

As required by Transportation Development Section, a copy of the approved TCL AS-BUILT will be submitted by the designer or acceptable representative party which includes a letter of certification stating the site has been constructed in accordance with the approved TCL. Verification of TCL acceptability, to include random field checks, will be made before a Final Certificate of Occupancy (C.O.) is issued. Please call this office to obtain temporary CO. Confirmation from Hydrology, supporting this requirement, will be needed prior to approval of TCL by Transportation.

CONSTRUCTION NOTES:

- REMOVE EXISTING DRIVE PAD.INSTALL NEW CURB GUTTER & SIDEWALK (CITY OF ABQ DETAIL 2415A & 2430)
- REMOVE EXISTING DRIVE PAD AND SIDEWALK, INSTALL NEW DRIVE ENTRANCE (CITY OF ABQ DETAIL 2425)
- 3 REMOVE EXISTING ASPHALT PAVING. INSTALL 6" CONCRETE HEADER.
- ASPHALT OVERLAY ON EXISTING PAVEMENT NEW PAINT STRIPPING & 6' CONCRETE WHEEL STOPS.
- 5 REMOVE DAMAGED CONCRETE AND REPLACE (CITY OF ABQ. DETAIL 2415A SIDEWALKS & 2428 DRIVEPADS)
- 6 CHECK SUPPLY AND CONTROLS OF LIGHT POLE & SIGN FIXUTRES, RELAMP ALL FIXTURES.
- 7 REMOVE EXISTING ASPHALT & INSTALL NEW 6" CONCRETE PAVING

MAINTAIN ADEQUATE SECURITY TO PROTECT BUILDING UNDER CONSTRUCTION. KEEP SITE SAFE&CLEAN. BLOCK OFF& MARK ANY HAZARDOUS AREAS.

PARKING CALCULATIONS:

REQUIRED FOR

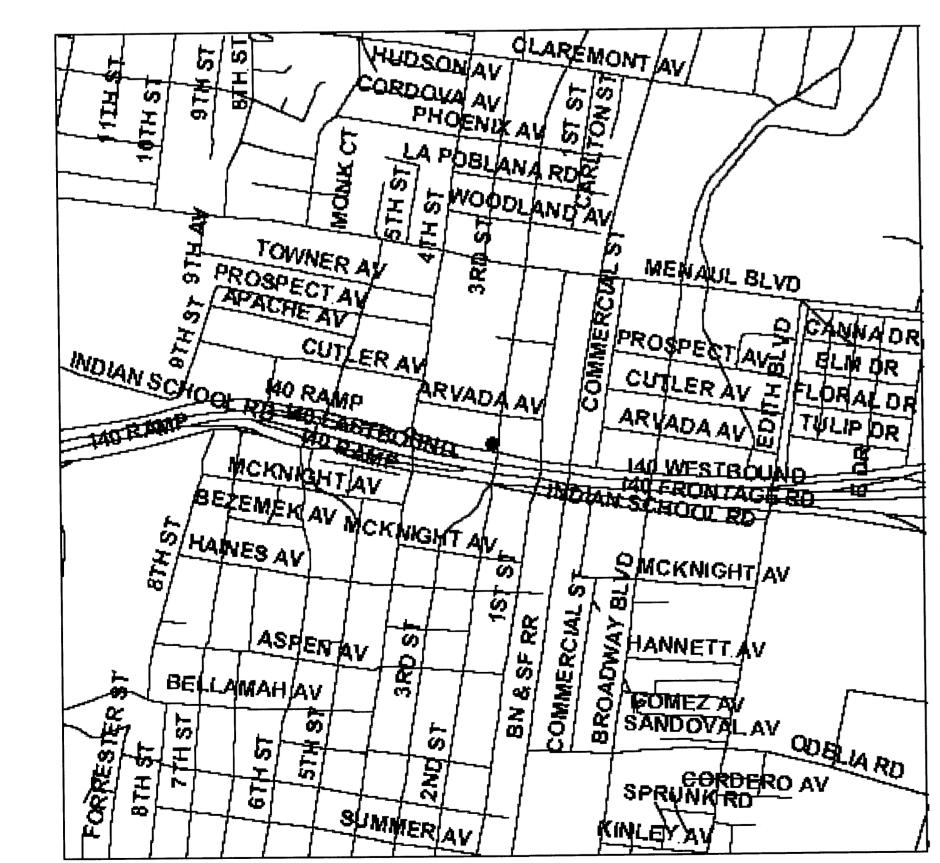
19,503.37 GSF / 200 GSF 98 SPACES COMMERCIAL RETAIL

44 SPACES 54 SPACES 8,780 NSF / 200 GSF 10,723 NSF / 200 GSF PROPOSED BUILDING EXISTING BUILDING TOTAL REQUIRED PARKING 98 SPACES

> 4 REQUIRED 4 PROVIDED 2) (VANS INCLUDED

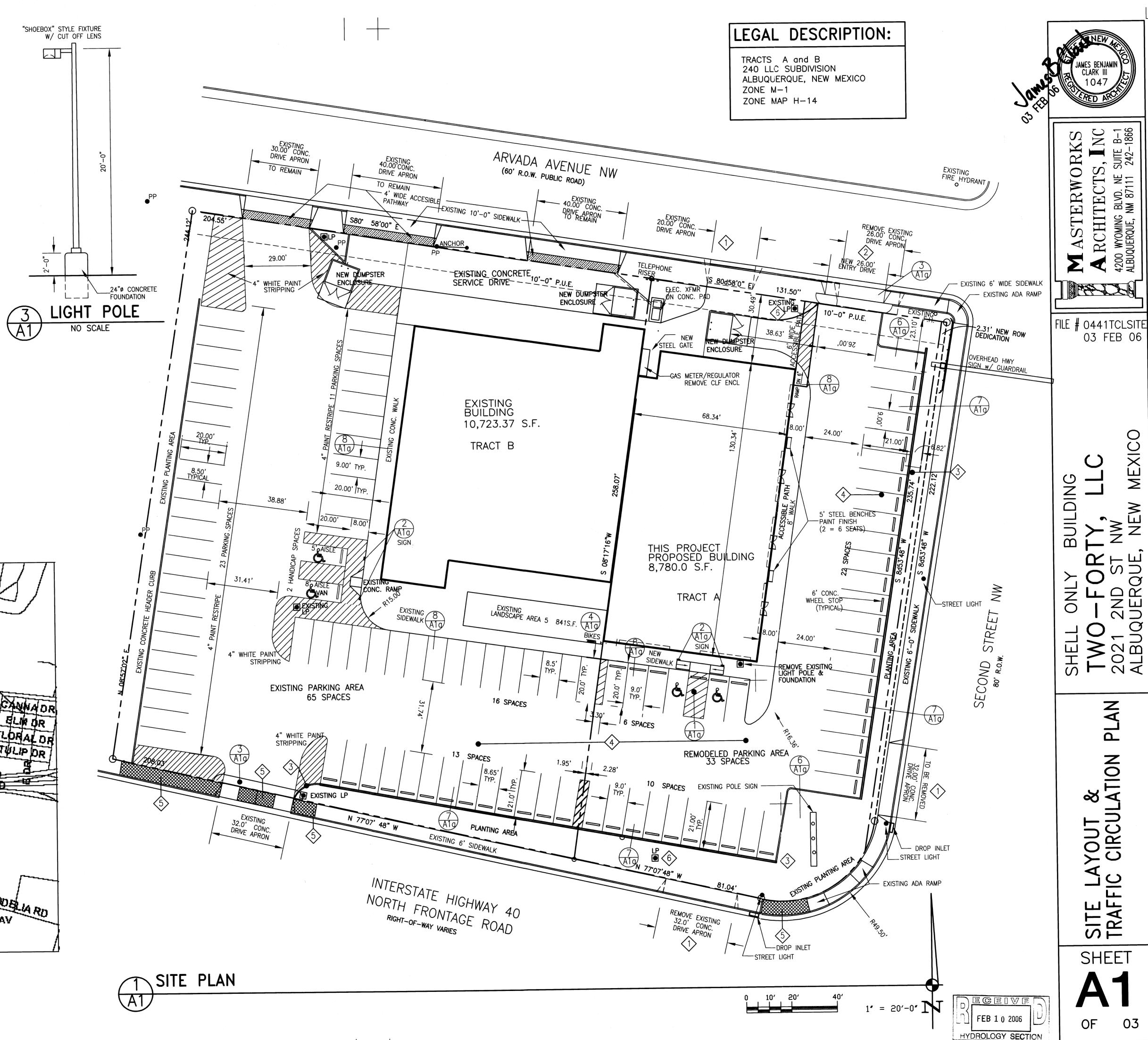
TOTAL SPACES PROVIDED:

103 SPACES





NO SCALE



RCHITE

PARTY.

03 FEB 06

MEXICO

PLAN

SITE LAYOUT & TRAFFIC CIRCULATION

SHEET

As required by Transportation Development Section, a copy of the approved TCL AS-BUILT will be submitted by the designer or acceptable representative party which includes a letter of certification stating the site has been constructed in accordance with the approved TCL. Verification of TCL acceptability, to include random field checks, will be made before a Final Certificate of Occupancy (C.O.) is issued. Please call this office to obtain temporary CO. Confirmation from Hydrology, supporting this requirement, will be needed prior to approval of TCL by Transportation.

CONSTRUCTION NOTES:

- REMOVE EXISTING DRIVE PAD.INSTALL NEW CURB GUTTER & SIDEWALK (CITY OF ABQ DETAIL 2415A & 2430)
- 2 REMOVE EXISTING DRIVE PAD AND SIDEWALK, INSTALL NEW DRIVE ENTRANCE (CITY OF ABQ DETAIL 2425)
- (3) REMOVE EXISTING ASPHALT PAVING. INSTALL 6" CONCRETE HEADER.
- 4 ASPHALT OVERLAY ON EXISTING PAVEMENT NEW PAINT STRIPPING & 6' CONCRETE WHEEL STOPS.
- 5 REMOVE DAMAGED CONCRETE AND REPLACE (CITY OF ABQ. DETAIL 2415A SIDEWALKS & 2428 DRIVEPADS)
- 6 CHECK SUPPLY AND CONTROLS OF LIGHT POLE & SIGN FIXUTRES, RELAMP ALL FIXTURES.
- 7> REMOVE EXISTING ASPHALT & INSTALL NEW 6" CONCRETE PAVING

MAINTAIN ADEQUATE SECURITY TO PROTECT BUILDING UNDER CONSTRUCTION. KEEP SITE SAFE&CLEAN. BLOCK OFF& MARK ANY HAZARDOUS AREAS.

PARKING CALCULATIONS:

REQUIRED FOR

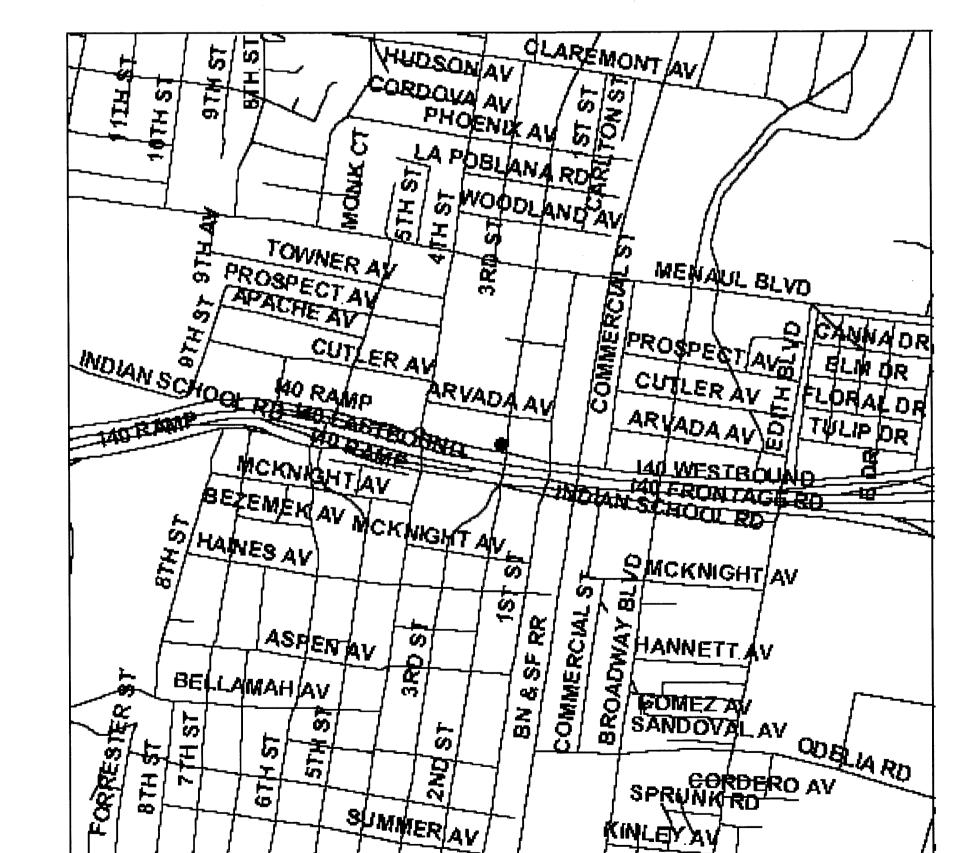
COMMERCIAL 19,503.37 GSF / 200 GSF 98 SPACES RETAIL

PROPOSED BUILDING EXISTING BUILDING 8,780 NSF / 200 GSF 10,723 NSF / 200 GSF 44 SPACES 54 SPACES TOTAL REQUIRED PARKING 98 SPACES

> 4 REQUIRED 4 PROVIDED ADA ACCESSIBLE (VANS INCLUDED 2)

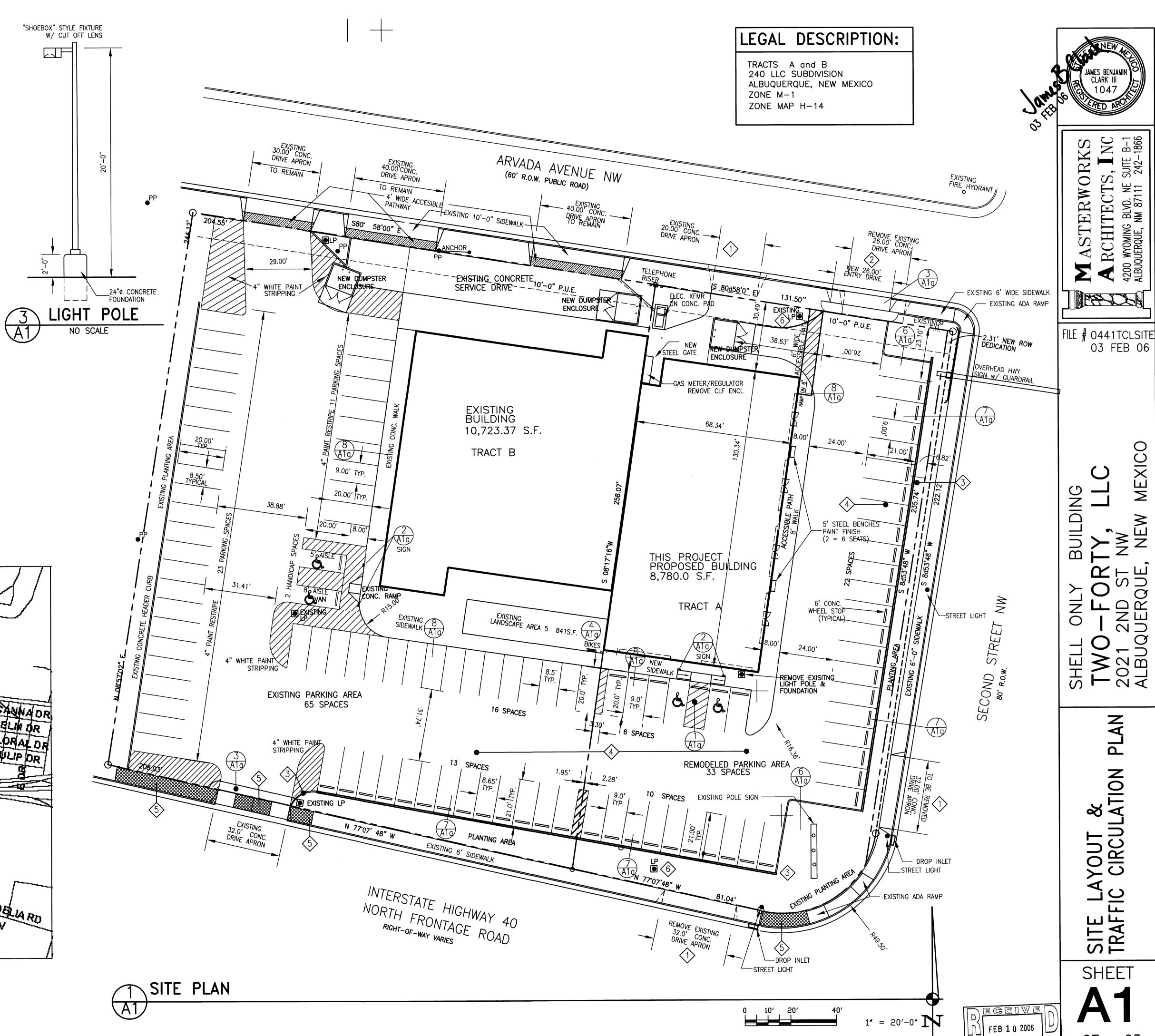
TOTAL SPACES PROVIDED:

103 SPACES





NO SCALE



[ASTERWORKS]
RCHITECTS, INC
WYOMING BLVD. NE SUITE B-1
QUERQUE, NM 87111 242-1866

EXICO

 \geq

귑

& -ATION

LAYOUT &

SITE TRAFI

SHEET

03

OF

HYDROLOGY SECTION

MASTERWOR ARCHITECTS,

As required by Transportation Development Section, a copy of the approved TCL AS-BUILT will be submitted by the designer or acceptable representative party which includes a letter of certification stating the site has been constructed in accordance with the approved TCL. Verification of TCL acceptability, to include random field checks, will be made before a Final Certificate of Occupancy (C.O.) is issued. Please call this office to obtain temporary CO. Confirmation from Hydrology, supporting this requirement, will be needed prior to approval of TCL by Transportation.

CONSTRUCTION NOTES:

- REMOVE EXISTING DRIVE PAD.INSTALL NEW CURB GUTTER & SIDEWALK (CITY OF ABQ DETAIL 2415A & 2430)
- REMOVE EXISTING DRIVE PAD AND SIDEWALK, INSTALL NEW DRIVE ENTRANCE (CITY OF ABQ DETAIL 2426)
- 3 REMOVE EXISTING ASPHALT PAVING. INSTALL 6" CONCRETE HEADER.
- ASPHALT OVERLAY ON EXISTING PAVEMENT NEW PAINT STRIPPING & 6' CONCRETE WHEEL STOPS.
- S REMOVE DAMAGED CONCRETE AND REPLACE (CITY OF ABQ. DETAIL 2415A SIDEWALKS & 2428 DRIVEPADS)
- 6 CHECK SUPPLY AND CONTROLS OF LIGHT POLE & SIGN FIXUTRES, RELAMP ALL FIXTURES.
- 7 REMOVE EXISTING ASPHALT & INSTALL NEW 6" CONCRETE PAVING

MAINTAIN ADEQUATE SECURITY TO PROTECT BUILDING UNDER CONSTRUCTION. KEEP SITE SAFE&CLEAN. BLOCK OFF& MARK ANY HAZARDOUS AREAS.

PARKING CALCULATIONS:

REQUIRED FOR

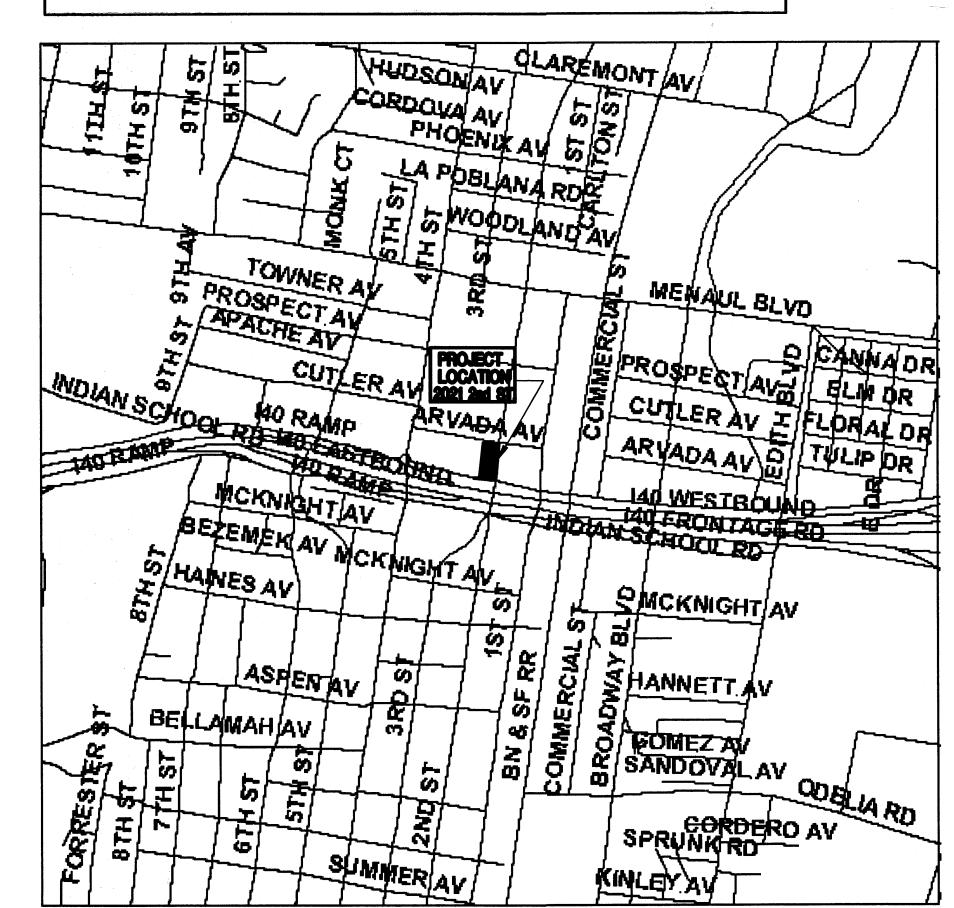
COMMERCIAL 19,503.37 GSF / 200 GSF 98 SPACES

PROPOSED BUILDING 8,780 NSF / 200 GSF 44 SPACES EXISTING BUILDING 10,723 NSF / 200 GSF 54 SPACES TOTAL REQUIRED PARKING 98 SPACES

ADA ACCESSIBLE 4 REQUIRED 4 PROVIDED (VANS INCLUDED 2)

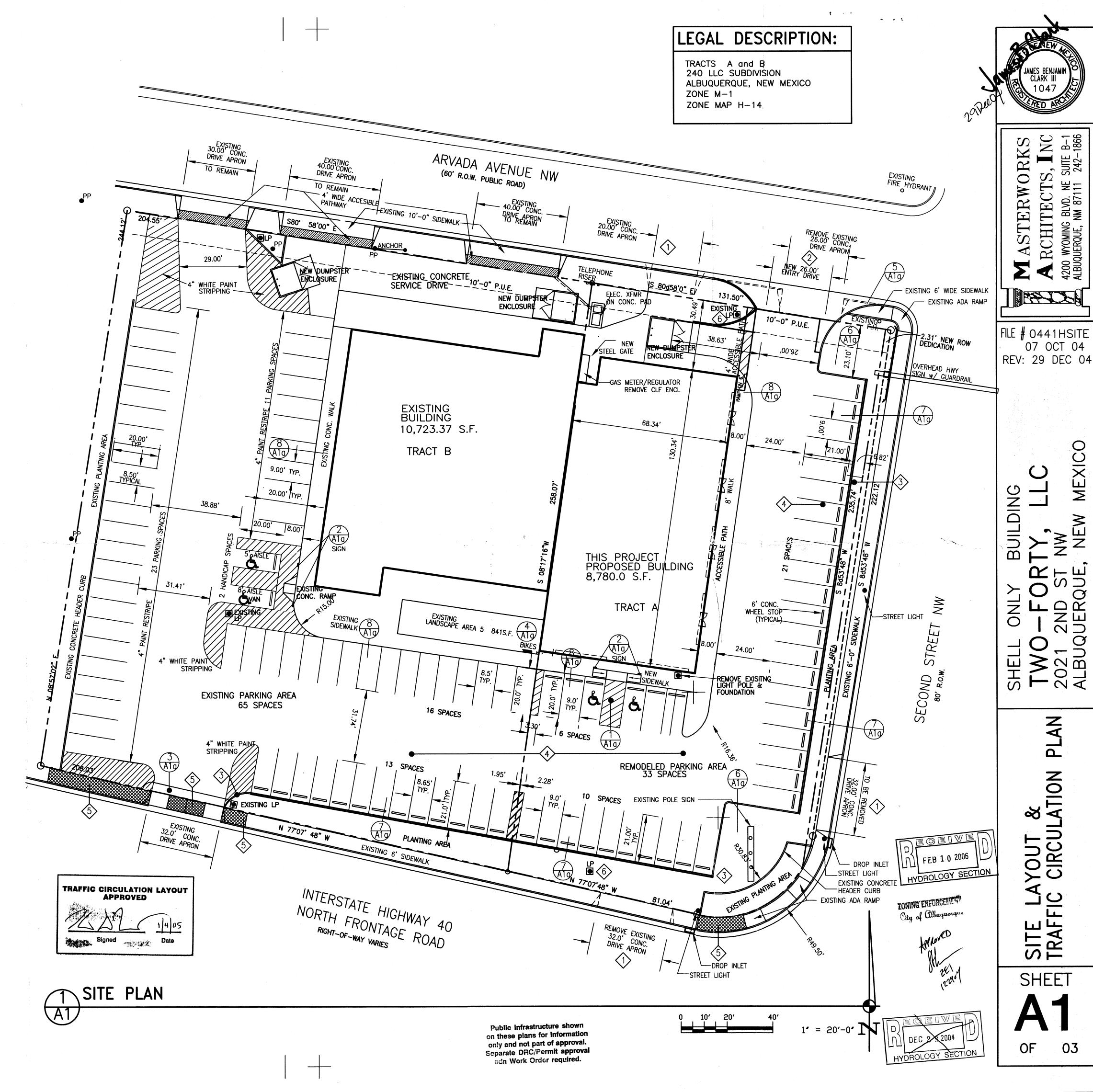
TOTAL SPACES PROVIDED:

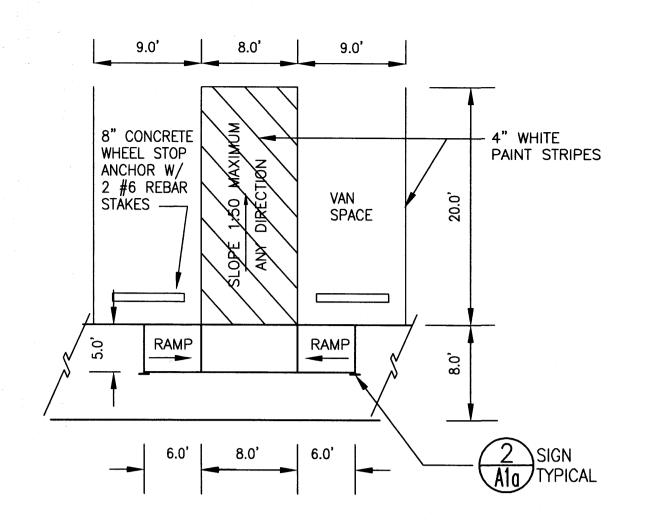
102 SPACES

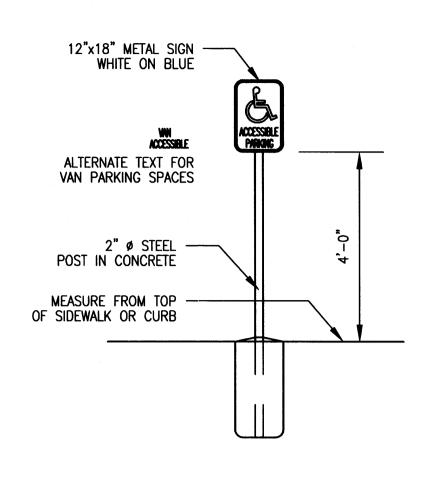


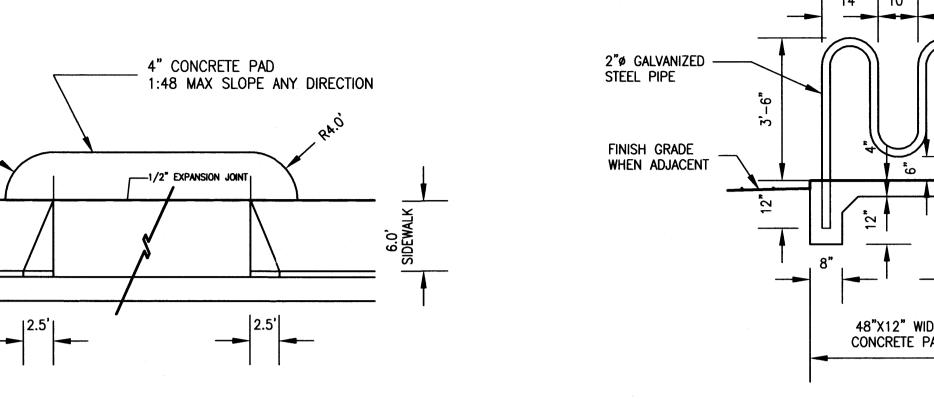


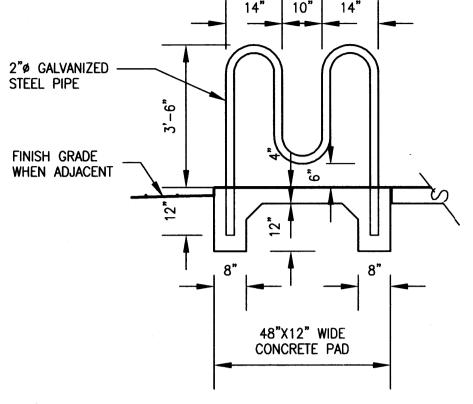
NO SCALE









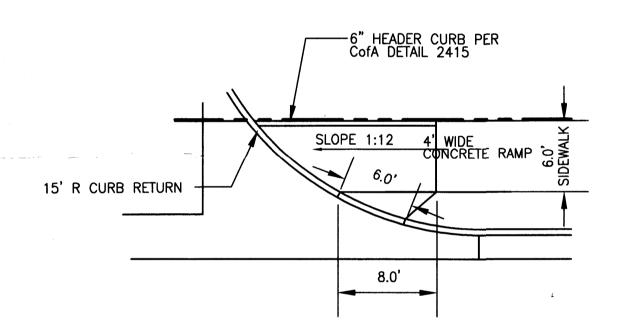




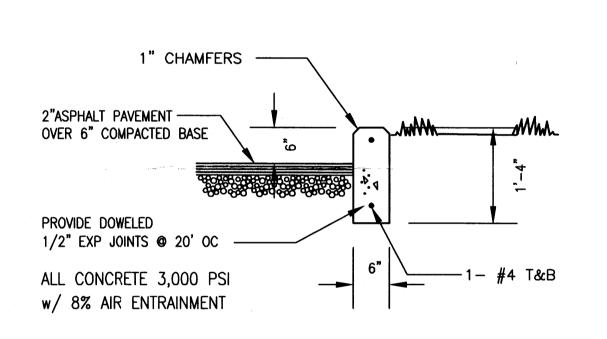




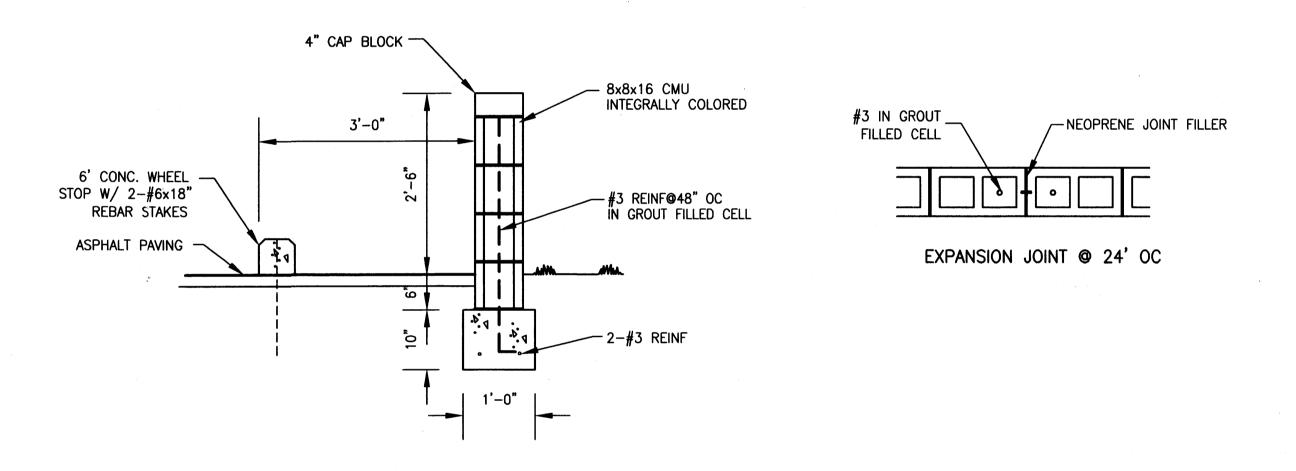


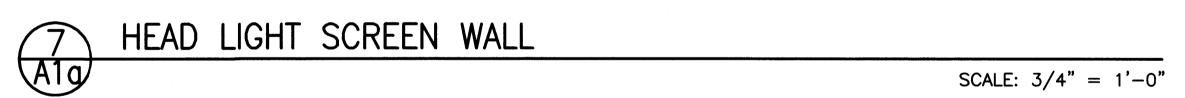


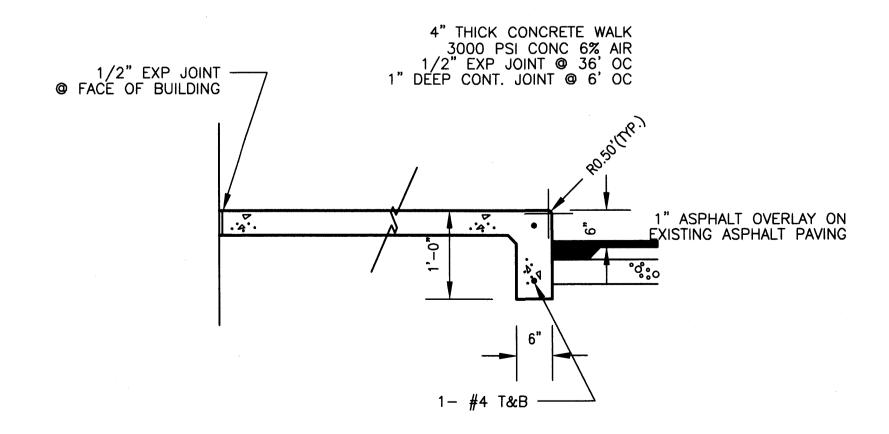




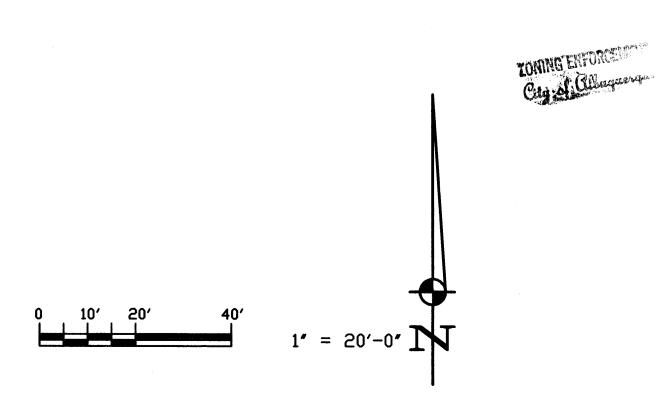












A RCHITECTS, INC
4200 WYOMING BLVD. NE SUITE B-1
ALBUQUERQUE, NM 87111 242-1866 PA-TIL

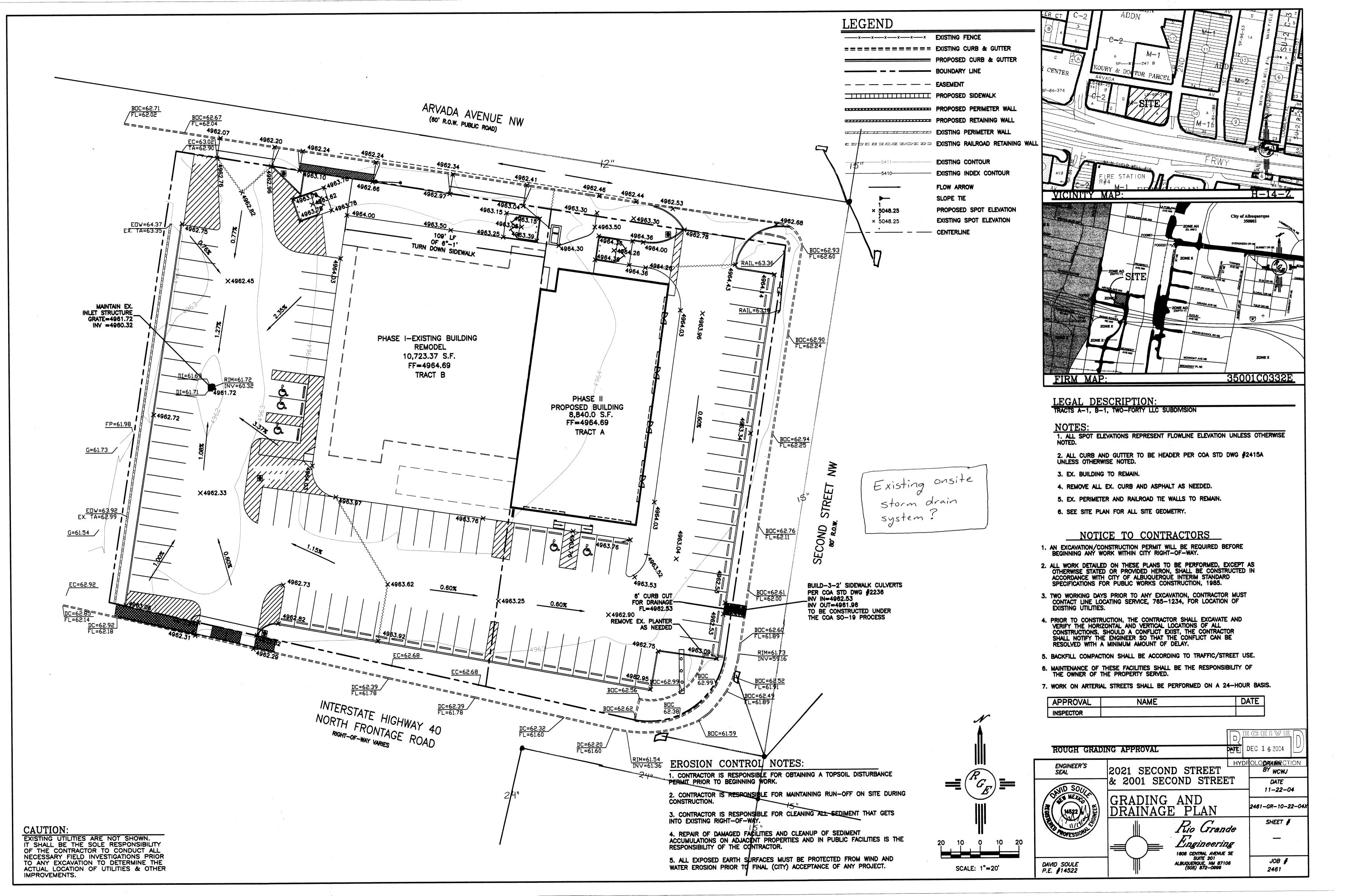
FILE # 0441HSITE 07 OCT 04 REV: 29 DEC 04

MEXICO BUILDING SHELL ONLY FWO-FORT 2021 2ND ST ALBUQUERQUE,

> CIRCULATION DETAILS SITE DE TRAFFIC

PLAN

SHEET **1a** 03



As required by Transportation Development Section, a copy of the approved TCL AS-BUILT will be submitted by the designer or acceptable representative party which includes a letter of certification stating the site has been constructed in accordance with the approved TCL. Verification of TCL acceptability, to include random field checks, will be made before a Final Certificate of Occupancy (C.O.) is issued. Please call this office to obtain temporary CO. Confirmation from Hydrology, supporting this requirement, will be needed prior to approval of TCL by Transportation.

CONSTRUCTION NOTES:

- REMOVE EXISTING DRIVE PAD.INSTALL NEW CURB GUTTER & SIDEWALK (CITY OF ABQ DETAIL 2415A & 2430)
- REMOVE EXISTING DRIVE PAD AND SIDEWALK, INSTALL NEW DRIVE ENTRANCE (CITY OF ABQ DETAIL 2426)
- 3 REMOVE EXISTING ASPHALT PAVING. INSTALL 6" CONCRETE HEADER.
- ASPHALT OVERLAY ON EXISTING PAVEMENT
 NEW PAINT STRIPPING & 6' CONCRETE WHEEL STOPS.
- FREMOVE DAMAGED CONCRETE AND REPLACE (CITY OF ABQ. DETAIL 2415A SIDEWALKS & 2428 DRIVEPADS)
- 6 CHECK SUPPLY AND CONTROLS OF LIGHT POLE & SIGN FIXUTRES, RELAMP ALL FIXTURES.
- REMOVE EXISTING ASPHALT & INSTALL NEW 6" CONCRETE PAVING

MAINTAIN ADEQUATE SECURITY TO PROTECT BUILDING UNDER CONSTRUCTION. KEEP SITE SAFE&CLEAN. BLOCK OFF& MARK ANY HAZARDOUS AREAS.

PARKING CALCULATIONS:

REQUIRED FOR

COMMERCIAL

19,503.37 GSF / 200 GSF 98 SPACE

RETAIL
PROPOSED BUILDING 8,780 NSF / 200 GSF
EXISTING BUILDING 10,723 NSF / 200 GSF

(VANS INCLUDED

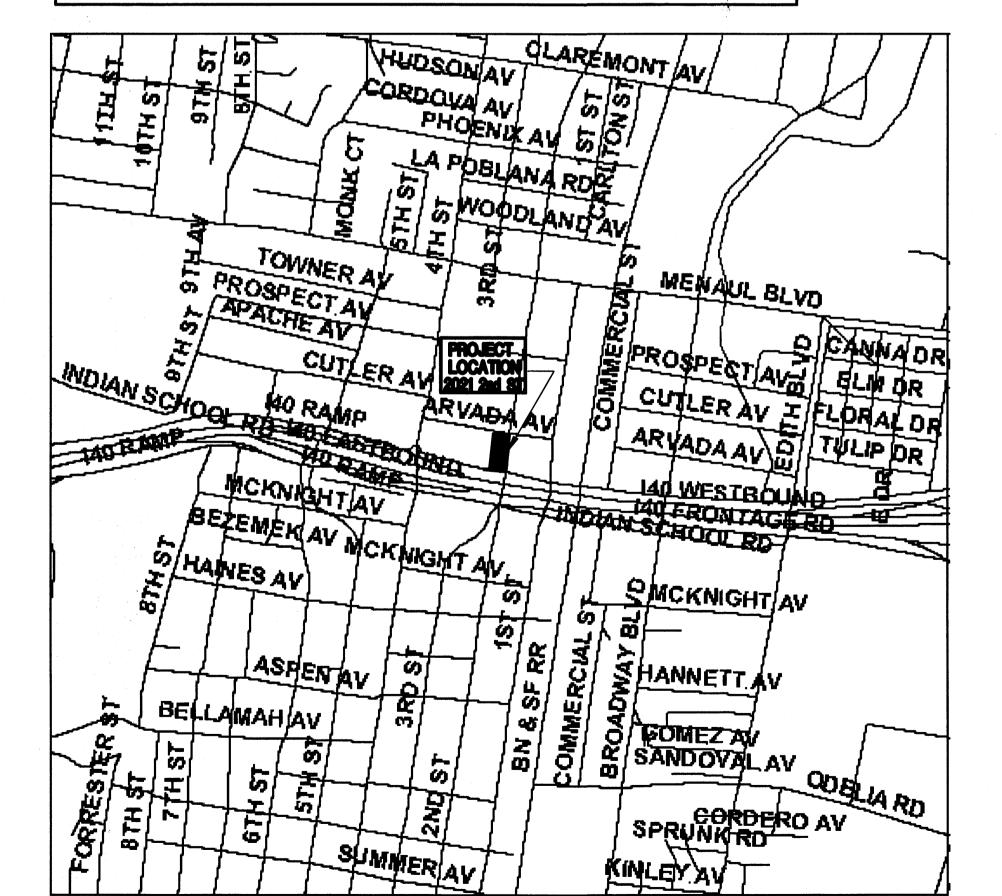
TOTAL REQUIRED PARKING

ADA ACCESSIBLE

4 REQUIRED 4 PROVIDED

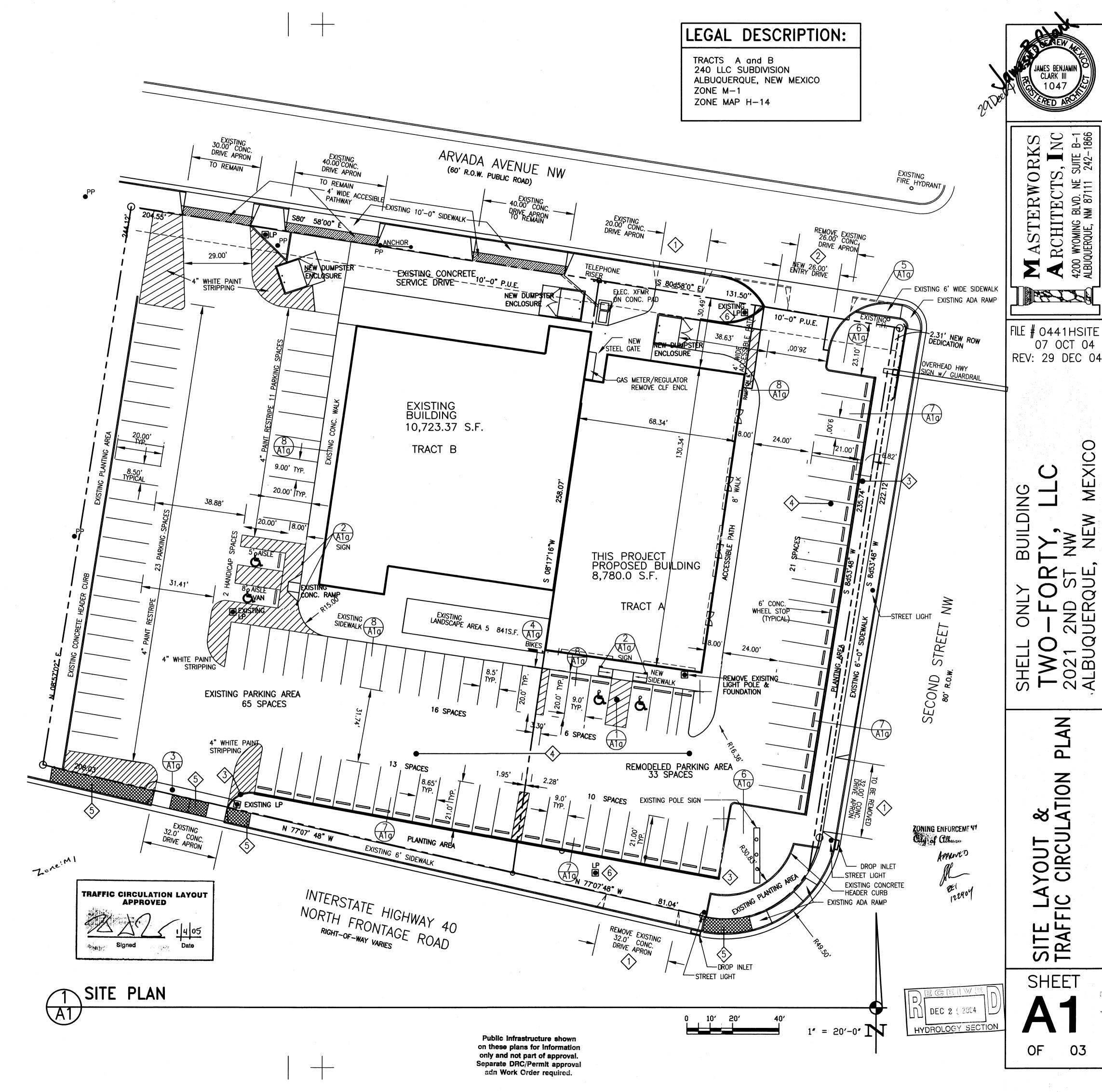
TOTAL SPACES PROVIDED:

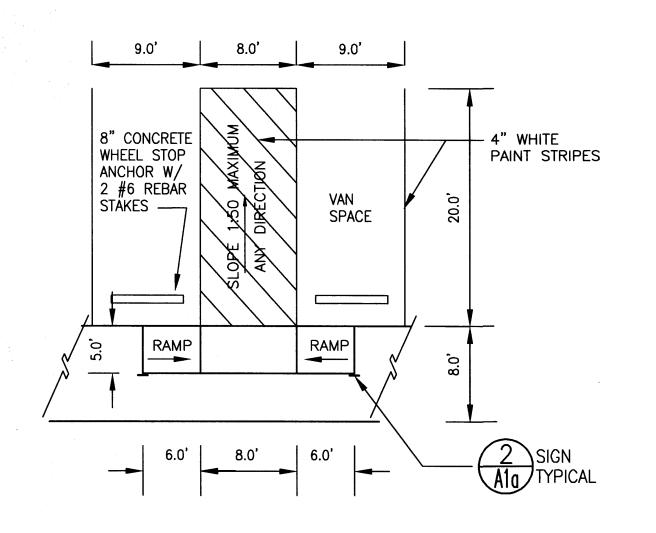
102 SPACES

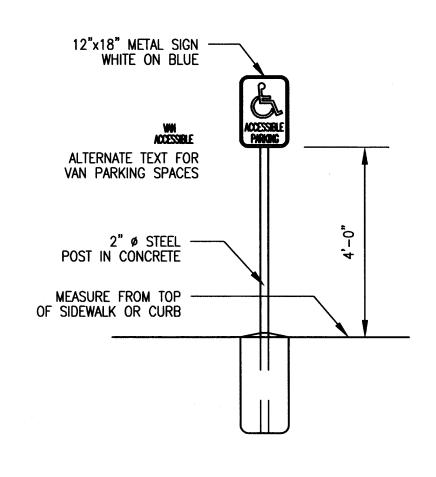


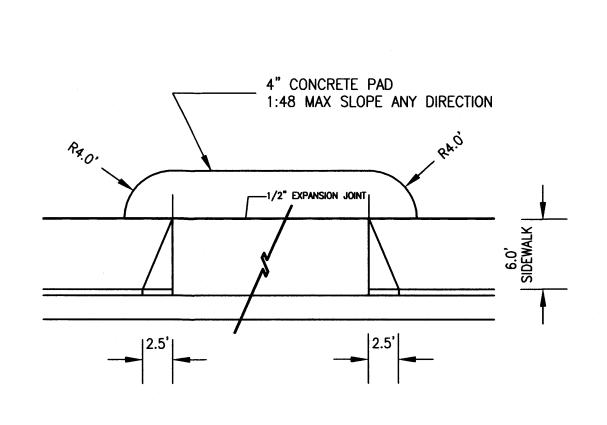


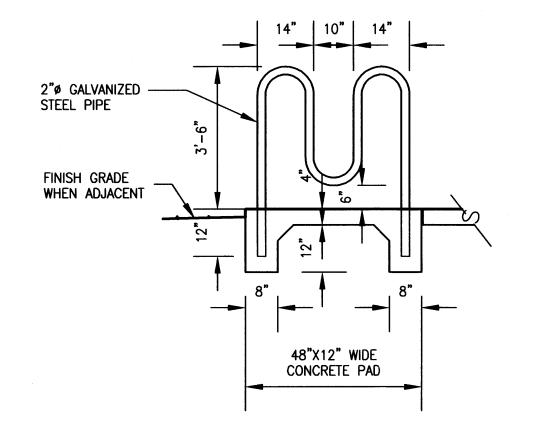
NO SCALE









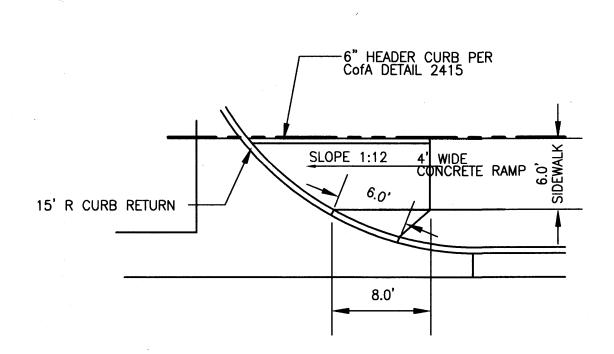


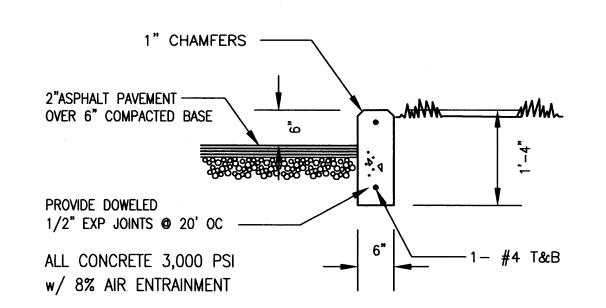


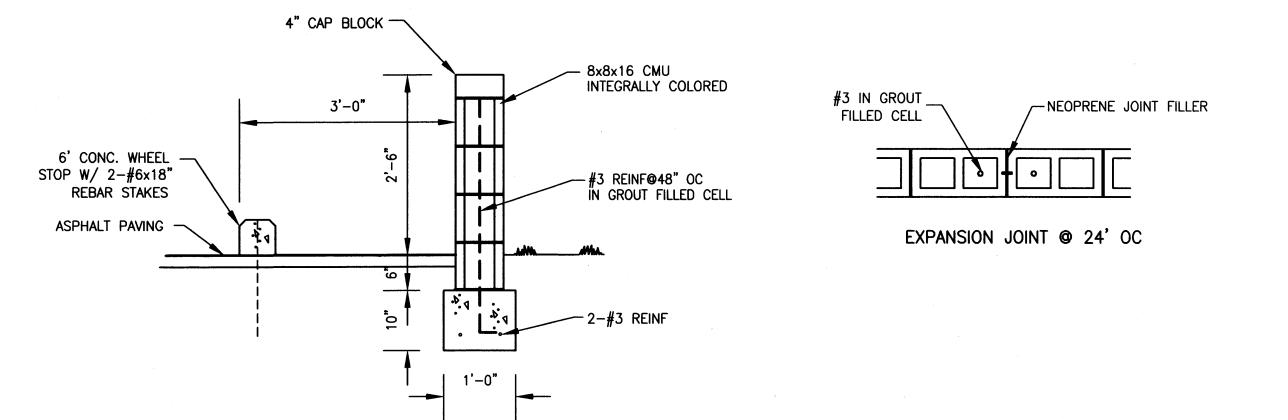










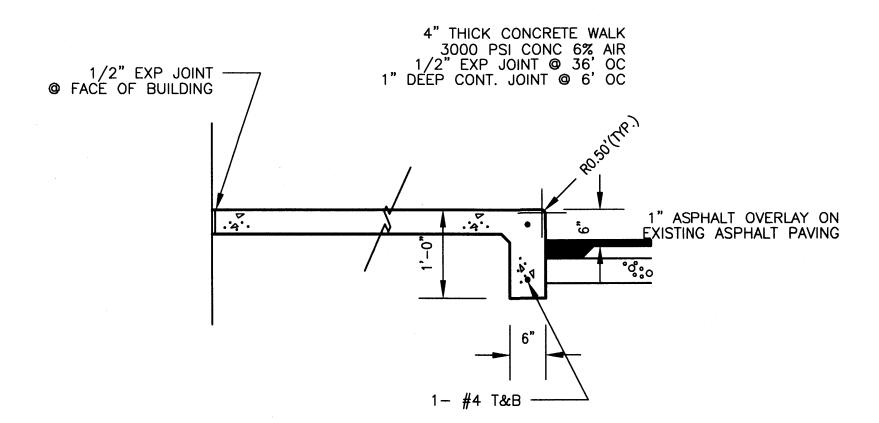


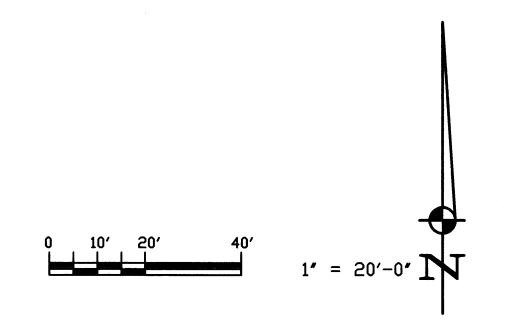
5 UNIDIRECTIONAL ACCESS RAMP DETAIL A1a PER CofA DWG 2426 SCALE: 1/8" = 1'-0"





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





8 TURNED DOWN EDGE CURB
SCALE: 3/4" = 1'-0"

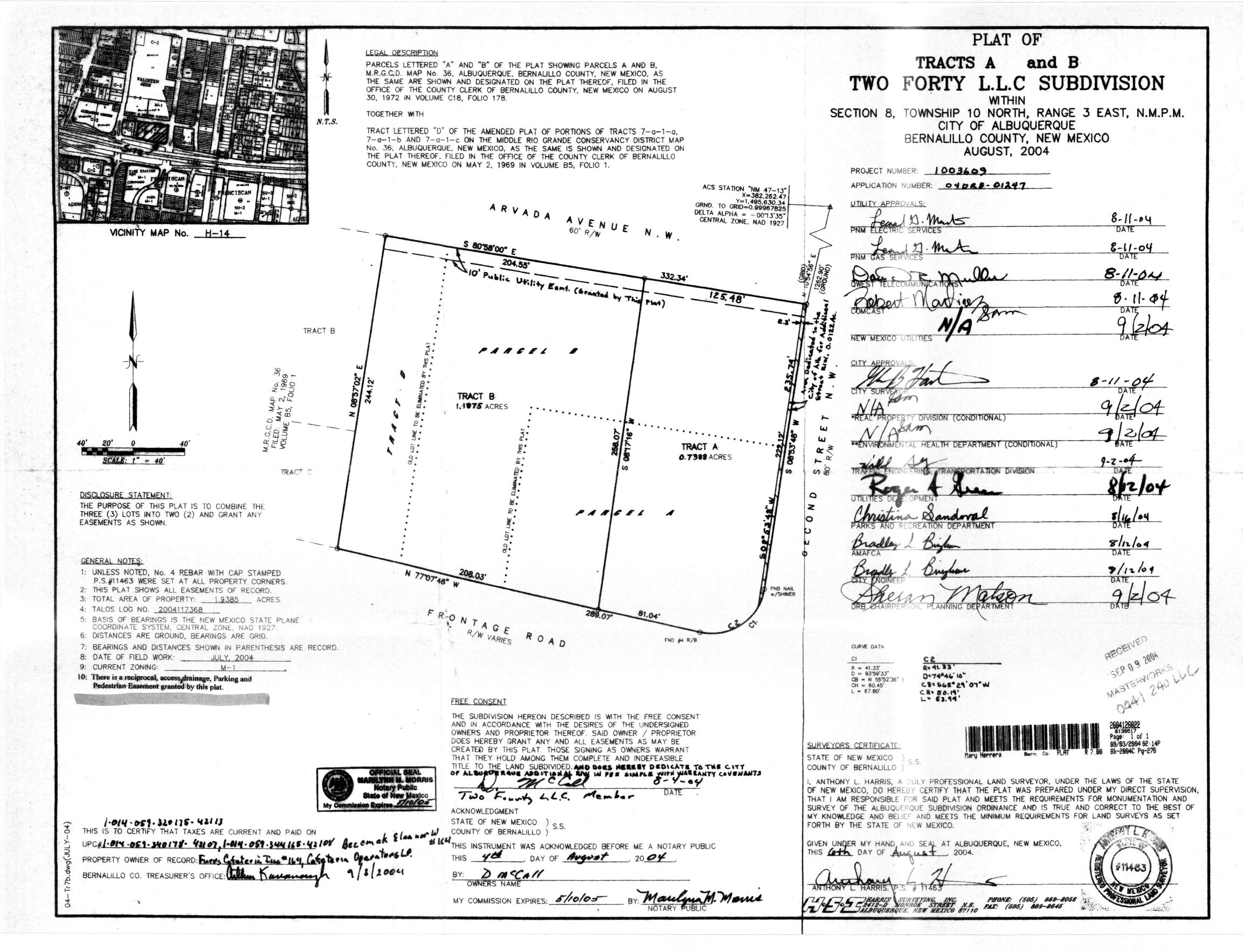
SANCHITECTS, INC 4200 WYOMING BLVD. NE SUITE B-1 ALBUQUERQUE, NM 87111 242-1866

SHELL ONLY BUILDING

TWO-FORTY, LLC
2021 2ND ST NW
ALBUQUERQUE, NEW MEXICO

SITE DETAILS TRAFFIC CIRCULATION PLAN

SHEET
A1a
OF 03



As required by Transportation Development Section, a copy of the approved TCL AS-BUILT will be submitted by the designer or acceptable representative party which includes a letter of certification stating the site has been constructed in accordance with the approved TCL. Verification of TCL acceptability, to include random field checks, will be made before a Final Certificate of Occupancy (C.O.) is issued. Please call this office to obtain temporary CO. Confirmation from Hydrology, supporting this requirement, will be needed prior to approval of TCL by Transportation.

CONSTRUCTION NOTES:

- REMOVE EXISTING DRIVE PAD.INSTALL NEW CURB GUTTER & SIDEWALK (CITY OF ABQ DETAIL 2415A & 2430)
- REMOVE EXISTING DRIVE PAD AND SIDEWALK, INSTALL NEW DRIVE ENTRANCE (CITY OF ABQ DETAIL 2426)
- 3 REMOVE EXISTING ASPHALT PAVING. INSTALL 6" CONCRETE HEADER.
- 4 ASPHALT OVERLAY ON EXISTING PAVEMENT NEW PAINT STRIPPING & 6' CONCRETE WHEEL STOPS.
- 5 REMOVE DAMAGED CONCRETE AND REPLACE (CITY OF ABQ. DETAIL 2415A SIDEWALKS & 2428 DRIVEPADS)
- 6 CHECK SUPPLY AND CONTROLS OF LIGHT POLE & SIGN FIXUTRES, RELAMP ALL FIXTURES.
- 7 REMOVE EXISTING ASPHALT & INSTALL NEW 6" CONCRETE PAVING

MAINTAIN ADEQUATE SECURITY TO PROTECT BUILDING UNDER CONSTRUCTION. KEEP SITE SAFE&CLEAN. BLOCK OFF& MARK ANY HAZARDOUS AREAS.

PARKING CALCULATIONS:

REQUIRED FOR

COMMERCIAL

19,503.37 GSF / 200 GSF 98 SPACES

RETAIL PROPOSED BUILDING EXISTING BUILDING

8,780 NSF / 200 GSF 10,723 NSF / 200 GSF 44 SPACES 54 SPACES

TOTAL REQUIRED PARKING

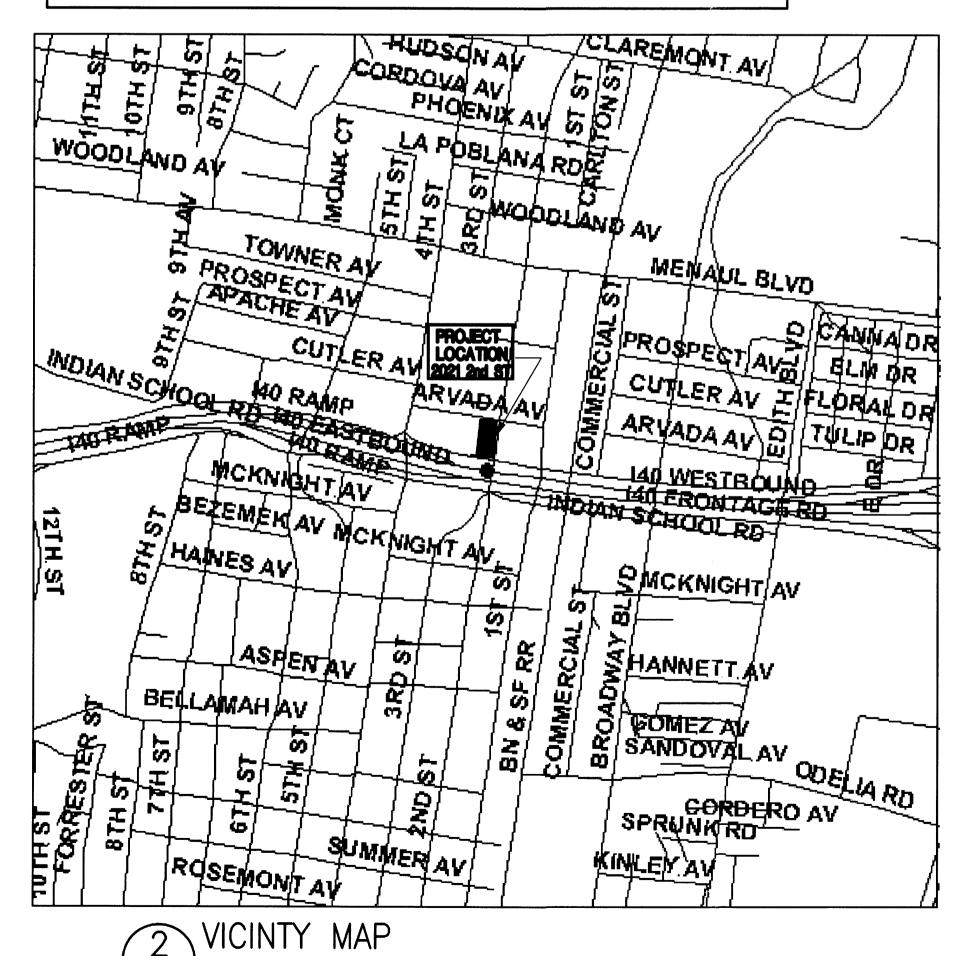
ADA ACCESSIBLE (VANS INCLUDED 4 REQUIRED 4 PROVIDED

2)

TOTAL SPACES PROVIDED:

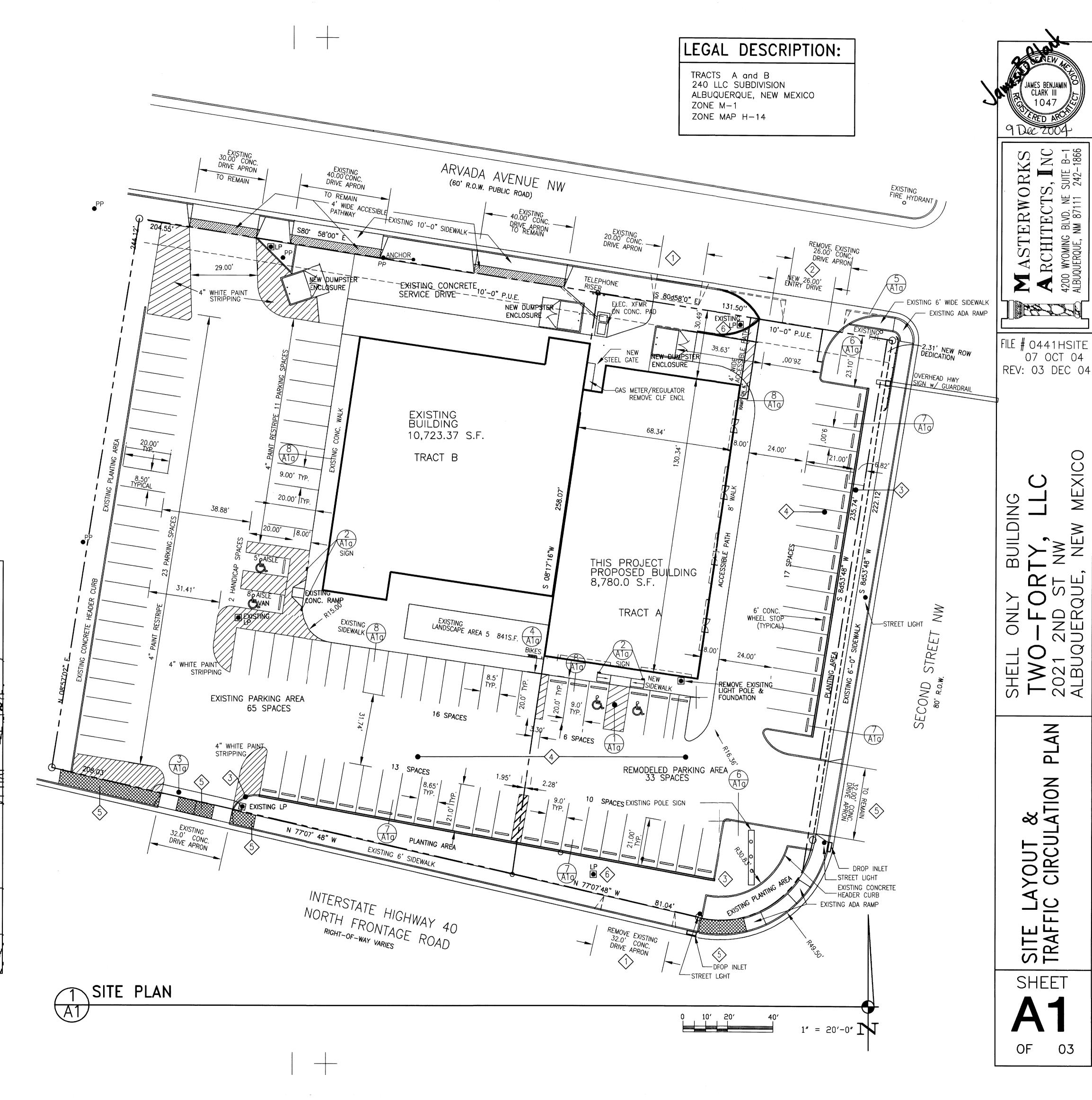
98 SPACES

98 SPACES





NO SCALE



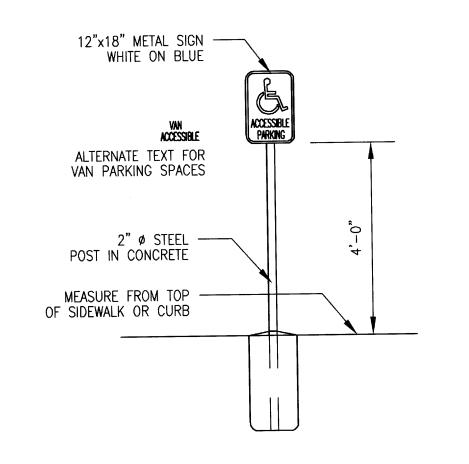
RCHITECTS

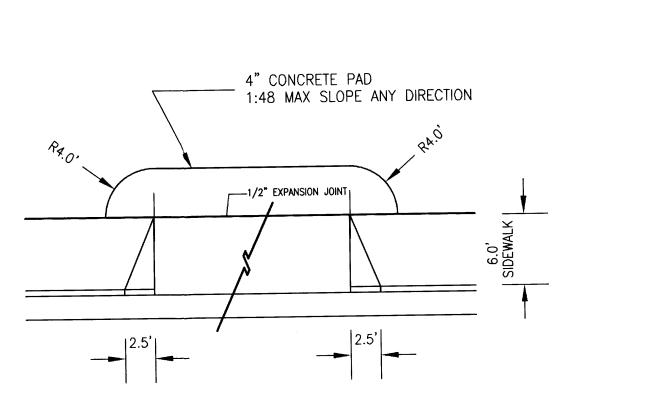
VD. 871

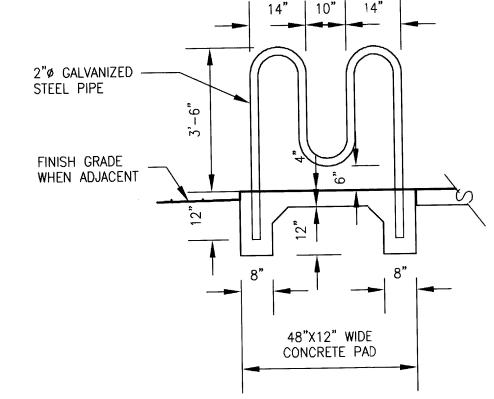
MEXICO

 \triangleleft

03







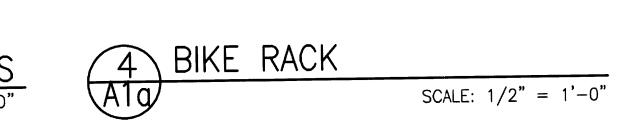


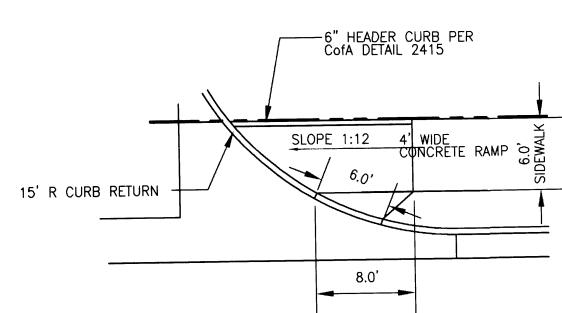


2"ASPHALT PAVEMENT ———— OVER 6" COMPACTED BASE

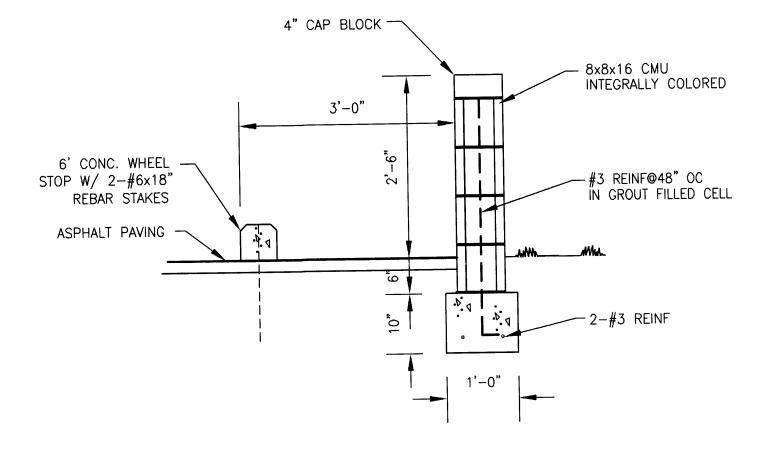
1" CHAMFERS —

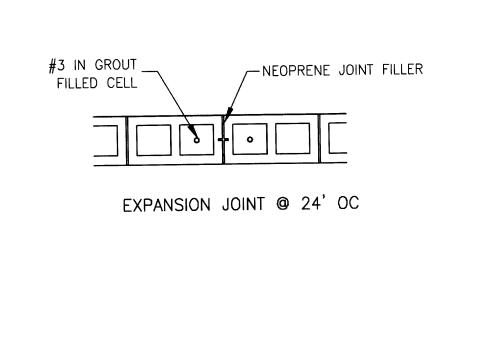










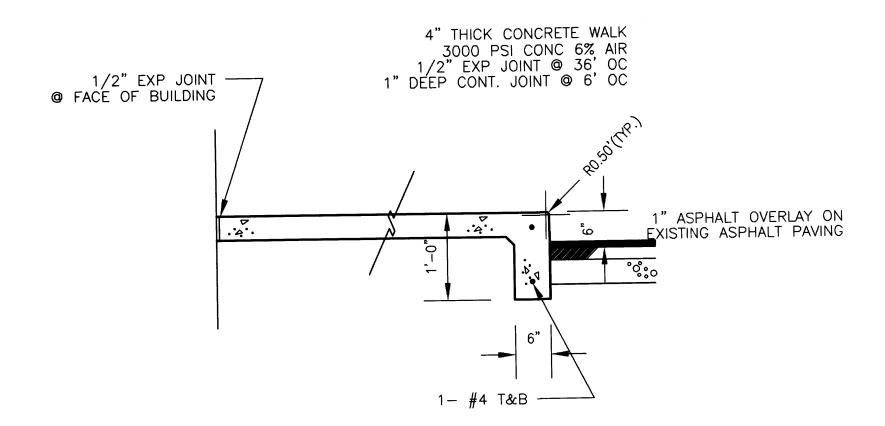


5 UNIDIRECTIONAL ACCESS RAMP DETAIL SCALE: 1/8" = 1'-0"PER CofA DWG 2426

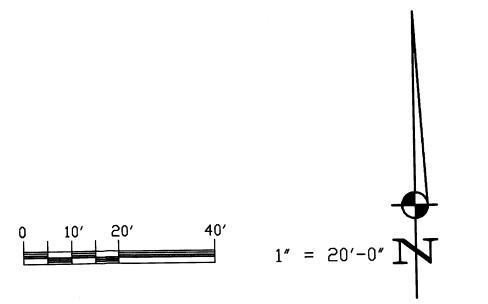




SCALE: 3/4" = 1'-0"







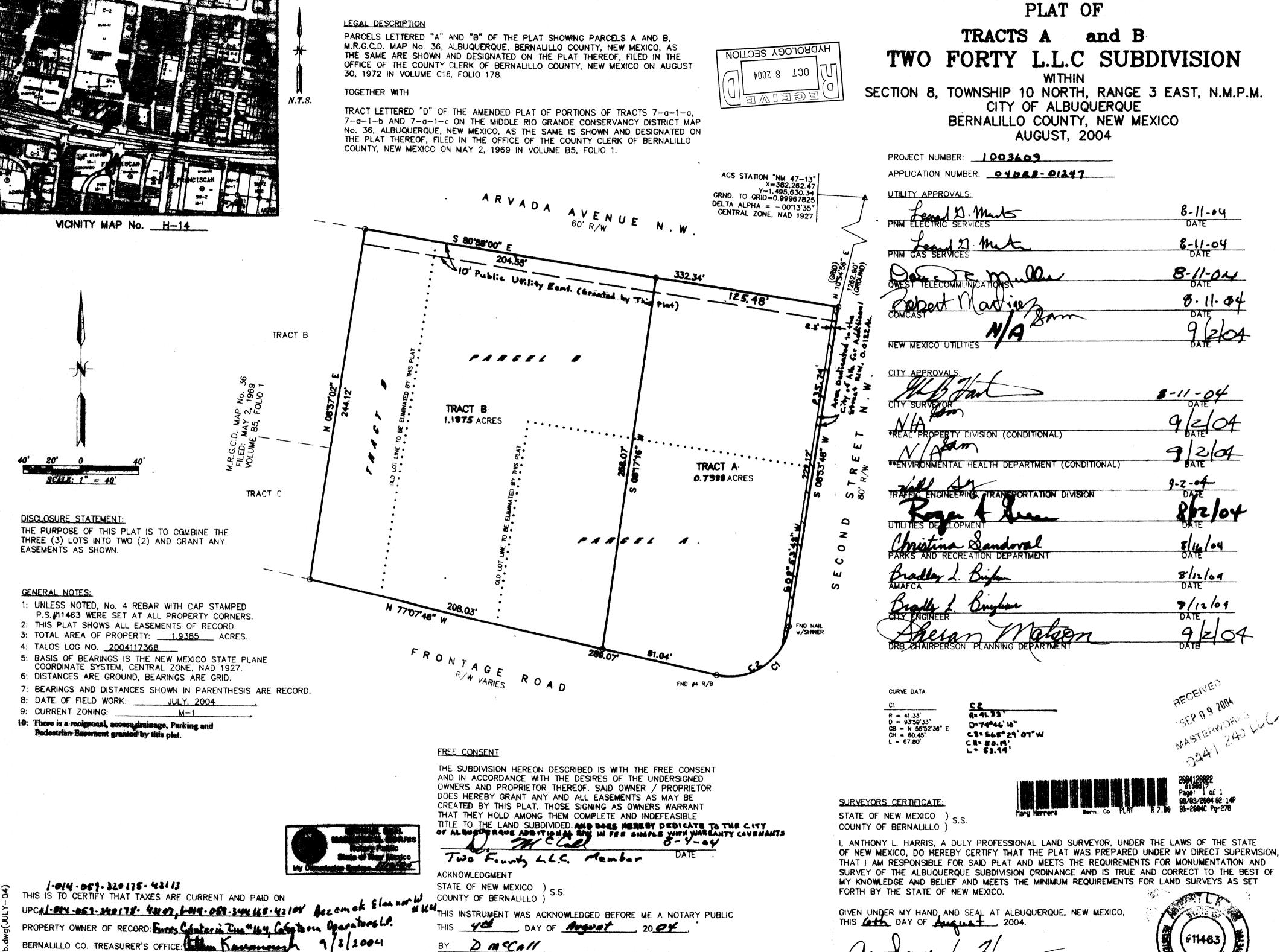
S, **I** NC SUITE B-1 242-1866 ASTERWORKS RCHITECT

FILE # 0441HSITE 07 OCT 04 REV: 03 DEC 04

MEXICO BUILDING SHELL ONLY EXT TWO-FORT 2021 2ND ST ALBUQUERQUE,

> AN 7 ATION. SITE DETAILS TRAFFIC CIRCULA

SHEET



PHONE: (505) 889-8058

HARRIS SURVEYING, INC. PHONE: (505) 669-60. - 2412-D MONROE STREET N.B. PAX: (505) 669-8645 JALBUQUERQUE, NEW MEXICO 87110

BY: DMSCATT

MY COMMISSION EXPIRES: 5/10/05 BY: Marly M. Marris

As required by Transportation Development Section, a copy of the approved TCL AS-BUILT will be submitted by the designer or acceptable representative party which includes a letter of certification stating the site has been constructed in accordance with the approved TCL. Verification of TCL acceptability, to include random field checks, will be made before a Final Certificate of Occupancy (C.O.) is issued. Please call this office to obtain temporary CO. Confirmation from Hydrology, supporting this requirement, will be needed prior to approval of TCL by Transportation.

CONSTRUCTION NOTES:

- 1) REMOVE EXISTING DRIVE PAD.INSTALL NEW CURB GUTTER & SIDEWALK (CITY OF ABQ DETAIL 2415A & 2430)
- 2 REMOVE EXISTING DRIVE PAD AND SIDEWALK, INSTALL NEW DRIVE ENTRANCE (CITY OF ABQ DETAIL 2426)
- 3 REMOVE EXISTING ASPHALT PAVING. INSTALL 6" CONCRETE HEADER.
- 4 ASPHALT OVERLAY ON EXISTING PAVEMENT NEW PAINT STRIPPING & 6' CONCRETE WHEEL STOPS.
- 5 REMOVE DAMAGED CONCRETE SIDEWALK AND REPLACE (CITY OF ABQ. DETAIL 2415A)
- 6 CHECK SUPPLY AND CONTROLS OF LIGHT POLE & SIGN FIXUTRES, RELAMP ALL FIXTURES.
- REMOVE EXISTING ASPHALT & INSTALL NEW 6" CONCRETE PAVING

MAINTAIN ADEQUATE SECURITY TO PROTECT BUILDING UNDER CONSTRUCTION. KEEP SITE SAFE&CLEAN. BLOCK OFF& MARK ANY HAZARDOUS AREAS.

PARKING CALCULATIONS:

REQUIRED FOR

COMMERCIAL

19,446.05 GSF / 200 GSF 99 SPACES

PROPOSED BUILDING EXISTING BUILDING 8,840 NSF / 200 GSF 10,274 NSF / 200 GSF 45 SPACES 54 SPACES

ADA ACCESSIBLE

(VANS INCLUDED

4 REQUIRED 5 PROVIDED

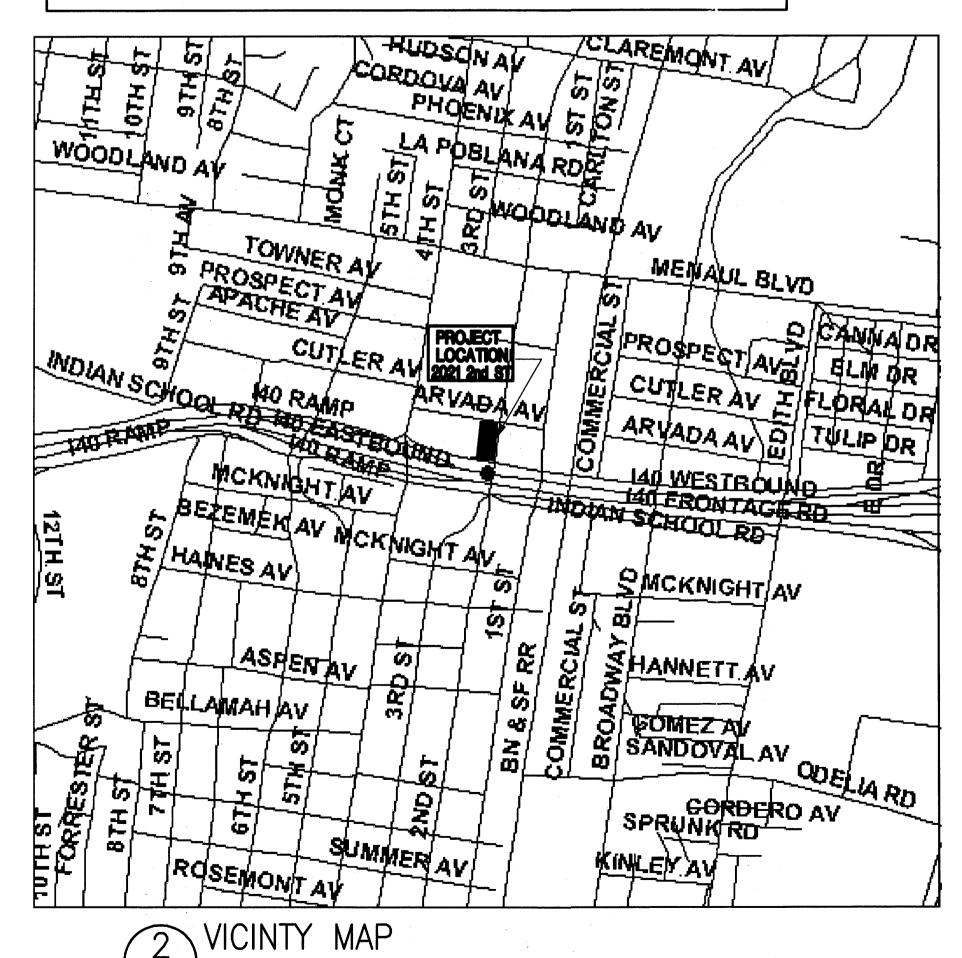
TOTAL SPACES PROVIDED:

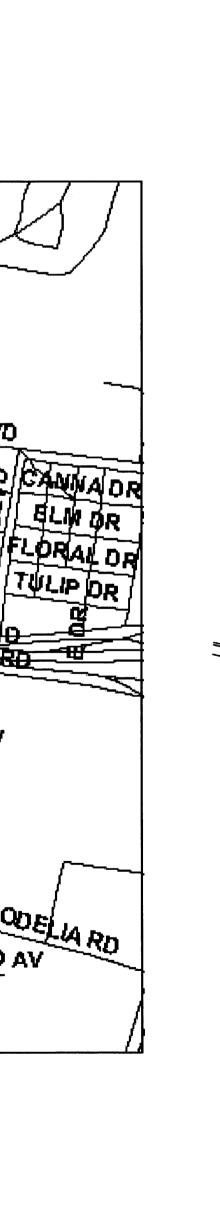
TOTAL REQUIRED PARKING

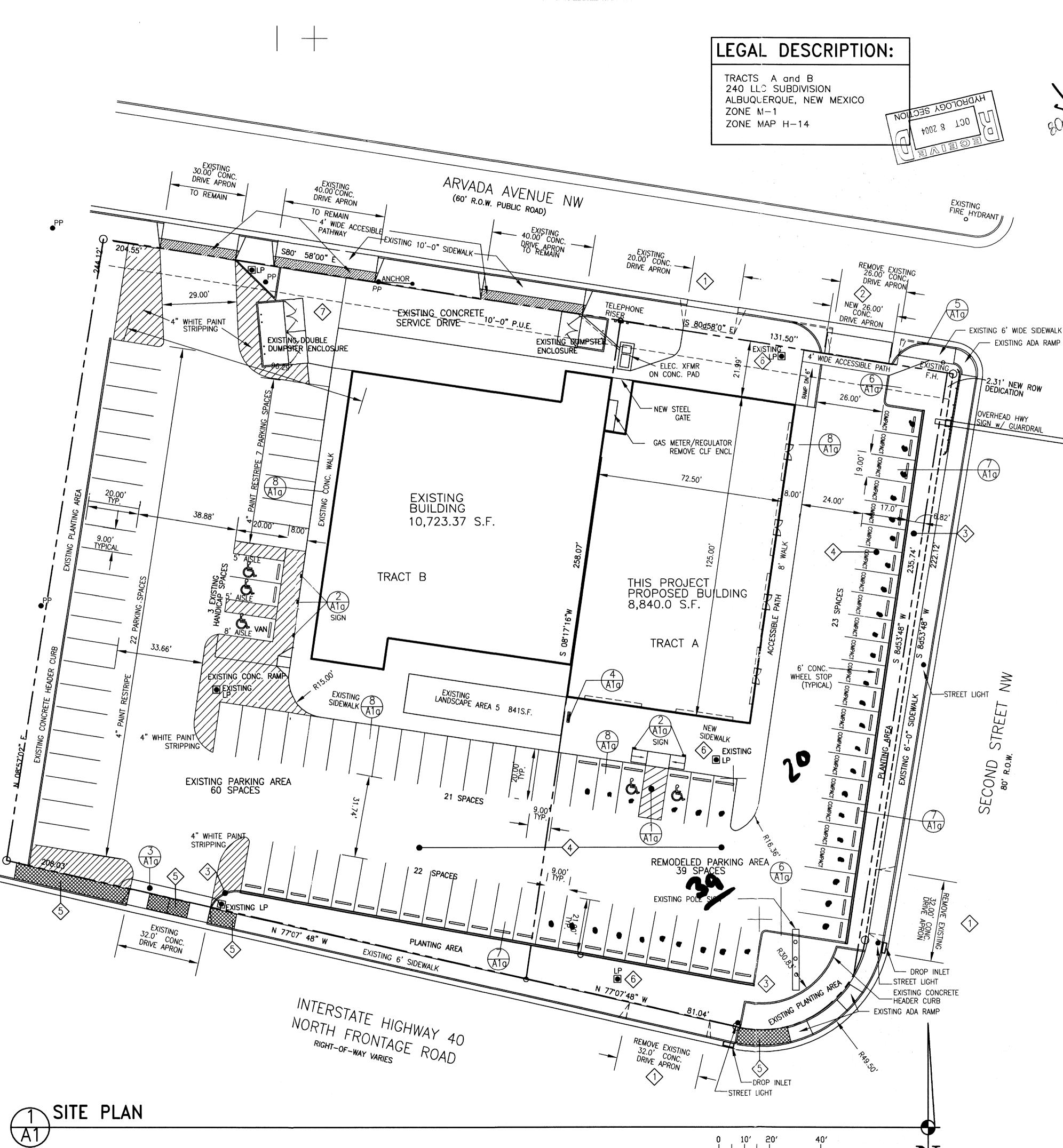
99 SPACES

NO SCALE

99 SPACES







I NC IITE B-1 42-1866 RCHITECT $\Sigma \triangleleft$

FILE # 0441FSITE "07 OCT 04

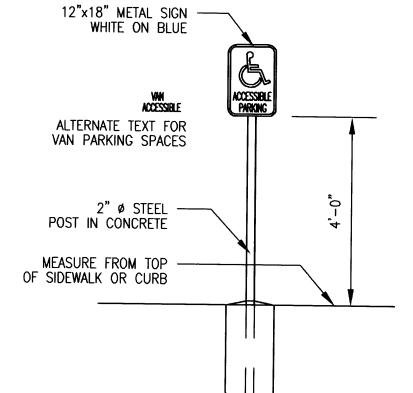
DING.

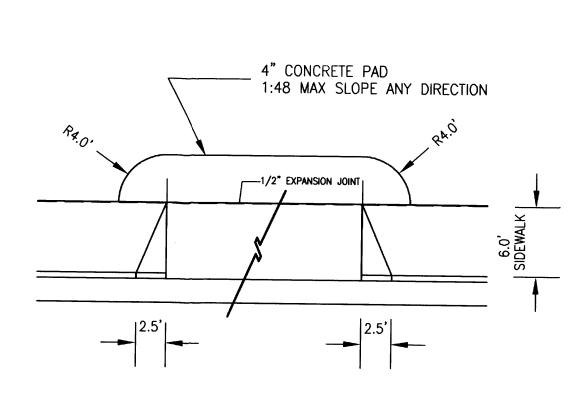
OR ST QUE, SHELL ONL

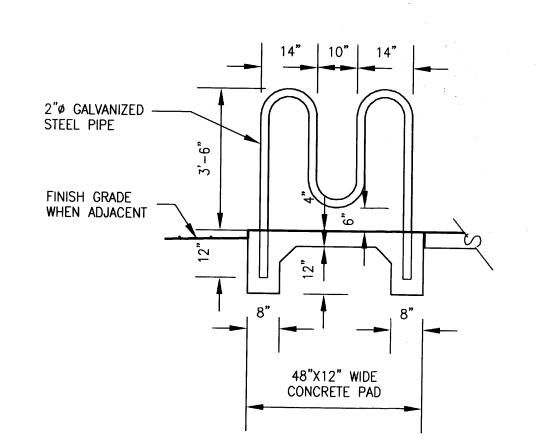
TWO-F(
2021 2ND
ALBUQUERC AN

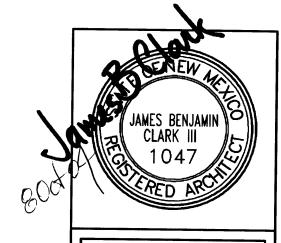
& -ATION LAYOUT 8 SITE TRAFI

SHEET









HYDROLOGY SECTION

OCT 8 2004

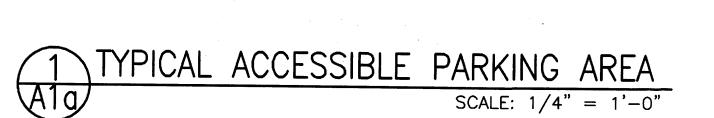
A RCHITECTS, INC 4200 WYOMING BLVD. NE SUITE B-1 ALBUQUERQUE, NM 87111 242-1866 ASTERWORKS O WYOMING BLVD. NE JQUERQUE, NM 87111

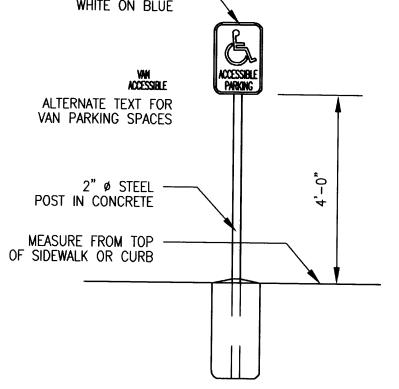
FILE # 0441FSITE 07 OCT 04

MEXICO SUILDING SHELL ONLY EXTRACT TWO-FORT 2021 2ND STALBUQUERQUE,

> PLAN CIRCULATION **DETAILS**

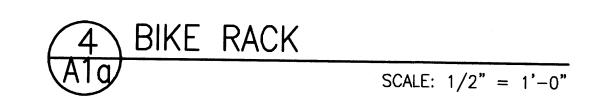
SITE DE TRAFFIC SHEET

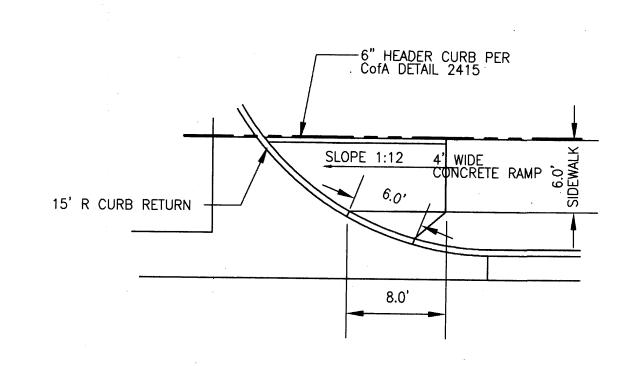




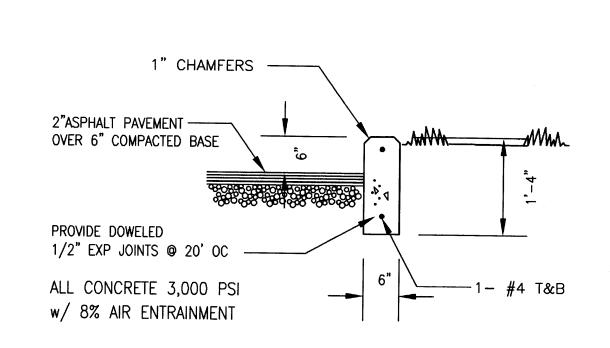




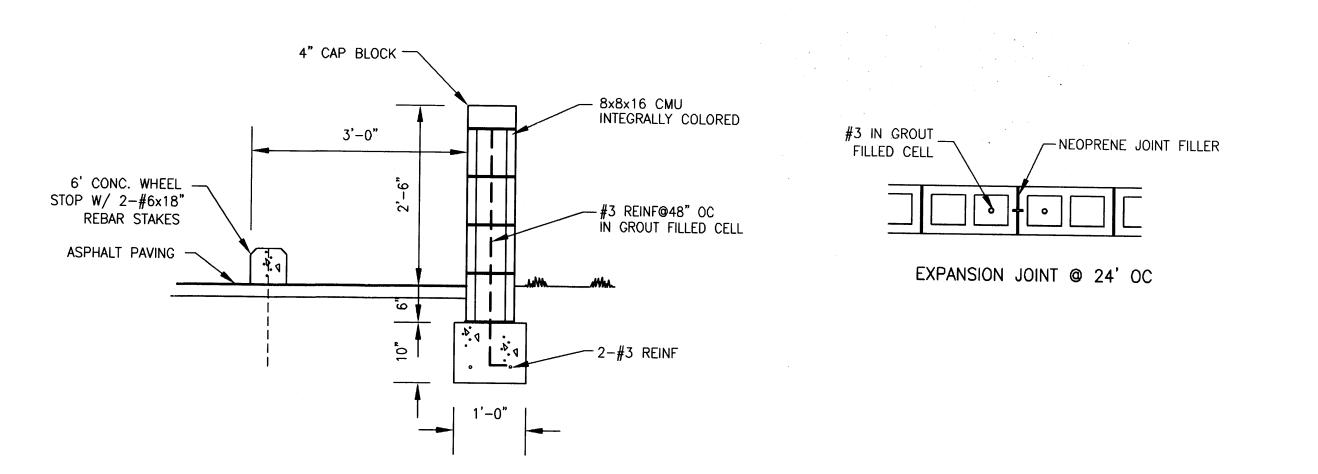


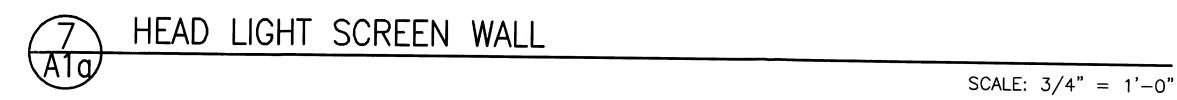


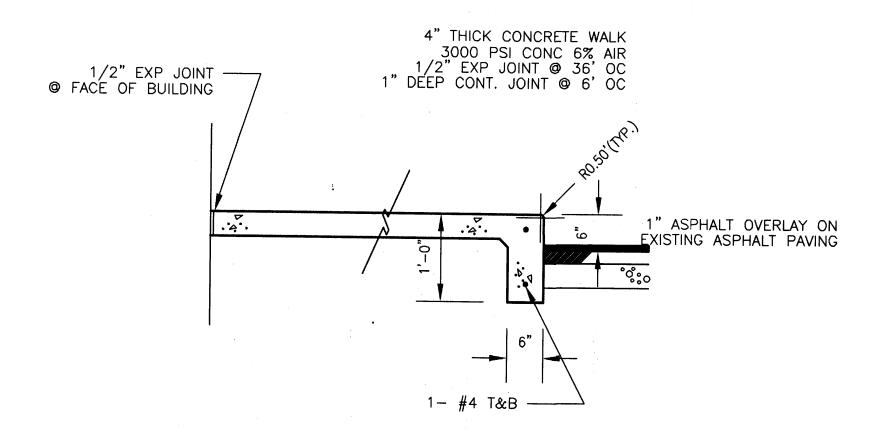


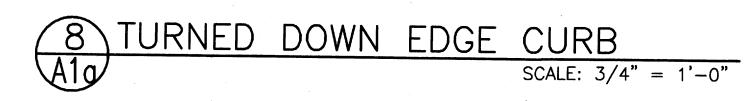


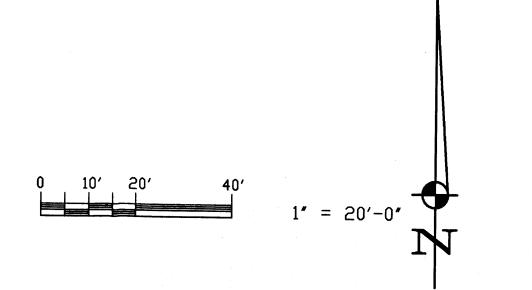






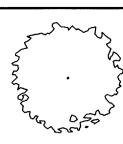






PLANT MATERIALS:

DECIDUOUS:



ASH (FRAXINUS TEXANA) BLACK LOCUST (ROBINIÁ PSUEDOACACIA) 2-2 1/2" CAL., 3 ASH 30' H x 25' W 4 LOUST 50' H x 30' W



2 DESERT OLIVE (FORESTIERA NEOMEIXICANA) 15' HX 10' W 3 GAL.



2 BIRDS OF PARADISE(CAESALPINIA GILLIESII) 4'-6" HX 3'-6" W



1 GAL.



TAM JUNIPER (JUNIPERUS SABINA) 14- 18" H x 10'-20" W



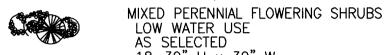
FOURWING SALTBUSH (ATRIPLEX CANESCENS) 1 GAL., 22 – 2'5" H x 3' W



APACHE PLUME (FALLUGIA PARADOXA)



10 - 2'-8" - 5' H x 2'-6" W



COVERAGE OF PLANTING AREAS.

AS SELECTED 18-30" H x 30" W

ALL GROUND COVER TO BE SANTA FE BROWN GRAVEL MULCH OVER FILTER FABRIC

ALL LANDSCAPING AT MATURITY SHALL PROVIDE 75% LIVE

LANDSCAPE NOTES:

LANDSCAPE MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER. ALL PLANT MATERIALS WHICH DO NOT SURVIVE SHALL BE REPLACED WITHIN 60 DAYS.

THE INSTALLED LANDSCAPING IS TO COMPLY WITH THE CITY OF ALBUQUERQUE WATER CONSERVATION ORDINANCES. THIS DESIGN IS BASED ON THE PLANTING RESTRICTIONS APPROACH. ALL PLANTS ARE LOW & MEDIUM WATER USE, AND NO SOD IS TO BE USED IN THIS DESIGN.

LANDSCAPE INSTALLATION SHALL BE COMPLETED WITHIN 60 DAYS OF BUILDING OCCUPANCY.

IRRIGATION NOTES:

IRRIGATION SYSTEM SHALL BE AN AUTOMATIC CONTROLLED

WATERING SYSTEM.

TREES & SHRUBS: TO RECEIVE FIVE 1.0 GPM DRIP EMITTERS
SHRUBS TO RECEIVE ONE 1.0 GPM DRIP TYPE EMITTER RUN TIME PER EMITTER TO BE APPROXIMATELY 15 MINUTES AS ADJUSTED FOR INDIVIDUAL PLANT REQUIREMENTS.

LANDSCAPE CALCULATIONS:

REQUIRED LANDSCAPED AREA:

34,005.66 SF GROSS LOT AREA: BUILDING FOOTPRINT: 8,722.68 GSF

NET LOT AREA:

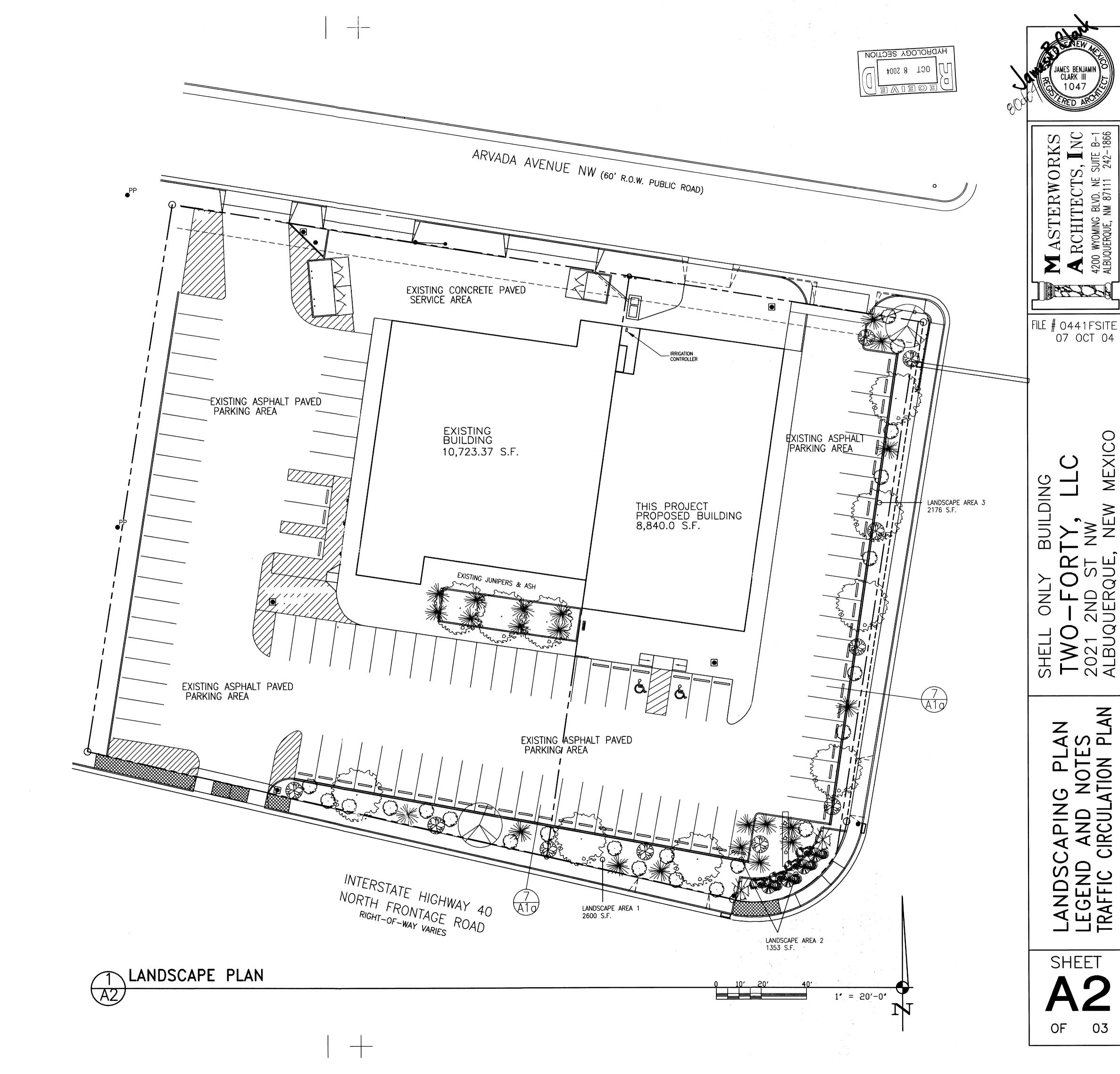
x 15 % 3,792.44 GSF

25,282.98 SF

REQUIRED AREA: PROVIDED:

> AREA 1 2600 SF AREA 2 1353 SF AREA 3 2176 SF

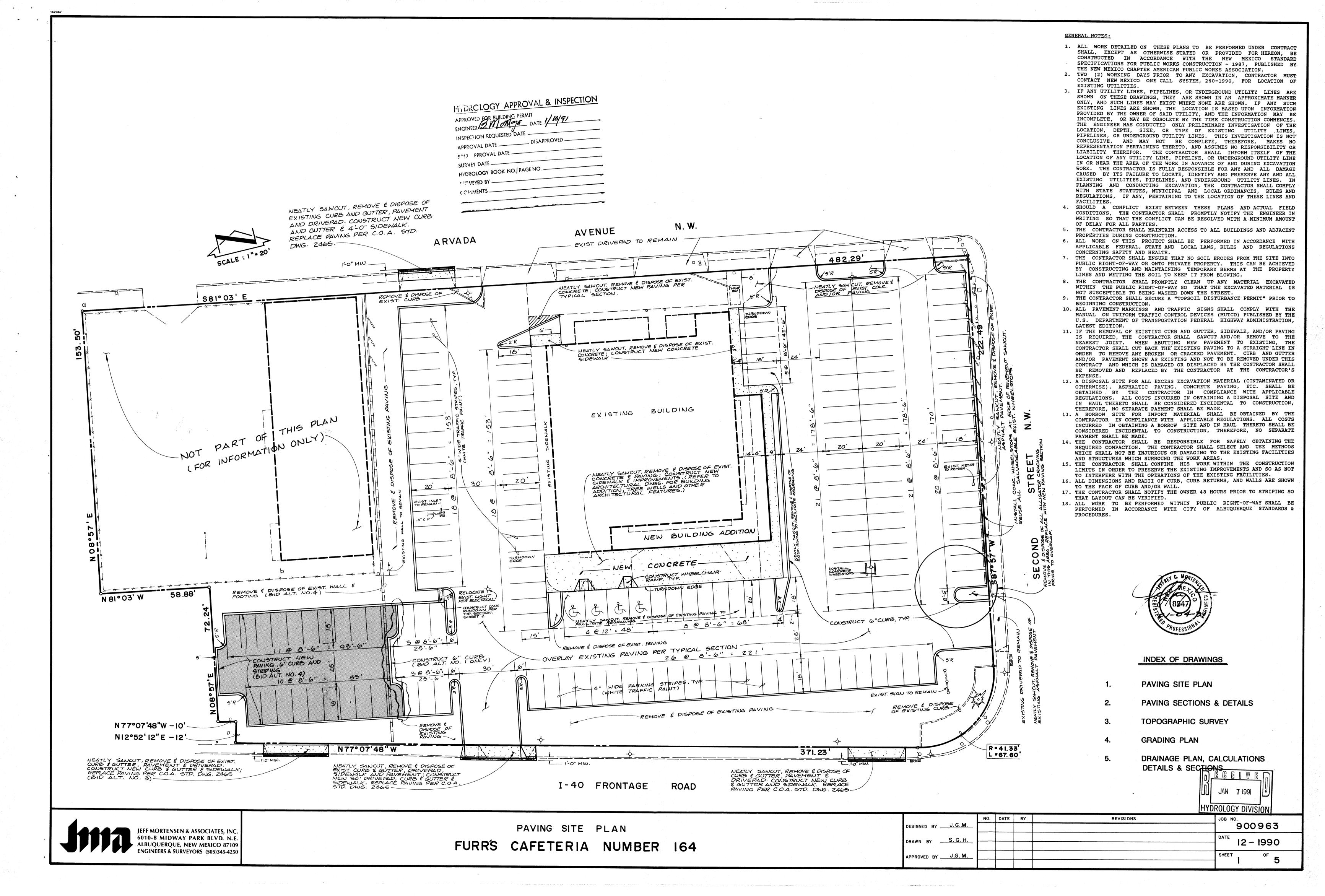
TOTAL AREA: 6129 SF

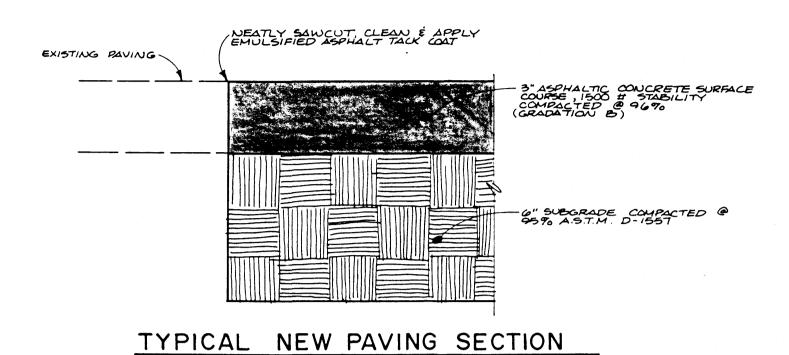


RCHITECT

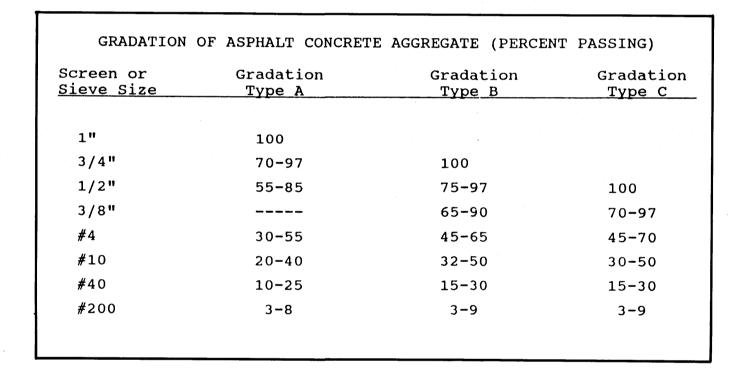
Q

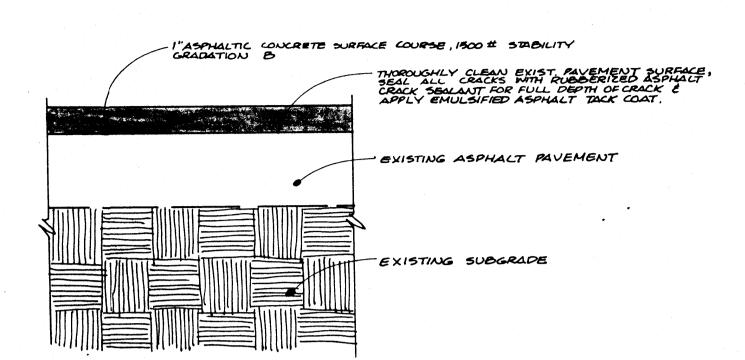
NOTE





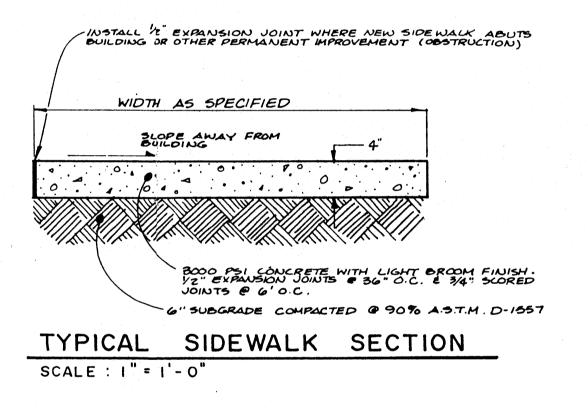
SCALE : 1" = 4"

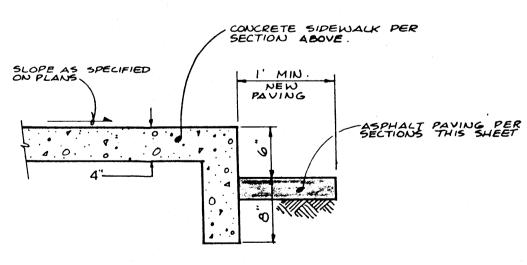




TYPICAL OVERLAY PAVING SECTION

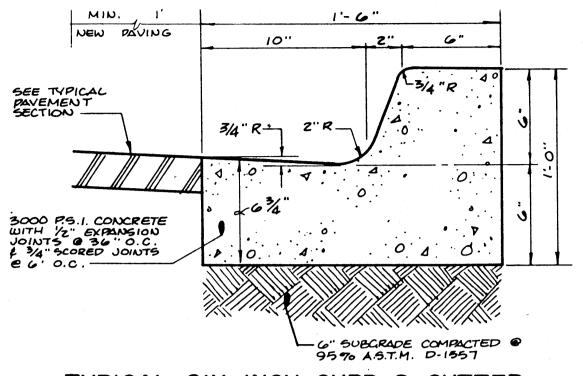
SCALE: 1 " * 4"





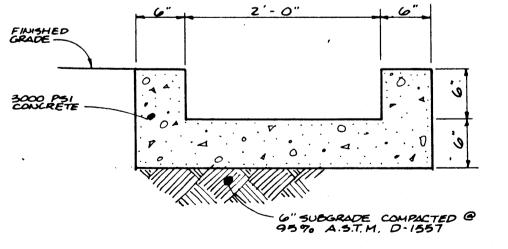
TURNDOWN SIDEWALK SECTION

SCALE: | "= | '-0"

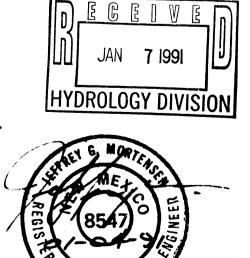


TYPICAL SIX-INCH CURB & GUTTER

NOTE: A 6" EXTRUDED CONCRETE CURB (e.g. PERMA-CURB.
OR APPROVED EQUAL) IS ACCECPTABLE IN LIEU
OF CURB AND GUTTER. EXTRUDED CURB MUST
BOND SECURELY TO PAVING SURFACE AND SHALL
NOT BE APPLIED UNTIL AFTER ALL PAVING IS
COMPLETE.



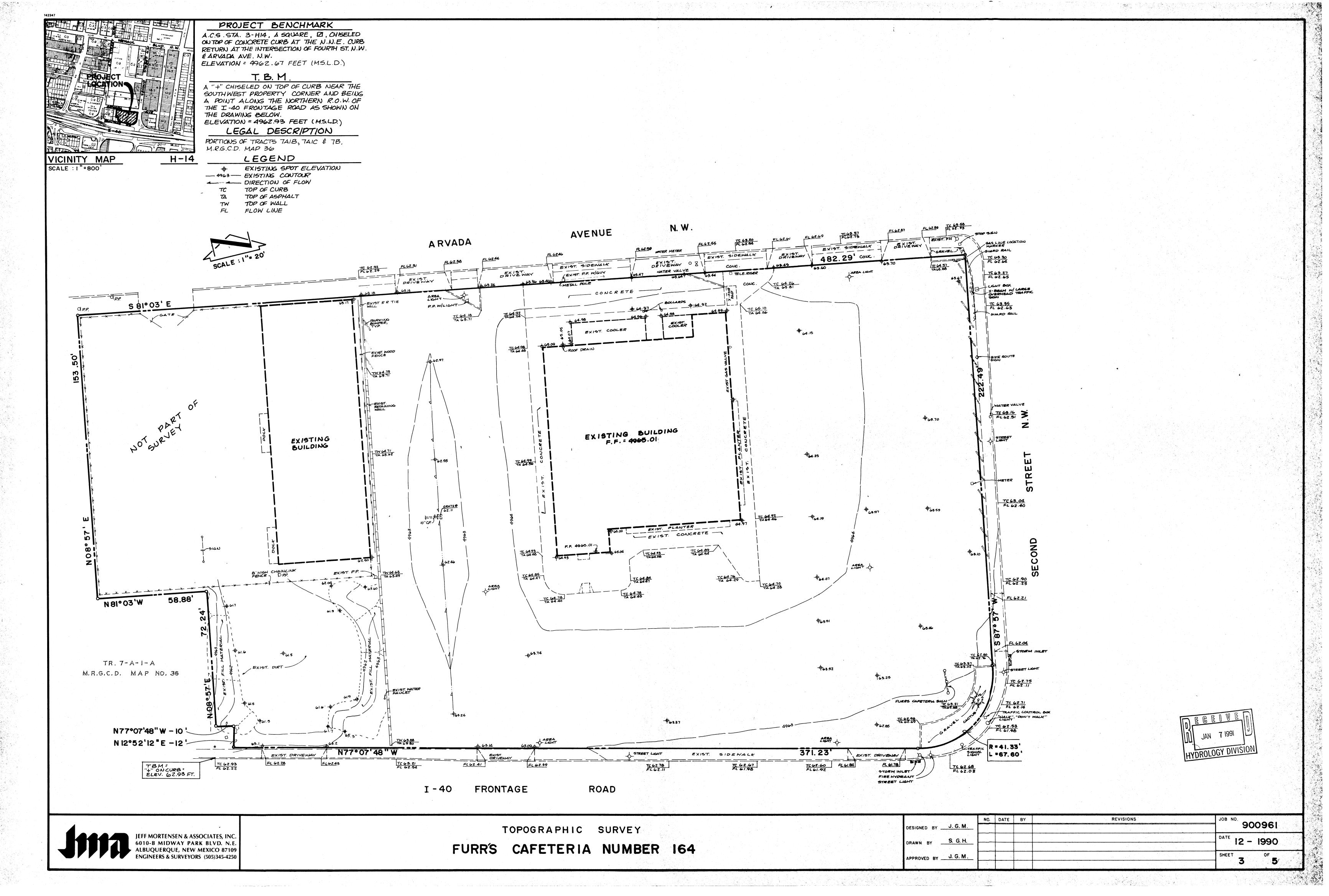
SCALE : I = I' - O"

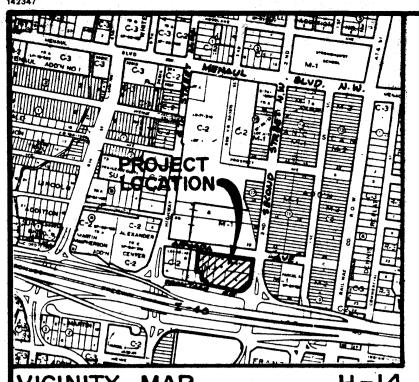




PAVING SECTIONS AND DETAILS
FURR'S CAFETERIA NUMBER 164

	NO.	DATE	BY	REVISIONS	JOB NO.
DESIGNED BY J. G. M.					900963
DRAWN BY S.G.H.					DATE
DRAWN BY					12-90
APPROVED BY J.G. M.					SHEET 2 OF 5





VICINITY MAP SCALE : 1 " = 800'

PROJECT BENCHMARK

A.C.G. STA. 3-HI4, A SQUARE, Z. CHISELED OUTOP OF CONCRETE CURB AT THE N.N.E. CURB RETURN AT THE INTERSECTION OF FOURTH ST. N.W. & ARVADA AVE. N.W.

ELEVATION = 4962.67 FEET (M.S.L.D.)

T.B.M. A "+" CHISELED ON TOP OF CURB NEAR THE SOUTHWEST PROPERTY CORNER AND BEING A POINT ALONG THE NORTHERN R.O.W. OF THE I-40 FRONTAGE ROAD AS SHOWN ON THE DRAWING BELOW. ELEVATION = 4962.93 FEET (MSLD.)

LEGAL DESCRIPTION

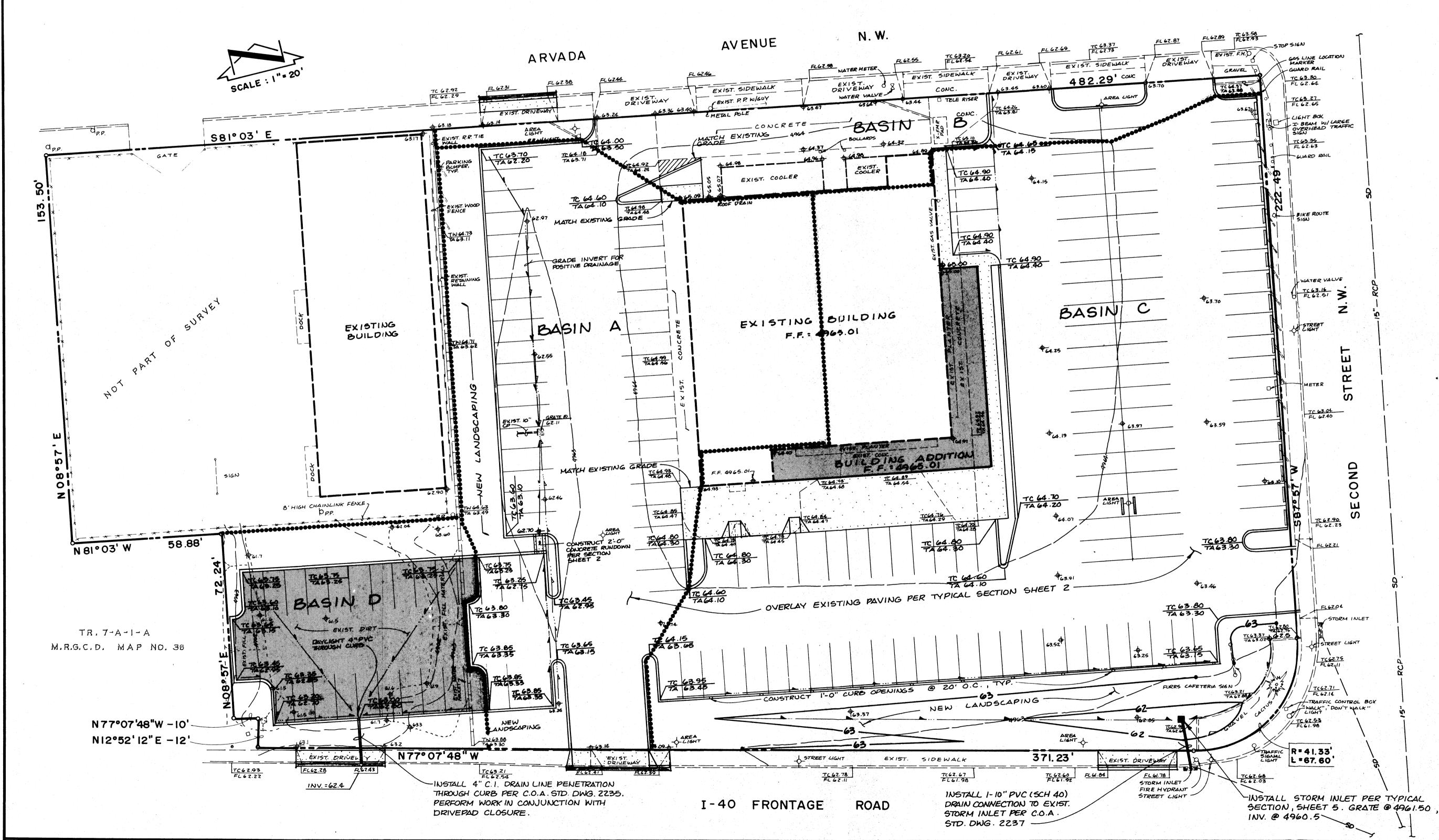
PORTIONS OF TRACTS TAIB, TAIC & 7B. M.R.G.C.D. MAP 36

LEGEND

EXISTING SPOT ELEVATION - 4963 - EXISTING CONTOUR DIRECTION OF FLOW TOP OF CURB TOP OF ASPHALT

TOP OF WALL FLOW LINE NEW SPOT ELEVATION

NEW DIRECTION OF FLOW ********** BASIN BOUNDARY LINE



Construction Notes

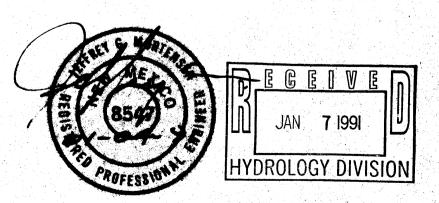
- 1. Two (2) working days prior to any excavation, contractor must contact New Mexico One Call System 260-1990, for location of existing utilities.
- 2. Prior to construction, the contractor shall excavate and verify the horizontal and vertical location of all potential obstructions. Should a conflict exist, the contractor shall notify the engineer in writing so that 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 Standards and Procedures.
- 5. If any utility lines, pipelines, or underground utility lines are shown on these drawings, they are shown in an approximate manner only, and such lines may exist where none are shown. If any such existing lines are shown, the location is based upon information provided by the owner of said utility. and the information may be incomplete, or may be obsolete by the time construction commences. The engineer has conducted only preliminary investigation of the location, depth, size, or type of existing utility lines, pipelines, or underground utility lines. This investigation is not conclusive, and may not be complete, therefore, makes no representation pertaining thereto, and assumes no responsibility or liability therefor.

 The contractor shall inform itself of the location of any utility line, pipeline, or underground utility line in or near the area of the work in advance of and during excavation work. The contractor is fully responsible for any and all damage caused by its failure to locate, identify and preserve any and all existing utilities; pipelines, and underground utility lines. In planning and conducting excavation, the contractor shall comply with state statutes, municipal and local ordinances, rules and regulations, if any, pertaining to the location of these lines and facilities.
- 6. 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.
- 7. Backfill compaction shall be according to street use.
- 8. Maintenance of these facilities shall be the responsibility of the owner of the property served.
- 9. The design of planters and landscaped areas is not part of this plan. All planters and lanterspect areas adjacent to the building(s) shall be provided with positive drainage to avoid any ponding adjacent to landscaping plan.

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 berms at the property lines and wetting 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 Disturbance" Permit" prior to beginning construction.

APPROVALS	NAME	DATE
A.C.E. / DESIGN	Berry Montage	1/1491
INSPECTOR		
A.C.E. / FIELD		





GRADING PLAN

FURRS CAFETERIA NUMBER 164

NO. DATE BY REVISIONS DESIGNED BY J.G.M. 900962 DRAWN BY ____S.G.H. 12 - 1990 APPROVED BY J.G. M.

DRAINAGE PLAN

The following items concerning the Furrs Cafeteria Number 164 Drainage Plan are contained on Sheet 4:

> 1. Vicinity Map 2. Grading Plan

The calculations are contained hereon.

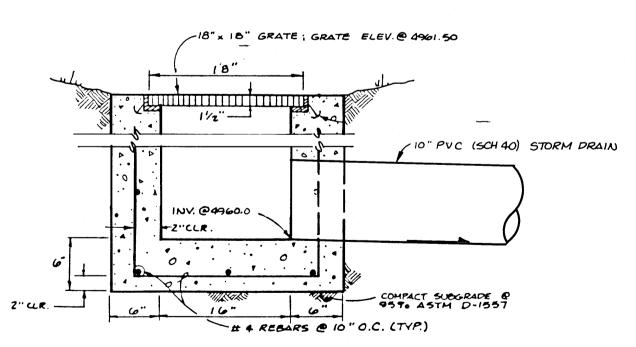
As shown by the Vicinity Map, the site is located in the northwest quadrant of the intersection of Second Street N.W. and the North Interstate Forty Frontage Road. This site is located in an infill area. A restaurant and adjacent paving currently occupy the site. This plan is to address the changes in stormwater runoff due to an addition to the existing building and modifications to the adjacent paving.

As shown on Panel 22 of 50 of the National Flood Insurance Program Flood Boundary and Floodway Maps for the City of Albuquerque, New Mexico, the streets adjacent to the property lie within a designated 100-year flood hazard zone. The map indicates that only the edges of the subject site lie within this zone. The finish floor of the existing building and proposed addition are approximately 1.5' above the estimated peak flood stage.

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) the continuity between existing and proposed grades. As shown by this plan, the project consists of the construction of an addition to the existing restaurant building, reconstruction of the existing parking area, and the addition of landscaped areas.

The proposed improvements will alter the existing drainage patterns very slightly. The points of discharge offsite will remain virtually unchanged. Basin "A" will drain into an existing centrally located existing inlet onsite. Basin "B" will continue to discharge into Arvada Avenue. Basin "C" will discharge directly into the existing storm inlet located at the southeast corner of the site via a new storm inlet and 10" storm drain installed onsite. Basin "D" will continue to discharge into the I-40 Frontage Road.

The calculations which appear hereon analyze both the existing and developed conditions for the 100-year, 6-hour rainfall event. The peak discharge of runoff has been calculated using the Rational Method while the SCS Method has been used to quantify the volume of runoff generated. Both Methods have been used in accordance with the City of Albuquerque Development Process Manual, Volume II, coupled with the Mayor's Emergency Rule adopted January 14, 1986. Due to an increase in the size of the landscaped areas, the calculations indicate a decrease in flow from the overall site of 0.5 cfs. Due to this fact, the proposed improvements should not create any negative impact on downstream conditions. Based on this fact and the fact that the proposed improvements only represent a modification to an existing site within an infill area, the free discharge from the site as outlined above is appropriate.



STORM INLET DETAIL SCALE : I" = I'

CALCULATIONS

Ground Cover Information

From SCS Bernalillo County Soil Survey, Plate 30: Hydrologic Soil Group: B (Glendale Series, Clay loam and loam) Existing Pervious CN = 85 (DPM Plate 22.2 C-2 Streets and Roads: Gravel Developed Pervious CN = 61 (DPM Plate 22.2 C-2 Open Space: Good condition

Time of Concentration/Time to Peak

 $T_C = 0.0078 L^{0.77}/S^{0.385}$ (Kirpich Equation) $T_D = T_C = 10 \text{ min.}$

Point Rainfall

 $P_6 = 2.2$ in. (DPM Plate 22.2 D-1)

Rational Method

Discharge: Q = CiA

where C varies

 $i = P_6 (6.84) T_C^{-0.51} = 4.65 in/hr$ $P_6 = 2.2$ in (DPM Plate 22.2D-1) $T_C = 10 \text{ min (minimum)}$ A = area, acres

SCS Method

Volume: V = 3630(DRO) A

Where DRO = Direct runoff in inches A = area, acres

Existing Condition

Basin "A" $A_{total} = 28,230 \text{ sf} = 0.65 Ac$ Roof area = 5,250 sf (0.19)Paved area = 22,980 sf (0.81)Landscaped area = -0- sf (-0-)C = 0.94 (Weighted average per Emergency Rule, 1/14/86) $Q_{100} = CiA = 0.94(4.65)(0.65) = 2.8 cfs$ $A_{imp} = 28,230$ sf; % impervious = 100% Composite CN = 98 (DPM Plate 22.2 C-2) DRO = 2.0 in (DPM Plate 22.2 C-4) $V_{100} = 3630 (DRO)A = 4,719 cf$

Basin "B" Atotal = 6,800 sf = 0.16 Ac Roof area = 235 sf (0.03) Paved area = 6,445 sf (0.95)Landscaped area = 120 sf (0.02)C = 0.94 (Weighted average per Emergency Rule, 1/14/86) $Q_{100} = CiA = 0.94(4.65)(0.16) = 0.7 cfs$ Aimp = 6,680 sf; % impervious = 98 % Composite CN = 97 (DPM Plate 22.2 C-2) DRO = 1.9 in (DPM Plate 22.2 C-4) $V_{100} = 3630 (DRO)A = 1,104 cf$

Basin "C"

 $A_{total} = 50,710 \text{ sf} = 1.16 Ac$ Roof area = 4,950 sf (0.10)Paved area = 45,160 sf (0.89)Landscaped area = 600 sf (0.01)C = 0.94 (Weighted average per Emergency Rule, 1/14/86) $Q_{100} = CiA = 0.94(4.65)(1.16) = 5.1 cfs$ Aimp = 50,110 sf; % impervious = 99 % Composite CN = 98 (DPM Plate 22.2 C-2) DRO = 2.0 in (DPM Plate 22.2 C-4)

Basin "D"

 $V_{100} = 3630 \text{ (DRO)A} = 8,422 \text{ cf}$

 $A_{total} = 8,750 \text{ sf} = 0.20 \text{ Ac}$ Undeveloped = 8,750 sf (1.00)C = 0.40 (Weighted average per Emergency Rule, 1/14/86) $Q_{100} = CiA = 0.40(4.65)(0.20) = 0.4 cfs$ $A_{imp} = -0-$ sf; % impervious = -0-% Composite CN = 85 (DPM Plate 22.2 C-2) DRO = 1.0 in (DPM Plate 22.2 C-4) $V_{100} = 3630 \text{ (DRO)A} = 726 \text{ cf}$

Developed Condition

Basin "A" $A_{total} = 28,230 \text{ sf} = 0.65 \text{ Ac}$ Roof area = 5,250 sf (0.19)Paved area = 19,500 sf (0.69)Landscaped area = 3,480 sf (0.12)C = 0.86 (Weighted average per Emergency Rule, 1/14/86) $Q_{100} = CiA = 0.86(4.65)(0.65) = 2.6 cfs$ $A_{imb} = 24,750 \text{ sf; } impervious = 88$ Composite CN = 94 (DPM Plate 22.2 C-2) DRO = 1.6 in (DPM Plate 22.2 C-4)

Basin "B"

Roof area = 230 sf (0.03)Paved area = 6,050 sf (0.89)Landscaped area = 520 sf (0.07)C = 0.89 (Weighted average per Emergency Rule, 1/14/86) $Q_{100} = CiA = 0.89(4.65)(0.16) = 0.7 cfs$ $A_{imp} = 6,280 \text{ sf}; % impervious = 92 %$

Composite CN = 95 (DPM Plate 22.2 C-2) DRO = 1.7 in (DPM Plate 22.2 C-4) $V_{100} = 3630 \text{ (DRO)} A = 987 \text{ cf}$

 $V_{100} = 3630 \text{ (DRO)A} = 6,316 \text{ cf}$

 $V_{100} = 3630 \text{ (DRO)A} = 3,775 \text{ cf}$

 $A_{total} = 6,800 \text{ sf} = 0.16 \text{ Ac}$

Basin "C"

 $A_{total} = 50,710 \text{ sf} = 1.16 \text{ Ac}$ Roof area = 7,460 sf (0.15)Paved area = 36,165 sf (0.71)Landscaped area = 7,085 sf (0.14)C = 0.84 (Weighted average per Emergency Rule, 1/14/86) $Q_{100} = CiA = 0.84(4.65)(1.16) = 4.5 cfs$ Aimp = 43,625 sf; % impervious = 86 % Composite CN = 93 (DPM Plate 22.2 C-2) DRO = 1.5 in (DPM Plate 22.2 C-4)

Basin "D" $A_{total} = 8,750 \text{ sf} = 0.20 \text{ Ac}$ Roof area = -0- sf (-0-)Paved area = 5,610 sf (0.64)Landscaped area = 3,140 sf (0.36)C = 0.70 (Weighted average per Emergency Rule, 1/14/86) $Q_{100} = CiA = 0.70(4.65)(0.20) = 0.7 cfs$ $A_{imp} = 5,610 \text{ sf}; % impervious = 64 %$ Composite CN = 85 (DPM Plate 22.2 C-2) DRO = 1.0 in (DPM Plate 22.2 C-4) $V_{100} = 3630 \text{ (DRO)A} = 726 \text{ cf}$

<u>Comparison</u>

Basin "A" $\Delta Q_{100} = 2.8 - 2.6 = 0.2 \text{ cfs (decrease)}$ $\Delta V_{100} = 4,719 - 3,775 = 944$ cf (decrease

Basin "B" $\Delta Q_{100} = 0.7 - 0.7 = 0$ (No change) $\Delta V_{100} = 1,104 - 987 = 117 \text{ cf (decrease)}$

Basin "C"

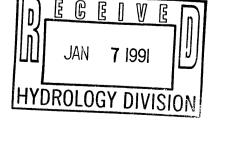
 $\Delta Q_{100} = 5.1 - 4.5 = 0.6 \text{ cfs (decrease)}$ $\Delta V_{100} = 8,422 - 6,316 = 2,106$ cf (decrease) Basin "D"

 $\Delta Q_{100} = 0.4 - 0.7 = 0.3 \text{ cfs (increase)}$ $\Delta V_{100} = 726 - 726 = 0$ (No change)

Total Site

 $\Delta Q_{100} = 9.0 - 8.5 = 0.5$ cfs (decrease) $\Delta V_{100} = 14,971 - 11,804 = 3,167 \text{ cf (decrease)}$







DRAINAGE PLAN, CALCULATIONS, DETAILS & SECTIONS FURR'S CAFETERIA NUMBER 164

NO. DATE BY REVISIONS 900962 DESIGNED BY __J.G.M._ 12-1990 DRAWN BY <u>S.G.H.</u> APPROVED BY <u>J.G.M.</u>