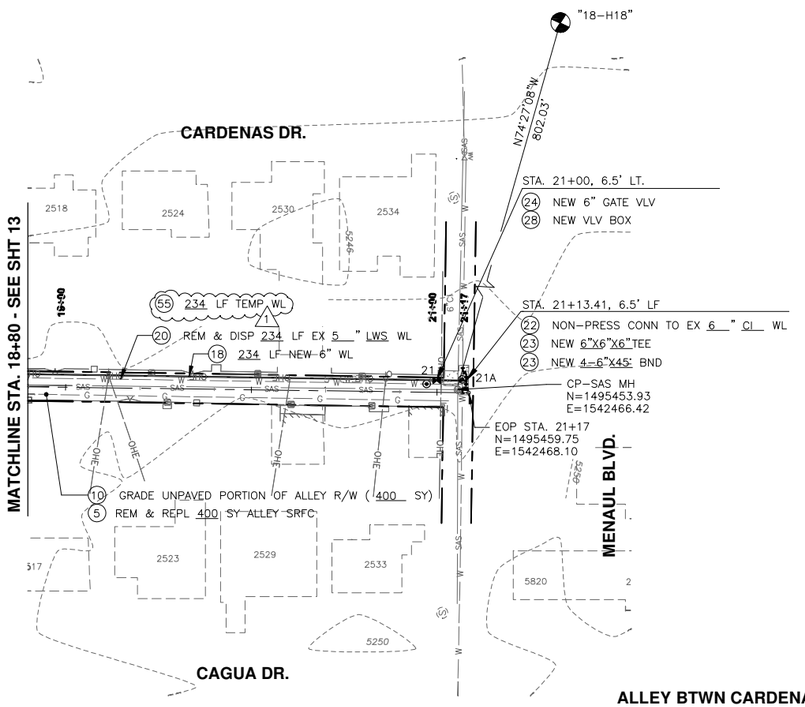
TITLE: **ALLEY BTWN CARDENAS DR. & CAGUA DR. STA. 10+00 TO STA. 18+80 FROM CUTLER TO ALLEY SOUTH OF MENAUL**

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

City Project No.	Zone Map No.	Sheet	Of
6312.92	H-18	13	48

O:\SEC - PROJECTS\2009 PROJECTS\109126 ABCWUA - SMALL DIAMETER\DRAWINGS\1\AUTOCAD\PLANSET\ALLEY BTWN CARDENAS DR & CAGUA DR STA 10+00 TO STA 18+80.DWG 8/2/10 3:26:22 PM

*PHASE 1



POTHOLE INFO. ⊙

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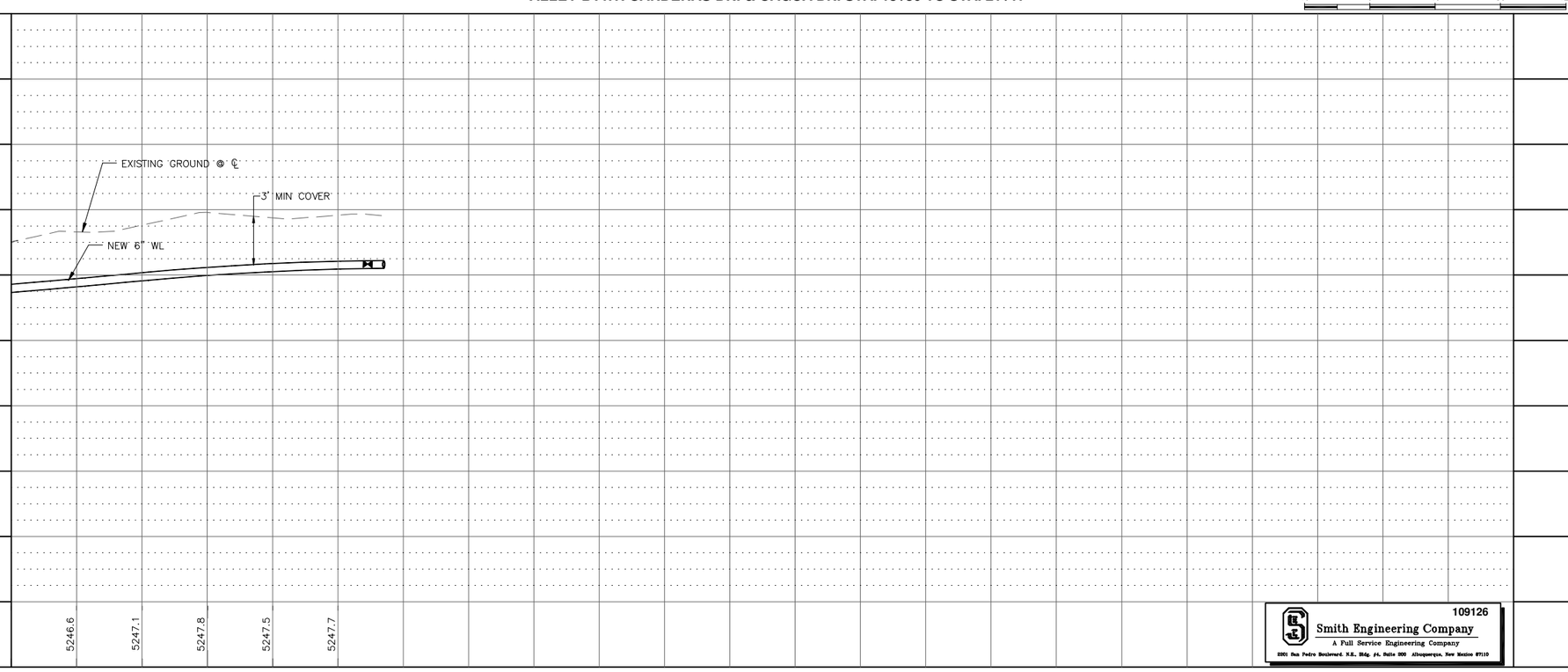
SCALE VERT: 1" = 4'

40 0 40 80 120

ALLEY BTWN CARDENAS DR. & CAGUA DR. STA. 18+80 TO STA. 21+17



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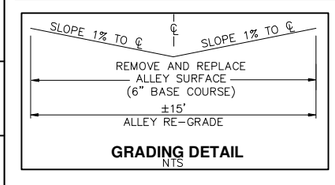
2518 CARDENAS DR NE	B4	3/4"	X	
2523 CAGUA DR NE	B8	3/4"	X	
2524 CARDENAS DR NE	B5	3/4"	X	
2529 CAGUA DR NE	B5	3/4"	X	
2530 CARDENAS DR NE	B5	3/4"	X	
2533 CAGUA DR NE	B5	3/4"	X	
2534 CARDENAS DR NE	B5	3/4"	X	



GRADING DETAIL
NTS

*PHASE 1

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO–FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
COA CONTROL MONUMENT "18–H18"
N=1495167.654
E=1541177.063
ELEV=5232.741 NAVD 1988
NAD 1983 NEW MEXICO
STATE PLANE COORDINATES GROUND TO GRID
FACTOR= 0.999664864

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEERS SEAL
REBECCA C. FINK
NEW MEXICO
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REGISTERED PROFESSIONAL ENGINEER

REVISIONS
NO. | DATE | REMARKS | BY
1 | 8/13/10 | ADDENDUM | RCF
DESIGN
DESIGNED BY RCF — DATE Jul 2010
DRAWN BY MAC/VLH — DATE Jul 2010
CHECKED BY FAC — DATE Jun 2010

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
SMALL DIAMETER WATER & SEWER REHABILITATION FY11

TITLE: **ALLEY BTWN CARDENAS DR. & CAGUA DR. STA. 18+80 TO STA. 21+17 FROM CUTLER TO ALLEY SOUTH OF MENAUL**

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

City Project No. 6312.92 | Zone Map No. H-18 | Sheet 14 Of 48

Q:\SEC—PROJECTS\2009 PROJECTS\109126 ABCWUA - SMALL DIAMETER\DRAWINGS\11\AUTOCAD\PLANSET\ALLEY BTWN CARDENAS DR. & CAGUA DR. STA 18+80 TO STA 21+17.DWG 7/28/10 7:28:01 AM