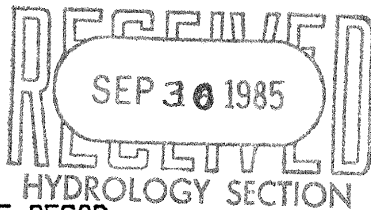


DRAINAGE INFORMATION SHEET

PROJECT TITLE: Goodyear Tire Center ZONE ATLAS/DRNG. FILE #: L-10/D34
 LEGAL DESCRIPTION: Lots 17, 18 & 19 Blk 30A Elder Homestead Add.
 CITY ADDRESS: 1131 Indiana SE
 ENGINEERING FIRM: Tom Mann & Assoc Inc CONTACT: Tom Mann
 ADDRESS: 811 Dallas NE PHONE: 265-5611
 OWNER: Goodyear CONTACT: N/A
 ADDRESS: _____ PHONE: _____
 ARCHITECT: Tom Robson CONTACT: Tom Robson
 ADDRESS: 1202 Pennsylvania NE PHONE: 266-9013
 SURVEYOR: TECH Inc CONTACT: N/A
 ADDRESS: 7800 Marble PHONE: 265-7703
 CONTRACTOR: Chk. CONTACT: N/A
 ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

☒ YES☐ NO☒ COPY OF CONFERENCE RECAP
SHEET PROVIDED

DRB NO. _____

EPC NO. _____

PROJ. NO. _____

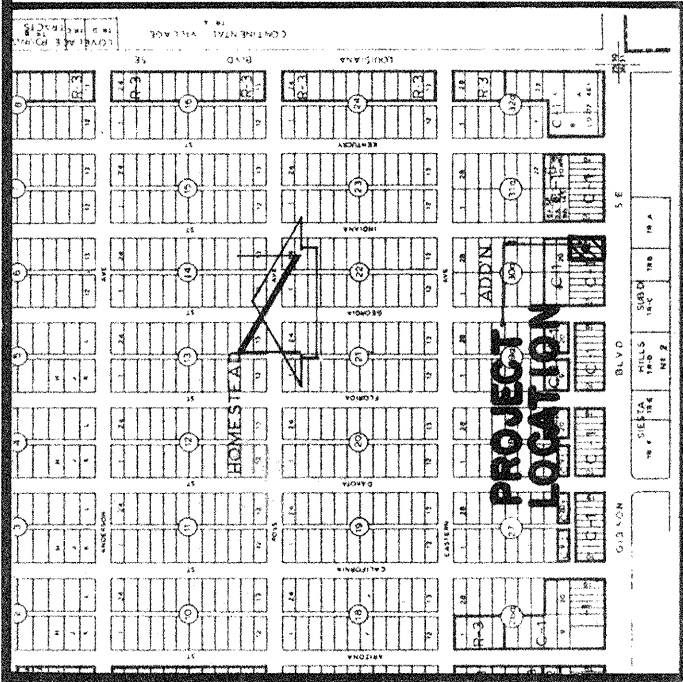
TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT☒ DRAINAGE PLAN☐ CONCEPTUAL GRADING & DRAINAGE PLAN☒ GRADING PLAN☐ EROSION CONTROL PLAN☐ ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

☐ SKETCH PLAT APPROVAL☐ PRELIMINARY PLAT APPROVAL☐ SITE DEVELOPMENT PLAN APPROVAL☐ FINAL PLAT APPROVAL☒ BUILDING PERMIT APPROVAL☐ FOUNDATION PERMIT APPROVAL☐ CERTIFICATE OF OCCUPANCY APPROVAL☐ ROUGH GRADING PERMIT APPROVAL☐ GRADING/PAVING PERMIT APPROVAL☐ OTHER _____ (SPECIFY)DATE SUBMITTED: 9/26/85BY: Tom Mann

ok to process 10/3/85



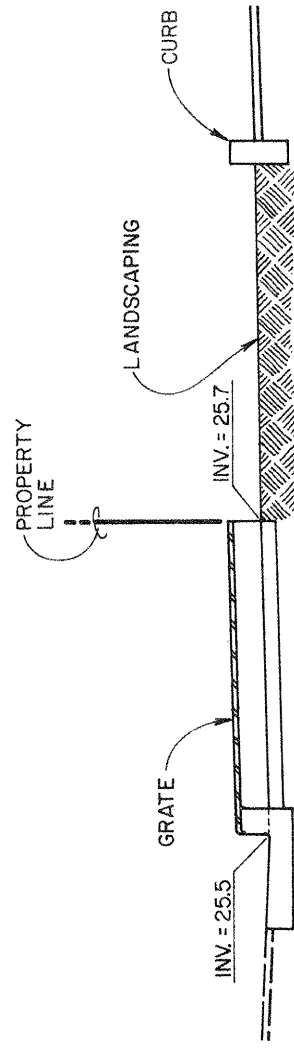
VICINITY MAP L-18
SCALE: 1" = 800'

CONSTRUCTION NOTES:

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 765-1234, FOR LOCATION OF EXISTING UTILITIES.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESOLVING THE CONFLICT. THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
4. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE SIGNAGES AND EXEMPTIONS.

EROSION CONTROL MEASURES

1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERM AT THE PROPERTY LINES AND SETTING THE SOIL TO KEEP IT FROM BLOWING.
2. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
3. THE CONTRACTOR SHALL SECURE "TOPSOIL" PRIOR TO BEGINNING CONSTRUCTION.



SECTION A - A
SCALE: 1" = 4'

LEGEND

- PROPOSED SPOT ELEVATION
- EXISTING SPOT ELEVATION
- PROPOSED CONTOUR
- EXISTING CONTOUR
- SWALE
- PROPERTY LINE
- CONCRETE
- PROPOSED ASPHALT
- TOP OF CURB
- TOP OF ASPHALT
- FLOW LINE

TC 69.50
TA 69.00
FL 69.50

PROJECT BENCHMARK

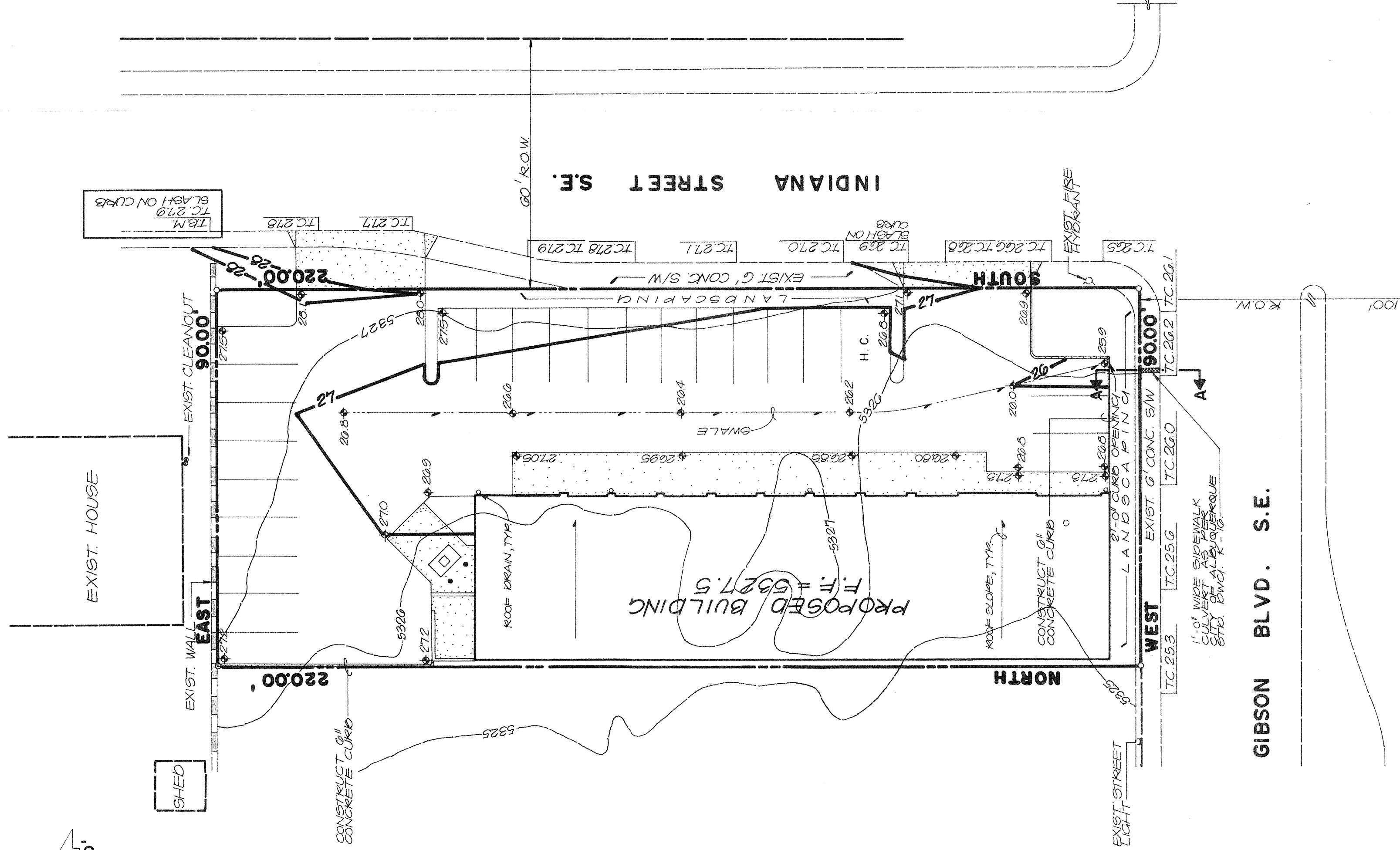
9-118 @ THE JUNCTION OF GIBSON BLVD. & FLORIDA ST. S.E.
A 5562.15 IS CHISELED ON TOP OF CONC CURB @ THE
ELEV. = 5562.15 (M.S.L.D.)

T.B.M.

TOP OF CONCRETE CURB, A PROJECTION OF THE NORTH
ELEV. = 5562.15 (M.S.L.D.)

LEGAL DESCRIPTION

LOTS 11, 18 & 19 BLOCK 30A, ELDER HOMESTEAD ADDITION



GIBSON BLVD. S.E.

INDIANA STREET S.E.

DRAINAGE PLAN

The following items concerning the Goodyear Tire Center Grading and Drainage Plan are contained hereon:

1. Vicinity Map
2. Grading Plan
3. Calculations

As shown by the Vicinity Map, the project site is located at the northwest corner of the intersection of Gibson Boulevard S.E. and Indiana Street S.E. At present, the site is undeveloped. The proposed improvements will involve the construction of a new Goodyear Tire Center complete with building, asphalt parking and landscaping.

As shown by Plate L-18 of the Albuquerque Master Drainage Study, this site lies adjacent to a designated Flood Hazard Zone. It would appear from the existing mapping that the flooding is confined to the street right-of-way. This street is 20' wide and the existing curb is established at an elevation which is 2' above the corresponding flowing of the existing curb. The proposed finished floor of the building is 5327.5, which is approximately 2' higher, thereby protecting the structure from potential flooding from the street. The Albuquerque Master Drainage Study also identifies System 206-02A as proposed construction which will eliminate flooding on Gibson Boulevard below the Kirtland Air Force Base detention basin, which is also in place, and on Eastern Avenue, Ross Avenue, Anderson Avenue, Kathryn Avenue, Southern Avenue, Humboldt Avenue, and Sycamore Avenue. Said drainage system is currently in place, the mapped view of these improvements which are currently in place, the mapped flooding in Gibson Boulevard S.E. does not exist, however, measures have been taken to elevate the structure above the previous floodplain level to comply with the Flood Hazard Ordinance. Lastly, in view of the fact that this is an infill site, that the previously mentioned drainage facilities are in place, and that only a minor increase in runoff is anticipated due to the proposed development, the free discharge of runoff from this site is appropriate.

The Grading Plan shows 1) existing and proposed grades indicated by spot elevations and contours at 1'-0" intervals, 2) the limit and character of the existing and proposed improvements, and 3) continuity between existing and proposed grades. At present, the site drains from east to west into undeveloped land and ultimately into Georgia Street S.E. Georgia Street drains into Gibson Boulevard which flows westerly and is collected by the 206-02A system. The project site is higher than the land to the west, is separated by a wall from the land to the north, and is bordered by streets on the east and south; therefore, offsite flows are minimal.

The Calculations which appear hereon analyze both the existing and developed conditions for the 100-year, 6-hour rainfall event. The Rational Method has been utilized for this analysis in accordance with the City of Albuquerque Development Process Manual, Volume II. As shown by these calculations, a very minor increase in runoff is anticipated due to the proposed development.

CALCULATIONS

Ground Cover Information

From SCS Bernalillo County Soil Survey, Plate 31:
Web Wink-Bambuco Complex
Hydrologic Soil Group B

Rational Method

Discharge: $Q = CIA$
where C varies
 $I = 6.84$ in (DPM Plate 22.2 D-1)
 $P_2 = 1.35$ in (DPM Plate 22.2 D-1)
 $P_3 = 1.35$ in (DPM Plate 22.2 D-1)
 $A =$ area, acres

Volume: $V = CP_2A(I/P_3)$
where C varies
 $P_2 = 2.35$ in (DPM Plate 22.2 D-1)
 $A =$ area, acres

Existing Condition

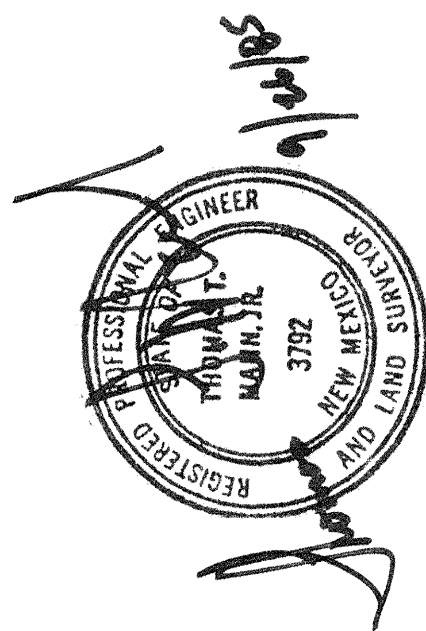
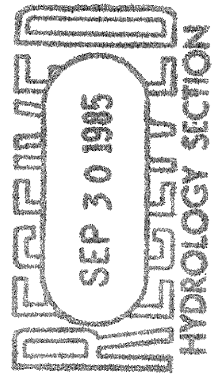
$A_{total} = 19,800$ sf = 0.45 Ac
 $A_{impervious} = 0$ sf; % impervious = 0%
 $C_{imp} = 0.34$ (DPM Plate 22.2 C-1)
 $Q_{100} = CIA = 0.34(4.98)(0.45) = 0.8$ cfs
 $V_{100} = CP_2A = 0.34(2.35/12)(19,800) = 1,318$ cf

Developed Condition

$A_{total} = 19,800$ sf = 0.45 Ac
 $A_{impervious} = 18,165$ sf; % impervious = 92%
 $C_{imp} = 0.88$ (DPM Plate 22.2 C-1)
 $Q_{100} = CIA = 0.88(4.98)(0.45) = 2.0$ cfs
 $V_{100} = CP_2A = 0.88(2.35/12)(19,800) = 3,412$ cf

Comparison

$Q_{100} = 2.0 - 0.8 = 1.2$ cfs (increase)
 $V_{100} = 3,412 - 1,318 = 2,094$ cf (increase)



GRADING & DRAINAGE PLAN
GOODYEAR TIRE CENTER

JOB NO. 51091
DATE 9-85
DESIGNED BY: T.T.M.
DRAWN BY: J.M.C.
APPROVED: T.T.M.

REVISIONS

NO. DATE BY

81 DALLAS N.E. - ALBUQUERQUE - NEW MEXICO - 87110
ENGINEERS



FILE NO.
SHEET 1 OF 1