HYDROLOGY

L14

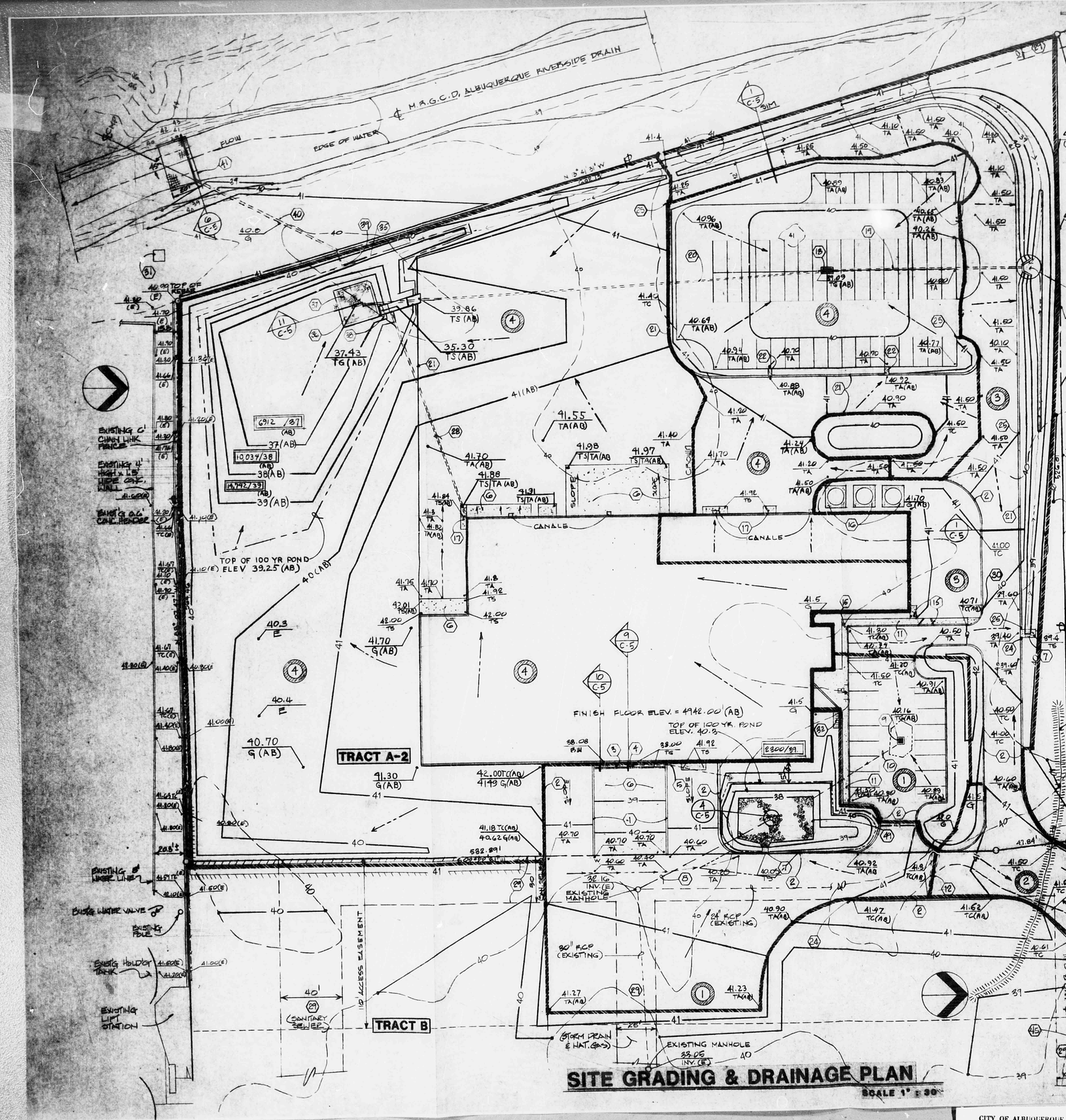
~~L1A~~/D1A

LIA / DIA

BUENO FOODS

PROCESSING FACILITY

1 PLAN




# SITE GRADING & DRAINAGE PLAN

SCALE 1" = 30'

**DRAWING NOTES:**

1. 10" CONCRETE RETAINING WALL, EXTEND 6" ABOVE T.A.
2. 6" WIDE CONCRETE STANDUP CURB, 6" EXPOSED HEIGHT.
3. TRENCH DRAIN W/ GRATING FOR TRUCK WHEEL LOADS. SLOPE TO SUMP PIT.
4. 3' DEEP CONCRETE SUMP PIT WITH STEEL GRATE.
5. 1-1/4" DIAMETER PVC DISCHARGE LINE FROM SUMP PIT. RISE VERTICALLY JUST NORTH OF RETAINING WALL AND RUN TO DETENTION POND. OUTLET ELEVATION AT POND = 40.5. INSTALL 1' X 1' X 6" DEEP GRAVEL POCKET AT DISCHARGE POINT.
6. 5" REINFORCED CONCRETE SLAB ON COMPACTED FILL.
7. 3' WIDE X 4" THICK CONCRETE RUNDOWN REINFORCED W/ 6 X 6 W2.1 X W2.1 MESH. SEE SECTION 3/C5.
8. 4" DIA. PVC TO EXISTING M.H. INV. AT D.I. = 36.4. SLOPE = 0.02. CONNECT TO M.H. PER CITY STDS.
9. STANDARD CITY OF ALBUQUERQUE SINGLE TYPE "D" DROP INLET AND GRATE.
10. 8" DIAMETER CMP. INVERT AT D.I. = 38.80. INVERT AT POND = 37.49 (AB).
11. 4" THICK CONCRETE SIDEWALK WITH THICKENED EDGE. SLOPE WALK AT 1/4"/FT. TOWARDS PAVING.
12. CROWN IN PAVEMENT.
13. TRANSITION FROM 8" CURB AND GUTTER AT ℄ TO 6" STANDUP CURB AT POINT INDICATED.
14. NEW STANDARD CITY CURB AND GUTTER.
15. 2" DIAMETER PVC DRAIN UNDER SIDEWALK.
16. 3 - 14' X 14' X 2' THICK CONCRETE MAT FOUNDATIONS FOR SILOS. TOP OF SLAB = 42.00.
17. 4" CONCRETE SIDEWALK.
18. STANDARD CITY OF ALBUQUERQUE DOUBLE TYPE "D" DROP INLET AND GRATE.
19. 15" DIAMETER RCP, CLASS III, WALL TYPE "B" PER ASTM C76-78. USE CLASS "B" BEDDING BETWEEN HEADWALL AND 35' SOUTH OF HEADWALL. CLASS "C" BEDDING IS OTHERWISE ACCEPTABLE. INVERT AT HEADWALL = 38.5 (AB), INVERT AT DROP INLET = 36.20, S = .01.
20. 21" DIAMETER RCP, CLASS III, WALL TYPE "B" PER ASTM C76-78. USE CLASS "C" BEDDING BETWEEN DROP INLET AND A POINT 5' NORTH OF THE ASPHALT CURB. BALANCE OF PIPE (APPROX. 200') SHALL BE INSTALLED WITH CLASS "B" BEDDING. INVERT AT DROP INLET = 36.00, INVERT AT OUTFALL = 34.8 (AB), SLOPE = .005.
21. 6" HIGH X 8" WIDE ASPHALT CURB.
22. 2' X 4" THICK SWALED CONCRETE PAD THROUGH CURB.
23. REMOVE C&G AS SHOWN. SEE SITE DIMENSION PLAN.
24. END 6" HIGH CONCRETE CURB.
25. END 6" HIGH ASPHALT CURB.
26. CONCRETE HEADWALL AND RUNDOWN SIMILAR TO DETAIL 7/C5, WITH TURN DOWN EDGE AND SIDE WALLS. RUNDOWN WIDTH = 7' AT TOP.
27. 6' HIGH, 8" CMU WALL FOR TRASH ENCLOSURE.
28. 10" C.I. PIPE. SEE DRAWING C-4. USE "B" BEDDING BELOW PAVING, "C" BEDDING AT OTHER LOCATIONS. INVERT AT HEADWALL = 35.30 (AB) S = .0164 (APPROX. 122 LF).
29. EXISTING UTILITY EASEMENT, WIDTH AS INDICATED.
30. 1' WIDE OPENING IN CURB.
31. EXISTING CONCRETE STRUCTURE TO REMAIN.
32. BIKE RACK.
33. EXISTING PAVING AND CURB AND GUTTER.
34. EXISTING DROP INLETS TO REMAIN.
35. SINGLE TYPE "D" INLET WITH LOCKABLE/REMOVABLE GRATE AND SUMP PUMP.
36. 1' STEP; TOP ELEV. = 35.5, BOTTOM ELEV. = 34.5.
37. FILL BOTTOM OF SUMP AREA WITH 1' LAYER OF 2" - 4" COBBLES OVER FILTER FABRIC. SEE SECTION 1/C5.
38. DAYLIGHT 21" RCP AND RUN EXPOSED TO INV. ELEV. OF 34.8 (AB) AT OUTFALL.
39. 4" DIAMETER PVC FROM RUBBER HOSE IN SUMP. CONNECT TO TOP OF 12" DIAMETER CMP.
40. 12" DIAMETER CMP. INVERT ELEV. @ ℄ = 40.1. CLOSE OFF END AT ℄ WITH STEEL PLATE. EXTEND UNDERGROUND TO RIVERSIDE DRAIN SUCH THAT INVERT AT DRAIN IS 12" ABOVE THE NORMAL WATER SURFACE.
41. 12" RIPRAP ON 6" GRAVEL.
42. CONCRETE RUNDOWN WITH 6" X 1'-6" CUTOFF WALL AND INVERT CROWN. WIDTH VARIES FROM 10' TO 7' AT OUTFALL.
43. MOUNT SUMP PUMP CONTROL PANEL ON CMU WALL. BOTTOM OF PANEL TO BE SET AT ELEVATION 42.00.
44. REMOVE EXIST'G SIDEWALK FOR NEW CONSTRUCTION.
45. EXISTING SIDEWALK TO REMAIN.
46. NEW SIDEWALK PER CITY STDS. MATCH EXIST'G WIDTH.
47. WARP NEW PAVING AS REQUIRED TO MAINTAIN EXISTING FLOW LINE ELEV. AND GRADE.
48. CONTRACTOR SHALL CONSTRUCT A 2' HIGH, COMPACTED BERM WHERE INDICATED TO PREVENT SURFACE RUNOFF FROM ENTERING THE STREET DURING CONSTRUCTION. THE BERM SHALL BE REMOVED WHEN FINISH SITE GRADING AND PAVING WORK IS COMPLETED.
49. 1 X 6 REDWOOD EDGING AT ELEV. 38.0.

GENERAL NOTES: SEE DRAWING C-5.

**LEGEND**

| | |
|---|---|
| 00 | EXISTING CONTOURS |
| 00 | NEW CONTOURS |
| | NEW SWALE/DITCH |
| TA | TOP OF ASPHALT |
| TC | TOP OF CURB |
| TG | TOP OF GRATE |
| TS | TOP OF SLAB |
| TW | TOP OF WALL |
| TC(E) | EXISTING TOP OF CURB |
| FL | FLOW LINE |
| G | NEW GROUND SPOT ELEVATION |
| (AB) | AS-BUILT CONDITIONS |
| M.R.G.C.D. | MIDDLE RIO GRANDE CONSERVANCY DISTRICT |
| 000/000 | AREA OF POND (FT²)/CONTOUR AT WHICH MEASURED |
| | GRAVEL/COBBLE EROSION PROTECT. & GROUND COV. |
| | NEW BERM |
| | UNDER GROUND PIPE, SIZE AS INDICATED |
| | STANDARD CITY CURB & GUTTER |
| | 100 YEAR POND ELEVATION |
| | DRAINAGE AREA BOUNDARY |
| 1 | DRAINAGE AREA |
| | DIRECTION OF SURFACE LAND FLOWS |

**SITE LOCATION MAP**

I CERTIFY THAT THIS PLAN IS IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED DRAINAGE PLAN.
APRIL 9, 1985

REGISTERED PROFESSIONAL ENGINEER — STATE OF NEW MEXICO — NO. 4120 — EDWARD S. GUTTERIDGE

REGISTERED PROFESSIONAL ENGINEER — STATE OF NEW MEXICO — 5290 — CHANG HUIH ALLEN

APPROVED FOR CONSTRUCTION BY MIDDLE RIO GRANDE CONSERVANCY DISTRICT
BY: [signature]
DATE: 10/21/83

RECEIVED
APR 10 1985

DESIGN PROFESSIONALS, INC.
7500 JEFFERSON NE BLVD. NE, ALBUQUERQUE, NM 87107
(505) 881-8338

PROJECT TITLE:
**BUENO FOODS PROCESSING FACILITY PHASE I**

SHEET TITLE:
**SITE GRADING PLAN AND DRAINAGE SECTION**

**CERTIFIED DRAINAGE PLAN**

dpi PROJECTS ENGINEERS

Drawn by: JS Proj. No: 8219
Checked by: ELP Date: 4/3/85

DRAWING C-2
SHEET 3 OF 12

4/4/85

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