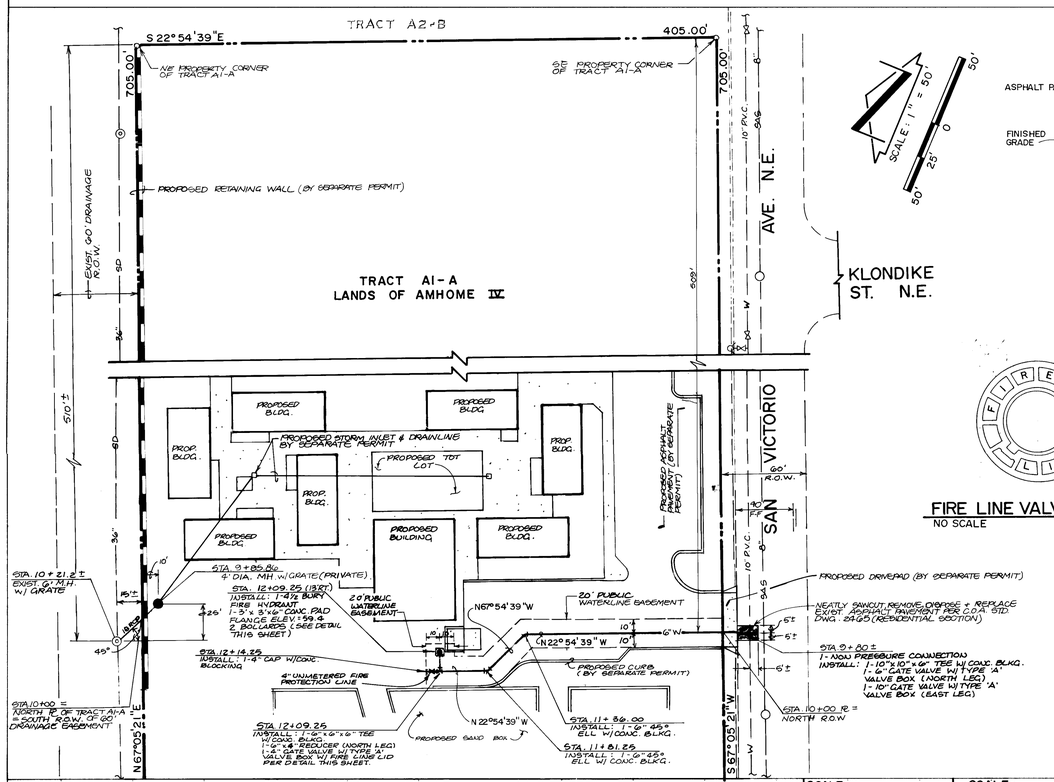
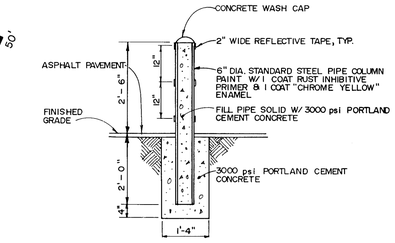
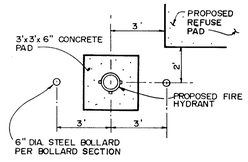



## BOLLARD SECTION

SCALE : 1" = 2'

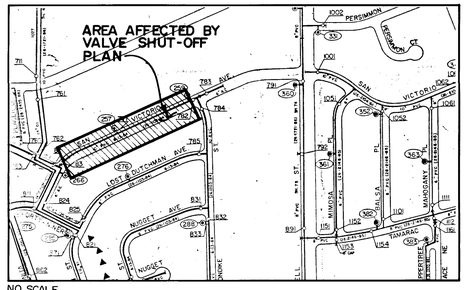



## FIRE HYDRANT DETAIL

SCALE : 1" = 4'

## FIRE LINE VALVE BOX LID

NO SCALE




NO SCALE

## VALVE SHUT-OFF PLAN

NOTE: 1. CLOSE VALVES 83 AND 782 AS SHOWN IN THE CITY OF ALBUQ. WATER RESOURCES DEPT. WATER DISTRIBUTION SYSTEM SECTIONAL MAPS FOR NOW-PRESSURE CONNECTION.

2. CONTRACTOR SHALL COORDINATE THE VALVE SHUT-OFF EXECUTION WITH THE WATER SYSTEMS DIVISION (823-4200) TWO (2) WORKING DAYS PRIOR TO INITIATING ANY WORK THAT MAY AFFECT THE EXISTING WATER UTILITIES.

### WATERLINE NOTES:

10. ALL STATIONING IS BASED ON WATERLINE CENTERLINE UNLESS INDICATED OTHERWISE.

11. THE CONTRACTOR SHALL FURNISH ELECTRONIC MARKER DISKS (EMD) ON ALL WATER SERVICE STUBS, CAPS AND PLUGS.

12. WATER MAIN SHALL BE PVC C-900 PIPE OR AS APPROVED BY THE CITY OF ALBUQUERQUE WATER RESOURCES DIVISION.

13. WATER LINE SHALL HAVE A MINIMUM COVER OF 4'0" (TOP OF ASPHALT PAVEMENT TO TOP OF PIPE).

14. ALL PIPE SHALL BE FURNISHED WITH CLASS 'C' BEDDING UNLESS OTHERWISE NOTED. ALL TRENCH BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 90% OF OPTIMUM, AS PER ASTM D 1557.

15. WHERE SEWER AND WATER LINES CROSS, IF VERTICAL CLEARANCE DOES NOT EXCEED 1'6", THE SEWER LINE SHALL BE CONCRETE ENCASED 10' EACH SIDE OF WATER LINE.

16. FIRE HYDRANTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD DRAWING 2340.

17. CONTRACTOR SHALL REMOVE AND REPLACE EXISTING PAVING FOR CITY-WIDE PAVEMENT CUTS FOR ALL UTILITIES AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2465.

18. VALVE BOXES SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD DRAWING 2325.

19. THE CONTRACTOR SHALL PROVIDE ALL RESTRAINTS AND THRUST BLOCKS NECESSARY TO EFFECT THE NECESSARY SHUTOFFS AND CONNECTIONS.

### STORM SEWER:

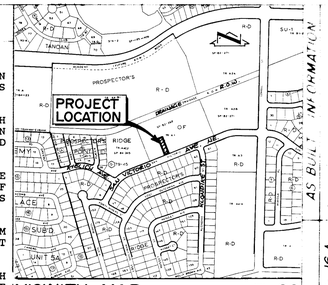
20. STATIONING BASED UPON 18" RCP CENTERLINE UNLESS INDICATED OTHERWISE.

21. MANHOLE SHALL BE 4 FOOT TYPE 'E' AS INDICATED AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2104.

22. GRATE AND FRAME TO MANHOLE SHALL BE NEENAH HEAVY DUTY FRAME AND GRATE. CATALOG NO. R6120 OR APPROVED EQUAL.

23. ALL RCP SHALL BE A.S.T.M. CLASS IV.

24. CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING STORM DRAIN SYSTEM AND UTILITIES.




## VICINITY MAP

SCALE : 1" = 800'

E-22

### GENERAL NOTES:

1. 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 - PUBLIC WORKS CONSTRUCTION - 1986.

2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.

3. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.

4. SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.

5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.

6. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.

7. THE CONTRACTOR MUST SUBMIT A CONSTRUCTION SIGNING AND BARRICADING PLAN TO TRAFFIC ENGINEERING TO RECEIVE A BARRICADING PERMIT 48 HOURS PRIOR TO CONSTRUCTION.

8. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.

9. BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.

### BENCH MARKS

AS BUILT INFORMATION

THE STATION, STAMPED "ACS. 5-E22 1985", IS A 3¼ ALUMINUM CAP SET FLUSH IN THE TOP OF THE CURB ON THE SOUTH SIDE OF KLEICH AVE. N.E. APPROXIMATELY 106.5 FEET FROM THE CENTER-LINE OF SAN VICTORIO N.E. ELEVATION=5835.73 FEET (M.S.L.D.)

SURVEY INFORMATION

FIELD NOTES BY: MICHAEL W. [illegible] DATE: [illegible]

NO. BY DATE REMARKS

REVISIONS

DESIGN L.P.U. DATE

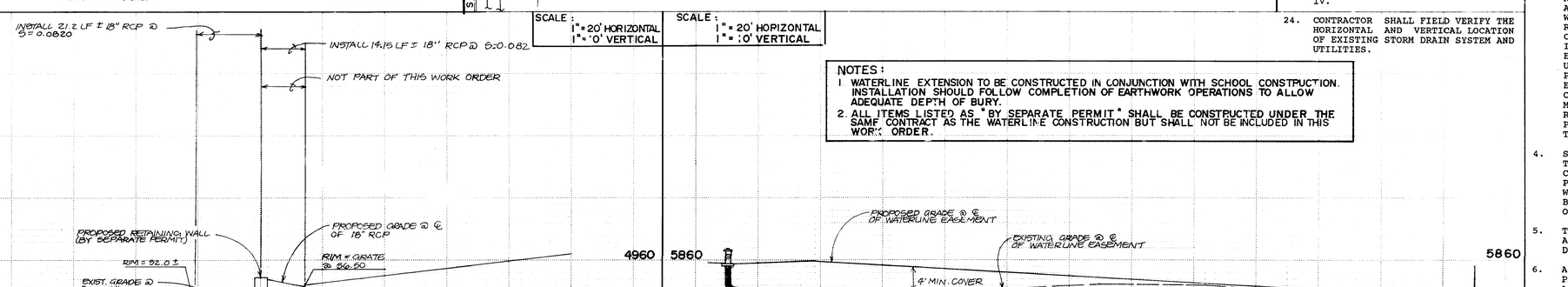
R.A.R. DATE

J.G.M. DATE

ENGINEER'S SEAL

STEPHEN G. MORTENSEN NEW MEXICO 8447 REGISTERED PROFESSIONAL ENGINEER

12-20-88




### NOTES:

1. WATERLINE EXTENSION TO BE CONSTRUCTED IN CONJUNCTION WITH SCHOOL CONSTPUCTION. INSTALLATION SHOULD FOLLOW COMPLETION OF EARTHWORK OPERATIONS TO ALLOW ADEQUATE DEPTH OF BURY.
2. ALL ITEMS LISTED AS " BY SEPARATE PERMIT " SHALL BE CONSTRUCTED UNDER THE SAME CONTRACT AS THE WATERLINE CONSTRUCTION BUT SHALL NOT BE INCLUDED IN THIS WORK ORDER.

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Russell Brito
DATE 6-6-97

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE

SAN VICTORIO ELEMENTARY SCHOOL
WATERLINE & STORM DRAIN EXTENSIONS

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | | Parks & Recreation | | |
| A.C.E. Design | | 12-29-88 | A.C.E. Traffic Engr. | | |
| A.C.E. Hydrology | N/A | | Water | | 1/23/89 |
| | | | Water | | 1/23/89 |

J.M.A. JOB NO. 871864

Walter W. Anderson Jr. 1/11/89

DRAWING NO 3706 | MAP NO E-22 | SHEET C1.5A | OF

26-3706 0197