CITY OF ALBUQUERQUE

February 22, 2013

Scott McGee, P.E.
Scott M. McGee
9700 Tanoan Dr. NE
Albuquerque, NM 87111

7001

Re: Jerry Cline Park, ~~7205~~ Constitution NE,
Request for Permanent C.O. –Accepted
Engineer's Stamp dated: 02-15-13, (J19/D026)
Certification dated: 02-22-13

Dear Mr. McGee,

Based upon the information provided in the Certification received 02-19-13, the above referenced Certification is accepted for a release of a Permanent Certificate of Occupancy by Hydrology.

Hydrology is asking for an electronic copy, in .pdf format, of this certification for our records. This certification can be e-mailed to me at: ccherne@cabq.gov or tsims@cabq.gov.

If you have any questions, you can contact me at 924-3986.

Sincerely,

Curtis A. Cherne, P.E.
Principal Engineer—Hydrology Section
Development and Building Services

RR/CC
C: CO Clerk—Katrina Sigala
E-mail

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(REV 04/2009)

PROJECT TITLE: Jerry Cline Park Tennis Clubhouse ZONE MAP: J-19/D 26
DRB#: _____ EPC#: _____ WORK ORDER#: 677402

LEGAL DESCRIPTION: JERRY CLINE PARK
CITY ADDRESS: 7205 CONSTITUTION NE, ABQ, NM

ENGINEERING FIRM: Scott M McGee PE CONTACT: Scott McGee
ADDRESS: 9700 Tanoan Drive NE PHONE: 263-2905
CITY, STATE: ABQ, NM ZIP CODE: 87111

OWNER: City Parks Dept CONTACT: _____
ADDRESS: 7205 Constitution NE PHONE: _____
CITY, STATE: ABQ, NM ZIP CODE: _____

ARCHITECT: L G A CONTACT: Lee Gamelsky
ADDRESS: 2412 Miles Rd SE PHONE: 842-8865
CITY, STATE: ABQ, NM ZIP CODE: 87106

SURVEYOR: Forstbauer Surveying CONTACT: Ron Forstbauer
ADDRESS: 4116 Lomas NE PHONE: 268-2112
CITY, STATE: ABQ, NM ZIP CODE: 87110

CONTRACTOR: _____ CONTACT: _____
ADDRESS: _____ PHONE: _____
CITY, STATE: _____ ZIP CODE: _____

TYPE OF SUBMITTAL:
_____ DRAINAGE REPORT
_____ DRAINAGE PLAN 1st SUBMITTAL
_____ DRAINAGE PLAN RESUBMITTAL
_____ CONCEPTUAL G & D PLAN
_____ GRADING PLAN
_____ EROSION CONTROL PLAN
XX ENGINEER'S CERT (HYDROLOGY)
_____ CLOMR/LOMR
_____ TRAFFIC CIRCULATION LAYOUT
_____ ENGINEER'S CERT (TCL)
_____ ENGINEER'S CERT (DRB SITE PLAN)
_____ OTHER (SPECIFY)

CHECK TYPE OF APPROVAL SOUGHT:
_____ SIA/FINANCIAL GUARANTEE RELEASE
_____ PRELIMINARY PLAT APPROVAL
_____ S. DEV. PLAN FOR SUB'D APPROVAL
_____ S. DEV. FOR BLDG. PERMIT APPROVAL
_____ SECTOR PLAN APPROVAL
_____ FINAL PLAT APPROVAL
_____ FOUNDATION PERMIT APPROVAL
_____ BUILDING PERMIT APPROVAL
XX CERTIFICATE OF OCCUPANCY (PERM)
_____ CERTIFICATE OF OCCUPANCY (TEMP)
_____ GRADING PERMIT APPROVAL
_____ PAVING PERMIT APPROVAL
_____ WORK ORDER APPROVAL
_____ GRADING CERTIFICATION
_____ OTHER (SPECIFY) SO-19

WAS A PRE-DESIGN CONFERENCE ATTENDED:
_____ YES
_____ NO
_____ COPY PROVIDED

RECEIVED
FEB 19 2013
2-19
LAND DEVELOPMENT SECTION

DATE SUBMITTED: 2/15/2013 BY: SMM

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan**: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.
2. **Drainage Plans**: Required for building permits, grading permits, paving permits and site plans less than five (5) acres.
3. **Drainage Report**: Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more.

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

February 3, 2003

Roni Booth
ABQ Engineering, Inc.
1631 Eubank NE, Suite C
Albuquerque, New Mexico 87112

RE: Grading and Drainage Plan for Tennis Service Center @ Jerry Cline (J19-D26)
Dated January 2, 2003

Dear Mr. Booth:

The above referenced drainage plan received January 2, 2003 is approved for grading permit. The engineer will submit grading certification per the DPM to Hydrology upon completion of the project.

If you have any questions please call me a 924-3982.

Sincerely,

Carlos A. Montoya
City Floodplain Administrator

CITY OF ALBUQUERQUE

October 18, 2005

Scott M. McGee, P.E.
Isaacson & Arfman, P.A.
128 Monroe St. NE
Albuquerque, NM 87108

Re: Jerry Cline Park Additions, NE Corner Louisiana & Constitution, Grading and Drainage Plan
Engineer's Stamp dated 10-10-05 (J19-D26)

Dear Mr. McGee,

Based upon the information provided in your submittal received 10-11-05, the above referenced plan is approved for Building Permit. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology. **Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.**

If you have any questions, you can contact me at 924-3695.

Sincerely,

Rudy E. Rael, Associate Engineer
Planning Department.
Development and Building Services

C: File

P.O. Box 1293
Albuquerque
New Mexico 87103
www.cabq.gov

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(REV. 1/28/2003rd)

PROJECT TITLE: Jerry Cline Park additions
ZONE MAP / DRG. FILE #: J-19 / D26
DRB #: _____ EPC #: _____
WORK ORDER #: _____

LEGAL DESCRIPTION: U.N.M. Parcels A, B AND C – Albuquerque, New Mexico
CITY ADDRESS: Northeast corner of Constitution Ave. and Louisiana Blvd. NE

ENGINEERING FIRM: Isaacson & Arfman, P.A.
CONTACT: Bryan Bobrick
ADDRESS: 128 Monroe St. NE
PHONE: 268-8828
CITY, STATE: Albuquerque, NM
ZIP CODE: 87108

OWNER: COA
CONTACT: _____
ADDRESS: _____
PHONE: _____
CITY, STATE: _____
ZIP CODE: _____

ARCHITECT: Lee Gamelsky Architects
CONTACT: Lee Gamelsky
ADDRESS: 2412 Miles Road SE
PHONE: 842-8865
CITY, STATE: Albuquerque, New Mexico
ZIP CODE: 87106

SURVEYOR: Forstbauer Surveying Co.
CONTACT: Ron Forstbauer
ADDRESS: _____
PHONE: 268-2112
CITY, STATE: Albuquerque, New Mexico
ZIP CODE: _____

CONTRACTOR: _____
CONTACT: _____
ADDRESS: _____
PHONE: _____
CITY, STATE: _____
ZIP CODE: _____

CHECK TYPE OF SUBMITTAL:
- X DRAINAGE REPORT
- X DRAINAGE PLAN 1ST *REQUIRES TCL or equal*
- _____ DRAINAGE PLAN RESUBMITTAL
- _____ CONCEPTUAL GRADING & DRAINAGE PLAN
- _____ GRADING PLAN
- _____ EROSION CONTROL PLAN
- _____ ENGINEER'S CERTIFICATION (HYDROLOGY)
- _____ CLOMR / LOMR
- _____ TRAFFIC CIRCULATION LAYOUT (TCL)
- _____ ENGINEER'S CERTIFICATION (TCL)
- _____ ENGINEER'S CERTIFICATION (DRB APPR, SITE PLAN)
- _____ OTHER

CHECK TYPE OF APPROVAL SOUGHT:
- _____ SIA / FINANCIAL GUARANTEE RELEASE
- _____ PRELIMINARY PLAT APPROVAL
- _____ S. DEV. PLAN FOR SUB'D APPROVAL
- _____ S. DEV. PLAN FOR BLDG. PERMIT APPR.
- _____ SECTOR PLAN APPROVAL
- _____ FINAL PLAT APPROVAL
- _____ FOUNDATION PERMIT APPROVAL
- X BUILDING PERMIT APPROVAL
- _____ CERTIFICATE OF OCCUPANCY (PERM)
- _____ CERTIFICATE OF OCCUPANCY (TEMP)
- _____ GRADING PERMIT APPROVAL
- _____ PAVING PERMIT APPROVAL
- _____ WORK ORDER APPROVAL
- _____ OTHER

WAS A PRE-DESIGN CONFERENCE ATTENDED:
- _____ YES
- _____ NO
- _____ COPY PROVIDED

RECEIVED
OCT 11 2005
HYDROLOGY SECTION

DATE SUBMITTED: Tuesday, October 11, 2005
BY: Bryan Bobrick
Isaacson & Arfman, P.A.

Requests for approvals of Site Development Plans and / or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope of the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following

1. Conceptual Grading and Drainage Plan: Required for approval of Site Development Plans greater than five acres and Sector Plans
2. Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five acres
3. Drainage Report: Required for subdivisions containing more than ten (10) lots or constituting five acres or more.

CITY OF ALBUQUERQUE

September 19, 2005

Scott M. McGee, P.E.
Isaacson & Arfman, P.A.
128 Monroe St. NE
Albuquerque, NM 87108

Re: Jerry Cline Park Additions, NE Corner Louisiana & Constitution
Grading and Drainage Plan
Engineer's Stamp dated 9-5-06 (J19D26)

Dear Mr. McGee,

Based upon the information provided in your submittal received 9-15-06, the above referenced plan is approved for Work Order.

If you have any questions, you can contact me at 924-3977.

Sincerely,

Rudy E. Rael, Associate Engineer
Planning Department.
Development and Building Services

C: File

P.O. Box 1293
Albuquerque
New Mexico 87103
www.cabq.gov

$$5282.5 \cdot \frac{2.54\ cm}{in} \cdot \frac{12\ in}{ft} \cdot \frac{1\ m}{100\ cm}$$

$$1609.2\ m \cdot \frac{100\ cm}{1\ m} \cdot \frac{1\ in}{2.54\ cm} \cdot \frac{1\ ft}{12\ in} = 5279.5 = HGL$$

Cherne, Curtis

From: Cherne, Curtis
Sent: Thursday, April 28, 2011 1:07 PM
To: 'scott mcgee'
Subject: RE: Jerry Cline Park

Scott,
Yes, as long as it doesn't tie to something that is done in 88.

Curtis

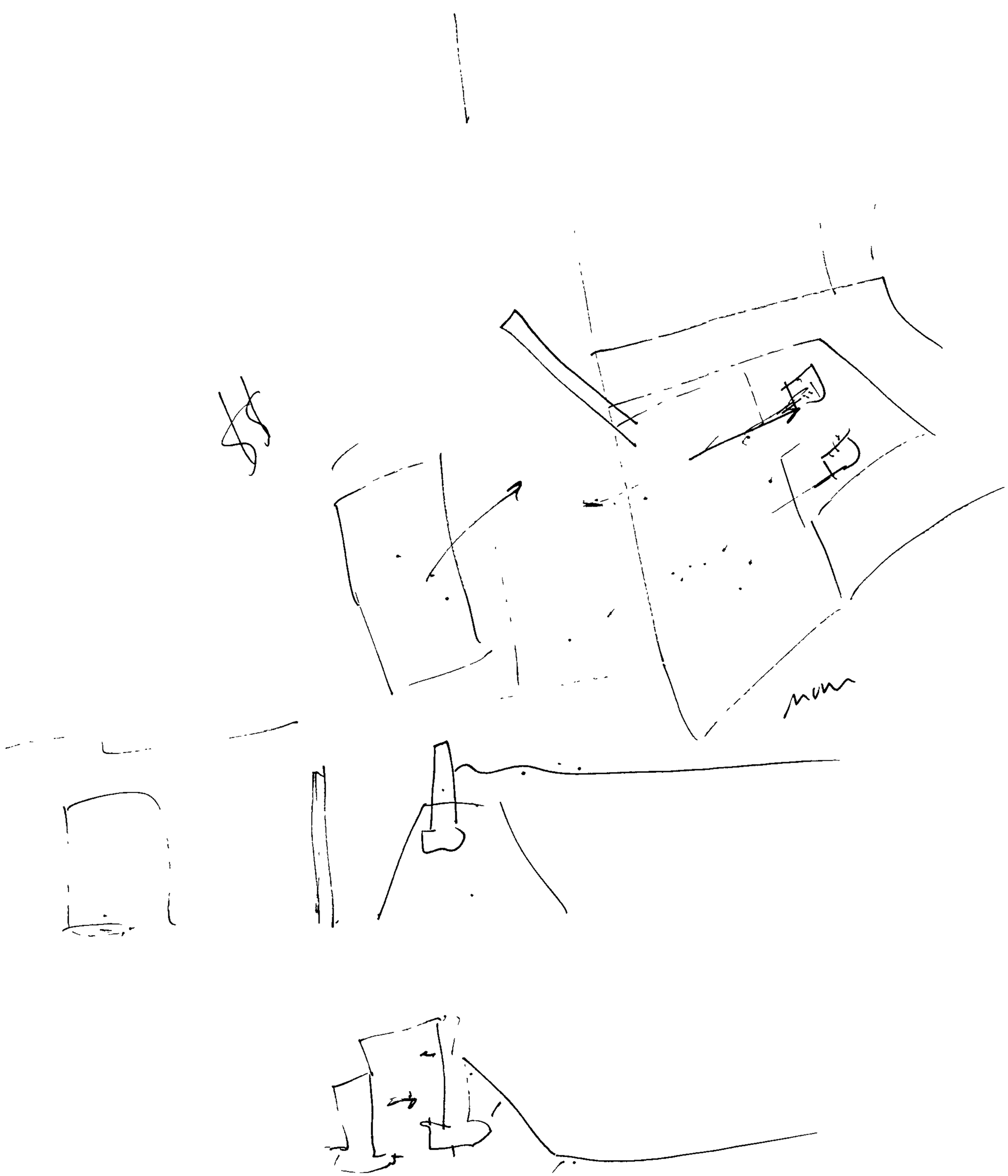
From: scott mcgee [mailto:scottmmcgee@gmail.com]
Sent: Wednesday, April 27, 2011 5:56 PM
To: Cherne, Curtis
Cc: Lee Gamelsky
Subject: Jerry Cline Park

Hi Curtis,

I have worked on this City park (SE corner of I-40/Louisiana) in the past and another phase is now proposed. The previous G & D plans were based on 1929 vertical datum for the entire 8-acre park. This was previously allowed to be used for ongoing work rather than updating to the 1988 datum. Will this still be acceptable for this phase of the project?

Congratulations on the appointment to Acting Hydrology Chief Engineer!

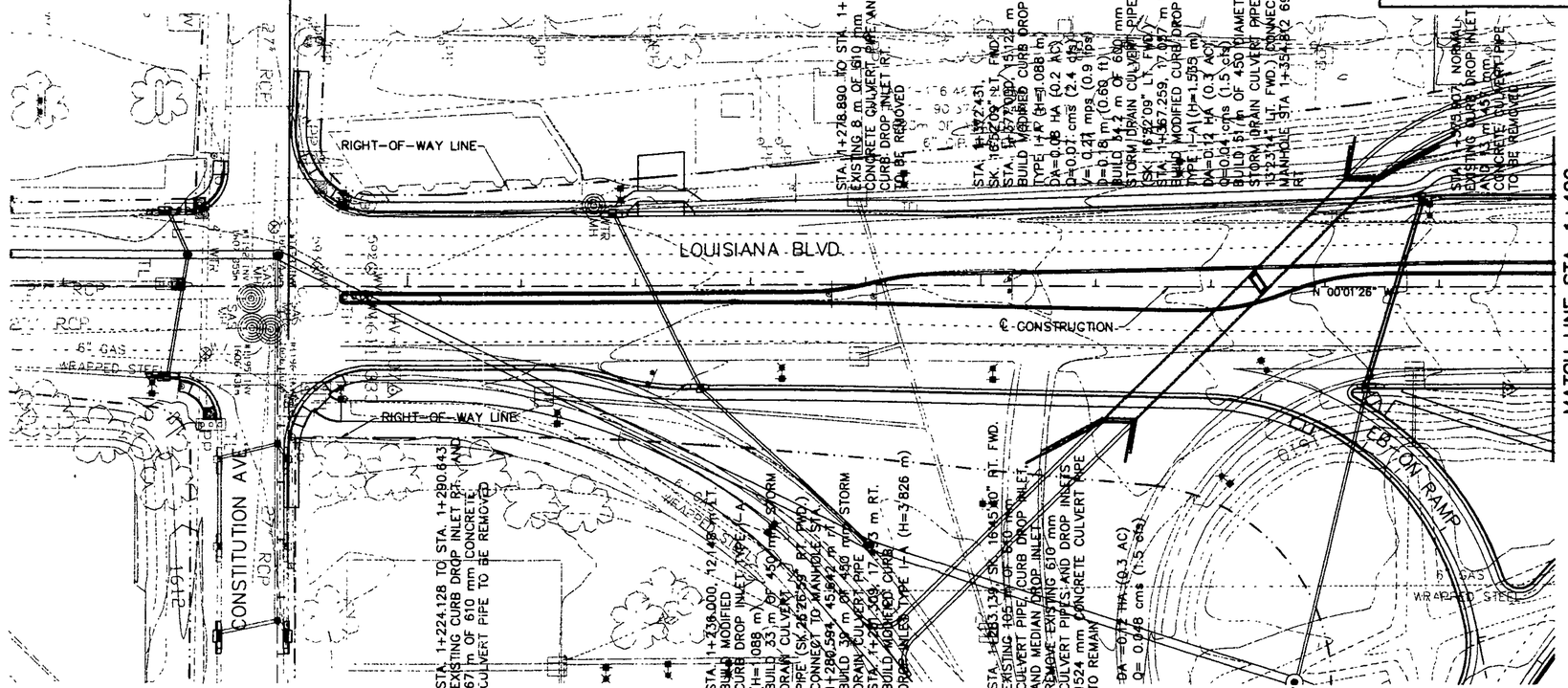
Scott McGee PE
263-2905



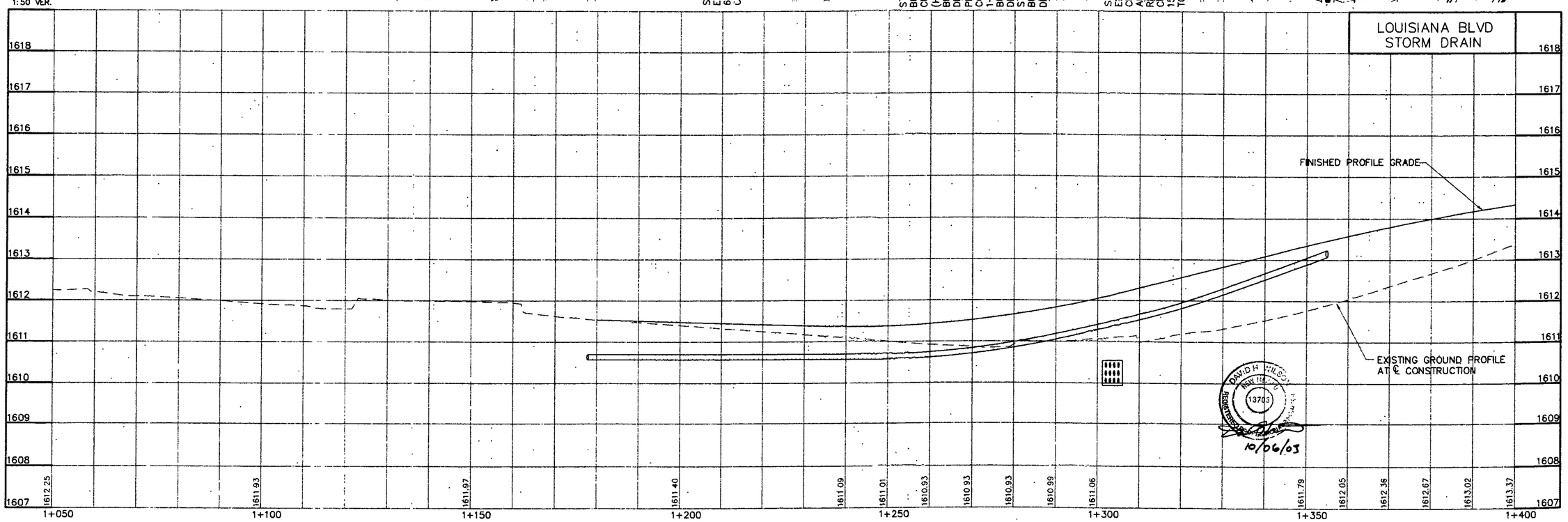
F.H.W.A. REGION NO. 6	SHEET NO.
NEW MEXICO PROJECT NO.	
IM-NH-TPU-040-3(90)163, CN 2633	11-1

NOTE:
FOR PERMANENT EROSION CONTROL MEASURES USE ROCK CHECK DAMS.
SEE ~~SHEETS 2-85 TO 2-88~~ SERIAL DRAWINGS

SEE CITY OF ALBUQUERQUE STORM DRAIN PLANS



SCALES:
1:500 HOR.
1:50 VER.



DAVID H. TILSON
NEW MEXICO
13703
REGISTERED PROFESSIONAL ENGINEER
10/06/03

ate Sep 19, 2003 - 3:24pm adoyle Layout Layout1
rawing Name K:\PROJECTS\31398\040\31398e50.dwg

IM-NH-TPU-040-3(90)163, CN 2633 | 11-34

1+200

1+300

1+400

SCALE:
1:500

STA. 1+179.676, 20.322m LT.
TO STA. 1+457.452, 15.261m LT.
BUILD 282m OF 100mm
PVC UNDERDRAIN

CONSTITUTION AVE.

BIKE PATH

PVC UNDERDRAIN

℄ CONSTRUCTION

LOUISIANA BLVD.

PVC UNDERDRAIN

MATCH LINE STA. 1+440
SEE SHEET 11-35

EASTBOUND ON RAMP 1

STA. 1+178.895, 21.368m RT.
TO STA. 1+461.733, 2.143m LT.
BUILD 306m OF 100mm
PVC UNDERDRAIN

DAVID H. [illegible]
NEW MEXICO
13703
REGISTERED PROFESSIONAL ENGINEER
10/06/03

NO.	DESCRIPTION	DATE	BY
3			
2			
1			

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO STATE
HIGHWAY AND TRANSPORTATION
DEPARTMENT

LOUISIANA BLVD / I-40
INTERCHANGE RECONSTRUCTION
BERNALILLO COUNTY

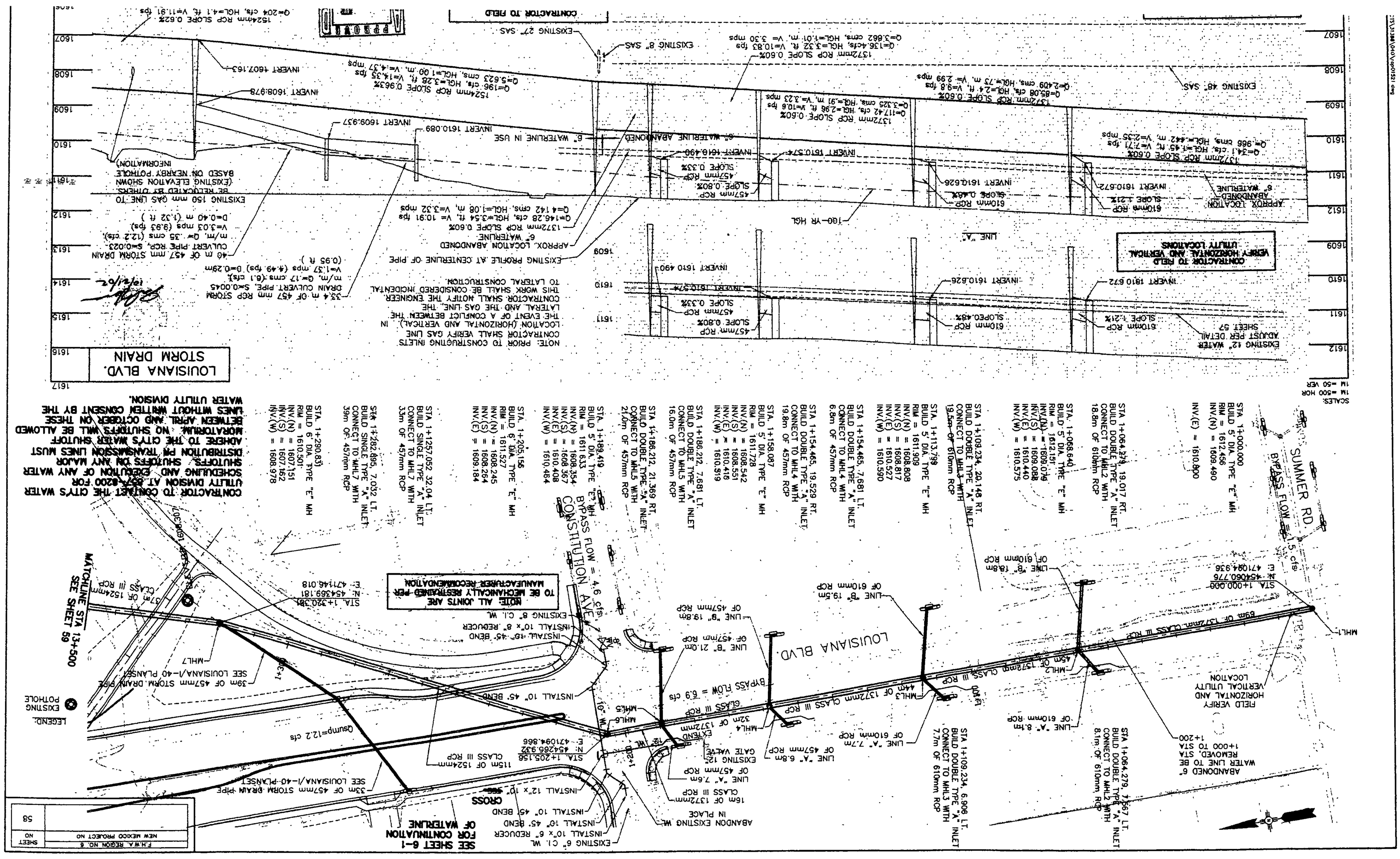
PAVEMENT UNDERDRAIN: LOUISIANA BOULEVARD

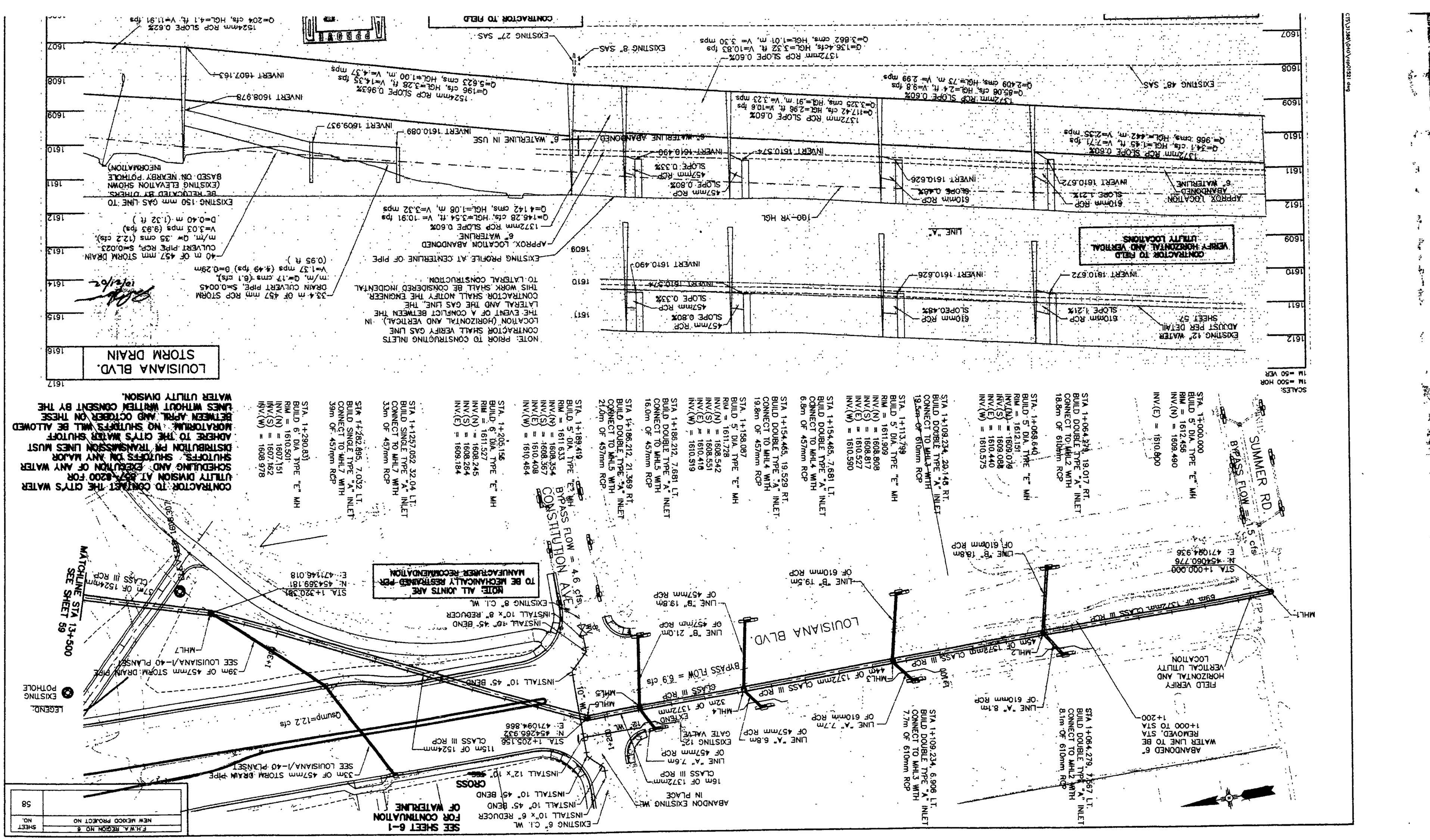
N.M. PROJECT NO. IM-NH-TPU-040-3(90)163, CN 2633 SHEET 11-34

Connell Fleming West, Inc.
ENGINEERS AND PLANNERS

ENGR. FILE:

Date Oct 05, 2003 - 3:48pm nunmary Layout Layout1
Drawing Name: K:\PROJECT\31398\040\31398U01.dwg


LOUISIANA BLVD.
STORM DRAIN
SUMMER RD.
BYPASS FLOW = 1.5 cfs
CONSTITUTION AVE.
BYPASS FLOW = 4.6 cfs
LOUISIANA BLVD.
BYPASS FLOW = 6.9 cfs
CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL UTILITY LOCATIONS
EXISTING 12" WATER ADJUST PER DETAIL SHEET 57
APPROX. LOCATION ABANDONED 6" WATERLINE
EXISTING 48" SAS
EXISTING 27" SAS
EXISTING 8" SAS
EXISTING 6" C.I. WL
EXISTING 8" C.I. WL
EXISTING 150 mm GAS LINE TO BE RELOCATED BY OTHERS
EXISTING POTHOLE
LEGEND:
MATCHLINE STA 13+500 SEE SHEET 59
SEE SHEET 6-1 FOR CONTINUATION OF WATERLINE CROSS
NOTE: ALL JOINTS ARE TO BE MECHANICALLY RESTRAINED PER MANUFACTURER RECOMMENDATION
CONTRACTOR TO CONTACT THE CITY'S WATER UTILITY DIVISION AT 857-8200 FOR SCHEDULING AND EXECUTION OF ANY WATER SHUTOFFS. SHUTOFFS ON ANY MAJOR DISTRIBUTION PW TRANSMISSION LINES MUST ADHERE TO THE CITY'S WATER SHUTOFF MORATORIUM. NO SHUTOFFS WILL BE ALLOWED BETWEEN APRIL AND OCTOBER ON THESE LINES WITHOUT WRITTEN CONSENT BY THE WATER UTILITY DIVISION.
F.H.W.A. REGION NO. 6
NEW MEXICO PROJECT NO
SHEET NO
58
SCALES:
1M =500 HOR
1M =50 VER


LOUISIANA BLVD.
STORM DRAIN
CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL UTILITY LOCATIONS
EXISTING 12" WATER ADJUST PER DETAIL SHEET 57
APPROX. LOCATION ABANDONED 6" WATERLINE
EXISTING 48" SAS
EXISTING 27" SAS
EXISTING 8" SAS
CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL UTILITY LOCATIONS
NOTE: PRIOR TO CONSTRUCTING INLETS CONTRACTOR SHALL VERIFY GAS LINE LOCATION (HORIZONTAL AND VERTICAL). IN THE EVENT OF A CONFLICT BETWEEN THE LATERAL AND THE GAS LINE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO LATERAL CONSTRUCTION.
EXISTING PROFILE AT CENTERLINE OF PIPE
APPROX. LOCATION ABANDONED 6" WATERLINE
EXISTING 150 mm GAS LINE TO BE RELOCATED BY OTHERS. (EXISTING ELEVATION SHOWN BASED ON NEARBY POTHOLE INFORMATION)
40 m OF 457 mm STORM DRAIN CULVERT, RCP, S=0.023 V=3.03 mps (9.93 fps) D=0.40 m (1.32 ft)
33.4 m OF 457 mm RCP STORM DRAIN CULVERT PIPE, S=0.0045 V=1.37 mps (4.49 fps) D=0.29m (0.95 ft)
Q=4 142 cms, HGL=1.08 m, V=3.32 mps
Q=146.28 cfs, HGL=3.54 ft, V= 10.91 fps
Q=204 cfs, HGL=4.1 ft, V=11.91 fps
Q=5.623 cms, HGL=1.00 m, V=4.37 mps
Q=196 cfs, HGL=3.28 ft, V=14.35 fps
Q=3.862 cms, HGL=1.01 m, V= 3.50 mps
Q=136.4cfs, HGL=3.32 ft, V=10.83 fps
Q=2.409 cms, HGL=2.4 ft, V=9.8 fps
Q=85.06 cfs, HGL=2.98 ft, V=10.6 fps
Q=3.325 cms, HGL=.91 m, V=3.23 mps
Q=117.42 cfs, HGL=2.96 ft, V=10.4 fps
Q=34.1 cfs, HGL=1.45 ft, V=7.71 fps
Q=.965 cms, HGL=.442 m, V=2.35 mps
INVERT 1608.978
INVERT 1607.163
INVERT 1609.937
INVERT 1610.089
INVERT 1610.574
INVERT 1610.490
INVERT 1610.626
INVERT 1610.572
INVERT 1610.574
INVERT 1610.490
INVERT 1610.626
INVERT 1610.572
6" WATERLINE IN USE
6" WATERLINE ABANDONED
190-YR HGL
LINE "A"
1372mm RCP SLOPE 0.60%
457mm RCP SLOPE 0.80%
457mm RCP SLOPE 0.33%
610mm RCP SLOPE 0.48%
610mm RCP SLOPE 1.21%
610mm RCP SLOPE 1.21%
457mm RCP SLOPE 0.80%
457mm RCP SLOPE 0.33%
610mm RCP SLOPE 0.48%
1524mm RCP SLOPE 0.62%
1524mm RCP SLOPE 0.96%
1372mm RCP SLOPE 0.60%
1372mm RCP SLOPE 0.60%
1372mm RCP SLOPE 0.60%
SCALES:
1M =500 HOR
1M =50 VER
STA. 1+290.83
BUILD 6' DIA. TYPE "E" MH
RIM = 1610.501
INV.(N) = 1607.151
INV.(S) = 1607.162
INV.(W) = 1608.978
STA. 1+257.052, 32.04 LT.
BUILD SINGLE TYPE "A" INLET
CONNECT TO MHL7 WITH
33m OF 457mm RCP
STA. 1+282.895, 7.032 LT.
BUILD SINGLE TYPE "A" INLET
CONNECT TO MHL7 WITH
39m OF 457mm RCP
STA. 1+205.156
BUILD 6' DIA. TYPE "E" MH
RIM = 1611.527
INV.(N) = 1608.245
INV.(S) = 1608.264
INV.(E) = 1609.184
STA. 1+189.419
BUILD 5' DIA. TYPE "E" MH
RIM = 1611.633
INV.(N) = 1608.354
INV.(S) = 1608.367
INV.(E) = 1610.408
INV.(W) = 1610.464
STA 1+186.212, 21.369 RT.
BUILD DOUBLE TYPE "A" INLET
CONNECT TO MHL5 WITH
21.0m OF 457mm RCP.
STA 1+186.212, 7.681 LT.
BUILD DOUBLE TYPE "A" INLET
CONNECT TO MHL5 WITH
16.0m OF 457mm RCP
STA. 1+158.087
BUILD 5' DIA. TYPE "E" MH
RIM = 1611.728
INV.(N) = 1608.542
INV.(S) = 1608.551
INV.(E) = 1610.416
INV.(W) = 1610.519
STA 1+154.465, 19.529 RT.
BUILD DOUBLE TYPE "A" INLET
CONNECT TO MHL4 WITH
19.8m OF 457mm RCP
STA 1+154.465, 7.681 LT.
BUILD DOUBLE TYPE "A" INLET
CONNECT TO MHL4 WITH
6.8m OF 457mm RCP
STA. 1+113.798
BUILD 5' DIA. TYPE "E" MH
RIM = 1611.909
INV.(N) = 1608.808
INV.(S) = 1608.817
INV.(E) = 1610.527
INV.(W) = 1610.590
STA 1+109.234, 20.148 RT.
BUILD DOUBLE TYPE "A" INLET
CONNECT TO MHL3 WITH
19.5m OF 610mm RCP
STA 1+109.234, 6.908 LT.
BUILD DOUBLE TYPE "A" INLET
CONNECT TO MHL3 WITH
7.7m OF 610mm RCP
STA. 1+068.640
BUILD 5' DIA. TYPE "E" MH
RIM = 1612.151
INV.(N) = 1609.079
INV.(S) = 1609.088
INV.(E) = 1610.440
INV.(W) = 1610.575
STA 1+064.279, 19.017 RT.
BUILD DOUBLE TYPE "A" INLET
CONNECT TO MHL2 WITH
18.8m OF 610mm RCP
STA 1+064.279, 7.567 LT.
BUILD DOUBLE TYPE "A" INLET
CONNECT TO MHL2 WITH
8.1m OF 610mm RCP
STA. 1+000.000
BUILD 5' DIA. TYPE "E" MH
RIM = 1612.456
INV.(N) = 1609.490
INV.(E) = 1610.800
STA 1+000.000
N: 4540601.776
E: 4710849.536
SUMMER RD.
BYPASS FLOW = 4.6 cfs
BYPASS FLOW = 6.9 cfs
CONSTITUTION AVE.
LOUISIANA BLVD.
MATCHLINE STA 13+500 SEE SHEET 59
LEGEND:
EXISTING POTHOLE
Qpump=12.2 cfs
39m OF 457mm STORM DRAIN PIPE SEE LOUISIANA/I-40 PLANSET
33m OF 457mm STORM DRAIN PIPE SEE LOUISIANA/I-40 PLANSET
57m OF 1524mm CLASS III RCP
11m OF 1524mm CLASS III RCP
STA 1+320.381
N: 4543591.181
E: 4711461.018
STA 1+205.156
N: 4542659.932
E: 4710984.866
NOTE: ALL JOINTS ARE TO BE MECHANICALLY RESTRAINED PER MANUFACTURER RECOMMENDATION
SEE SHEET 6-1 FOR CONTINUATION OF WATERLINE CROSS
INSTALL 12"x 10" RED.
INSTALL 10" 45° BEND
INSTALL 10" 45° BEND
INSTALL 10"x 6" REDUCER
EXISTING 6" C.I. WL
INSTALL 10"x 8" REDUCER
INSTALL 10" 45° BEND
INSTALL 10" 45° BEND
EXISTING 8" C.I. WL
LINE "B" 21.0m OF 457mm RCP
LINE "B" 19.8m OF 457mm RCP
LINE "B" 19.5m OF 610mm RCP
LINE "B" 18.8m OF 610mm RCP
LINE "A" 6.8m OF 457mm RCP
LINE "A" 7.6m OF 457mm RCP
LINE "A" 7.7m OF 610mm RCP
LINE "A" 8.1m OF 610mm RCP
ABANDON EXISTING MH IN PLACE
15m OF 1372mm CLASS III RCP
32m OF 1372mm CLASS III RCP
EXTEND EXISTING 12" GATE VALVE
44m OF 1372mm CLASS III RCP
45m OF 1372mm CLASS III RCP
69m OF 1372mm CLASS III RCP
MHL1
MHL2
MHL3
MHL4
MHL5
MHL6
MHL7
ABANDONED 6" WATER LINE TO BE REMOVED. STA 1+000 TO STA 1+200
FIELD VERIFY HORIZONTAL AND VERTICAL UTILITY LOCATION
CONTRACTOR TO CONTACT THE CITY'S WATER UTILITY DIVISION AT 857-8200 FOR SCHEDULING AND EXECUTION OF ANY WATER SHUTOFFS. SHUTOFFS ON ANY MAJOR DISTRIBUTION PW TRANSMISSION LINES MUST ADHERE TO THE CITY'S WATER SHUTOFF NOTORIUM. NO SHUTOFFS WILL BE ALLOWED BETWEEN APRIL AND OCTOBER ON THESE LINES WITHOUT WRITTEN CONSENT BY THE WATER UTILITY DIVISION.
F.H.W.A. REGION NO 6
NEW MEXICO PROJECT NO
SHEET NO. 58

F.H.W.A. REGION NO. 6	SHEET NO
NEW MEXICO PROJECT NO	59

MATCHLINE STA 13+500
SEE SHEET 58

SCALES:
1M =500 HOR
1M =50 VER

FABRICATED 33°- 60" ELBOW CONNECTION TO EXISTING 1524mm (60") RCP, INVERT = 1605.308
ELBOW IS INCIDENTAL TO 60" RCP. CONTRACTOR TO COORDINATE WITH MANFACTURER FOR DETAILS

SEE LOUISIANA/140 INTERCHANGE CONSTRUCTION PLANS FOR DETAILS

57.0 m OF 1524 mm CLASS III RCP, S=0.0104 m/m Q=7.53 cms (266 cfs) V= 4.67 mps (15.41 fps) D=1.25 m (4.11 ft)

STA. 1+458.618
N=454,499.0818, E=471,192.8744
BUILD MEDIAN DROP INLET GRATE=1608.178 INVERT=1607.178

BUILD 1-600mm X 17.6m STORM DRAIN PIPE CONNECT NEW MEDIAN DROP INLET TO EXISTING DROP INLET

17.4 m OF 1524 mm CLASS III RCP, S=0.0104 m/m Q=7.53 cms (266 cfs) V= 3.97 mps (13.04 fps) CONTRACTOR TO COORDINATE WITH PIPE MANUFACTURER FOR SPECIFICATIONS AND PIPE JOINT DETAILS

LEGEND:
EXISTING POTHOLE

INVERT 1611.886
6" GAS WRAPPED STEEL
P.C. STA. 1+472.778
18.5° ELBOW #1
18.5° ELBOW #2
18.5° ELBOW #3
18.5° ELBOW #4
P.T. STA. 1+436.712
R=27.924m
L=36.066m
DELTA=74°00' 04"
T=21.043m
42.6m OF 1524mm CLASS III RCP
41m OF 1524mm CLASS III RCP
17.6m - 600mm STORM DRAIN PIPE
WATER SURFACE HGL=1609.2
MHL8
INVERT = 1606.699
130' 1525 mm (60") CLASS III RCP CONNECT TO EXISTING 1525 mm (60") DRAIN TO MANHOLE

EXISTING GROUND PROFILE
HGL=1609.2
100-YR HGL
STA. 1+398.296, 0.198 RT
BUILD 3.048 m (10' DIA.) TYPE "E" W/ "BEEHIVE" GRATE AND FRAME
GRATE AND INLET LID TO BE CONSIDERED INCLUDED IN THE COST OF THE MANHOLE
RIM = 1608.860
INV.(N) = 1606.681
INV.(S) = 1606.705
INV.(E) = 1606.699
INV.(W) = 1606.831
P.T. STA. 1+436.712
BUILD 1524mm CLASS III RCP USING 4 EACH 18.5° CLASS III RCP ELBOWS, TOTAL BEND = 74°. PLACE 3 EACH 2.45 m LONG CYLINDRICAL CLASS III RCP SEGEMENTS BETWEEN ELBOW 1&2, 2&3, 3&4 INV. = 1606.297
CURVED ALIGNMENT
EXISTING 150 mm GAS LINE TO BE RELOCATED BY OTHERS. (EXISTING ELEVATION SHOWN BASED ON NEARBY POTHOLE INFORMATION)
77 m OF 1524 mm CLASS III RCP, S=0.0062 m/m
Q=204 cfs, HGL=4.1 ft, V=11.91 fps
Q=5.78 cms, HGL=1.25 m, V=3.63 mps
36.89 m OF 1524 mm CLASS III RCP, S=0.0104 m/m
Q=266 cfs, HGL=7.69 ft, V=13.0 fps
Q=7.53 cms, HGL=2.34 m, V=3.96 mps

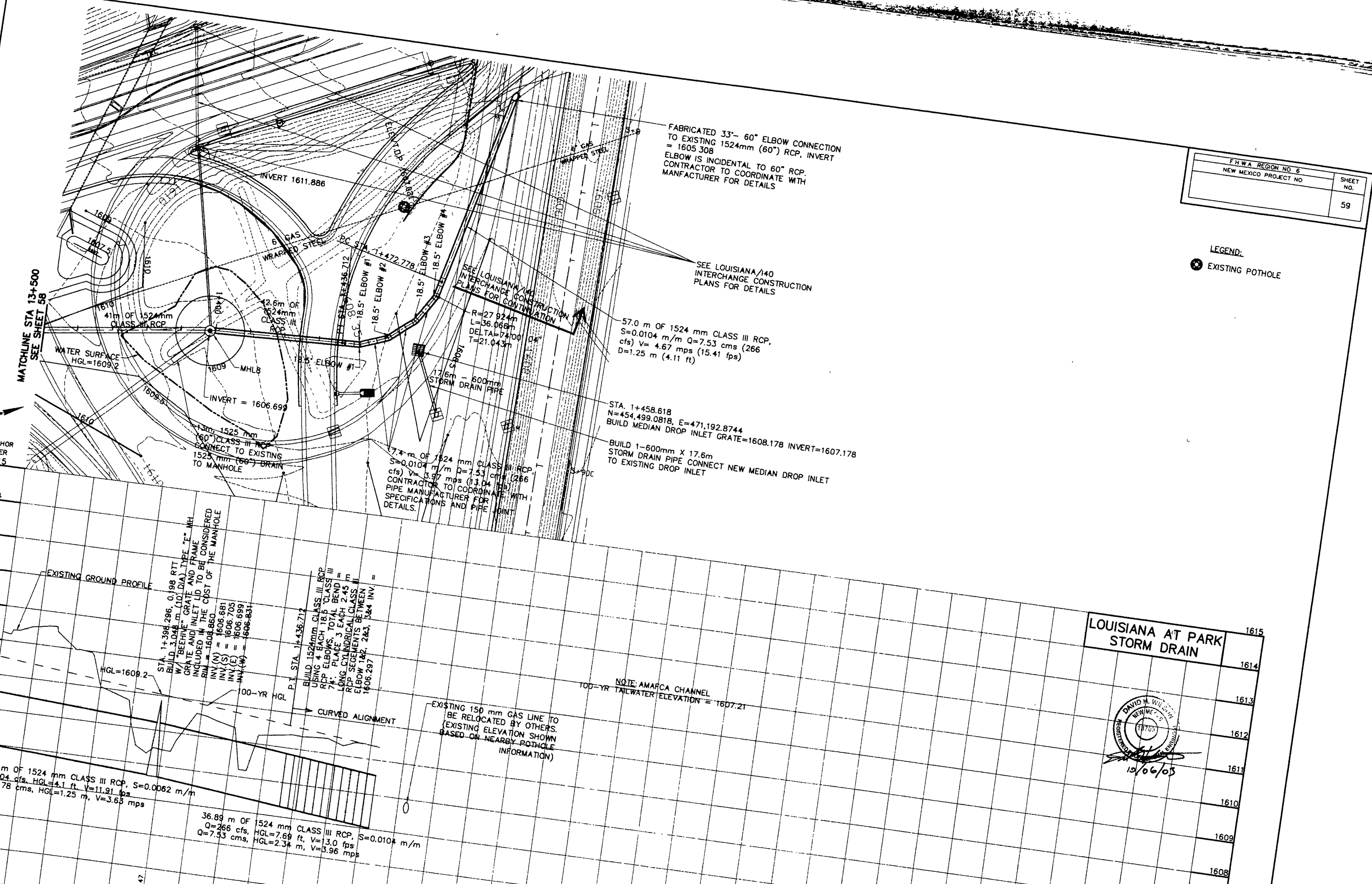
NOTE: AMAFCA CHANNEL
100-YR TAILWATER ELEVATION = 1607.21

LOUISIANA AT PARK
STORM DRAIN

DAVID M. WILSON
NEW MEXICO
18703
REGISTERED PROFESSIONAL ENGINEER
10/06/03

1610.31 1607.47 1608.33
1+350 1+400 1+450

Date Oct 06, 2003 - 10:53am jobbye Layout 14-111A
Drawing Name K:\PROJECTS\31398\DWG\rpd2521 elbow.dwg



FHWA REGION NO 6	SHEET NO.
NEW MEXICO PROJECT NO	59

LEGEND:

⊗ EXISTING POTHOLE

CITY OF ALBUQUERQUE

December 2, 2011

Scott M. McGee, P.E.
9700 Tanoan Dr NE
Albuquerque, NM 87111

Re: Jerry Cline Park, 7205 Constitution, Grading and Drainage Plan
Engineer's Stamp Dated 11-21-11 (J19/D026)

Dear Mr. McGee,

Based upon the information provided in your submittal received 11-21-11, the grading and Drainage Plan is approved for Building Permit.

Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology. Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

If you have any questions, you can contact me at 924-3695.

Sincerely,

Shahab Biazar, P.E.
Senior Engineer, Planning Dept.
Development and Building Services

C: file

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(REV 04/2009)

PROJECT TITLE: Jerry Cline Park Tennis Center ZONE MAP: J-19 / D26
DRB#: _____ EPC#: _____ WORK ORDER#: _____

LEGAL DESCRIPTION: JERRY CLINE PARK
CITY ADDRESS: 7205 Constitution Avenue NE, ABQ, NM

ENGINEERING FIRM: Scott M McGee PE CONTACT: Scott McGee
ADDRESS: 9700 Tanoan Drive NE PHONE: 263-2905
CITY, STATE: ABQ, NM ZIP CODE: 87111

OWNER: City of Albuquerque CONTACT: Barbara Baca
ADDRESS: _____ PHONE: 768-5300
CITY, STATE: ABQ, NM ZIP CODE: 87102

ARCHITECT: Lee Gamelsky Architects CONTACT: Lee Gamelsky
ADDRESS: 2412 Miles Rd SE PHONE: 842-8865
CITY, STATE: Phoenix, AZ ZIP CODE: 87106

SURVEYOR: Forstbauer Surveying CONTACT: Ron Forstbauer
ADDRESS: 4116 Lomas Blvd NE PHONE: 268-2112
CITY, STATE: ABQ, NM ZIP CODE: 87110

CONTRACTOR: _____ CONTACT: _____
ADDRESS: _____ PHONE: _____
CITY, STATE: _____ ZIP CODE: _____

TYPE OF SUBMITTAL:
_____ DRAINAGE REPORT
_____ DRAINAGE PLAN 1st SUBMITTAL
_____ DRAINAGE PLAN RESUBMITTAL
_____ CONCEPTUAL G & D PLAN
XX____ GRADING PLAN
_____ EROSION CONTROL PLAN
_____ ENGINEER'S CERT (HYDROLOGY)
_____ CLOMR/LOMR
_____ TRAFFIC CIRCULATION LAYOUT
_____ ENGINEER'S CERT (TCL)
_____ ENGINEER'S CERT (DRB SITE PLAN)
_____ OTHER (SPECIFY)

CHECK TYPE OF APPROVAL SOUGHT:
_____ SIA/FINANCIAL GUARANTEE RELEASE
_____ PRELIMINARY PLAT APPROVAL
_____ S. DEV. PLAN FOR SUB'D APPROVAL
_____ S. DEV. FOR BLDG. PERMIT APPROVAL
_____ SECTOR PLAN APPROVAL
_____ FINAL PLAT APPROVAL
_____ FOUNDATION PERMIT APPROVAL
XX____ BUILDING PERMIT APPROVAL
_____ CERTIFICATE OF OCCUPANCY (PERM)
_____ CERTIFICATE OF OCCUPANCY (TEMP)
_____ GRADING PERMIT APPROVAL
_____ PAVING PERMIT APPROVAL
_____ WORK ORDER APPROVAL
_____ GRADING CERTIFICATION
_____ OTHER (SPECIFY)

WAS A PRE-DESIGN CONFERENCE ATTENDED:
_____ YES
_____ NO
_____ COPY PROVIDED

RESUBMITTAL

DATE SUBMITTED: 11/21/2011 BY: SMM

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan**: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.
2. **Drainage Plans**: Required for building permits, grading permits, paving permits and site plans less than five (5) acres.
3. **Drainage Report**: Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more.

P zz

[redacted]

JERRY CLINE PARK TENNIS CENTER
SUPPLEMENTAL DRAINAGE INFORMATION
NOVEMBER 11, 2011

EXISTING CONDITIONS: The existing clubhouse is a 3,100 sf building surrounded by both concrete walkways and gravel surfacing. Approximately 4,000 sf of existing paved parking is being removed. These improvements are located near the northwest corner of the park, which is also the low point.

PROPOSED IMPROVEMENTS: The proposed improvements include a 7,250 sf clubhouse building and a new drop-off area. The drop off area amounts to about 6,100 sf of new pavement.

DRAINAGE APPROACH: The proposed drainage plan will continue to follow historic flow paths, but the increased impervious area will have a minimal increase in site runoff. The additional impervious area of 13,350 – 7,100 = 6,250sf replaces existing gravel surfacing.

For Precipitation Zone 3, this 0.14-acre change from land treatment type 'C' to 'D' results in an increase of 0.2 CFS. From the prior Drainage plan, the entire site runoff is 53.5 CFS (for the 14.9 acre park). The proposed clubhouse building and drop-off area will add only a minimal 0.2 CFS (<0.4%) increase in runoff to 53.7 CFS. Site runoff will continue to discharge to the existing 60" storm drain which carries runoff to the I-40 channel.

CAPACITY CALCULATIONS:
U-shaped concrete channel from building to cul-de-sac is 12"x6" at the curb face (narrowest point)
Manning for n=0.12: Q=(1.486/.012)x 0.5x 0.397x 0.10 = 2.4 cfs
Building runoff = 0.17 acre x 5.02 cfs/ac = 0.83 cfs (OK)

North side of cul-de-sac— two 24" wide sidewalk culverts @ 24"x8"
24" sidewalk culvert: Q=(1.486/.012)x 1.33x 0.54 x 0.10 = 8.9 cfs
Q = 8.9 x 2 = 17.8 cfs (>12.0 cfs draining from parking lot to cul-de-sac)

Inlet capacity using Orifice equation Q = K x A x (2gH)1/2
Q = (0.6) x 0.55 x (64.4)(0.1)1/2 = 0.8 cfs (using 0.1' depth)
Typical patio area draining to inlet is 1800 sf- Q=0.04 x 5.02= 0.2 cfs (OK)

SCOTT M MCGEE PE, LLC
CIVIL ENGINEER

FROM PROJECT INCEPTION TO
CONSTRUCTION COMPLETION

November 21, 2011

Shahab Biazar, PE
Senior Engineer, Planning Dept.
Development and Building Services
City of Albuquerque
Albuquerque, NM 87103

RE: Jerry Cline Park (J19/ D26)

Dear Mr. Biazar,

I am submitting the revised Grading plan for the proposed tennis clubhouse. Your review comments of September 28 have been addressed as follows:

< The NAVD 88 requirement was waived by Curtis Cherne for this ongoing City project.
< Existing contour labels and spot elevations are now more bold.
< No work is proposed within the NMDOT R/W. Site discharge enters an existing City storm drain system onsite.
< The property line has been noted.
< The existing drainage swale was previously cobble lined.
< Calculations have been added to the Supplemental Drainage Information. A detail has been added for the U-shaped concrete channel.
<Existing inlets under the proposed inlet will be relocated. The Architect's Demolition sheet addresses a portion of this work.
<A single finish floor elevation is proposed for this single odd-shaped building.

Please contact me either by phone or e-mail if needed to answer questions. Thank you.

Scott M McGee

Scott M McGee PE

RECEIVED
NOV 22 2011
HYDROLOGY
SECTION

9700 Tanoan Dr NE ▪ ABQ, NM 87111 ▪ 505.263.2905 ▪ scottmmcgee@gmail.com

CITY OF ALBUQUERQUE

September 28, 2010

Scott M. McGee, P.E.
9700 Tanoan Dr NE
Albuquerque, NM 87111

Re: Jerry Cline Park, 7205 Constitution, Grading and Drainage Plan
Engineer's Stamp dated 9-12-11 (J19/D26)

Dear Mr. McGee,

Based upon the information provided in your submittal received 9-23-2011, the above referenced plan can not be approved for Building Permit until the following comments are addressed.

- BM information provided should be based on NAVD 88. Please make sure the existing and proposed elevations does reflect the NAVD 88.
- Can not read the existing spot elevations and contours.
- Portion of this project is within the NM Department of Transportation. Please obtain approval from NM DOT for grading and drainage as well as construction of any other structures within their ROW.
- Show the property line.
- It appears that the proposed 24" sidewalk culvert will be draining to an existing swale to the north. Is there any erosion protection proposed from the end of the sidewalk culvert to the existing swale. Provide details:
- Provide capacity calculations for all the proposed inlets, sidewalk culverts, and other drainage structures. Provide details for the tapered 24" side walk culvert and the tapered u-shaped concrete swale to sidewalk culvert.
- Will existing storm drain structures that fall under the building be removed and rerouted?
- Provide finished floor elevations for all the building.

If you have any questions, you can contact me at 924-3695.

Sincerely,

Shahab Biazar, P.E.
Senior Engineer, Planning Dept.
Development and Building Services

C: file

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(REV 04/2009)

PROJECT TITLE: Jerry Cline Park Tennis Center ZONE MAP: J-19 / D26
DRB#: _____ EPC#: _____ WORK ORDER#: _____

LEGAL DESCRIPTION: ~~Tract A Cottonwood Pointe~~ JERRY CLINE PARK
CITY ADDRESS: 7205 Constitution Avenue NE, ABQ, NM

ENGINEERING FIRM: Scott M McGee PE CONTACT: Scott McGee
ADDRESS: 9700 Tanoan Drive NE PHONE: 263-2905
CITY, STATE: ABQ, NM ZIP CODE: 87111

OWNER: City of Albuquerque CONTACT: Barbara Baca
ADDRESS: _____ PHONE: 768-5300
CITY, STATE: ABQ, NM ZIP CODE: 87102

ARCHITECT: Lee Gamelsky Architects CONTACT: Lee Gamelsky
ADDRESS: 2412 Miles Rd SE PHONE: 842-8865
CITY, STATE: Phoenix, AZ ZIP CODE: 87106

SURVEYOR: Forstbauer Surveying CONTACT: Ron Forstbauer
ADDRESS: 4116 Lomas Blvd NE PHONE: 268-2112
CITY, STATE: ABQ, NM ZIP CODE: 87110

CONTRACTOR: _____ CONTACT: _____
ADDRESS: _____ PHONE: _____
CITY, STATE: _____ ZIP CODE: _____

TYPE OF SUBMITTAL:
_____ DRAINAGE REPORT
_____ DRAINAGE PLAN 1st SUBMITTAL
_____ DRAINAGE PLAN RESUBMITTAL
_____ CONCEPTUAL G & D PLAN
XX____ GRADING PLAN
_____ EROSION CONTROL PLAN
_____ ENGINEER'S CERT (HYDROLOGY)
_____ CLOMR/LOMR
_____ TRAFFIC CIRCULATION LAYOUT
_____ ENGINEER'S CERT (TCL)
_____ ENGINEER'S CERT (DRB SITE PLAN)
_____ OTHER (SPECIFY)

CHECK TYPE OF APPROVAL SOUGHT:
_____ SIA/FINANCIAL GUARANTEE RELEASE
_____ PRELIMINARY PLAT APPROVAL
_____ S. DEV. PLAN FOR SUB'D APPROVAL
_____ S. DEV. FOR BLDG. PERMIT APPROVAL
_____ SECTOR PLAN APPROVAL
_____ FINAL PLAT APPROVAL
_____ FOUNDATION PERMIT APPROVAL
XX____ BUILDING PERMIT APPROVAL
_____ CERTIFICATE OF OCCUPANCY (PERM)
_____ CERTIFICATE OF OCCUPANCY (TEMP)
_____ GRADING PERMIT APPROVAL
_____ PAVING PERMIT APPROVAL
_____ WORK ORDER APPROVAL
_____ GRADING CERTIFICATION
_____ OTHER (SPECIFY)

SEP 23 2011

WAS A PRE-DESIGN CONFERENCE ATTENDED:
_____ YES
_____ NO
_____ COPY PROVIDED

DATE SUBMITTED: 09/23/2011 BY: SMM

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan**: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.
2. **Drainage Plans**: Required for building permits, grading permits, paving permits and site plans less than five (5) acres.
3. **Drainage Report**: Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more.

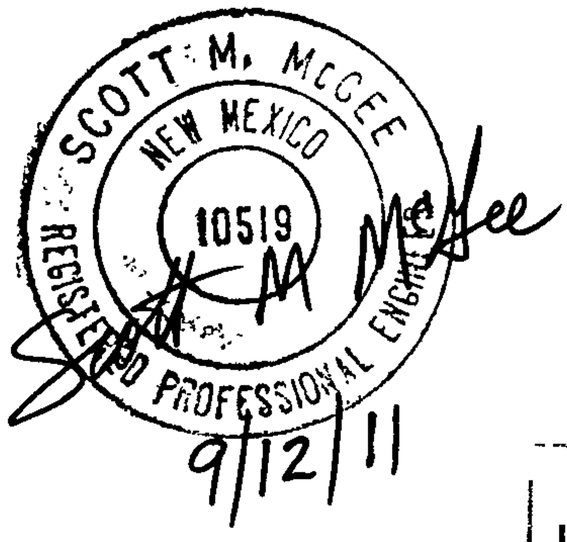
JERRY CLINE PARK TENNIS CENTER
SUPPLEMENTAL DRAINAGE INFORMATION
SEPTEMBER 12, 2011

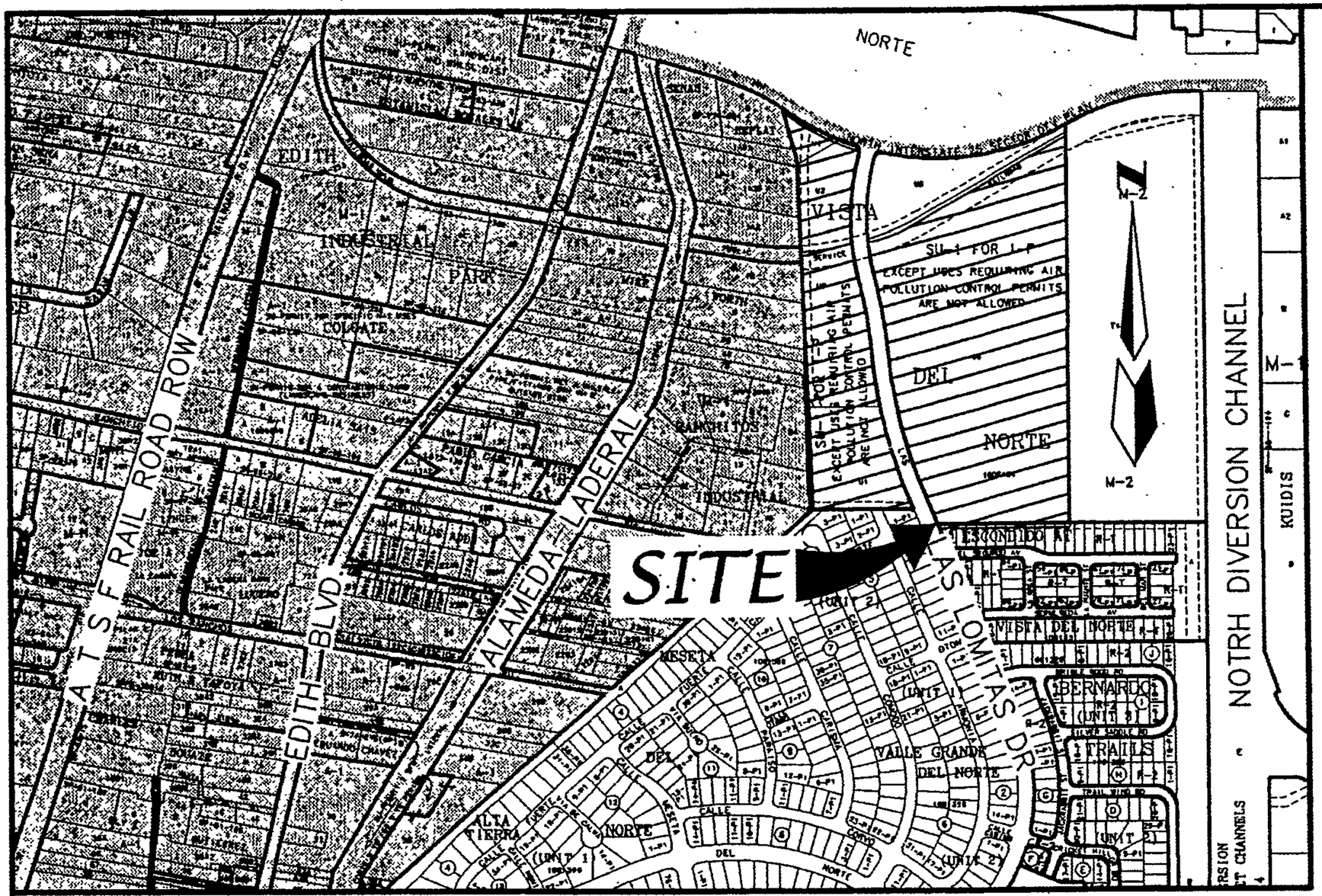
EXISTING CONDITIONS: The existing clubhouse is a 3,100 sf building surrounded by both concrete walkways and gravel surfacing. Approximately 4,000 sf of existing paved parking is being removed. These improvements are located near the northwest corner of the park which is also the low point.

PROPOSED IMPROVEMENTS: The proposed improvements include a 7,250 sf clubhouse building and a new drop-off area. The drop off area amounts to about 6,100 sf of new pavement.

DRAINAGE APPROACH: The proposed drainage plan will continue to follow historic flow paths, but the increased impervious area will have a minimal increase in site runoff. The additional impervious area of 13,350 – 7,100 = 6,250sf replaces existing gravel surfacing.

For Precipitation Zone 3, this 0.14-acre change from land treatment type 'C' to 'D' results in an increase of 0.2 CFS. From the prior Drainage plan, the entire site runoff is 53.5 CFS (for the 14.9 acre park). The proposed clubhouse building and drop-off area will add only a minimal 0.2 CFS (<0.4%) increase in runoff to 53.7 CFS. Site runoff will continue to discharge to the existing 60" storm drain which carries runoff to the I-40 channel.





LOCATION MAP

ZONE ATLAS D-16-Z

SCALE: 1"=750'

SUBDIVISION DATA

Gross acreage	33.4552 AC.
Zone Atlas No.	D-16-Z
No. of existing Tracts/Lots	5 Tracts
No. of Tracts/Lots created	19 Tracts
No. of Tracts/Lots eliminated	5 Tracts
Right-of-way dedicated to City	1.4062 Ac
Date of Survey	June, 2002
Zoning	SU-1 for IP

LEGAL DESCRIPTION

A Tract of Land Situate Within the Ele
Township 11 North, Range 3 East, Ne
Bernalillo County, New Mexico being
Norte, as the same is shown and des
the County Clerk of Bernalillo Count
2002C, Page 311, and containing 33.

PURPOSE OF PLAT

1. Subdivide Tracts U-1, U-2, U-3, U Tracts.
2. Dedicate Right-of-way as shown.
3. Grant easements as shown.

PLAT NOTES

1. *Bearings are New Mexico St*
2. *Distances are ground distan*
3. *Bearings and distances in p*
4. *Basis of boundary are the record entitled:*

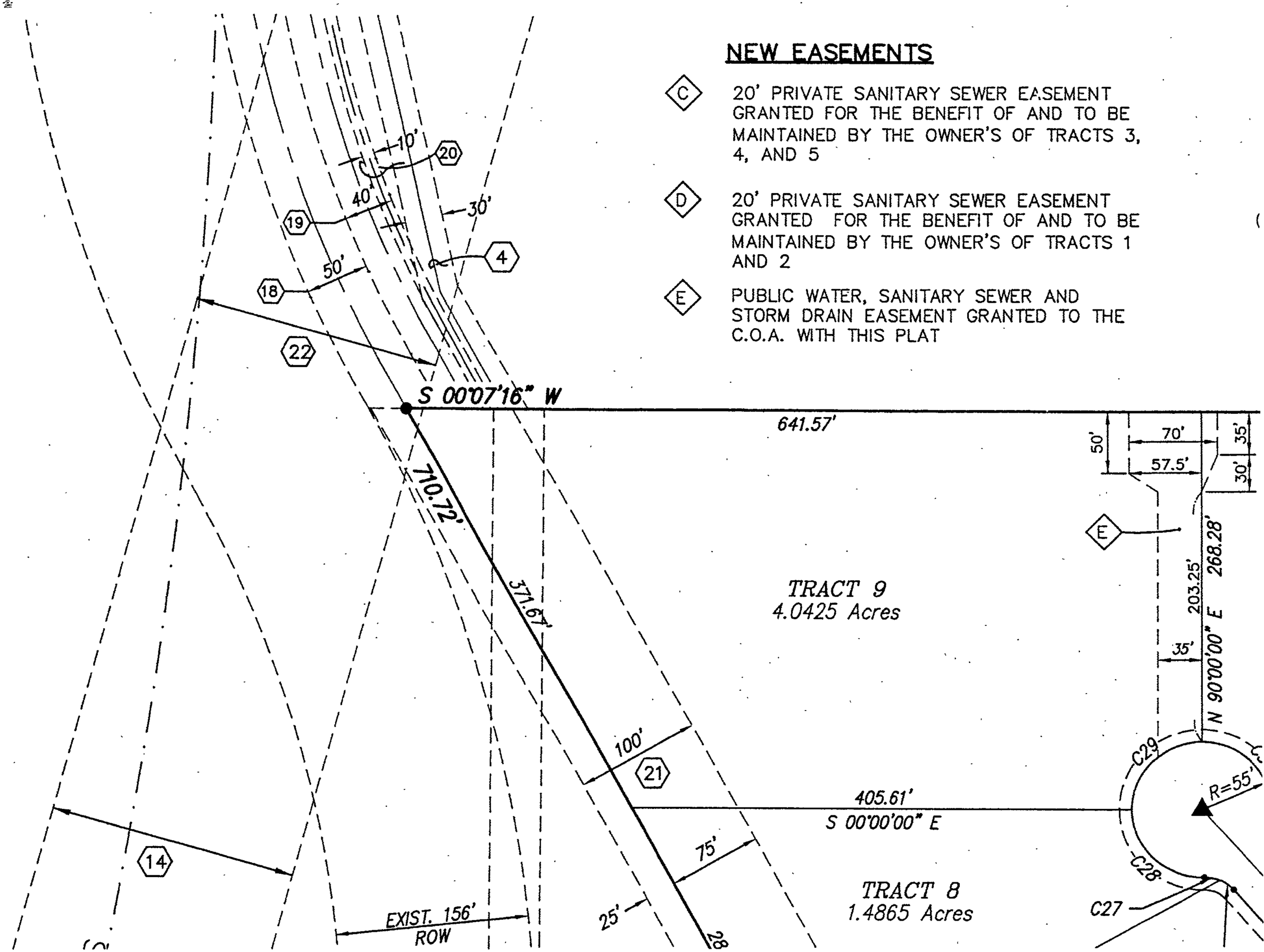
   PLAT FOR "TRACTS U-1, U-2, U NORTE SUBDIVISION", (09-19-02
   PLAT FOR "TRACTS T-2-A-1, T- (06-19-01, 2001C-171)
   PLAT FOR "TRACTS T-2-A, T-2- (02-22-01, 2001C-58)
   PLAT FOR "VISTA DEL NORTE", (
   PLAT FOR "VILLA DEL NORTE SUI

NEW EASEMENTS

(C) 20' PRIVATE SANITARY SEWER EASEMENT GRANTED FOR THE BENEFIT OF AND TO BE MAINTAINED BY THE OWNER'S OF TRACTS 3, 4, AND 5

(D) 20' PRIVATE SANITARY SEWER EASEMENT GRANTED FOR THE BENEFIT OF AND TO BE MAINTAINED BY THE OWNER'S OF TRACTS 1 AND 2

(E) PUBLIC WATER, SANITARY SEWER AND STORM DRAIN EASEMENT GRANTED TO THE C.O.A. WITH THIS PLAT



OCTOBER 10, 2005

SUPPLEMENTAL INFORMATION

FOR

JERRY CLINE PARK
Tennis Court Expansion

BY

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque, New Mexico 87108
Ph. 505-268-8828 Fax. 505-268-2632

JERRY CLINE PARK ADDITION
DRAINAGE SUMMARY
October 10, 2005

I&A Project No.	1482
Architect:	Lee Gamelsky
Site Address:	Constitution and Louisiana NE
Legal:	U.N.M. Parcels "A", "B" and "C" Albuquerque, New Mexico
Zone Map:	J-19
Flood Zone:	Zone X (500 Year) + a portion of Zone AO (Depth 1)

Drainage Summary:

The existing Jerry Cline Park is a developed Parks and Recreation property located at the northeast corner of Constitution Avenue and Lousiana Blvd. NE. Interstate 40 abuts the property to the north. Currently, the site drains to the northwest portion of the property where it enters a detention area and is passed to the I-40 Storm Drain system through existing inlets.

The proposed construction will add six tennis courts, expand the parking, and add a clubhouse structure with associated walks and landscaping. An interior storm drain system will be constructed to collect drainage at existing and proposed collection points and route them beyond the proposed additions to the existing detention area at the northwest corner of the property.

Per the calculations, the improved park site will generate 53.5 cfs during a 100-year, 6-hour storm event.

The following Analysis Points have been used to size the proposed storm drain system.

AP1: Surface drainage at the northwest end of the expanded parking area combines Sub-basin (SB) 2 + SB 3 = 11.7 cfs.

AP2: Flow within graded swale = AP1 + SB 1 = 27.5 cfs.

AP3: Storm Drain confluence combines SB's 4, 5, 6, 7 and 8 = 7.3 cfs.

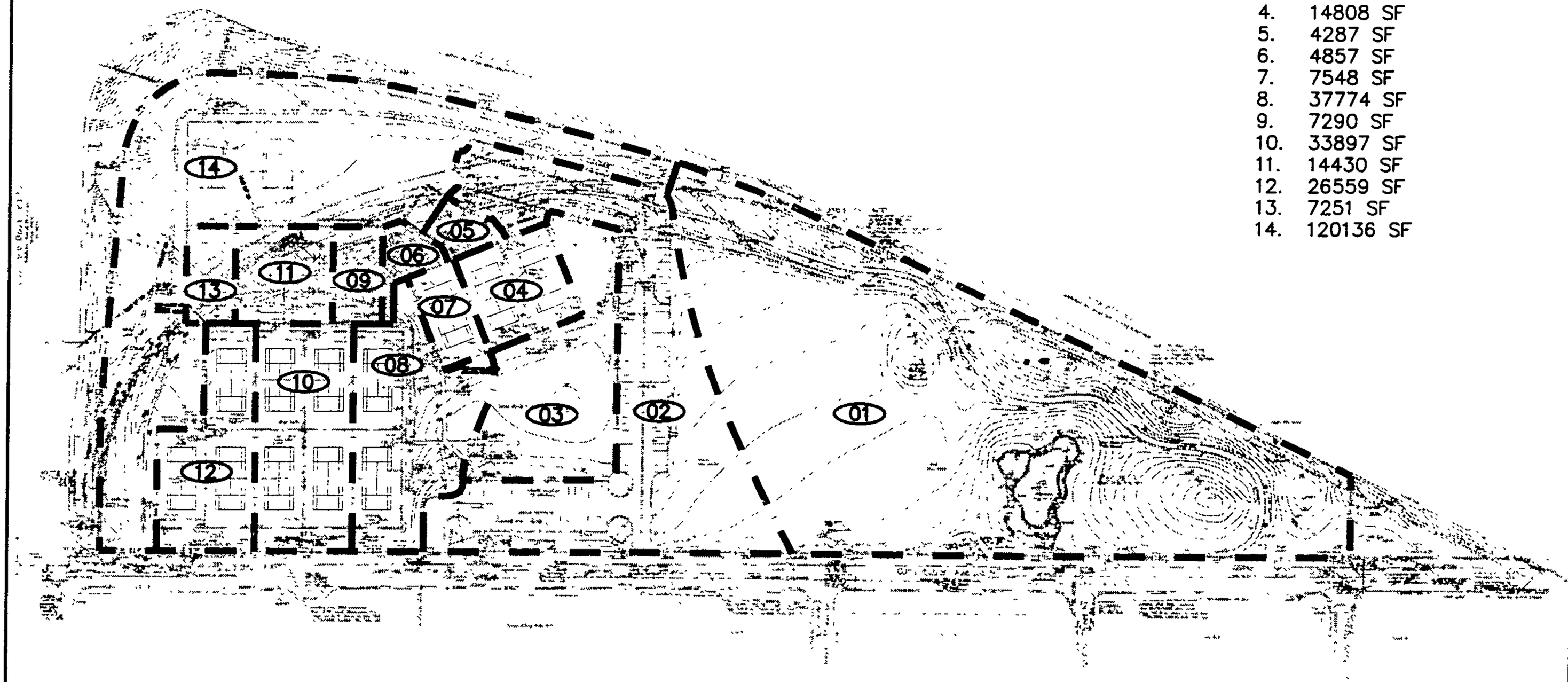
AP4: Storm Drain outlet to existing 60" RCP combines AP2 + SB's 9, 10 and 11 = 13.6 cfs.

Sub-basin 12 (3.0 cfs) enters existing 60" RCP storm drain at existing MH

Sub-basins 13 and 14 discharge to detention area at northwest corner of property to enter I-40 storm drain system at existing inlet.

SUB BASIN AREAS

1. 227319 SF
2. 92116 SF
3. 39545 SF
4. 14808 SF
5. 4287 SF
6. 4857 SF
7. 7548 SF
8. 37774 SF
9. 7290 SF
10. 33897 SF
11. 14430 SF
12. 26559 SF
13. 7251 SF
14. 120136 SF



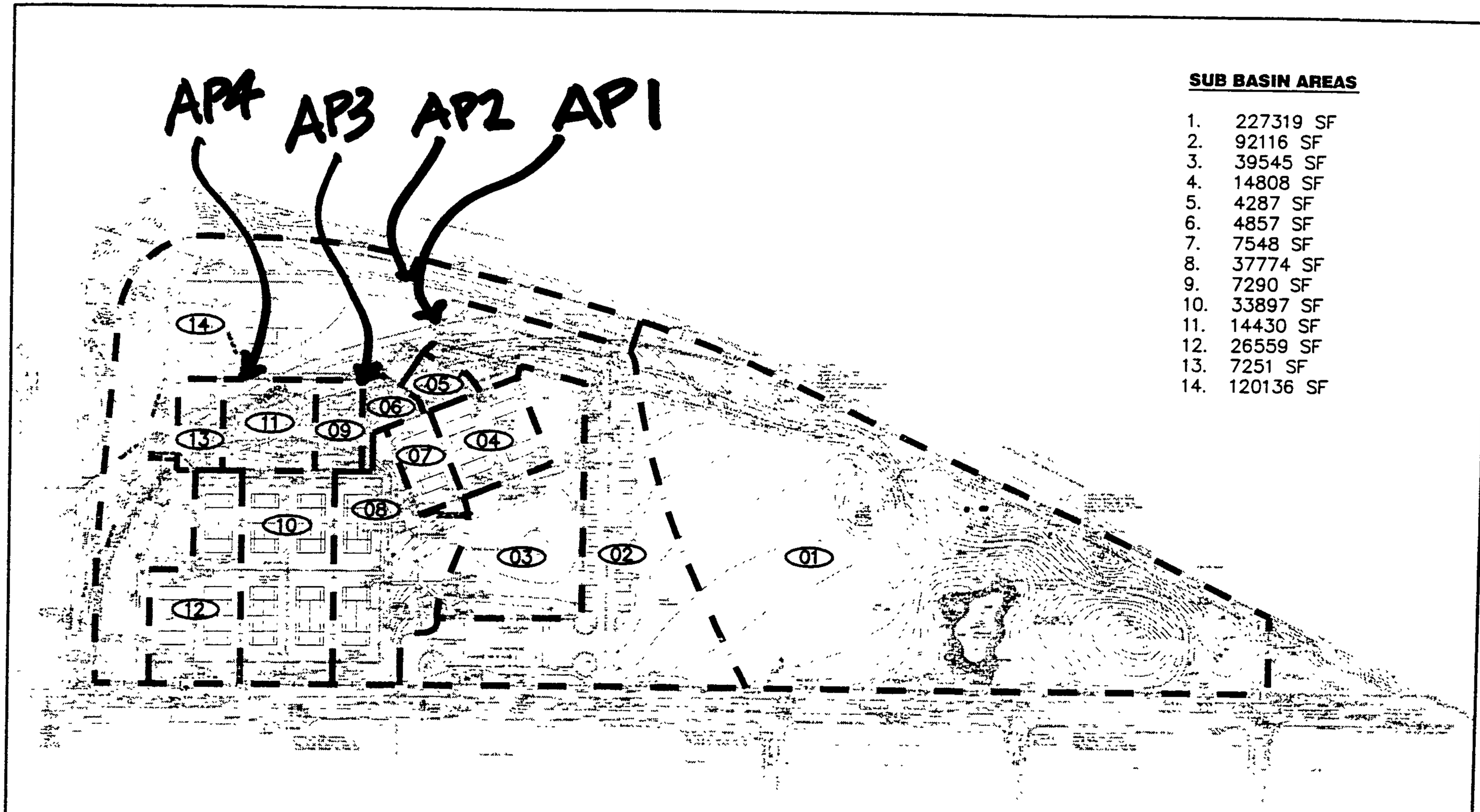
SUB-BASIN EXHIBIT

SCALE: 1"=200'

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque, New Mexico 87108
Ph. 505-268-8828 Fax. 505-268-2632

1482EXH-BASINS.DWGthor 10.10.05

M:\ACTIVE\LD4\1482\dwg\1482EXH-BASINS.dwg, 10/10/2005 9:58:28 AM



SUB BASIN AREAS

1. 227319 SF
2. 92116 SF
3. 39545 SF
4. 14808 SF
5. 4287 SF
6. 4857 SF
7. 7548 SF
8. 37774 SF
9. 7290 SF
10. 33897 SF
11. 14430 SF
12. 26559 SF
13. 7251 SF
14. 120136 SF

ANALYSIS PTS.

SUB-BASIN EXHIBIT

SCALE:
1"=200'

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque, New Mexico 87108
Ph. 505-268-8828 Fax. 505-268-2632
1482EXH-BASINS.DWGthor 10.10.05

M:\ACTIVE\LD4\1482\dwg\1482EXH-BASINS.dwg, 10/10/2005 9:58:28 AM

DEVELOPED CONDITIONS : SUMMARY

Basin No.	Description		DISCHARGE		Comments
1	Surface Drainage	=	15.8	cfs	
2	Surface Drainage	=	9.1	cfs	
3	Surface Drainage through Sidewalk Culvert	=	2.6	cfs	
4	To Storm Drain Inlet	=	1.7	cfs	
5	To Storm Drain Inlet	=	0.5	cfs	
6	To Storm Drain Inlet	=	0.6	cfs	
7	To Storm Drain Inlet	=	0.9	cfs	
8	To Storm Drain Inlet	=	3.6	cfs	
9	To Storm Drain Inlet	=	0.8	cfs	
10	To Storm Drain Inlet	=	3.8	cfs	
11	To Storm Drain Inlet	=	1.7	cfs	
12	To Storm Drain Inlet	=	3.0	cfs	
13	Surface Drainage	=	0.8	cfs	
14	Surface Drainage	=	8.6	cfs	
TOTAL DISCHARGE - DEVELOPED CONDITIONS		**=**	**53.5**	**CFS**	

AP AREA SHOWN ON THIS PANEL
ED WITHIN TOWNSHIP 10 NORTH, RANGE 3 EAST
VNSHIP 10 NORTH, RANGE 4 EAST.

CUTLER AVENUE

SKY COURT CIRCLE

STREET

ARVADA AVENUE

AVENUE

JEANNEDALE DRIVE

STREET

INDIANA

LEAH DRIVE

EUCLID AVENUE

ESPANOLA

ZONE AO
(DEPTH 1)

100 - YEAR FLOOD
CONFINED TO
CONSTRUCTED CHANNEL

DRIVE

AMERICAS MARRIOTT

PARKWAY

40

40

ZONE A

Channel

NIMERMAN

STREET

STREET

AVENUE

STREET

STREET

KENTUCKY

RAMP

18

100 - YEAR FLOOD
CONFINED TO
CONSTRUCTED CHANNEL

ZONE A

ZONE X

SITE

Embudo Channel

ZONE AO
(DEPTH 1)

ZONE X

DAKOTA

FLORIDA

STREET

ILLINOIS

ONSTITUTION

AVENUE

GEORGIA

INDIANA

STREET

R3E

R4E

35°05'37"

106°33'45"

FIRM #352

CALCULATIONS: Jerry Cline Park - Tennis Court Expansion : October 10, 2005

Calculations are based on the Drainage Design Criteria for City of Albuquerque Section 22.2, DPM, Vol 2, dated Jan., 1993

ON-SITE

AREA OF SITE: 637817 SF = 14.64 Ac.

BASIN NO. 1 **Surface Drainage**

Area of basin flows = 227319 SF = 5.2 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 1.18 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 22287 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 15.8 cfs

TREATMENT	
A =	20%
B =	40%
C =	25%
D =	15%

BASIN NO. 2 **Surface Drainage**

Area of basin flows = 92116 SF = 2.1 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 1.93 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 14800 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 9.1 cfs

TREATMENT	
A =	0%
B =	30%
C =	0%
D =	70%

BASIN NO. 3 **Surface Drainage through Sidewalk Culvert**

Area of basin flows = 39545 SF = 0.9 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 1.06 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 3506 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 2.6 cfs

TREATMENT	
A =	0%
B =	90%
C =	0%
D =	10%

BASIN NO. 4 **To Storm Drain Inlet**

Area of basin flows = 14808 SF = 0.3 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 2.36 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 2912 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 1.7 cfs

TREATMENT	
A =	0%
B =	0%
C =	0%
D =	100%

BASIN NO. 5 **To Storm Drain Inlet**

Area of basin flows = 4287 SF = 0.1 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 2.36 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 843 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 0.5 cfs

TREATMENT	
A =	0%
B =	0%
C =	0%
D =	100%

CALCULATIONS: Jerry Cline Park - Tennis Court Expansion : October 10, 2005

Calculations are based on the Drainage Design Criteria for City of Albuquerque Section 22.2, DPM, Vol 2, dated Jan., 1993

ON-SITE

AREA OF SITE: 637817 SF = 14.64 Ac.

BASIN NO. 6 **To Storm Drain Inlet**

Area of basin flows = 4857 SF = 0.1 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 2.36 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 955 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 0.6 cfs

TREATMENT	
A =	0%
B =	0%
C =	0%
D =	100%

BASIN NO. 7 **To Storm Drain Inlet**

Area of basin flows = 7548 SF = 0.2 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 2.36 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 1484 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 0.9 cfs

TREATMENT	
A =	0%
B =	0%
C =	0%
D =	100%

BASIN NO. 8 **To Storm Drain Inlet**

Area of basin flows = 37774 SF = 0.9 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 1.84 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 5790 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 3.6 cfs

TREATMENT	
A =	0%
B =	25%
C =	15%
D =	60%

BASIN NO. 9 **To Storm Drain Inlet**

Area of basin flows = 7290 SF = 0.2 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 2.36 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 1434 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 0.8 cfs

TREATMENT	
A =	0%
B =	0%
C =	0%
D =	100%

BASIN NO. 10 **To Storm Drain Inlet**

Area of basin flows = 33897 SF = 0.8 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 2.29 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 6463 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 3.8 cfs

TREATMENT	
A =	0%
B =	5%
C =	0%
D =	95%

CALCULATIONS: Jerry Cline Park - Tennis Court Expansion : October 10, 2005

Calculations are based on the Drainage Design Criteria for City of Albuquerque Section 22.2, DPM, Vol 2, dated Jan., 1993

ON-SITE

AREA OF SITE: 637817 SF = 14.64 Ac.

BASIN NO. 11 **To Storm Drain Inlet**

Area of basin flows = 14430 SF = 0.3 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 2.36 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 2838 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 1.7 cfs

TREATMENT	
A =	0%
B =	0%
C =	0%
D =	100%

BASIN NO. 12 **To Storm Drain Inlet**

Area of basin flows = 26559 SF = 0.6 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 2.29 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 5064 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 3.0 cfs

TREATMENT	
A =	0%
B =	5%
C =	0%
D =	95%

BASIN NO. 13 **Surface Drainage**

Area of basin flows = 7251 SF = 0.2 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 2.36 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 1426 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 0.8 cfs

TREATMENT	
A =	0%
B =	0%
C =	0%
D =	100%

BASIN NO. 14 **Surface Drainage**

Area of basin flows = 120136 SF = 2.8 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 1.21 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 12114 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 8.6 cfs

TREATMENT	
A =	0%
B =	65%
C =	20%
D =	15%

CULVERTS

AP2

AP1

PAD GRADE
5282.5

AP4=13.6 cfs

AP3=7.3 cfs

24" ϕ

24" ϕ

24" ϕ

FF.
5284.83

1.7 cfs

0.8 cfs

0.5 cfs

12" ϕ

1.7 cfs

18" ϕ

18" ϕ

0.16 cfs

12" ϕ

12" ϕ

0.9 cfs

12" ϕ

18" ϕ

3.6 cfs

3.0 cfs

3.8 cfs

EAST 60' SDE

EAST 60' SDE

EAST 12' SD

M:\ACTIVE\LD4\1482\dwg\1482GRDDTL.dwg, 10/10/2005 1:26:19 PM

AP1 - Discharge through curb opening
Worksheet for Rectangular Channel

Project Description	
Project File	c:\haestad\academic\fmw\1482.fm2
Worksheet	Discharge from Parking
Flow Element	Rectangular Channel
Method	Manning's Formula
Solve For	Discharge

Input Data		
Mannings Coefficient	0.013	
Channel Slope	0.010000	ft/ft
Depth	0.50	ft
Bottom Width	4.00	ft

Results		
Discharge	12.41	cfs
Flow Area	2.00	ft²
Wetted Perimeter	5.00	ft
Top Width	4.00	ft
Critical Depth	0.67	ft
Critical Slope	0.004137	ft/ft
Velocity	6.21	ft/s
Velocity Head	0.60	ft
Specific Energy	1.10	ft
Froude Number	1.55	
Flow is supercritical.		

← < 11.7 ACTUAL

12" ADS N-12 Storm Drain @ 1% slope
Worksheet for Circular Channel

Project Description	
Project File	c:\haestad\academic\fmw\1482.fm2
Worksheet	12" Storm Drain
Flow Element	Circular Channel
Method	Manning's Formula
Solve For	Discharge

Input Data		
Mannings Coefficient	0.012	
Channel Slope	0.010000	ft/ft
Depth	0.67	ft
Diameter	12.00	in

Results		
Discharge	3.03	cfs
Flow Area	0.56	ft²
Wetted Perimeter	1.91	ft
Top Width	0.94	ft
Critical Depth	0.75	ft
Percent Full	66.67	
Critical Slope	0.007491	ft/ft
Velocity	5.44	ft/s
Velocity Head	0.46	ft
Specific Energy	1.13	ft
Froude Number	1.25	
Maximum Discharge	4.15	cfs
Full Flow Capacity	3.86	cfs
Full Flow Slope	0.006145	ft/ft
Flow is supercritical.		

18" ADS N-12 Storm Drain @ 1% slope
Worksheet for Circular Channel

Project Description	
Project File	c:\haestad\academic\fmw\1482.fm2
Worksheet	18" Storm Drain
Flow Element	Circular Channel
Method	Manning's Formula
Solve For	Discharge

Input Data		
Mannings Coefficient	0.012	
Channel Slope	0.010000	ft/ft
Depth	1.00	ft
Diameter	18.00	in

Results		
Discharge	8.92	cfs
Flow Area	1.25	ft²
Wetted Perimeter	2.87	ft
Top Width	1.41	ft
Critical Depth	1.16	ft
Percent Full	66.67	
Critical Slope	0.006952	ft/ft
Velocity	7.13	ft/s
Velocity Head	0.79	ft
Specific Energy	1.79	ft
Froude Number	1.34	
Maximum Discharge	12.24	cfs
Full Flow Capacity	11.38	cfs
Full Flow Slope	0.006145	ft/ft
Flow is supercritical.		

24" ADS N-12 Storm Drain @ 1% slope
Worksheet for Circular Channel

Project Description	
Project File	c:\haestad\academic\fmw\1482.fm2
Worksheet	24" Storm Drain
Flow Element	Circular Channel
Method	Manning's Formula
Solve For	Discharge

Input Data		
Mannings Coefficient	0.012	
Channel Slope	0.010000	ft/ft
Depth	1.50	ft
Diameter	24.00	in

Results		
Discharge	22.35	cfs
Flow Area	2.53	ft²
Wetted Perimeter	4.19	ft
Top Width	1.73	ft
Critical Depth	1.69	ft
Percent Full	75.00	
Critical Slope	0.007929	ft/ft
Velocity	8.84	ft/s
Velocity Head	1.21	ft
Specific Energy	2.71	ft
Froude Number	1.29	
Maximum Discharge	26.36	cfs
Full Flow Capacity	24.51	cfs
Full Flow Slope	0.008315	ft/ft
Flow is supercritical.		

CITY OF ALBUQUERQUE

November 14, 2005

Lee Gamelsky, R.A.
Lee Gamelsky Architects P.C.
2412 Miles Road SE
Albuquerque, NM 87106

Re: Jerry Cline Park/Tennis Courts, 7205 Constitution Ave. NE
Traffic Circulation Layout-Architect's Stamp dated X-XX-XX (J19-D26)

Dear Mr. Gamelsky,

Based upon the information provided in your submittal received 11-2-05, the above referenced plan cannot be approved for Building Permit until the following comments are addressed:

- Provide parking calculations designating the number of parking spaces required by zoning as well as the number of parking spaces proposed.
- Sign and date the Traffic Circulation Plan.
- Provide a minimum width of 8' for the proposed sidewalk at locations where the parking stalls overhang the sidewalk or provide a minimum parking stall length of 20' with parking bumpers.
- Provide a minimum width of 8'-6" for proposed ADA parking stalls.
- Provide Solid Waste approval.

If you have any questions, you can contact me at 924-3991.

Sincerely,

Wilfred A. Gallegos, P.E.
Traffic Engineer, Planning Dept.
Development and Building Services

C: file

P.O. Box 1293
Albuquerque
New Mexico 87103
www.cabq.gov

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(Rev. 06/22/2005)

PROJECT TITLE: C.O.A. JERRY CLINE PARK TENNIS COURTS ZONE MAP/DRG. FILE #: J-19/D26
DRB#: — EPC#: 1002402, FILE: 05-01406 WORK ORDER#:
LEGAL DESCRIPTION: (SEE ATTACHED) A PORTION OF UNM PARCELS "A", "B" AND "C" WITHIN NW 1/4 SECTION 18, T10N, R4E, NMPM; AND PARCEL OF LAND OBTAINED FROM N.M. STATE HIGHWAY AND TRANSPORTATION DEPT.
CITY ADDRESS: 7205 CONSTITUTION AVE. NE

ENGINEERING FIRM: ISAACSON & ARFMAN, P.A. CONTACT: Scott McGee
ADDRESS: 128 MONROE ST. N.E. PHONE: 505.268.8828
CITY, STATE: ALBUQUERQUE, NM 87108 ZIP CODE: 87108

OWNER: CITY OF ALBUQUERQUE / PARKS & REC. DEPT. CONTACT: PETE PEÑA
ADDRESS: ONE CIVIC PLAZA PHONE: 768.3858
CITY, STATE: ZIP CODE:

ARCHITECT: LEE GAMELSKY ARCHITECTS P.C. CONTACT: LEE GAMELSKY
ADDRESS: 2412 MILES ROAD SE PHONE: 505.842.8865
CITY, STATE: ALBUQUERQUE, NM 87106 ZIP CODE: 87106

SURVEYOR: FORSTBAUER SURVEYING L.L.C. CONTACT: RON FORSTBAUER
ADDRESS: 4116 LOMAS BLVD. NE PHONE: 505.268.2112
CITY, STATE: ALBUQUERQUE, NM 87110 ZIP CODE: 87110

CONTRACTOR: CONTACT:
ADDRESS: PHONE:
CITY, STATE: ZIP CODE:

TYPE OF SUBMITTAL:
_____ DRAINAGE REPORT
_____ DRAINAGE PLAN 1st SUBMITTAL
_____ DRAINAGE PLAN RESUBMITTAL
_____ CONCEPTUAL G & D PLAN
_____ GRADING PLAN
_____ EROSION CONTROL PLAN
_____ ENGINEER'S CERT (HYDROLOGY)
_____ CLOMR/LOMR
__X__ TRAFFIC CIRCULATION LAYOUT
_____ ENGINEER'S CERT (TCL)
_____ ENGINEER'S CERT (DRB SITE PLAN)
_____ OTHER

CHECK TYPE OF APPROVAL SOUGHT:
_____ SIA/FINANCIAL GUARANTEE RELEASE
_____ PRELIMINARY PLAT APPROVAL
_____ S. DEV. PLAN FOR SUB'D APPROVAL
_____ S. DEV. FOR BLDG. PERMIT APPROVAL
_____ SECTOR PLAN APPROVAL
_____ FINAL PLAT APPROVAL
_____ FOUNDATION PERMIT APPROVAL
__X__ BUILDING PERMIT APPROVAL
_____ CERTIFICATE OF OCCUPANCY (PERM)
_____ CERTIFICATE OF OCCUPANCY (TEMP)
_____ GRADING PERMIT APPROVAL
_____ PAVING PERMIT APPROVAL
_____ WORK ORDER APPROVAL
_____ OTHER (SPECIFY)

RECEIVED
NOV 02 2005
HYDROLOGY SECTION

WAS A PRE-DESIGN CONFERENCE ATTENDED:
_____ YES
__X__ NO
_____ COPY PROVIDED

SUBMITTED BY: _____ DATE: 11.1.05

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan**. Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.

2. **Drainage Plans**: Required for building permits, grading permits, paving permits and site plans less than five (5) acres.

3. **Drainage Report**: Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more.

- SIGN & DATE ✓
- SIDEWALK MIN WIDTH OF 8' ✓
  OR 20' STALLS W/ BUMPERS
- PARKING CALCS ✓
- 8' STALLS ADA (MIN WIDTH 8'-6")
- AISLE RUN LONG
- SOLID WASTE

Site Data

LOCATION: 7205 CONSTITUTION AVENUE NE, ALBUQUERQUE, NEW MEXICO

LEGAL DESCIPTION: A PORTION OF UNM PARCELS "A", "B" AND "C" WITHIN NW 1/4 SECTION 18, T10N, R4E, NMPM; AND PARCEL OF LAND OBTAINED FROM N.M. STATE HIGHWAY AND TRANSPORTATION DEPARTMENT BY QUIT CLAIM DEED, RIGHT OF WAY PARCEL, PER PROJECT N.M.P. IM-NH-TPU-040-3(90)163/PCN 2633.

LOT AREA: 649,900 S.F. (14.91 ACRES)

CURRENT ZONING: SU-2 / O-1 / R-2

NOTE: THIS PROJECT HAS BEEN APPROVED BY ADMINISTRATIVE AMENDMENT PROJECT:1002402, FILE: 05-01406.

CITY OF ALBUQUERQUE

November 18, 2005

Lee Gamelsky, R.A.
Lee Gamelsky Architects P.C.
2412 Miles Road SE
Albuquerque, NM 87106

Re: Jerry Cline Park/Tennis Courts, 7205 Constitution Ave. NE
Traffic Circulation Layout-Architect's Stamp dated 11-17-05 (J19-D26)

Dear Mr. Gamelsky,

The TCL submittal received 11-18-05 is approved for Building Permit. The plan is stamped and signed as approved. A copy of this plan shall be inserted into each set of the building permit plans. Please keep the original to be used for final C.O. certification of the site required by Transportation.

If a temporary CO is needed, a copy of the original TCL that was stamped as approved by the City will be needed. This plan must include a statement that identifies the outstanding items that need to be constructed or the items that have not been built in "substantial compliance," as well as the signed and dated stamp of a NM registered architect or engineer. Submit this TCL with a completed Drainage and Transportation Information Sheet to Hydrology at the Development Services Center of Plaza Del Sol Building.

When the site is completed and a final C.O. is requested, use the original City stamped approved TCL for certification. A NM registered architect or engineer must stamp, sign, and date the certification TCL along with indicating that the development was built in "substantial compliance" with the TCL. Submit this certification TCL with a completed Drainage and Transportation Information Sheet to Hydrology at the Development Services Center of Plaza Del Sol Building.

Once verification of certification is completed and approved, notification will be made to Building Safety to issue Final C.O. To confirm that a final C.O. has been issued, call Building Safety at 924-3306.

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

Sincerely,

Phillip J. Lovato, E.I., C.F.M.
Engineering Associate, Planning Dept.
Development and Building Services

cc: file

Re-Submittal

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(Rev. 06/22/2005)

PROJECT TITLE: C.O.A. JERRY CLINE PARK TENNIS COURTS ZONE MAP/DRG. FILE #: J-19 - D126
DRB#: — EPC#: 1002402, FILE: 05-01406 WORK ORDER#:
LEGAL DESCRIPTION: (SEE ATTACHED) A PORTION OF UNM PARCELS "A", "B" AND "C" WITHIN NW 1/4 SECTION 18, T10N, R4E, NMPM; AND PARCEL OF LAND OBTAINED FROM N.M. STATE HIGHWAY AND TRANSPORTATION DEPT.
CITY ADDRESS: 7205 CONSTITUTION AVE. NE

ENGINEERING FIRM: ISAACSON & ARFMAN, P.A.
ADDRESS: 128 MONROE ST. NE.
CITY, STATE: ALBUQUERQUE, NM 87108
CONTACT: Scott McGee
PHONE: 505.268.8828
ZIP CODE: 87108

OWNER: CITY OF ALBUQUERQUE / PARKS & REC. DEPT.
ADDRESS: ONE CIVIC PLAZA
CITY, STATE:
CONTACT: PETE PEÑA
PHONE: 768.3858
ZIP CODE:

ARCHITECT: LEE GAMELSKY ARCHITECTS P.C.
ADDRESS: 2412 MILES ROAD SE
CITY, STATE: ALBUQUERQUE, NM 87106
CONTACT: LEE GAMELSKY
PHONE: 505.842.8865
ZIP CODE: 87106

SURVEYOR: FORSTBAUER SURVEYING L.L.C.
ADDRESS: 9116 LOMAS BLVD. NE
CITY, STATE: ALBUQUERQUE, NM 87110
CONTACT: RON FORSTBAUER
PHONE: 505.268.2112
ZIP CODE: 87110

CONTRACTOR:
ADDRESS:
CITY, STATE:
CONTACT:
PHONE:
ZIP CODE:

TYPE OF SUBMITTAL:
_____ DRAINAGE REPORT
_____ DRAINAGE PLAN 1st SUBMITTAL
_____ DRAINAGE PLAN RESUBMITTAL
_____ CONCEPTUAL G & D PLAN
_____ GRADING PLAN
_____ EROSION CONTROL PLAN
_____ ENGINEER'S CERT (HYDROLOGY)
_____ CLOMR/LOMR
__X__ TRAFFIC CIRCULATION LAYOUT
_____ ENGINEER'S CERT (TCL)
_____ ENGINEER'S CERT (DRB SITE PLAN)
_____ OTHER

CHECK TYPE OF APPROVAL SOUGHT:
_____ SIA/FINANCIAL GUARANTEE RELEASE
_____ PRELIMINARY PLAT APPROVAL
_____ S. DEV. PLAN FOR SUB'D APPROVAL
_____ S. DEV. FOR BLDG. PERMIT APPROVAL
_____ SECTOR PLAN APPROVAL
_____ FINAL PLAT APPROVAL
_____ FOUNDATION PERMIT APPROVAL
__X__ BUILDING PERMIT APPROVAL
_____ CERTIFICATE OF OCCUPANCY (PERM)
_____ CERTIFICATE OF OCCUPANCY (TEMP)
_____ GRADING PERMIT APPROVAL
_____ PAVING PERMIT APPROVAL
_____ WORK ORDER APPROVAL
_____ OTHER (SPECIFY)

WAS A PRE-DESIGN CONFERENCE ATTENDED:
_____ YES
__X__ NO
_____ COPY PROVIDED

RECEIVED
NOV 18 2005
LAND DEVELOPMENT SECTION

SUBMITTED BY: W. Gamelsky DATE: 11.17.05

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan**: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.

2. **Drainage Plans**: Required for building permits, grading permits, paving permits and site plans less than five (5) acres.

3. **Drainage Report**: Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more.

Site Data

LOCATION: 7205 CONSTITUTION AVENUE NE, ALBUQUERQUE, NEW MEXICO

LEGAL DESCIPTION: A PORTION OF UNM PARCELS "A", "B" AND "C" WITHIN NW 1/4 SECTION 18, T10N, R4E, NMPM; AND PARCEL OF LAND OBTAINED FROM N.M. STATE HIGHWAY AND TRANSPORTATION DEPARTMENT BY QUIT CLAIM DEED, RIGHT OF WAY PARCEL, PER PROJECT N.M.P. IM-NH-TPU-040-3(90)163/PCN 2633.

LOT AREA: 649,900 S.F. (14.91 ACRES)

CURRENT ZONING: SU-2 / O-1 / R-2

NOTE: THIS PROJECT HAS BEEN APPROVED BY ADMINISTRATIVE AMENDMENT PROJECT:1002402, FILE: 05-01406.

Promise to pay

PLAN LOCATION LOG

Date Received 10/14 Plan Check Application No. 0516513 Plan Check Fee $

JOB ADDRESS 7205 Constitution Ave NE 87110 OWNER: City of Alb.

DESCRIPTION OF WORK tennis Courts, New parking, relocate Modular Bldg

	TYPE OF PERMIT	ENV HEALTH	REFUSE	ZONING	TRAFFIC ENGINEERING	HYDROLOGY	IMPACT FEES	INT'L BLDG. CODE	FIRE MARSHALL	UPC UMC/NEC
	NEW 1 & 2 SFD MODULAR			F: D: A:		F: D: A:	F: R:	F: D: A:		
Y	NEW APTS / COMM / PUBL MODULAR	F: 10/14 D: A: 10/17	F: 10/17 D: A: 10/17	F: 10/14 D: A: 10/14	F: 10/17 D: 10/18 A:	F: 10/17 D: #5 A: 10/18	F: [illegible] R:	F: 10/19 D: A: 10/31	F: 11/1 D: A: 11/1	F: 11/1 D: A: 11/1
	ADDITIONS APTS / COMM / PUBLIC	F: D: A:	F: D: A:	F: D: A:	F: D: A:	F: D: A:	F: 10/19 R: 10/19	F: D: A:	F: D: A:	F: D: A:
	ALTERATIONS APTS / COMM / PUBLIC	F: D: A:		F: D: A:			F: R:	F: D: A:	F: D: A:	F: D: A:
	FOUNDATION ONLY			F: D: A:		F: D: A:		F: D: A:		
	SWIMMING POOLS COMMERCIAL	F: D: A:		F: D: A:				F: D: A:		F: D: A:
	SIGNS			F: D: A:				F: D: A:		

F=Forwarded D=Disapproved A=Approved

NOTIFIED: Lee Gamiskey 842-8865 DATE: PLAN CHECK PROCESS COMPLETED

NOTIFIED: Greg

DATE BUILDING PERMIT ISSUED:

Comments: 10/19 Impact fees need DRC approval

Shipping Information:

RECEIVED
OCT 18 2005
LAND DEVELOPMENT SECTION

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(REV. 1/28/2003rd)

PROJECT TITLE: Jerry Cline Park additions
ZONE MAP / DRG. FILE #: J-19 / D26
DRB #: _____ EPC #: _____
WORK ORDER #: 677401

LEGAL DESCRIPTION: U.N.M. Parcels A, B AND C – Albuquerque, New Mexico
CITY ADDRESS: Northeast corner of Constitution Ave. and Louisiana Blvd. NE

ENGINEERING FIRM: Isaacson & Arfman, P.A.
CONTACT: Bryan Bobrick
ADDRESS: 128 Monroe St. NE
PHONE: 268-8828
CITY, STATE: Albuquerque, NM
ZIP CODE: 87108

OWNER: COA
CONTACT: _____
ADDRESS: _____
PHONE: _____
CITY, STATE: _____
ZIP CODE: _____

ARCHITECT: Lee Gamelsky Architects
CONTACT: Lee Gamelsky
ADDRESS: 2412 Miles Road SE
PHONE: 842-8865
CITY, STATE: Albuquerque, New Mexico
ZIP CODE: 87106

SURVEYOR: Forstbauer Surveying Co.
CONTACT: Ron Forstbauer
ADDRESS: _____
PHONE: 268-2112
CITY, STATE: Albuquerque, New Mexico
ZIP CODE: _____

CONTRACTOR: _____
CONTACT: _____
ADDRESS: _____
PHONE: _____
CITY, STATE: _____
ZIP CODE: _____

CHECK TYPE OF SUBMITTAL:
_____ DRAINAGE REPORT
_____ DRAINAGE PLAN 1ST *REQUIRES TCL or equal*
__X__ DRAINAGE PLAN RESUBMITTAL
_____ CONCEPTUAL GRADING & DRAINAGE PLAN
__X__ GRADING PLAN
_____ EROSION CONTROL PLAN
_____ ENGINEER'S CERTIFICATION (HYDROLOGY)
_____ CLOMR / LOMR
_____ TRAFFIC CIRCULATION LAYOUT (TCL)
_____ ENGINEER'S CERTIFICATION (TCL)
_____ ENGINEER'S CERTIFICATION (DRB APPR, SITE PLAN)
_____ OTHER

CHECK TYPE OF APPROVAL SOUGHT:
_____ SIA / FINANCIAL GUARANTEE RELEASE
_____ PRELIMINARY PLAT APPROVAL
_____ S. DEV. PLAN FOR SUB'D APPROVAL
_____ S. DEV. PLAN FOR BLDG PERMIT APPR
_____ SECTOR PLAN APPROVAL
_____ FINAL PLAT APPROVAL
_____ FOUNDATION PERMIT APPROVAL
_____ BUILDING PERMIT APPROVAL
_____ CERTIFICATE OF OCCUPANCY (PERM)
_____ CERTIFICATE OF OCCUPANCY (TEMP)
_____ GRADING PERMIT APPROVAL
_____ PAVING PERMIT APPROVAL
__X__ WORK ORDER APPROVAL
_____ OTHER

WAS A PRE-DESIGN CONFERENCE ATTENDED:
_____ YES
_____ NO
_____ COPY PROVIDED

RECEIVED
SEP 14 2006
HYDROLOGY SECTION

DATE SUBMITTED: Thursday, September 14, 2006
BY: Scott McGee
Isaacson & Arfman, P.A.

Requests for approvals of Site Development Plans and / or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope of the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. Conceptual Grading and Drainage Plan: Required for approval of Site Development Plans greater than five acres and Sector Plans
2. Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five acres
3. Drainage Report: Required for subdivisions containing more than ten (10) lots or constituting five acres or more.

364

ISAACSON & ARFMAN, P.A.

CONSULTING ENGINEERING ASSOCIATES

128 MONROE STREET NE
ALBUQUERQUE, NM 87108
PH: 505.268.8828
FAX: 505.268.2632

A Letter of Transmittal From: Bryan Bobrick

To	C.O.A.
Address	
City	
Attention	Brad Bingham and Dan Hogan
Date	14 Sep, 06 **Job No.** 1482
RE	Jerry Cline Park

WE ARE SENDING YOU: ● Attached ○ Under Separate Cover

1. Proposed Grading and Drainage Plan for your review
2.
3.
4.
5.
6.
7.
8.
9.
10.

RECEIVED
SEP 14 2006
HYDROLOGY SECTION

COMMENTS:

Brad / Dan

Attached are copies of our proposed Grading and Drainage Plan for the Jerry Cline Tennis Park on the corner of Louisiana Blvd. and Constitution Ave. NE.

The site is an existing retention area that has experienced flooding during recent rains. The COA has had to pump the water out to the street on numerous occastions. There is an existing storm sewer system passing through the property that is under pressure during a heavy storm event. Water backs up into the property from the existing inlet as well as from the surrounding surface drainage. We propose to add domed grate inlets in the three major retention areas so that once the surge has passed, the areas will drain to the system. The number of inlets is not based on volume or discharge rate but is based on the large amount of plant debris and garbage that end up in this low area. The hope is that the additional inlets will help ensure that even with significant clogging, the ponds will drain through the remaining openings.

Please don't hesitate to call Scott McGee, Project Engineer or me if you have any questions.

Thanks - Bryan Bobrick

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

December 23, 2002

Roni G. Booth, PE
ABQ Engineering Inc.
1631 Eubank Blvd. NE, Suite C
Albuquerque, NM 87112

RE: Tennis Service Center at Jerry Kline Park
Grading and Drainage Plan (J-19/D26)
Engineer's Stamp Dated December 5, 2002

Dear Mr. Booth:

The above referenced grading and drainage plan received December 6, 2002 is approved for Grading Permit. The engineer will submit grading certification per the DPM to Hydrology upon completion of the project.

If you have any questions please call me at 924-3982

Sincerely,

Carlos A. Montoya, PE
City Floodplain Administrator

C: File

DRAINAGE INFORMATION SHEET

J-19/D26

PROJECT TITLE: TENNIS SERVICE CENTER AT JERRY KLINE PARK ZONE MAP/DRG. FILE #: ~~J-19-2~~
DRB #: _____ EPC#: _____ WORK ORDER#: _____

LEGAL DESCRIPTION: A PORTION OF U.N.M PARCELS "A" "B" & "C" ALBUQUERQUE, BERN. CO. N.M.
CITY ADDRESS: P.O BOX 1293 ALBUQUERQUE NM 87103-1293

ENGINEERING FIRM: ABQ ENGINEERING INC. CONTACT: STEVE KNEE
ADDRESS: 1631 ELBANK BLVD NE STE C PHONE: 255-7802
CITY, STATE: ALBUQUERQUE NM ZIP CODE: 87112

OWNER: CITY OF ALBUQUERQUE CONTACT: _____
ADDRESS: _____ PHONE: _____
CITY, STATE: _____ ZIP CODE: _____

ARCHITECT: LEE GAMELSKY ARCHITECTS CONTACT: LEE GAMELSKY
ADDRESS: 2412 MILES RD SE PHONE: 842-8565
CITY, STATE: ALBUQUERQUE NM ZIP CODE: 87106

SURVEYOR: _____ CONTACT: _____
ADDRESS _____ PHONE: _____
CITY, STATE: _____ ZIP CODE: _____

CONTRACTOR: _____ CONTACT: _____
ADDRESS: _____ PHONE: _____
CITY, STATE: _____ ZIP CODE: _____

TYPE OF SUBMITTAL:
- ____ DRAINAGE REPORT
- ____ DRAINAGE PLAN
- ____ CONCEPTUAL GRADING & DRAINAGE PLAN
- X GRADING PLAN
- ____ EROSION CONTROL PLAN
- ____ ENGINEER'S CERTIFICATION
- ____ CLOMR/LOMR
- ____ OTHER

WAS A PRE-DESIGN CONFERENCE ATTENDED:
- ____ YES
- ____ NO
- ____ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:
- ____ SIA / FINANCIAL GUARANTEE RELEASE
- ____ 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
- X GRADING PERMIT APPROVAL
- ____ PAVING PERMIT APPROVAL
- ____ WORK ORDER APPROVAL
- ____ OTHER (SPECIFY)

DATE SUBMITTED: 12/6/02 BY: _____

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature , location and scope ot the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan**: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.
2. **Drainage Plans**: Required for building permits, grading permits, paving permits and site plans less than five (5) acres.
3. **Drainage Report**: Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or more.

RECEIVED
DEC 0 6 2002
HYDROLOGY SECTION

DRAINAGE INFORMATION SHEET

J-19/D26

PROJECT TITLE: Tenlus Service Center at Jerry Kline Park ZONE MAP/DRG. FILE #: J-19-2
DRB #: _____ EPC#: _____ WORK ORDER#: _____

LEGAL DESCRIPTION: A Portion of U.N.M. Parcels "A" "B" & "C" Albuquerque, Bern. Co. N.M.
CITY ADDRESS: P.O Box 1293 Albuquerque NM 87103-1293

ENGINEERING FIRM: ABQ Engineering Inc. — CONTACT: Steve Knee
ADDRESS: 1631 Edbank Blvd NE Ste C — PHONE: 255-7802
CITY, STATE: Albuquerque NM — ZIP CODE: 87112

OWNER: City of Albuquerque — CONTACT: _____
ADDRESS: _____ — PHONE: _____
CITY, STATE: _____ — ZIP CODE: _____

ARCHITECT: Lee Gamelsky Architects — CONTACT: Lee Gamelsky
ADDRESS: 2412 Miles Rd SE — PHONE: 842-8865
CITY, STATE: Albuquerque NM — ZIP CODE: 87106

SURVEYOR: _____ — CONTACT: _____
ADDRESS _____ — PHONE: _____
CITY, STATE: _____ — ZIP CODE: _____

CONTRACTOR: _____ — CONTACT: _____
ADDRESS: _____ — PHONE: _____
CITY, STATE: _____ — ZIP CODE: _____

TYPE OF SUBMITTAL:
- ____ DRAINAGE REPORT
- ____ DRAINAGE PLAN
- ____ CONCEPTUAL GRADING & DRAINAGE PLAN
- X GRADING PLAN (revised)
- ____ EROSION CONTROL PLAN
- ____ ENGINEER'S CERTIFICATION
- ____ CLOMR/LOMR
- ____ OTHER

WAS A PRE-DESIGN CONFERENCE ATTENDED:
- ____ YES
- ____ NO
- ____ COPY PROVIDED

RECEIVED
JAN 02 2003
HYDROLOGY SECTION

CHECK TYPE OF APPROVAL SOUGHT:
- ____ SIA / FINANCIAL GUARANTEE RELEASE
- ____ 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
- X GRADING PERMIT APPROVAL
- ____ PAVING PERMIT APPROVAL
- ____ WORK ORDER APPROVAL
- X OTHER (SPECIFY) ADDED ADDITIONAL PARKING PER COA STAFF REQUIREMENTS.

DATE SUBMITTED: 01/02/03 BY: _____

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature , location and scope ot the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan**: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.
2. **Drainage Plans**: Required for building permits, grading permits, paving permits and site plans less than five (5) acres.
3. **Drainage Report**: Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or more