

KEYNOTES

27 PAVEMENT THIS AREA TO BE PATCHED / RESURFACED.

26 NEW ASPHALT PAVEMENT THIS AREA MATCH TOP OF

25 ADVISORY RECOMMENDATION FOR SMOOTH RIDING

24 TRANSITION

23 PROPOSED BUILDING ADDITION

22 INSTALL 6" DIAMETER STORM DRAIN MANHOLE INLET PER

21 PROVIDE 4" PVC PIPE THROUGH WALK AT

20 INVERT ELEVATIONS SHOWN TO ALLOW FLOWS TO PASS

19 RAISE GUTTERS THIS AREA TO ELEVATIONS SHOWN TO

18 PROVIDE POSSIBLE DRAINAGE TO PROPOSED VALLEY

17 BUTTER

16 SEE ARCHITECTURAL PLANS FOR ALL SITE PLAN

15 INFORMATION AND DIMENSIONS

14 SEE ARCHITECTURAL PLANS FOR SITE DEMOLITION

13 INFORMATION

12 ALL RIP-RAP TO BE MIN. 6" DIA. ANGULAR RIP-RAP

11 NEW SLOPED LOCATIONS, NEW FENCE AND GATE

10 LOCATIONS, ETC.

9 FEMA MAP #

8 VICINITY MAP #

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GENERAL NOTES

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VICINITY MAP #

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Drainage and Grading Plan

C-2

SH. 2 OF 3

Scale: 1" = 20'

Date: JULY 2000

Drawn By: BJB

Checked By: JLB

Job Number: 03/24/1994, 94-0, 94-0, 94-0

Revisions:

1. 03/24/1994, 94-0, 94-0, 94-0

2. 03/24/1994, 94-0, 94-0, 94-0

3. 03/24/1994, 94-0, 94-0, 94-0

4. 03/24/1994, 94-0, 94-0, 94-0

5. 03/24/1994, 94-0, 94-0, 94-0

6. 03/24/1994, 94-0, 94-0, 94-0

7. 03/24/1994, 94-0, 94-0, 94-0

8. 03/24/1994, 94-0, 94-0, 94-0

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10. 03/24/1994, 94-0, 94-0, 94-0

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14. 03/24/1994, 94-0, 94-0, 94-0

15. 03/24/1994, 94-0, 94-0, 94-0

16. 03/24/1994, 94-0, 94-0, 94-0

17. 03/24/1994, 94-0, 94-0, 94-0

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23. 03/24/1994, 94-0, 94-0, 94-0

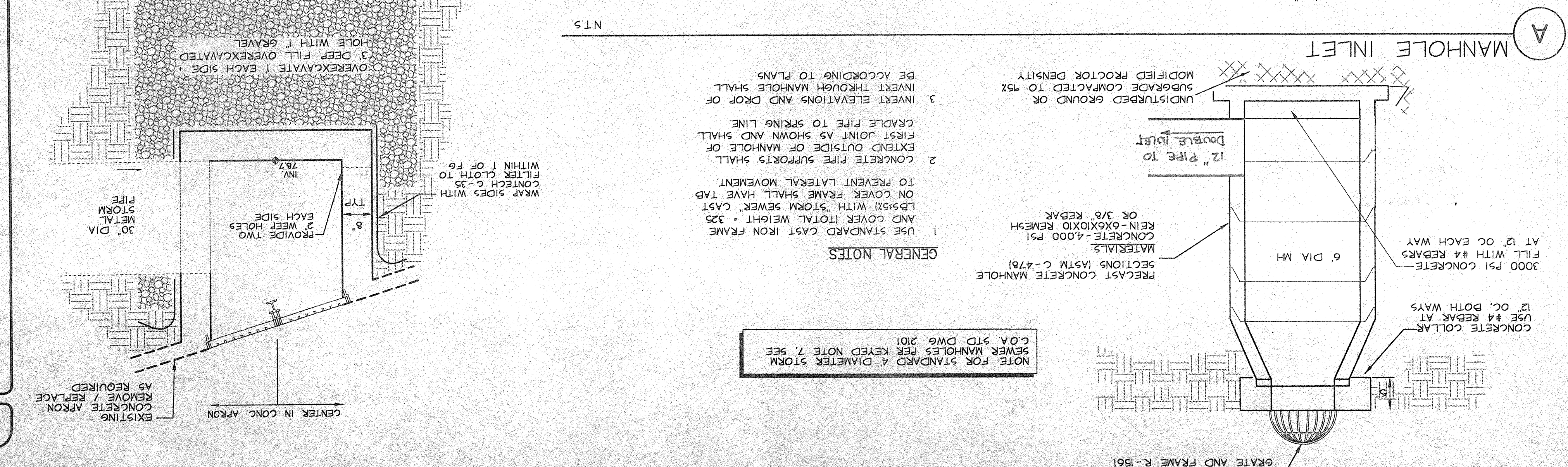
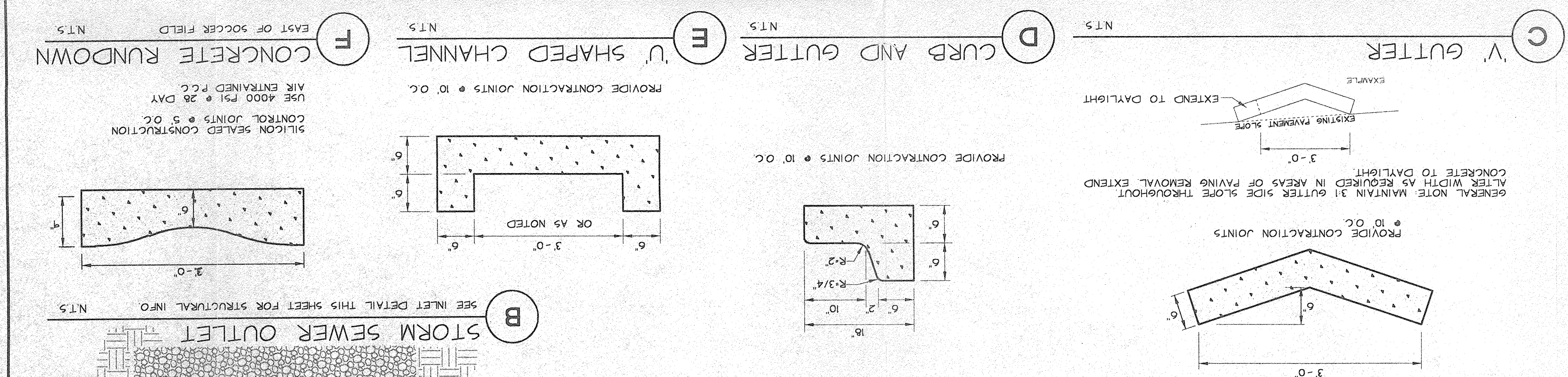
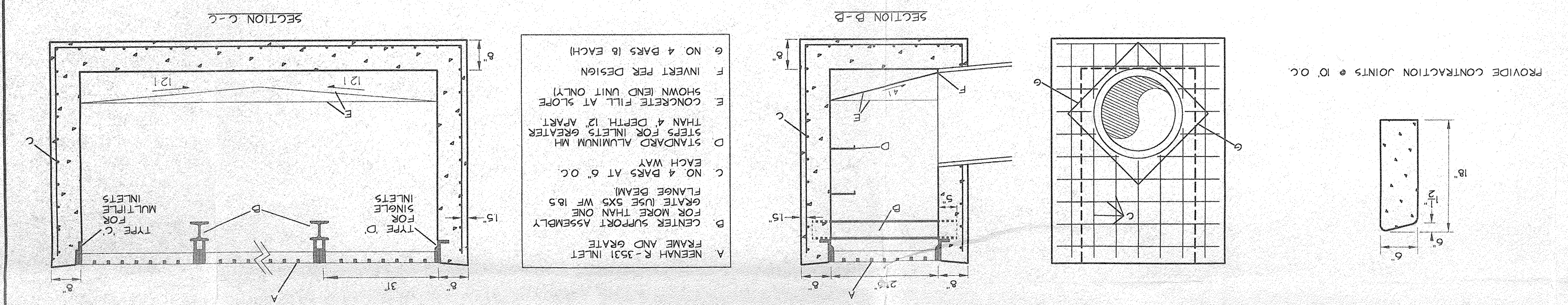
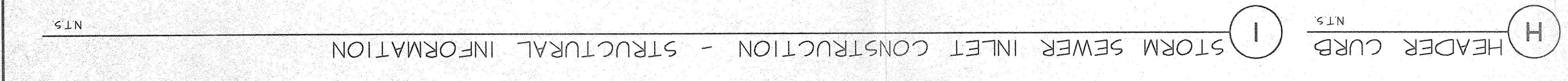
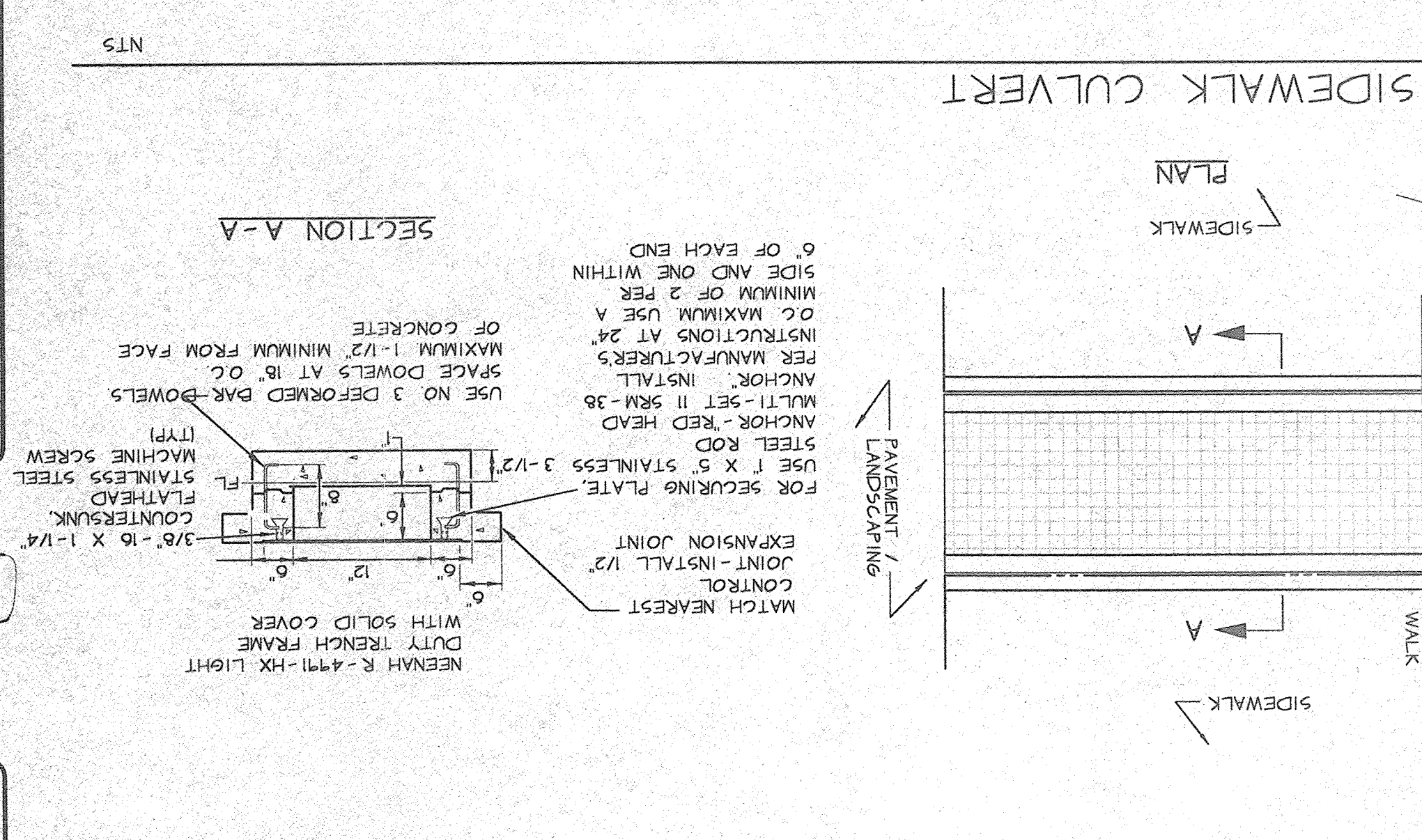
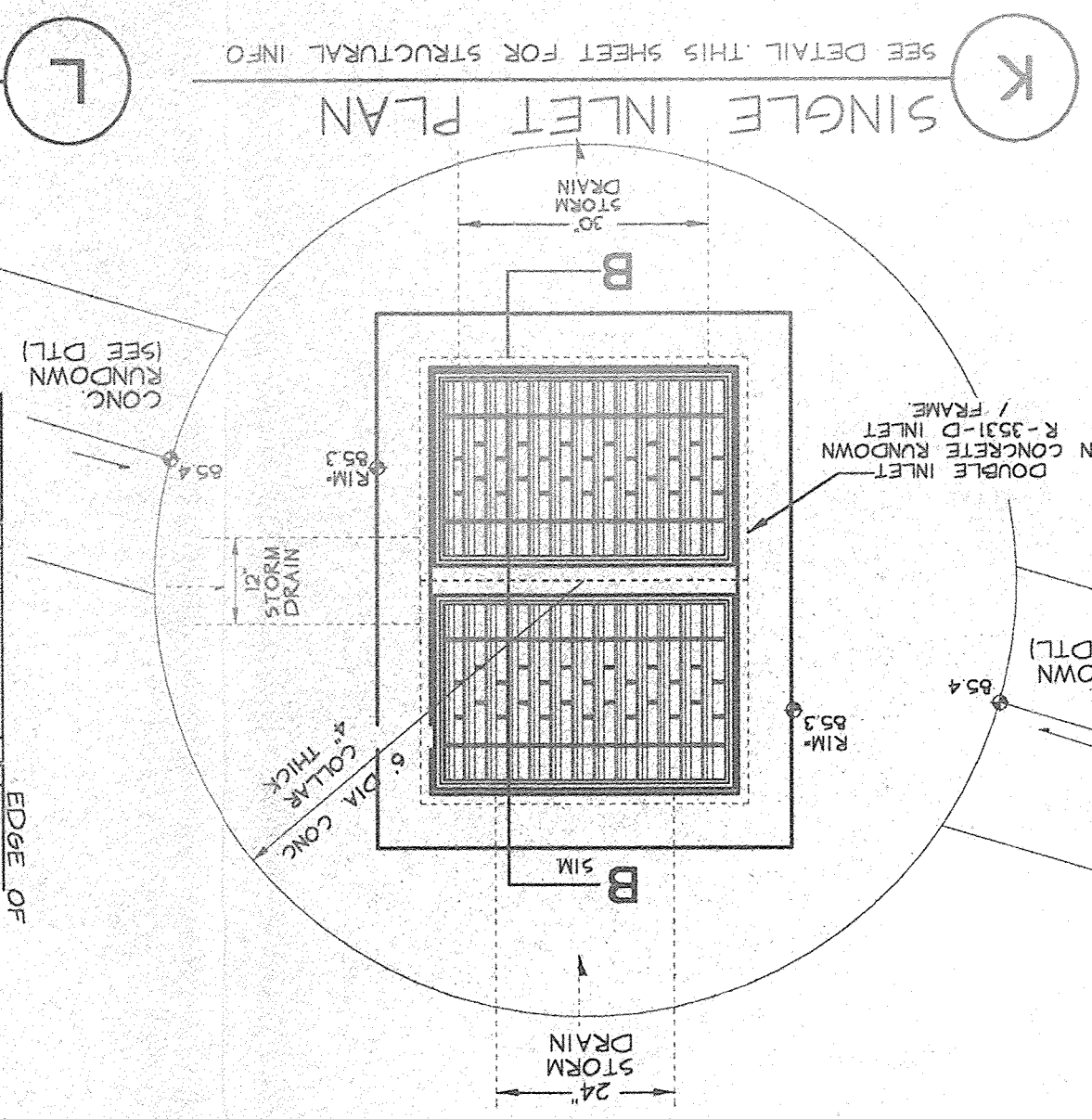
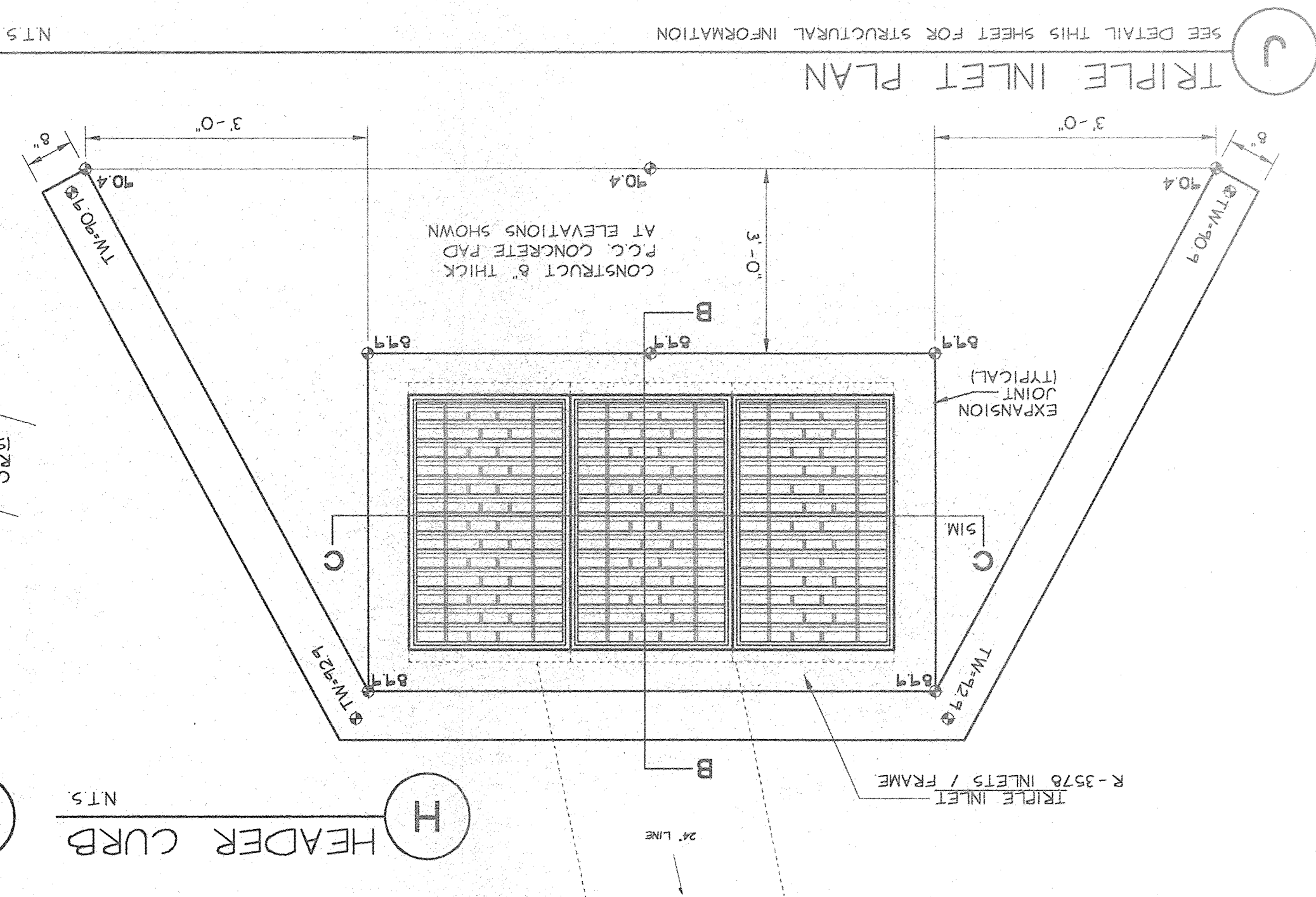
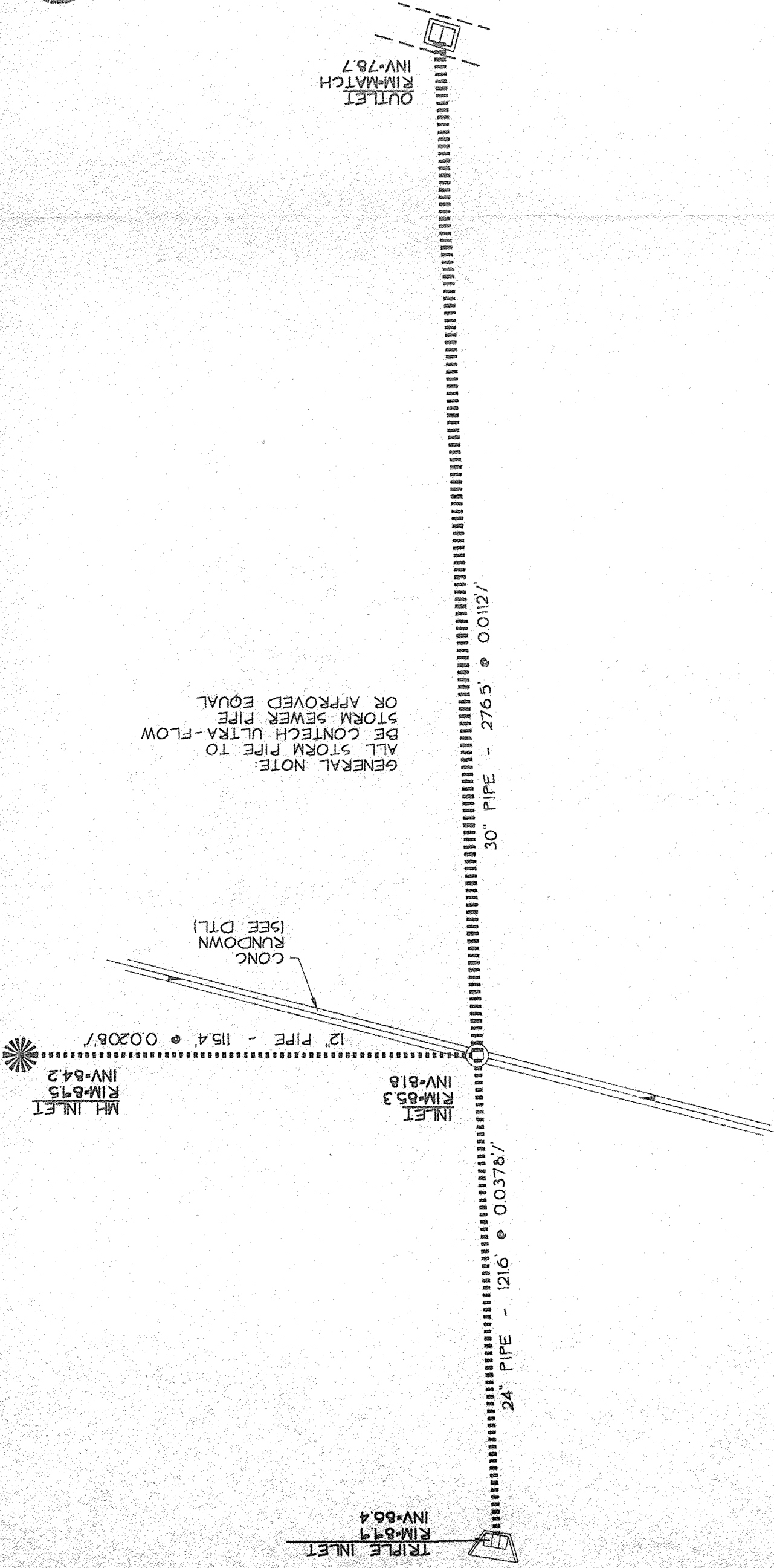
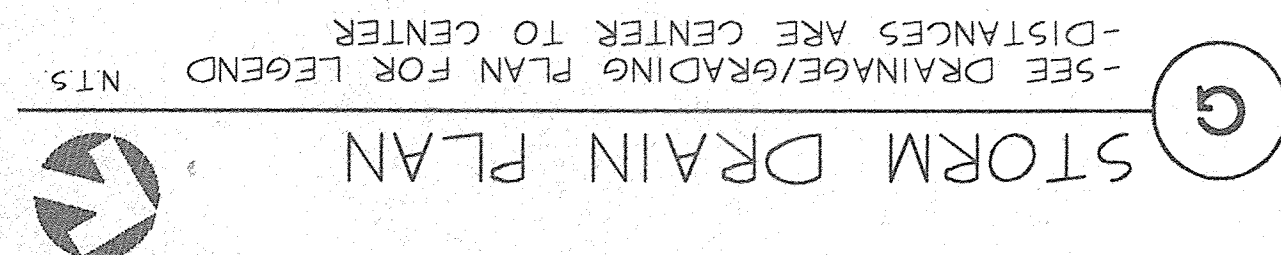
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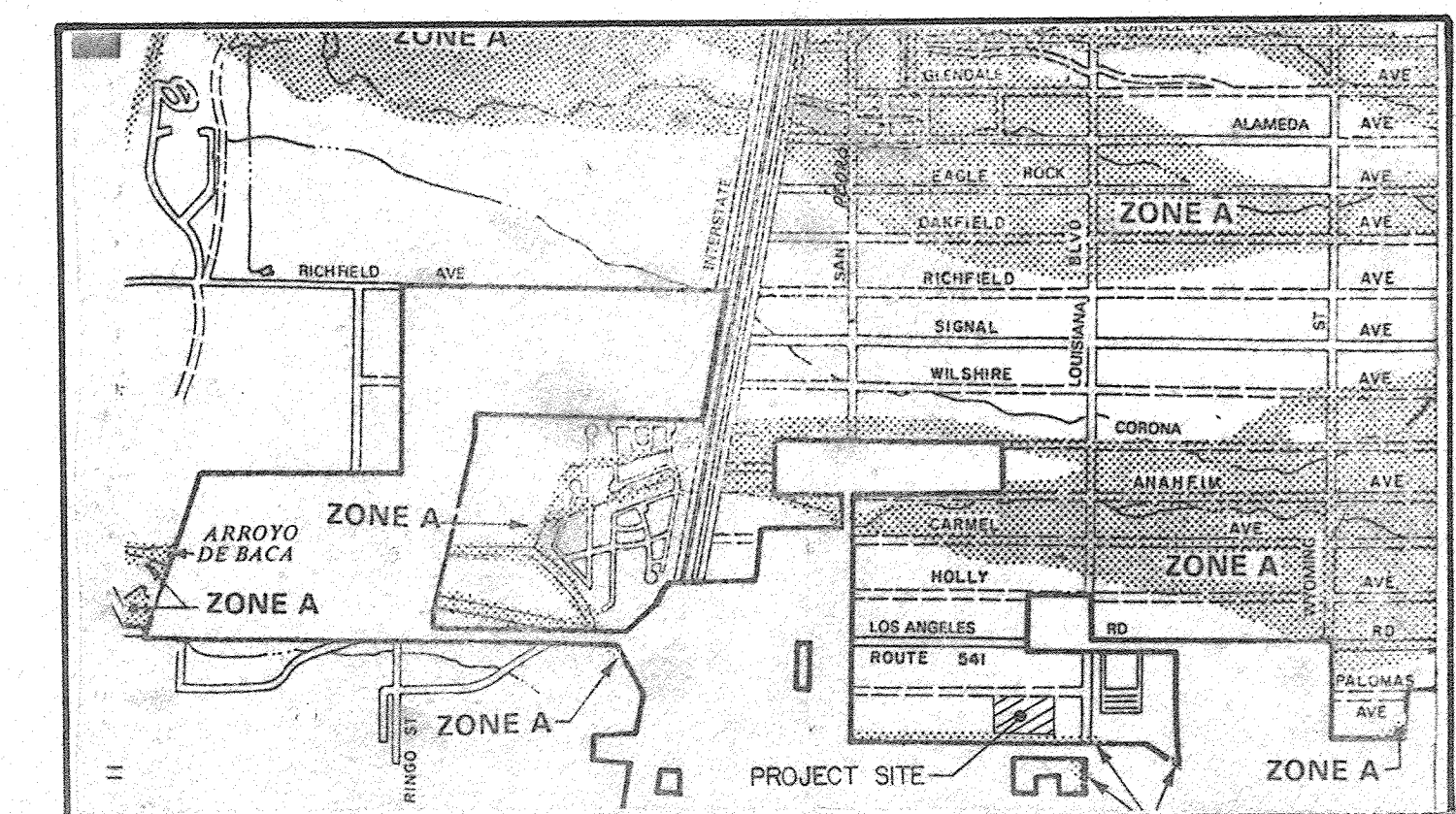
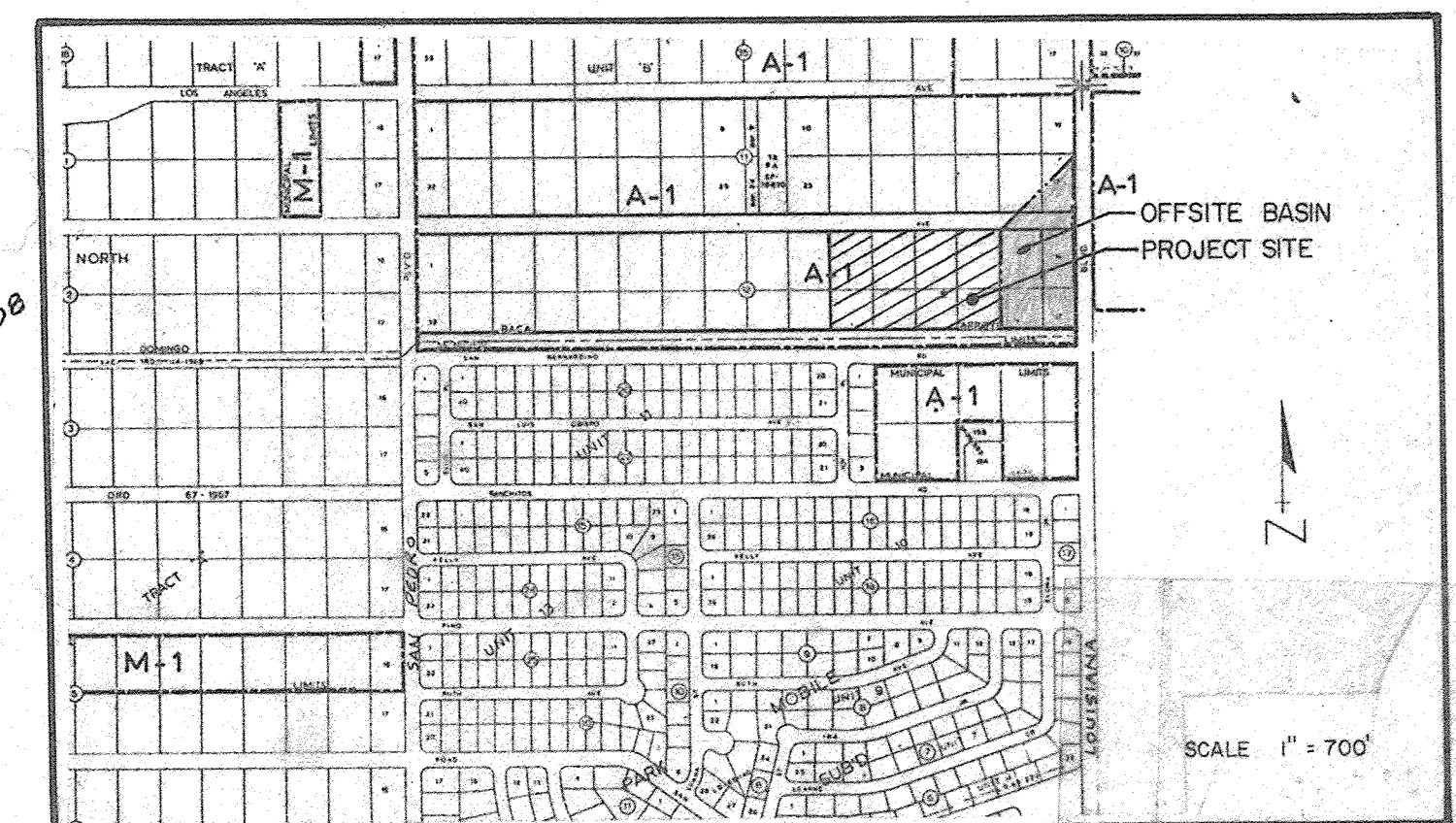
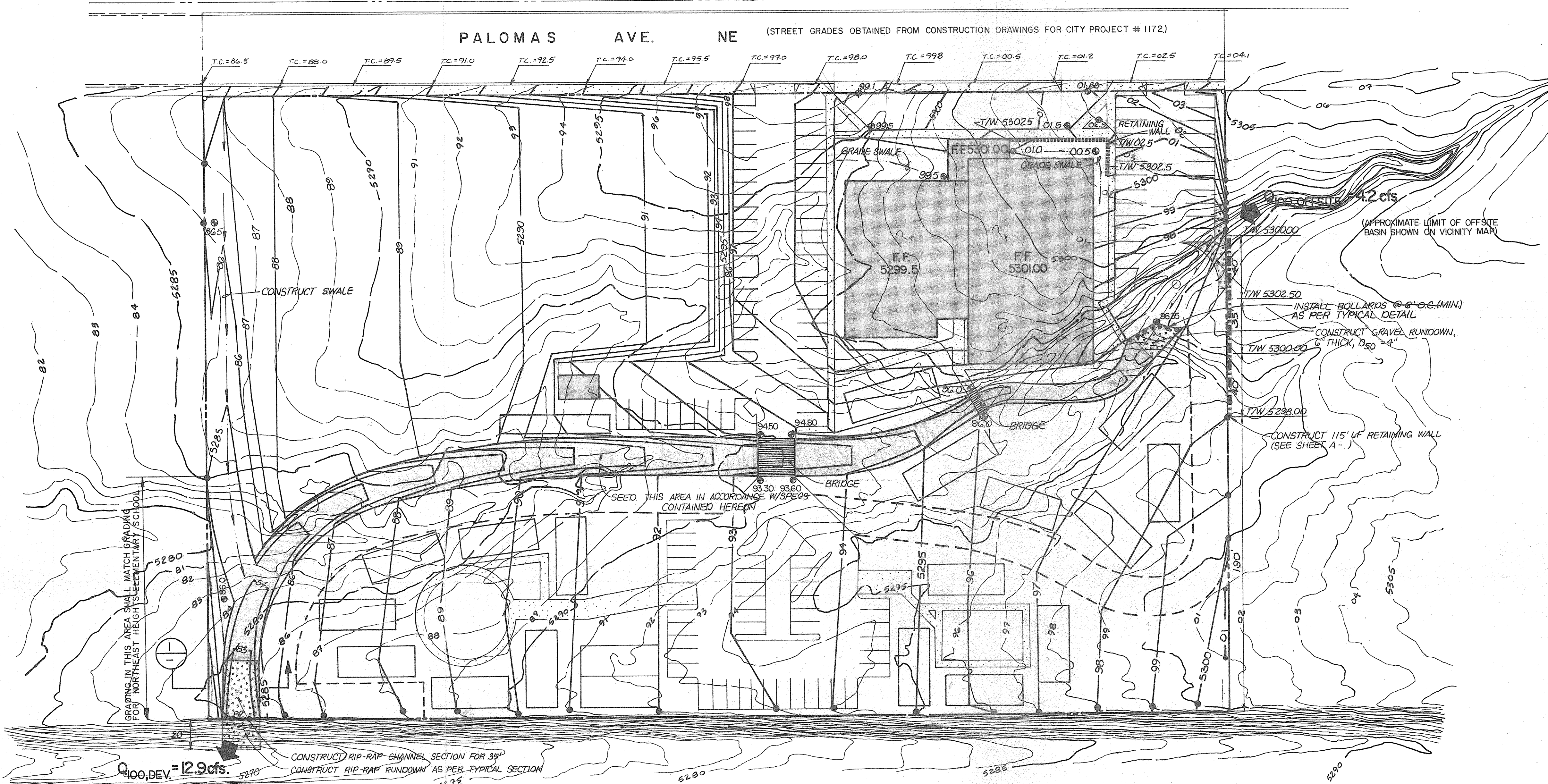
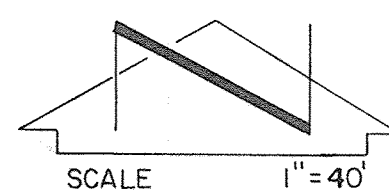
26. 03/24/1994, 94-0, 94-0, 94-0

27. 03/24/1994, 94-0, 94-0, 94-0

The main site plan illustrates the proposed drainage and grading for a development. It features several building footprints, including a large central building labeled 'F.F. 5298.17' and various smaller structures. The plan shows a network of roads and paths, with elevations marked along the boundaries. Drainage lines and catch basins are indicated, showing the flow of water across the site. The plan also includes a 'MATCHLINE' on the right side, indicating where the drawing continues. Various annotations and dimensions are provided throughout the plan to specify the proposed changes.



D18-D9



FLOOD HAZARD MAP

PLATE 3
1"=2000'

PROJECT BENCHMARK

A STANDARD A.C.S. BRASS TABLET STAMPED "11-D18-1978"
SET IN THE TOP OF A CONCRETE POST FLUSH WITH THE
GROUND AT THE SOUTHEAST CORNER OF THE INTERSECTION
OF SAN PEDRO BLVD., N.E. AND LOS ANGELES AVE., N.E.
ELEVATION = 5235.63 FEET (M.S.L.D.)

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- RETAINING WALL
- PORTABLE CLASSROOM
- PERMANENT BUILDING
- RIP-RAP
- AREA TO BE SEEDED W/NATIVE GRASSES

RECEIVED

NOV 24 1981

ENGINEERING

APPROVED FOR DRAINAGE

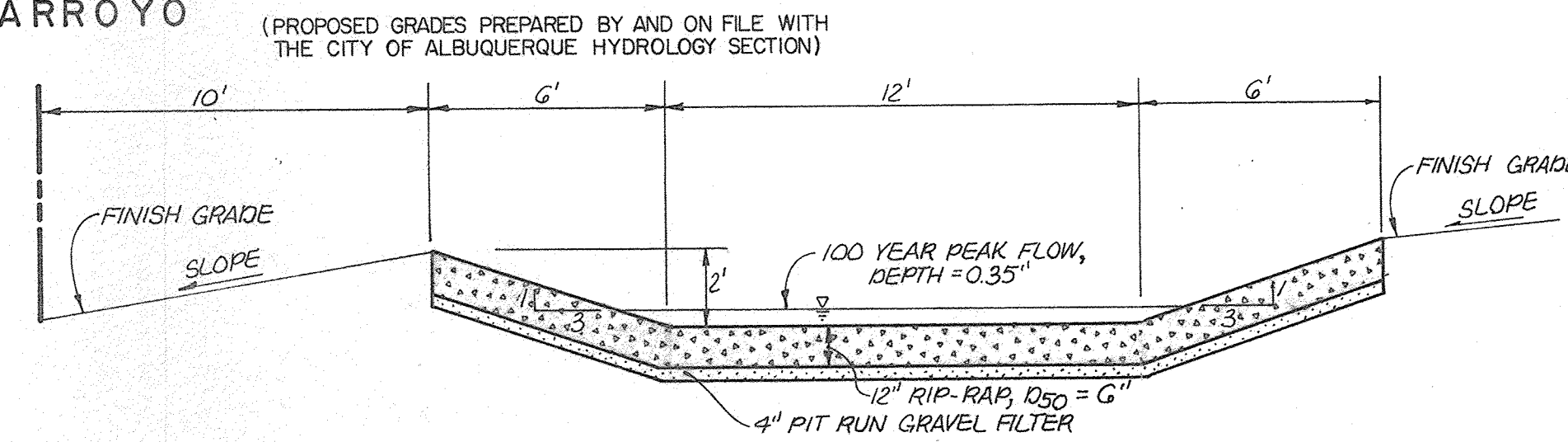
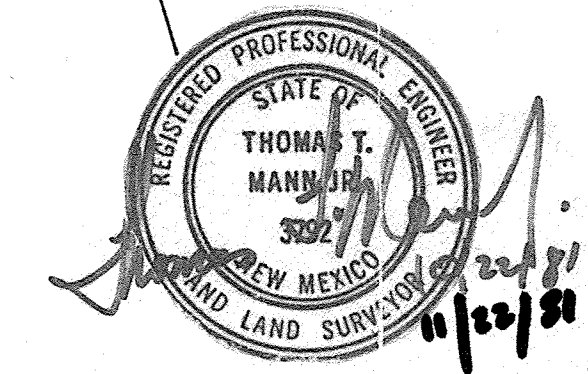
DATE 11/25/81

SIGNATURE

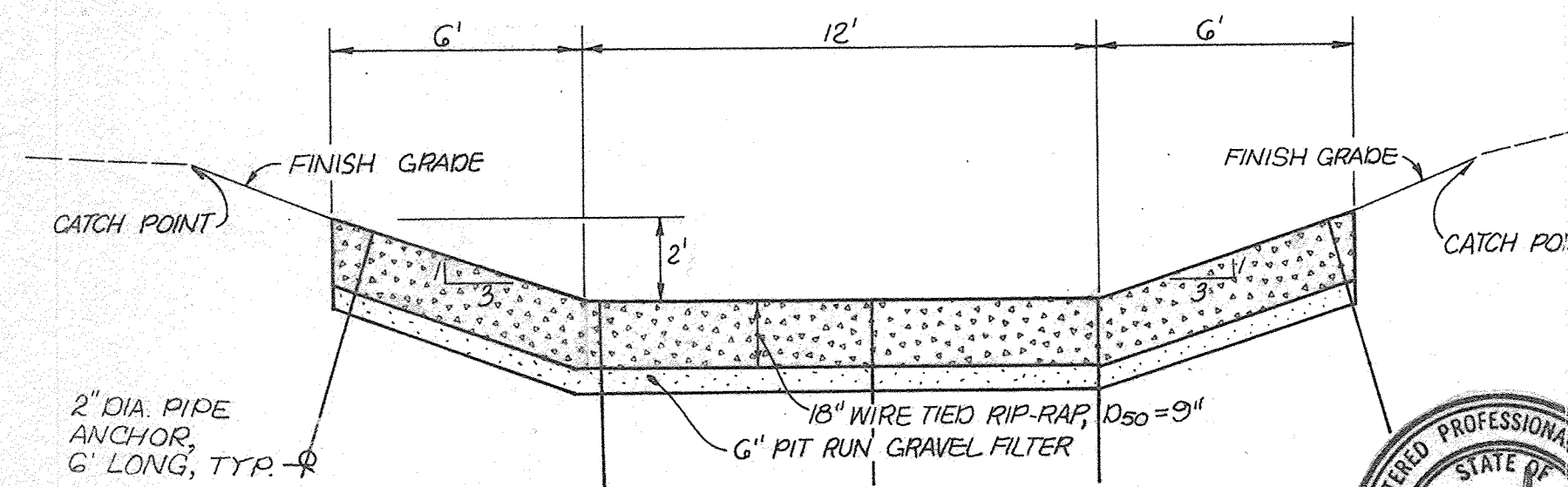
CONTINGENCIES

TYPICAL BOLLARD INSTALLATION

SCALE: 1"=3'



SECTION 1
SCALE: 1"=4'



TYPICAL RUNDOWN SECTION
SCALE: 1"=4'

DOMINGO BACA (CHANNEL) ARROYO

(PROPOSED GRADES PREPARED BY AND ON FILE WITH
THE CITY OF ALBUQUERQUE HYDROLOGY SECTION)

EXISTING CONDITION:

L = 1,200', Elev = 32', s = $\frac{1.00}{100} = 0.03$
Rainfall (P) = 2.5 in., and Rainfall Distribution = 75%,
t_c = 0.00013 $\frac{1.077}{0.385}$
Soil type = Etc (B soil w/15% cover - Herbaceous)
CN = 80
Analyzing the site by SCS Curve Number Method, Area = 6 Ac.,
Rainfall (P) = 2.5 in., and Rainfall Distribution = 75%,
t_c = 0.00013 $\frac{1.077}{0.385}$
V₁₀₀, Exist = 8.4 cfs
V₁₀₀, Exist = 0.45 ac-ft.
Analyzing offsite by SCS Curve Number Method, Area = 3 Ac.,
C₁₀₀, Offsite = 4.2 cfs
C₁₀₀, Offsite = 0.225 ac-ft.
C₁₀₀, Offsite = 2 cfs

PROPOSED CONDITION:

Natural areas = 2.2 Ac (CN = 80)
Building and paved areas = 1.8 Ac (CN = 95)
Landscape areas = 2.0 Ac (CN = 65)
Composite CN = $\frac{2.2(80) + 1.8(95) + 2.0(65)}{6} = 81$
By SCS Curve Number Method,
C₁₀₀, Dev = 8.7 cfs
V₁₀₀, Dev = 0.47 ac-ft.
AQ = C₁₀₀, Dev - C₁₀₀, Exist = 9.7-8.4 = 0.3 cfs
Peak discharge increased by only 0.3 cfs due to development.
C₁₀₀, Dev = 4.2 cfs
Q₂ = C₁₀₀, Dev + C₁₀₀, Offsite = 8.7 + 4.2 = 12.9 cfs

CHANNEL:

Q = $\frac{1.49}{1.49} A R^{2/3} S^{1/2}$ (Manning Equation)
Where n = 0.035 (Hydrology for Engineers, Linsley, et al., 1975)
s = 0.022
For design flow, Q = 13 cfs,
d = 0.35'
v = 3 fps
For 10-year flow, Q₁₀, Dev = 2 cfs + 4.2 = 6.2 cfs
d = 0.23'
v = 2.3 fps

VEGETATION FOR EROSION CONTROL

Species	Pure Live Seed (lbs/acre)*
Annual Ryegrass	8.0
Giant Dropseed	2.0
Sand Dropseed	1.0
Indian Ricegrass	4.0
Sideoats Grama	6.0
Total	21.0

*Rates apply to drilled seed. Double rates listed if seed is broadcast.

2. FERTILIZER
200 bulk lbs. 0-20-0 Super Phosphate per acre
150 bulk lbs. 45-0-0 Urea per acre
3. MULCH
5,000 lbs. hay mulch per acre
4. WATERING SCHEDULE
WEEK NO. 1 2 3 4 5 6 Total
IN/ACRE 1.0/1.0* 2.0 1.0 1.0 0.5 0.5 7.0

*Two (2) applications three (3) days apart are required the first week.

DRAINAGE PLAN

The following items concerning the Drainage Plan for Hope High School are contained hereon:

- Vicinity Map
- Flood Hazard Map
- Grading Plan
- Calculations

The proposed improvements, as shown by the Vicinity Map, are located on the south side of Palomas Avenue N.E. between San Pedro Boulevard N.E. and Louisiana Boulevard N.E. The site is more particularly described as Lots 11-14 and the northerly 164 feet of Lots 19-22, Block 12, Tract A, Unit A, North Albuquerque Acres. At present, the site is undeveloped.

The site does not lie within a designated flood hazard zone, as demonstrated by the Flood Hazard Map. The Dominga Baca Arroyo lies along the southerly boundary of the site. In the undeveloped condition, a minor arroyo traverses the site. This arroyo enters the site on the easterly boundary carrying a 100-year peak discharge of 4.2 cfs. The construction of Palomas Avenue along the north boundary of the site will prevent off-site flows from entering from the north. Due to the nature of the topography, no offsite flows will enter the site from the south or the west.

The Grading Plan shows (1) existing contours at 1'-0" intervals, (2) proposed grades indicated by spot elevations and contours at 1'-0" intervals, (3) swales, (4) continuity between proposed and existing elevations and (5) an earthen channel running essentially northeasterly to southeasterly intended to convey offsite flows as well as runoff generated within the site. Because the site will consist of paved areas, building areas, landscaped areas, natural vegetation and rip-rap, soil erosion will not be accelerated by the developed site. Finished floor elevations have been established to avoid flooding.

The site has been graded, for the most part, to drain to the Dominga Baca Arroyo. This drainage scheme is consistent with the existing drainage pattern as well as the pre-design conference minutes as recorded by the City of Albuquerque Hydrology Section for Hydrology Project No. D18-07. Although the pre-design conference was held for Hope High School, it was expressed during the meeting that the findings would also pertain to the development of the site. The pre-design conference findings permit (1) the free discharge of runoff to Palomas Avenue from the school entrance, (2) that no ponding be required and (3) the free discharge of runoff from the site to the arroyo. The site has been graded with these points in mind. To achieve this, the majority of the site drains to an earthen channel to be constructed through the center of the site. This earthen channel, as stated above, will accept the offsite runoff from the east and will convey that runoff, combined with runoff generated within the site, to a point of discharge located at the southwest corner of the site.

The Calculations shown hereon analyze existing and proposed drainage conditions by the Soil Conservation Service (SCS) Curve Number Method. These calculations demonstrate that the peak discharge from the site is increased by only 0.3 cfs due to development. Although impervious areas have been created, landscaped areas have been added, which improve the surface drainage characteristics of the site. It is because of this that the development of this site will not significantly increase the peak discharge from the site.

The calculations which appear below also demonstrate the adequacy of the earthen channel. These calculations analyze not only the capacity of the channel, but also the depth and velocities anticipated for the 10- and 100-year flows. These calculations are based on the usage of the Mannings equation.

DRAINAGE CONCEPT

EXISTING
THE EXISTING SCHOOL SITE CONSISTS OF NUMEROUS BUILDINGS, PAVED AND UNPAVED PARKING AREAS, GRASS PLAYFIELDS, AND SAND/DIRT PLAYGROUND AREAS. ALL RUNOFF IS DIRECTED TO THE SOUTHWEST CORNER OF THE SITE WHERE AN EXISTING CONCRETE SIDE-INLET ACCEPTS FLOWS INTO THE CONCRETE-LINED DOMINGO BACA ARROYO. EXISTING STORM DRAIN INLETS IN LOUISIANA BLVD NE INTERCEPT PUBLIC OFF-SITE FLOWS WHICH ARE ALSO DISCHARGED TO THE DOMINGO BACA ARROYO.

PRECIPITATION ZONE: 3 AREA = 8.5456 ACRES
LAND TREATMENT: 0% A 30% B 41% C 29% D

$Q_{100} = (2.58)(2.60) + (3.47)(3.45) + (2.50)(5.02)$
 $Q_{100} = 31.2 \text{ CFS}$

$V_{100} = [(2.58)(0.92) + (3.47)(1.29) + (2.50)(2.36)]/12$
 $V_{100} = 1.06 \text{ AC-FT}$

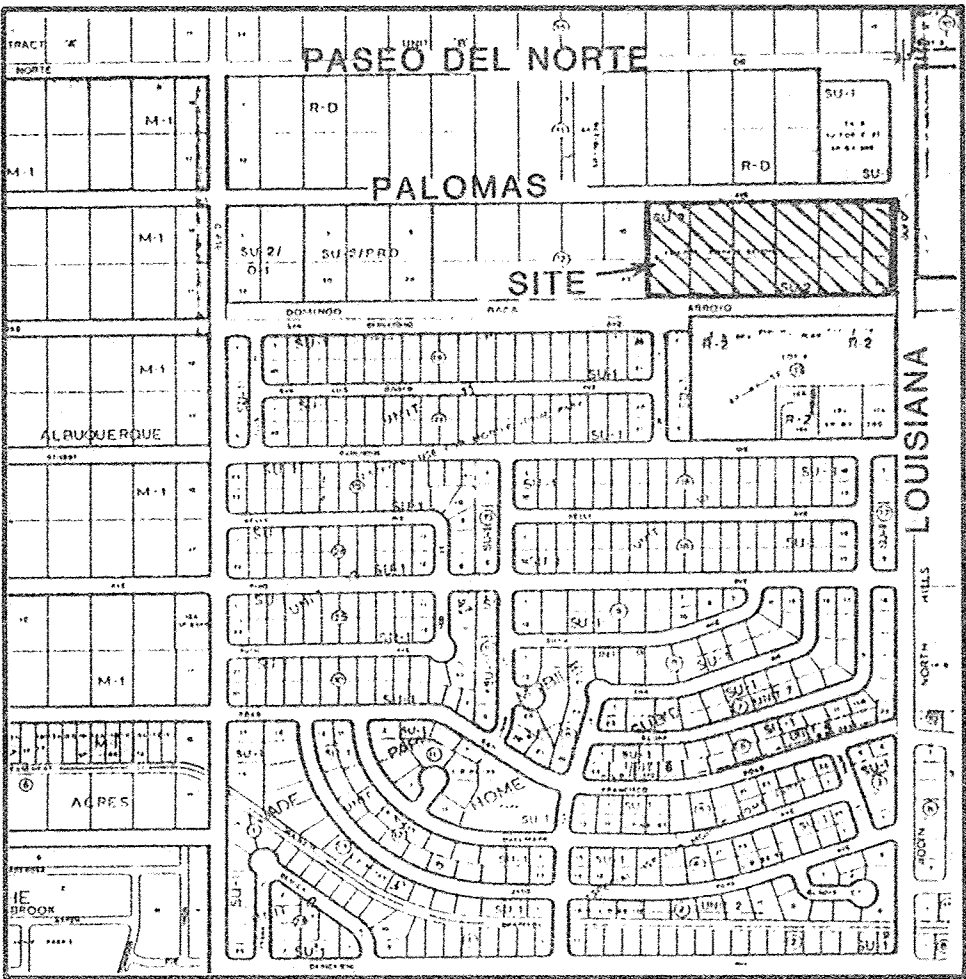
7-5-94 REVISION: THE EXISTING CLASSROOM BLDG. (NOTED AS A RELOCATION IN REV. NO. 2) HAS BEEN SHOWN NEAR THE GYM. A REPLACEMENT BLDG. IS PROPOSED TO BE PLACED IN THE LOCATION OF THE EXISTING BLDG. AS SHOWN. FINISH FLOOR ELEVATIONS HAVE BEEN GIVEN FOR THE TWO BUILDINGS PROPOSED AT THIS TIME (NOTED AS Δ).

PROPOSED
PROPOSED SITE IMPROVEMENTS INCLUDE 9,600 SQUARE FEET ADDITIONAL BUILDING AREA AND 30,600 SQUARE FEET ADDITIONAL PAVED PARKING AREA. HISTORIC DRAINAGE PATTERNS WILL REMAIN UNCHANGED.

LAND TREATMENT: 0% A 30% B 30% C 40% D

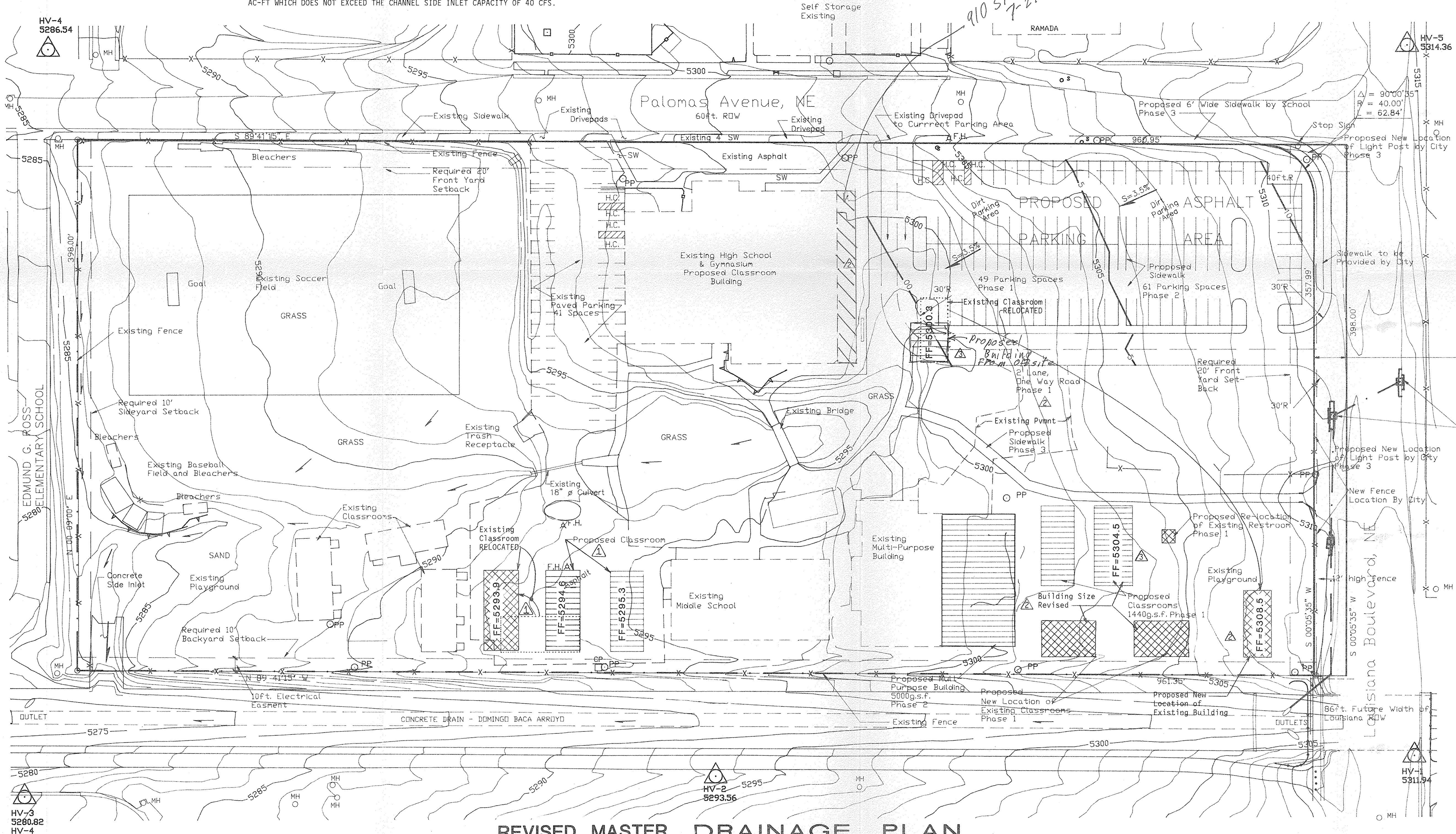
$Q_{100} = (2.58)(2.60) + (2.56)(3.45) + (3.41)(5.02)$
 $Q_{100} = 32.7 \text{ CFS}$
 $V_{100} = [(2.58)(0.92) + (2.56)(1.29) + (3.41)(2.36)]/12$
 $V_{100} = 1.14 \text{ AC-FT}$

THE PROPOSED DEVELOPMENT INCREASES RUNOFF APPROXIMATELY SIX (6) PERCENT.



SCALE: 1"=750'± VICINITY MAP

D-18



SITE AREA: 8.5456 ACRES

SOILS: PANEL 11 OF THE SCS SOIL SURVEY OF BERNALILLO COUNTY SHOWS SITE SOILS TO BE EMBUDO-TIJERAS, A GRAVELLY FINE SANDY LOAM, CLASSIFIED AS DRAINAGE SOIL GROUP 'B'.

LEGAL DESCRIPTION: LOTS 11-22, BLOCK 12, TRACT A, UNIT A, NORTH ALBUQUERQUE ACRES.

SURVEY(S): BOUNDARY SURVEY BY BILL PETTIT (11-92) AND TOPOGRAPHIC SURVEY BY THOMAS R. MANN (11-92).

BENCHMARK: ACS BENCHMARK "1-C19", A BRASS TABLET SET ON A CONCRETE POST FLUSH WITH THE GROUND 30 FT NORTH OF THE CENTERLINE OF PASEO DEL NORTE & 25 FT EAST OF THE CENTERLINE OF LOUISIANA BLVD NE.

ELEVATION = 5,318.20

25' Additional R/W to be Dedicated

Existing S/D Inlets

SCOTT M. ALFMAN
NEW MEXICO
10515
PROFESSIONAL
3-25-93
3-29-94 REV. NO. 1
6-10-94 REV. NO. 2
3-29-94 REV. NO. 3

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico

RECEIVED
HYDROLOGY DIVISION

no.	date	revision
7-5-94	SEE NOTE ABOVE LEFT	
6-10-94	SEE NOTE ABOVE LEFT	
3-29-94	3 PORTABLE BLDG LOCATIONS REVISED	

dekker/perich & associates
architects
planning
interiors
6501 Amerique Parkway, NE, Suite 675
Albuquerque, New Mexico 87110
505 885-3111 Fax 505-885-3000

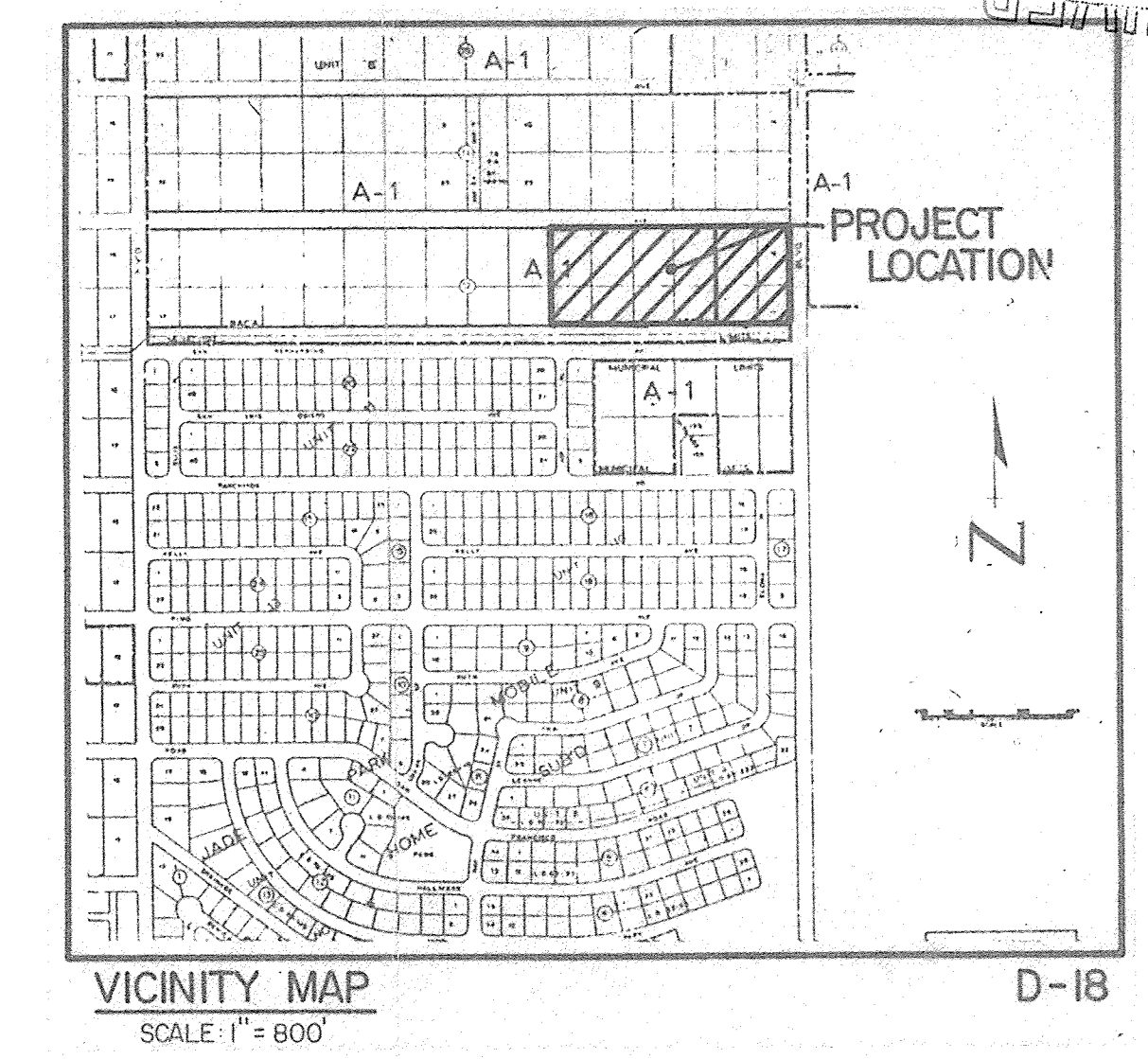
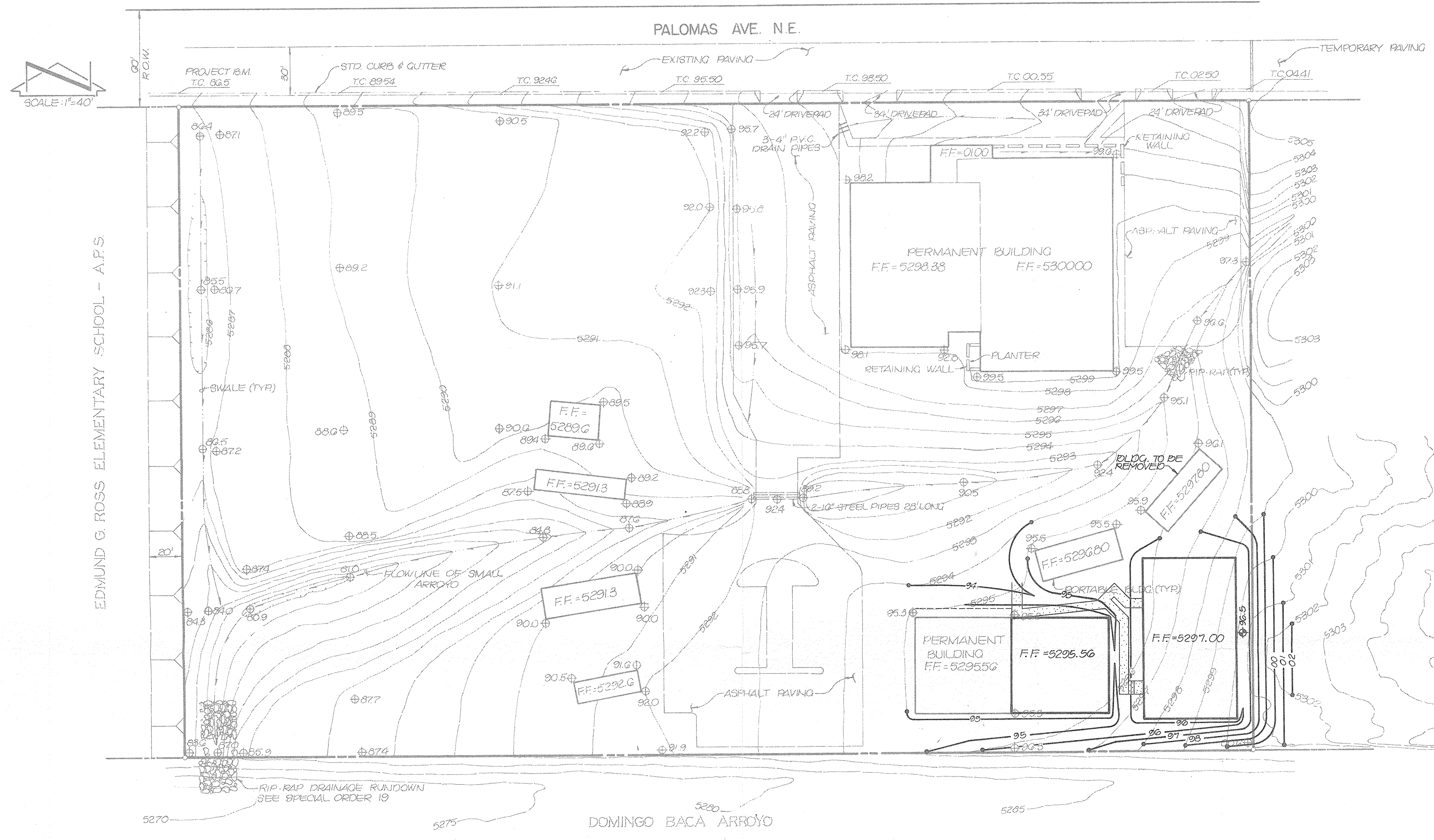
Hope Christian School
6800 Palomas NE
Albuquerque, NM

Grading Plan

job no. 92036	dm. by D/P & A
ckd. by D/P & A	issued 3/26/93
of	sheet

REVISED MASTER DRAINAGE PLAN

HYDROLOGY SECTION
APR 19 1984



DRAINAGE PLAN

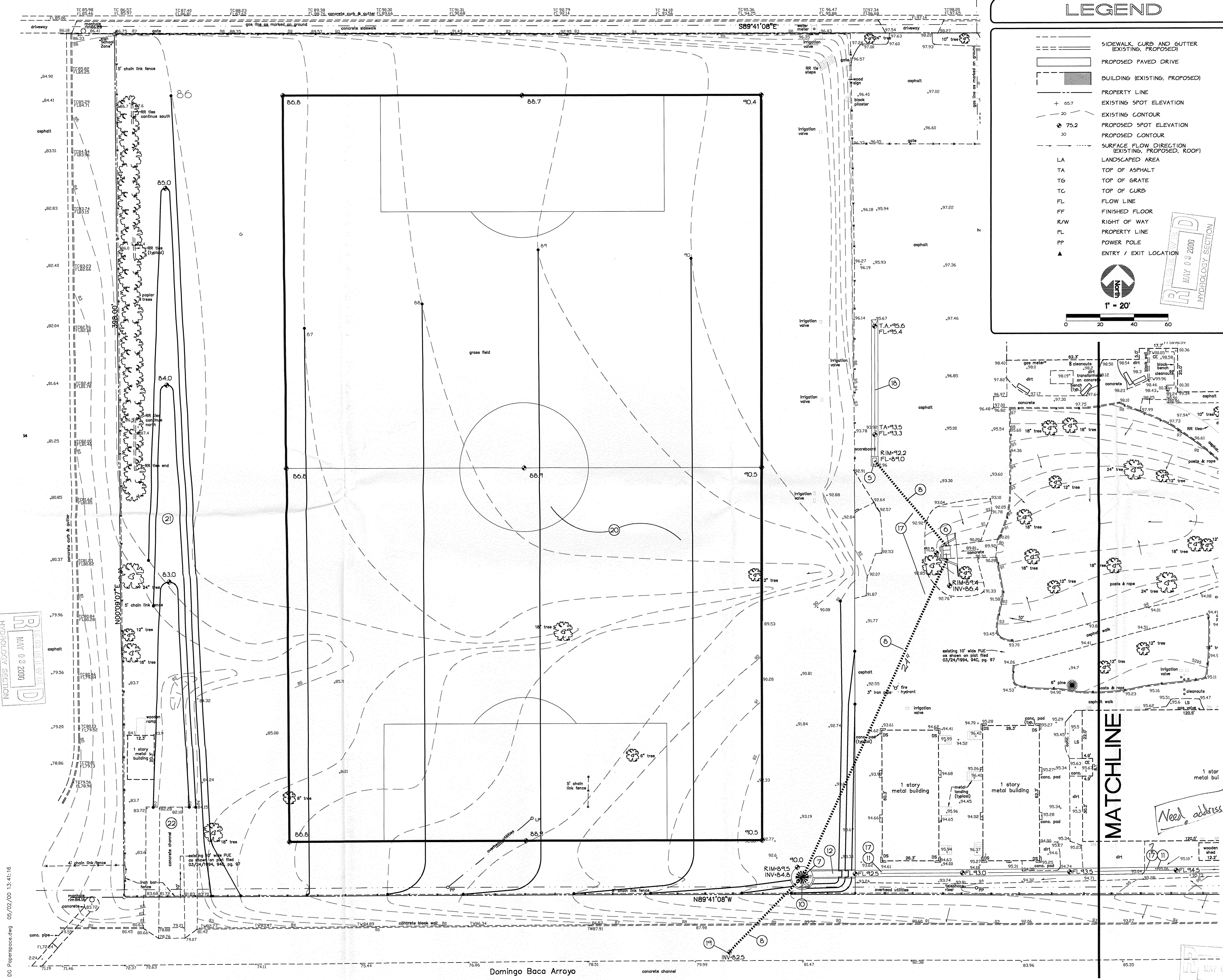
In 1981, a Grading Plan was prepared for the Hope High School campus. The plan was approved on November 23, 1981. The plan showed the proposed layout for the campus at that time. As a result of growth at the school, the buildings have not been arranged exactly as proposed in the 1981 plan. On August 12, 1982, an as-built drainage plan and certification for the campus was submitted to and approved by the City. A review of the plans shows that they are very similar, but not alike.

The basic plan calls for the discharge of all water into a small arroyo that traverses the site and discharges into the Domingos Baca Arroyo. Essentially, all facilities have been drained to conform with this plan. Since 1982, Hope High School has purchased the four lots directly east of the campus. They now own all of the land from the original campus to Louisiana Boulevard. There is no planned construction on the newly acquired land at this time. However, that land would easily fit in with the original drainage concept.

The construction program proposed with this drainage plan entails the construction of two permanent buildings. The buildings will be located in the southeast corner of the original campus. One of the buildings is free standing, while the second building is an extension of a permanent building. The site is graded to drain back to the arroyo in the middle of the campus. Offsite grading is required along the east side of the original campus. This does not present a problem since Hope High School owns the land to the east. At the present time, the amount of impervious area does not exceed the amount that was originally anticipated, therefore, the addition of these buildings will not increase the amount of runoff to the arroyo.

No calculations have been supplied since this is essentially a free discharge condition and is in conformance with the original drainage plan.





LEGEND

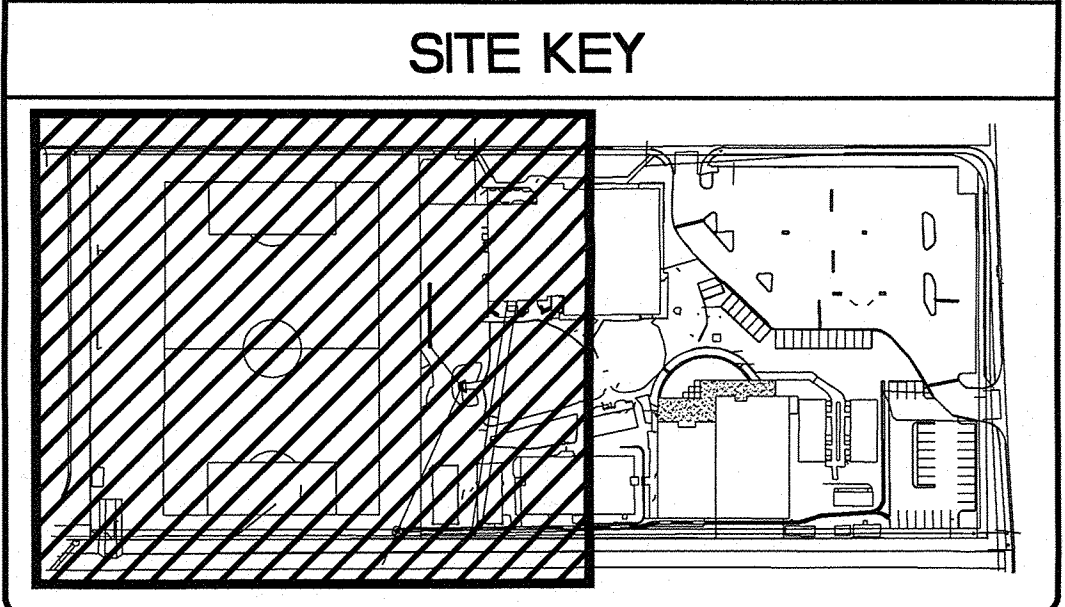
	SIDEWALK, CURB AND GUTTER (EXISTING, PROPOSED)
	PROPOSED PAVED DRIVE
	BUILDING (EXISTING, PROPOSED)
	PROPERTY LINE
	EXISTING SPOT ELEVATION
	EXISTING CONTOUR
	PROPOSED SPOT ELEVATION
	PROPOSED CONTOUR
	SURFACE FLOW DIRECTION (EXISTING, PROPOSED, ROOF)
	LANDSCAPED AREA
	TOP OF ASPHALT
	TOP OF GRATE
	TOP OF CURB
	FLOW LINE
	FINISHED FLOOR
	RIGHT OF WAY
	PROPERTY LINE
	POWER POLE
	ENTRY / EXIT LOCATION

1" = 20'

0 20 40 60

HYDROLOGY SECTION

- ### KEYNOTES
1. CONSTRUCT COA MEDIAN CURB AND GUTTER (COA STD. DETAIL 2415) WHERE CONCENTRATED FLOWS ARE CARRIED AND AS NOTED.
 2. GRADE A SHALLOW SWALE WITHIN LANDSCAPING AT ELEVATIONS SHOWN TO DIRECT FLOWS TO PROPOSED INLETS, SIDEWALK CULVERTS, LOW POINTS.
 3. CONSTRUCT CONCRETE WALK / PATIO THIS AREA AT GRADES SHOWN. SEE ARCHITECTURAL FOR ADDL INFO.
 4. CONSTRUCT 1 BOTTOM WIDTH SIDEWALK CULVERT AT ELEVATIONS SHOWN TO ALLOW CONCENTRATED FLOWS TO PASS. SEE DETAIL SHEET C3 FOR ADDL INFO.
 5. INSTALL SINGLE INLET CATCH BASIN WITH GRATE AND CONCRETE COLLAR PER STORM SEWER DETAIL SHEET C3.
 6. INSTALL TRIPLE INLET CATCH BASIN WITH GRATE AND CONCRETE COLLAR PER STORM SEWER DETAIL SHEET C3.
 7. INSTALL STORM DRAIN MANHOLE / INLET PER STORM SEWER DETAIL SHEET C3.
 8. INSTALL STORM DRAIN PIPE WITH INVERTS AS SHOWN. SEE STORM DRAIN DETAIL SHEET C3 / C4 FOR DETAILS, INVERTS, SLOPES, ETC.
 9. TOP OF PROPOSED WALKS THIS AREA TO MATCH TOP OF EXISTING WALKS FOR SMOOTH TRANSITION.
 10. CONSTRUCT RETAINING / EXTENDED STEMWALLS AS REQUIRED TO ACHIEVE GRADE DIFFERENCES SHOWN. SEE ARCHITECTURAL FOR ADDL INFO.
 11. CONSTRUCT 6" DEPRESSED CONCRETE V. GUTTER TO CARRY CONCENTRATED FLOWS AS SHOWN. SAWCUT ASPHALT / CONCRETE AS REQUIRED TO CONSTRUCT. WIDTH WILL VARY TO PROVIDE SMOOTH TRANSITION TO ADJOINING PAVEMENT. SEE SHEET C3 FOR DETAILS.
 12. CONSTRUCT 'U' SHAPED CONCRETE RUNDOWN TO DIRECT CONCENTRATED VALLEY GUTTER FLOWS TO STORM DRAIN MANHOLE INLET. SEE SHEET C3 FOR DETAILS.
 13. EXISTING TREE(S) THIS AREA TO REMAIN. CONTRACTOR TO MINIMIZE REGRADING WITHIN TREE CANOPY AREA. SEE ARCHITECTURAL FOR ADDITIONAL INFORMATION.
 14. ROOF FLOWS FROM THE PROPOSED BUILDING WILL BE DIRECTED TO THE SOUTHEAST CORNER AND RELEASED INTO THE PROPOSED VALLEY GUTTER.
 15. CONSTRUCT HEADER CURB (COA STD. DETAIL 2415) WHERE NO CONCENTRATED FLOWS ARE CARRIED AND AS NOTED.
 16. FIELD ADJUST GRADES THIS AREA AS REQUIRED TO ACHIEVE OVERALL SMOOTH TRANSITION.
 17. SAWCUT / REMOVE AND REPLACE EXISTING ASPHALT PAVEMENT AS REQUIRED TO INSTALL STORM SEWER LINE AND CONCRETE VALLEY GUTTER.
 18. CONSTRUCT 2" DEPRESSED CONCRETE VALLEY GUTTER TO DIRECT CONCENTRATED FLOWS TO PROPOSED INLET. SAWCUT EXISTING ASPHALT AS REQUIRED TO CONSTRUCT. SEE SHEET C3 FOR DETAILS.
 19. SEE STORM DRAIN OUTLET PIPE DETAIL - SHEET C3.
 20. REGRADE SOCCER FIELD TO GRADES SHOWN. SEE ARCHITECTURAL FOR ADDITIONAL INFORMATION.
 21. CONSTRUCT GRADED SWALE AT ELEVATIONS SHOWN THIS AREA TO DIRECT FLOWS TO THE EXISTING CONCRETE CHANNEL ACCESS TO THE DOMINGO BACA ARROYO.
 22. EXISTING CONCRETE CHANNEL ACCESS TO THE DOMINGO BACA ARROYO.
 23. CONSTRUCT 'U' SHAPED CONCRETE CHANNEL WITHIN ISLAND AT FLOWLINE ELEVATIONS SHOWN TO ALLOW FLOWS TO PASS.



C.L. WEISS ENGINEERING, INC.

CHRISTOPHER L. WEISS
NEW JERSEY
REGISTERED PROFESSIONAL ENGINEER
533-00

SANDIA PARK OFFICE

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SANDIA PARK, NM 87047
(505) 281-1800

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100 ALVARADO DR. NE
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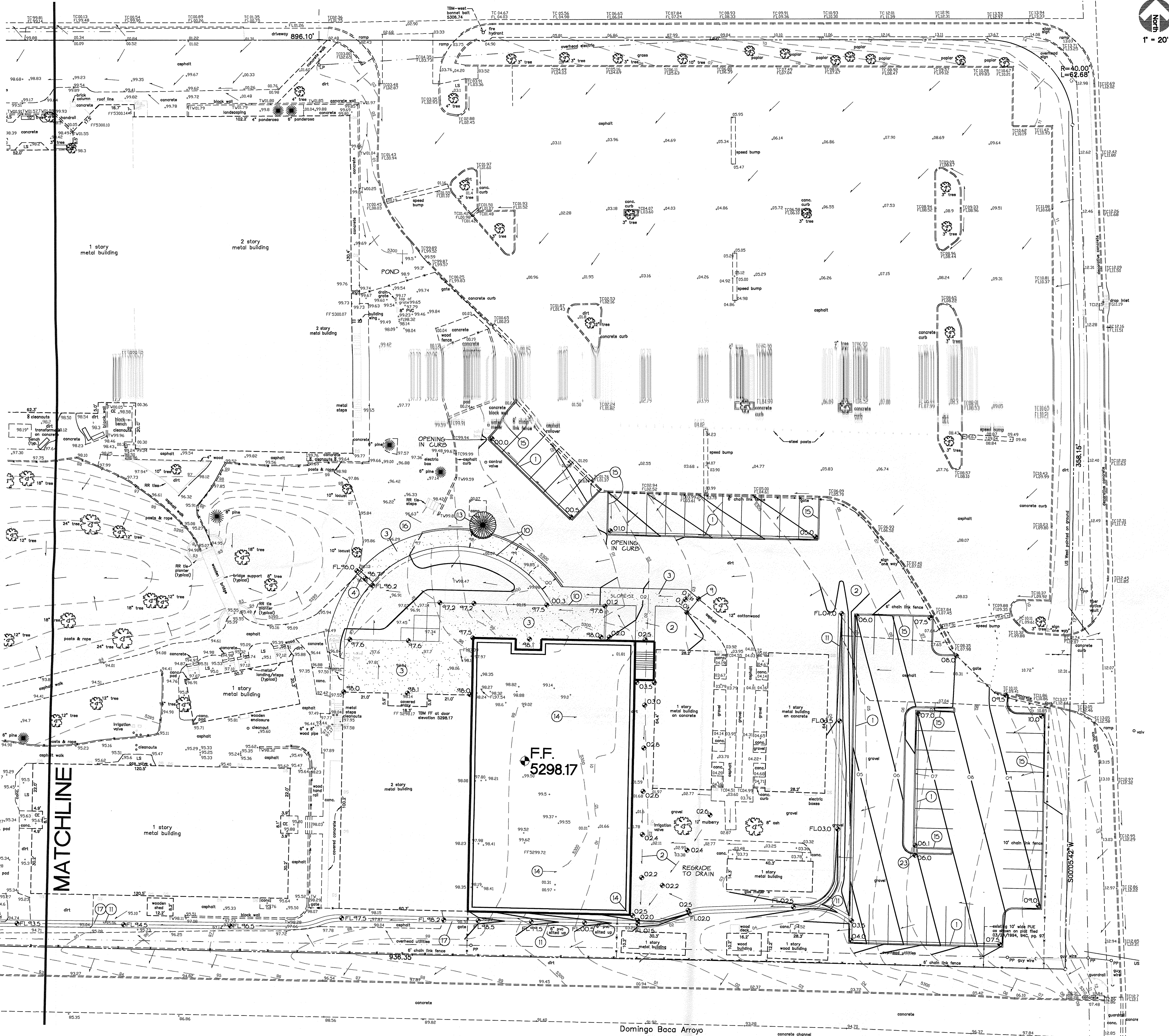
**HOPE CHRISTIAN SCHOOL
CAMPUS ADDITIONS**

Genesis

Scale: 1" = 20' Drawn By: BJB Checked By: CLW Job Number: Date: MAY 2000

Drainage and Grading Plan

C-1
SH. OF

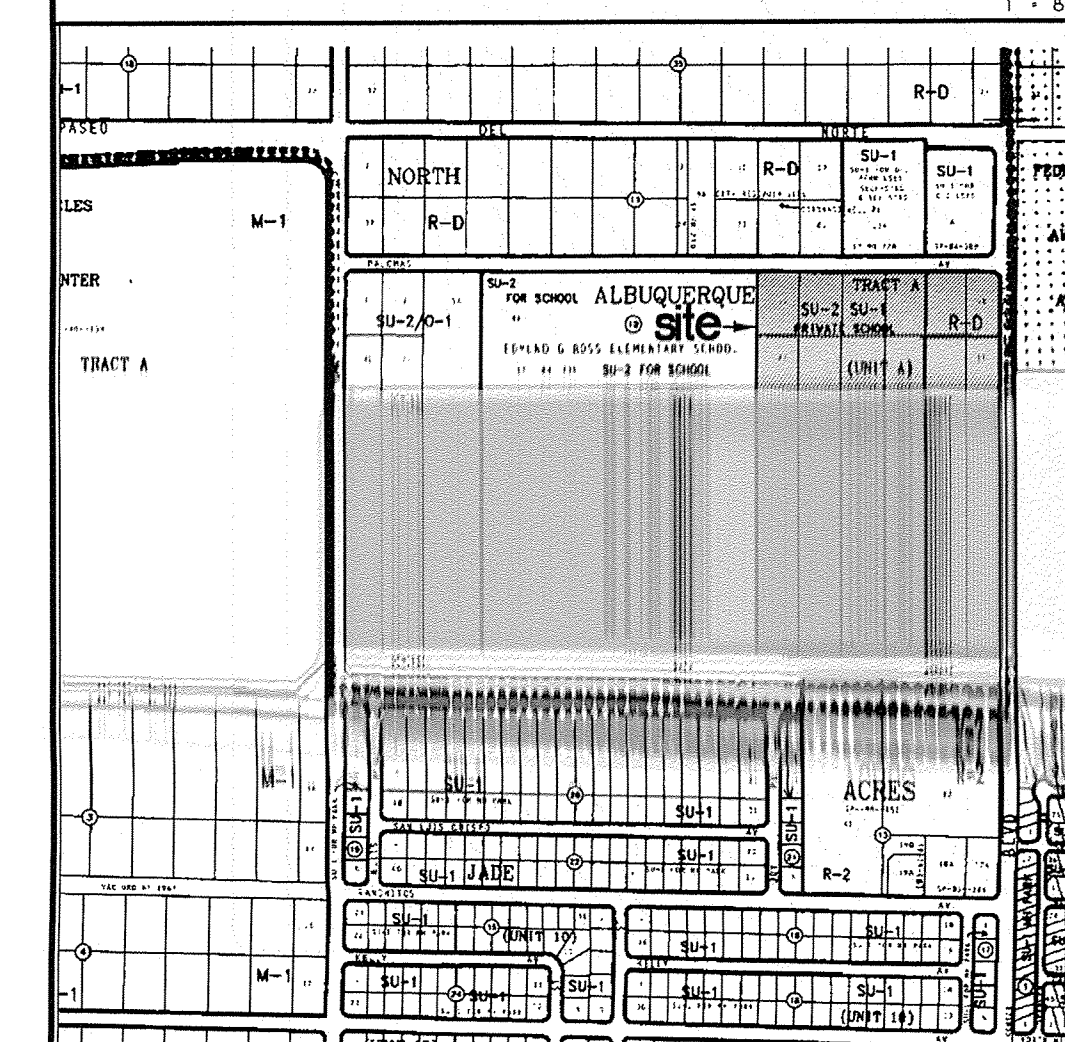


KEYNOTES

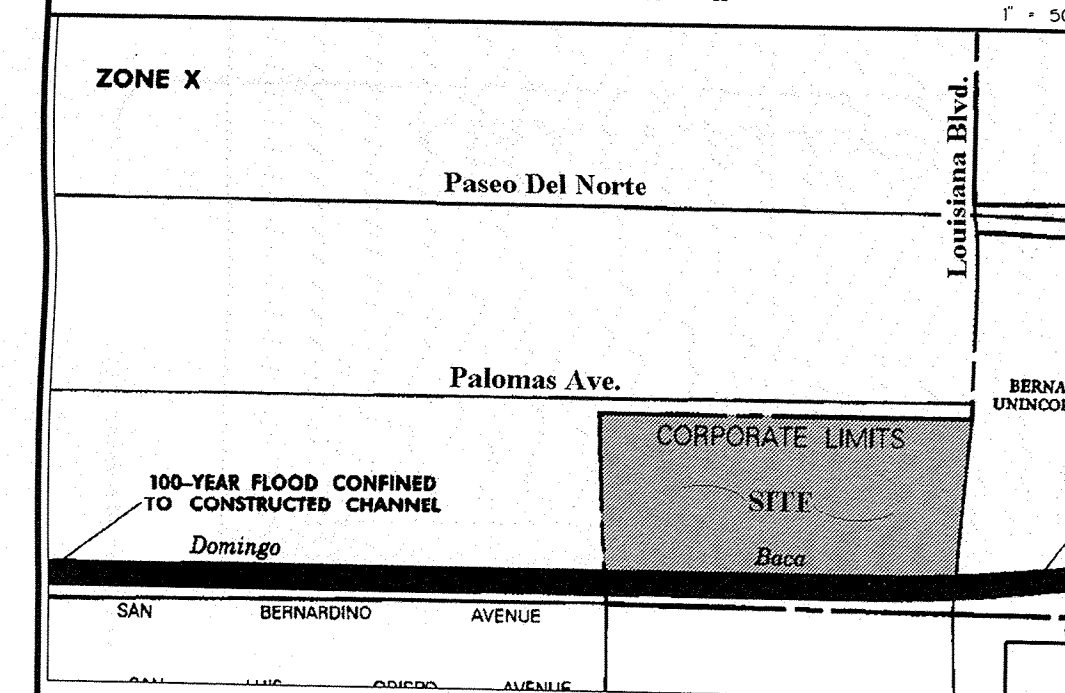
GENERAL NOTES

- SEE ARCHITECTURAL PLANS FOR ALL SITE PLAN INFORMATION AND DIMENSIONS
- SEE ARCHITECTURAL PLANS FOR SITE DEMOLITION INFORMATION
- ALL RIP-RAP TO BE MIN. 6" DIA. ANGULAR RIP-RAP.

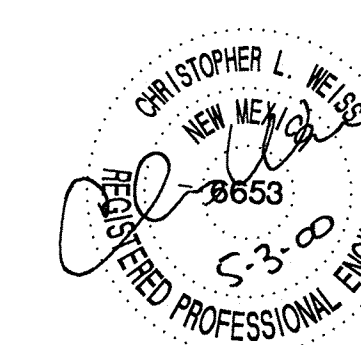
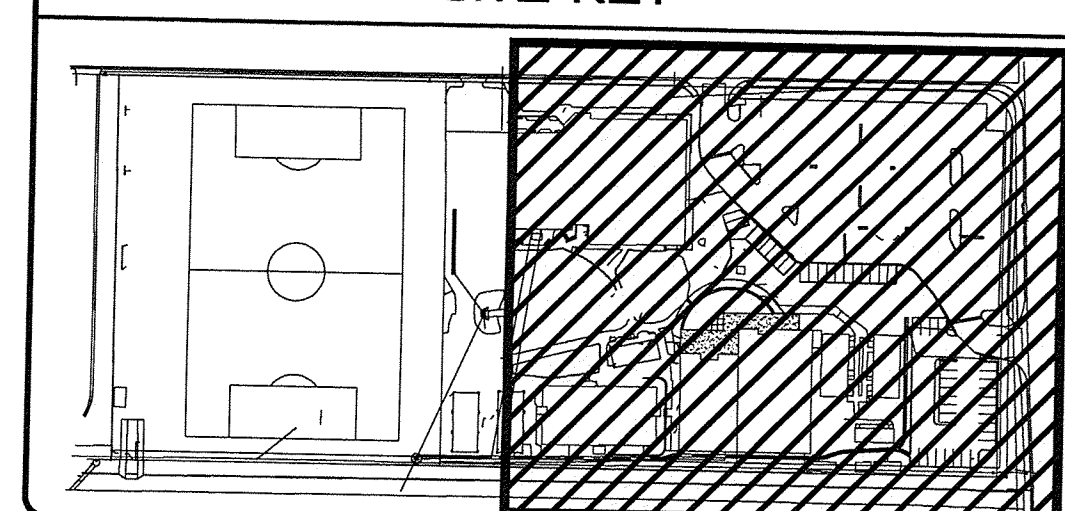
VICINITY MAP



FEMA MAP



SITE KEY



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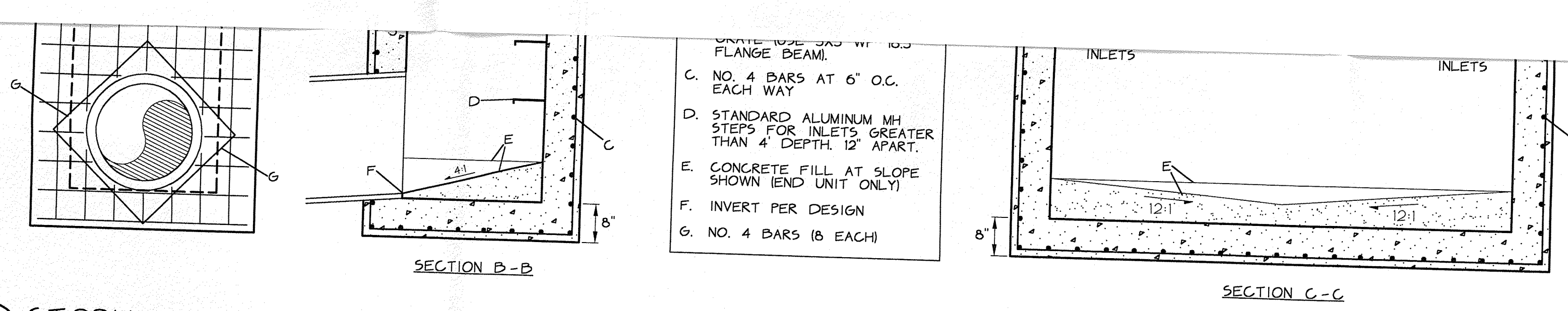
HOPE CHRISTIAN SCHOOL CAMPUS ADDITIONS

Genisis

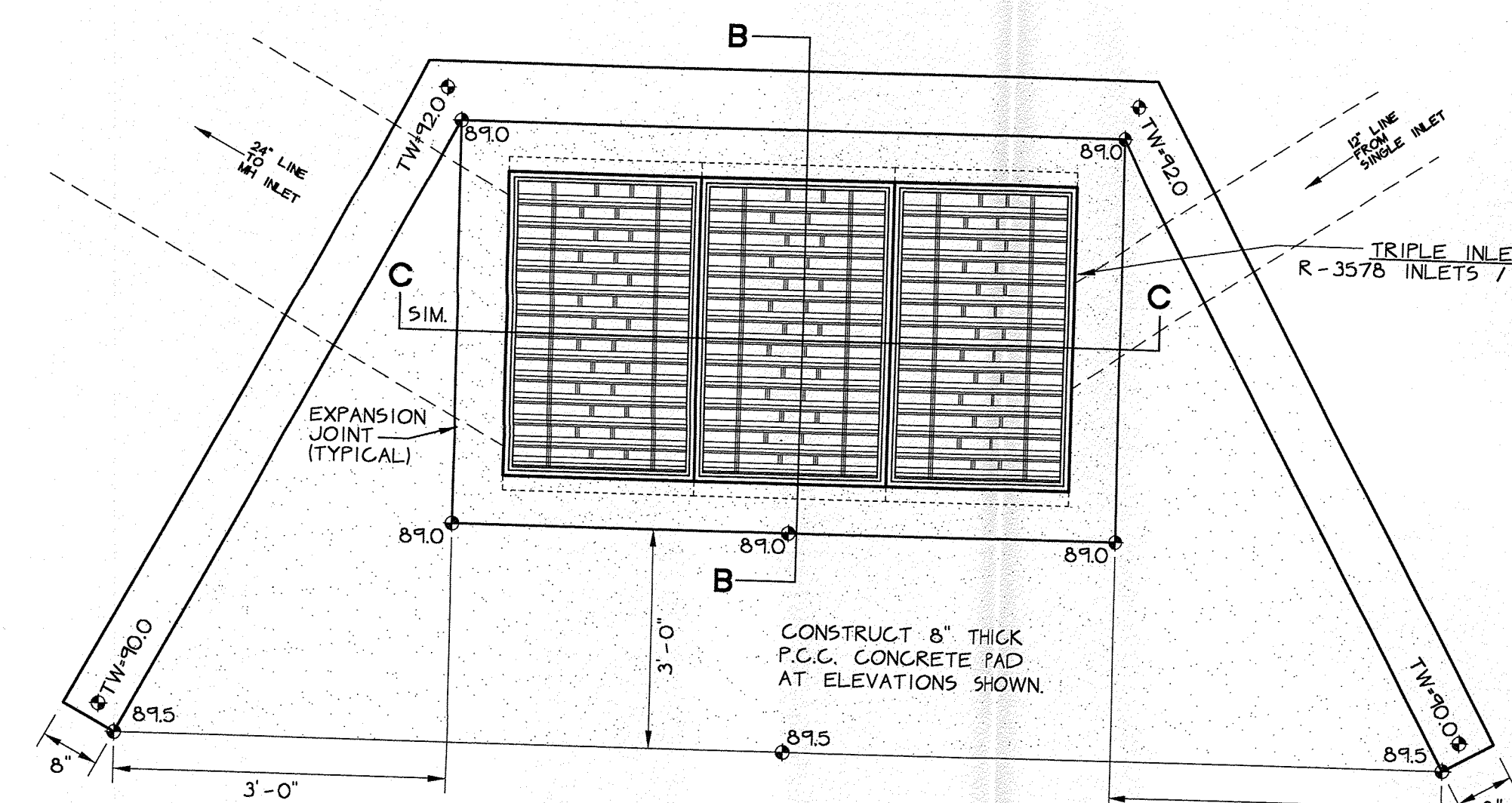
Scale: 1" = 20' Drawn By: BJB Checked By: Job Number: Date: MAY 2000
Drainage and Grading Plan C-2 SH. OF

G STORM DRAIN PLAN

- SEE DRAINAGE/GRADING PLAN FOR LEGEND N.T.S.
- DISTANCES ARE CENTER TO CENTER



H STORM SEWER INLET CONSTRUCTION - STRUCTURAL INFORMATION



J TRIPLE INLET PLAN

SEE DETAIL THIS SHEET FOR STRUCTURAL INFORMATION

K SINGLE INLET PLAN

SEE DETAIL THIS SHEET FOR STRUCTURAL INFO.

L SIDEWALK CULVERT

SEE DETAIL THIS SHEET FOR STRUCTURAL INFO.



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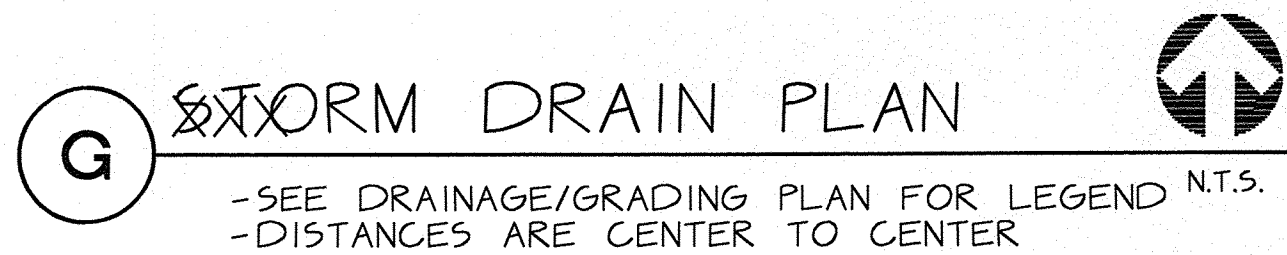
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HOPE CHRISTIAN SCHOOL CAMPUS ADDITIONS

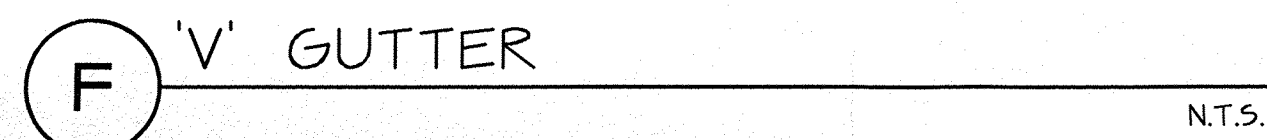
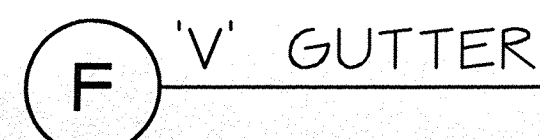
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Scale: N.T.S. Drawn By: BJB Checked By: Job Number: Date: MAY 2000
Storm Drain and Paving Details C-3 SH. OF

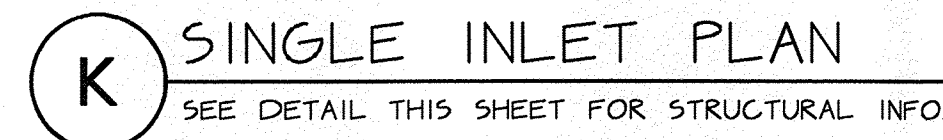
KEYNOTES

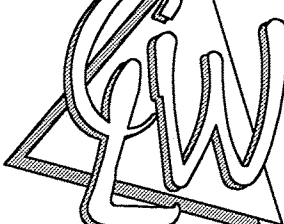


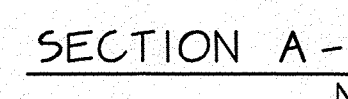
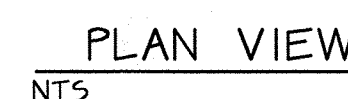
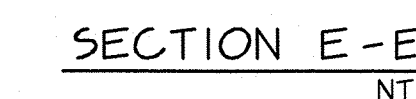
1. USE STANDARD CAST IRON FRAME AND COVER (TOTAL WEIGHT = 325 LBS/PC) WITH "TORN SEWER" CAST ON COVER. FRAME SHALL HAVE TAB TO PREVENT LATERAL MOVEMENT.
2. CONCRETE PIPE SUPPORTS SHALL EXTEND OUTSIDE OF MANHOLE OF FIRST JOINT AS SHOWN AND SHALL CRADLE PIPE TO SPRING LINE.
3. INVERT ELEVATIONS AND DROP OF INVERT THROUGH MANHOLE SHALL BE ACCORDING TO PLANS.



SECTION C-C



	C.L. WEISS ENGINEERING, INC. 								
	SANDIA PARK OFFICE POST OFFICE BOX 97 SANDIA PARK, NM. 87047 (505) 281-1800 ALVARADO OFFICE 1100 ALVARADO DR. NE. ALBUQUERQUE, NM. 87110 (505) 266-3444								
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HOPE CHRISTIAN SCHOOL CAMPUS ADDITIONS									
Genesis									
Scale:	N.T.S.	Drawn By:	BUB	Checked By:	CLW	Job Number:		Date:	MAY 2000
Storm Drain and Paving Details								C-3	SH. OF



1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE DEPTH OF THE UTILITY. IF THE LOCATION OF THE UTILITY COULD BE IN CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITHIN A MINIMUM AMOUNT OF DELAY.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO COLLECTOR STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
7. CONTRACTOR IS RESPONSIBLE FOR OBTAINING EXCAVATION PERMIT FOR SIDEWALK CULVERT/DRAIN.
8. PROOF OF ACCEPTANCE WILL BE REQUIRED PRIOR TO SIGN OFF FOR CERTIFICATE OF OCCUPANCY (C.O.).

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY

DESIGN APPROVAL:	HYDROLOGY SECTION	DATE
INSPECTION APPROVAL:	CONSTRUCTION SECTION	DATE
ACCEPTANCE:	CONSTRUCTION SECTION/PERMITS	DATE

CHANNEL CONNECTION DETAILS - 45° PENETRATION

CHANNEL CONNECTION DETAILS PROVIDED BY CITY
OF ALBUQUERQUE AND SHOWN FOR INFORMATION ONLY