

NOTE: RECORDED OR UNRECORDED EASEMENTS OTHER THAN SHOWN ON THE PLAT HEREON ARE NOT COVERED BY THIS SURVEY.

SCALE: 1" = 20'

"A-1"

EXISTING BUILDING

EXISTING BUILDING

EXISTING BUILDING

EXISTING BUILDING

EXISTING BUILDING

EXISTING BUILDING

EXISTING BUILDING

EXISTING BUILDING

EXISTING BUILDING

EXISTING BUILDING

MENAU

BLVD.

N.E.

GRADING PLAN

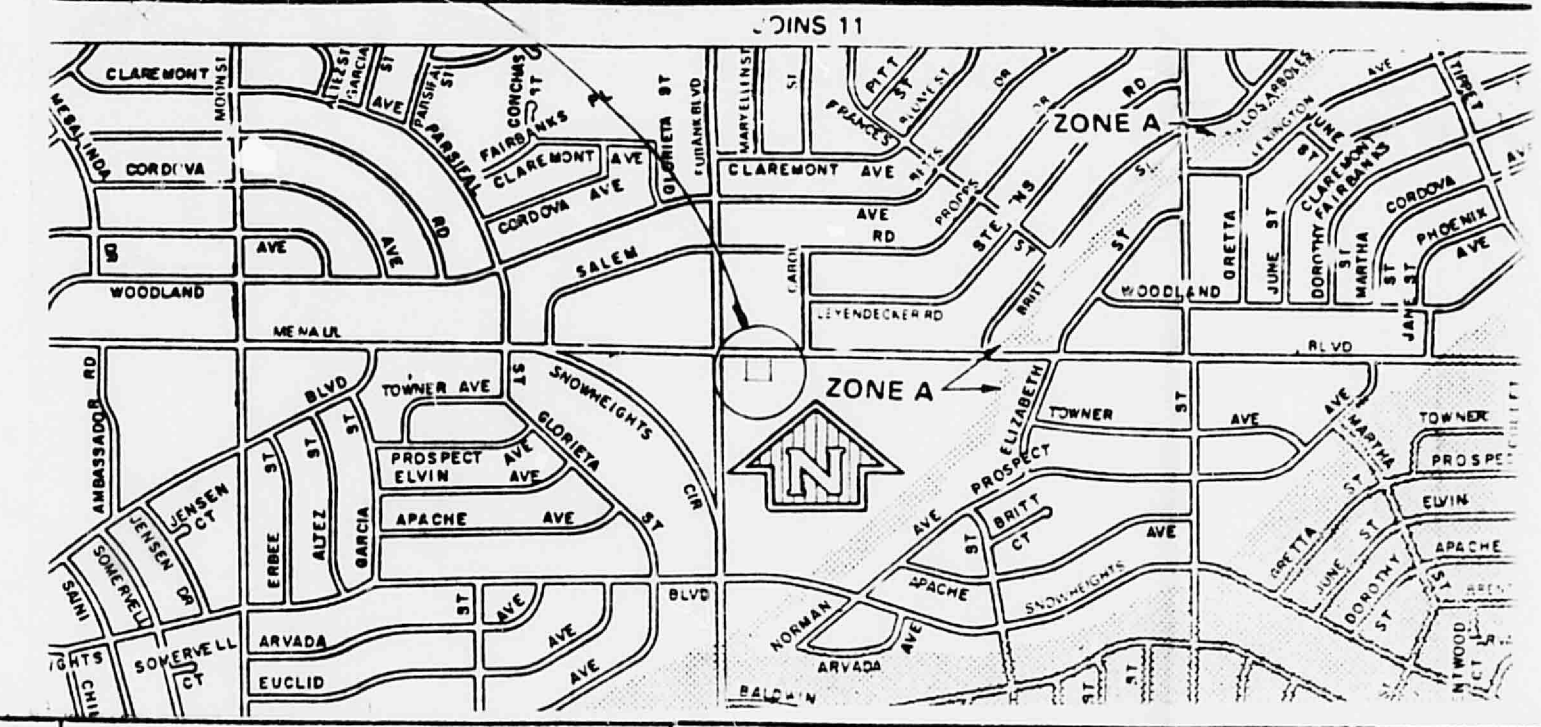
SCALE 1" = 20'

NEW LEFT TURN LANE CURRENTLY UNDER DESIGN BY TRAFFIC ENGINEERING DIVISION.

PROJECT LOCATION.

ZONE MAP

PROJECT LOCATION.



DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
Federal Insurance Administration
CITY OF ALBUQUERQUE, NM
(BERNALILLO CO.)
FLOOD HAZARD BOUNDARY MAP
MAP REVISED 2/14/78

DRAINAGE PLAN NOTES:
The following items pertaining to this project are contained hereon:
1. Grading Plan
2. Flow rates & volumes
3. Legal description
4. Zone Atlas Map
5. Flood Hazard Zone Map

The proposed project is located at 9800 Menaul Blvd., N.E., approximately 370 feet east of the intersection of Eubank and Menaul Blvd. The project 1) does not lie in a flood hazard area, 2) does not lie adjacent to an artificial or natural water course and 3) has no known drainage easements on the property. The undeveloped site currently drains to the northwest and to the southwest with the predominant flows being to the southwest corner. Once exiting the site, the southwesterly runoff crosses an existing asphalt parking lot and eventually empties into Eubank Blvd. at a rate of approximately 2.2 cfs.

Approximately 91% of the developed site will be covered with either asphalt paving or enclosed building area. The major portion of the site will drain via overland flow to the southwest corner of the site. A detention pond will be constructed in the southwest corner comprised of a surface pond (1.5' deep) and 4 underground fiberglass tanks, having a capacity of approximately 150 cu. ft. each. The surface pond will detain approximately (1310 SF) x (1.5) = 1965 cu. ft. Total retention capacity will be 1965 + 4(150) = 2565 cu. ft. Based upon a high intensity 1-hour storm and an inflow/outflow hydrograph for the pond area, approximately 2560 cu. ft. of storage is required. The buried tanks and pond will provide sufficient storage to meet this demand and the 8" outlet pipe from the pond area to the adjacent parking area will restrict flows to 2.2 cfs. The pond area will empty in about 15 minutes after the storm ends. Calculations for the 100 year, 6 hr. duration storm are shown below. A 16" wide notch will be left open in the wall on the south side of the pond to serve as an emergency spillway from the pond area in the event that the 8" outflow pipe becomes clogged. Maximum Q = 1.9 cfs.

CALCULATIONS
AREA A: 260(37)/43560 = 0.221 Acre (UNDEVELOPED)
AREA B: 1.185 - .221 = 0.964 Acre (UNDEVELOPED)
QA (Undeveloped) = 0.4(.221)(5.75) = 0.51 cfs
QB (Undeveloped) = 0.4(.964)(5.75) = 2.22 cfs
QA (Developed) = 0.87(.04)(5.75) = 0.2 cfs
QB (Developed) = 0.87(1.155)(5.75) = 5.78 cfs
VA (Undeveloped) = 0.4(2.5/12)(260)(37) = 902 cu. ft.
VB (Undeveloped) = 0.4(2.5/12)(260)(161.5) = 3500 cu. ft.
VA (Developed) = 0.87(2.5/12)(1560) = 283 cu. ft.
VB (Developed) = 0.87(2.5/12)(50059) = 9073 cu. ft.

KEYED NOTES

- Construct new 6' wide concrete sidewalk in accordance w/ City of Albuquerque standards.
- Construct new driveway in accordance w/ City Cash Paving Standard drawings.
- 6" wide x 4" high curb, 3 sides of planter. See Sec. 7 on Sht. 3.
- Change from Section 1 to Section 2 retaining wall. T.O.W. to be minimum of 6" above T.A.
- Construct 6" high curb on north and east side of building.
- 8" wide notch in curb.
- Not used.
- Construct 8" steps in wall when T.O.W. is 16" above T.A. grade.
- 3-1'-0" wide openings through curb, equally spaced.
- End retaining wall. Slope bank at a maximum slope of 2:1 between end of retaining wall and at Menaul.
- Retaining wall may be terminated where difference in elev. between adjacent properties is 18" or less and a slope of 2:1 may be constructed between the curb and the
- 6" x 18" conc. curb.
- 16" wide notch in wall. Invert of notch = 500.67.
- Not used.
- Curb not required in this area. Retaining wall will function as curb.
- Detention pond. Bottom of pond elevation to be 499.3; area to be 750 S.F. at bottom of pond.
- This area to be graded at the end of construction to slope east to west at a slope of 1.57%. Grade to match existing contours.
- 8" pipe inv. at tank 495.8. Extend through retaining wall. Inv. at wall 495.8.
- 4" vent, min. 1.5' above bot. of pond.
- 3-6" x 12'-3" long fiberglass tanks as manufactured by Alpha Septic Tank Company of Albuquerque. Connect tanks with 8" pipe. Pipe invert to be 6" above bottom of tank. Provide 20- 3/4" weep holes in bottom of each tank.
- Construct 4' x 3' x 4" conc. pad below pipe outlet. Top of conc. to be flush w/ existing asphalt. Elev. = 4995.3.
- 1-1/2" asphalt paving, 6" stabilized aggregate base course on compacted subgrade. See Section 8 on Sheet A-5.
- 2' wide opening in curb. See Section 6 on Sheet A-5.
- End retaining wall and begin 6" curb.
- 6" concrete. Use pad 22'-0" x 20'-0". Slope for drainage. See Detail 1/A-4.

GENERAL NOTES:

- Bottom of retaining wall footings shall be placed a min. of 18" below finished grade. Footings may be stepped using Detail 5 on Sheet A-2.
- Construction within the City right-of-way shall be in accordance with the New Mexico Standard Specifications for Road and Bridge Construction, 1974 Edition, and the most current contract documents for City Wide Utilities and Cash Paving.
- Grub and clear site as necessary.

DRAINAGE LEGEND

- DRAINAGE AREA
- Q FLOW RATES (CU FT PER SECOND)
- DIRECTION OF SURFACE FLOWS.
- SWALE
- DRAINAGE AREA BOUNDARY

LEGEND:

- T.W. TOP OF WALL
- T.A. TOP OF ASPHALT
- T.S. TOP OF SLAB
- T.C. TOP OF CURB
- B.P. BOTTOM OF POND
- INV. INVERT ELEVATION
- EXISTING CONTOURS --- 501 ---
- NEW CONTOURS --- 03 ---
- 03 ELEVATION 5501.0
- 501 ELEVATION 5501.0
- M.S.L. MEAN SEA LEVEL ELEVATION

PROJECT TITLE:

PAPA FELIPES RESTAURANT

SHEET TITLE:

GRADING PLAN

DESIGN PROFESSIONALS, INC.
4801 CALLE BLVD. NE, ALBUQUERQUE, NM 87110
(505) 261-6336

API

Architects/Engineers

DRAWING

A-2

SHEET

2 OF 26

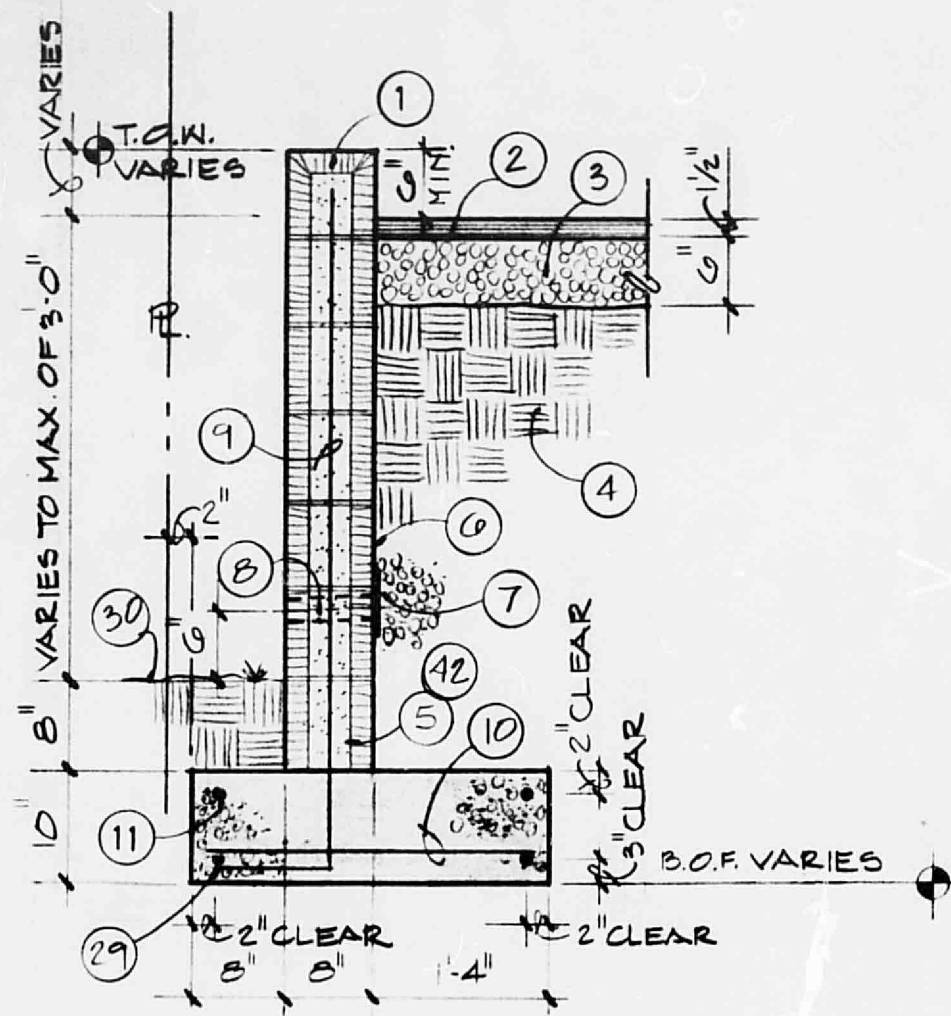
LEGAL DESCRIPTION

A CERTAIN TRACT OF LAND SITUATE WITHIN SECTION 7, TOWNSHIP 10 NORTH, RANGE 4 EAST, NEW MEXICO PRINCIPAL MERIDIAN, WITHIN THE CITY LIMITS OF THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, BEING AND COMPRISING ALL OF TRACT "A-3-B" OF THE REDIVISION OF TRACT "A-3" OF THE COUNTY REPLAY OF THE UNCLE DOC ADDITION NO. 3, AS THE SAME IS SHOWN AND DESIGNATED ON THE SUMMARY PLAT SHOWING TRACTS "A-2" AND TRACTS "A-3-A" AND "A-3-B" OF THE REDIVISION OF TRACT "A-3" OF THE COUNTY REPLAY OF THE UNCLE DOC ADDITION NO. 3, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON MAY 23, 1980. (BOOK C-16, FOLIO 165)

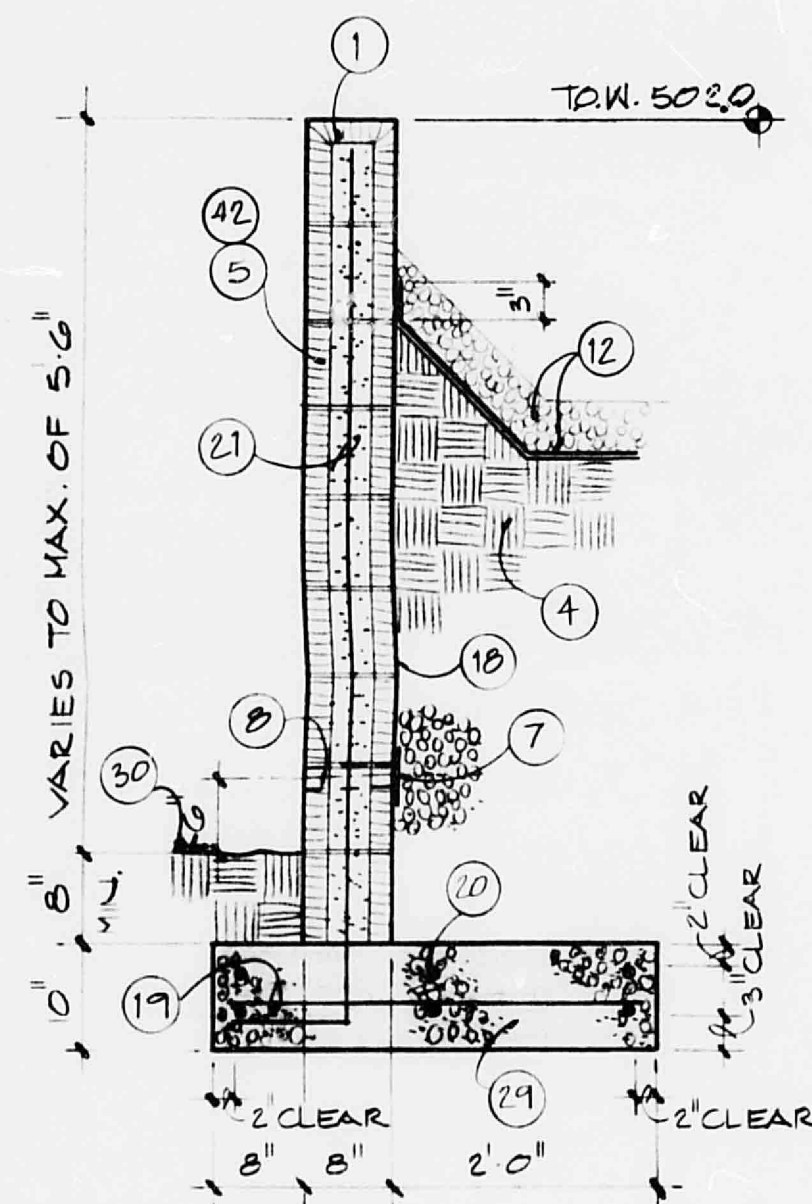
I, D. T. MORRISON, NEW MEXICO REGISTERED LAND SURVEYOR NO. 1010, DO HEREBY CERTIFY THAT THE PLAT AND SURVEY SHOWN HEREON WAS PREPARED BY ME OR UNDER MY SUPERVISION AND DIRECTIONS, AND THAT THE SAME IS TRUE AND CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE.

D.T. Morrison
D. T. MORRISON, N.M.L.S. NO. 1010

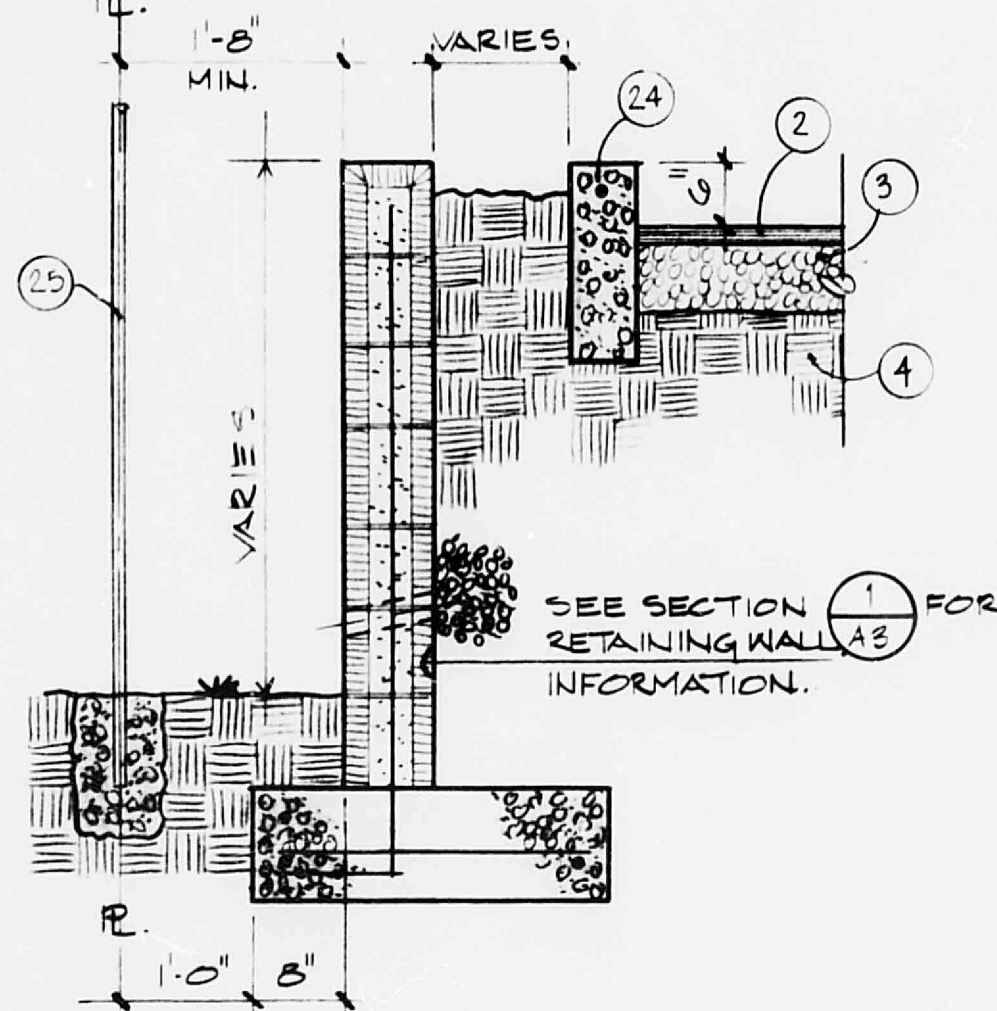
MAP AND SURVEY BY: D. T. MORRISON SURVEYOR, INC.
ALBUQUERQUE, NEW MEXICO



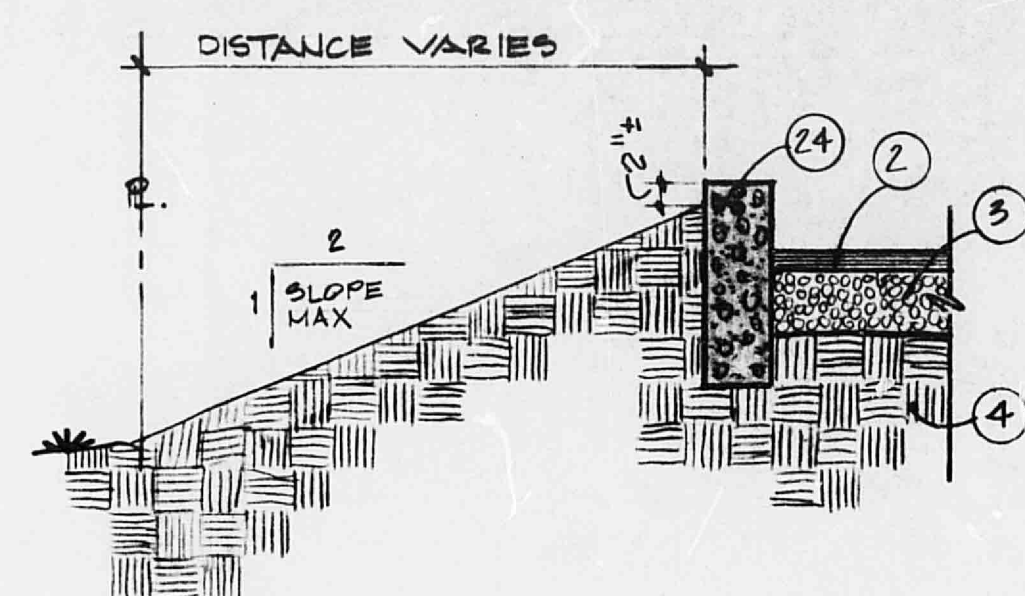
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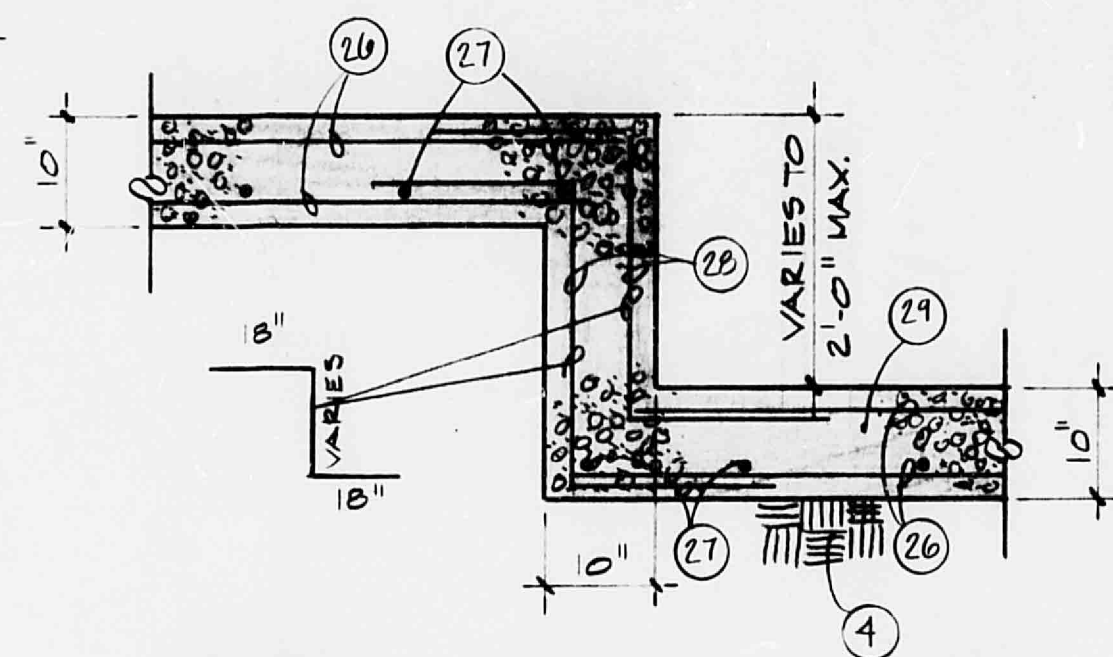
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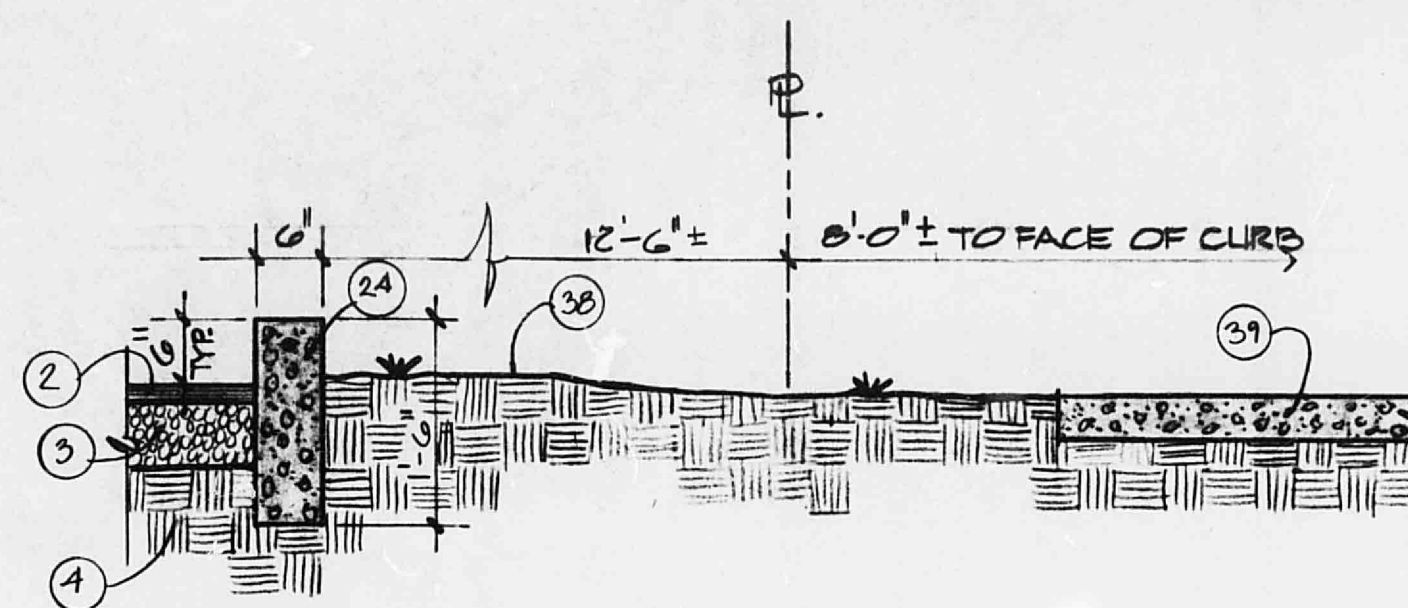
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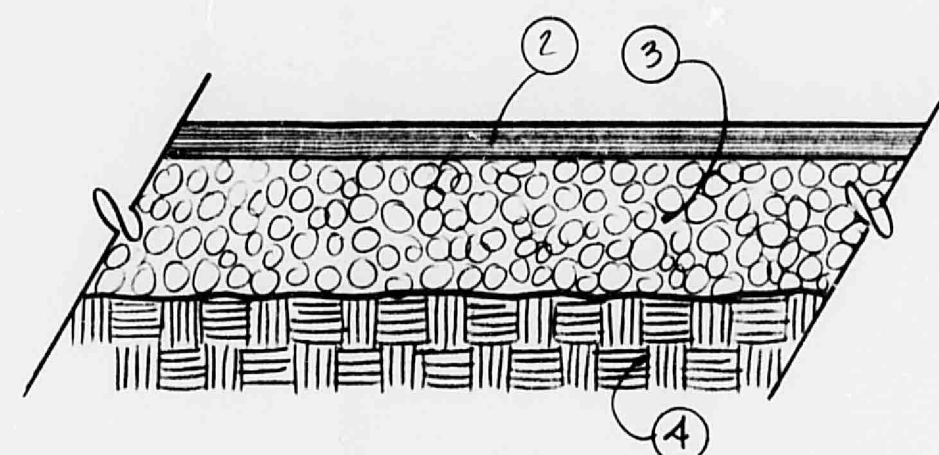
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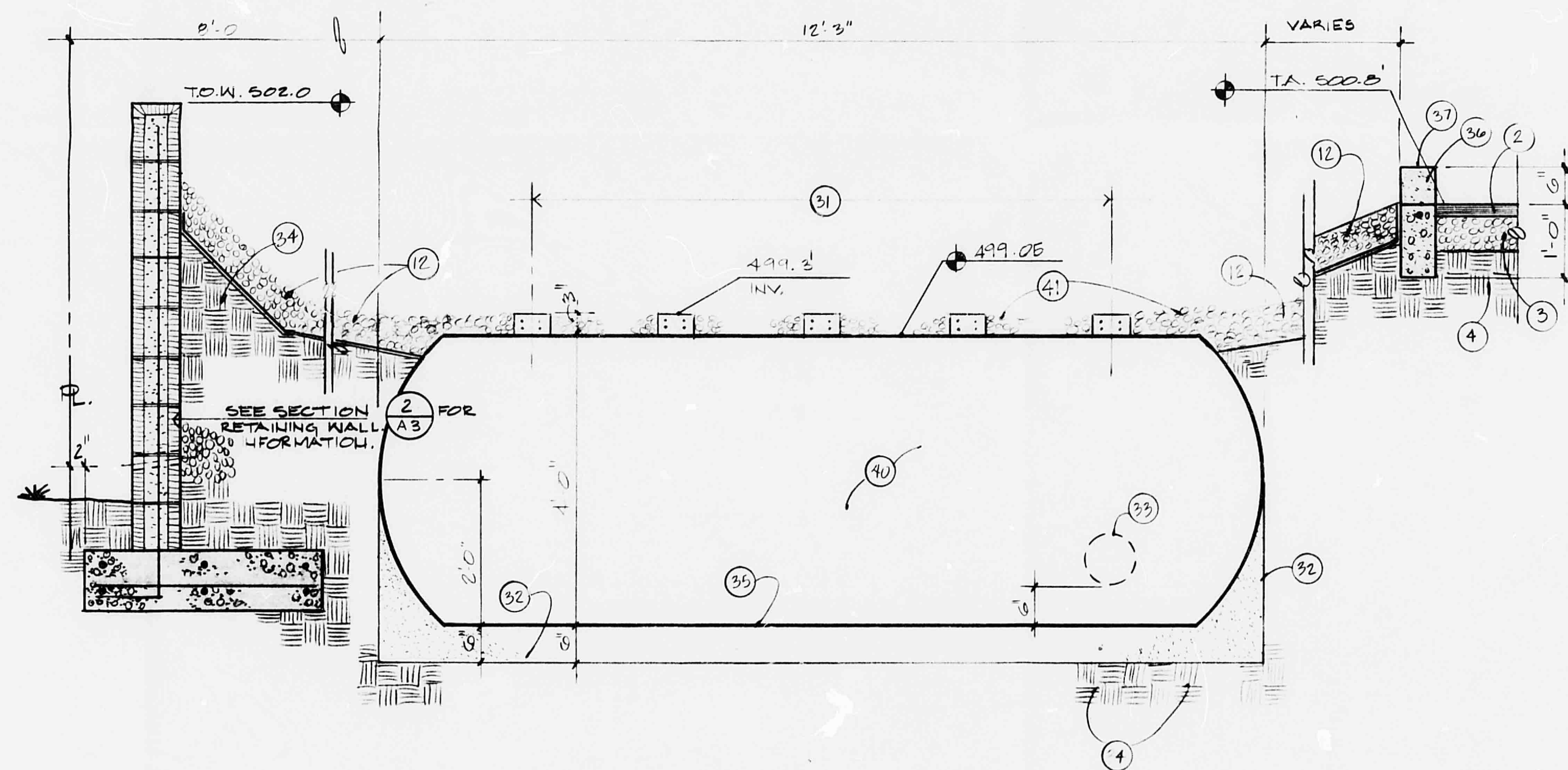
DETAIL
SCALE: 3/4" = 1'-0"



SECTION
SCALE: 3/4" = 1'-0"



TYPICAL PAVING DETAIL
SCALE: 1 1/2" = 1'-0"



HOLDING TANK SECTION
SCALE: 3/4" = 1'-0"

1. 8" x 6" x 16" cap block.
2. 1-1/2" asphalt paving meeting City of Albuquerque specs for surface course, 1500 lb. stability.
3. 6" stabilized aggregate base course compacted to 95% per ASTM D-1557.
4. 6" subgrade compacted to 95% per ASTM D-1557.
5. 8" x 8" x 16" concrete masonry units w/ standard truss type Dur-O-Wall in alternate courses.
6. Bituminous waterproofing adjacent to pond only.
7. 6" square bronze screen w/ 1/4" mesh and 1 cubic foot of coarse gravel.
8. 2" PVC weep holes @ 8'-0" on center. Slope pipe @ 1/4" per foot.
9. #5 bars vertical @ 8" on center.
10. #5 bars transverse @ 16" on center.
11. 4 #4 bars continuous, equally spaced.
12. 6" thick layer of 2" + cobbles over Mirafi 140S filter fabric.
13. Omit.
14. Omit.
15. Omit.
16. Omit.
17. Omit.
18. Bituminous waterproofing to elev. 498.0 at pond area only.
19. #5 bars transverse @ 16" on center.
20. 6 - #4 bars continuous.
21. #7 bars vertical @ 8" on center.
22. Omit.
23. Omit.
24. 6" wide x 18" high concrete stand up curb w/ #4 bar continuous in top. Install 1/2" exp. jts. at 20' o.c.
25. Existing fence to remain.
26. #4 longitudinal reinforcing steel.
27. #5 bars.
28. #4 #5 bars, one @ each longitudinal bar.
29. Concrete footing continuous.
30. Approx. existing ground line.
31. 3 - 6" pipe, equally spaced, with 6 - 3/8" holes in ea. pipe. Pipe required only at northern tank.
32. Mirafi liner and sand bedding. Extend to mid height of tank.
33. 8" pipe for chamber connection.
34. Compacted subgrade.
35. Provide 20 - 3/4" dia. weep holes in bottom of each tank.
36. 1'-0" wide opening in curb, typ.
37. Top of curb beyond.
38. Landscaped area.
39. New 2'-0" wide sidewalk.
40. Prefabricated fiberglass tank, wall thickness 3/16", as manufactured by Alpha Septic Tank Co. of Albuquerque, N.M.
41. 1"-1 1/2" gravel above tanks (Approximate: 350 sq. ft.)
42. Provide expansion jts. in walls at 30' o/c.

DESIGN PROFESSIONALS, INC.
1500 EAST 5336
ALBUQUERQUE, NM 87107

PROJECT TITLE:
PAPA FELIPES RESTAURANT

SHEET TITLE:
SITE DETAILS

DRAWING
A-3
SHEET
3 OF 26
ARCHITECTS/ENGINEERS

Drawn by: L.W. Proj. No: 8231
Checked by: RHA Date: 11-2-92



1. 8" x 6" x 16" cap block.
2. 1-1/2" asphalt paving meeting City of Albuquerque specs for surface course, 1500 lb. stability.
3. 6" stabilized aggregate base course compacted to 95% per ASTM D-1557.
4. 6" subgrade compacted to 95% per ASTM D-1557.
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7. 6" square bronze screen w/ 1/4" mesh and 1 cubic foot of course gravel.
8. 2" PVC weep holes @ 8'-0" on center. Slope pipe @ 1/4" per foot.
9. #5 bars vertical @ 8" on center.
10. #5 bars transverse @ 16" on center.
11. 4 #4 bars continuous, equally spaced.
12. 6" thick layer of 2" + cobbles over Mirafi 140S filter fabric.
13. Omit.
14. Omit.
15. Omit.
16. Omit.
17. Omit.
18. Bituminous waterproofing to elev. 498.0 at pond area only.
19. #5 bars transverse @ 10' on center.
20. 6 - #4 bars continuous.
21. #7 bars vertical @ 8" on center.
22. Omit.
23. Omit.
24. 6" wide x 18" high concrete stand up curb w/ #4 bar continuous in top. Install 1/2" exp. jts. at 20' o.c.
25. Existing fence to remain.
26. #4 longitudinal reinforcing steel.
27. #5 bars.
28. #4 "2" bars, one @ each longitudinal bar.
29. Concrete footing continuous.
30. Approx. existing ground line.
31. 3 - 6" # pipe, equally spaced, with 3/8" # holes in ea. pipe. Pipe required only at northern tank.
32. Mirafi liner and sand bedding. Extend to mid height of tank.
33. 8" # pipe for chamber connection.
34. compacted subgrade.
35. Provide 20 - 3/4" dia. weep holes in bottom of each tank.
36. 1'-0" wide opening in curb, typ.
37. Top of curb beyond.
38. Landscaped area.
39. New 4'-0" wide sidewalk.
40. Prefabricated fiberglass tank, wall thickness 3/16", as manufactured by Alpha Septic Tank Co. of Albuquerque, N.M.
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PROJECT TITLE:
PAPA FELIPES RESTAURANT

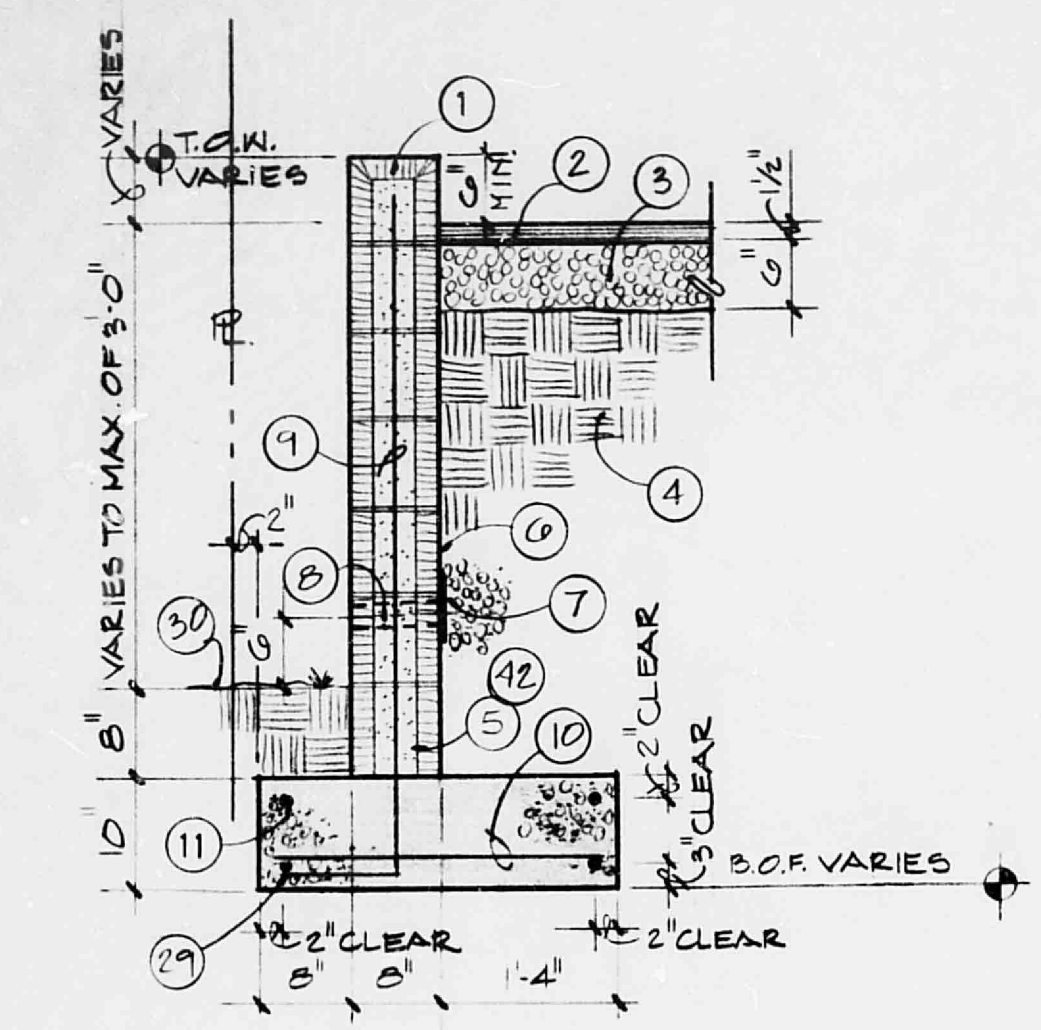
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SITE DETAILS

DRAWING
A-3

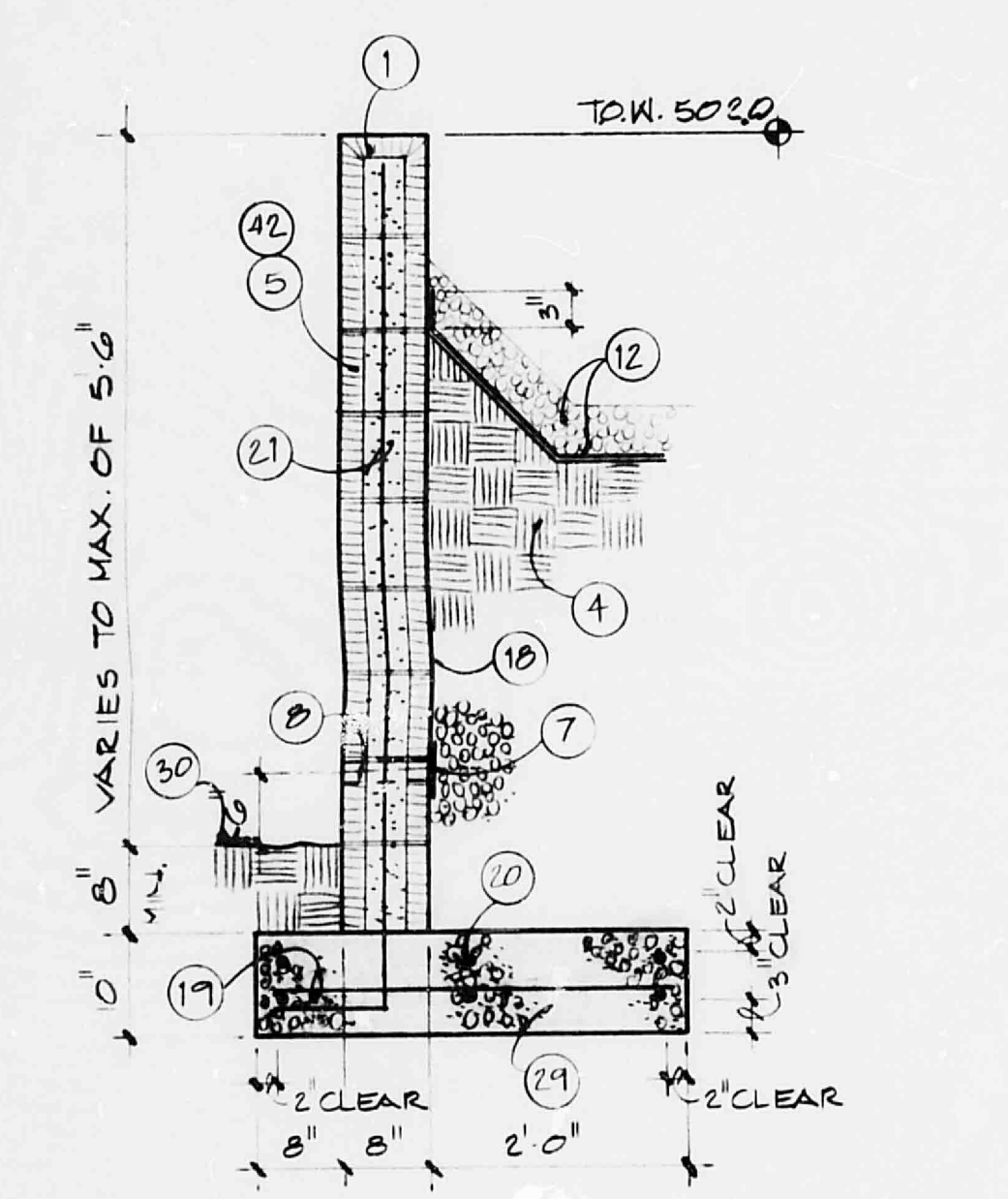
SHEET
3 OF 26

ARCHITECTS/ENGINEERS

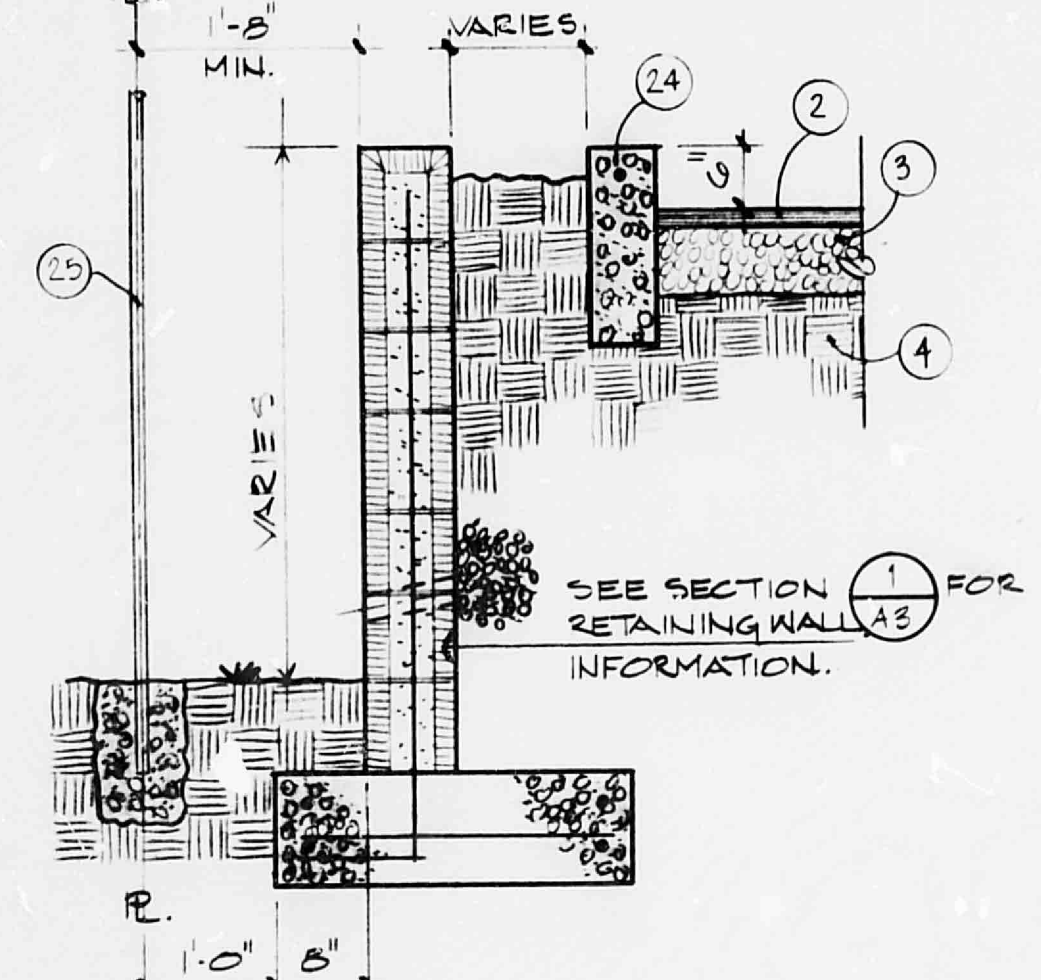
DESIGN PROFESSIONALS, INC.
 1501 1ST AVE. S.W.
 ALBUQUERQUE, N.M. 87102



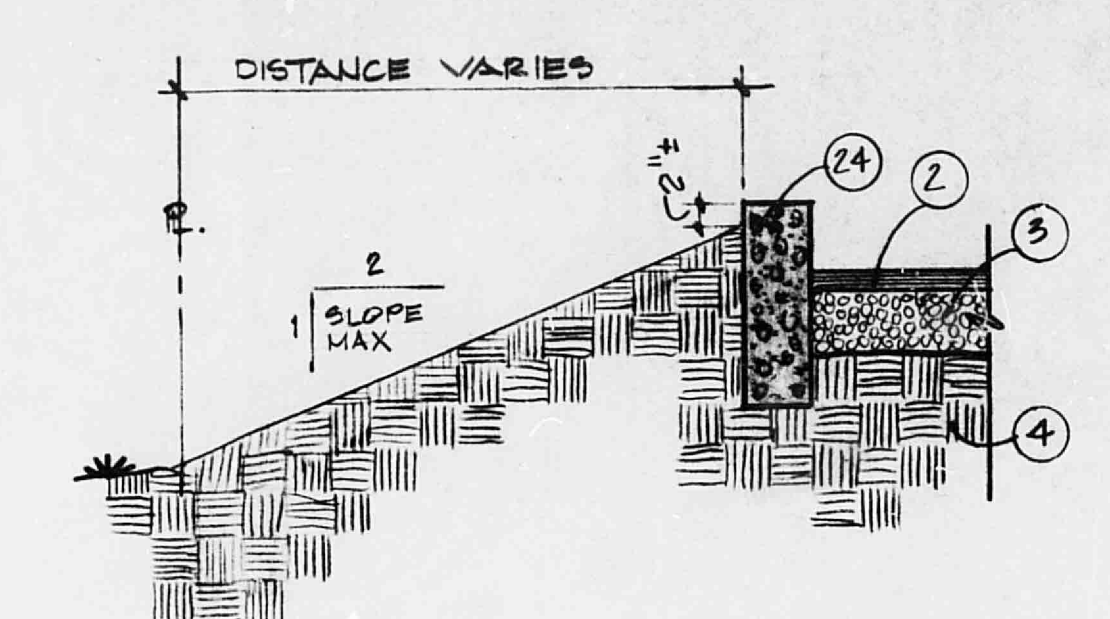
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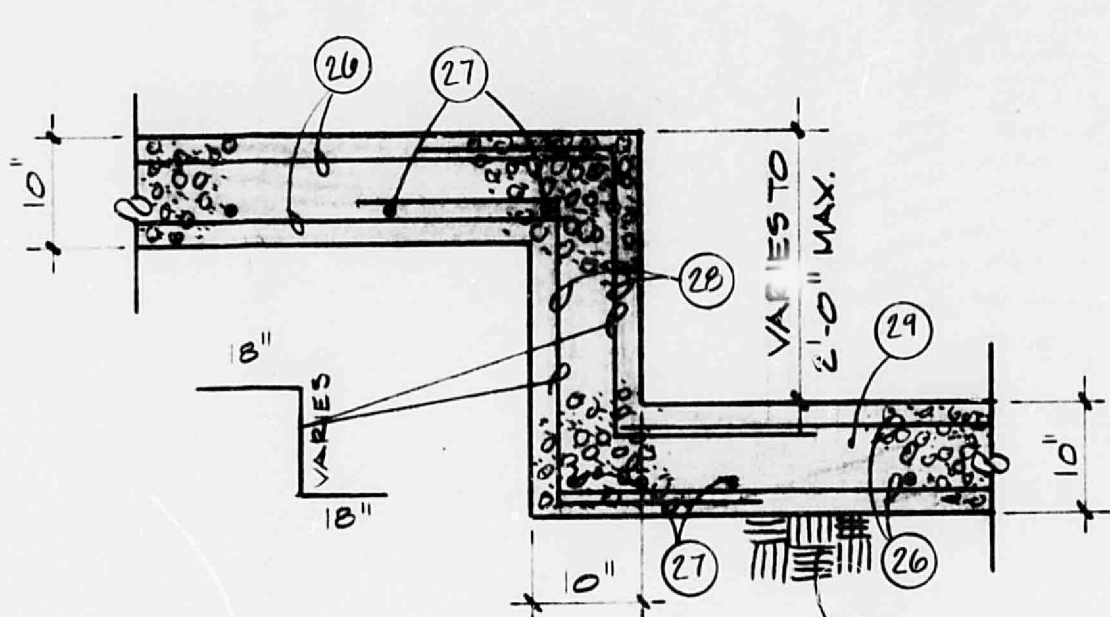
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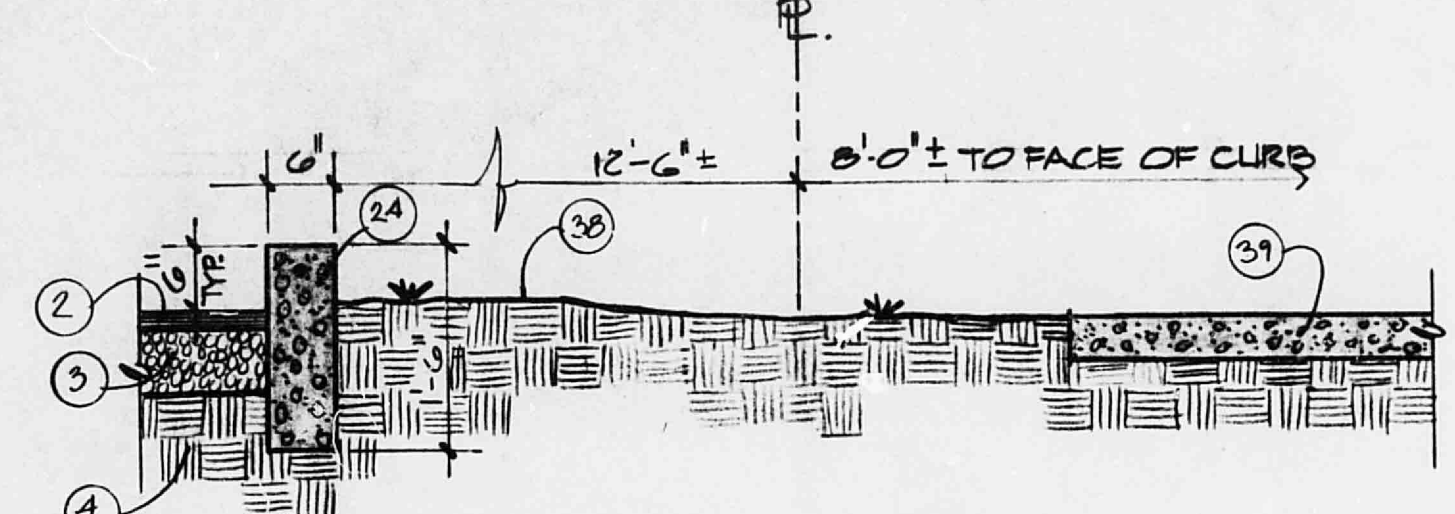
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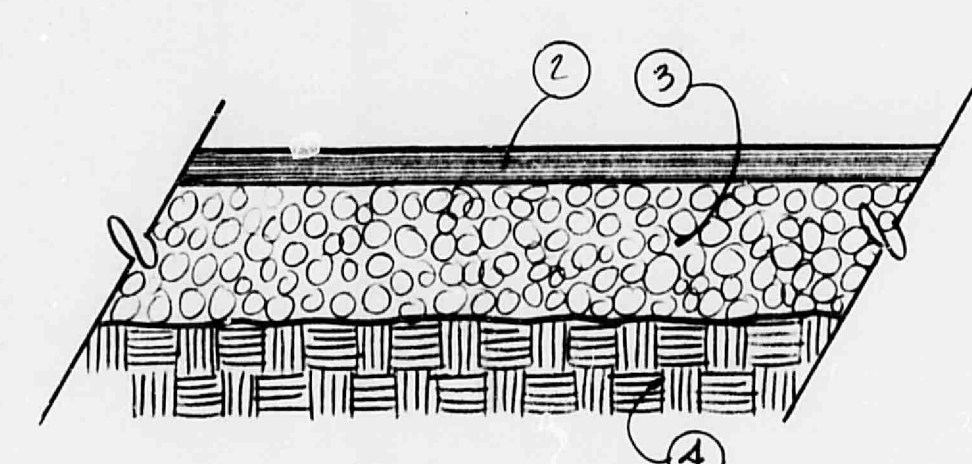
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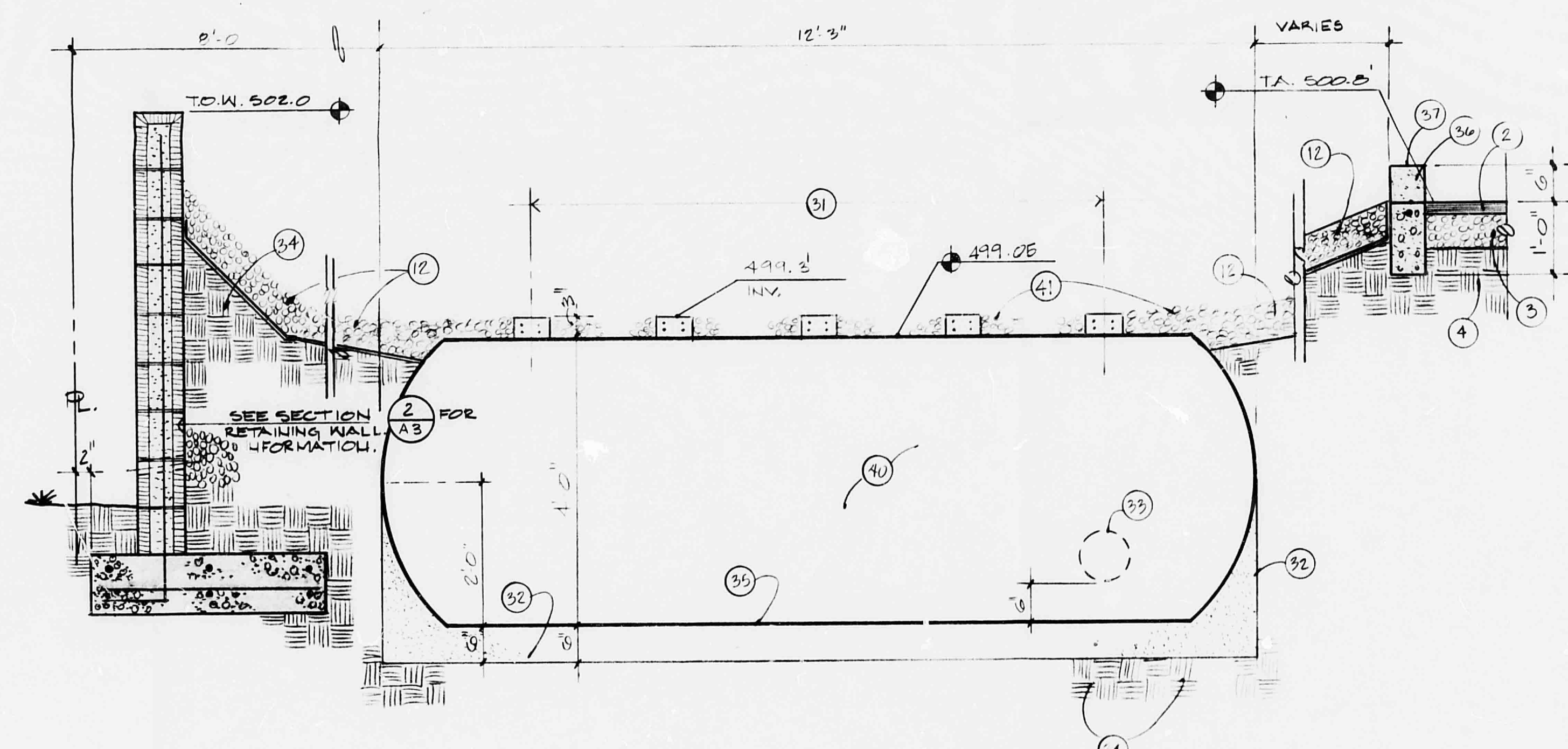
DETAIL 5
SCALE: 3/4" = 1'-0"



SECTION 7
SCALE: 3/4" = 1'-0"



TYPICAL PAVING DETAIL
SCALE: 1 1/2" = 1'-0"



HOLDING TANK SECTION
SCALE: 3/4" = 1'-0"