

CITY OF ALBUQUERQUE



November 17, 2016

Levi J. Valdez, PE
George T Rodriguez-Development Consultant
12800 San Juan Rd. SE
Albuquerque, NM 87123

**Re: Allied Plumbing
809 Locust Ave. SE
Request Permanent C.O. - Accepted
Engineer's Stamp dated: 1-20-16 (K15D096)
Certification dated: 11-10-16**

Dear Mr. Valdez,

Based on the Certification received 11/16/2016, the site is acceptable for release of Certificate of Occupancy by Hydrology.

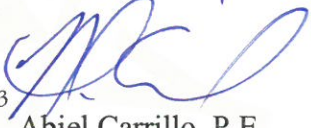
PO Box 1293

If you have any questions, you can contact me at 924-3986 or Totten Elliott at 924-3982.

Albuquerque

Sincerely,

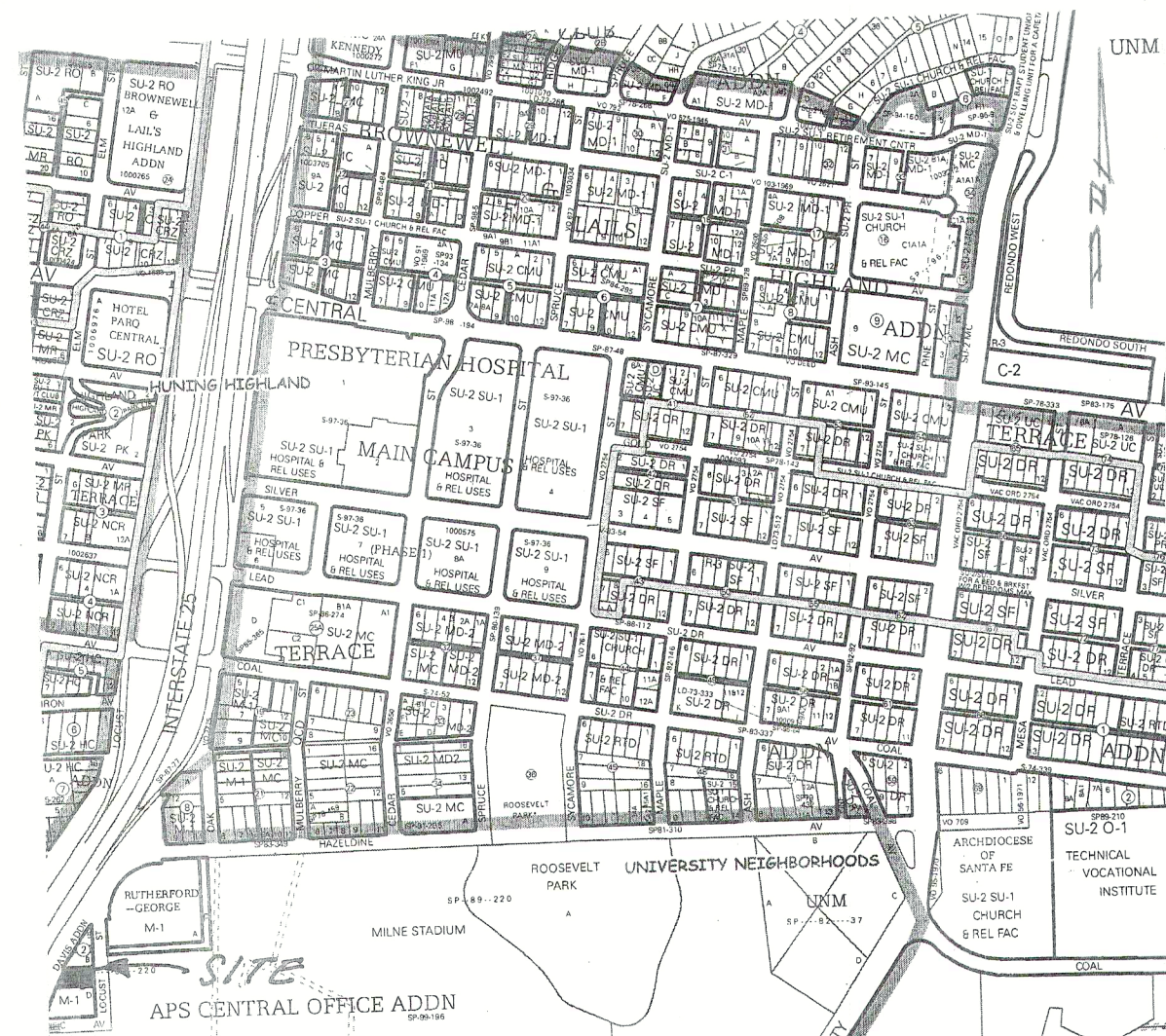
New Mexico 87103


Abiel Carrillo, P.E.
Principal Engineer, Planning Department
Development and Review Services

www.cabq.gov

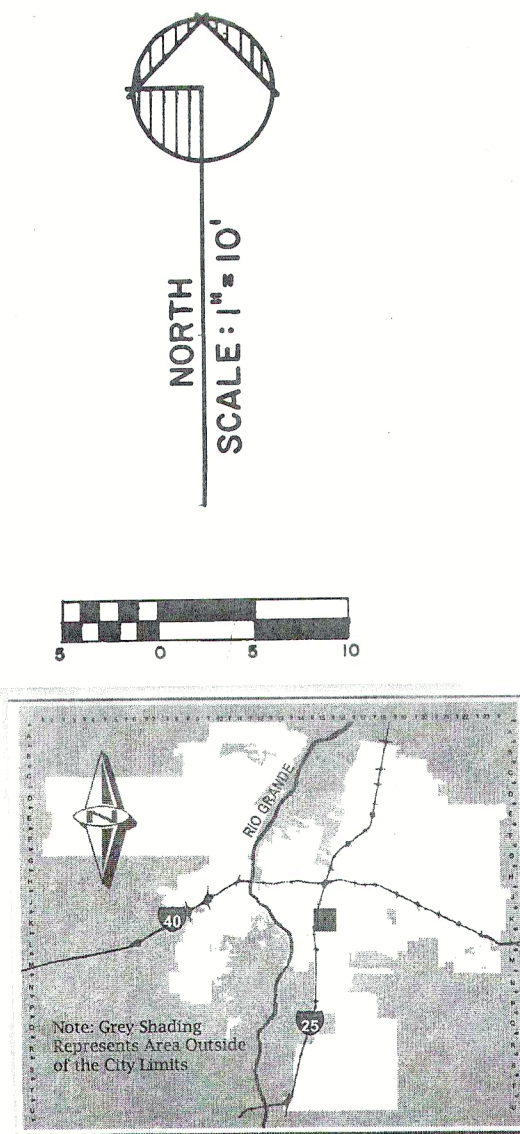
TE/AC

C: email Cordova, Camille C.; Miranda, Rachel; Sandoval, Darlene M.; Blocker, Lois

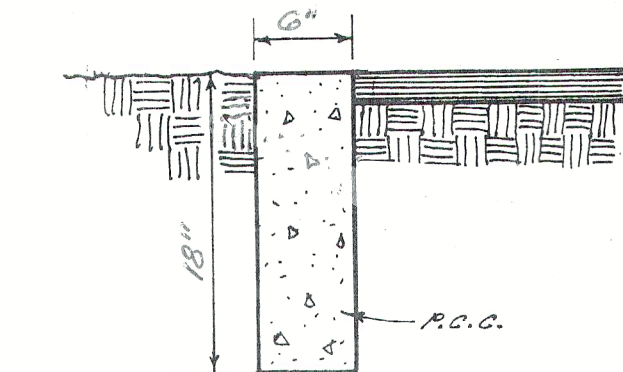


VICINITY MAP

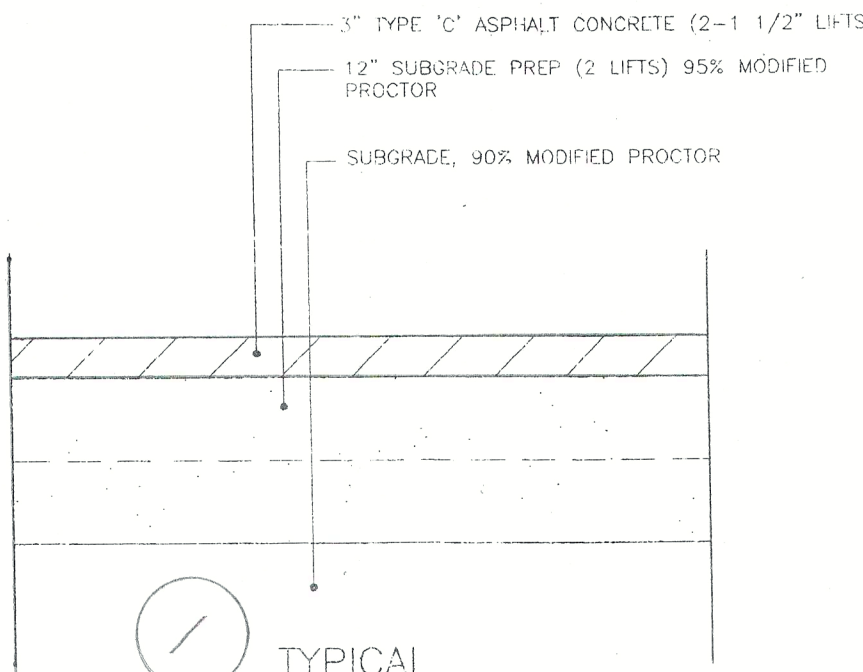
K-15-Z



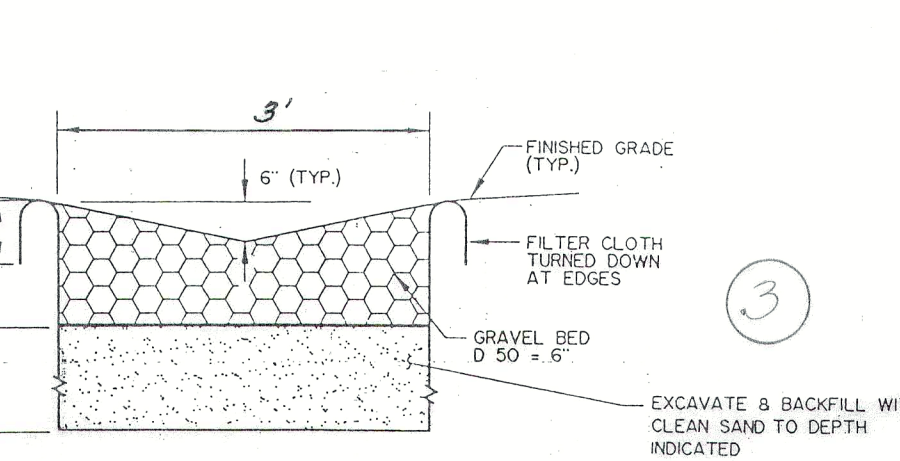
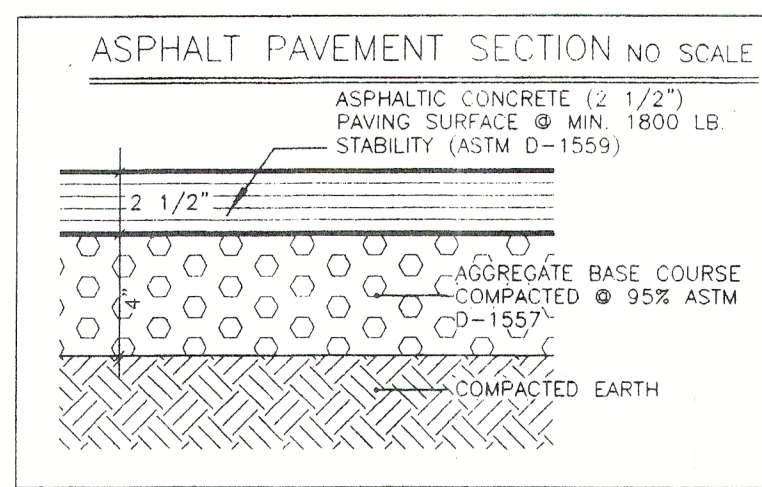
LOCATION MAP



CUT-OFF WALL
NO SCALE
(PER CITY STD. DWS. #2405)



TYPICAL PAVING SECTION
(N.T.S.) * REFER TO C.O.A. STD. SECTION #2405
NOTE: THE TOP 2 FEET OF SOIL MUST HAVE AN R VALUE GREATER THAN 50.



TYPICAL GRAVEL BED SECTION
NOT TO SCALE

DRAINAGE CERTIFICATION:

I, LEVI J. VALDEZ, N.M.P.E. NO. 5693, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED JANUARY 20, 2016. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR CERTIFICATE OF OCCUPANCY (PROPOSED).

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSES.

Levi J. Valdez
LEVI J. VALDEZ, N.M.P.E. NO. 5693
DATE 11-10-16



EROSION CONTROL MEASURES:

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUNOFF DURING CONSTRUCTION; HE SHALL ENSURE THAT THE FOLLOWING MEASURES ARE TAKEN:

- 1) ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION OF BERMS, DICES, SWALES, PONDS, AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUNOFF FROM LEAVING THE SUBJECT SITE AND ENTERING ADJACENT PROPERTIES.
- 2) ADJACENT PUBLIC RIGHT-OF-WAY SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUNOFF FROM THE SUBJECT SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER PUBLIC STREET RIGHT-OF-WAYS.
- 3) THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY AND ALL SEDIMENT FROM PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SUBJECT SITE AND DEPOSITED THEREON.

CONSTRUCTION NOTES:

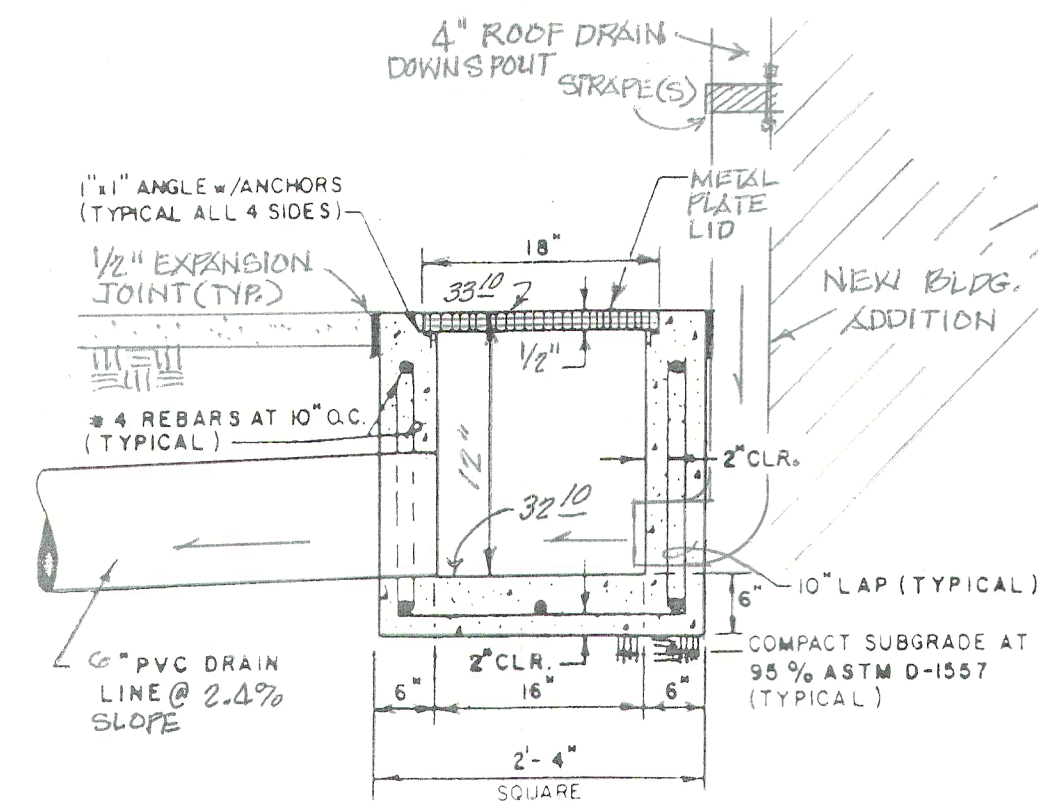
- 1) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 260-1990 FOR THE ACTUAL FIELD LOCATION OF THE EXISTING SURFACE OF SUB-SURFACE UTILITIES.
- 2) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
- 3) ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- 4) ALL CONSTRUCTION WITHIN PUBLIC STREET RIGHT-OF-WAY(S) SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE/BERNALILLO COUNTY STANDARDS AND PROCEDURES.

GENERAL NOTES:

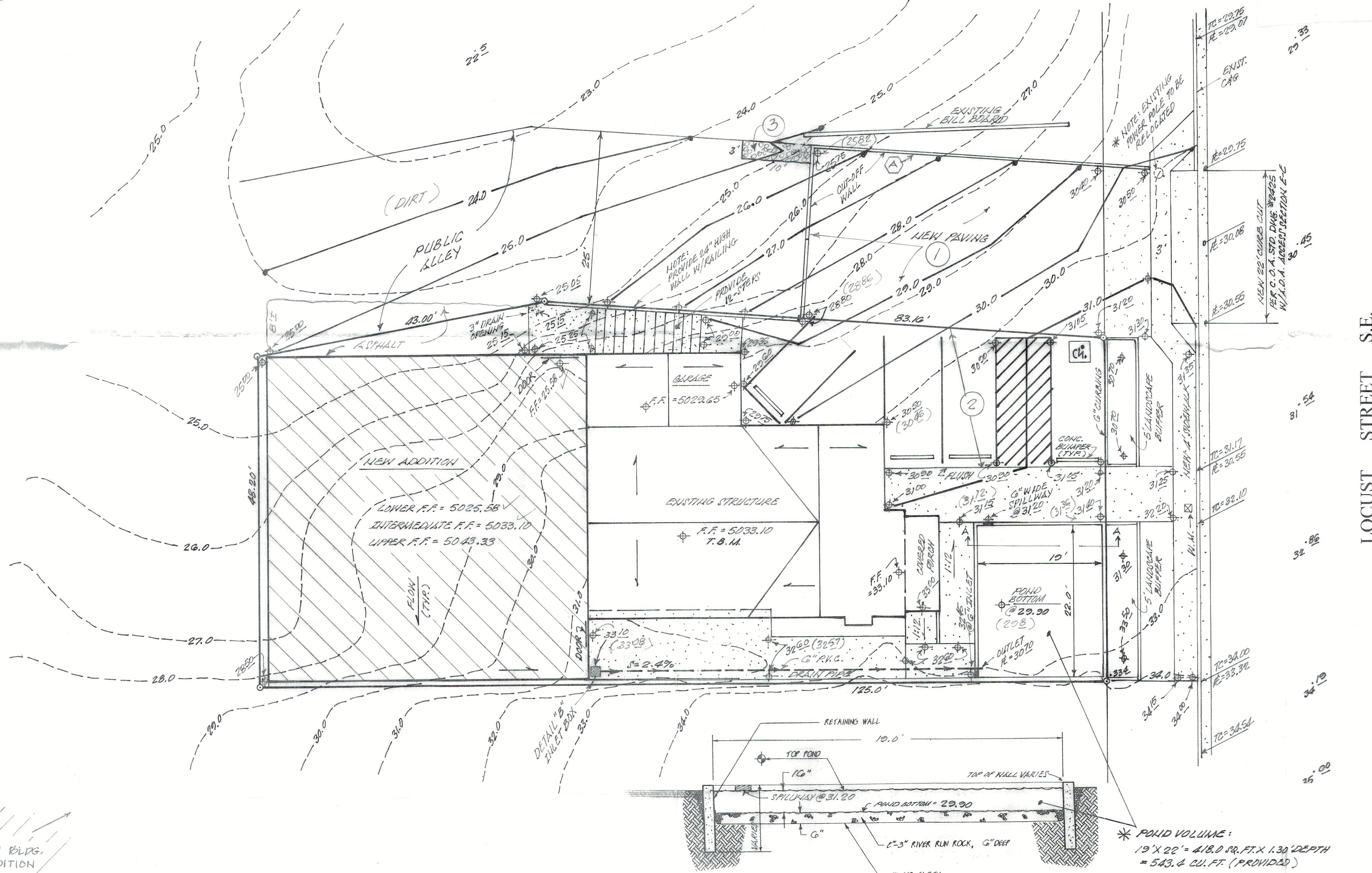
- 1) NO PERIMETER BOUNDARY CORNERS HAVE BEEN FIELD ESTABLISHED PER THIS SURVEY OF THE SUBJECT PROPERTY.
- 2) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD OTHER THAN SHOWN HEREON.

LEGEND:

TOP OF CURB ELEVATION = 70.34.00
CURB FLOWLINE ELEVATION = 70.33.33
EXISTING SPOT ELEVATION = 70.31.54
EXISTING CONTOUR ELEVATION = 26.0
PROPOSED SPOT ELEVATION = 26.50
PROPOSED CONTOUR ELEVATION = 25.0
PROPOSED OR EXISTING CONCRETE SURFACE =
EXISTING FENCE LINE =



B INLET DETAIL
NO SCALE



Drainage Facilities within City Right-of-Way Notice to Contractor

1. An excavation permit will be required before beginning any work within City Right-Of-Way.
2. 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.
3. Two working days prior to any excavation, the contractor must contact the line locating service, New Mexico One Call 260-1990, for the location of existing utilities.
4. Prior to construction, the contractor shall excavate and verify the locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
5. Backfill compaction shall be according to traffic/street use.
6. Maintenance of the facility shall be the responsibility of the owner of the property being served.
7. Work on arterial streets shall be performed on a 24-hour basis.

APPROVALS	NAME	DATE
HYDROLOGY INSPECTOR		

NOTE: ALL WORK WITHIN PUBLIC EASEMENT SHALL BE PERFORMED UNDER SEPARATE PERMIT.

Legal Description:

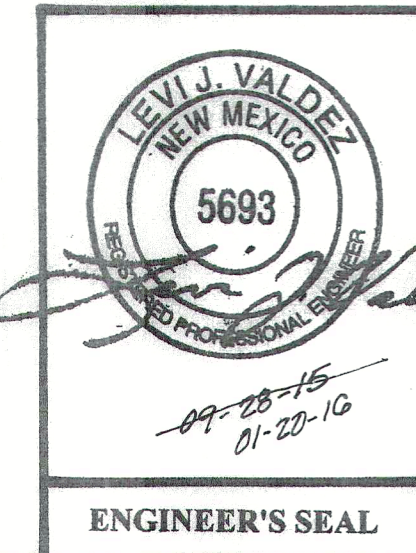
Lot Six (6), Block Two (2), DAVIS ADDITION, Albuquerque, New Mexico.

Bench Mark Reference:

A.C.S. Station "G-10", (N.A.V.D. 1988), Elevation = 4980.32; T.B.M. as shown on plan hereon.

Note: Provide new 25.0' wide concrete Driveway per C.O.A. Std. Dwg. No. 2425.

11-10-16
(ENGINEER'S CERTIFICATION)



LOCUST STREET S.E.

Drainage Comments:

As shown on the Vicinity Map hereon, the subject site is located on the West side, Locust Street S.E., East of Interstate Hwy. 25, and South of Hazelde Avenue S.1 the City of Albuquerque, New Mexico. (City Zone Atlas Map "K-15-Z")

The subject site is presently an partially developed lot; the proposed plan as shown is to construct a warehouse addition to the existing structure with associated improvements thereon.

The subject site, 1.) does not lie within a designated floodplain, nor does it have downstream flooding conditions (Re: F.E.M.A. Firm Panel 334 of 825). 2.) does not contribute 1 offsite flows to adjacent properties to the North (City of Albuquerque Public Alley N.M.D.O.T. property). 4.) does not lie adjacent to a natural or artificial water course will allow for the "First Flush" of new developed flows on-site and the minimizing "historic flows" from the subject property, (these flows do not and will not have an adverse impact to downstream properties).

Drainage Calculations:

Per Section 22.2, Hydrology of the Development Process Manual, Volume 2, Des Criteria for the City of Albuquerque, Bernalillo County, New Mexico.

SITE AREA = .015 ACRE ZONE: TWO (2)

PRECIPITATION: 360 = 2.35 in.
1440 = 2.75 in.
10day = 3.95 in.

EXCESS PRECIPITATION:	PEAK DISCHARGE:
TREATMENT A 0.53 in.	1.56 cfs/ac.
TREATMENT B 0.78 in.	2.28 cfs/ac.
TREATMENT C 1.13 in.	3.14 cfs/ac.
TREATMENT D 2.12 in.	4.70 cfs/ac.

EXISTING CONDITIONS:	PROPOSED CONDITIONS:
TREATMENT A AREA 0.00 ac.	AREA 0.00 ac.
TREATMENT B AREA 0.00 ac.	AREA 0.00 ac.
TREATMENT C AREA 0.11 ac.	AREA 0.03 ac.
TREATMENT D AREA 0.04 ac.	AREA 0.12 ac.

EXISTING EXCESS PRECIPITATION:

Weighted E = (0.53)(0.00) + (0.78)(0.00) + (1.13)(0.11) + (2.12)(0.04) = 0.15
= 1.33 in.
V100-360 = (1.33)(0.15) / 12 = 0.016625 ac-ft = 724.2 cf

EXISTING PEAK DISCHARGE:

Q100 = (1.56)(0.00) + (2.28)(0.00) + (3.14)(0.11) + (4.70)(0.04) = 0.54 cfs

PROPOSED EXCESS PRECIPITATION:

Weighted E = (0.53)(0.00) + (0.78)(0.00) + (1.13)(0.03) + (2.12)(0.12) = 0.15
= 1.87 in.
V100-360 = (1.87)(0.15) / 12.0 = 0.023380 ac-ft = 1,018.2 cf

V100-1440 = (0.05) + (0.07)(3.10 - 2.60) / 12 = 0.05292 ac-ft = 2,305.0 cf

V100-10day = (0.05) + (0.07)(4.90 - 2.60) / 12 = 0.06342 ac-ft = 2,762.4 cf

PROPOSED PEAK DISCHARGE:

Q100 = (1.56)(0.00) + (2.28)(0.00) + (3.14)(0.03) + (4.70)(0.12) = 0.65 cfs

INCREASE: V100-360 = 294.0 cf
Q100 = 0.11 cfs

*"FIRST FLUSH STORM VOLUME": 0.34" X IMPERVIOUS AREA.
IMPERVIOUS AREA = 5,176.0 SQ. FT.
0.34" (0.03") X 5,176.0 = 155.3 CU. FT.

A PROPOSED
GRADING AND DRAINAGE PLAN
FOR A BUILDING ADDITION TO
ALLIED PLUMBING FACILITIES
(809 LOCUST AVENUE S.E.)
ALBUQUERQUE, NEW MEXICO



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 1/2016)

Project Title: ALLIED PLUMBING @ LOCUST S.E. Building Permit #: _____ Hydrology File #: K15D096
DRB#: _____ EPC#: _____ Work Order#: _____
Legal Description: LOT G, BLOCK 2, DAVIS ADDITION
City Address: 809 LOCUST AVENUE, S.E.

Applicant: DERRON HAVENOR - ALLIED PLUMBING Contact: DERRON HAVENOR
Address: 809 LOCUST AVENUE, S.E., ALBUQUERQUE, NEW MEXICO,
Phone#: 505-296-7742 Fax#: _____ E-mail: AlliedPlumber@co
Other Contact: GEORGE T. RODRIGUEZ - CONSULTANT Contact: GEORGE RODRIGUEZ
Address: 12800 SAN JUAN N.E., ALBUQUERQUE, NEW MEXICO 87123
Phone#: 505-610-0593 Fax#: _____ E-mail: gawrod@hotmail

Check all that Apply:

DEPARTMENT:

- ☒ HYDROLOGY/ DRAINAGE
☐ TRAFFIC/ TRANSPORTATION
☐ MS4/ EROSION & SEDIMENT CONTROL

TYPE OF SUBMITTAL:

- ☒ AS-BUILT CERTIFICATION

☐ CONCEPTUAL G & D PLAN
☐ GRADING PLAN
☐ DRAINAGE MASTER PLAN
☐ DRAINAGE REPORT
☐ CLOMR/LOMR

☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ TRAFFIC IMPACT STUDY (TIS)
☐ NEIGHBORHOOD IMPACT ASSESMENT (NIA)

☐ EROSION & SEDIMENT CONTROL PLAN (ESC)
☐ OTHER (SPECIFY) _____

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☐ BUILDING PERMIT APPROVAL
☒ CERTIFICATE OF OCCUPANCY
☐ GRADING/ESC PERMIT APPROVAL

☐ PRELIMINARY PLAT APPROVAL
☐ SITE PLAN FOR SUB'D APPROVAL
☐ SITE PLAN FOR BLDG. PERMIT APPROVAL
☐ FINAL PLAT APPROVAL

☐ SIA/ RELEASE OF FINANCIAL GUARANTEE
☐ FOUNDATION PERMIT APPROVAL
☐ SO-19 APPROVAL
☐ PAVING PERMIT APPROVAL
☐ GRADING/ PAD CERTIFICATION
☐ WORK ORDER APPROVAL
☐ CLOMR/LOMR

☒ PRE-DESIGN MEETING?

☐ OTHER (SPECIFY) _____

IS THIS A RESUBMITTAL?: ☒ Yes ☐ No

DATE SUBMITTED: 11-10-14 By: GEORGE T. RODRIGUEZ - CONSULTANT

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: _____

FEE RECEIVED: _____