HYDROLOGY D17/D46 TEX-PACK EXPRESS WAREHOUSE

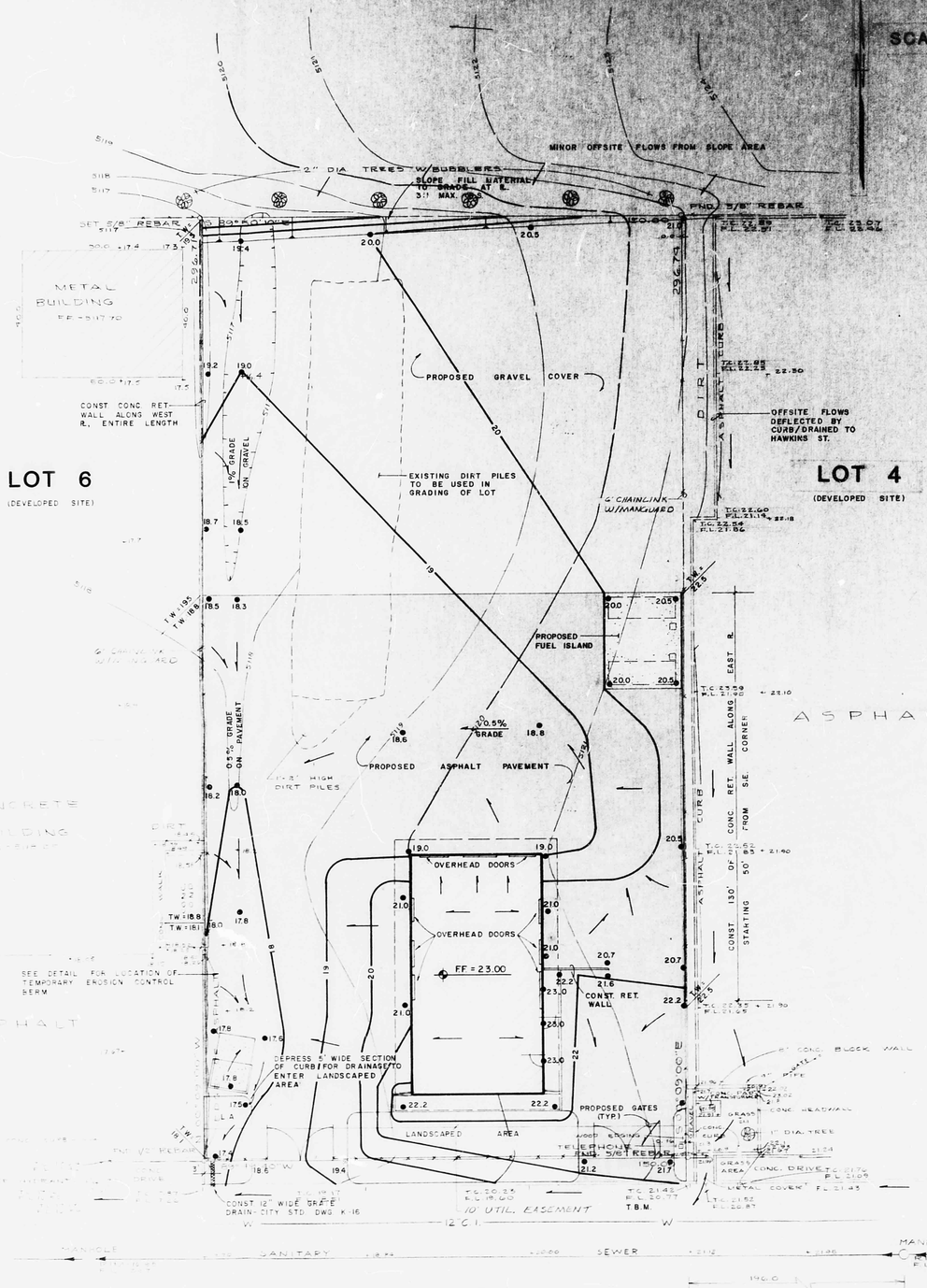
D17/D46

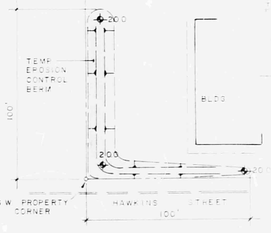
TEX-PACK

EXPRESS WAREHOUSE

1 PLAN

SCALE: 1" 20'



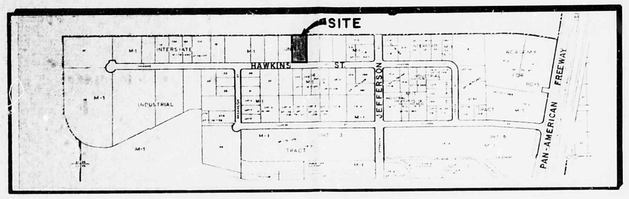


EROSION CONTROL BERM

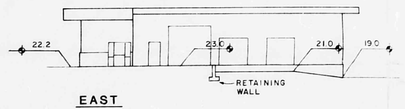
N.T.S.

LEGEND

- ASPHALT PAVING
- LANDSCAPED AREA
- PROPERTY LINE
- EXISTING CURB & GUTTER W/SIDEWALK
- 12.7 EXISTING SPOT ELEVATION
- 12 EXISTING CONTOUR
- 12.7 PROPOSED SPOT ELEVATION
- 12 PROPOSED FINISHED CONTOUR
- SURFACE FLOW DIRECTION
- BUILDING STRUCTURE

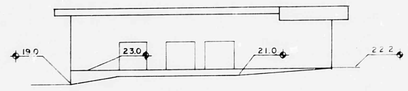


VICINITY MAP - D 17



EAST

SOUTH



WEST

NORTH

BUILDING ELEVATIONS

NOTES

1. Legal- Lot 5, Interstate Industrial Park, Albuquerque, New Mexico
2. Architect- Lujan-Beltran (265-8865)
3. Surveyor- Ron Forstbauer Surveying Co. Date of Survey 2-24-84 (268-8258)
4. BM - Nail and Power Pole 9-D17 Elevation 5120.40
5. T.B.M.- T.C. @ East lot line projection on Hawkins Street Ele. 5121.42
6. Soils- SCS Map #21, Soil Type EmB, Hydrologic soil group "B"
7. Flood Plain- None (Panel 9 of F.I.R.M.)
8. Offsite Drainage- Higher land to east has been developed with paved alley along west side of site intercepting all off-site flows to Hawkins Street. Off-site area to south contributes very minor sheet flow from slope area. (Q_{100} = <0.2 c.f.s.)
9. Drainage Criteria- Per pre-design mtg. with City Hydrology on 2-28-84, the following criteria has been established:
   a. DPM Drainage plan required.
   b. Free discharge allowed.*
   c. Entire lot to be developed/ no phased construction which would effect onsite runoff conditions.
   d. Erosion control plan required for period of construction.

   * Drainage report for Academy Park, Unit 4 and Beta Tract dated November 10, 1975, prepared by Gurdan Heyenhoff and Associates, provided for free discharge onto Hawkins Street with outfall into a concrete lined ditch prior to emptying into AMAFCA North Channel. Street and outfall channel has been constructed to accept developed flows.
10. Erosion Control to take the form of a temporary berm constructed at the SW corner of site, extending 100' to the east along Hawkins Street and 100' North along the west property line. Construct top of berm to elevation 20.0 and complete lot grading to finished elevations to direct flows to SW corner. Do not remove berm until final grading is complete.
    Vol. to be retained for a 10 yr. storm frequency = 1246/123[46,511](0.74) = 1816 cf.
    Vol. of temporary pond = 3675 cf wit. berm at elevation 20.0

Typical berm section-

RESUBMITTED PLAN 4-2-84

FLOW DISCHARGE RATES

a) UNDEVELOPED Q_{100} = (2.15)(2.2)(0.34)(1.02 Ac) = 1.6 c.f.s.

b) DEVELOPED Q_{100} = (2.15)(2.2)(0.75)(1.02 Ac) = 3.6 c.f.s.

RECEIVED
APR 03 1984
DRC CITY SECTION

C1

D17/D46

C.T.S. INC.
ENGINEERING
1100 ALVARADO N.E. SUITE A
ALBUQUERQUE, NEW MEXICO 87110
(505) 266-3444

REVISIONS DATE

DESIGNED
DRAWN
CHECKED

DRAINAGE / GRADING PLAN
TEX-PACK EXPRESS WAREHOUSE
4211 Hawkins N.E.

SHEET 1 OF 4