PLANS FOR SITE UPGRADES TO ROAD RUNNER LITTLE LEAGUE COMPLEX (HAHN PARK)

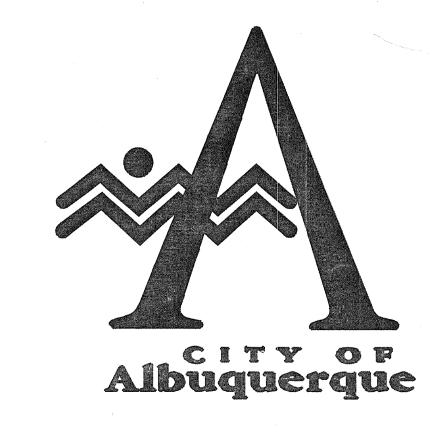
FOR INFORMATION ONLY

(CITY PROJECT NO. 5331.90)

SHEET REFERENCE

- COVER SHEET
- SITE UPGRADES DETAILS
- DRAINAGE PLAN

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMEN ENGINEERING GROUP Water/Wastewate City Engineer'



	Certificate of Occupancy Required?	Approval Required Prior to Issuer of Certificate of Occupancy:	City Agency Yes or No	ENVIRONMENTAL HEALTH	FIRE MARSHALL	HYDROLOGY	MECHANICAL	PLUMBING	ELECTRICAL	BOILER	ELEVATOR N∂	REFUSE	TRANSPORTATION DEVELOPMENT	UNIFORM BUILDING CODE	ZONING	Note: Final inspections are required on all permitter whether a certificate of occupancy is required or m	
(Application) No. $9601/47$	tion) Fee \$ 52	140+1m1	mit Fee \$			CITY ENGINEER	based on information furnished by Requestee	Date 1/35/9/6		d. eurb	sidewalk set to	property	ordance with Sidewalk Ordinance	Coulous of the		n Property Code:	1 ex periode

DIVISION

SAFET

BUILDING

A

NOTES GENERAL

authorized thereby is in progress.

City approved street and alley top of curb elevations shall be used when establishing lot grades at front and rear property lines. Should these approved elevations not be used, the City assumes no responsibility for loss of access to property or damage to property line walls upon construction of street and alley curb-gutter-paving.

Separate permits are required for plumbing, gas and electrical work. The issuance of this permit does not guarantee that the permit holder (owner) will receive a certificate of occupancy to occupy the building upon completion of construction. The permit holder has the duty to comply with all the requirements for a certificate of occupancy including, but not limited to, code requirements, water and sanitary sewer service, electrical service and natural gas service. The issuance of this building permit does not constitute a guarantee of water and sanitary sewer service. Such availability is determined by the (Utility Development) Div., Public Works Dept. Construction hydrant shall be placed at least 10 feet away from watermeter.

Separate sign, wall and fence permits are required.

Separate sign, wall and fence permits are required.

For foundation only permits additional plans must be submitted for approval before plumbing or electrical work is started in building slab. Include Uniform Building Code construction type on submittal.

10.

All labeled doors to have labeled frames and closers UBC Sec. 4306(c).

Door glazing to comply with Federal Standard 16 CFR-1201. Fixed panel glazing to comply Chapter 54, UBC.

Suspended Ceiling Framing Systems to Comply with Table 23-P.

All openings & fixtures in rated ceilings to be protected per UBC or approved tests.

Where walls require protected openings, pipe penetrations and electrical outlet box installs shall comply with UBC Sec. 4304(e).

Regardless of the occupant load, there shall be a floor or landing on each side of a door. Sec. 3304(j).

UNIFORM PLUMBING, MECHANICAL, ELECTRICAL CODES:
Water heaters, heating and cooling equipment generating a glow or flame capable of ig flammable vapors may be installed in a residential garage, provided the pilots and burn heating elements and switches are at least eighteen (18) inches above the floor level.

Materials exposed within circulating air ducts in other than dwelling units shall have a flame rating of not more than 25 and a smoke developed rating of not more than 50.

Provide ground fault protection on all bathroom, garage, kitchen (some) and exterior elements.

not locate building under power line.

NATER WASTEORDINAANCE

Indecement shall conform to Section 680-8 NEC and Section 351-C-1 NESC.

Initary facilities must be provided on each construction job.

WATER WASTEORDINAANCE

Indecember in the public right-of-way or adjacent property. This is required by the City of buquerque Water Waste Ordinance (Chapter 8, Article XVI, R.O. 1974).

ENVIRONMENTAL HEALTH

I remodels for all food service establishments, swimming pools, and other projects related to invironmental Health, at 764-1693 to determine if project is related to Environmental Health.

In demolition of structures in excess of 75,000 cubic feet shall be obtained from twironmental Health.

FIRE

Software the properties of the buildings are required to have a final inspection by the Fire Marshal's Office before a certificate of occupa. The spection by the Fire Marshal's Office before a certificate of occupa. The building(s) or spece(s) shall be complete and ready to occupy.

2. Conditions, surrounding and arrangements to be in accordance with the Fire Prevention code requisitions adopted by City ordinance.

3. All items listed below shall be installed in accordance with applicable fire codes prior to a building (or portion of a building) being occupied. In addition, an approved adequate water supply shall be provided before any combustible materials are delivered to the building site and all required fire hydrants shall be installed and operable before any building (or portion of the building) is occupied.

NAME OF BUSINESS OFFICE AGENCY OFFICE EXISTING ADDITION DELICE CONSTRUCTION TYPE OFFICE OFFICE ATTACK PAGE | F-2|

- NN 31 CF 1831 CF

PLANS DISAPPROVED
PLANS APPROVED
PLANS APPROVED
(INDICATE

(INDICA

DATE 2-1-96
DATE 7.20.96

(INDICATE CONSTRUCTION ORDINANCE SECTION REFERENCE)

soel. MRPAKIDEGUIN

have battery backup.

(2) Fire Sypression System of the New Age of the System of the System of the Shall shot of the Mill for the System of the Mill for the Shall supplies the Shall suppl

REFUSE ZONING

se (Park Dedication and Development Ordinance ter 7, Sections 3A. and 3B., CR 461611-721300) should be contacted at least (30) days

Proposed construction complies with Albuquerque Compreher and the Albuquerque Municipal Refuse Collection Ordinance

PLANS DISAPROVED THE PLANS APPROVED

War Chycolod (INDICATE CONSTRUCTION

DEVELOPMENT 3. TRANSPORTATION

CODE BUILDING UNIFORM

r has been is Code. s shall bear Notes:

1. Premises shall not be occupied in accordance with Sec. 308,

2. All windows and doors required identification indicating the Building Code. Description of Work
Size of Bldg. (total) Sq. Ht
Type of Construction 2 Chairth on this ca PLANS DISAPPROVE 5. Chairt Octive

Advise Drainage inspector when grading is executed. Any deletions or modifications to approved drainage plans prior approval from City Hydrology prior to final inspection OGY HYDROL N :

PLAKS DISAPPROVED PLAKS APPROVED

procedures for drainage submittals outline 2 of the City's Development Process Manual Follow volume Attach

of the "Private Storm Drain at to the Building Plans. Attach signed copies Right-of-May" docume

The improvements must be in compliance with city ordinance 99-1981. The flood plain elevation is The finish floor elevation shall be Separate Certification shall be required by the City Engineer prior to final inspection (call 766-7644).

APPROVED: (Mack 1.30.90 DISAPP NOTE: Separate certification form may be obt Engineer's office upon request.

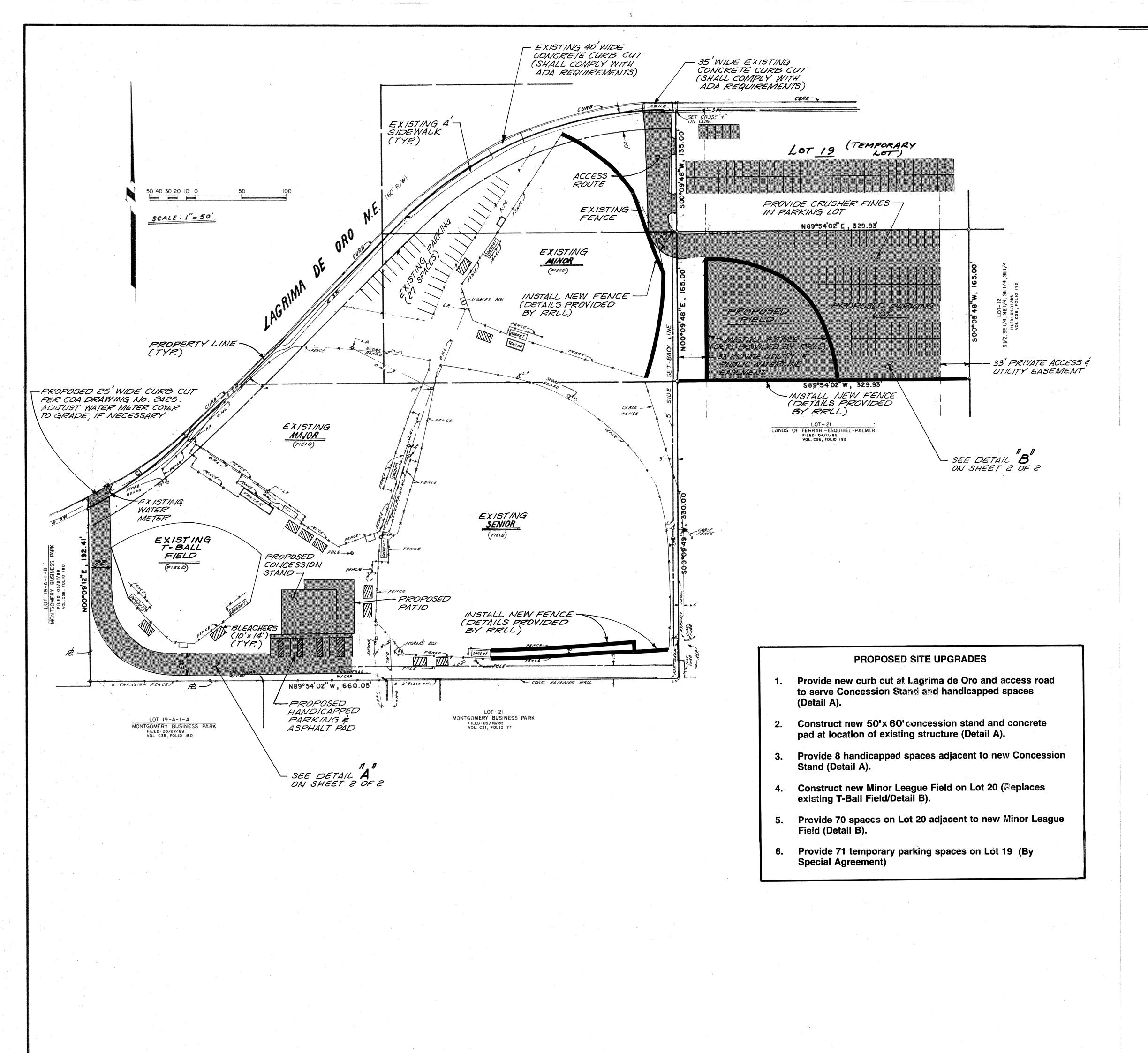
HEALTI SSS- 784-160 ENVIRONMENTAL 4

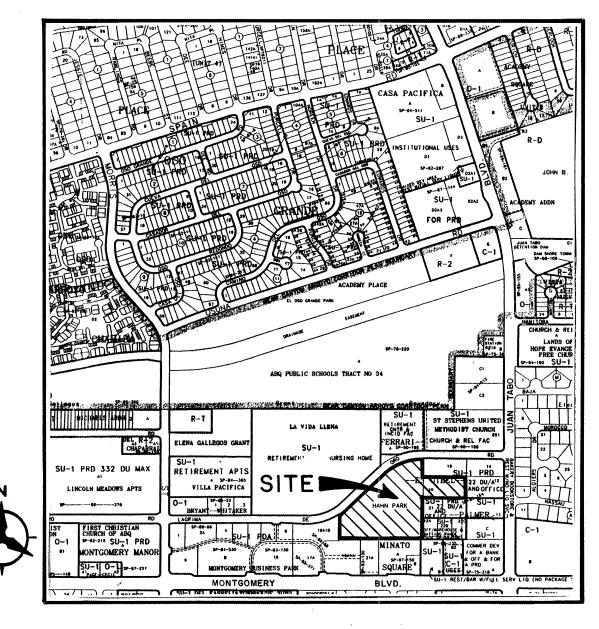
DATE Control dust and debris during Top soil disturbance permit:

Top soil permit issued by Hoise Undinance is applicable. DISAPROVED PLANS PLANS

NEC Q Q Q Q UPC, heater 2 feet 3 h room.

DATE DATE REQUIR





LOCATION MAP

NOT TO SCALE ZONE ATLAS F-21-Z

NOTES

- Legal Description: A certain tract of land within the SE 1/4 of Section 33, Township 11 North, Range 4 East Containing 8.21 acres.
- 2. Zoning of Park: R-1
- 3. Drivepad Construction: The new drivepad on Lagrima de Oro shall be constructed in compliance with City of Albuquerque Drawing No. 2425.

. Parking Available:

- On-street (south side of Lagrima de Oro)

 Existing Lot adjacent to Minor League Field

 New Minor League Field (Lot 20)

 Lot 19 (By Special Agreement)

 30

 27

 70

 71
- 6. All work detailed on these plans to be performed under contract shall, except as otherwise stated or provided for hereon, be constructed in accordance with the City of Albuquerque Standard Specifications for Public Works Construction, 1986 Edition, with current updates.
- Any disruption or damage to existing public infrastructure during construction shall be replaced in accordance with City Specifications.

FOR INFORMATION ONLY

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SITE UPGRADES FOR ROADRUNNER LITTLE LEAGUE

CITY OF ALBUQUERQUE JOB NO. 5331.90

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ENGINE	ERSASTAMP	&_SIGNATURE	APPROVA	LS	ENGINEER	DATE	47	****	<u> </u>
		PL	DRC Chair	man	$\alpha \sim 10$		APF	PROVED FOR CONSTR	UCTION
0 200	NE VA		Transport	ation	Kersler	2-26.96		* *** *** *** *** *** *** *** *** ***	
	AN NEWS		Water/Was	tewater	R.W. Kame	3-4-90			

DRC Chairman

Transportation

Water/Wastewater

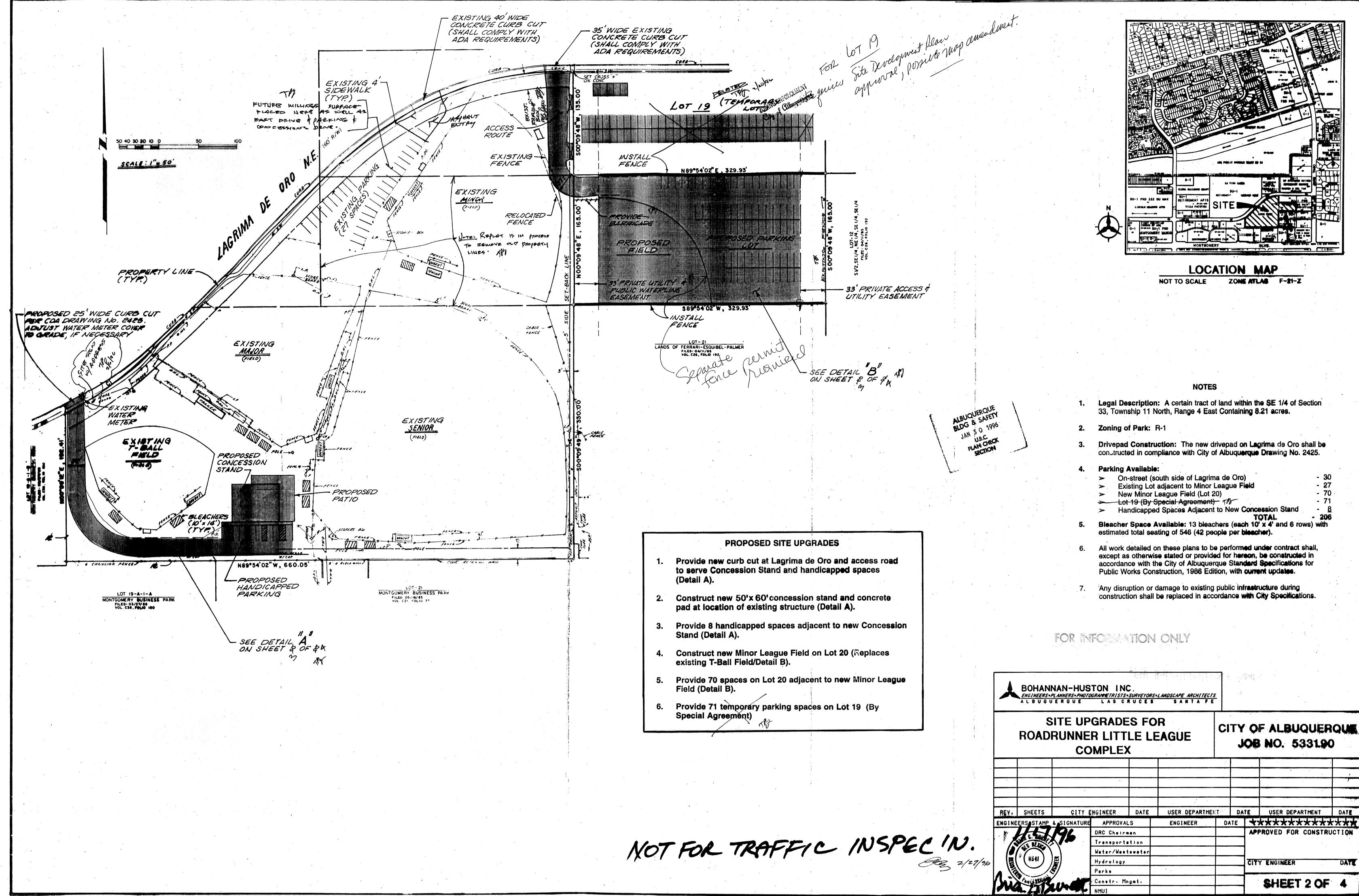
Hydrology

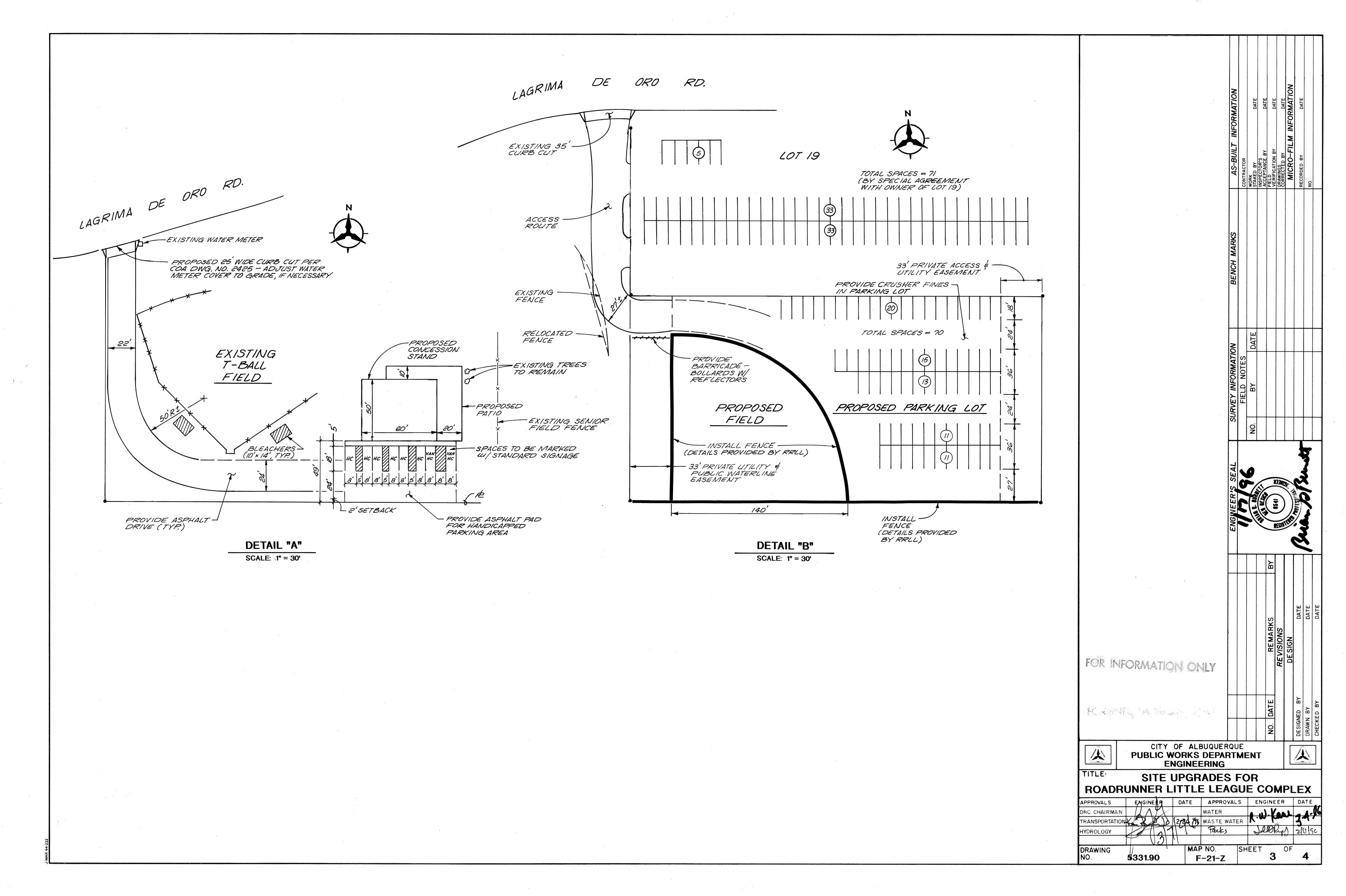
Parks

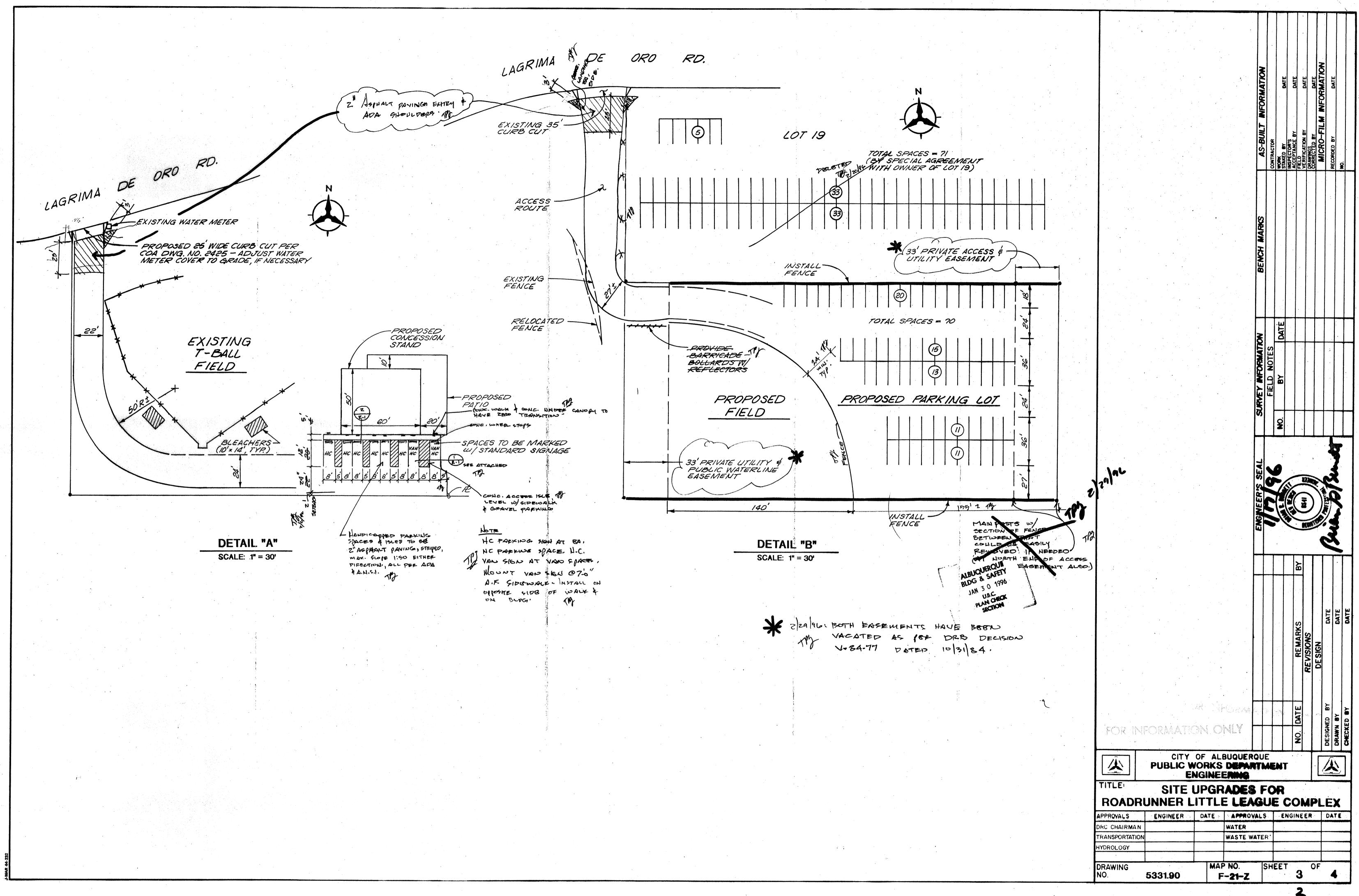
Constr. Mngmt.

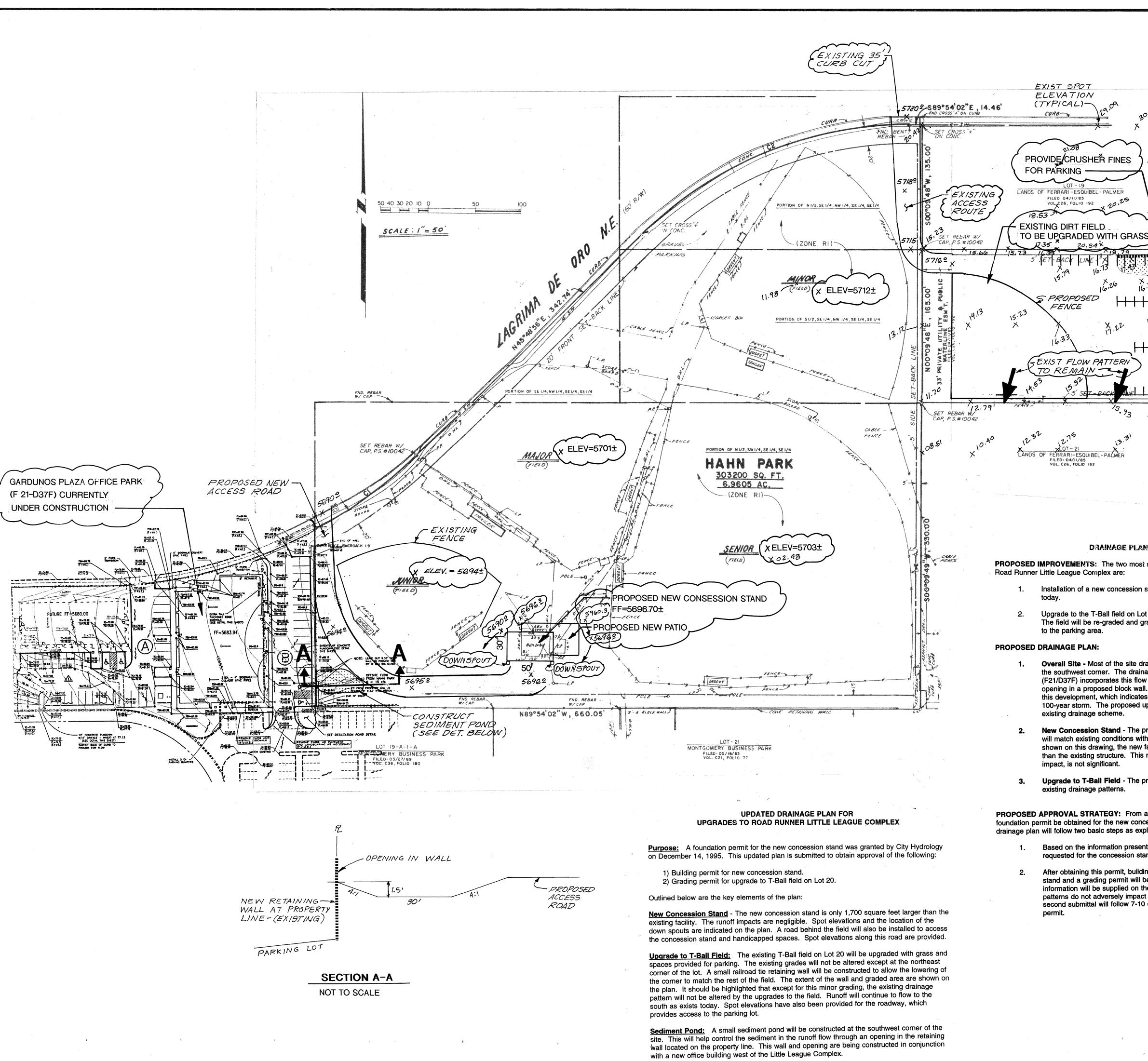
SHEET 2 OF 4

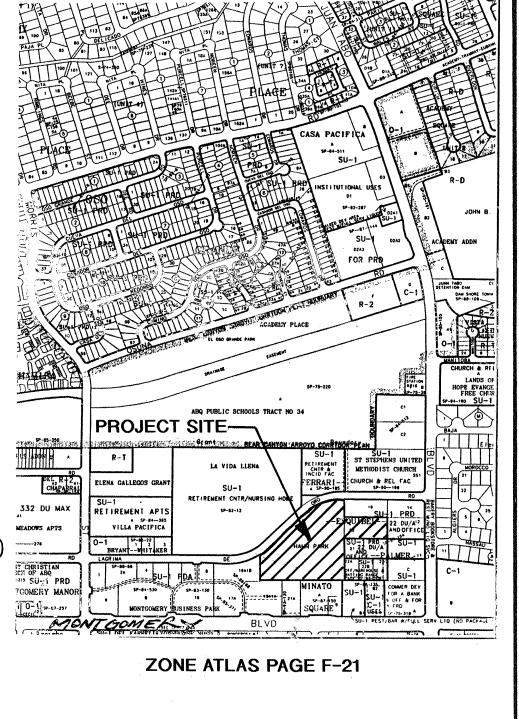
CITY ENGINEER

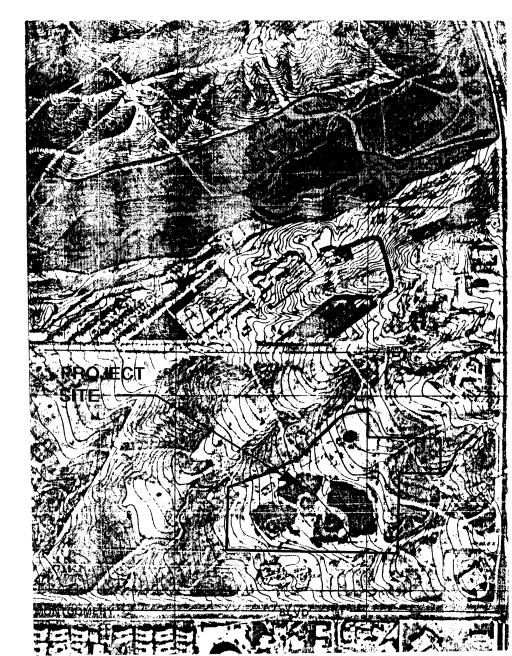












FLOOD INSURANCE MAP 18/50

DRAINAGE PLAN COMPONENTS

Road Runner Little League Complex are:

- 1. Installation of a new concession stand at the same location where one exists
- Upgrade to the T-Ball field on Lot 20. An existing dirt field and lot exist today. The field will be re-graded and grass installed and crusher fines will be added to the parking area.

TIE RETAINING

HEIGHT VARIES

PROPOSED DRAINAGE PLAN:

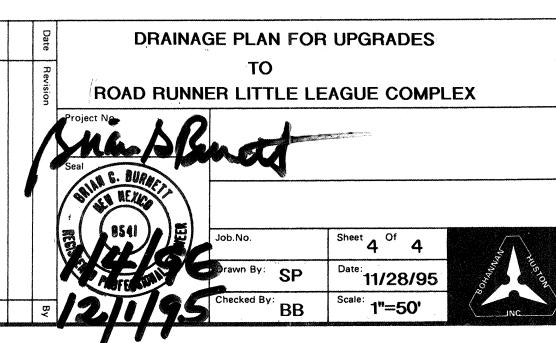
FENCE

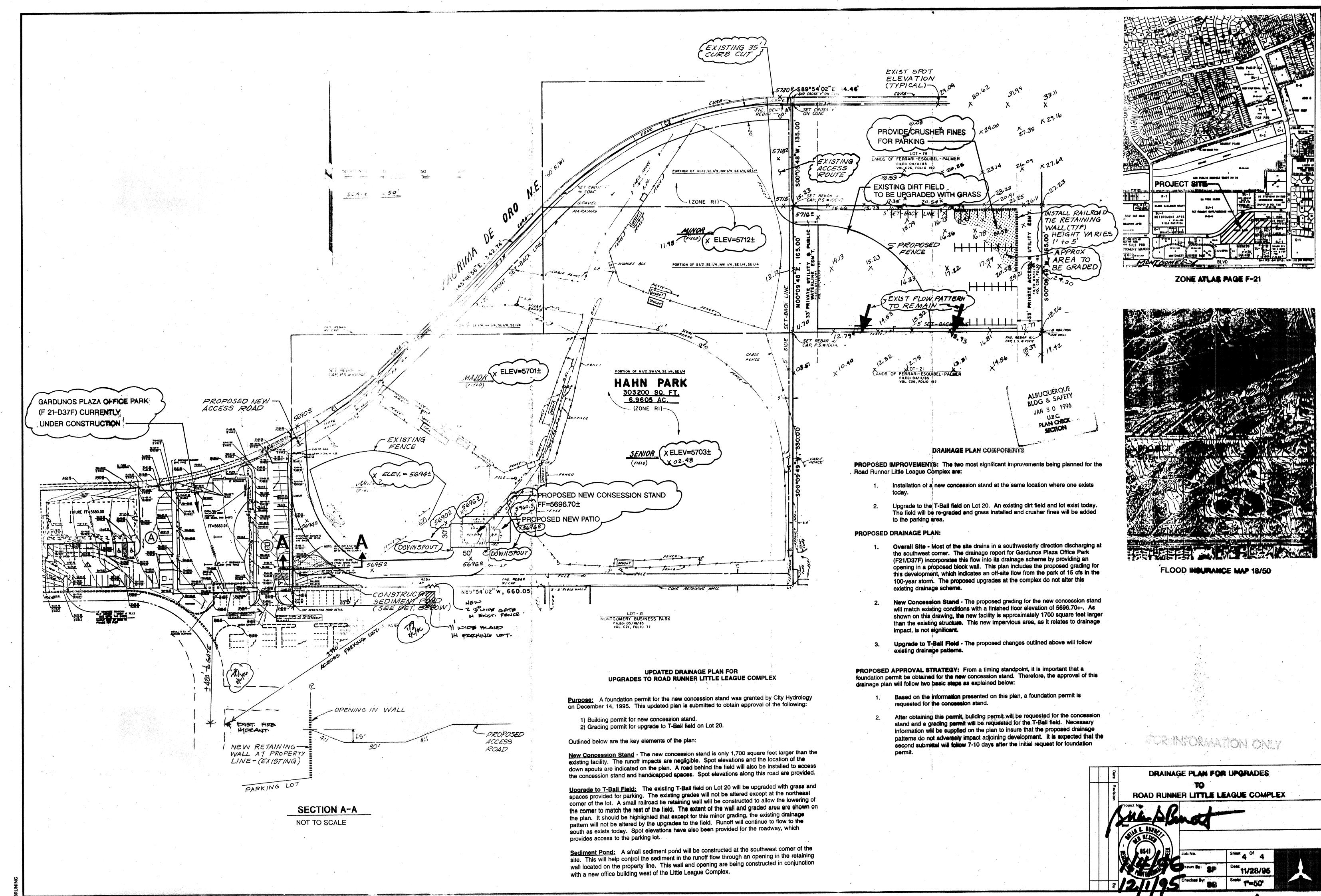
- 1. Overall Site Most of the site drains in a southwesterly direction discharging at the southwest corner. The drainage report for Gardunos Plaza Office Park (F21/D37F) incorporates this flow into its drainage scheme by providing an opening in a proposed block wall. This plan includes the proposed grading for this development, which indicates an off-site flow from the park of 15 cfs in the 100-year storm. The proposed upgrades at the complex do not alter this existing drainage scheme.
- New Concession Stand The proposed grading for the new concession stand will match existing conditions with a finished floor elevation of 5696.70+-. As shown on this drawing, the new facility is approximately 1700 square feet larger than the existing structure. This new impervious area, as it relates to drainage impact, is not significant.
- Upgrade to T-Ball Field The proposed changes outlined above will follow existing drainage patterns.

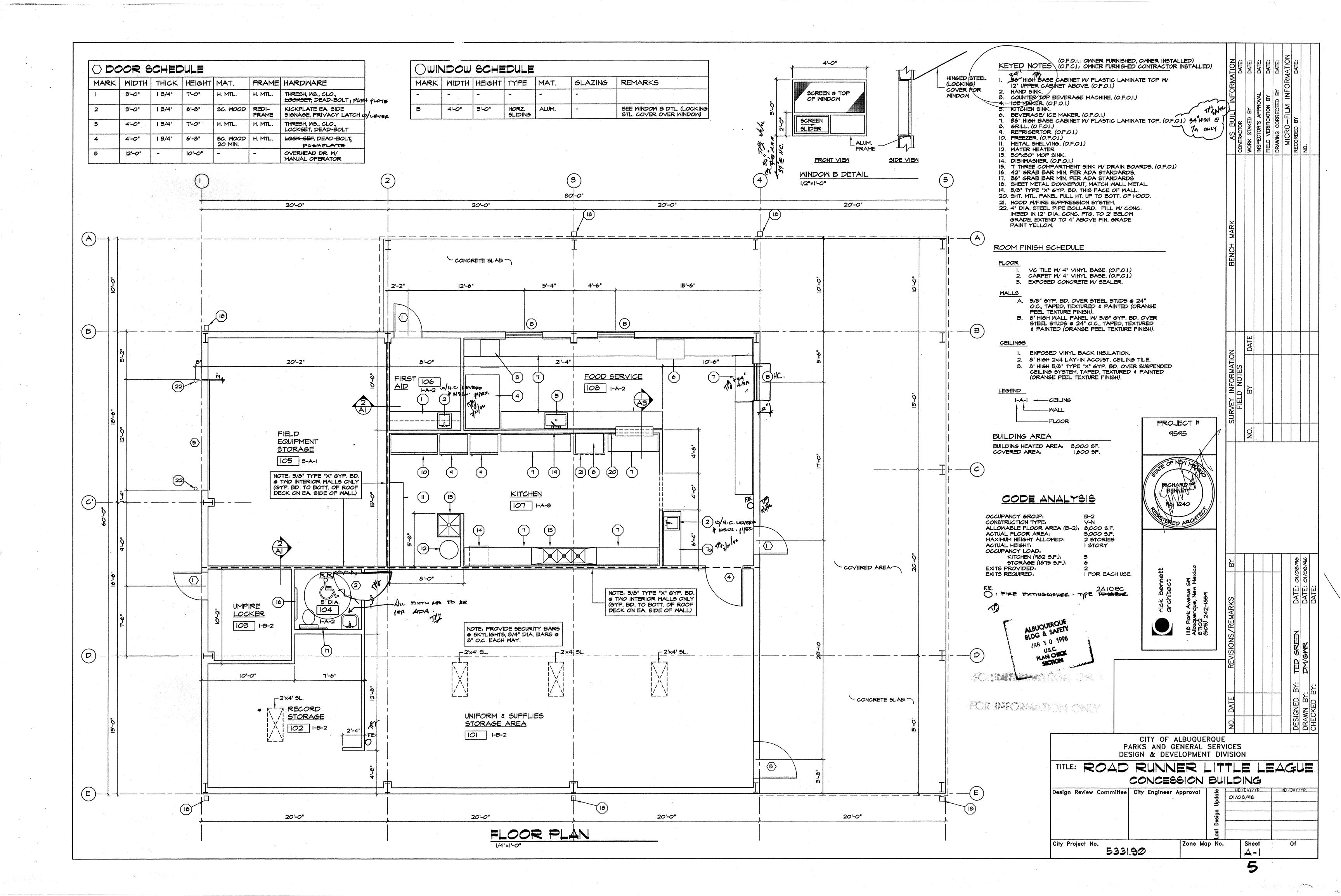
PROPOSED APPROVAL STRATEGY: From a timing standpoint, it is important that a foundation permit be obtained for the new concession stand. Therefore, the approval of this drainage plan will follow two basic steps as explained below:

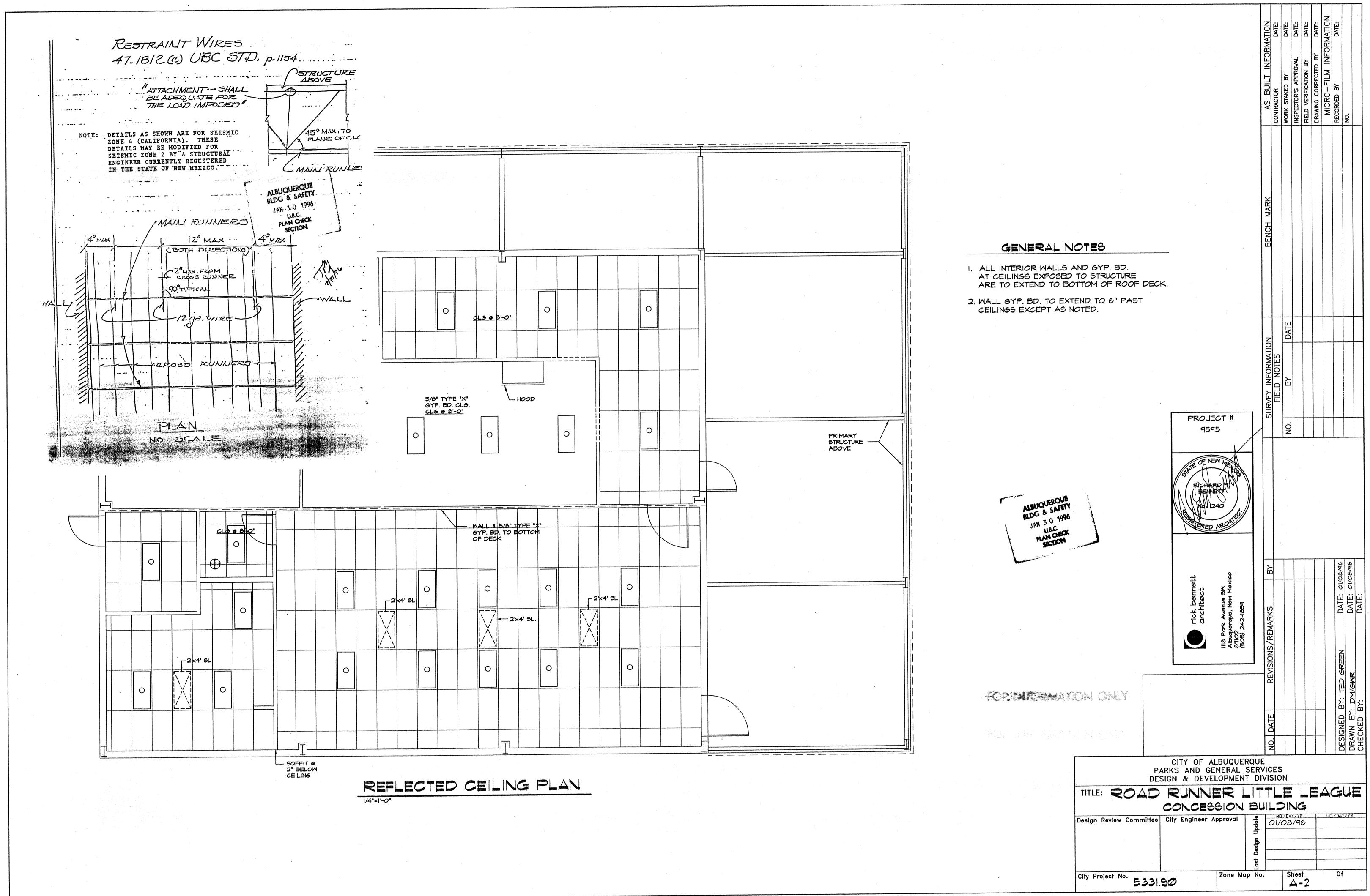
- Based on the information presented on this plan, a foundation permit is requested for the concession stand.
- After obtaining this permit, building permit will be requested for the concession stand and a grading permit will be requested for the T-Ball field. Necessary information will be supplied on the plan to insure that the proposed drainage patterns do not adversely impact adjoining development. It is expected that the second submittal will follow 7-10 days after the initial request for foundation

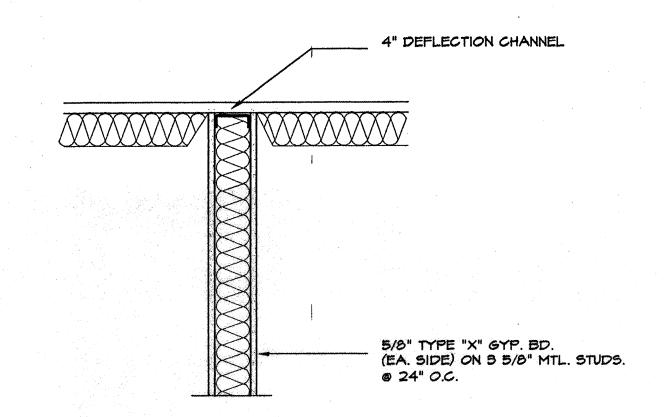




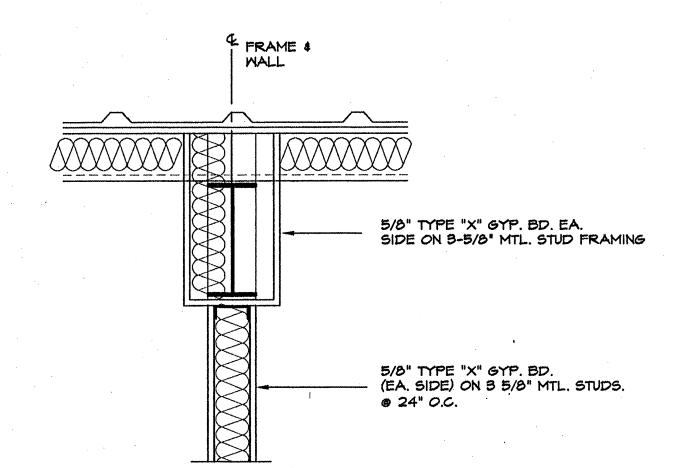






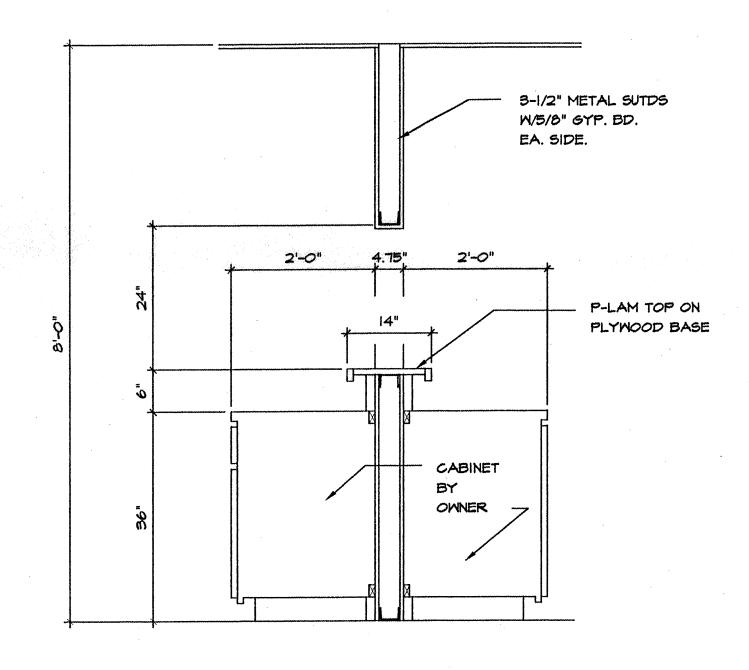


I HR. WALL PARALLEL TO PURLINS



1 HOUR WALL DETAIL

I HR. WALL @ FRAME



PASS-THRU DETAIL
A3 5/4"=1'-0"

ALBUQUERQUE BLDG & SAFETY JAN 3 0 1996 UB.C. PLAN CHECK SECTION

FOR HATCHMARKS COME

FOR INFORMATION ONLY

PROJECT # 9595	SURVEY	FIE	NO.					•
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rick bennett architect architect III8 Park Avenue SW Albuquerque, New Mexico 87102 (505) 242-1859	REVISIONS/REMARKS					REEN DATE: 01/08/96		DATE:
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CITY OF ALBUQUERQUE
PARKS AND GENERAL SERVICES
DESIGN & DEVELOPMENT DIVISION

TITLE: ROAD RUNNER LITTLE LEAGUE

CONSESSION BUILDING

Design Review Committee City Engineer Approval | Section | Sheet | Of |

City Project No. | Sheet | Of | A-3 | Of |

Solution | Sheet | Of | A-3 | Of |

Solution | Sheet | Of | A-3 | Of |

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7

ANSI/ADA ACCESSIBILITY GUIDLINES

HC REQUIREMENTS TO BE FOLLOWED

4.20.3.2 Clear Floor Space. Clear floor space shall comply with 4.2.4. Clear floor space, 30 in by 48 in(760 mm by 1220 mm) minimum, shall be provided in front of a lavatory or sink to allow a forward approach and shall extend 19 in(485 mm) maximum under the lavatory or sink. See Fig. B4.20.3.2. 4.5 Ground and Floor Surfaces 4.5.1+ General. Ground and floor surfaces of accessible routes and in accessible rooms and spaces, shall be stable, firm, and slip resistant, and shall comply with 4.5. 4.5.3. Carpet. Carpet or carpet tile used on a ground or floor surface shall be securely attached and shall have a firm cushion, pad, or backing or no cushion or pad. Carpet or carpet tile shall have

a level loop, textured loop, level cut pile, or level cut/uncut pile texture. Pile height shall be 1/2in (13

mm) maximum. Exposed edges of carpet shall be fastened to floor surfaces and shall have trim along

the entire length of the exposed edge. Carpet edge trim shall comply with 4.5.2.

4.13 Doors
4.13.6.1 Front approaches to pull side of swinging doors shall have maneuvering space that extends 18 in(455 mm) minimum beyond the latch side of the door and 80 in(1525 mm) minimum perpendic—

4.13.9* Door Hardware. Handles, pulls, latches,

locks, and other operable parts on accessible doors shall have a shape that is easy to grasp with

one hand and does not require tight grasping, tight pinching, or twisting of the wrist to operate. Such hardware shall be mounted within reach ranges

specified in 4.2. When sliding doors are in the fully open position, operating hardware shall be exposed and usable from both sides.

4.13.10* Door Closures. Door closures shall be ad-

4.13.11* Door-Opening Force. Fire doors shall have the minimum opening force allowable by the appropriate administrative authority. The required

4.20.1 General. Accessible lavatory fixtures, sinks, vanities, and built—in lavatories shall comply with 4.20.

4.20.2.1* Lavatories. Lavatories shall be mounted with the rim 34 in(865 mm) maximum above the floor and with a clearance of 29 in(735 mm) minimum from the floor to the bottom of the front edge.

4.20.2.2 Sinks. Sinks shall be mounted with the

4.20.3.1 Knee and Toe Clearances. Fixtures shall extend 17 in(430 mm) minimum from the wall. Clear knee space shall be provided in accordance with 4.2.4.3 Clearance between the bottom of the

front edge of the apron and the floor shall be 29 in (735 mm) minimum. The clear knee space shall be 8 in(205 mm) in depth minimum at 27 in(685 mm) minimum above the floor or ground and 11 in(280

mm) in depth minimum at 9 in(230 mm) minimum above the floor or ground. Clear toe space shall be provided in accordance with 4.2.4.3. The dip of the overflow shall be ignored when checking the clear—ances. See Fig. B4.20.3.1.

counter or rim 34 in(865 mm) maximum above the floor. Sinks shall be 6 1/2 in(165 mm) deep maximum. Sinks in kitchens of accessible dwelling units

4.20 Lavatories and Sinks

shall comply with 4.33.4.5.

4.20.2 Height

ular to the doorway. See Fig. B4.13.6(a).

4.20.4+ Exposed Pipes and Surfaces. Water supply and drain pipes under lavatories or sinks shall be insulated or otherwise configured to protect agains contact. See Fig. B4.20.3.1. There shall be no sharp or abrasive surfaces under lava-

4.20.5* Faucets. Faucets shall comply with 4.25.4. Self-closing faucets, when used, shall remain open for 10 seconds minimum. 4.16 Toilet, Bath, Dressing and Shower Rooms and Bathing Facilities

4.16.1 General. Accessible tollet rooms, bath—rooms, bathing facilities, dressing rooms and shower rooms shall comply with 4.16. 4.16.2+ Doors. All doors to accessible toilet rooms, bathrooms, bathing facilities, and shower rooms shall comply with 4.13. Doors shall not swing into the clear floor space rquired for any fixture unless the tollet or bathroom is for individual use only or a

clear floor space complying with 4.2.4.1 is provided beyond the arc of the door swing within the 4.16.3* Clear Floor Space. Accessible fixtures and operable parts shall comply with 4.17 through 4.22. An unobstructed turning space complying with 4.2.3 and 4.2.4.1 shall be provided within an

justed so that from an open position of 90 degrees, the time required to move the door to an open position of 12 degrees will be 5 seconds minimum. accessible room. The clear floor spaces at fixtures and operable parts, the accessible route and the turning space shall be permitted to overlap. appropriate administrative authority. The required force for pushing open or pulling open doors other than fire doors shall be as follows:

— interior hinged door: 5.0 lb(22.2 N) maximum

— sliding/folding door: 5.0 lb(22.2 N) maximum

These forces do not apply to the force required to retract latch botts or disengage other devices that hold the door in a closed position.

4.16.4 Operable Parts and Dispensers. Accessible operable parts, dispensers, receptacles, or other equipment shall comply with 4.25. ries or sinks, shall have the bottom edge of the reflecting surface 38 in(965 mm) maximum above the floor. See Fig. B4.20.3.1. Full length mirrors used in conjunction with wheelchair accessible dressing rooms shall be 18 in(455 mm) wide minimum and shall be mounted with the bottom edge mum and shall be mounted with the bottom edge
18 in(455 mm) high maximum above the floor and
the top edge 72 in(1830 mm) high minimum.
Mirrors shall be located in a position affording a
view to a person seated on a bench or a wheel—

chair, as well as to a person in a standing position. 4.12 Windows* Windows that are required to be operable by occupants in accessible spaces shall have locks, cranks and other window hardware that comply

4.25 Operable Parts of Equipment and

4.25.1+ General. Operable parts of equipment and appliances in accessible spaces, along accessible routes, or as part of accessible elements shall comply with 4.25. 4.25.3* Height. Operable parts of equipment and appliances shall be placed within one or more of the reach ranges specified in 4.2.5 and 4.2.6.

tem receptacles on walls shall be mounted 15 in(380 mm) minimum above the floor unless the use of special equipment requires location

4.25.4 Operation. Operable parts of equipment and appliances shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 lb(22.2 N) maximum.

4.31 Seating, Tables, Work Surfaces, and Service Counters 4.31.3 Knee Clearances. Accessible seating for people in wheelchairs at tables, service counters, and work surfaces shall have knee spaces 27 in (685 mm) high minimum, 30 in(760 mm) wide minimum, and 19 in(485 mm) deep minimum. See Fig. B4.31.2.

4.31.4+ Height of Work Surfaces and Service Counters. The tops of accessible portions of ta-bles, service counters, tray slides and work sur-faces shall be from 28 in to 34 in(710 mm to 865 mm) from the floor or ground.

4.31.5 Checkout Counters. Checkout counter surfaces shall be 38 in(965 mm) maximum above the finished floor. The top of the counter edge protection shall be 40 in(1015 mm) maximum above

4.28.8* Symbols of Accessibility. 4.28.8.1 Inernational Symbol of Accessibility.
Where the international symbol of accessibility is required, it shall be proportioned and displayed as

shown in Fig. 4.28.8.1. 4.17 Water Closets

4.17.1 General. Accessible water closets shall comply with 4.17. Water closets shall be mounted adjacent to a side wall or partition. The distance from the side wall or partition to the centerline of the water closet shall be 18 in(455 mm). Water closets in dwellind units shall comply with 4.33.3.2.

4.17.2* Clear Floor Space. Clear floor space for water closets not in stalls shall be 48 in(1220 mm) minimum in front of the water closet and 42 in (1065 mm) from the center line of the water closet on the side not adjacent to the wall. See Fig.

4.17.3* Height. The top of water closet seats shall be 17 in to 19 in(430 mm to 485 mm) above the floor. Seats shall not be sprung to return to a lifted position. See Fig. B4.17.3. 4.17.4* Grab Bars. Grab bars for water closets shall comply with 4.24. Grab bars shall be provided on the rear wall and on the side wall closest to the

4.17.4.1 Side well grab bar shall be 42 in(1065 mm) long minimum, located 12 in(305 mm) maximum from the rear wall and extending 54 in(1370 4.17.4.2 The rear wall grab bar shall be 24 in(610

mm) long minimum, centered on the water closet. Where space permits, the bar shall be 36 in(915 mm) long minimum, with the additional length pro-4.17.5* Flush Controls. Flush controls shall be hand operated or automatic and shall comply with 4.25.4. Hand operated controls for flushometers shall be mounted 44 in(1120 mm) maximum above the floor on the wide side of the toilet stall.

4.17.6 Dispensers. Tollet paper dispensers shall comply with 4.25.4 and shall be installed between 7 in and 9 in(180 mm and 230 mm) in front of the water closet. The outlet of the dispenser shall be located between 15 in and 48 in(380 mm and 1220 mm). 1 1/2 in(38 mm) minimum below and 12 in(305 mm) minimum above the grab bar. Dispensers shall not be of a type that control delivery, or that

do not allow continuous paper flow. 4.15 Drinking Fountains and Water Coolers 4.15.1* General. When fixed, accessible drinking

fountains and water coolers shall comply with 4.4 4.15.2 Spouts.

4.15.2.1* Height. Spout outlets shall be 36 in (915 mm) maximum above the floor. See Fig. B4.15.2.1. 4.15.2.2* Location. Spouts of drinking fountains and water coolers arranged for parallel approach shall be located 3 in (75 mm) maximum from the front edge. Spouts of cantilevered drinking fountains and water coolers with knee and toe clearences, shall be located 15 in (380 mm) minimum from the verticle support

4.15.2.3 Flow. Spouts shall provide a flow of water 4 in (100 mm) high minimum so as to allow the insertion of a cup or glass under the flow of water.
measured horizontally, relative to the front face of the
unit, the angle of the water stream from spouts located
within 3 in (75 mm) of the front of the unit shall be 30 degrees maximum and spouts located between 3 in (75 mm and 125 mm) from the front shall be 15 degrees maximum. See Fig. B4.15.2.3.

4.15.3 Operable Parts. Operable parts shall be located at or near the front edge of the fountain or water cooler and shall comply with 4.25.4.

KEYED HO RR ACCESSORY SCHEDULE

A SEMI-RECESSED MOUNTED PAPER - BOBRICK B-38032 W/ ADD C-FOLD TOWEL DISPENSER AND WASTE RECEPTACLE

B SURFACE MOUNTED SOAP DISPENSER - BOBRICK B-III

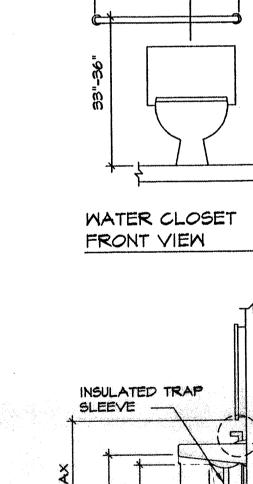
C SURFACE MOUNTED ROLL TOILET TISSUE DISPENSER (2 ROLL WITH-OUT CON-- BOBRICK B-288

TROLLED DELIVERY) - BOBRICK B-6206 x 36" CONCEALED MOUNTING D REAR GRAB BAR - 36" LONG - BOBRICK B-6206 x 48" CONCEALED MOUNTING E SIDE GRAB BAR - 42" LONG

F 24" x 32" MIRROR - 292 WITH SHELF

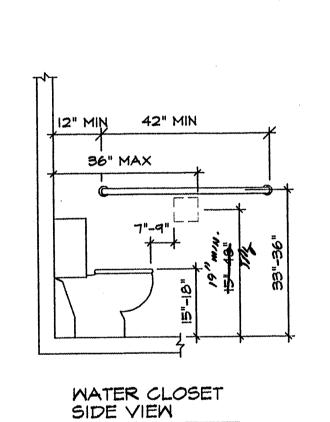
GENERAL NOTES

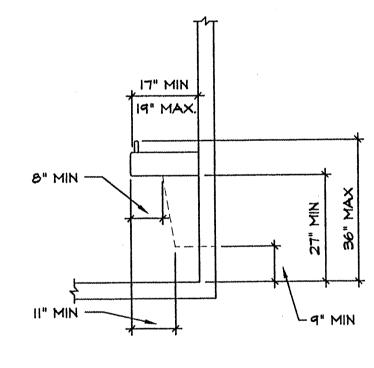
- PROVIDE SOLID BLOCKING IN WALLS FOR ALL GRAB BARS, WALL HUNG PLUMBING FIXTURES, MIRRORS AND OTHER WALL-ATTACHED ITEMS.
- 2. ALL LAVATORIES TO BE WALL-HUNG UNITS.
- 3. ALL WATER CLOSETS TO BE FLOOR-MOUNTED.
- DIMENSIONS SHOWN, AND CALLED OUT ARE TO "FINISH FACE" TO "FINISH FACE" OF RESTROOM FIXTURES/EQUIPMENT.

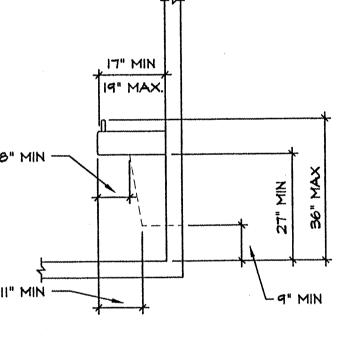


LAVATORY

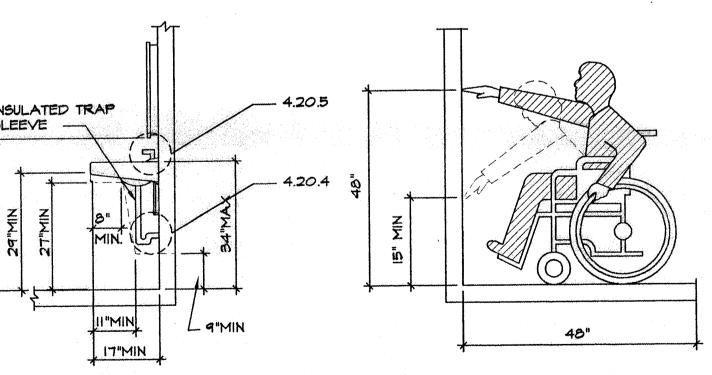
36" MIN.



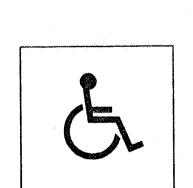


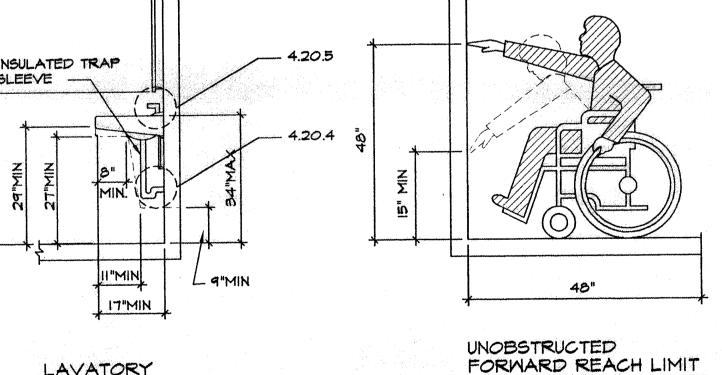


DRINKING FOUNTAIN









DISPLAY CONDITIONS
INTERNATIONAL SYMBOL OF ACCESSIBILITY

TYP. H.C. FIXTURE & GRAB BAR DETAILS NOTE: ALL DIMENSION ARE TO FINISH FACE OF WALL. REFER TO SHEETS MI.1 & MI.2 FOR SPECIFIED

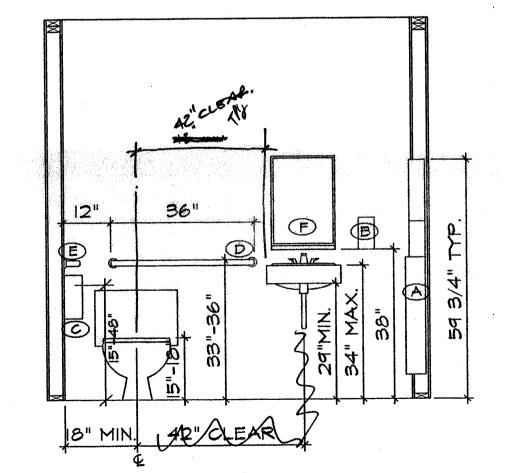
FIXTURE MODEL NO'S.

TE OF NEW ME BLDG & SAFETY JAN 3 0 1996 U.B.C. PLAN CHECK SECTION FOR INFORMATION ONL CITY OF ALBUQUERQUE PARKS AND GENERAL SERVICES
DESIGN & DEVELOPMENT DIVISION ROAD RUNNER LITTLE LEAGUE CONCESSION BUILDING Design Review Committee City Engineer Approval 01/08/96

City Project No.

5331.90

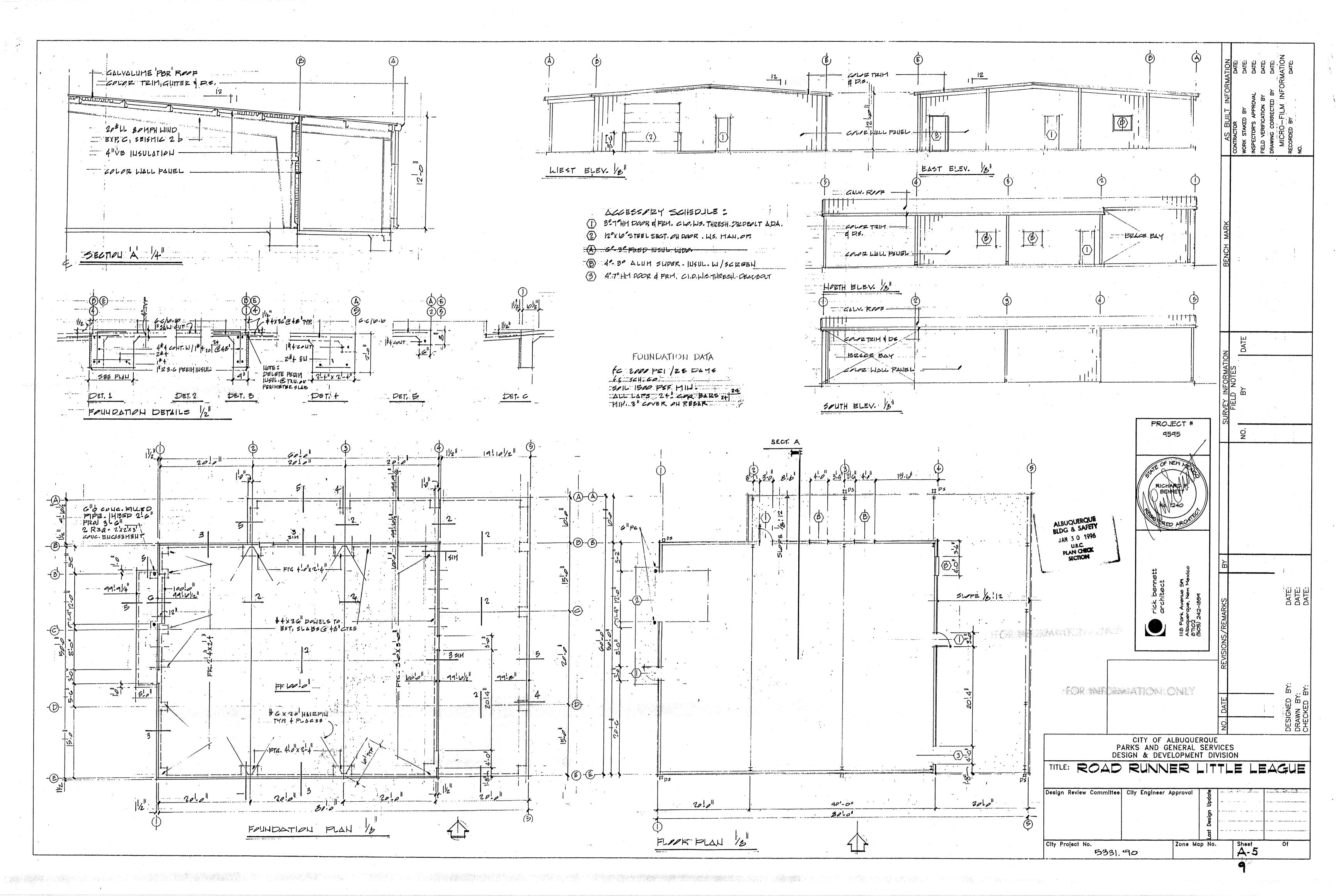
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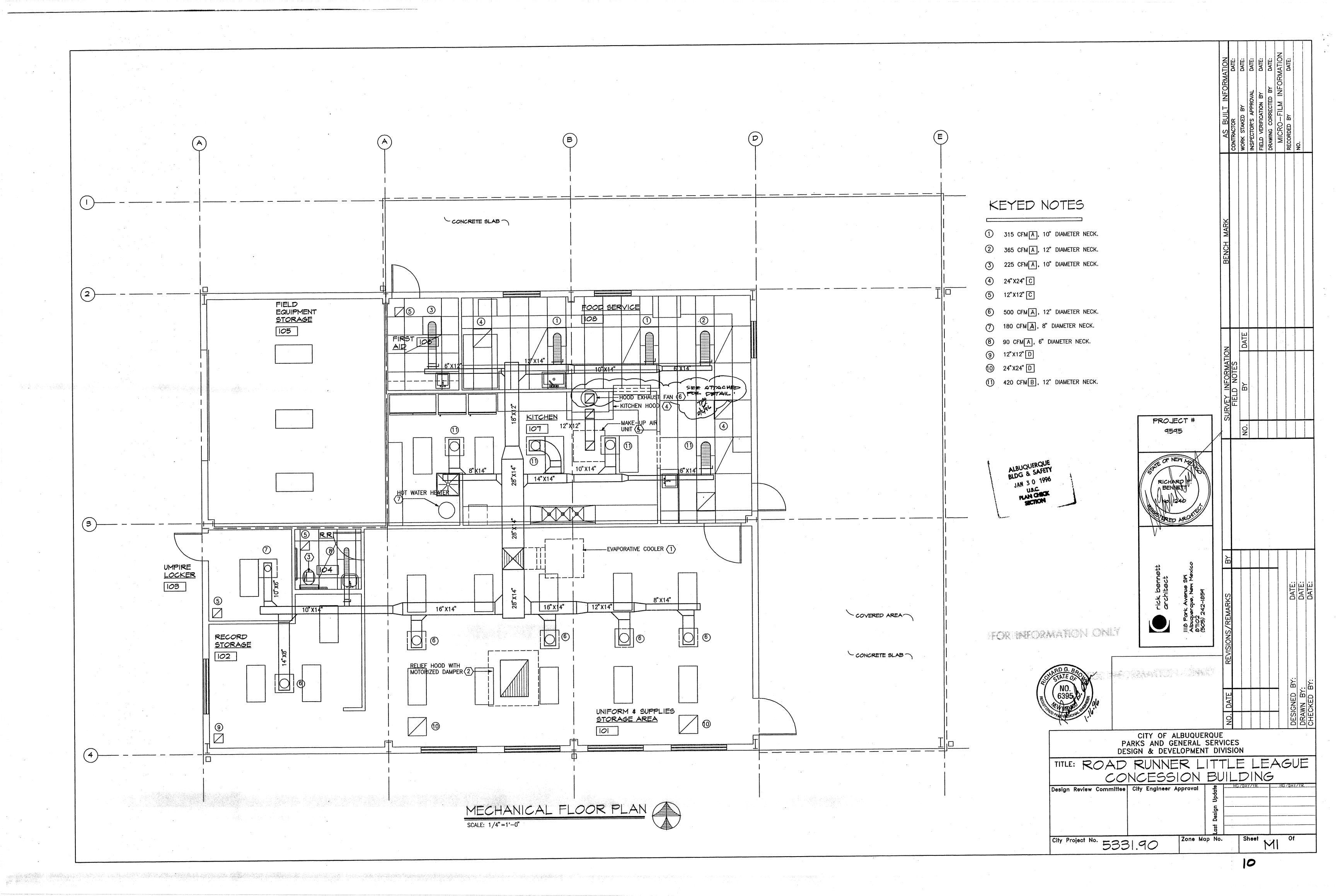


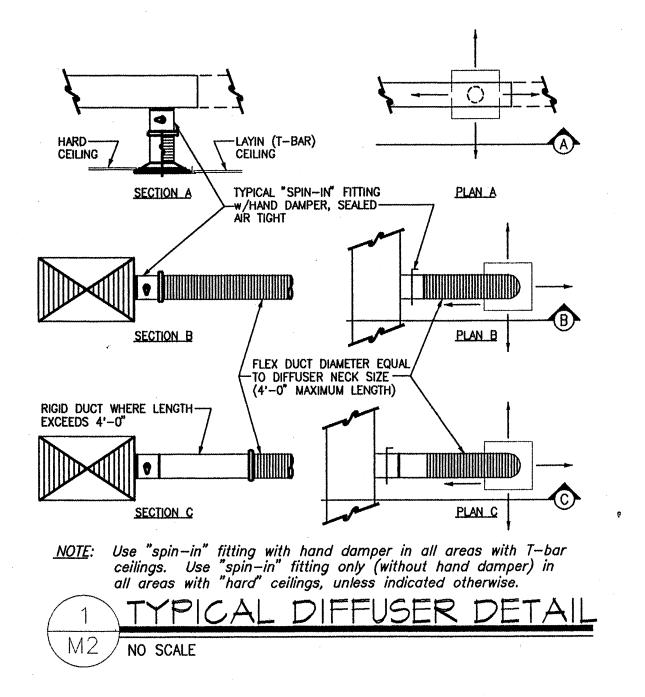
RESTROOM ELEVATION A-12

A-4

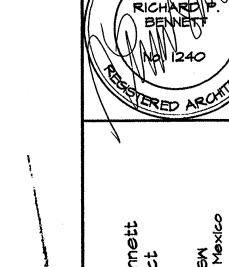
Zone Map No.

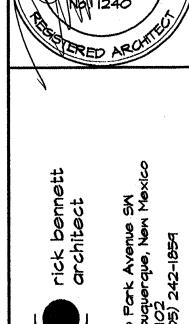






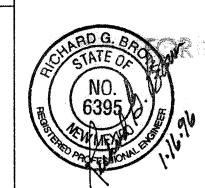
	MECHANICAL EQUIPMENT SCHEDULE ALL CAPACITIES AT 5,000 FT. ELEVATION
SYMBOL	DESCRIPTION
1	EVAPORATIVE COOLER: ROOF MOUNTED, COATED STEEL CABINETS WITH BAKED ON ENAMEL FINISH, STEEL WATER BASIN WITH WATERPROOF COATING, FLOAT VALVE MAKE—UP, DISTRIBUTION PUMP WITH SUCTION SCREEN, ASPEN PADS AND SHEETMETAL COVER PLATES FOR WINTER INSTALLATION. CAPACITIES AS SCHEDULED BELOW. MODEL SELECTIONS BASED ON ARTIC CIRCLE.
	SYMBOL CFM S.P., IN. WG MOTOR HP POWER ARTIC CIRCLE NO. WEIGHT (LBS) 1 5665 0.60 1.5 208-3-60 ES-143 778
2	RELIEF HOOD: FABRICATED OF ALUMINUM, MOUNTED ON FACTORY FURNISHED CURB, BIRD SCREEN, MOTORIZED DAMPER EQUAL TO RUSKIN CD-50, 120 VOLT DAMPER MOTOR WIRED TO OPEN WHEN ASSOCIATED EVAPORATIVE COOLER IS IN OPERATION. MAXIMUM THROAT VELOCITY OF 500 FPM, MAXIMUM P.D. OF 0.08". MODEL SELECTION BASED ON GREENHECK FABRA-HOOD OR APPROVED EQUAL.
	SYMBOL CFM MAX. PD THROAT SIZE INTERLOCK WITH COOLER WEIGHT(LBS)
	2 5665 0.08 36X48 2 400
(3)	TOILET EXHAUST FANS: CEILING MOUNTED, CENTRIFUGAL BLOWER MOUNTED IN ACOUSTICAL HOUSING, FURNISH WITH ROOF JACK WITH INSECT SCREEN AND BACKDRAFT DAMPER. CAPACITY AS SCHEDULED BELOW. GREENHECK OR APPROVED EQUAL.
	SYMBOL CFM S.P. IN. WG MOTOR POWER GREENHECK MODEL 3 100 0.125 37 WATTS 120-1-60 SP-108
4	KITCHEN HOOD: FULL CANOPY MOUNTED TO WALL, FABRICATED OF STAINLESS STEEL, U.L. LISTED, FULLY INSULATED SUPPLY PLENUM WITH BALANCING DAMPER, STAINLESS STEEL FILTER HOUSING WITH PERMANENT ALUMINUM NON-CLOGGING U.L. LISTED GREASE FILTERS, FULL LENGTH GREASE GUTTER WITH REMOVABLE GREASE CUP. U.L. LISTED VAPORPROOF INCANDESCENT LIGHT FIXTURE AND FACTORY WIRED TO A SINGLE POINT POWER CONNECTION JUNCTION BOX. HOOD SHALL BE 5 FT. LONG X 3'-6" WIDE AND SHALL HAVE FACTORY INSTALLED DUCT COLLARS. HOOD SHALL BE FULLY WELDED AND CONFORM TO U.L. AND NFPA REGULATIONS. HOOD SHALL BE FURNISHED COMPLETE WITH A FIRE PROTECTION SYSTEM THAT CONFORMS TO NFPA REGULATIONS INCLUDING FUSIBLE LENGTH ACTUATOR AND MECHANICAL GAS VALVE. GREENHECK GHSW OR APPROVED EQUAL. NEPA 17A, 17A.2-5.2.4 \$ 1.F.C. 10.513 (c) SHALL
(5)	MAKE-UP AIR UNIT: CURB BASE MOUNTED ON FACTORY FURNISHED CURB, GALVANIZED STEEL CONSTRUCTION, MOTORIZED WIRED TO OPEN WHEN HOOD EXHAUST FAN IS IN OPERATION, BELT DRIVE, DWDI FORWARD CURVED FAN, 1" PERMENENT FILTERS. ENTIRE DRIVE ASSEMBLY SHALL BE MOUNTED ON RUBBER VIBRATION ISOLATORS. UNIT SHALL HAVE A CAPACITY OF 1085 CFM AT 3/8" S.P. 1/4 HP MOTOR FOR USE WITH 120-1-60 POWER. GREENHECK RSF-100 OR APPROVED EQUAL.
6	HOOD EXHAUST FAN: UPBLAST TYPE MOUNTED ON FACTORY FURNISHED CURB, MOTORIZED BACKDRAFT DAMPER, ALUMINUM CONSTRUCTION, BELT DRIVE. GREASE GUTTER, MOTOR AND DRIVE OUT OF AIR STREAM, CENTRIFUGAL TYPE BLOWER, EXTENDED BASE WITH VENTS, ENTIRE DRIVE ASSEMBLY MOUNTED ON RUBBER VIBRATION ISOLATORS. FAN SHALL HAVE A CAPACITY OF 1750 CFM AT 1.0" S.P. 3/4 HP MOTOR FOR USE WITH 120-1-60 POWER. GREENHECK CUBE-14 OR APPROVED EQUAL.
7	HOT WATER HEATER: GLASS LINED, 40 GALLONS STORAGE, 4500 WATT UPPER AND LOWER ELEMENTS. UNIT FOR OPERATION WITH 240 VOLTS SINGLE PHASE POWER. A.O. SMITH PEC-40 OR APPROVED EQUAL.





PROJECT #

PROPAGION ONLY



ALBUQUERQUE BLDG & SAFETY JAN 3 0 1996 UB.C PLAN CHECK SECTION

CITY OF ALBUQUERQUE
PARKS AND GENERAL SERVICES
DESIGN & DEVELOPMENT DIVISION

TITLE: ROAD RUNNER LITTLE LEAGUE

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				Design	
				Last De	
City Project No. 5331	.90	Z	one Ma	p No.	I

CEILING DIFFUSER: Same as A above except for hard ceiling installation and furnish with radial opposed blade damper.

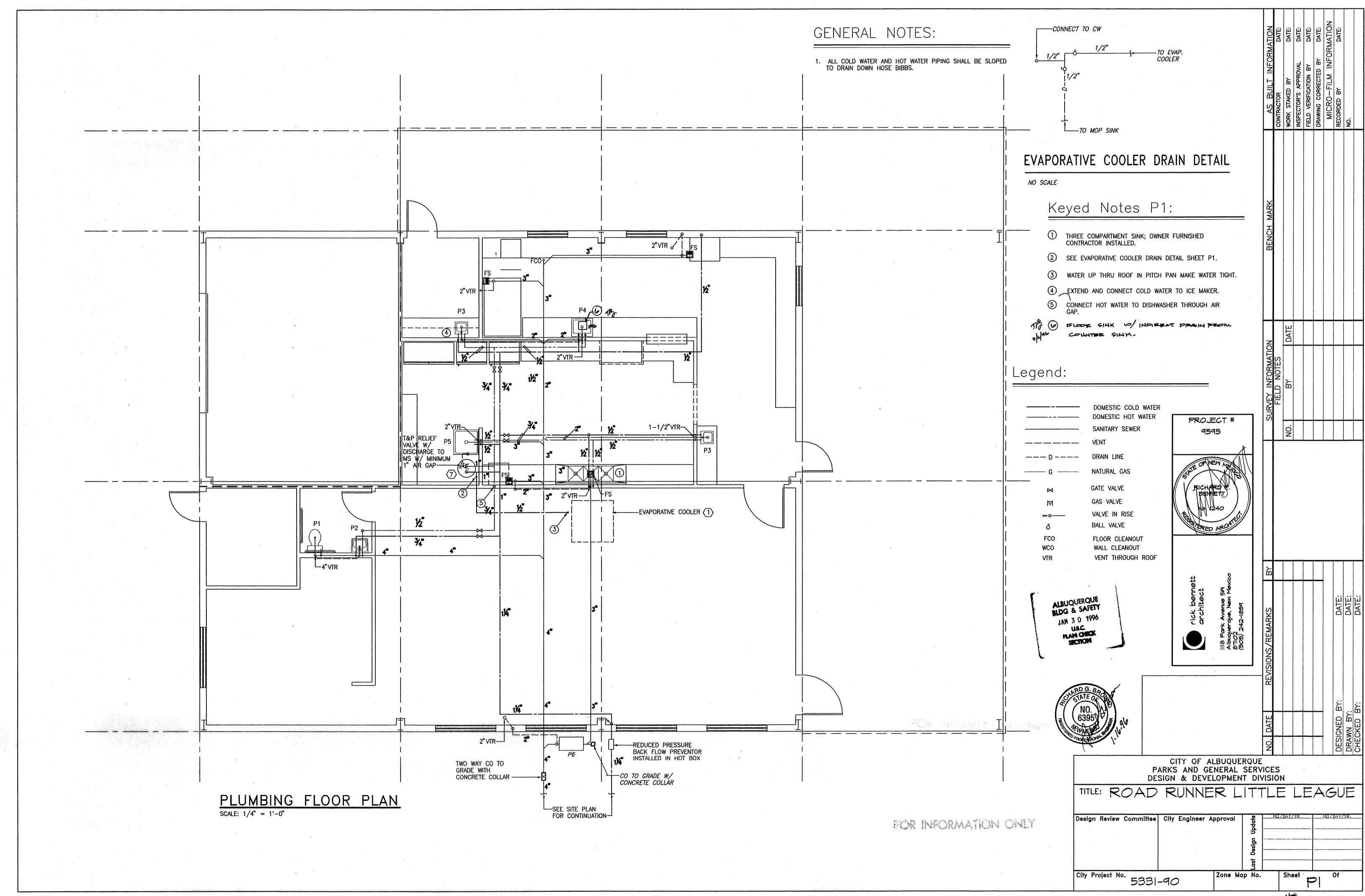
AIR DISTRIBUTION SCHEDULE

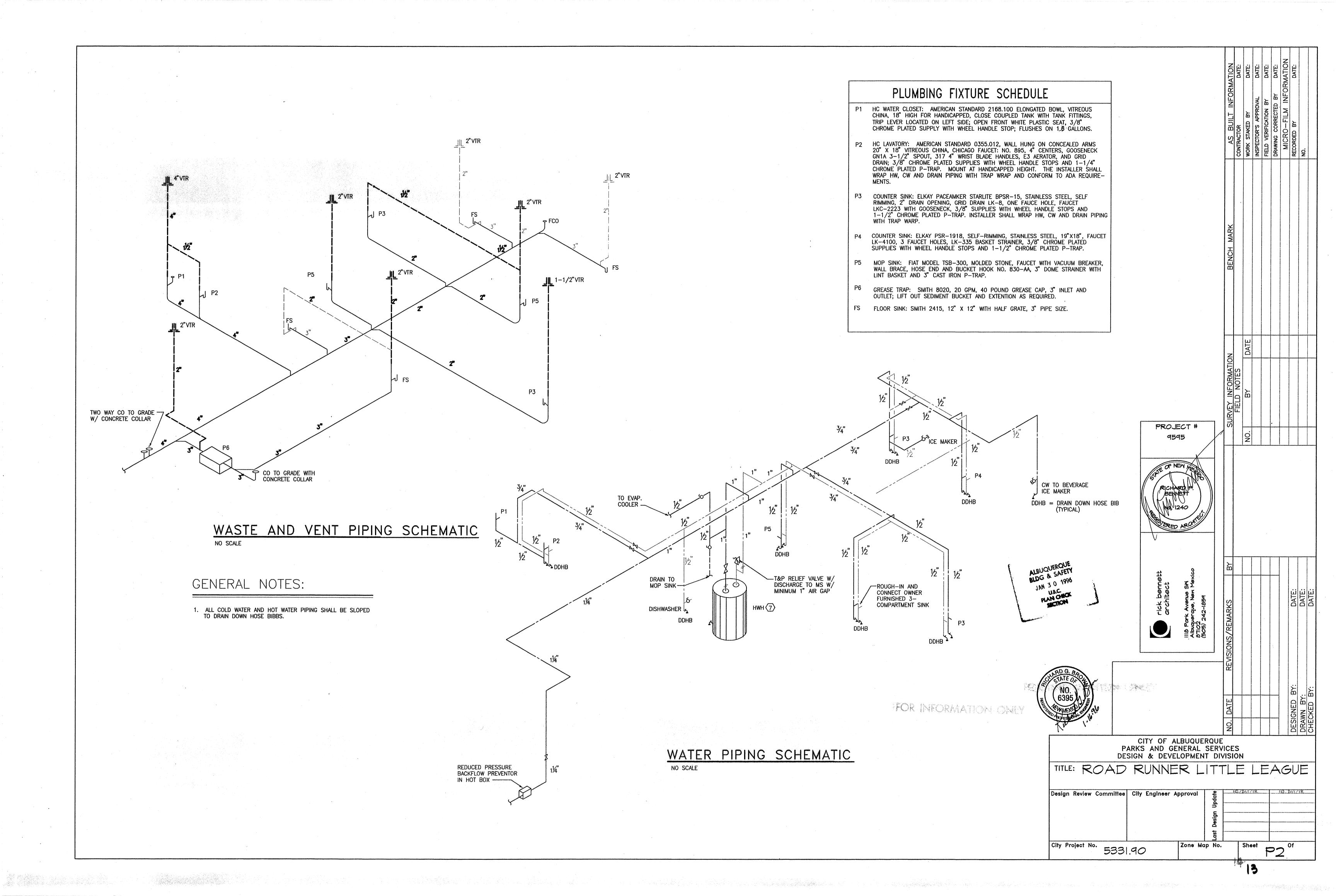
RETURN GRILLE: 1/2"x1/2"x1/2" eggcrate pattern with frame, fabricated of aluminum with baked white enamel finish and for lay—in ceiling installation. Size as indicated on the drawings. J&J Register ALEC-5 or approved equal.

RETURN GRILLE: Same as C above except for hard ceiling installation.

SYMBOL

FOR AFORMATION ONLY





ELECTRICAL SPECIFICATIONS:

- THE TERMS 'CONTRACTOR' OR 'ELECTRICAL CONTRACTOR' USED IN THESE ELECTRICAL SPECIFICATIONS AND CONSTRUCTION DRAWINGS SHALL REFER TO THE ROAD RUNNER LITTLE LEAGUE BUILDING ELECTRICAL
- 2. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MINOR ITEMS WHICH ARE OBVIOUSLY AND REASONABLY NECESSARY FOR COMPLETION.
- 3. STANDARDS, CODES, ORDINANCES AND REGULATIONS, ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND STATE AND LOCAL CODES THAT APPLY. IN ADDITION, THE FOLLOWING INDUSTRY STANDARDS SHALL BE CONSIDERED MINIMUM REQUIREMENTS.
- A. NATIONAL ELECTRIC CODE (NEC)
 B. RULES AND REGULATIONS OF THE NATIONAL FIRE PROTECTION ASSOCIATION STANDARD ASSOCIATION.
- C. NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA) STANDARDS.
 D. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).
 E. THE NATIONAL ELECTRICAL CONTRACTOR'S ASSOCIATION STANDARD INSTALLATION.
- IN ADDITION, THE NATIONAL ELECTRICAL CODES TOGETHER WITH APPLICABLE STATE AND CITY ORDINANCE OR REGULATIONS SHALL BE CONSIDERED AS ESTABLISHING THE MINIMUM REQUIREMENTS FOR THE WORK OF THIS CONTRACT. THE CONTRACTOR SHALL ASCERTAIN THE EXISTENCE OF AND COMPLIANCE OF AND WITH ANY INTERPRETATIONS AND/OR ENFORCEMENT POLICIES OF THE LOCAL PARTICULAR INSTALLATION WHERE THESE SPECIFICATIONS CALL FOR MATERIAL OR CONSTRUCTION OF BETTER QUALITY OR LARGER SIZE THAN REQUIRED BY THE ABOVE RULES AND REGULATIONS. THE PROVISIONS OF THE SPECIFICATIONS SHALL TAKE PROFESSIONS.
- 4. PERMITS AND INSPECTIONS
- THE CONTRACTOR SHALL TAKE DUT ALL PERMITS AND ARRANGE FOR ALL INSPECTIONS, PROCURE CERTIFICATES AND PAY FEES CONNECTED THEREWITH. THE CONTRACTOR SHALL ALSO FURNISH A CERTIFICATE OF FINAL INSPECTION AND APPROVAL BY ENFORCEMENT AUTHORITIES.
- 5. BIDDERS SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH ALL CONDITIONS SURROUNDING THE WORK.
- 6. THE CONTRACTOR MUST ALSO REFER TO THE ARCHITECTURAL, STRUCTURAL AND MECHANICAL PLANS AND SPECIFICATIONS, SUCH PLANS ARE CONTRACT DOCUMENTS.
- 7. DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO SHOW APPROXIMATE LOCATIONS.
- 8. ELECTRICAL MATERIALS, UNLESS DTHERWISE NOTED, ALL MATERIALS SHALL BE NEW AND THE BEST OF THEIR SEVERAL KINDS AND SHALL BEAR THE UL LABEL WHERE APPLICABLE. GOOD WORKMANSHIP SHALL BE EVIDENT IN THE INSTALLATION OF ALL ELECTRICAL MATERIALS AND EQUIPMENT. THE NATIONAL ELECTRICAL CONTRACTOR'S ASSOCIATION STANDARD OF INSTALLATION IS HEREBY ADOPTED TO DEFINE SUCH WORKMANSHIP AND THE APPLICATION OF BASIC MATERIALS.
- 9. CONTRACTORS SHALL SUBMIT A REQUEST FOR SUBSTITUTION IN WRITING TO THE ENGINEER.
- 10. THIS CONTRACTOR SHALL TOUCH UP OR REFINISH THE FACTORY FINISH EQUIPMENT MARRED DURING SHIPMENT OR INSTALLATION.
- 11. THE ELECTRICAL INSTALLATION SHALL MEET THE APPROVAL OF THE ENGINEER BEFORE ACCEPTANCE BY THE OWNER.
- 12. THE CONTRACTOR SHALL BE A LICENSED MASTER ELECTRICIAN OF THE STATE IN WHICH THE JOB IS LOCATED.
- 13. THE ENTIRE INSTALLATION SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR

JUNCTION BOXES, PULL BOXES, SUPPORTS, SLEEVES, AND OTHER APPURTENANCES

- IN A FIRST CLASS WORKMANSHIP MANNER.

 14. RACEWAY SYSTEMS:
 CONTRACTOR SHALL PROVIDE ALL RACEWAY, FITTINGS, DUTLET BOXES,
- REQUIRED TO PROVIDE A COMPLETE RACEWAY SYSTEM. CONDUIT TYPE AND USE SHALL BE AS FOLLOWS:

 A. RIGID NON-METALLIC CONDUIT, WHERE USED, SHALL BE MADE FROM A COMPOUND INCLUDING INERT MODIFIERS TO IMPROVE WEATHER-ABILITY, REDUCE HEAT DISTORTIONS AND REDUCE SMOKE AND HCL EMISSIONS UNDER FIRE CONDITIONS. SHALL BE USED IN ACCORDANCE WITH NEC ARTICLE 347 WHEN USED
- DR BENEATH SLAB OR GRADE, AND IN EXTERIOR EXPOSED LOCATIONS.

 B. FLEXIBLE CONDUIT SHALL BE USED FOR CONNECTIONS TO MOTORS, TRANSFORMERS, OTHER ROTATING OR VIBRATING EQUIPMENT AND RECESSED LIGHTING FIXTURES. WHERE USED OUTDOORS, IN DAMP OR WET LOCATIONS OR IN CORROSIVE

ATMOSPHERES, FLEXIBLE CONDUIT SHALL BE JACKETED WITH

UNDERGROUND OR EXPOSED. SHALL BE USED UNDERGROUND, IN

C. ELECTRICAL METALLIC AND NON-METALLIC CABLE MAY BE USED WHERE LOCAL STATE AND CITY CODES ALLOW. CONTRACTOR SHALL OBTAIN A LETTER OF AUTHORIZATION FROM THE LOCAL 'AUTHORITY' HAVING 'JURISDICTION'. CONTRACTOR SHALL STATE IN HIS BID THE PROPOSED WIRING METHOD TO BE USED.

MATERIAL APPROVED FOR APPLICATION.

- 15. ELECTRICAL WORK SHALL NOT INTERFERE WITH CLEARANCES REQUIRED FOR GENERAL AND MECHANICAL CONSTRUCTION. SHOULD ELECTRICAL WORK BE INSTALLED WHICH INTERFERES WITH THE TUE OTHER CONTRACTORS, SUCH WORK SHALL BE CHANGED AT NO ADDITIONAL
- 16. THIS CONTRACTOR TO DO ALL CUTTING AND PATCHING REQUIRED TO INSTALL ANY PORTION OF THIS WORK, PATCH WITH NEW MATERIALS OF THE SAME TYPE THAT WAS REMOVED. REFINISH PATCHED SURFACE TO MATCH EXISTING ADJACENT SURFACES.
- 17. GROUNDING SHALL COMPLY WITH THE CODE AND REQUIREMENTS OF THE POWER COMPANY
- 18. AT THE COMPLETION OF THE WORK, THIS CONTRACTOR SHALL REMOVE ALL RUBBISH CAUSED BY HIS WORK AND SHALL THOROUGHLY CLEAN ALL EQUIPMENT.
- 19. ALL WORK SHALL BE GUARANTEED FREE FROM DEFECTS FOR A PERIOD OF ONE YEAR FROM
- DATE OF FINAL ACCEPTANCE.

 20. ALL ITEMS OF ELECTRICAL EQUIPMENT ASSOCIATED WITH THE CONTROL OF ELECTRICAL APPARATUS SHALL BE IDENTIFIED WITH ENGRAVED BAKELIKE NAMEPLATES.
- 21. NOMINAL MOUNTING HEIGHT OF DEVICES IN EXPOSED CONCRETE BLOCK, TILE, OR BRICK WALLS SHALL ALL DCCUR WITHIN A STRUCTURAL COURSE. A MINIMUM AMOUNT OF BLOCK, TILE, OR BRICK WALLS SHALL BE CUT.
- 22. ALL ELECTRICAL EQUIPMENT SHALL BE SPECIFICATION GRADE AND UL APPROVED UNLESS
- SPECIFIED OTHERWISE.

 23. DEVICES, DUTLETS, JUNCTION BOXES, AND LIGHTING SWITCHES SHALL MEET FEDERAL SPECIFICATIONS W-S-896E. RECEPTACLES SHALL MEET FEDERAL SPECIFICATIONS W-C-596E. DUTLETS AND JUNCTION BOXES IN DRY INTERIOR LOCATIONS SHALL BE AT MINIMUM 4' SQUARE PRESSED GALVANIZED STEEL FOR FLUSHED INSTALLATIONS. APPROPRIATE TILE OR PLASTIC COVERS SHALL BE PROVIDED. WHERE SURFACE MOUNTED DUTSIDE OR IN WET LOCATIONS, BOXES SHALL BE CAST TYPE 'ES' OR 'FD' WITH THREADED HUBS. FLOOR BOXES SHALL BE RECTANGULAR HUBBELL 'DUALEVEL' SERIES ADJUSTABLE, WEATHERTIGHT, CAST IRON AND BRASS COVERS AND CARPET FLANGES AS REQUIRED.
- 24. ALL CONDUCTORS SHALL BE COPPER, 600V-THW, THHW, OR XHHW, #12 MINIMUM SIZE. CONTROL WIRING SHALL BE COPPER TYPE THHN.
- 25. NO CONDUITS TO BE RUN IN OR SUPPORTED BY DUCTWORK. A GALVANIZED IRON PULL WIRE SHALL BE INSTALLED IN ALL EMPTY CONDUITS.
- 26. ALL CONDUITS THROUGH ROOF SHALL PENETRATE ROOF USING APPROVED ROOF FLASHING.
 27. FLEXIBLE CONDUIT CAN ONLY BE USED FOR SHORT FINAL CONNECTIONS TO INTERIOR
- LIGHTING FIXTURES AND EQUIPMENT AND/OR AS NOTED IN 'B' ABOVE.
- 28. ALL ELECTRICAL EQUIPMENT AND CONDUIT EXPOSED TO WEATHER SHALL BE WEATHERPROOFED.

 29. FUSES SHALL BE BUSSMAN 'LOW PEAK' DUAL ELEMENT, UL CLASS RKI.

LAMINATED PLASTIC NAMEPLATE.

BETWEEN THE PHASES OF THE SYSTEM.

- 30. PROVIDE TYPEWRITTEN PANEL SCHEDULES FOR ALL PANELS. ALL PANEL DOORS SHALL BE KEYED ALIKE.
- 31. PROVIDE ALL ELECTRICAL PANELS, DISCONNECT SWITCHES, AND TIME CLOCKS WITH 1/2 INCH
- 32. THE CONTRACTOR SHALL BE REPONSIBLE FOR VERIFICATION OF CEILING CONSTRUCTION BEFORE INSTALLING LIGHT FIXTURES.
- 33. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY BALANCING ALL BRANCH CIRCUITS

- 34. PANELBUARDS SHALL HAVE BUS RATING AND A.I.C. RATINGS GREATER THAN FAULT CURRENT VALUES AT POINTS OF APPLICATION.
- 35. CIRCUIT BREAKERS USED FOR LIGHT SWITCHING SHALL BE UL LISTED 'SWITCHING DUTY BREAKERS'.
- 36. PROVIDE HANDLE TIE ON BREAKERS FOR EXIT LIGHTS AND EMERGENCY BATTERY CIRCUITS IN 'ON'
- 37. SWITCHES AND RECEPTACLES SHALL BE HUBBELL OR SLATER OR LEVITON OR APPROVED EQUAL WITH HUBBELL NUMBERS USED TO SPECIFY TYPE USED. SWITCHES SHALL BE IVORY COLOR, 20 AMP, 120/277 VOLT A.C. RATED SINGLE POLE SWITCHES SHALL BE #1221 AND 3-WAY SWITCHES SHALL BE #1223. WALL PLATES SHALL BE IVORY COLORED. PROVIDE ALL WIRING DEVICES AND COVER PLATES SHOWN HEREIN. WEATHERPROOF COVER PLATES SHALL BE FIBERGLASS LIFT COVER TYPE. PROVIDE GROUND FAULT INTERRUPTER RECEPTACLES (OR CIRCUITS) WHERE NOTED OR REQUIRED BY CODE.
- 38. TELEPHONE OUTLETS SHALL BE PROVIDED WHERE SHOWN ON PLANS. EACH INDIVIDUAL PHONE WIRE SHALL BE IDENTIFIED AT EACH END.
- 39. PANELS SHALL BE 120/208 VOLT, 3 PHASE, 4 WIRE SQUARE 'D' OR GOULDE ITE, NQOB WITH LOCKABLE DOOR, BOLT ON TYPE CIRCUIT BREAKERS WITH 10,000 AMP A.I.C. RATING MINIMUM. FUSIBLE AND CIRCUIT BREAKER PANELBOARDS SHALL ALL BE OF THE SAME MANUFACTURER. FURNISH AND INSTALL COMPLETE. PANELBOARDS SHALL HAVE SURFACE MOUNTED TRIMS, CONCEALED CLAMPS AND HINGES, FLUSH LOCK AND BE PRIME FINISHED. LOCKS SHALL BE MASTER KEYED.
- 40. LIGHTING FIXTURES
- INSTALL ALL LIGHTING FIXTURES AS SHOWN AND SPECIFIED HEREIN COMPLETE WITH LAMPS, BALLASTS, SUPPORTS, AND ALL OTHER APPURTENANCE AS REQUIRED. BALLASTS SHALL BE C.B.M. AND E.T.L. RATED ON APPROVED HIGH POWER FACTORY TYPE, FLUORESCENT BALLASTS SHALL BE CLASS P. ALL H.I.D. BALLASTS SHALL BE PREMIUM GRADE, CONSTANT WATTAGE. INCANDESCENT LAMPS SHALL BE WARM WHITE COLOR. H.I.D. LAMPS SHALL BE DELUXE WHITE COLOR OR AS SPECIFIED AND H.P.S. LAMPS SHALL BE SPECIFIED. ALL ACRYLIC PRISMATIC LENSES SHALL BE 0.125' THICK MINIMUM.
- 41. MOTOR AND EQUIPMENT WIRING

 THE CONTRACTOR TO FURNISH AND INSTALL ALL CONTROL AND POWER CONNECTIONS, WIRING AND DEVICES FOR ALL MOTORS AND ELECTRICAL EQUIPMENT FURNISHED FOR THIS PROJECT UNLESS SPECIFICALLY NOTED OTHERWISE. COORDINATE WITH MECHANICAL.
- 42. FIRE DETECTORS AND FIRE ALARM SYSTEM
- A. SCOPE: THIS SECTION DESCRIBES THE FIRE ALARM SYSTEM AND THE FIRE DETECTION UNITS AS SHOWN IN THE DRAWINGS. ALL ELECTRICAL MATERIALS, EQUIPMENT AND DEVICES SHALL BEAR THE UL LABEL WHERE APPLICABLE.
- B. FIRE ALARM SYSTEM: FURNISH AND INSTALL A FIRE ALARM SYSTEM AS MANUFACTURED BY SIMPLEX CORPORATION AS DESCRIBED IN THESE SPECIFICATIONS AND INDICATED ON THE DRAWINGS. THE SYSTEM IS TO BE INSTALLED AND WIRED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND PER THESE CONTRACT SPECIFICATIONS AND SHALL BE LEFT IN FIRST CLASS OPERATING CONDITIONS.
- C. OPERATION AT EACH EXIT, AND OTHER LOCATIONS AS SHOWN ON THE PLANS, THERE SHALL BE A NON-CODED FIRE ALARM MANUAL STATION. AT EACH LOCATION, WHERE SHOWN, THERE SHALL BE AN AUTOMATIC FIRE DETECTOR UNIT. AT EACH LOCATION WHERE SHOWN, THERE SHALL BE A HORN. OPERATION OF ANY STATION SHALL CAUSE ALL SOUNDING DEVICES TO OPERATE CONTINUOUSLY UNTIL THE FIRE ALARM STATION HAS BEEN RESTORED TO NORMAL. IT SHALL ALSO BE POSSIBLE FOR THOSE IN AUTHORITY TO TEST THE SYSTEM FROM ANY STATION WITHOUT CAUSING SOUNDING DEVICES TO OPERATE. THESE STATIONS AND SOUNDING DEVICES SHALL BE CONNECTED TO A FIRE ALARM CONTROL PANEL WHICH SHALL CAUSE A SMALL CURRENT TO PASS THROUGH THE ENTIRE SYSTEM. A TROUBLE SIGNAL SHALL ALSO BE PROVIDED AND SHALL SOUND CONTINUOUSLY IN THE EVENT OF FAILURE OF THE MAIN POWER SUPPLY SOURCE, GROUND FAULT, OR OPENING OF ITS INSTALLATION WIRING
- D. FIRE DETECTION UNIT: FOR THE LOCATIONS AS INDICATED ON THE DRAWINGS A STATION FIRE DETECTION UNIT INSTALLED TO ALERT BUILDING OCCUPANTS. THE FIRE DETECTION UNIT IS INSTALLED SHALL OPERATE ON THE PHOTO-ELECTRIC CELL PRINCIPLE, ACTIVATED BT THE PRESENCE OF COMBUSTION PRODUCTIONS, AND SHALL BE LISTED BY UNDERWRITER'S LABORATORY, INC. ALL MOUNTING PLATES SHALL BE PROVIDED. THE DETECTION UNIT SHALL CONTAIN A CONCEALED TEST FEATURE WHICH UTILIZES A METHOD TO FUNCTIONALLY TEST THE BUILT-IN 85 DB ALARM HORN. AN AUDIBLE ONLY TEST FEATURE SHALL NOT BE CONSIDERED EQUAL.

E. EQUIPMENT

- 1. PROVIDE AND INSTALL SMOKE DETECTOR SIMPLEX #2098-9201 WITH 9211 2 WIRE BASE FOR FOR LOCATIONS SHOWN ON FLOOR PLANS.
- 2. PROVIDE AND INSTALL WHERE SHOWN ON THE DRAWINGS, A FLUSH NON-CODED MANUAL SINGLE ACTION FIRE-ALARM STATION, SIMPLEX #2099-9754. FLUSH STATIONS SHALL MOUNT ON STANDARD OUTLET BOXES WITH SINGLE GANG COVER.
- 3. INSTALL WHERE SHOWN ON THE DRAWINGS, A HORN/STROBE SIMPLEX #4903-9219. SIZE AND NUMBER OF SIGNALS TO BE LOCATED SO THAT THEY MAY BE HEARD BY ALL OCCUPANTS OF THE BUILDING. MEN'S AND WOMEN'S PUBLIC/HANDICAP BATHROOMS REQUIRE STROBE ONLY, SIMPLEX #4904-9137,
- 4. INSTALL A CLOSED CIRCUIT FIRE ALARM CONTROL PANEL, AS SHOWN ON THE DRAWINGS, A FLUSH WALL TYPE STEEL CABINET EQUIPPED WITH HINGED DOOR, LOCK AND KEYS. THIS PANEL SHALL CONTAIN ALL NECESSARY RELAYS, METERS, END-OF-LINE RESISTORS, TERMINAL AND FUSES FOR THE CONTROL AND SUPERVISION OF THE SYSTEM. THE PANEL SHALL CONTAIN THE NUMBER OF HORN AND STATION CIRCUITS REQUIRED. A TROUBLE SIGNAL SHALL BE PROVIDED FOR EXTERNAL CIRCUIT CONNECTIONS. PANEL SHALL BE SIMPLEX #40019403 MAX. 4 ZONES, WITH BATTERY BACKUP, SURFACE MOUNT.
- 5. PROVIDE AND INSTALL A HEAT DETECTOR FOR THE KITCHEN ROOM, SIMPLEX #4098 SERIES, 9211 BASE, 135 DEGREES F, FIXED TEMPERATURE.
- 6. ALL INTERIOR WIRING SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF NFPA CODES 70 AND 72 AND ALL CURRENT APPLICABLE ELECTRICAL CODES. SIZE AND NUMBER OF WIRES SHALL BE IN ACCORDANCE WITH WIRING DIAGRAM SUPPLIES BY THE MANUFACTURER OF THE FIRE ALARM SYSTEM. THE FIRE ALARM SYSTEM MANUFACTURER SHALL PROVIDE A WIRE RISER DIAGRAM DENOTING TYPE, SIZE, AND QUANTITY OF WIRES FOR USE BY THE ELECTRICAL
- CONTRACTOR.

 7. A STANDBY BATTERY AND CHARGER SHALL BE FURNISHED TO SOUND ALARMS IN THE EVENT OF LOSS OF POWER. THE BATTERIES SHALL BE MAINTENANCE FREE WITH SUFFICIENT CAPACITY TO SOUND ALARMS FOR A PERIOD OF 10 MINUTES AFTER A 24 HR INTERRUPTION OF NORMAL POWER. THE CHARGER SHALL BE CAPABLE OF RECHARGING, CIRCUITRY SHALL BE CURRENT-LIMITED TO PREVENT DAMAGE IN THE EVENT OF A SHORT CIRCUIT ON THE BATTERY
- LEADS.

 8. EXTERIOR WEATHERPROOF 6 INCH SPRINKLER WATER GONG, SIMPLEX #2901 24 VDC BELL.

 9. CONNECT TO SPRINKLER FLOW AND TAMPER SWITCHES WHERE NEEDED FOR SUPERVISORY ALARM
- 9. CONNECT TO SPRINKLER FLOW AND TAMPER SWITCHES WHERE NEEDED FOR SUPERVISORY ALARM.

 10. PROVIDE AND INSTALL DUCT DETECTOR SIMPLEX #2098-9649 IN SUPPLY DUCT OF AIR DISTRIBUTION SYSTEMS GREATER THAN 2000 CFM. NOT REQUIRED FOR AIR DISTRIBUTION SYSTEMS 2000 CFM AND BELOW. CONNECT TO FIRE ALARM PANEL ON SEPARATE ZONE AND AUXILIARY CONTACTS ON DUCT DETECTOR MUST SHUT DOWN AIR HANDLER.
- F. TEST, GUARANTEE, AND DRAWINGS: THE CONTRACTOR SHALL CONDUCT TEST OF THE SYSTEM IN THE PRESENCE OF THE OWNER (OR HIS AGENT) AND WITH LOCAL AUTHORITIES, AS REQUIRED BY LOCAL CODES. THE FIRE ALARM SYSTEM AS INSTALLED SHALL BE GUARANTEED TO BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF UP TO ONE YEAR FROM INITIAL TEST AND FINAL ACCEPTANCE. THE CONTRACTOR SHALL PROVIDE THE OWNER BEFORE FINAL ACCEPTANCE TWO COMPLETE SETS OF SYSTEM WIRING DIAGRAMS AND MAINTENANCE AND OPERATING INSTRUCTIONS.
- 46. SHOP DRAWINGS
- A. PROVIDE SEVEN SETS OF SHOP DRAWINGS FOR THE FOLLOWING ITEMS:

 1. PANELBOARDS AND MOTOR DISCONNECTS:
- 2. FIRE ALARM SYSTEMS.
- B. PROVIDE THE DWNER TWO COMPLETE SETS OF SHOP DRAWINGS, MAINTENENCE AND OVERHAUL MANUALS IN THREE RING BINDER, AT THE END OF THIS PROJECT. FOR ALL EQUIPMENT REQUIRING SHOP DRAWINGS. IN ADDITION, PROVIDE MAINTENANCE MANUALS FOR LIGHTING FIXTURES.
- 47. PHOTO ELECTRIC LIGHTING CONTROLS:
- PHOTOCELL SHALL BE INTERMATIC MODEL #K4221 OR APPROVED EQUAL, MOUNT 12 INCHES ABOVE ROOF WITH WINDOW FACING NORTH. COORDINATE LOCATION WITH GENERAL CONTRACTOR ON SITE.
- 48. EMERGENCY LIGHTING

 EMERGENCY LIGHTING UNITS SHALL BE INSTALLED IN PLACES OF ASSEMBLY WHERE ARTIFICIAL ILLUMINATION IS REQUIRED
 FOR SAFE EXITING AND FOR PANIC CONTROL. STORAGE BATTERIES USED AS A SOURCE OF POWER FOR EMERGENCY SYSTEMS
 SHALL BE OF SUITABLE RATING AND CAPACITY TO SUPPLY AND MAINTAIN THE TOTAL LOAD FOR A PERIOD OF 1.5 HOURS
 MINIMUM WITHOUT THE VOLTAGE APPLIED TO THE LOAD FALLING BELOW 87.5 PERCENT OF NORMAL.

 ALL EXIT LIGHTS SHALL BE PROVIDED WITH BATTERY BACKUP, INTERNAL TO THE UNIT. BATTERY BACKUP SHALL BE
 MAINTENANCE FREE DELIVERING 4 HOURS CAPACITY IN EMERGENCY USE, 24-HOUR BATTERY RECHARGE AFTER 90-MINUTE
 DISCHARGE.

	ELECTRICAL LEGEND
6 =	DUPLEX RECEPTACLE
6 =	FOURPLEX RECEPTACLE
erilg=	DUPLEX RECEPTACLE, GROUND FAULT CICUIT INTERUPTER
€ CC	FOURPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERUPTER
0	J-BOX
	DISCONNECT SWITCH FUSED OR UNFUSED AS INDICATED
	COMBINATION STARTER
\$	SWITCH
\$.	3-WAY SWITCH
[o]	2' X 4' FLUDRESCENT FIXTURE
	HALF-SWITCHED FIXTURE AND NIGHT LIGHT
Nicola War (N. 1997)	NIGHT UNSWITCHED FIXTURE AND NIGHT LIGHT
	TELEPHONE
	PANELBOARD, SEE PANEL SCHEDULE FOR CHARACTERISTICS
8	EXIT SIGN
¥	HORN/STROBES-FIRE ALARM
6	FIRE ALARM DE∨ICE
	HIDDEN OR UNDERGROUND CONDUIT
8	SMOKE DETECTOR
1-7	EMERGENCY LIGHTING
4	TV DUTLET
(1)	HEAT DETECTOR
00	DUCT DETECTOR
8	STROBES-FIRE ALARM
•	FLOOR RECEPTACLE
₹	DEDICATED RECEPTACLE FOR COMPUTER
	SPECIAL PURPOSE RECEPTACLE

GENERAL NOTES APPLICABLE TO ALL DRAWINGS:

- A. THE CONTRACTOR SHALL REVIEW ALL GENERAL CONSTRUCTION DRAWINGS, AND PERFORM AN ON SITE SURVEY OF THE CONSTRUCTION BEFORE BID SUBMITTAL. THE CONTRACTOR MUST BE FULLY AWARE OF EXISTING SITE CONDITIONS AFFECTING THE OPERATION OF WORK UNDER THIS CONSTRUCTION PROJECT. NO ALLOWANCE WILL BE MADE IN BEHALF OF THE CONTRACTOR FOR ANY MISINTERPRETATION, ERROR, OR NEGLIGENCE ON THE PART OF THE CONTRACTOR. THE ENTIRE WORK SHALL COMPLY WITH ALL APPLICABLE CODES, LAWS, AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION AT THE SITE LOCATION OF WORK, NFPA 70, NM ELECTRICAL SAFETY CODE, AND LOCAL UTILITIES DRAWINDS/GUIDES APPLY.
- B. THE CONTRACTOR SHALL BE REQUIRED TO PATCH, PLASTER, OR REPAIR TO FULL RESTORATION ANY SURFACES DAMAGED DUE TO ELECTRICAL INSTALLATION OF ANY EQUIPMENT AND/OR DEVICES,
- C. THE CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL DRAWINGS FOR BUILDING DETAILS, ELEVATIONS, AND DIMENSIONS. LOCATIONS OF POWER RECEPTACLES, PANELS, SWITCHES, FIRE ALARM STATIONS, AND WALL MOUNTED LIGHT FIXTURES SHALL BE VERIFIED WITH ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHTING FIXTURES. VERIFY ALL CEILING TYPES WITH ARCHITECTURAL DRAWINGS BEFORE ORDERING FIXTURES.
- D. ALL CONDUIT PENETRATIONS OF WALLS AND FLOOR SLABS SHALL BE GROUTED AND SEALED TO PRESERVE WATERTIGHT INTEGRITY AND FIRE RATING.
- E. ALL ELECTRICAL POWER AND CONTROL WIRING MUST BE IN CONDUIT.
- F. FLEXIBLE CONDUIT SHALL BE USED FOR MOTOR CONNECTIONS, AND LIGHTING CONNECTIONS, BUT NOT TO EXCEED 6 FEET PER DROP.
- G. ALL ELECTRICAL EQUIPMENT/DEVICES SHALL BE OF COMMERCIAL GRADE AND UL APPROVED.
- H. MINIMUM WIRE SIZE SHALL BE #12 AWG AND MINIMUM CONDUIT SIZE IS 1/2".
- J. MINIMUM WIRE TEMPERATURE RATING SHALL BE 150 DEGREES CENTIGRADE.
- K. PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUIT SIZED PER N.E.C..
 M. VERIFY ALL ELECTRICAL CHARACTERISTICS AND EXACT LOCATION OF EQUIPMENT PRIOR TO
- INSTALLATION, AND FINAL CONNECTIONS.

 N. TELEPHONE WIRING SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR, EXTENDING FROM FACH JACK TO THE TELEPHONE CABINETS BY OTHERS (ONE HOMERUN PER OUTLET). WHERE SHOW
- EACH JACK, TO THE TELEPHONE CABINETS BY OTHERS (ONE HOMERUN PER OUTLET), WHERE SHOWN. STATION CABLE SHALL BE FOUR CONDUCTOR, AND TELEPHONE JACKS SHALL BE RJ-14. FOLLOW LOCAL CABLE COMPANY INSTALLATION STANDARDS.

 P. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PROVIDE ONE SET OF
- COMPLETE CONSTRUCTION DRAWINGS TO THE POWER AND TELEPHONE AREA REPRESENTATIVE WITHIN TWO WEEKS OF AWARD OF CONTRACT.

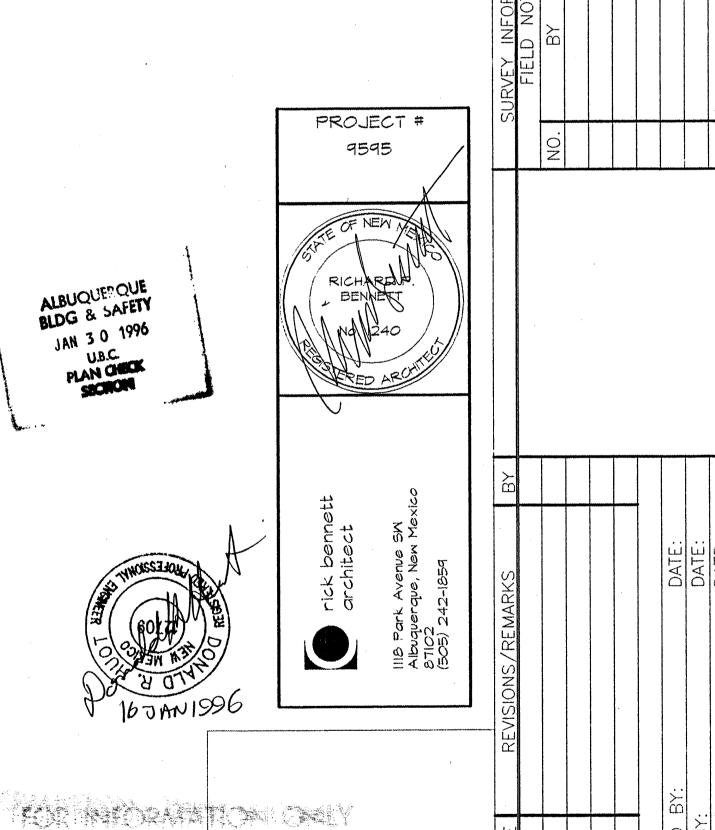
 P. CONTRACTOR MUST REQUEST UTILITY LINE LOCATES AND VERIFY ACCEPTABLE VERTICAL AND HORIZONTAL
- CLEARANCES FROM OTHER UTILITY COMPANIES PRIOR TO ANY EXCAVATION.

 P. LOCAL UTILITY COMPANY WILL FURNISH AND INSTALL PRIMARY WIRES, PADMOUNT TRANSFORMER, CURRENT
- TRANSFORMERS, METERS, AND METERING WIRING.

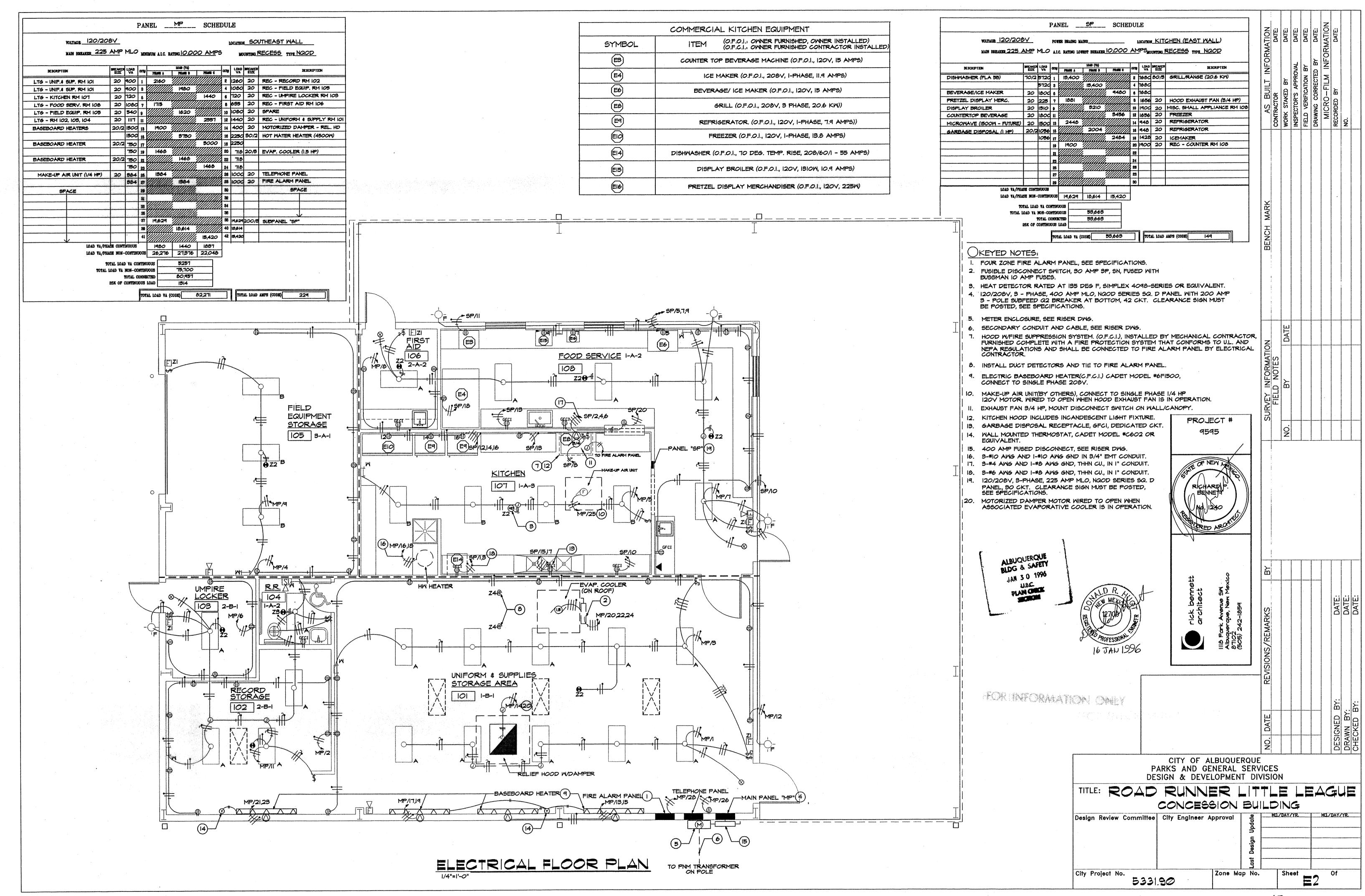
 P. ALL UNSWITCHED AND HALF—SWITCHED LIGHTING FIXTURES SHALL HAVE ADDITIONAL EMERGENCY
 LIGHT OPTION (FL. OR ELR DEPENDING ON FIXTURE TYPE) ALL LAMPS INSIDE FIXTURE SHALL B
- LIGHT OPTION (EL OR ELR DEPENDING ON FIXTURE TYPE). ALL LAMPS INSIDE FIXTURE SHALL BE ACTIVATED FOR EMERGENCY CONDITIONS.
- R. ALL PROJECT SIGNS AND SITE DIRECTORIES, WHERE THE ILLUMINATION SOURCE IS AN INTEGRAL PART OF SIGN ASSEMBLY, SHALL BE INSTALLED PER ARTICLE 600 OF N.E.C..
- S. SIGNS SHALL BE POSTED AT EACH ELECTRICAL PANEL TO STATE THE FOLLOWING "ALLOW 3 FOOT WORKING CLEARANCE IN FRONT OF PANEL - NO STORAGE"
- T. THE SPRINKLER SYSTEM SHALL BE TIED TO THE FIRE ALARM PANEL.
- U. STROBE LIGHTS SHALL BE INSTALLED IN ALL HANDICAP BATHROOMS AND TIED TO FIRE ALARM PANEL.
- V. FIREPROOF CAULKING APPROVED BY LOCAL FIRE CODES MUST BE USED FOR ANY CONDUIT PENETRATION(S) OF FIRE WALLS.

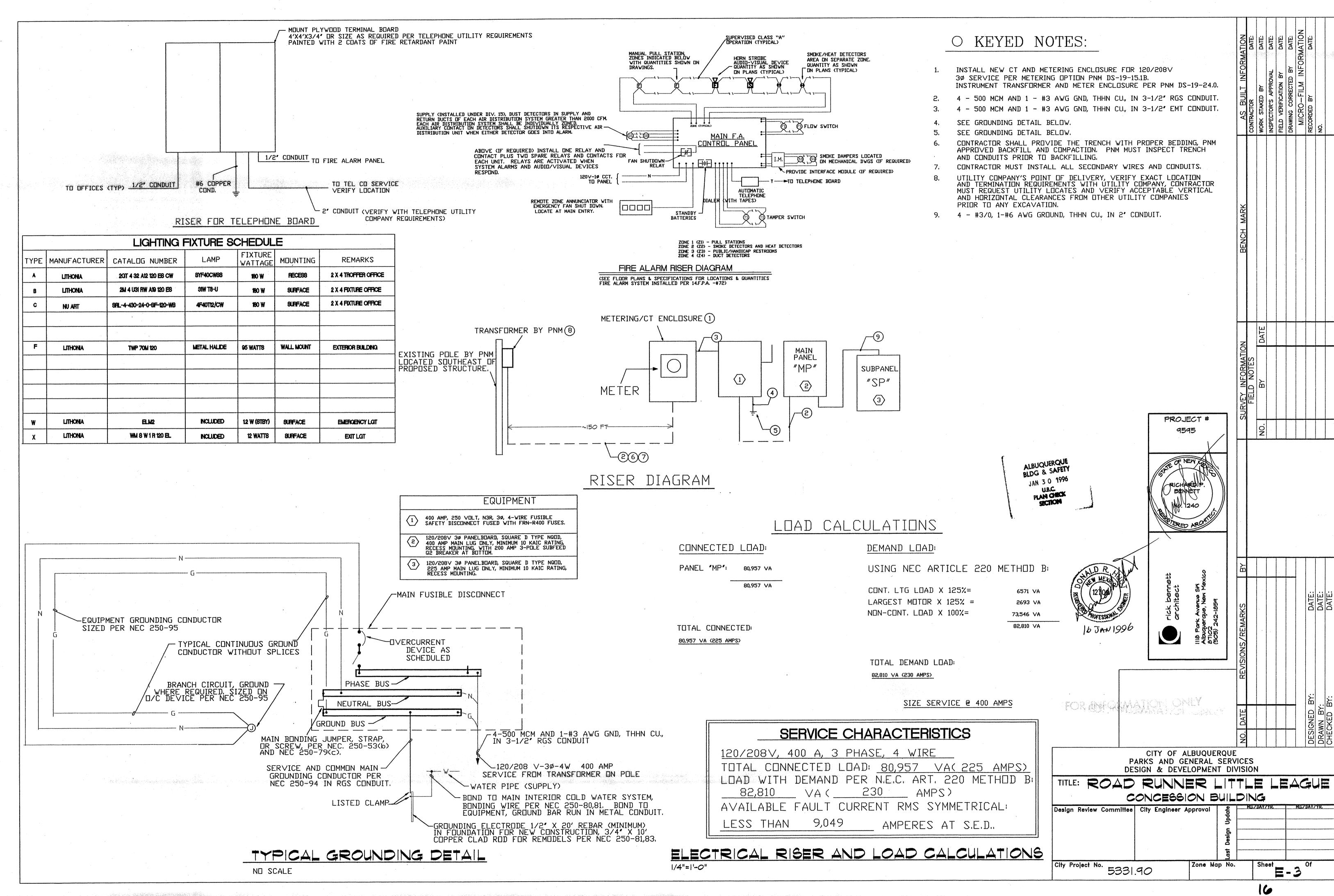
ELECTRICAL SPECIFICATIONS

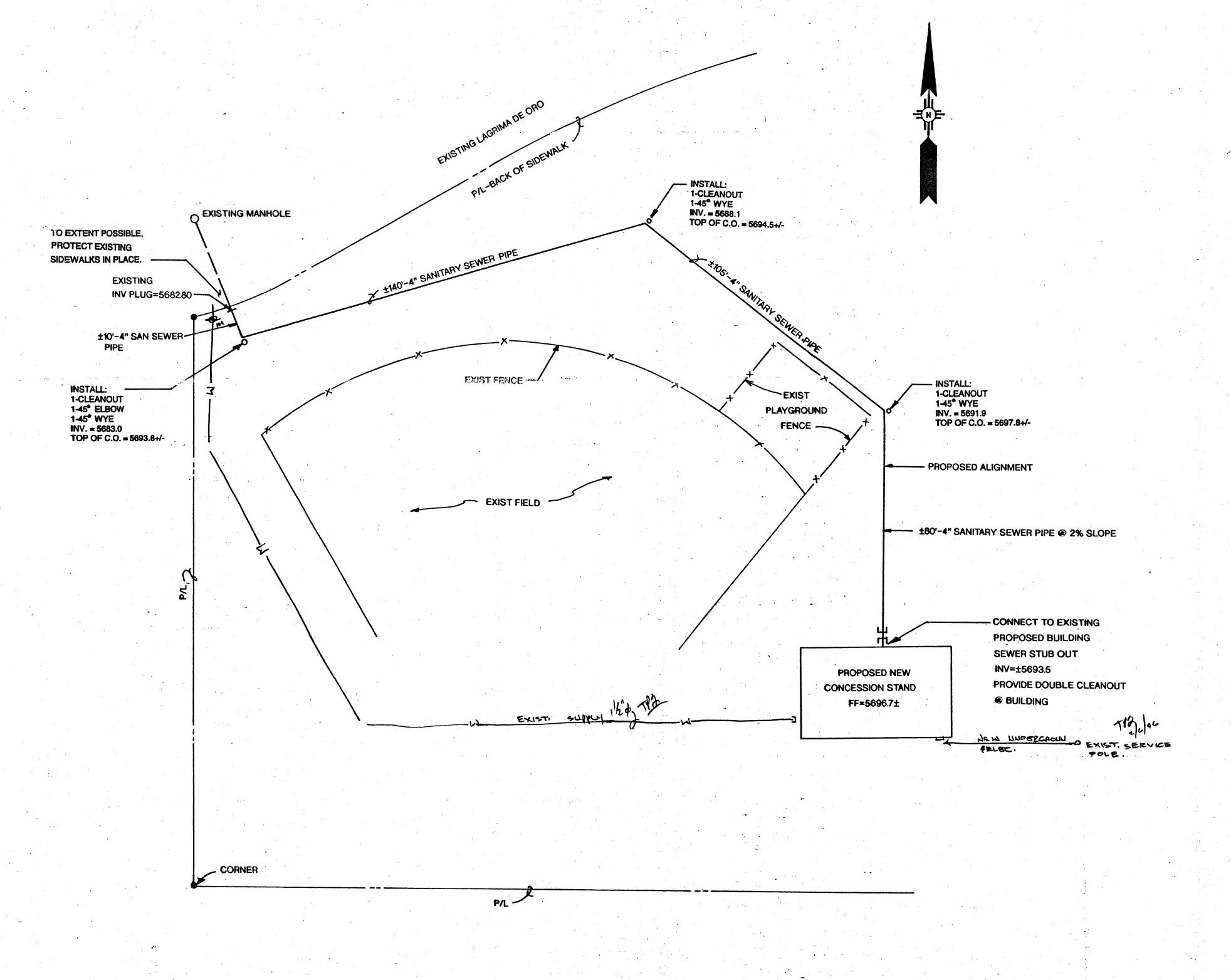
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NOTES

- 1. ALL WORK SHOWN ON THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH THE WITH THE IAPMO UNIFORM PLUMBING CODE.
- 2. FITTINGS SHALL BE CERTAIN TEED OR EQUIVALENT.
- 3. TOP ELEVATION OF THE CLEANOUTS SHALL BE SET 3" ABOVE GROUND GRADE, AND SET IN 18" X 18" X 6" DEEP CONCRETE (REINFORCED WITH WIRE MESH) COLLAR.

FURTHERMATION ON



