PUBLIC WORKS/HYDROLOGY

F16/D11

0000 0000 0263

F16/D11

25×10

0000 0000 0264

CITY OF
Albuquerque
Public Works Department

Martin J. Chávez, Mayor

Robert E. Gurulé, Director

January 29,1997

Dave Larrow
Holmes & Narver, Inc.
6501 Americas Parkway NE Suite 700
Albuquerque, New Mexico 87110

RE: REVISED ENGINEER CERTIFICATION FOR THE JATC BUILDING (F16-D11)
ENGINEER'S CERTIFICATION STATEMENT DATED 1/23/97

Dear Mr. Larrow:

Based on the information provided on your January 27,1997 resubmittal, Engineer Certification for the above referenced site is acceptable.

If I can be of further assistance, please feel free to contact me at 924-3986.

C: Andrew Garcia

Sincerely

Bernie J. Montoya

Bernie J. Montoya CE
Engineering Associate

25×10

0000 0000 0265

PROJECT TITLE: JATC Bldg ZONE ATLAS/DRNG. FILE #: F-16/D011

DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: Lots 1 and 1-A-1, Block 1, Sundt & Industrial Center, Sections 33+34, T11N, R3E

CITY ADDRESS: Montbel Pl NE

ENGINEERING FIRM: Holmes & Narver Inc CONTACT: Dave Larrow

ADDRESS: 6501 Americas Pkwy NE, Ste 700 87110 PHONE: 889-4174

OWNER: JATC CONTACT: Chris Padilla

ADDRESS: 2801 Girard NE PHONE: 271-1323

ARCHITECT: Holmes and Narver Inc CONTACT: Tafazzul Hussain

ADDRESS: 6501 Americas Pkwy NE Ste 700 PHONE: 889-4305

SURVEYOR: Aldrich Land Surveying CONTACT: Tim Aldrich

ADDRESS: P.O. Box 30701, City 87190 PHONE: 884-1990

CONTRACTOR: Henderson Construction CONTACT: Roger Hendrick

ADDRESS: 10100 Trumbull SE PHONE: 292-8955

TYPE OF SUBMITTAL:

____ DRAINAGE REPORT
✓ DRAINAGE PLAN
____ CONCEPTUAL GRADING & DRAINAGE PLAN
____ GRADING PLAN
____ EROSION CONTROL PLAN
____ ENGINEER'S CERTIFICATION
____ OTHER

PRE-DESIGN MEETING:

____ YES
✓ NO
____ COPY PROVIDED

Rec'd 1/23/97

RECEIVED JAN 27 1997 HYDROLOGY SECTION

CHECK TYPE OF APPROVAL SOUGHT:

____ SKETCH PLAT APPROVAL
____ PRELIMINARY PLAT APPROVAL
____ S. DEV. PLAN FOR SUB'D. APPROVAL
____ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
____ SECTOR PLAN APPROVAL
____ FINAL PLAT APPROVAL
____ FOUNDATION PERMIT APPROVAL
____ BUILDING PERMIT APPROVAL
✓ CERTIFICATE OF OCCUPANCY APPROVAL
____ GRADING PERMIT APPROVAL
____ PAVING PERMIT APPROVAL
____ S.A.D. DRAINAGE REPORT
____ DRAINAGE REQUIREMENTS
____ OTHER _____ (SPECIFY)

DATE SUBMITTED: 1-23-97

BY: David J Larrow

25 × 10

0000 0000 0266

CITY OF
Albuquerque
Public Works Department

Martin J. Chávez, Mayor

Robert E. Gurulé, Director

January 17, 1997

Dave Larrow
Holmes & Narver, Inc.
6501 Americas Parkway NE Suite 700
Albuquerque, NM 87110

RE: ENGINEER CERTIFICATION FOR THE JATC BUILDING (F16-D11)
CERTIFICATION STATEMENT DATED 1/7/97

Dear Mr. Larrow:

Based on the information provided on your January 7,1997 submittal, Engineer Certification for the above referenced site is not acceptable because of the following reasons:

1. Your legend must identify what designation you are using for as-builts.
2. As-built pond capacities.
3. Copy of the approved SO19 tag.

If I can be of further assistance, please feel free to contact me at 924-3986.

C: Andrew Garcia

Sincerely

Bernie J Montoya

Bernie J. Montoya C.E.
Engineering Associate

25×10

0000 0000 0267

CITY OF
Albuquerque

August 6, 1996

Martin J. Chávez, Mayor

Dave Larrow
Holmes & Narver, Inc.
6501 Americas Parkway NE Suite 700
Albuquerque, NM 87110

RE: REVISED DRAINAGE PLAN FOR THE JATC BUILDING (F16-D11) REVISION DATED 7/31/96.

Dear Mr. Larrow:

Based on the information provided on your July 31, 1996 resubmittal, the above referenced site is approved for Building Permit.

Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

A separate permit is required for construction within City Right-of-Way. A copy of this approval letter must be on hand when applying for the excavation permit.

Prior to Certificate of Occupancy release, Engineer Certification per the D.P.M. checklist will be required.

If I can be of further assistance, please feel free to contact me at 768-2667.

Sincerely,

Bernie J. Montoya, CE
Engineering Associate

BJM/dl

c: Andrew Garcia
Arlene Portillo
File

25×10

0000 0000 0268

PROJECT TITLE: JATC Bldg ZONE ATLAS/DRNG. FILE #: F-16 / K11

DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: Lots 1 and 1-A-1, Block 1, Sundt's Industrial Center, Sections 33+34, T11N, R3E

CITY ADDRESS: Montbel Pl NE

ENGINEERING FIRM: Holmes & Narver Inc CONTACT: Dave Larrow

ADDRESS: 6501 Americas Pkwy NE, Ste 700 87110 PHONE: 889-4174

OWNER: JATC CONTACT: Chris Padilla

ADDRESS: 2801 Girard NE PHONE: 271-1323

ARCHITECT: Holmes and Narver Inc CONTACT: Tafazzul Hussain

ADDRESS: 6501 Americas Pkwy NE Ste 700 PHONE: 889-4305

SURVEYOR: Aldrich Land Surveying CONTACT: Tim Aldrich

ADDRESS: P.O. Box 30701, City 87190 PHONE: 884-1990

CONTRACTOR: Henderson Construction CONTACT: Roger Hendrick

ADDRESS: 10100 Trumbull SE PHONE: 292-8955

TYPE OF SUBMITTAL:

- ____ DRAINAGE REPORT
- ✓ DRAINAGE PLAN
- ____ CONCEPTUAL GRADING & DRAINAGE PLAN
- ____ GRADING PLAN
- ____ EROSION CONTROL PLAN
- ____ ENGINEER'S CERTIFICATION
- ____ OTHER

PRE-DESIGN MEETING:

- ____ YES
- ✓ NO
- ____ COPY PROVIDED

4501 Monte Bell Loop NE
30 day temporary 1/8/97

CHECK TYPE OF APPROVAL SOUGHT:

- ____ SKETCH PLAT APPROVAL
- ____ PRELIMINARY PLAT APPROVAL
- ____ S. DEV. PLAN FOR SUB'D. APPROVAL
- ____ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
- ____ SECTOR PLAN APPROVAL
- ____ FINAL PLAT APPROVAL
- ____ FOUNDATION PERMIT APPROVAL
- ____ BUILDING PERMIT APPROVAL
- ✓ CERTIFICATE OF OCCUPANCY APPROVAL
- ____ GRADING PERMIT APPROVAL
- ____ PAVING PERMIT APPROVAL
- ____ S.A.D. DRAINAGE REPORT
- ____ DRAINAGE REQUIREMENTS
- ____ OTHER (SPECIFY)

RECEIVED JAN - 7 1997 HYDROLOGY

DATE SUBMITTED: 1-7-97

BY: David J Larrow

25 x 10

0000 0000 0269

JACK B. Henderson CONSTRUCTION CO., INC.
GENERAL CONTRACTOR

CITY OF ALBUQUERQUE

DATE	1/28/97
	BERNIE J. MONTOYA C.E.
JOB NO.	JATC
RE:	

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover

SUBMITTAL NO.

☐ Shop Drawings ☐ Copy of letter

☒ Catalog data ☐ Plans

☐ Samples ☐ Other

COPIES	DATE		SPEC.SECT.
1	1/28/97		PERMIT AND SO 19 TAG

JACK B. HENDERSON CONSTR., CO., INC.

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval

☒ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution

☐ As requested ☐ Returned for corrections ☐ Return 3

☐ For review and comment ☐ Other

RECEIVED JAN 27 1997 HYDROLOGY SECTION

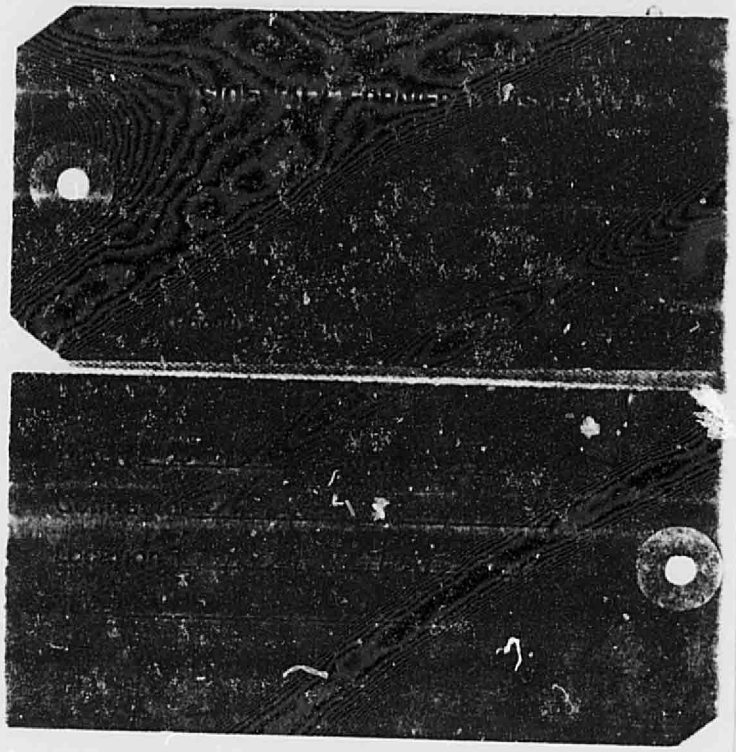
REMARKS

BY: Roger Hendrick

P.O. BOX 53176 ALBUQUERQUE, NEW MEXICO 87153 / 10100 TRUMBULL, S.E. TELPHONE 292-8955 / FAX 294-2162

25 × 10

0000 0000 0270



RECEIVED
JAN 27 1997
HYDROLOGY SECTION

CITY OF ALBUQUERQUE
PERMIT FOR EXCAVATION, CONSTRUCTION AND BARRICADING

UNIVERSAL SUNDIA
GA-B 2
PO BOX 6008, STATION B
ALB., NM 87107
884-6400

4501 MONTBEL PL NE

PERMIT AND DETOUR PLAN COMMENTS
2-CC S 60' EA.: 2-VG 60' EA.: SW 52
2-SD19'S: 10/28 - 11/15
APPROVAL B. SANDOVAL

PERMIT NUMBER
PERMIT ISSUED DATE
BARRICADING
TIME

PAVING BY
BASE COURSE 443008-5810000
SIDEWALK 443012-5810000
DRIVEPAD 443011-5810000
CURB/GUTTER 443010-5810000
BARRICADING 443009-5810000
RESTORATION 461601-8233000
TOTAL FEE

AC 84-86
AE
SOW 4-8
DSM

42.00
180.00
0.00
74.00
0.00
0.00
296.00

START DATE	COMPLETION DATE	PERMIT EXPIRES	INSURANCE EXPIRES	BOND EXPIRES	ZONE ATLAS
10/24/96	11/15/96	11/15/96	11/30/96	City Of Albuquerque Treasury Division	THANK YOU

APPLICANT

ISSUED BY

VOID UNTIL VALIDATED BY CITY TREASURER

DATE 10/25/96 TIME 10:
WS#004 TRANS#0023 TRSAZL
RECPT#00001377-00001377
PERMIT#9848810
AC 296.00 CHG 0.00

PERMITTEE AGREES TO ASSUME ALL LIABILITY, INCLUDING INDEMNIFYING, DEFENDING AND HOLDING THE CITY HARMLESS FOR ALL DAMAGES OR INJURY TO PERSONS OR PROPERTY RESULTING FROM PERMITTEE'S EXCAVATION AND/OR BARRICADE WORK. THIS PERMIT IS GRANTED IN CONSIDERATION OF PERMITTEE'S ASSUMING SAID LIABILITY AND IS APPROVED FOR THE WORK DESCRIBED ABOVE. IN ACCORDANCE WITH ARTICLES 8-6 AND 8-7 R.O., 1974, PERMITTEE AGREES TO COMPLY WITH ALL APPLICABLE CITY RULES, REGULATIONS AND ORDINANCES, AND WHEN EXCAVATING, TO PATCH OR PLATE PRIOR TO OPENING TO TRAFFIC IN ACCORDANCE WITH APPLICABLE RULES, REGULATIONS AND ORDINANCES. PLEASE CALL 768-2551 FOR ADDITIONAL INFORMATION.

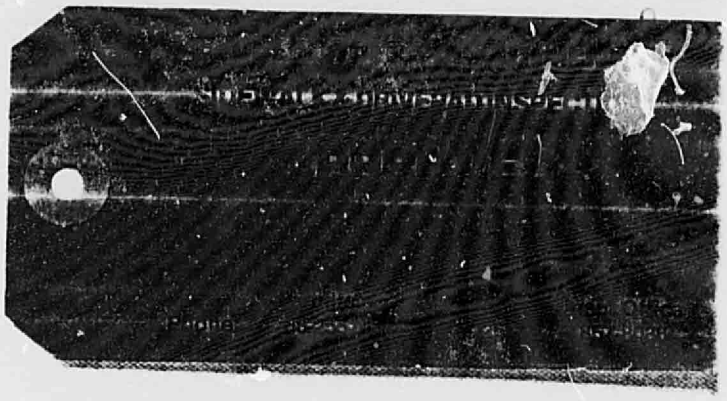
CAUTION: PROTECT UNDERGROUND UTILITIES CALL 765-1234, 48 HOURS IN ADVANCE FOR LINE STAKING

PWD 003 REV 11/88

25×10

0000 0000 0271

OF THE ORIGINAL DOCUMENT



RECEIVED
JAN 27 1997
HYDROLOGY SECTION

CITY OF ALBUQUERQU
PERMIT FOR EXCAVATION, CONSTRUCTION AND BARRICADING

UNIVERSAL CONSTR.
BARB
302 6006, STATION B
ALB., NM 87107

4501 MONTBEL PL NE

PERMIT AND DESIGN REVIEW COMMENTS
2-CC'S 60' EA.: 2-VG 60' EA.: SW 52
2-SD19'S: 10/28 - 11/15
APPROVAL B. SANDOVAL

PERMIT ISSUE STATE
BARRICADED BY
BLUE STAKE
PAVING BY
EXCAVATION 443008-5810000
SIDEWALK 443012-5810000
DRIVEPAD 443011-5810000
CURB/GUTTER 443010-5810000
BARRICADING 443009-5810000
RESTORATION 461601-8233000
TOTAL FEE

10/24/96
AB
000488
CON

	42.00
	180.00
	0.00
	74.00
	0.00
	0.00
TOTAL FEE	296.00

START DATE	COMPLETION DATE	PERMIT EXPIRES	INSPECTION EXPIRES	BOND EXPIRES	ZONE MAP
10/24/96	11/15/96	11/15/96	11/30/96	City Of Albuquerque Treasury Division 12/31/96	THANK YOU

APPLICANT

ISSUED BY

VOID UNTIL VALIDATED BY CITY TREASURER
WSH004 TRANSH0023 TRSAZL
RECPT#00001377-00001377
PERMIT#9846610 $296.00
MC 296.00 CHG 0.00

PERMITTEE AGREES TO ASSUME ALL LIABILITY, INCLUDING INDEMNIFYING, DEFENDING AND HOLDING THE CITY HARMLESS FOR ALL DAMAGES OR INJURY TO PERSONS OR PROPERTY RESULTING FROM PERMITTEE'S EXCAVATION AND/OR BARRICADE WORK. THIS PERMIT IS GRANTED IN CONSIDERATION OF PERMITTEE'S ASSUMING SAID LIABILITY AND IS APPROVED FOR THE WORK DESCRIBED ABOVE. IN ACCORDANCE WITH ARTICLES 8-6 AND 8-7 R.O., 1974, PERMITTEE AGREES TO COMPLY WITH ALL APPLICABLE CITY RULES, REGULATIONS AND ORDINANCES, AND WHEN EXCAVATING, TO PATCH OR PLATE PRIOR TO OPENING TO TRAFFIC IN ACCORDANCE WITH APPLICABLE RULES, REGULATIONS AND ORDINANCES. PLEASE CALL 768-2551 FOR ADDITIONAL INFORMATION.

CAUTION: PROTECT UNDERGROUND UTILITIES CALL 765-1234, 48 HOURS IN ADVANCE FOR LINE STAKING

PWD 003 REV 11/88

25×10

0000 0000 0272

OF THE ORIGINAL DOCUMENT

HOLMES & NARVER INC 97 1:12PM 505 891 2162 Roger Frederick 891-2162

CITY OF
Albuquerque
Public Works Department

Martin J. Chavez, Mayor

January 17, 1997

Robert E. Gurulé, Director

Dave Larrow
Holmes & Narver, Inc.
6501 Americas Parkway NE Suite 700
Albuquerque, NM 87110

RE: ENGINEER CERTIFICATION FOR THE JATC BUILDING (F16-D11)
CERTIFICATION STATEMENT DATED 1/7/97

Dear Mr. Larrow:

Based on the information provided on your January 7,1997 submittal, Engineer Certification for the above referenced site is not acceptable because of the following reasons:

1. Your legend must identify what designation you are using for as-builts.
2. As-built pond capacities.
3. Copy of the approved SO19 tag.

If I can be of further assistance, please feel free to contact me at 924-3986.

C: Andrew Garcia

Sincerely

Bernie J Montoya

Bernie J. Montoya C.E.
Engineering Associate

25 x 10

0000 0000 0273

PROJECT TITLE: JATC Bldg ZONE ATLAS/DRNG. FILE #: F-16/W11

DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: Lots 1 and 1-A 1, Block 1, S and 4 Industrial Center, Sections 33+34, T11N, R3E

CITY ADDRESS: Montbel Pl NE

ENGINEERING FIRM: Holmes & Narver Inc CONTACT: Dave Larrow

ADDRESS: 6501 Americas Pkwy NE, Ste 700 87110 PHONE: 889-4174

OWNER: JATC CONTACT: Chris Padilla

ADDRESS: 2801 Girard NE PHONE: 271-1323

ARCHITECT: Holmes and Narver Inc CONTACT: Tafazzul Hussain

ADDRESS: 6501 Americas Pkwy NE Ste 700 PHONE: 889-4305

SURVEYOR: Aldrich Land Surveying CONTACT: Tim Aldrich

ADDRESS: P.O. Box 30701, City 87190 PHONE: 884-1990

CONTRACTOR: Henderson Construction CONTACT: Roger Hendrick

ADDRESS: 10100 Trumbull SE PHONE: 292-8955

TYPE OF SUBMITTAL:

____ DRAINAGE REPORT
✓ DRAINAGE PLAN
____ CONCEPTUAL GRADING & DRAINAGE PLAN
____ GRADING PLAN
____ EROSION CONTROL PLAN
____ ENGINEER'S CERTIFICATION
____ OTHER

PRE-DESIGN MEETING:

____ YES
✓ NO
____ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

____ SKETCH PLAT APPROVAL
____ PRELIMINARY PLAT APPROVAL
____ S. DEV. PLAN FOR SUB'D. APPROVAL
____ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
____ SECTOR PLAN APPROVAL
____ FINAL PLAT APPROVAL
____ FOUNDATION PERMIT APPROVAL
✓ BUILDING PERMIT APPROVAL
____ CERTIFICATE OF OCCUPANCY APPROVAL
____ GRADING PERMIT APPROVAL
____ PAVING PERMIT APPROVAL
____ S.A.D. DRAINAGE REPORT
____ DRAINAGE REQUIREMENTS
____ OTHER _____ (SPECIFY)

DATE SUBMITTED: 7-3-96

BY: David J Larrow

RECEIVED JUL - 3 1996

25 × 10

0000 0000 0274

CITY OF
Albuquerque

July 10, 1996

Martin J. Chávez, Mayor

Dave Larrow
Holmes & Narver, Inc.
6501 Americas Parkway NE Suite 700
Albuquerque, NM 87110

RE: DRAINAGE PLAN FOR JATC BUILDING (F16-D11) ENGINEER'S STAMP DATED 7/2/96.

Dear Mr. Larrow:

Based on the information provided on your July 3, 1996 submittal, we are unable to continue our review based on the fact that the approved Master Drainage Plan (F16-D3) has not been followed. The allowable discharge into the street is 0.1 cfs/acre.

If you have any further questions, please feel free to contact me at 768-2667.

Sincerely,

Bernie J. Montoya

Bernie J. Montoya, CE
Engineering Associate

BJM/dl

c: Andrew Garcia
Chris Padilla
File

25 × 10

0000 0000 0275

DRAINAGE INFORMATION SHEET

PROJECT TITLE: JATC Bldg ZONE ATLAS/DRNG. FILE #: F-16/A11

DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: Lots 1 and 1-A-1, Block 1, Sundt's Industrial Center, Sections 33 & 34, T11N, R3E

CITY ADDRESS: Montbel Pl NE

ENGINEERING FIRM: Holmes & Narver Inc CONTACT: Dave Larrow

ADDRESS: 6501 Americas Pkwy NE, Ste 700 87110 PHONE: 889-4174

OWNER: JATC CONTACT: Chris Padilla

ADDRESS: 2801 Girard NE PHONE: 271-1323

ARCHITECT: Holmes and Narver Inc CONTACT: Tafazzul Hussain

ADDRESS: 6501 Americas Pkwy NE Ste 700 PHONE: 889-4305

SURVEYOR: Aldrich Land Surveying CONTACT: Tim Aldrich

ADDRESS: P.O. Box 30701, City 871[illegible] PHONE: 884-1990

CONTRACTOR: Henderson Construc[illegible] CONTACT: Roger Hendrick

ADDRESS: 10100 Trumbull SE PHONE: 292-8955

TYPE OF SUBMITTAL:

____ DRAINAGE REPORT
✓ DRAINAGE PLAN
____ CONCEPTUAL GRADING & DRAINAGE PLAN
____ GRADING PLAN
____ EROSION CONTROL PLAN
____ ENGINEER'S CERTIFICATION
____ OTHER

PRE-DESIGN MEETING:

____ YES
✓ NO
____ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

____ SKETCH PLAT APPROVAL
____ PRELIMINARY PLAT APPROVAL
____ S. DEV. PLAN FOR SUB'D. APPROVAL
____ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
____ SECTOR PLAN APPROVAL
____ FINAL PLAT APPROVAL
____ FOUNDATION PERMIT APPROVAL
✓ BUILDING PERMIT APPROVAL
____ CERTIFICATE OF OCCUPANCY APPROVAL
____ GRADING PERMIT APPROVAL
____ PAVING PERMIT APPROVAL
____ S.A.D. DRAINAGE REPORT
____ DRAINAGE REQUIREMENTS
____ OTHER _____ (SPECIFY)

DATE SUBMITTED: 7-31-96

BY: David J Larrow

JUL 31 1996

25×10

0000 0000 0276

DRAINAGE INFORMATION SHEET

PROJECT TITLE: JATC Bldg ZONE ATLAS/DRNG. FILE #: F-16/A11

DRB #: EPC #: WORK ORDER #:

LEGAL DESCRIPTION: Lots 1 and 1-A-1, Block 1, Sundt & Industrial Center, Sections 33+34, T11N, R3E

CITY ADDRESS: Montbel Pl NE

ENGINEERING FIRM: Holmes & Narver Inc CONTACT: Dave Larrow

ADDRESS: 6501 Americas Pkwy NE, Ste 700 87110 PHONE: 889-4174

OWNER: JATC CONTACT: Chris Padilla

ADDRESS: 2801 Girard NE PHONE: 271-1323

ARCHITECT: Holmes and Narver Inc CONTACT: Tafazzul Hussain

ADDRESS: 6501 Americas Pkwy NE Ste 700 PHONE: 889-4305

SURVEYOR: Aldrich Land Surveying CONTACT: Tim Aldrich

ADDRESS: P.O. Box 30701, City 87190 PHONE: 884-1990

CONTRACTOR: Henderson Construction CONTACT: Roger Hendrick

ADDRESS: 10100 Trumbull SE PHONE: 292-8955

TYPE OF SUBMITTAL:

- ____ DRAINAGE REPORT
- ✓ DRAINAGE PLAN
- ____ CONCEPTUAL GRADING & DRAINAGE PLAN
- ____ GRADING PLAN
- ____ EROSION CONTROL PLAN
- ____ ENGINEER'S CERTIFICATION
- ____ OTHER

PRE-DESIGN MEETING:

- ____ YES
- ✓ NO
- ____ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

- ____ SKETCH PLAT APPROVAL
- ____ PRELIMINARY PLAT APPROVAL
- ____ S. DEV. PLAN FOR SUB'D. APPROVAL
- ____ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
- ____ SECTOR PLAN APPROVAL
- ____ FINAL PLAT APPROVAL
- ____ FOUNDATION PERMIT APPROVAL
- ✓ BUILDING PERMIT APPROVAL
- ____ CERTIFICATE OF OCCUPANCY APPROVAL
- ____ GRADING PERMIT APPROVAL
- ____ PAVING PERMIT APPROVAL
- ____ S.A.D. DRAINAGE REPORT
- ____ DRAINAGE REQUIREMENTS
- ____ OTHER _____ (SPECIFY)

DATE SUBMITTED: 7-19-96

BY: David J Larrow

JUL 22 1996

25×10

0000 0000 0277

DRAINAGE REPORT

JATC Development

Holmes & Narver

JUL 22 1996

3051.01
July 18, 1996

25×10

0000 0000 0278

EROSION CONTROL PLAN

CONTRACTOR IS RESPONSIBLE FOR THE ABATEMENT OF SEDIMENT ONTO ADJOINING PUBLIC RIGHT-OF-WAY, PUBLIC AND/OR PRIVATE LAND DURING CONSTRUCTION AND FOR THE REMOVAL OF ANY SEDIMENT DEPOSITED ON ANY ADJOINING AREAS.

CONTRACTOR IS ALSO RESPONSIBLE FOR OBTAINING A "TOP SOIL DISTURBANCE PERMIT", PROTECTING ADJACENT PROPERTY FROM SEDIMENT (SEE ABOVE NOTE) AND REPAIRING ANY DAMAGE PROMPTLY.

EXISTING SITE CONDITIONS

THE EXISTING SITE IS PRESENTLY UNDEVELOPED. THE EXISTING DRAINAGE ON THE SOUTHERN PORTION OF THE SITE AND OFF SITE FLOWS DRAIN EASTERLY ACROSS THE SITE AND INTO MONTBEL PL NE. THE DRAINAGE ON THE NORTHERN PORTION OF THE SITE DRAINS NORTHERLY INTO MONTBEL PL NE, A PAVED STREET. PRESENTLY, MONTBEL PL STREET FLOWS DRAIN NORTHERLY ALONG MONTBEL PL TO A STREET RUNDOWN ON THE WEST SIDE OF MONTBEL PL INTO AN EXISTING DETENTION BASIN.

PROPOSED SITE DRAINAGE PLAN

THE DEVELOPED SITE WILL INCLUDE A 12,800 SQUARE FOOT BUILDING, NEW PARKING AREAS, NEW CURB AND GUTTER, A RETAINING WALL, LANDSCAPING, AND MISCELLANEOUS SIDE WALK.

THE PROPOSED SITE DRAINAGE MUST COMPLY WITH THE MASTER DRAINAGE PLAN (F16-D3). THE ALLOWABLE DISCHARGE INTO THE STREET IS 0.1 CFS/ACRE. THE SITE WILL REQUIRE TWO DETENTION PONDS IN ORDER TO COMPLY WITH THE MASTER DRAINAGE PLAN. AN OFFSITE FLOW OF 3.20 CFS WILL BE ALLOWED TO PASS THROUGH THE PONDS. THE TOTAL AREA OF THE SITE IS 3.94 ACRES. THE TOTAL ALLOWABLE OUTFLOW FROM THE PONDS EQUALS 3.20 + 0.1 (3.94) = 3.59 CFS.

25×10

0000 0000 0279.

HYDROGRAPHS HAVE BEEN DEVELOPED FOR POND NO. 1 AND POND NO. 2 IN ACCORDANCE WITH THE FOLLOWING DPM FORMULAS:

$$t_B = (2.107 \times E \times A_T/Q_P) - (0.25 \times A_D/A_T)$$

$$t_P = (0.7 \times TC) + [(1.6 - A_D/A_T) \div 12]$$

POND NO. 1

POND NO. 1 WILL IMPOUND DRAINAGE AREAS 3 AND 4. REFER TO THE DRAINAGE TABLES SHOWN ON SHEET C-3. HYDROGRAPH COMPUTATIONS FOR POND NO. 1 ARE AS FOLLOWS:

$$Q_P = (3.14 \times 0.38) + (4.70 \times .66) = 4.29 \text{ CFS}$$

$$\text{WEIGHTED E} = \frac{(1.13 \times 0.38) + (2.12 \times 0.66)}{0.11 + 0.93} = 1.76$$

$$\text{VOL} = 1.76 \times \frac{1.04}{12} = 0.15 \text{ ACRE FT}$$

$$t_B = (2.107 \times 1.76 \times \frac{1.04}{4.29}) - (0.25 \times \frac{0.66}{1.04})$$

$$= 0.68 \text{ HOURS}$$

$$t_P = 0.7 \times 0.2 + [(1.6 - \frac{0.66}{1.04}) \div 12]$$

$$= 0.22 \text{ HOURS}$$

POND NO. 2

POND NO. 2 WILL IMPOUND DRAINAGE AREAS 1, 2, AND 5 AND WILL RELEASE OFFSITE DRAINAGE AREA 6. HYDROGRAPH COMPUTATIONS FOR POND NO. 2 ARE AS FOLLOWS:

$$Q_P = (2.28 \times 0.32) + (4.70 \times 1.22) = 6.46 \text{ CFS}$$

$$\text{WEIGHTED E} = \frac{(0.78 \times 0.32) + (2.12 \times 1.22)}{1.22 + 0.32} = 1.84$$

25 × 10

0000 0000 0280

$$VOL = 1.84 \times \frac{1.54}{12} = 0.24 \text{ ACRE FT}$$

$$t_B = (2.107 \times 1.84 \times \frac{1.56}{6.46}) - (0.25 \times \frac{0.22}{1.54}) = 0.94 \text{ HOUR}$$

$$t_P = (0.7 \times 0.2 + [(1.6 - \frac{1.22}{1.54} \div 12)]$$

$$= 0.21 \text{ HOURS}$$

FLOWS WERE ROUTED THROUGH PONDS NO. 1 AND 2 USING THE HYDRAFLOW HYDROGRAPHS COMPUTER PROGRAM. SEE RESERVOIR OUTPUT AND HYDROGRAPH SUMMARY REPORT.

POND NO. 1 OUTFLOW = 0.44 CFS (1 - 4" PVC OUTFLOW PIPE)
POND NO. 2 OUTFLOW = 3.04 CFS (8 - 4" PVC OUTFLOW PIPES)

TOTAL = 3.48 CFS
ALLOWABLE = 3.59 CFS ∴ OK

LEGAL DESCRIPTION

LOTS 1 AND 1-A-1, BLOCK 1, SUNDT'S INDUSTRIAL CENTER, SECTIONS 33 AND 34, T II N, R3E, NMPM CITY OF ALBUQUERQUE

BENCH MARK

ACS MONUMENT "2-F16"
ELEVATION = 5062.02

25×10

0000 0000 0281

Hydrograph Summary Report

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Volume (acft)	Return period (yrs)	Inflow hyd(s)	Maximum elevation (ft)	Maximum storage (cuft)	Hydrograph description
1	Manual	4.3	6	18	0.15	100	----	------	------	1 Pond 1
2	Manual	6.5	6	18	0.30	100	----	------	------	pond2
3	Reservoir	3.0	6	42	0.30	100	2	38.17	6893	pond 2,hydrg 2
4	Reservoir	0.4	6	42	0.15	100	1	35.32	5683	pond 1 hydr 1

Proj. file: COA.GPW | IDF file: 478NOAA.IDF | Run date: 07-17-1996

25×10

0000 0000 0282

Reservoir Report

Reservoir No. 1

pond 1

Culvert / Orifice Structures

		[A]	[B]	[C]
Rise (in)	=	4.0	0.0	0.0
Span (in)	=	4.0	0.0	0.0
No. Barrels	=	1	0	0
Invert El. (ft)	=	33.50	0.00	0.00
Length (ft)	=	20.0	0.0	0.0
Slope (%)	=	1.00	0.00	0.00
N-Value	=	.013	.013	.013
Orif. Coeff.	=	0.60	0.60	0.60
Multi-Stage	=	-----	No	No

Weir Structures

		[A]	[B]	[C]
Crest Len (ft)	=	0.0	0.0	0.0
Crest El. (ft)	=	0.00	0.00	0.00
Weir Coeff.	=	3.00	3.00	3.00
Eqn. Exp.	=	1.50	1.50	1.50
Multi-Stage	=	No	No	No

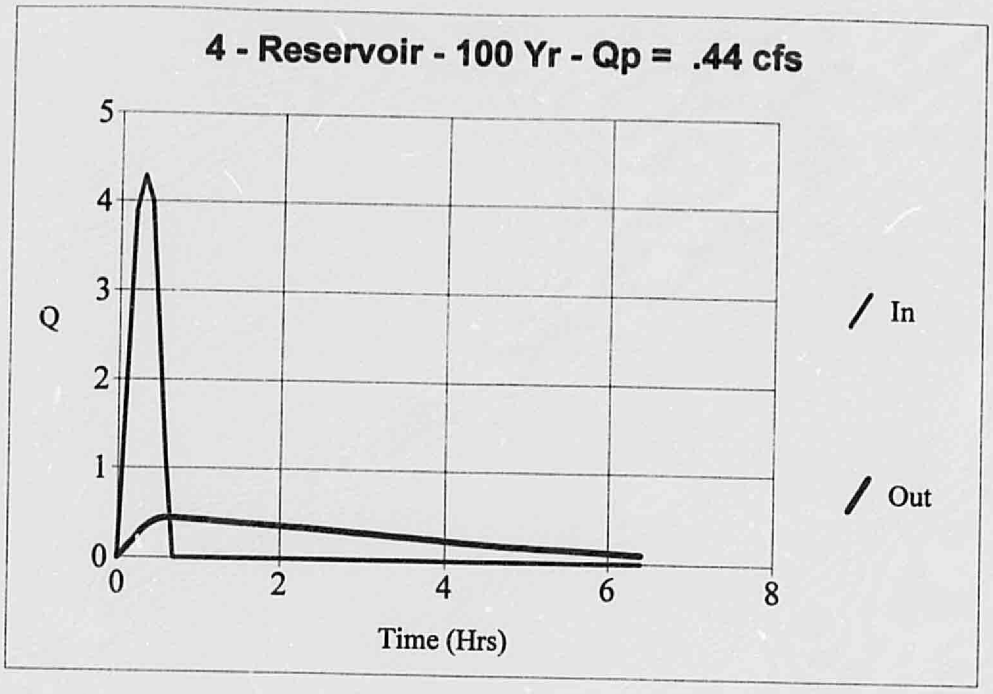
Tailwater Elevation = 0.00 ft

Note: All outflows have been analyzed under inlet and outlet control

Stage / Storage / Discharge Table

Stage (ft)	Storage (cuft)	Elevation (ft)	Culv. A (cfs)	Culv. B (cfs)	Culv. C (cfs)	Weir A (cfs)	Weir B (cfs)	Weir C (cfs)	Discharge (cfs)
0.0	00	33.50	0.00	---	---	---	---	---	0.00
0.1	293	33.60	0.09	---	---	---	---	---	0.09
0.2	586	33.70	0.13	---	---	---	---	---	0.13
0.3	879	33.80	0.15	---	---	---	---	---	0.15
0.4	1,172	33.90	0.18	---	---	---	---	---	0.18
0.5	1,465	34.00	0.21	---	---	---	---	---	0.21
0.6	1,757	34.10	0.23	---	---	---	---	---	0.23
0.7	2,050	34.20	0.26	---	---	---	---	---	0.26
0.8	2,343	34.30	0.28	---	---	---	---	---	0.28
0.9	2,636	34.40	0.30	---	---	---	---	---	0.30
1.0	2,929	34.50	0.32	---	---	---	---	---	0.32
1.1	3,265	34.60	0.34	---	---	---	---	---	0.34
1.2	3,602	34.70	0.35	---	---	---	---	---	0.35
1.3	3,938	34.80	0.37	---	---	---	---	---	0.37
1.4	4,274	34.90	0.39	---	---	---	---	---	0.39
1.5	4,611	35.00	0.40	---	---	---	---	---	0.40
1.6	4,947	35.10	0.42	---	---	---	---	---	0.42
1.7	5,283	35.20	0.43	---	---	---	---	---	0.43
1.8	5,619	35.30	0.44	---	---	---	---	---	0.44
1.9	5,956	35.40	0.46	---	---	---	---	---	0.46
2.0	6,292	35.50	0.47	---	---	---	---	---	0.47

25×10


4 - Reservoir - 100 Yr - Qp = .44 cfs
Q
5
4
3
2
1
0
0
2
4
6
8
Time (Hrs)
In
Out

0000 0000 0284

Reservoir Report

Reservoir No. 2

pond 2

Culvert / Orifice Structures

		[A]	[B]	[C]
Rise (in)	=	4.0	0.0	0.0
Span (in)	=	4.0	0.0	0.0
No. Barrels	=	8	0	0
Invert El. (ft)	=	36.80	0.00	0.00
Length (ft)	=	20.0	0.0	0.0
Slope (%)	=	1.00	0.00	0.00
N-Value	=	.013	.013	.013
Orif. Coeff.	=	0.60	0.60	0.60
Multi-Stage	=	----	No	No

Weir Structures

		[A]	[B]	[C]
Crest Len (ft)	=	0.0	0.0	0.0
Crest El. (ft)	=	0.00	0.00	0.00
Weir Coeff.	=	3.00	3.00	3.00
Eqn. Exp.	=	1.50	1.50	1.50
Multi-Stage	=	No	No	No

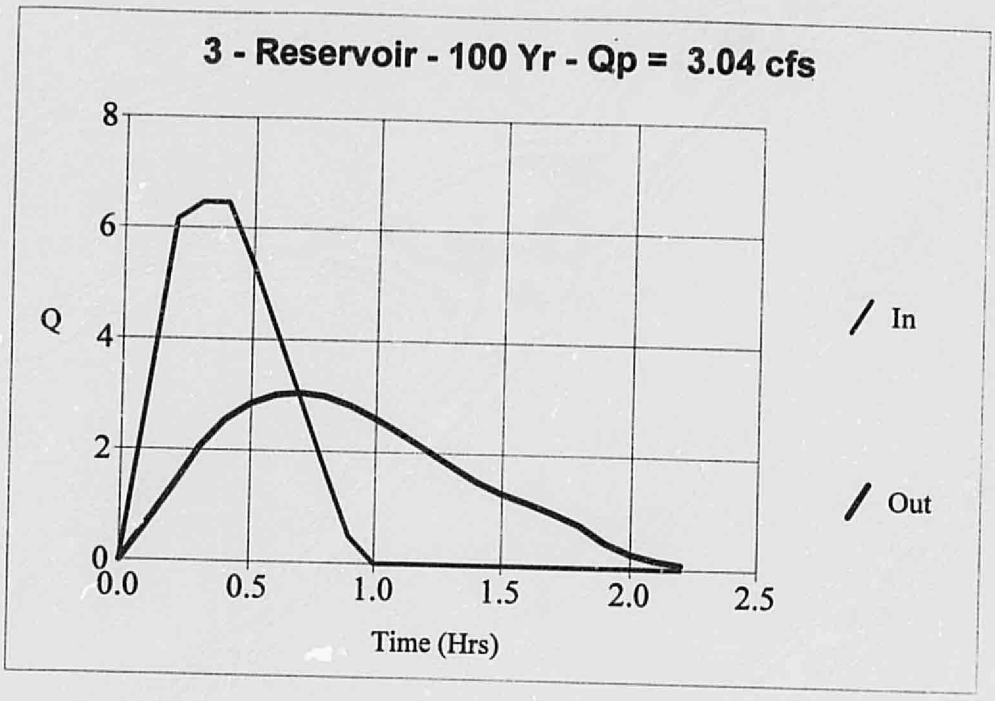
Tailwater Elevation = 0.00 ft

Note: All outflows have been analyzed under inlet and outlet control.

Stage / Storage / Discharge Table

Stage (ft)	Storage (cuft)	Elevation (ft)	Culv. A (cfs)	Culv. B (cfs)	Culv. C (cfs)	Weir A (cfs)	Weir B (cfs)	Weir C (cfs)	Discharge (cfs)
0.0	00	36.80	0.00	---	---	---	---	---	0.00
0.1	492	36.90	0.75	---	---	---	---	---	0.75
0.2	984	37.00	1.06	---	---	---	---	---	1.06
0.3	1,475	37.10	1.23	---	---	---	---	---	1.23
0.4	1,967	37.20	1.42	---	---	---	---	---	1.42
0.5	2,459	37.30	1.66	---	---	---	---	---	1.66
0.6	2,951	37.40	1.87	---	---	---	---	---	1.87
0.7	3,443	37.50	2.07	---	---	---	---	---	2.07
0.8	3,934	37.60	2.24	---	---	---	---	---	2.24
0.9	4,426	37.70	2.40	---	---	---	---	---	2.40
1.0	4,918	37.80	2.55	---	---	---	---	---	2.55
1.1	5,455	37.90	2.70	---	---	---	---	---	2.70
1.2	5,991	38.00	2.83	---	---	---	---	---	2.83
1.3	6,528	38.10	2.96	---	---	---	---	---	2.96
1.4	7,065	38.20	3.09	---	---	---	---	---	3.09
1.5	7,602	38.30	3.21	---	---	---	---	---	3.21
1.6	8,138	38.40	3.32	---	---	---	---	---	3.32
1.7	8,675	38.50	3.43	---	---	---	---	---	3.43
1.8	9,212	38.60	3.54	---	---	---	---	---	3.54
1.9	9,748	38.70	3.65	---	---	---	---	---	3.65
2.0	10,285	38.80	3.75	---	---	---	---	---	3.75

25×10


3 - Reservoir - 100 Yr - Qp = 3.04 cfs
Q
8
6
4
2
0
0.0
0.5
1.0
1.5
2.0
2.5
Time (Hrs)
In
Out

0000 0000 0286

DRAINAGE INFORMATION SHEET

PROJECT TITLE: JATC Bldg ZONE ATLAS/DRNG. FILE #: F-16/A11

DRB #: EPC #: WORK ORDER #:

LEGAL DESCRIPTION: Lots 1 and 1-A-1, Block 1, Sundt's Industrial Center, Sections 33 & 34, T11N, R3E

CITY ADDRESS: 4501 Montbel Pl NE

ENGINEERING FIRM: Holmes & Narver Inc CONTACT: Dave Larrow

ADDRESS: 6501 Americas Pkwy NE, Ste 700 87110 PHONE: 889-4174

OWNER: JATC CONTACT: Chris Padilla

ADDRESS: 2801 Girard NE PHONE: 271-1323

ARCHITECT: Holmes and Narver Inc CONTACT: Tafazzul Hussain

ADDRESS: 6501 Americas Pkwy NE Ste 700 PHONE: 889-4305

SURVEYOR: Aldrich Land Surveying CONTACT: Tim Aldrich

ADDRESS: P.O. Box 30701, City 87190 PHONE: 884-1990

CONTRACTOR: Henderson Construction CONTACT: Roger Hendrick

ADDRESS: 10100 Trumbull SE PHONE: 292-8955

TYPE OF SUBMITTAL:

___ DRAINAGE REPORT
✓ DRAINAGE PLAN
___ CONCEPTUAL GRADING & DRAINAGE PLAN
___ GRADING PLAN
___ EROSION CONTROL PLAN
___ ENGINEER'S CERTIFICATION
___ OTHER

PRE-DESIGN MEETING:

___ YES
✓ NO
___ COPY PROVIDED

pulled on 7/1/96 per Dave Larrow's instructions.

CHECK TYPE OF APPROVAL SOUGHT:

___ SKETCH PLAT APPROVAL
___ PRELIMINARY PLAT APPROVAL
___ S. DEV. PLAN FOR SUB'D. APPROVAL
___ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
___ SECTOR PLAN APPROVAL
___ FINAL PLAT APPROVAL
___ FOUNDATION PERMIT APPROVAL
✓ BUILDING PERMIT APPROVAL
___ CERTIFICATE OF OCCUPANCY APPROVAL
___ GRADING PERMIT APPROVAL
___ PAVING PERMIT APPROVAL
___ S.A.D. DRAINAGE REPORT
___ DRAINAGE REQUIREMENTS
___ OTHER (SPECIFY)

DATE SUBMITTED: 6-18-96

BY: David J Larrow

RECEIVED JUN 19 1996 HYDROLOGY DIVISION

25×

0000 0000 0287

CITY OF
Albuquerque

July 30, 1996

Martin J. Chávez, Mayor

Dave Larrow
Holmes & Narver, Inc.
6501 Americas Parkway NE Suite 700
Albuquerque, NM 87110

RE: REVISED DRAINAGE PLAN FOR THE JATC BUILDING (F16-D11)
REVISION DATED 7/19/96.

Dear Mr. Larrow:

Based on the information provided on your July 22, 1996 resubmittal, listed are some concerns that will need to be addressed prior to final approval:

1. For ponds 18" deep or less, water may be impounded adjacent to street row but not closer to 10' from pavement. For ponds deeper than 18", water shall not pond closer than 15' to the street pavement of curb and gutter. Please check both proposed ponds for this requirements.
2. Location and direction of roof drains.
3. Location of ACS Monument 2-F16.
4. Recommend that you use 1"=20' scale for better clarity.
5. S.O. 19 6 notes and sign-off block on plan. Two copies with resubmittal.

If I can be of further assistance, please feel free to contact me at 768-2667.

Sincerely,

Bernie J. Montoya, CE
Engineering Associate

BJM/dl

c: Andrew Garcia
File

25 x 10

0000 0000 0288

PLANS/PLATS ON FILE

FILE DESC: F16/D11

PLANS/PLATS 1

25×10

0000 0000 0289

25×10