

LEGEND

- ⊕ 93.75 PROPOSED SPOT ELEVATION
- FL FLOWLINE ELEVATION
- TC TOP OF CURB ELEVATION
- EXISTING CONTOUR
- 93 — PROPOSED CONTOUR (SEE NOTE 5)

SITE AREA: 0.67 ACRE

LEGAL DESCRIPTION: A PORTION OF TRACT A, WINROCK SHOPPING CENTER.

SURVEY: TOPOGRAPHIC SURVEY PROVIDED BY AVID ENGINEERING, INC. NO BOUNDARY SURVEY WAS PERFORMED AS THIS SITE IS AN INTERIOR PORTION OF SAID TRACT A.

BENCHMARK: ACS BENCHMARK "4A-J18", A SQUARE CHISELED ON TOP OF CURB AT THE NORTHWEST SIDE OF THE HANDICAP RAMP LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF LOUISIANA BLVD. NE AND INDIAN SCHOOL ROAD NE. ELEVATION = 5271.07

SOILS: THE EXISTING SURFACING OF THE SITE IS 100% ASPHALT PAVING. THIS WAS PREVIOUSLY THE SITE OF FERRELL'S ICE CREAM PARLOR WHICH WAS DEMOLISHED AND IS NOW ENTIRELY PAVED PARKING FOR WINROCK MALL.

FLOOD HAZARD STATEMENT: PANEL 30 OF THE FLOOD INSURANCE RATE MAP (FIRM) DOES NOT SHOW THIS SITE TO BE WITHIN AN IDENTIFIED FLOODING AREA.

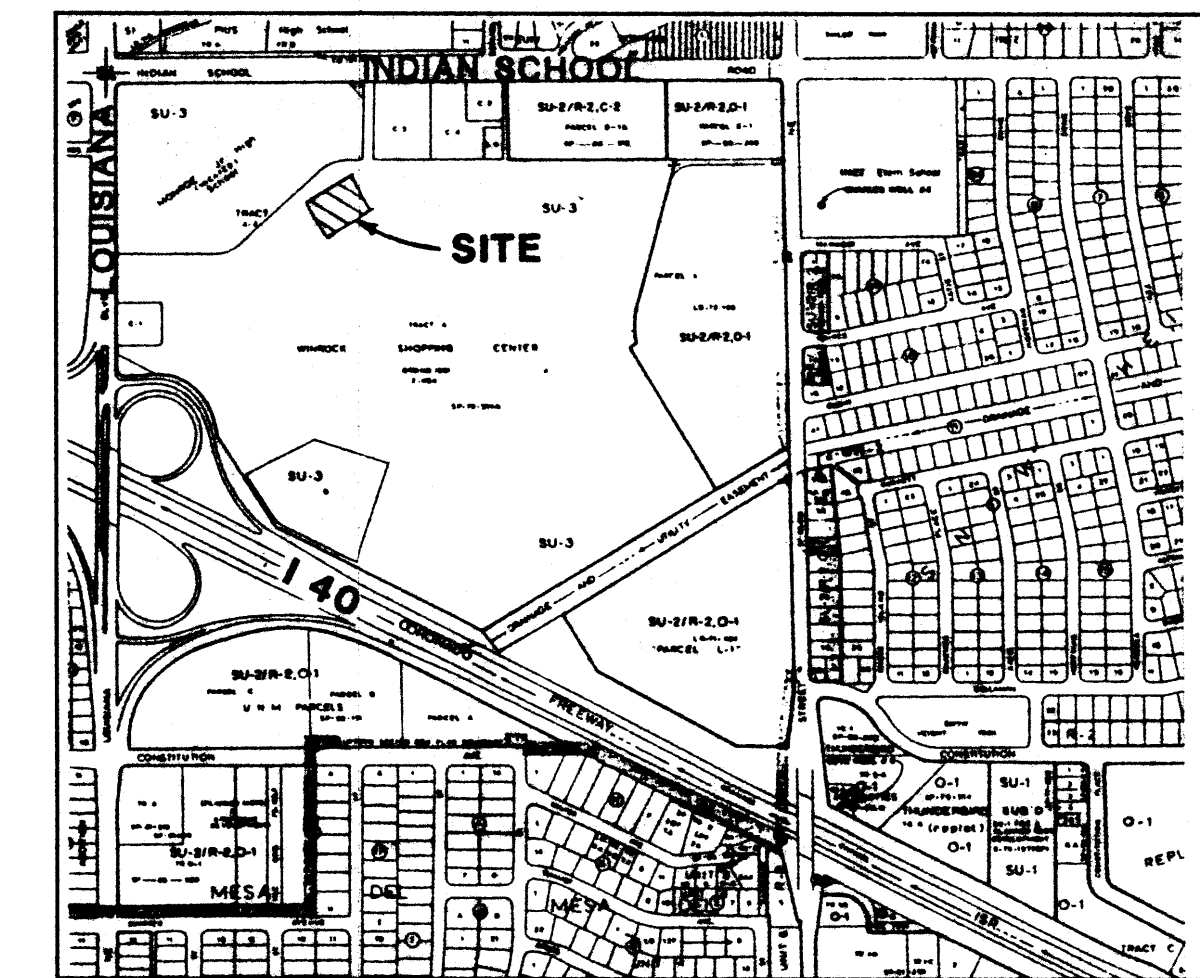
OFFSITE FLOWS: THE PRESENT DEVELOPMENT (100% PAVED PARKING AREA) ALLOWS FOR UPLAND PARKING AREA TO SHEETFLOW ACROSS THE SITE FROM EAST TO WEST. THE PROPOSED DEVELOPMENT WILL CONTINUE TO ACCEPT THESE OFFSITE SHEETFLOWS FROM THE ADJACENT PARKING AREA.

OFFSITE AREA = 0.75 ACRE ZONE = 3
LAND TREATMENT = 100% D
 $Q_{100} = (5.02 \text{ CFS/AC})(0.75 \text{ AC}) = 3.8 \text{ CFS}$

DRAINAGE CONCEPT: EXISTING 100% IMPERVIOUS PARKING AREA IS BEING REDEVELOPED WITH A 12,150 SF RESTAURANT BUILDING. THE PROPOSED DEVELOPMENT INCLUDES 10% LANDSCAPING AREA WHICH WILL REDUCE THE AMOUNT OF RUNOFF GENERATED. HISTORIC DRAINAGE PATTERNS WILL REMAIN UNCHANGED AS RUNOFF WILL CONTINUE TO FLOW WEST WHOLLY ON THE WINROCK TRACT. TWO EXISTING STORM DRAIN INLETS ON AMERICAS PARKWAY, EAST OF LOUISIANA BLVD., INTERCEPT THIS RUNOFF. THE PROPOSED DEVELOPMENT WILL NOT HAVE ANY ADVERSE HYDROLOGIC IMPACTS AS IT LESSENS SITE RUNOFF AS FOLLOWS:

EXISTING: 100% D
 $Q_{100} = (5.02 \text{ CFS/AC})(0.67 \text{ AC}) = 3.4 \text{ CFS}$

PROPOSED: 10% B & 90% D
 $Q_{100} = (2.60)(0.067) + (5.02)(0.603) = 3.2 \text{ CFS}$



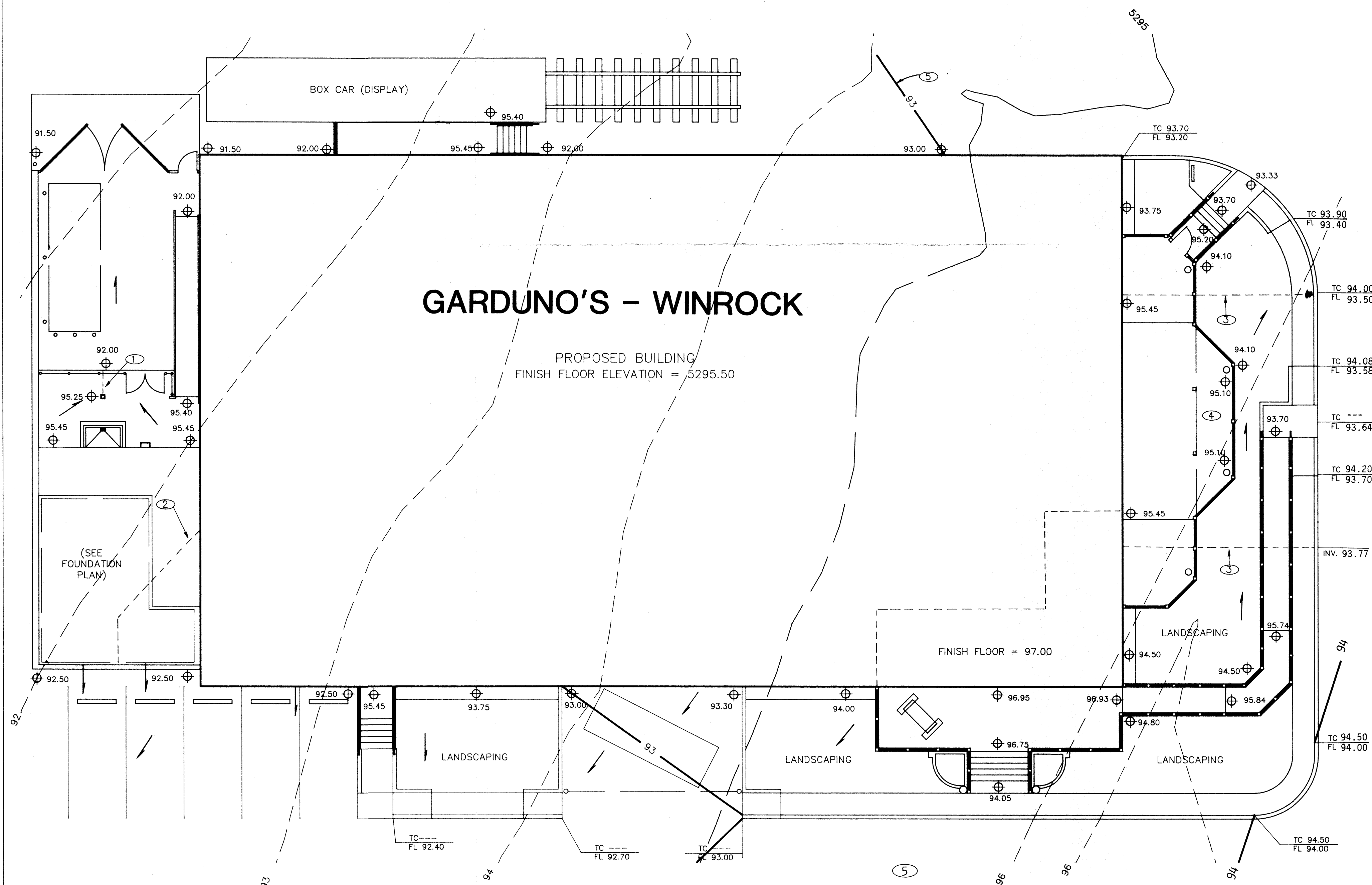
1"=750'±

ZONE ATLAS J-19

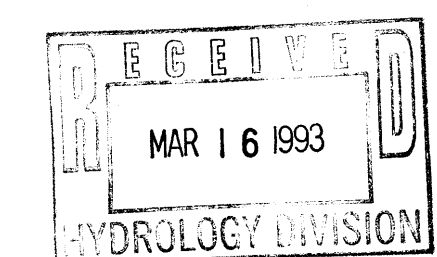
VICINITY MAP

KEYED NOTES

1. AREA DRAIN EQUAL TO NATIONAL DIVERSIFIED SALES, INC. SPEC-D-BASIN WITH 6" RISER AND 9-INCH SQUARE GRATE.
2. TRANSITION ROOF DRAIN TO 6-INCH DIAMETER PVC DRAIN PIPE. ROUTE THROUGH FACE OF CONCRETE FOUNDATION WALL AT 12" ABOVE PAVEMENT GRADE.
3. TRANSITION ROOF DRAIN TO 4-INCH DIAMETER PVC DRAIN PIPE & ROUTE THROUGH CURB FACE.
4. ALL EXTERIOR CONCRETE PATIO SLABS SHALL BE SLOPED AT 1% MIN. AWAY FROM BUILDING.
5. PARKING AREA GRADES TO MATCH THOSE SHOWN BY AVID ENGINEERING FOR WINROCK MALL-REPAVING PROJECT.



GRADING & DRAINAGE PLAN



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