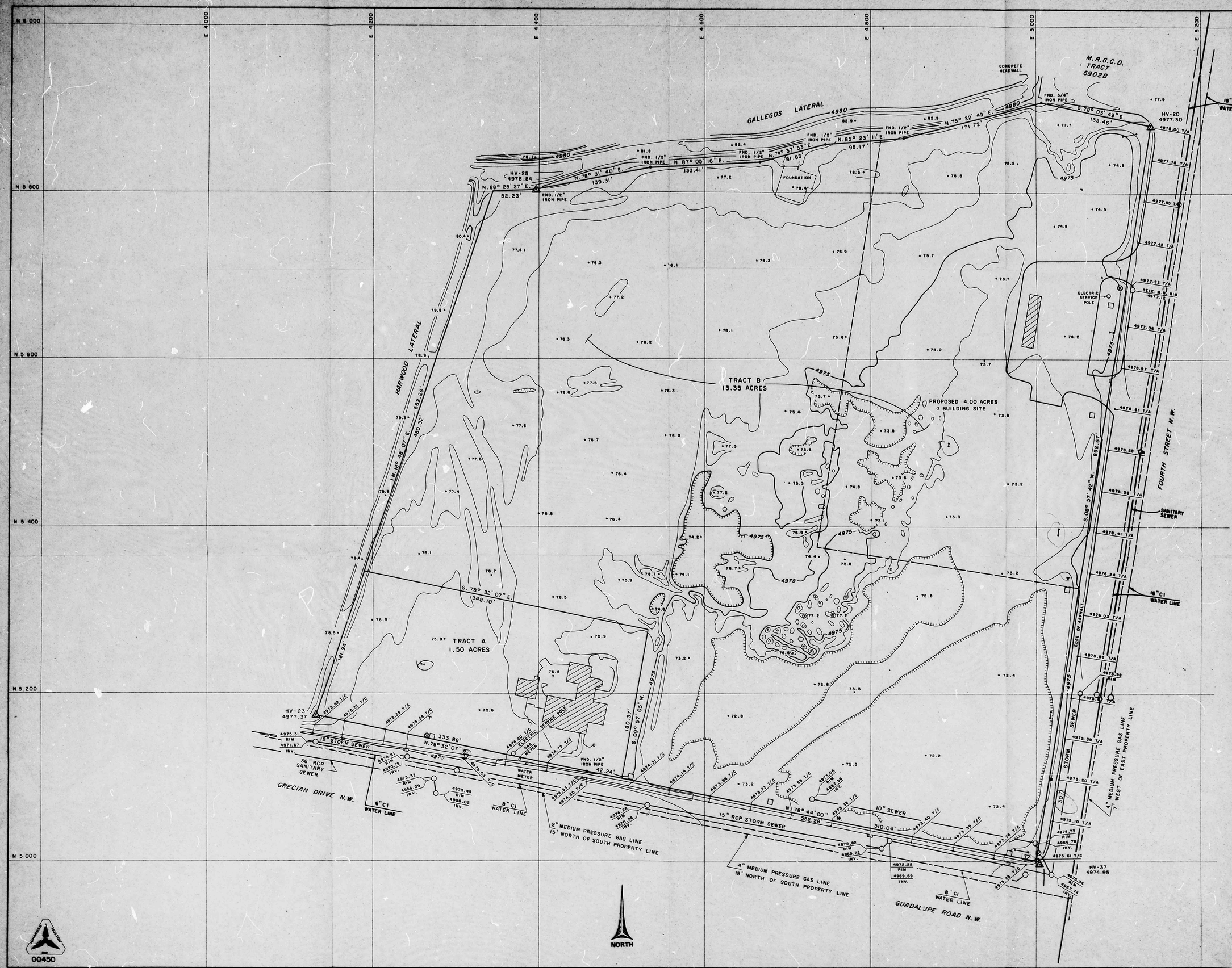
HYDROLOGY E14/D3 GUADALUPE PLAZA

E14/D3

GUADALUPE PLAZA

2 PLANS




# TOPOGRAPHIC MAP OF GUADALUPE PLAZA

(FILED APRIL 27, 1977)

ALBUQUERQUE, NEW MEXICO

SCALE: 1" = 50' APRIL, 1980

AMENDED: AUGUST 1980

LEGEND

- 4975 — INDEX CONTOUR
- INTERMEDIATE CONTOUR
- DEPRESSION CONTOUR
- • 75.7 — SPOT ELEVATION
- PAVED ROAD
- BUILDING
- HORIZONTAL – VERTICAL CONTROL POINT
- T/A — TOP OF ASPHALT
- T/C — TOP OF CURB
- TELEPHONE BOX
- GUY DOWN
- POWER POLE
- DRAIN INLET
- FIRE HYDRANT
- WATER VALVE
- SIGN
- STORM OR SANITARY SEWER MANHOLE

NOTES:

1. BEARINGS ARE PLAT BEARINGS.
2. DISTANCES ARE GROUND DISTANCES.
3. NUMBER 5 REBAR WITH PLASTIC CAP MARKED PE & LS NO. 2455 WERE SET ON CORNERS DESIGNATED BY A SMALL SOLID CIRCLE.
4. ELEVATIONS BASED ON ALBUQUERQUE CITY DATUM.
5. LOCATION OF GAS LINES DESIGNATED, ARE PLOTTED BY INFORMATION RECEIVED FROM RESPECTIVE COMPANIES.
6. ZONE ATLAS E-14 & F-14.

I, UNDER THE LAWS OF NEW MEXICO, CERTIFY THAT I AM A REGISTERED LAND SURVEYOR AND THAT THIS PLAT WAS PREPARED BY ME OR UNDER MY DIRECTION AND THAT THE SAME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

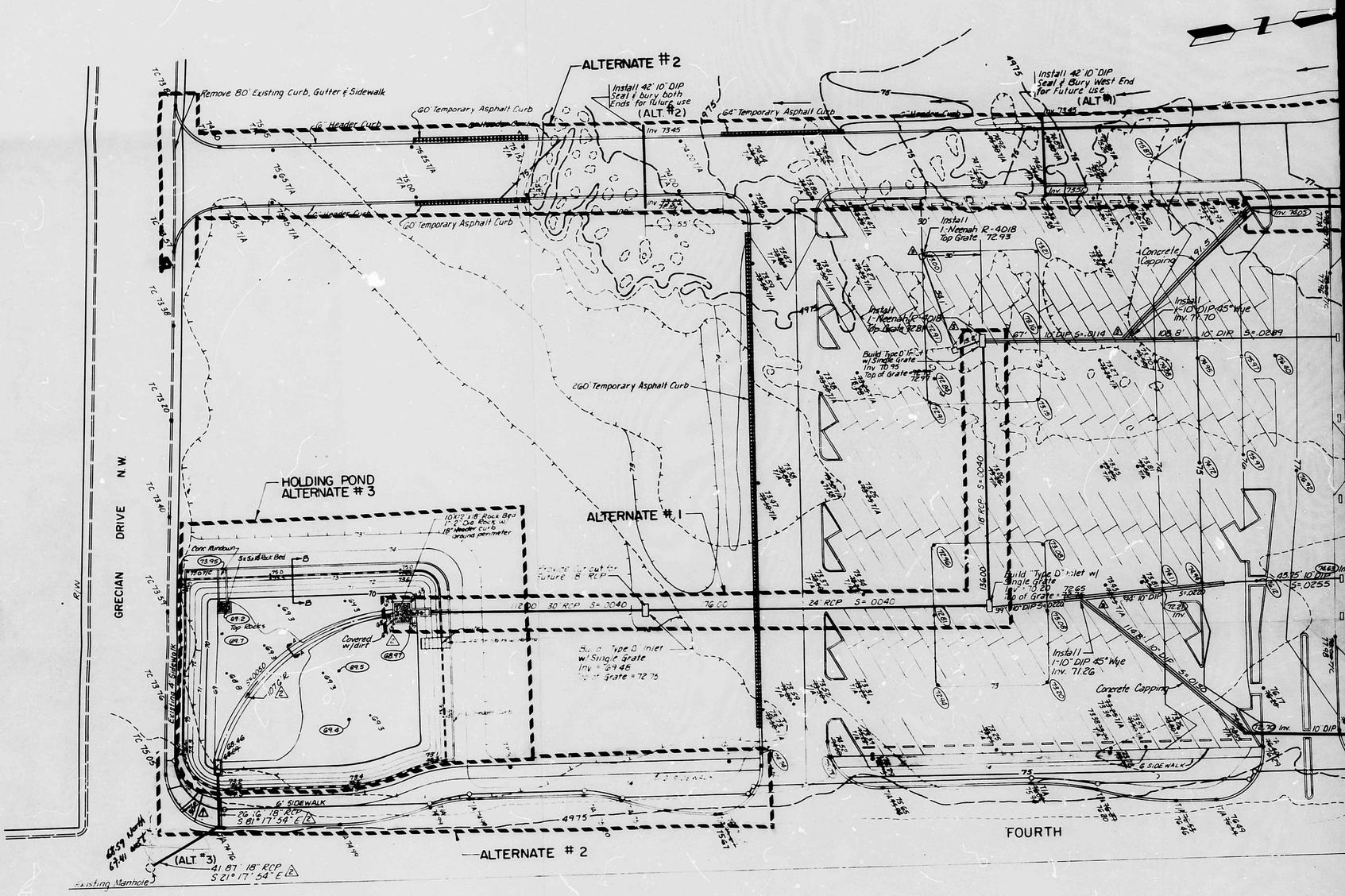
A. Dwain Weaver

A. DWAIN WEAVER
PROFESSIONAL LAND SURVEYOR
NEW MEXICO REGISTRATION NO. 6544

A. DWAIN WEAVER NEW MEXICO 6544 REGISTERED LAND SURVEYOR

E14/D3

00450




GR

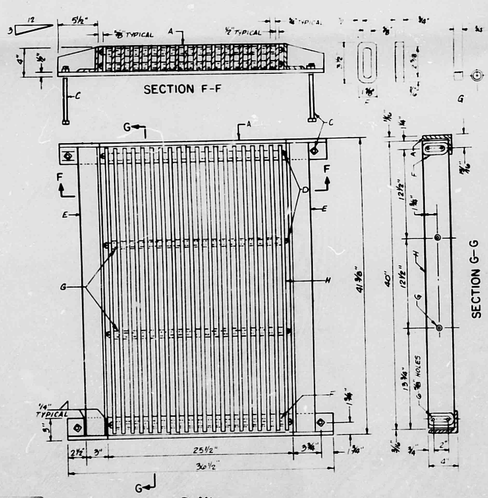
GENERAL NOTES

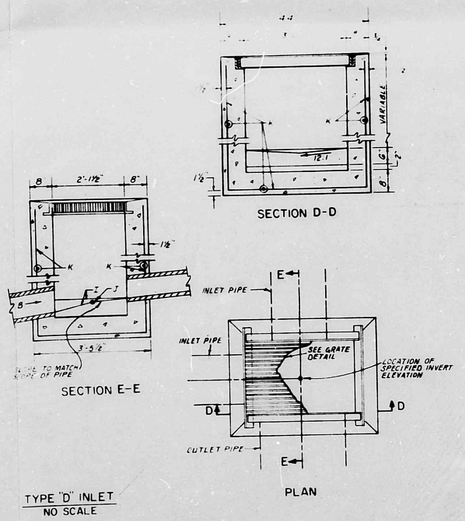
1. ALL SPECIFIED METAL PARTS SHALL BE PAINTED FOR PROTECTION AGAINST ATMOSPHERIC CORROSION. MACHINE AND DRILLING SHALL BE DONE BEFORE PAINTING. ALL DIMENSIONS ARE FINISHED DIMENSIONS.
2. WITH ABOVE EXCEPTIONS, MATERIALS MAY BE HELD TIGHT BY PENNING THEM ON THEIR SURFACE WITH BOLTS OR TACK WELDS.
3. ALL PARTS SHALL BE STRUCTURAL GRADE STEEL EXCEPT WHERE MAY BE OTHERWISE LISTED.
4. ANY DAMAGE TO PAINTING SHALL BE REPAIRED ACCORDING TO NOTE 5.
5. AFTER CLEANING SURFACE TO BE MUST BE PAINTED WITH ONE SHOP COAT RED OXIDE TWO FINISH COATS ALUMINUM PAINT (ASHCO MIX).

CONSTRUCTION NOTES

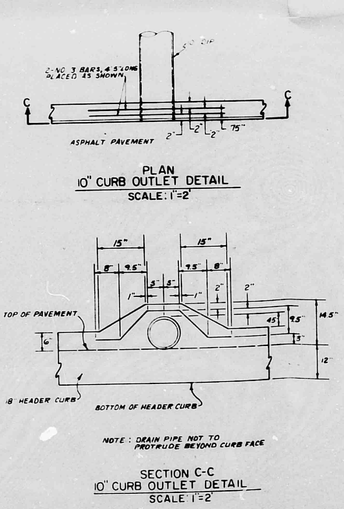
A - A
SCALE 1" = 2'

B - B
SCALE 1" = 5'



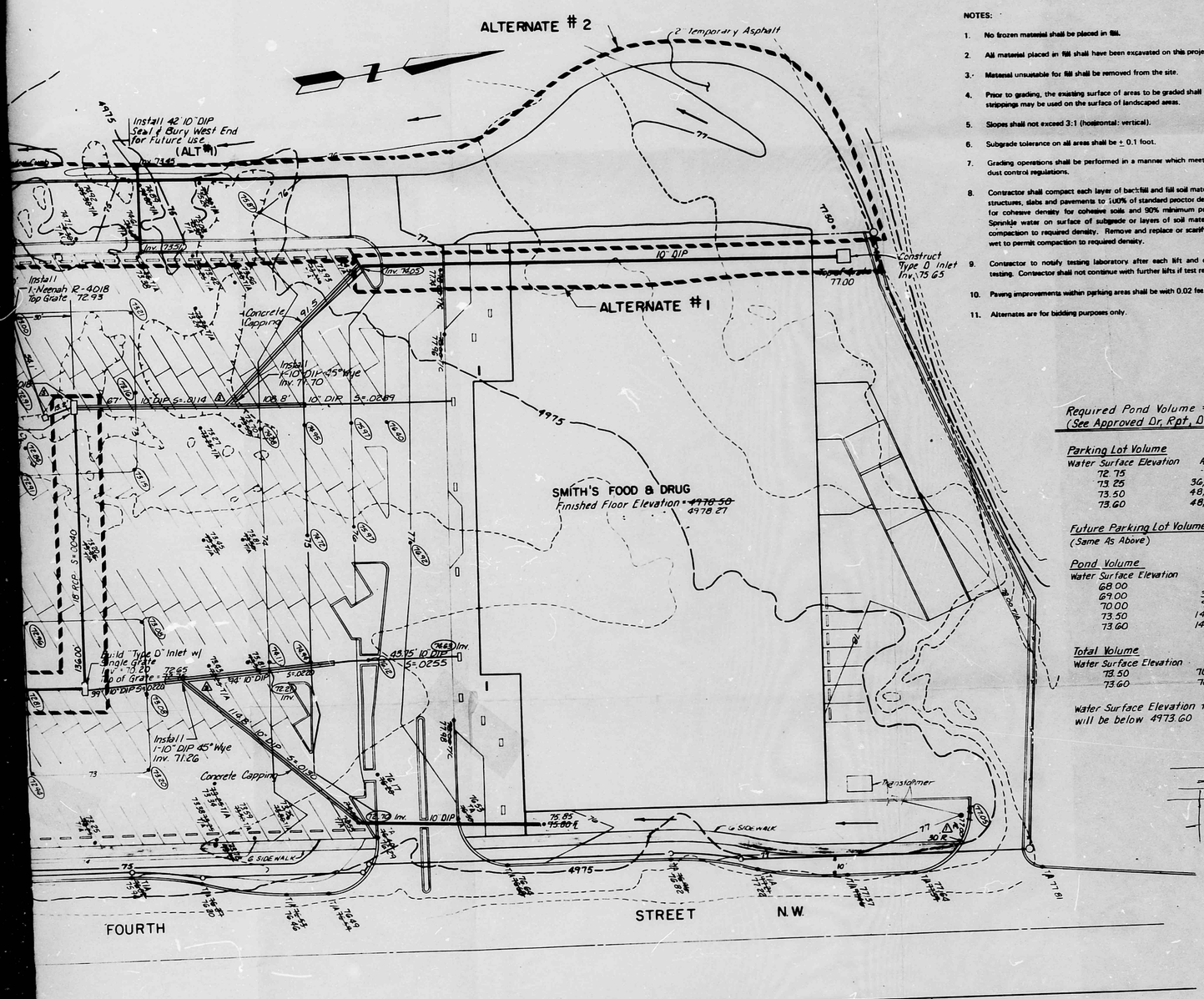

TYPE "D" INLET
NO SCALE




PLAN
10" CURB OUTLET DETAIL
SCALE: 1"=2'

SECTION C-C
10" CURB OUTLET DETAIL
SCALE 1"=2'

CITY OF ALBUQUERQUE
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT




NOTES:

1. No frozen material shall be placed in fill.
2. All material placed in fill shall have been excavated on this project or from an approved borrow area.
3. Material unsuitable for fill shall be removed from the site.
4. Prior to grading, the existing surface of areas to be graded shall be stripped of organic matter. These strippings may be used on the surface of landscaped areas.
5. Slopes shall not exceed 3:1 (horizontal: vertical).
6. Subgrade tolerance on all areas shall be ± 0.1 foot.
7. Grading operations shall be performed in a manner which meets all current City, State and Federal dust control regulations.
8. Contractor shall compact each layer of backfill and fill soil materials and the top 12" of subgrade for structures, slabs and pavements to 100% of standard proctor density with optimum moisture control for cohesive density for cohesive soils and 90% minimum proctor density for cohesionless soils. Sprinkle water on surface of subgrade or layers of soil material where soil is too dry to permit compaction to required density. Remove and replace or scarify and air dry soil material that is too wet to permit compaction to required density.
9. Contractor to notify testing laboratory after each lift and compaction and make provisions for testing. Contractor shall not continue with further lifts if test results are unsatisfactory.
10. Paving improvements within parking areas shall be with 0.02 feet of design grades.
11. Alternates are for bidding purposes only.

Required Pond Volume = 91269 cf
(See Approved Dr. Rpt, December 1982)

Parking Lot Volume

| Water Surface Elevation | Area | Total Volume |
|---|---|---|
| 72.75 | -0- | -0- |
| 73.25 | 36,000 | 9,000 |
| 73.50 | 48,000 | 19,500 |
| 73.60 | 48,000 | 24,300 |

Future Parking Lot Volume
(Same As Above)

Pond Volume

| Water Surface Elevation | Area | Total Volume |
|---|---|---|
| 68.00 | -0- | -0- |
| 69.00 | 3,150 | 1,575 |
| 70.00 | 9,855 | 8,078 |
| 73.50 | 14,666 | 50,990 |
| 73.60 | 14,666 | 52,457 |

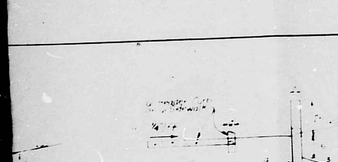
Total Volume

| Water Surface Elevation | Area | Total Volume |
|---|---|---|
| 73.50 | 70,490 | 89,990 |
| 73.60 | 76,757 | 101,057 |

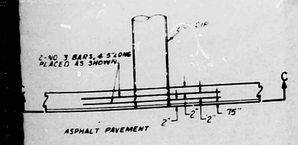
Water Surface Elevation for 100-year Storm will be below 4973.60

# GRADING PLAN

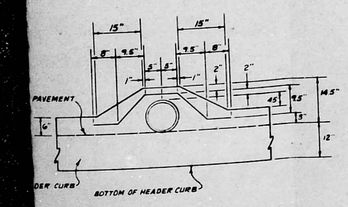
SCALE 1" = 30'



B-B
SCALE 1" = 5'

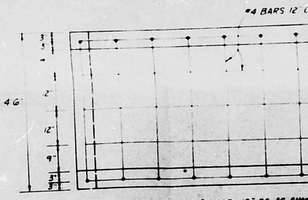



PLAN
10" CURB OUTLET DETAIL
SCALE: 1" = 2'

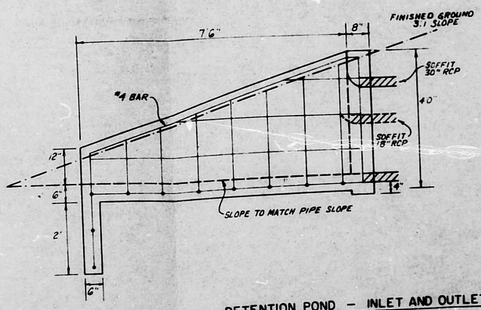



NOTE: DRAIN PIPE NOT TO PROTRUDE BEYOND CURB FACE

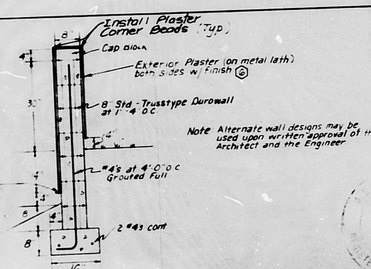
SECTION C-C
10" CURB OUTLET DETAIL
SCALE: 1" = 2'




NOTE: PLACE #4 BARS 12" OC AS SHOWN PROVIDE 2" MINIMUM COVER

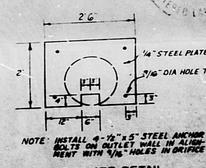



DETENTION POND – INLET AND OUTLET STRUCTURES
SCALE: 1" = 2'



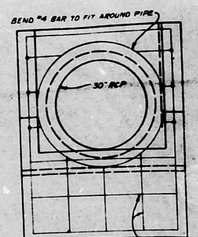

Note: Alternate wall designs may be used upon written approval of the Architect and the Engineer.

REINFORCED CONCRETE MASONRY WALL
SCALE: 1" = 2'

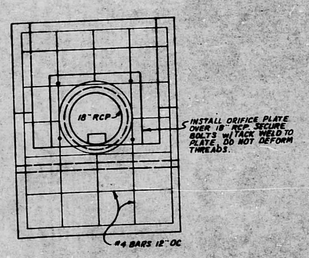



NOTE: INSTALL 4-7/8" x 5" STEEL ANCHOR BOLTS ON OUTLET WALL IN ALIGNMENT WITH 5/16" HOLES IN ORIFICE PLATE.

ORIFICE PLATE DETAIL
SCALE: 1" = 2'




INLET




OUTLET

I, under the laws of New Mexico, certify that I am a Registered Land Surveyor and that the as-built elevations shown on this drawing are from a field survey performed under my supervision on May 4, 1984 on the parking lot of Smith's Food & Drug No. 423 located on Tract B-2-A, GUADALUPE PLAZA as the same is shown and designated on the plat filed in the office of the County Clerk of Bernalillo County, New Mexico on May 2, 1983 and is true and accurate to the best of my knowledge and belief.

A. Dwain Weaver — May 9, 1984
A. Dwain Weaver — Date
N.M.P.L.S. No. 6544

As built elevations are shown as:
76.20
T/A ~~76.27~~
75.20

Job No. 49917

RECEIVED
DEC 05 1984
DESIGN HYDROLOGY SECTION

I, BRIAN BURNETT, P.E. CERTIFY THAT THE AS-BUILT PROJECT IS IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED DRAINAGE PLAN

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| 3 | 12/84 | Add Drains & Pipes | BB |
| 2 | 11/84 | Revise Pond Outlet | DW |
| 1 | 6/83 | Change 2 curb returns to 30' R. | DW |

REVISIONS

PRESCOTT MUIR ASSOCIATES • ARCHITECTS & PLANNERS • 235 WEST 4TH SOUTH • SALT LAKE CITY, UTAH 84101 • 801-521-9111

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SHEET NUMBER

DATE

E14/D3