



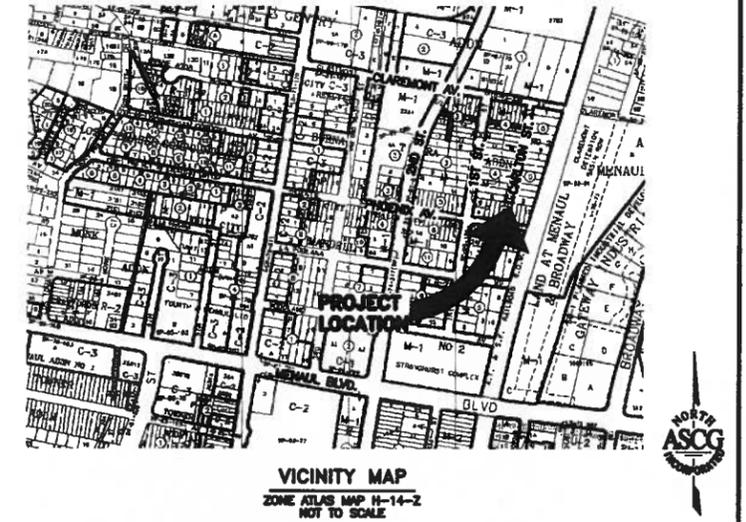
CITY OF ALBUQUERQUE  
CONSTRUCTION PLANS  
FOR

**CARLTON STREET  
STORM DRAIN EXTENSION  
COA PROJECT 7396.03**

JUNE 2009

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- 4 WATERLINE RELOCATION AND SHUT-OFF DETAIL



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REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
DRC Chairman					APPROVED FOR CONSTRUCTION		
Transportation							
Water/Wastewater							
Hydrology							
Parks & Recreation					City Engineer		
CIP					Date		
City Project No.		7396.03		Sheet		of	
				1		4	



**GENERAL NOTES**

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS (INCLUDING SERVICE LINE CONNECTIONS) AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES. THE HORIZONTAL AND VERTICAL LOCATIONS OF THE EXISTING WATERLINE, GAS LINE, AND SERVICE LINES SHOWN ON THIS PLAN ARE APPROXIMATE.
2. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL EXISTING UTILITY LINES.

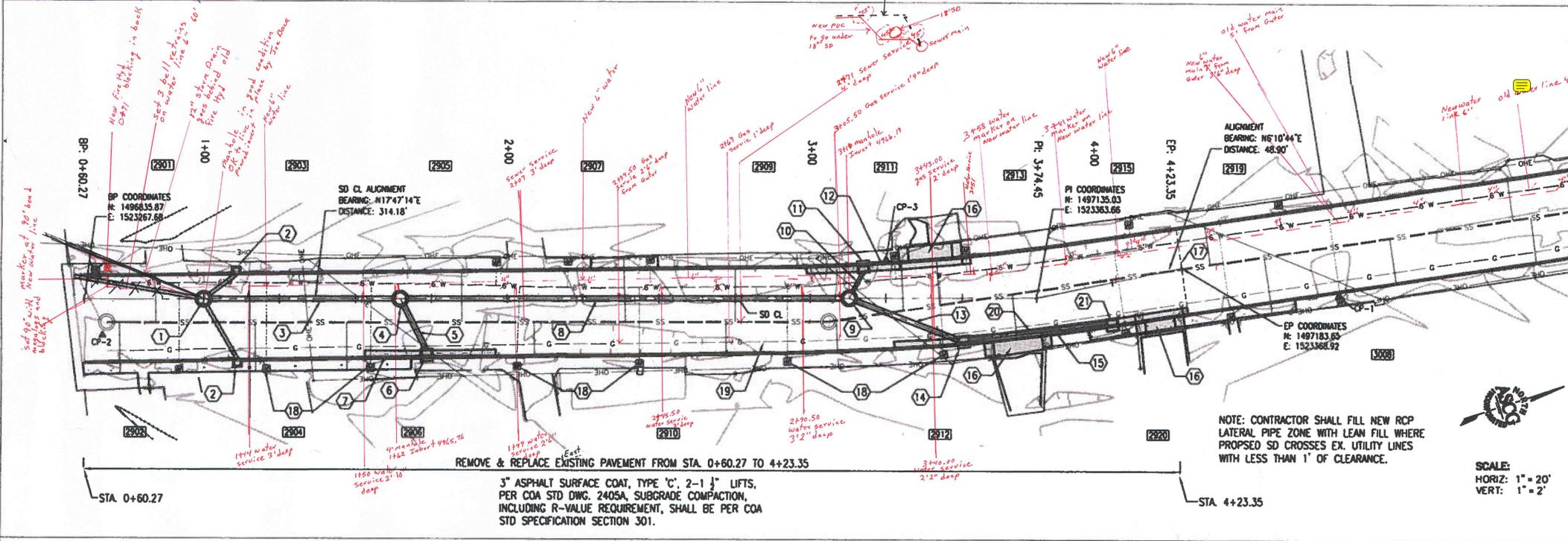
**STORM DRAINAGE NOTES**

1. CONTRACTOR SHALL FIELD ADJUST VERTICAL LOCATION OF PROPOSED STORM INLETS AND CURB & GUTTER SLOPES BASED ON EXISTING CONDITIONS TO ACHIEVE SWAMP CONDITIONS FOR ALL STORM INLETS. GRADE ELEVATIONS SHOWN ARE APPROXIMATE.

**KEYED NOTES**

1. REMOVE & REPLACE EXISTING MH. BUILD 1'-4" DIA. TYPE "C" MH PER COA STD DWG. 2101. THE TO EX. 12" RCP SD & RCP LATERALS. N: 1496835.87 E: 1523267.68
2. EXISTING STORM INLETS AND LATERALS TO REMAIN.
3. BUILD 64.66 LF OF 18" CLASS III RCP STORM DRAIN.
4. BUILD 1'-4" DIA. TYPE "C" MH PER COA STD DWG. 2101. N: 1496835.27 E: 1523299.57
5. BUILD 19.14 LF OF 18" CLASS III RCP STORM DRAIN @ S=2.0%.
6. STA. 1+73.42, 19.11 RT (@ FLOW LINE) BUILD 1'-TYPE "C" STORM INLET PER COA STD DWG. 2205. STORM INLET GRATE PER COA STD DWG. 2220. GRATE EL. = 4969.70± INV. = 4966.13 SEE DETAIL "A" THIS SHEET.
7. REMOVE & REPLACE EX. CURB & GUTTER. BUILD NEW STD. CURB & GUTTER PER COA STD DWG. 2415A. SEE DETAIL "A" THIS SHEET.
8. BUILD 148.21 LF OF 18" CLASS III RCP STORM DRAIN.
9. BUILD 1'-4" DIA. TYPE "C" MH PER COA STD DWG. 2101. N: 1497076.39 E: 1523344.84
10. BUILD 10.0 LF OF 12" CLASS III RCP STORM DRAIN @ S=2.0%. SEE DETAIL 1, SHEET 4.
11. STA. 3+17.51, 10.89 LT (@ FLOW LINE) BUILD 1'-TYPE "C" STORM INLET PER COA STD DWG. 2205. STORM INLET GRATE PER COA STD DWG. 2220. GRATE EL. = 4969.95± INV. = 4966.79± SEE DETAIL "B" THIS SHEET.
12. REMOVE & REPLACE EX. CURB & GUTTER. BUILD NEW STD. CURB & GUTTER PER COA STD DWG. 2415A. SEE DETAIL "B" THIS SHEET.
13. BUILD 38.60 LF OF 18" CLASS III RCP STORM DRAIN @ S=0.5%.
14. STA. 3+50.60, 14.89 RT (@ FLOW LINE) BUILD 1'-TYPE "C" STORM INLET PER COA STD DWG. 2205. STORM INLET GRATE PER COA STD DWG. 2220. GRATE EL. = 4970.32± INV. (W) = 4967.08±, INV. (N) = 4967.18± SEE DETAIL "C" THIS SHEET.
15. REMOVE & REPLACE EX. CURB & GUTTER. BUILD NEW STD. CURB & GUTTER PER COA STD DWG. 2415A. SEE DETAIL "C" THIS SHEET.
16. REMOVE & REPLACE CONCRETE DRIVEPAD WITH ADA ACCESSIBLE RAMP PER DETAIL 3. SHEET 4. COORDINATE WITH HOME OWNER.
17. SAWCUT ASPHALT PAVEMENT.
18. RELOCATE SERVICE LINE AT WATERLINE AS REQUIRED PER COA STD DWG. 2363. HORIZONTAL AND VERTICAL LOCATION OF WATERLINE SHOWN ON PLAN IS APPROXIMATE. ALL SERVICE LINE REPLACEMENT SHALL BE FULL LENGTH NEW LINE, NO SPLICES ALLOWED.
19. COORDINATE GAS LINE RELOCATION WITH PNM AS REQUIRED.
20. BUILD 46.24 LF OF 12" CLASS III RCP STORM DRAIN @ S=0.5%.
21. STA. 3+97.33, 14.13 RT (@ FLOW LINE) BUILD 1'-TYPE "C" STORM INLET PER COA STD DWG. 2205. STORM INLET GRATE PER COA STD DWG. 2220. GRATE EL. = 4970.24± INV. = 4967.41 SEE DETAIL "C" THIS SHEET.

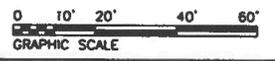
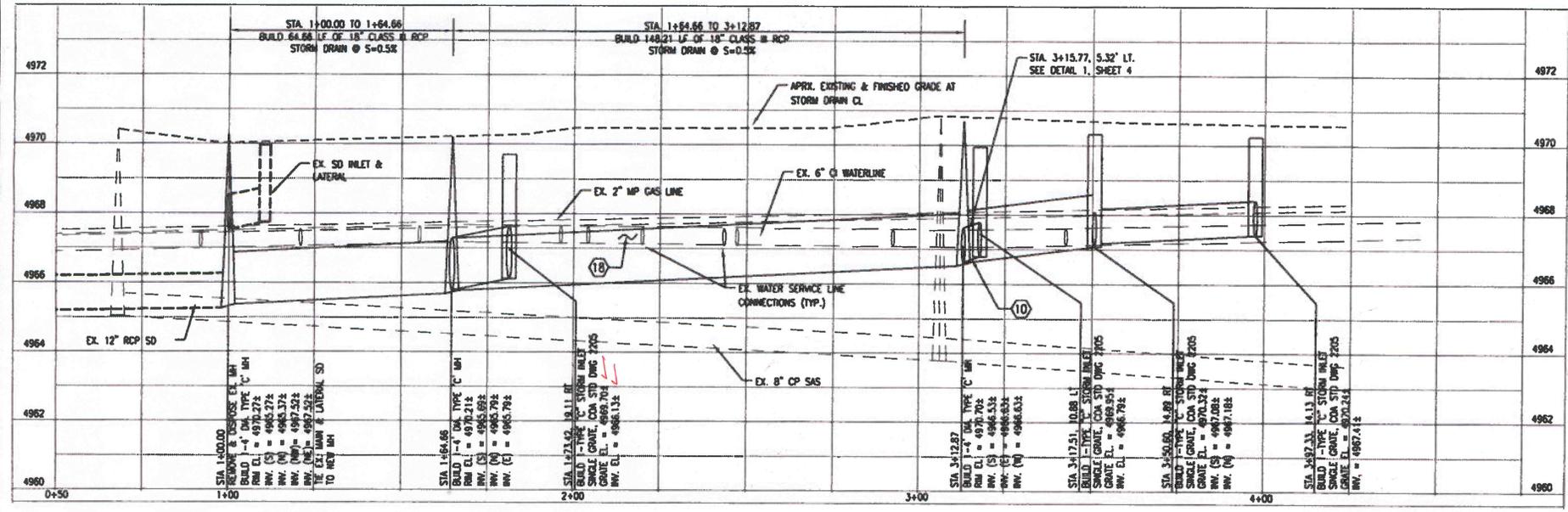
SCALE:  
HORIZ: 1" = 20'  
VERT: 1" = 2'



REMOVE & REPLACE EXISTING PAVEMENT FROM STA. 0+60.27 TO 4+23.35

3" ASPHALT SURFACE COAT, TYPE "C", 2-1 1/2" LIFTS, PER COA STD DWG. 2405A. SUBGRADE COMPACTION, INCLUDING R-VALUE REQUIREMENT, SHALL BE PER COA STD SPECIFICATION SECTION 301.

**CARLTON STREET**

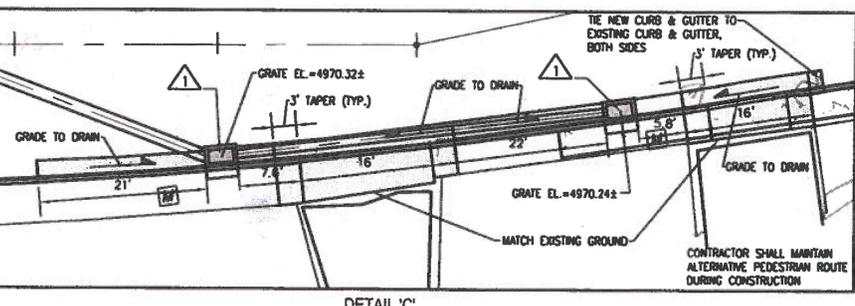
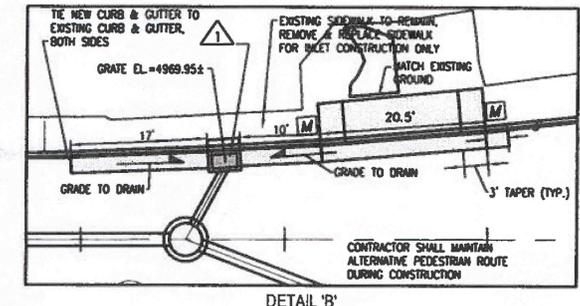
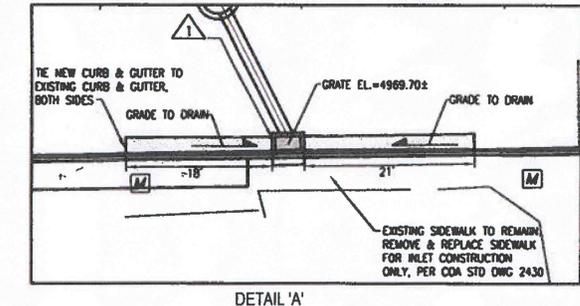


**CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT**

TITLE: **STORM DRAIN PLAN & PROFILE**

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

City Project No. **7396.03** Zone Map No. **H-14-Z** Sheet **3** Of **4**

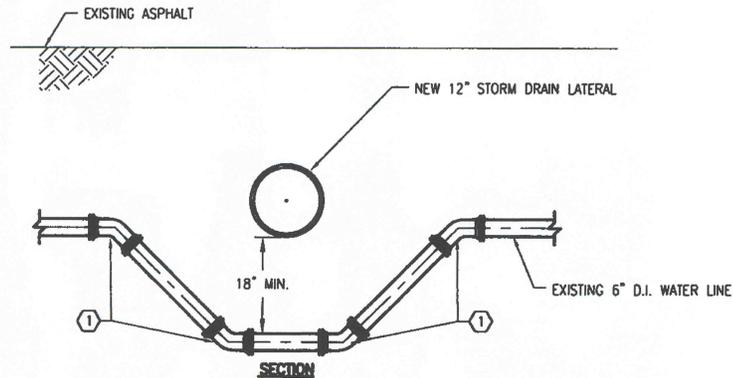


**GENERAL NOTES (DETAIL 1)**

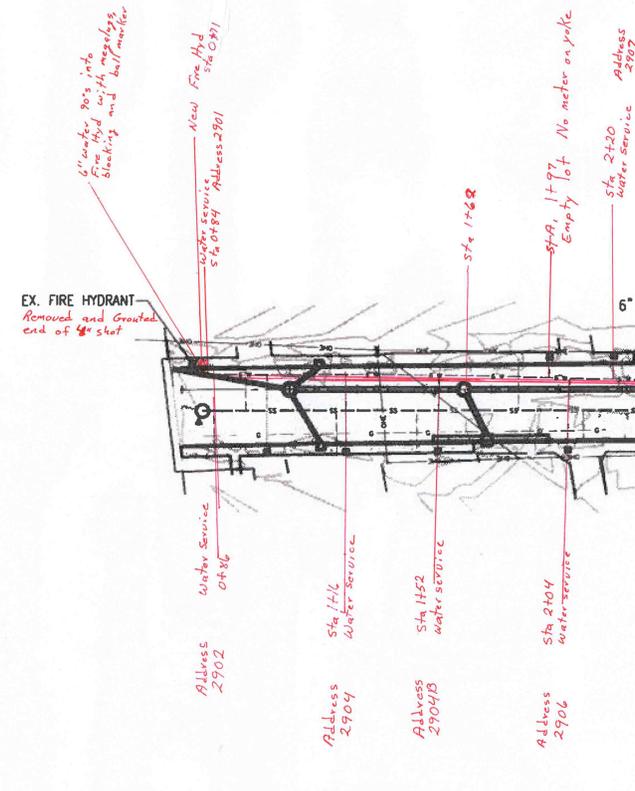
1. PROVIDE MINIMUM 18" CLEARANCE BETWEEN NEW STORM DRAIN LATERAL AND RELOCATED 6" WATERLINE. THE 6" WATERLINE SHALL BE RELOCATED AND INSTALLED BENEATH THE NEW STORM DRAIN LATERAL AS SHOWN IN THIS DETAIL.
2. RESTRAIN ALL JOINTS USED IN WATERLINE RELOCATION.
3. INSTALL ELECTRONIC MARKER SPHERES OVER NEW WATER LINE 45 DEGREE BENDS.
4. ALL WORK SHALL ADHERE TO C.O.A. STD. SPEC. 801.

**KEYED NOTES (DETAIL 1)**

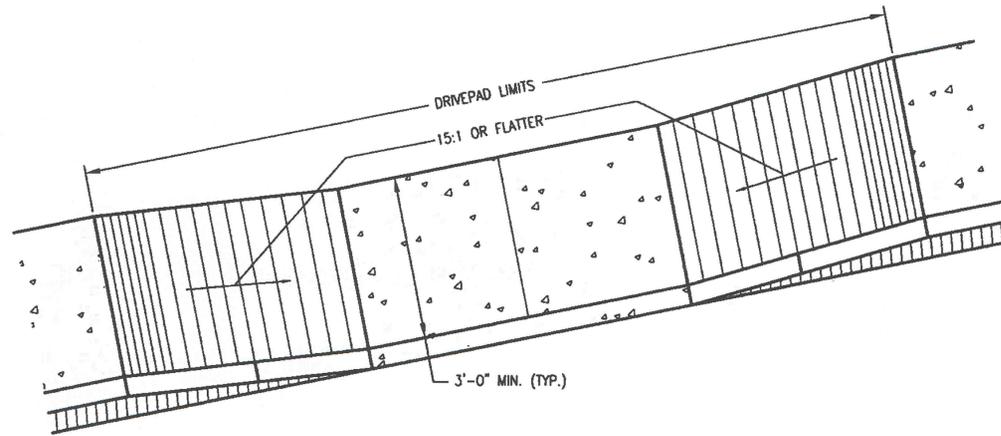
1. 1~45 DEGREE VERTICAL BEND (M.J). RESTRAIN ALL JOINTS AS REQUIRED BY PIPE SIZE, AND TEST PRESSURE.



**1** STA. 3+15.77, 5.32' LT.  
**6" D.I. WATERLINE RELOCATION DETAIL**  
SCALE: NTS



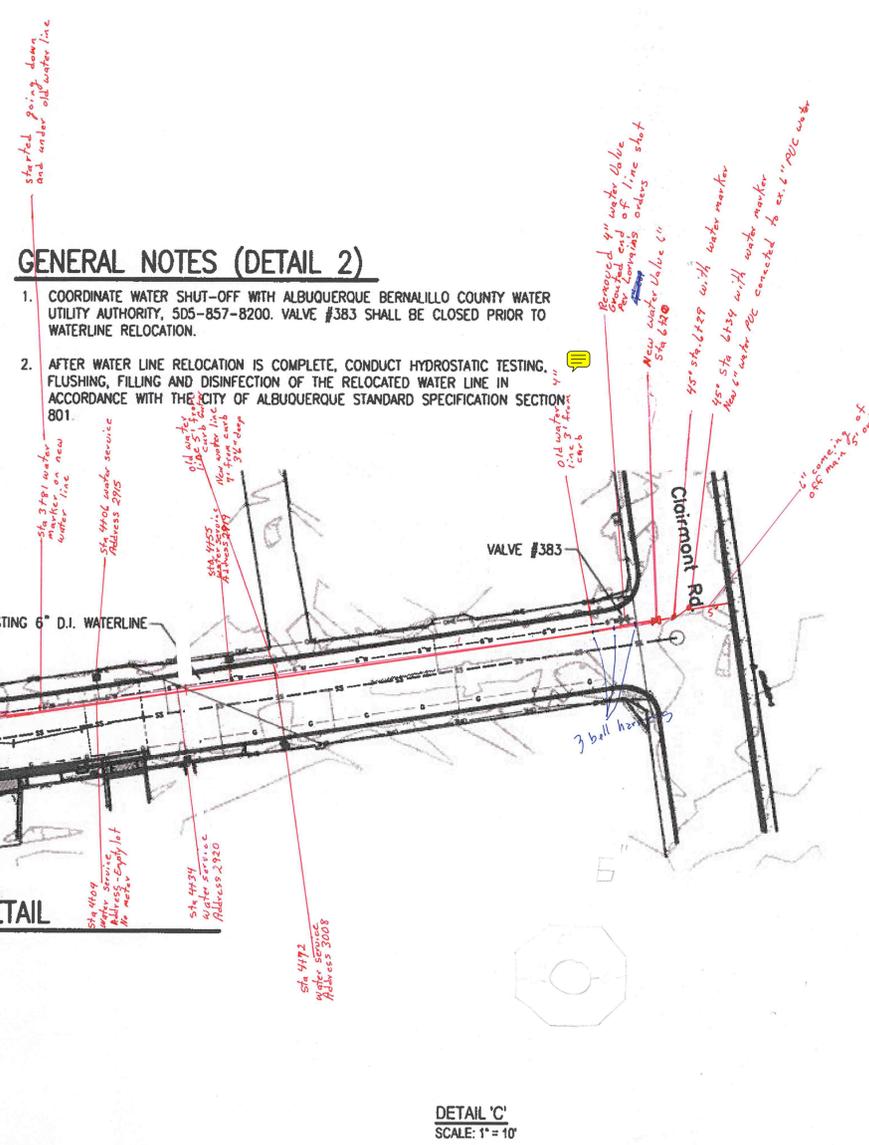
**2** WATER SHUT-OFF DETAIL  
SCALE: NTS



**3** DRIVEPAD DETAIL- RAMP SIDEWALK  
SCALE: NTS

**GENERAL NOTES (DETAIL 2)**

1. COORDINATE WATER SHUT-OFF WITH ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY, 505-857-8200. VALVE #383 SHALL BE CLOSED PRIOR TO WATERLINE RELOCATION.
2. AFTER WATER LINE RELOCATION IS COMPLETE, CONDUCT HYDROSTATIC TESTING, FLUSHING, FILLING AND DISINFECTION OF THE RELOCATED WATER LINE IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATION SECTION 801.



DETAIL 'C'  
SCALE: 1" = 10'



CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

TITLE:  
**WATERLINE RELOCATION AND SHUT-OFF DETAIL**

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of
7396.03	H-14-Z	4	4

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	BENCH MARK DATA CONSISTS OF PUBLISHED A.C.S. MONUMENT INFORMATION AND IS SHOWN ON SHEET G-1.	DATE	NO.	BY	NO.	DATE
DESIGNED BY	DATE	(NEW MEXICO STATE PLANE CENTRAL ZONE, NAD 83, NAVD 1988)	DATE				
PERFORMED BY	DATE		DATE				
CHECKED BY	DATE		DATE				
RECORDED BY	DATE		DATE				
NO.							