

File

Clark Consulting Engineers

19 Ryan Road

Edgewood, New Mexico 87015

E-Mail ccealibq@aol.com

SHEET 1 OF 1

Fax: (505) 281-2444

DATE: 5/22/08

PROJECT: 585

Revised G/D

Tele: (505) 281-2444

ATTN: Blvd B.

CALCULATIONS

Capacity of Sump Inlet, Fig. 7, \neq CoA # 2220.

where: $h = 0.4'$ $\Rightarrow (.74 \times 17.5)$ (point of double) = 12.95 cfs

Then, where: $h = 1.4'$ $\Rightarrow 2(.64 \times 4.5)$ double grate Area of Sump = 57.6 cfs

\therefore 32.2 cfs, using $h = 0.83'$ provided

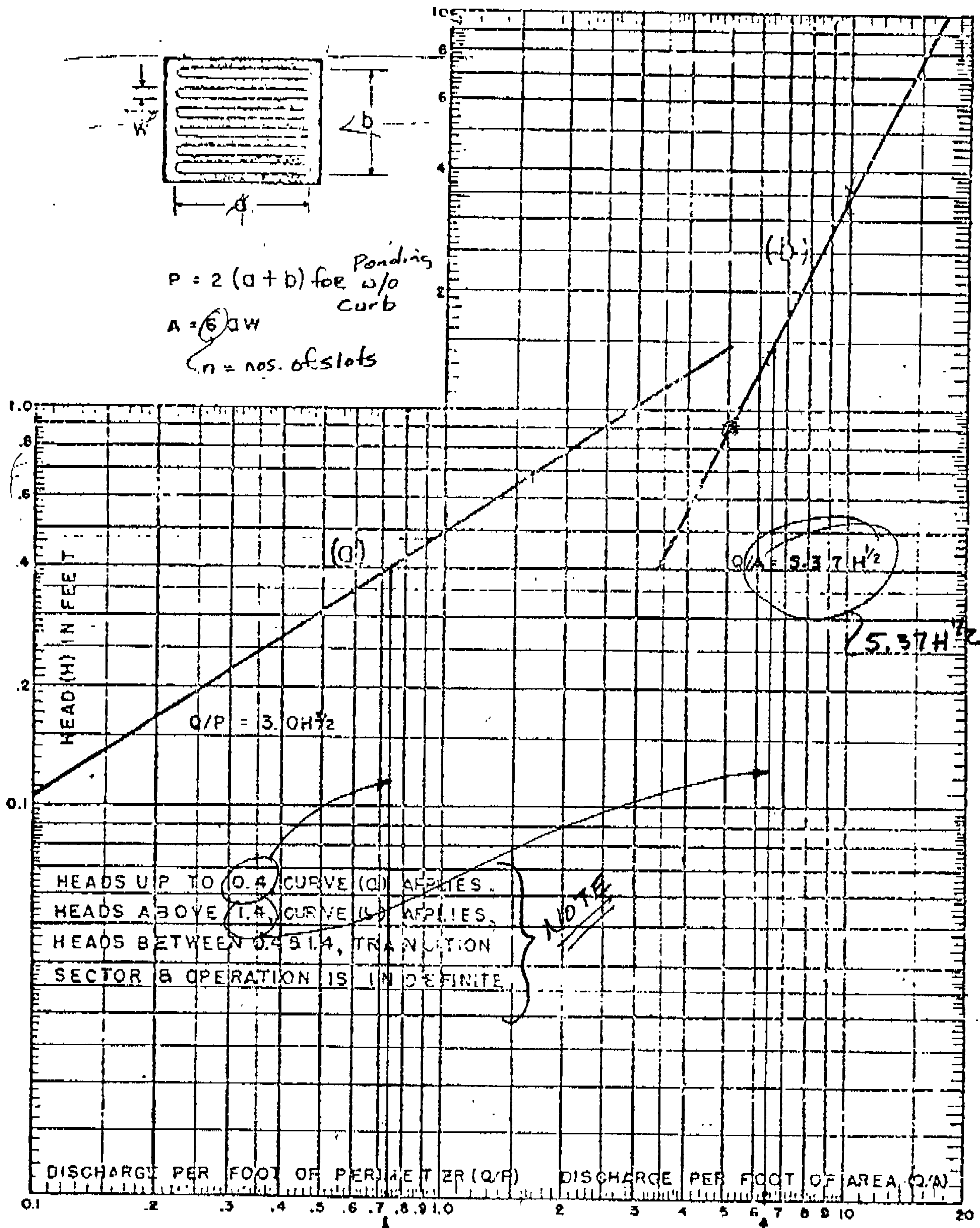
See Note: Fig. 7

The above is the analysis of a Double 'D' Inlet in a Low Spot (Sump) with 10" (0.83') of Head and is conservative by not using curb opening

File

Designing to Shape the Future

FIGURE 7



CAPACITY OF GRATE INLET IN SUMP
WATER PONDED ON GRATE

$$\sum_{\text{perim. double}} = 2(80+25)/12 = 17.5'$$

$$\sum_{\text{perim.}} = 2(40+25)/12 = 10.8'$$

$$\sum_{\text{Grate}} = 4.5' \times 1.5' \times 12 \times 8 = 4.5 \text{ S.F.}$$

hydraulic Area

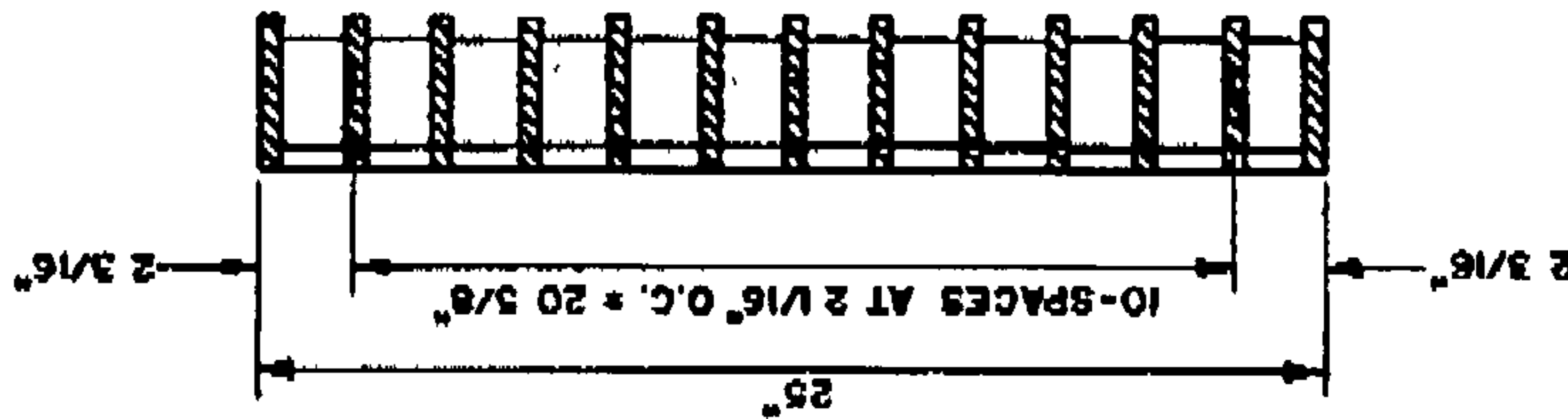
GENERAL NOTES:

1. ALL BARS SHALL BE STRUCTURAL GRADE STEEL, GRADE A36.
2. THE GRATE SHALL BE WELDED WITH 1/8" FILLET WELD AROUND BOTH SIDES OF CROSS BARS, 1/4". FILLET WELD BOTH SIDES OF BEARING BARS TO END BARS.
3. AFTER CLEANING SURFACE OF SCALE, RUST, OILS, ETC., PAINT GRATE WITH ONE SHOP COAT RED OXIDE, TWO FINISH COATS ALUMINUM PAINT (AASHTO M 69).
4. TOP OF CROSS BARS SHALL BE FLUSH WITH TOP OF GRATE.
5. GRIND WELDS FLUSH WITH BEARING BARS.
6. WHEN INSTALLED IN FRAME, PUSH TIGHT TO ONE SIDE, OTHER SIDE SHALL HAVE 1/2" MAX. OPENING. SPACERS WELDED TO FRAME MAY BE USED IF REQUIRED TO KEEP 1/2" SPACE OR LESS.

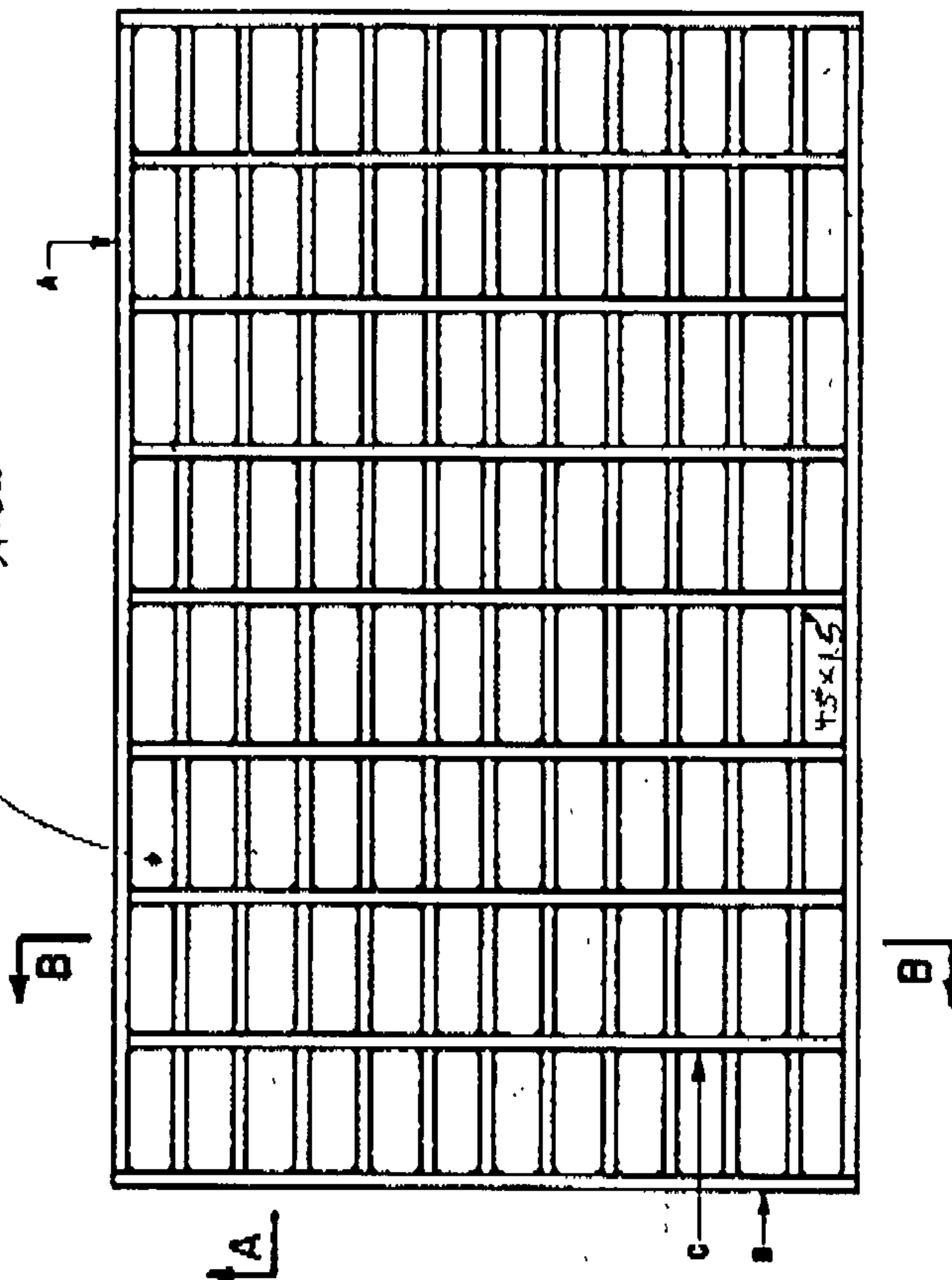
CONSTRUCTION NOTES:

- A. BEARING BARS, (13) 1/2" X 3 1/2" X 39"
- B. END BARS, (2) 1/2" X 3" X 25"
- C. CROSS BARS, (7) 1/2" DIA. X 24"

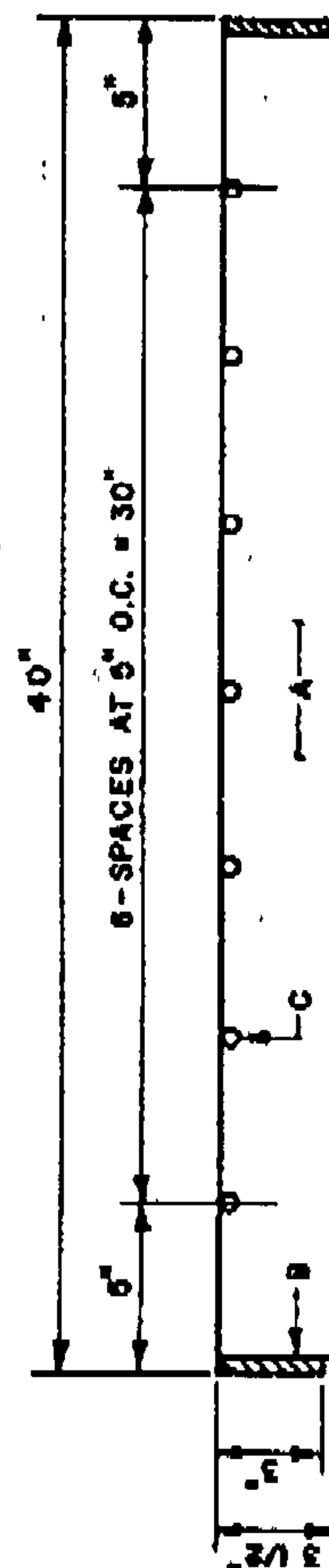
SECTION B-B



PLAN



SECTION A-A



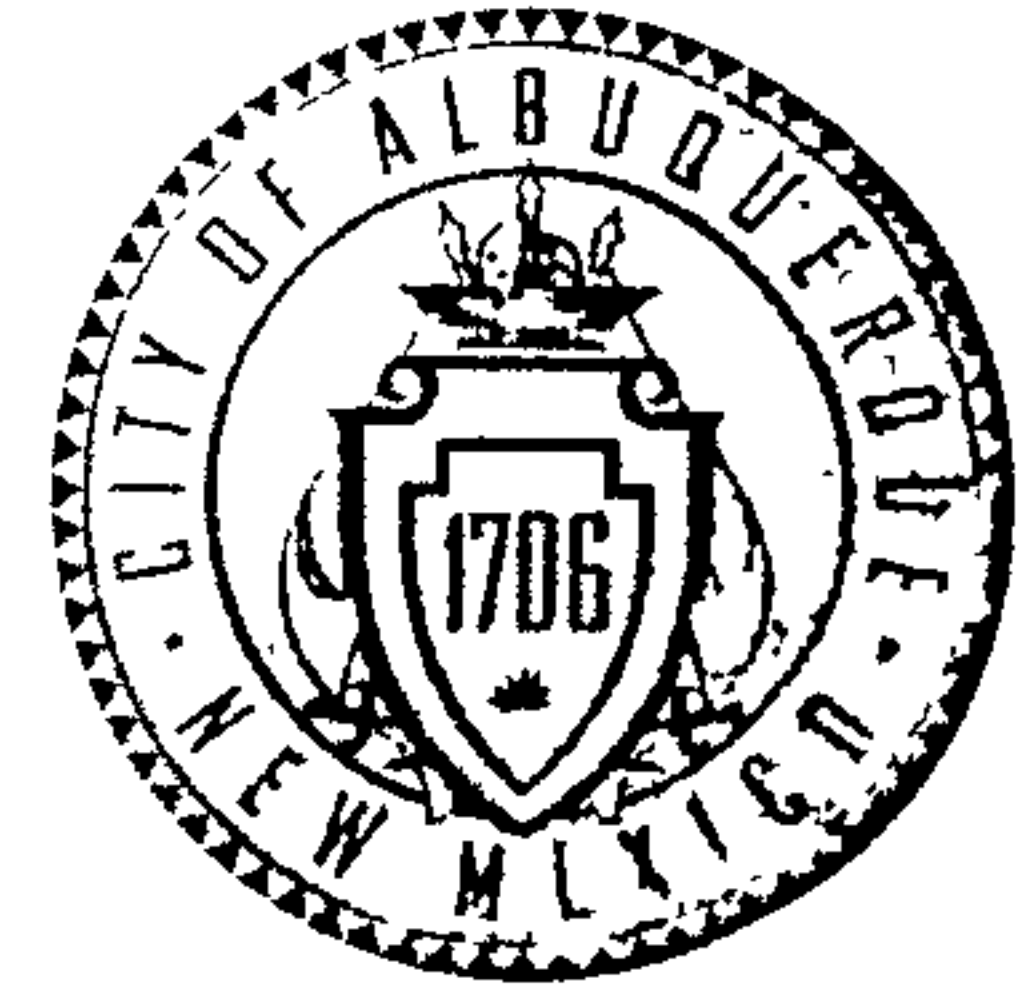
CITY OF ALBUQUERQUE

**DRAINAGE
STORM INLET
ALBUQUERQUE GRATE**

DWG. 2220

AUG. 1966

CITY OF ALBUQUERQUE



**Planning Department
Transportation Development Services Section**

July 18, 2008

James C. Lewis, Registered Architect
1620 Central Avenue SE
Albuquerque, NM 87106

Re: Certification Submittal for Final Building Certificate of Occupancy for
Stewart & Stevenson Building, [J-10 / D042]
6565 Hanover Road NW
Architect's Stamp Dated 07/18/08

Dear Mr. Lewis:

PO Box 1293

The TCL / Letter of Certification submitted on July 18, 2008 is sufficient for acceptance by this office for final Certificate of Occupancy (C.O.). Notification has been made to the Building and Safety Section.

Albuquerque

Sincerely,

NM 87103

www.cabq.gov

Nilo E. Salgado-Fernandez, P.E.
Senior Traffic Engineer
Development and Building Services
Planning Department

c: Engineer
Hydrology file
CO Clerk

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(REV 12/2005)

PROJECT TITLE: Stewart & Stevenson ZONE MAP: J-10/P042
DRB#: _____ EPC#: _____ WORK ORDER#: _____

LEGAL DESCRIPTION: Tract 270-A, Town of Atrisco Grant, Unit 8
CITY ADDRESS: 6565 Hanover Rd NW

ENGINEERING FIRM: _____ CONTACT: _____
ADDRESS: _____ PHONE: _____
CITY, STATE: _____ ZIP CODE: _____

OWNER: John Laurentzen CONTACT: John
ADDRESS: 2909 Yale Blvd SE PHONE: 401-1717
CITY, STATE: ABQ NM ZIP CODE: 87106

ARCHITECT: James C. Lewis Architect CONTACT: Phil
ADDRESS: 1620 Central Ave SE PHONE: 247-1529
CITY, STATE: ABQ NM ZIP CODE: 87106

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

CONTRACTOR: THS Construction CONTACT: Jim
ADDRESS: _____ PHONE: 228-2132
CITY, STATE: ABQ NM 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 (SPECIFY) _____

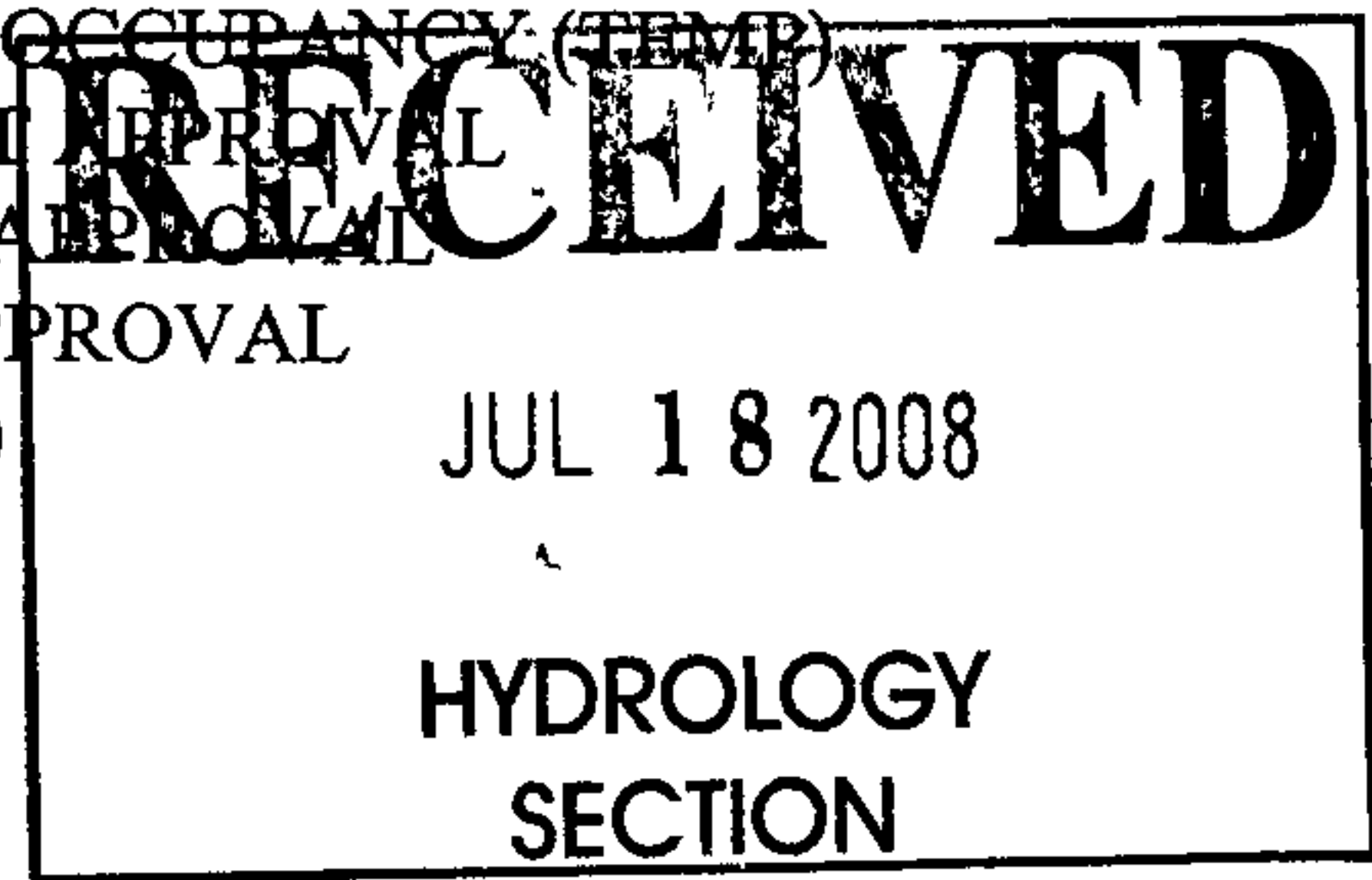
CHECK TYPE OF APPROVAL SOUGHT:
____ SIA/FINANCIAL GUARANTEE RELEASE
____ PRELIMINARY PLAT APPROVAL
____ S. DEV. PLAN FOR SUB'D APPROVAL
____ S. DEV. FOR BLDG. PERMIT APPROVAL
____ SECTOR PLAN APPROVAL
____ FINAL PLAT APPROVAL
____ FOUNDATION PERMIT APPROVAL
____ BUILDING PERMIT APPROVAL
☒ X CERTIFICATE 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

DATE SUBMITTED: 7/18/08 BY: Phil Lightle

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.



James C Lewis Architect

July 18, 2008

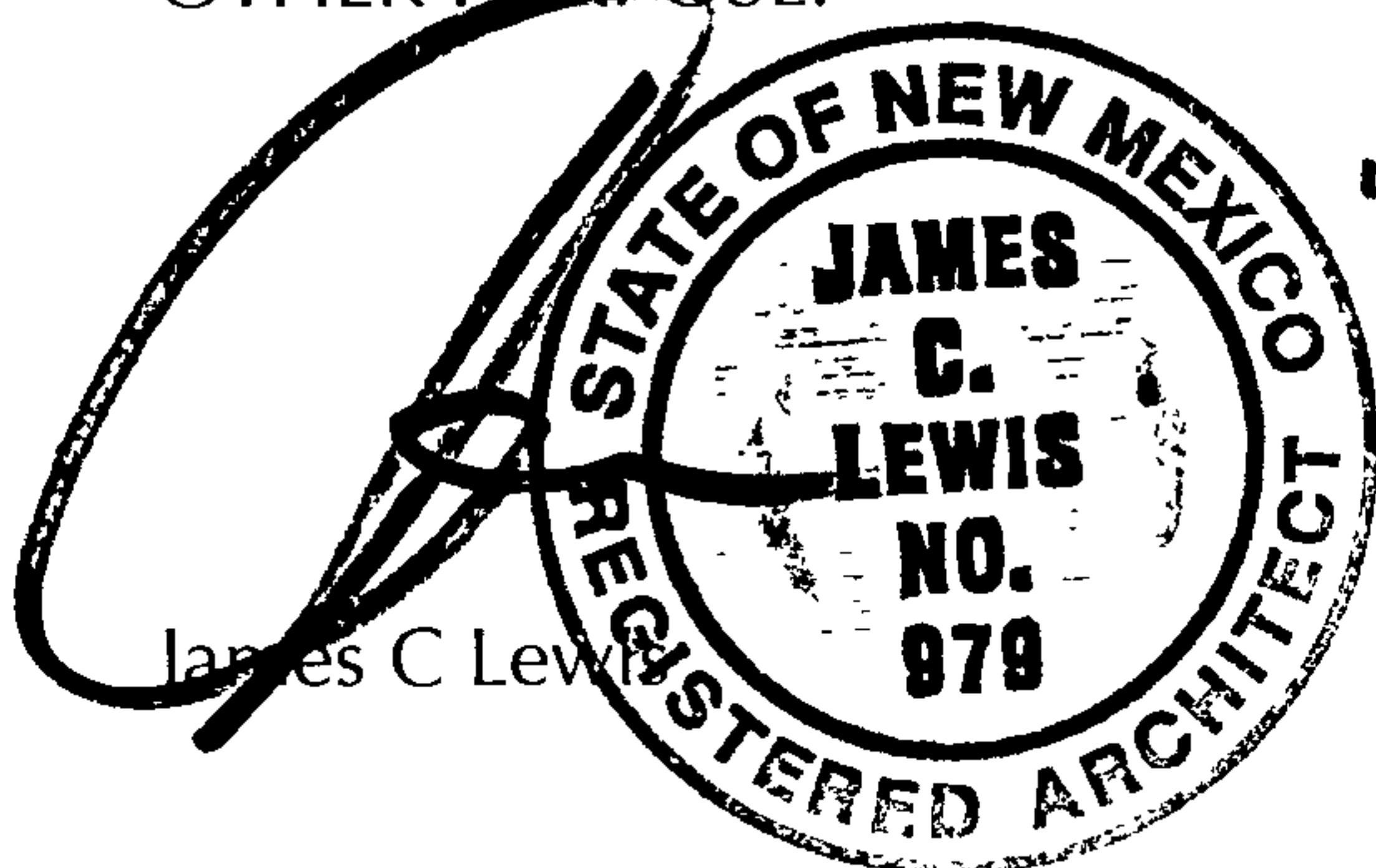
re: Traffic Certification

City of Albuquerque
Traffic Division
P.O. Box 1293
Albuquerque, NM 87103

Re: Stewart and Stevenson Building
6565 Hanover Rd. NW

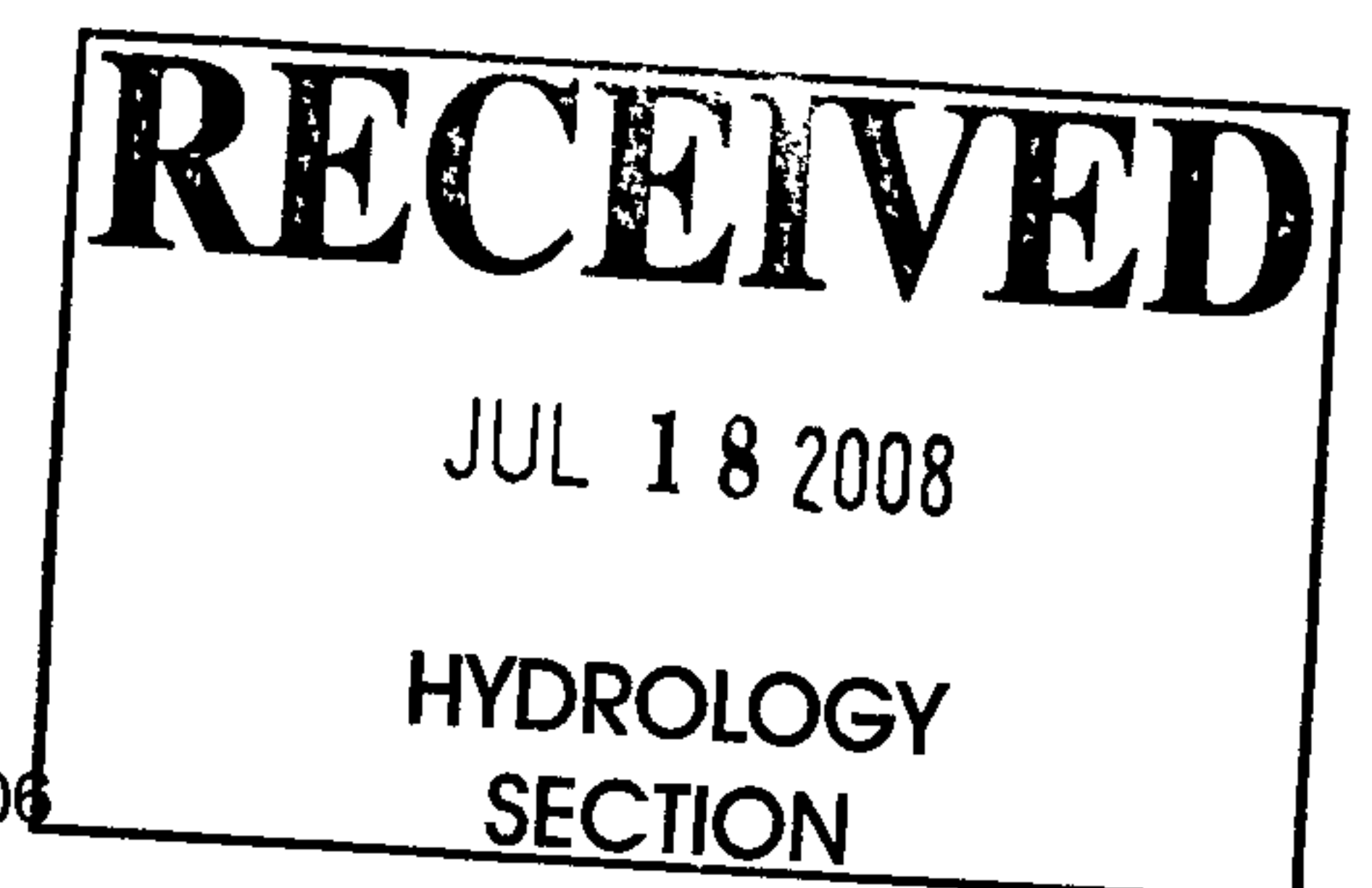
I, James C Lewis, NMRA, of the firm James C. Lewis Architect, Hereby certify that this project is in substantial compliance with and in accordance with the design intent of the DRB, AA or TCL approved plan dated 11/28/07. The record information edited onto the original design document has been obtained by James C. Lewis, of the firm James C. Lewis Architect. I further certify that I have personally visited the project site on 7/16/08 and have determined by visual observation that the survey data provided is representative of actual site conditions and is true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for Permanent Certificate of Occupancy.

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



7/18/08

July 18, 2008



General Design, Inc.
1620 Central Avenue SE • Albuquerque • NM • 87106
(505) 247-1529 • gdi@mac.com

J-10/D042

Date Submitted: 7/18/07

Date Site Plan Approved: _____

Date Preliminary Plat Approved: 4/26/07 7/18/07

Date Preliminary Plat Expires: 4/26/07 7/18/08

DRB Project No.: 1004707

DRB Application No.: 07-20124

10-4-07

6/2/08

6/30/08

ORIGINAL

INFRASTRUCTURE LIST

(Rev. 9-05)

EXHIBIT "A"

TO SUBDIVISION IMPROVEMENTS AGREEMENT

DEVELOPMENT REVIEW BOARD (D.R.B.) REQUIRED INFRASTRUCTURE LIST

TRACT 270-A, TOWN OF ATRISCO GRANT, UNIT 8

PROPOSED NAME OF PLAT AND/OR SITE DEVELOPMENT PLAN

SOUTHERLY PORTION OF TRACTS 269 & 270, TOWN OF ATRISCO GRANT, UNIT 8

EXISTING LEGAL DESCRIPTION PRIOR TO PLATTING ACTION

Following is a summary of PUBLIC/PRIVATE Infrastructure required to be constructed or financially guaranteed for the above development. This Listing is not necessarily a complete listing. During the SIA process and/or in the review of the construction drawings, if the DRC Chair determines that appurtenant items and/or unforeseen items have not been included in the infrastructure listing, the DRC Chair may include those items in the listing and related financial guarantee. Likewise, if the DRC Chair determines that appurtenant or non-essential items can be deleted from the listing, those items may be deleted as well as the related portions of the financial guarantees. All such revisions require approval by the DRC Chair, the User Department and agent/owner. If such approvals are obtained, these revisions to the listing will be incorporated administratively. In addition, any unforeseen items which arise during construction which are necessary to complete the project and which normally are the Subdivider's responsibility will be required as a condition of project acceptance and close out by the City.

Financially Guaranteed DRC #	Constructed Under DRC #	Size	Type of Improvement	Location	From	To	Construction Certification		
							Private Inspector	P.E.	City Cnst Engineer
		4' A	P.C.C. SIDEWALK	HANOVER	FRONTAGE		/	/	/
		5' d	P.C.C. CURB & GUTTER	HANOVER	FRONTAGE		/	/	/
		20'	PAVEMENT	HANOVER	FRONTAGE		/	/	/
		6"	PVC PRIVATE WATER LINE (FIRE PROTECTION)	ON-SITE	90' SOUTH TO HANOVER		/	/	/
		4' Bury	FIRE HYDRANT (PRIVATE)	ON-SITE			/	/	/
			TYPE C MODIFY EXIST DRAINAGE	N. SIDE HANOVER, OPP. SE CORNER OF SITE			/	/	/
		48"	P.C.P. SD	HANOVER	E PL VACATED W 8TH ST.		/	/	/
		48"	P.C.P. SD	VACATED W 8TH	HANOVER I-40 R.O.W		/	/	/
			DOUBLE C DRAINAGE	HANOVER	W 8TH OF EAST PL		/	/	/
			INLET				/	/	/

(Deleted) BDD

2 24" RCP SD

PAGE ____ OF ____

EXIST PROPOSED

INLET INLET

listed below are on the CCIP and approved for Impact Fee credits. Signatures from the Impact Fee Administrator and the City User Department Is required prior to DRB approval of this
ing. The Items listed below are subject to the standard SIA requirements.

Financially Guaranteed DRC #	Constructed Under DRC #	Size	Type of Improvement	Location	From	To	Construction Certification		
							Private Inspector	P.E.	City Cnst Engineer
							/	/	/
							/	/	/
Approval of Creditable Items:							Approval of Creditable Items:		
Impact Fee Administrator Signature Date							City User Dept. Signature Date		

NOTES
If the site is located in a floodplain, then the financial guarantee will not be released until the LOMR is approved by FEMA.
Street lights per City requirements.

1

2

3

AGENT / OWNER	DEVELOPMENT REVIEW BOARD MEMBER APPROVALS	
<u>Dan Graney</u> NAME (print) <u>Surveys Southwest Ltd</u> FIRM <u>Dan Graney 7.06.07</u> SIGNATURE - date	<u>[Signature] 7/18/07</u> DRB CHAIR - date <u>[Signature] 7-18-07</u> TRANSPORTATION DEVELOPMENT - date <u>[Signature] 7/18/07</u> UTILITY DEVELOPMENT - date <u>Bradley L. Bingham 7/18/07</u> CITY ENGINEER - date	<u>Christina Sandoval 7/18/07</u> PARKS & GENERAL RECREATION - date _____ AMAFCA - date _____ - date _____ - date

DESIGN REVIEW COMMITTEE REVISIONS				
REVISION	DATE	DRC CHAIR	USER DEPARTMENT	AGENT / OWNER
1	10-4-07	[Signature]	[Signature]	[Signature]
2	6/2/08		[Signature]	[Signature]
3	6/30/08		[Signature]	[Signature]

CITY OF ALBUQUERQUE



July 08, 2008

Philip W. Clark, P.E.
Clark Consulting Engineers
19 Ryan Road
Edgewood, NM 87015

RE: S & S RV, 6565 Hanover Rd. NW, (J-10/D042)
Request for Permanent Certification of Occupancy
Engineers Stamp dated 09/24/2007
Engineers Certification dated 07/08/2008

Mr. Clark,

PO Box 1293

Based upon the information provided in submittal dated 07/07/2008, the above referenced plan is approved for release of Permanent Certificate of Occupancy by Hydrology.

Albuquerque

If you have any questions, you can contact me at 924-3982.

Sincerely,

NM 87103


Timothy E. Sims

Plan Checker, Planning Dept. - Hydrology
Development and Building Services

www.cabq.gov

C: CO Clerk—Katrina Sigala
File

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 12/05)

PROJECT TITLE: 545 Diesel (RV) ZONE MAP: J-10/D042
 DRB#: 1004707 EPC#: _____ WORK ORDER#: 7943.81

LEGAL DESCRIPTION: TR. 270-A, TAG Unit 8
 CITY ADDRESS: 6565 Hanover NW

ENGINEERING FIRM: Clark Consulting Engineers CONTACT: Phil
 ADDRESS: 19 Ryan Road PHONE: 281-2444& FAX
 CITY, STATE: Edgewood, NM ZIP CODE: 87015

OWNER: John Lorentzen - 6565 Hanover NW LLC CONTACT: John
 ADDRESS: _____ PHONE: 401-1717
 CITY, STATE: _____ ZIP CODE: _____

ARCHITECT: Schlegel - Lewis CONTACT: Phil L.
 ADDRESS: _____ PHONE: _____
 CITY, STATE: _____ ZIP CODE: _____

SURVEYOR: Survey SW CONTACT: Gary
 ADDRESS: _____ PHONE: 259-2009
 CITY, STATE: Albuquerque NM ZIP CODE: _____

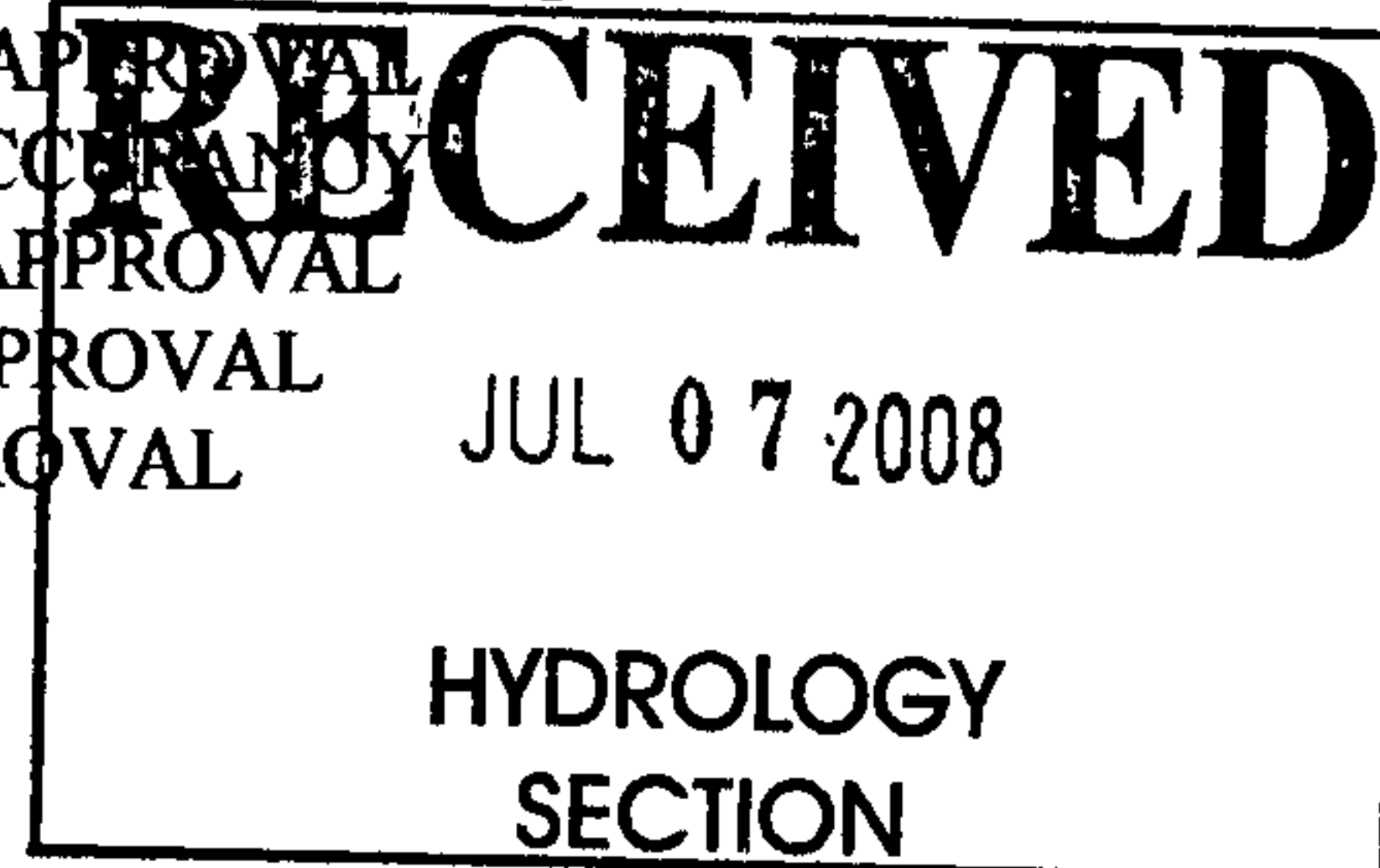
CONTRACTOR: Custom Grading, Inc. CONTACT: Ed/Randy
 ADDRESS: _____ PHONE: _____
 CITY, STATE: _____ ZIP CODE: _____

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
- ☐ 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
- ☒ CERTIFICATE OF OCCUPANCY
- ☐ GRADING PERMIT APPROVAL
- ☐ PAVING PERMIT APPROVAL
- ☐ WORK ORDER APPROVAL
- ☐ OTHER (SPECIFY) _____



WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES
- ☐ NO
- ☐ COPY PROVIDED

DATE SUBMITTED: 7/8/08 BY: [Signature]

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



January 4, 2008

James Lewis, R.A.
General Design, Inc.
1620 Central Ave. SE
Albuquerque, NM 87106

Re: Steward & Stevenson (S&S) RV, 6565 Hanover Rd NW, Traffic Circulation Layout
Architect's Stamp dated 11-28-07 (J10-D42)

Dear Mr. Lewis,

The TCL submittal received 12-12-07 is approved for Building Permit. The plan is stamped and signed as approved. A copy of this plan will be needed for each of the building permit plans. Please keep the original to be used for certification of the site for final C.O. for Transportation. **Public infrastructure or work done within City Right-of-Way shown on these plans is for information only and is not part of approval. A separate DRC and/or other appropriate permits are required to construct these items.**

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

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.

Sincerely,

Kristal D. Metro, P.E.
Senior Engineer, Planning Dept.
Development and Building Services

C: File

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(Rev. 12/2005)

PROJECT TITLE: Stewart & Stevenson ZONE MAP/DRG. FILE #: J-10 10042
DRB#: _____ EPC#: _____ WORK ORDER#: _____

LEGAL DESCRIPTION: ^{tract} Z70-A, Town of Atrisco Grant, Unit 8
CITY ADDRESS: 6565 Hanover Rd NW

ENGINEERING FIRM: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

OWNER: John Lorentzen
ADDRESS: 2909 Yale SE
CITY, STATE: ABQ, NM

CONTACT: _____
PHONE: 401-1717
ZIP CODE: 87106

ARCHITECT: James C. Lewis Arch.
ADDRESS: 1620 Central Ave SE
CITY, STATE: ABQ, NM

CONTACT: PHIL LIGATLE
PHONE: 247-1529
ZIP CODE: 87106

SURVEYOR: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

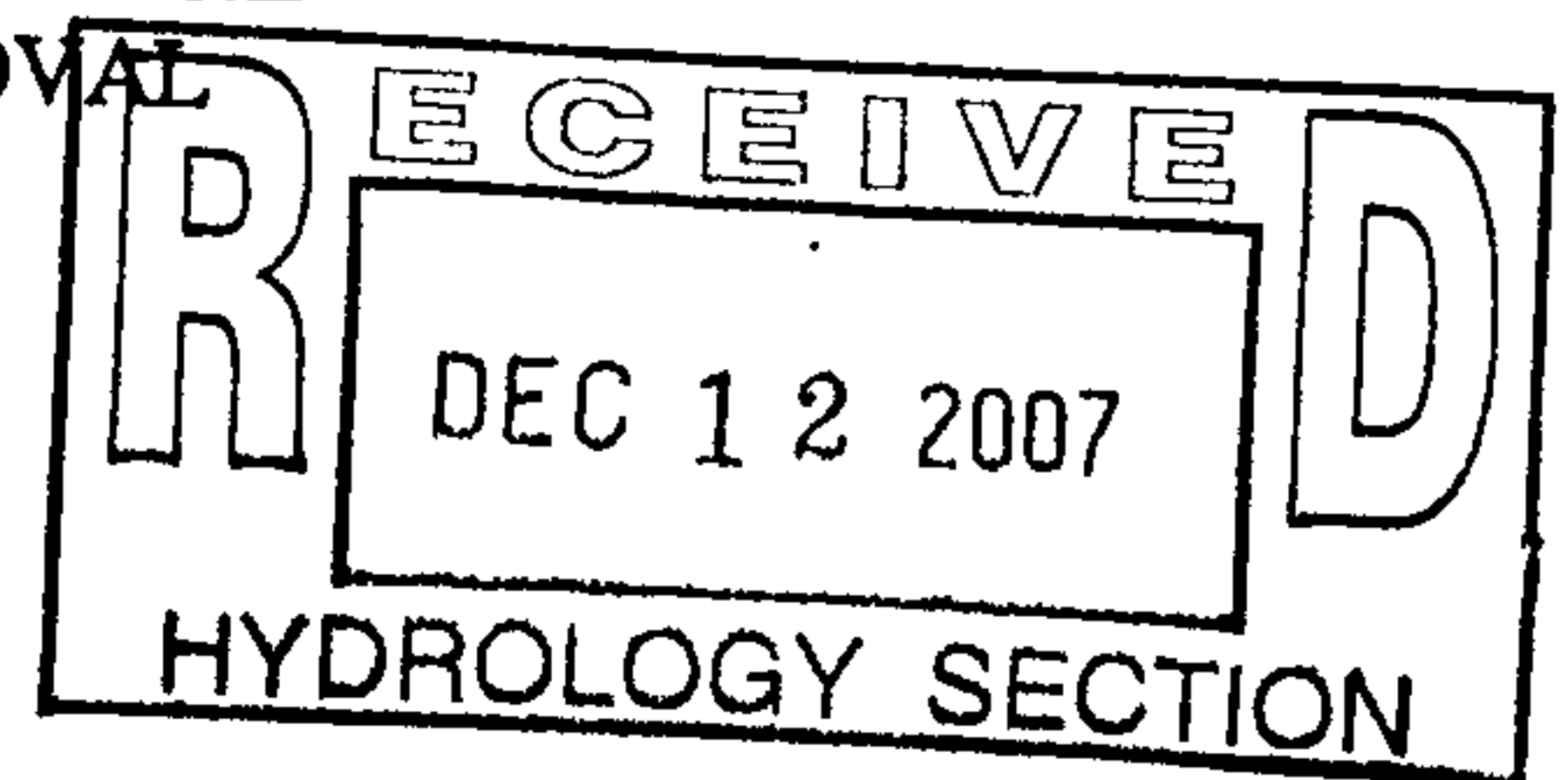
CONTRACTOR: _____
ADDRESS: _____
CITY, STATE: _____

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
☒ TRAFFIC CIRCULATION LAYOUT
☐ ENGINEER'S/ARCHITECT'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
☒ 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
☒ NO
☐ COPY PROVIDED



SUBMITTED BY: [Signature] DATE: 12/3/07

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.

James C Lewis Architect

November 30, 2007

City of Albuquerque
Planing Department
Development and Building Services
600 2nd St. NW
Albuquerque, New Mexico 87103

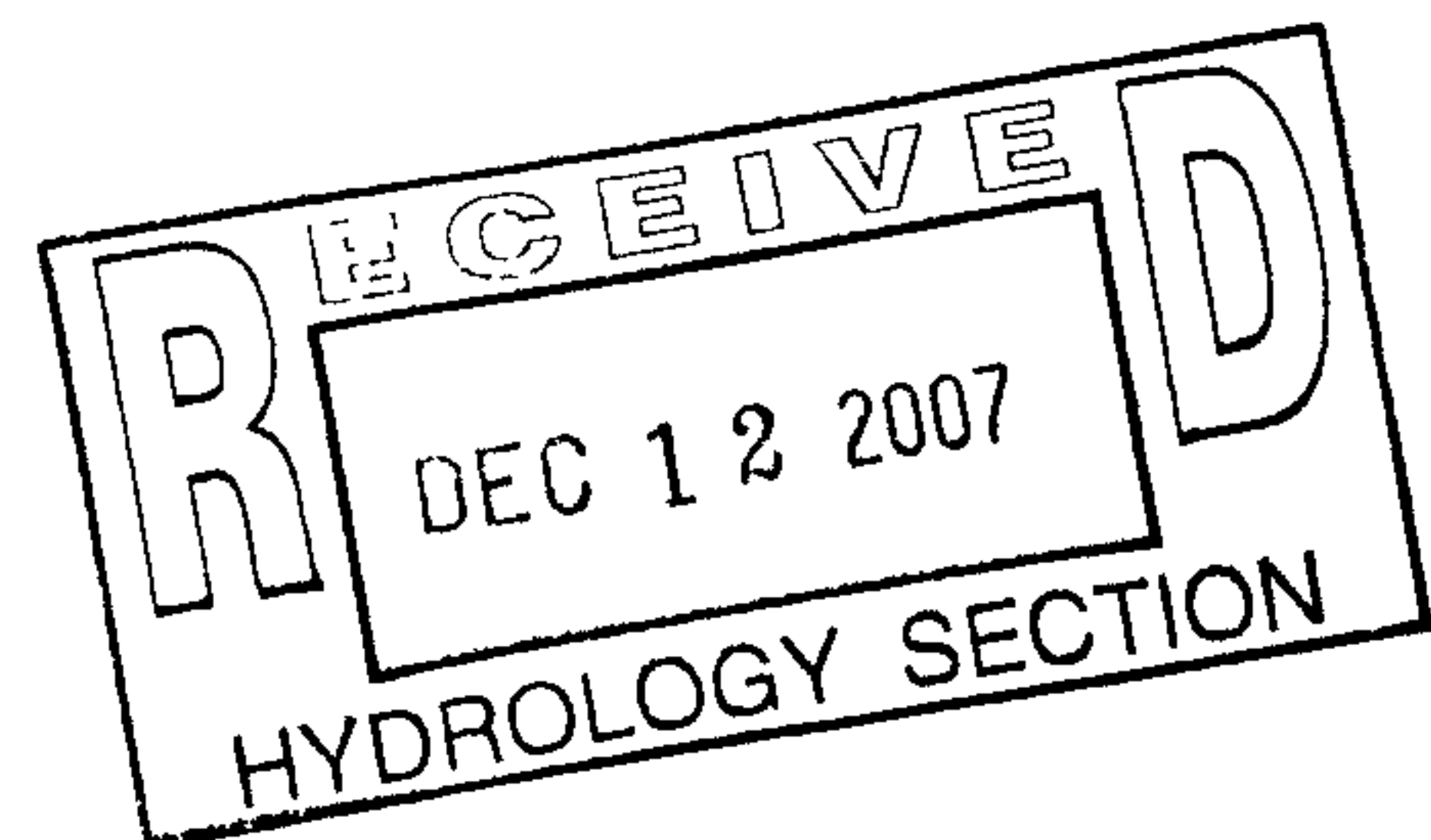
re: Stewart & Stevenson TCL Plan re-submittal

Answers to comments from July 18, 2006 TCL submittal

1. The gate that dead ends the East parking area is 5'-0" away from last parking space (dimension shown on plan).
2. See re-platt for site.
3. See note # 17.
4. All cross hatching should correspond with a keyed note.
5. The DPM allows for 40'-50' drivepads for large vehicles. (This is a RV and Large truck repair facility).
6. New plan is stamped and signed.
7. 2 copies attached.
8. See note #22.
9. See note #9.
10. Temp parking area does not interfere with drive aisle, we have 24' between the temp parking and the standard parking stalls.
11. See keyed notes. for width of sidewalks
12. Changes all done on the computer.

Sincerely

James C Lewis



CITY OF ALBUQUERQUE



July 18, 2006

James C. Lewis, R.A.
Schlegel Lewis Architects
1620 Central Ave. SE
Albuquerque, NM 87106

Re: Stewart & Stevenson (S&S) RV, 6565 Hanover Road NW, Traffic Circulation Layout

Architect's Stamp undated (J10-D42)

Dear Mr. Lewis,

Based upon the information provided in your submittal received 7-13-06, the above referenced plan cannot be approved for Building Permit until the following comments are addressed:

- provide
a copy
of
replat*
1. A five-foot keyway is required for deadend parking aisles.
 2. Has the portion of 68th Street shown on your plan been vacated? Please provide documentation of this.
 3. To accommodate ADA standards, all driveways must have a 3-foot wide pedestrian access path. This path must have a cross slope no greater than 2%.
 4. Provide a legend on the TCL to define the various cross-hatchings shown on the plan.
 5. Since Hanover Road is a major local in this area, the maximum allowable width drivepads is 35 feet.
 6. The traffic circulation layout must be stamped, signed, and dated by an engineer or architect licensed in the state of New Mexico.
 7. Please include two copies of the traffic circulation layout at the next submittal.
 8. Clarify the location and dimensions of the temporary parking lane (see note 22).
 9. Update Note 9 to show that the proposed sidewalk is 6 feet in width.
 10. Why does the temporary parking area conflict with the drive aisle?
 11. Define width of all sidewalks.
 12. Pencil corrections are not allowed.

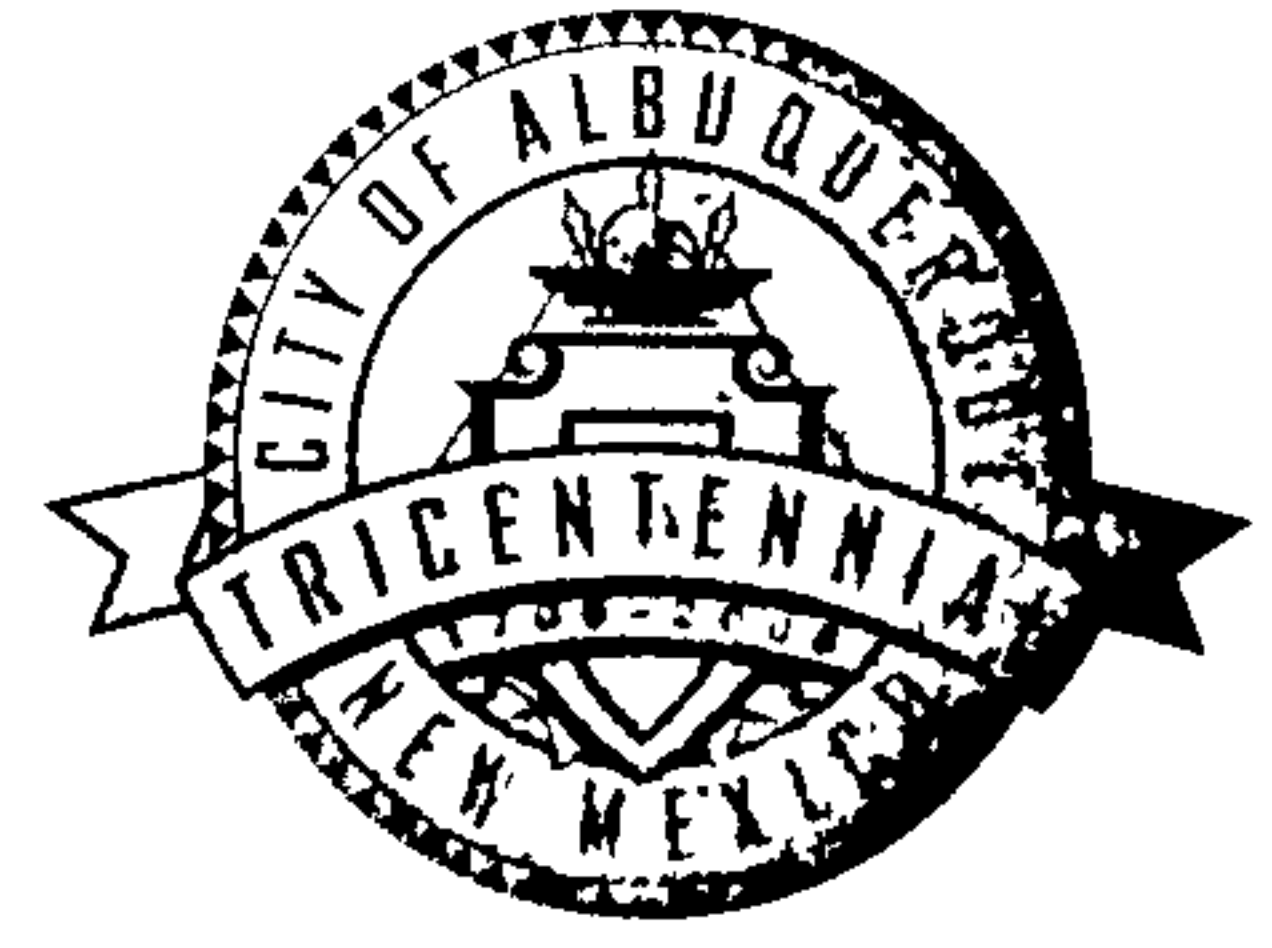
If you have any questions, you can contact me at 924-3981.

Sincerely,

Kristal D. Metro, P.E.
Senior Engineer, Planning Dept.
Development and Building Services

C: File

CITY OF ALBUQUERQUE



September 24, 2007

Philip W. Clark, P.E.
Clark Consulting Engineers
19 Ryan Road
Edgewood, NM 87015

Re: S & S RV, Grading and Drainage Plan
Engineer's Stamp dated 9-24-07 (J10/D042)

Dear Mr. Clark,

Based upon the information provided in your submittal dated 9-24-07, 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.

P.O. Box 1293

This project requires a National Pollutant Discharge Elimination System (NPDES) permit. You are required to send a copy of your SWPPP on a CD to the following address:

Albuquerque

Department of Municipal Development, Storm Drainage Division, P.O. Box 1293, One Civic Plaza, Rm. 301, Albuquerque, NM 87103

New Mexico 87103

If you have any question concerning the SWPPP, please contact Kathy Verhage 768-3654.

www.cabq.gov

Also, 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,

Curtis A. Cherne, P.E.
Engineering Associate, Planning Dept.
Development and Building Services

C: file
Kathy Verhage, DMD

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 12/2005)

PROJECT TITLE: 545 ZONE MAP: F-10/D42
DRB#: _____ EPC#: _____ WORK ORDER#: _____

LEGAL DESCRIPTION: _____
CITY ADDRESS: _____

ENGINEERING FIRM: Clark Consulting Eng'rs. CONTACT: Phil Clark
ADDRESS: 19 Rye Rd PHONE: 281-2444
CITY, STATE: _____ ZIP CODE: _____

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

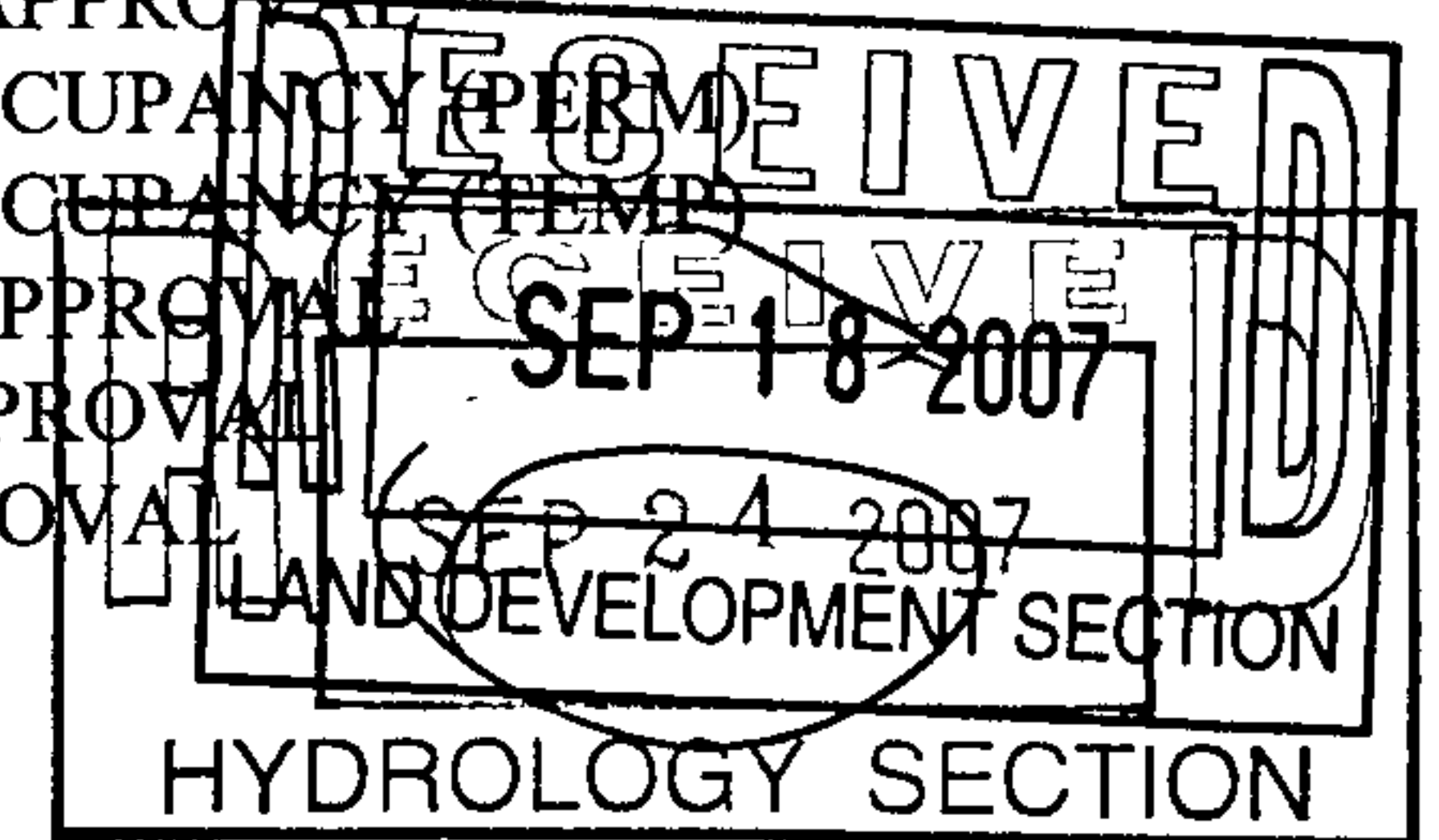
ARCHITECT: _____ CONTACT: _____
ADDRESS: _____ PHONE: _____
CITY, STATE: _____ ZIP CODE: _____

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

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
____ 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
____ CERTIFICATE OF OCCUPANCY (PERM)
____ CERTIFICATE OF OCCUPANCY (TEMP)
____ GRADING PERMIT APPROVAL
____ PAVING PERMIT APPROVAL
____ WORK ORDER APPROVAL
____ OTHER (SPECIFY) _____



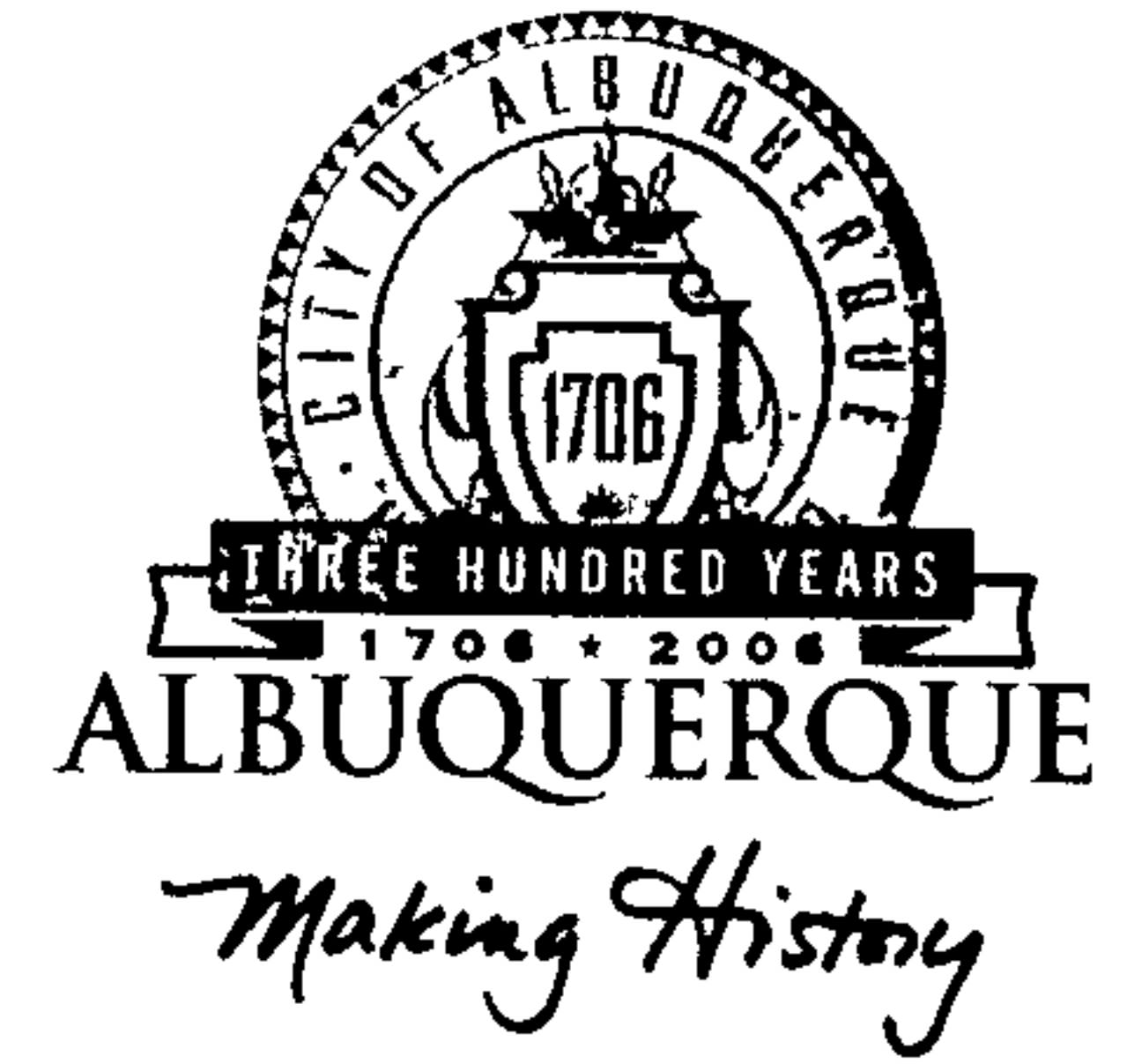
WAS A PRE-DESIGN CONFERENCE ATTENDED:
____ YES
____ NO
____ COPY PROVIDED

DATE SUBMITTED: 9/24/07 BY: [Signature]

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



April 14, 2006

Philip Clark, P.E.
Clark Consulting Engineers
19 Ryan Road
Edgewood, NM 87015

**Re: S & S RV, Hanover Rd NW, Preliminary Plat
Engineer's Stamp dated 3-09-06 (J10-D42)**

Dear Mr. Clark,

Based upon the information provided in your submittal received 3-10-06, the above referenced plan cannot be approved for Preliminary Plat until the following comments are addressed:

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

1. Provide a detail for the concrete rundown, or refer to the appropriate City Standard.
2. Call out the existing lot line.
3. Our GIS system shows an existing private storm drain, located on the adjacent lot, which ties to the existing inlet at the property line. Show this storm drain on the grading and drainage plan. Can you tie your proposed private storm drain into the same inlet? Provide a detail to show how this will work.

If you have any questions, you can contact me at 924-3981.

Sincerely,

Kristal D. Metro, P.E.
Senior Engineer, Planning Dept.
Development and Building Services

C: File

CITY OF ALBUQUERQUE



April 17, 2006

Philip Clark, P.E.
Clark Consulting Engineers
19 Ryan Road
Edgewood, NM 87015

**Re: S & S RV, Hanover Rd NW, Grading and Drainage Plan
Engineer's Stamp dated 4-17-06 (J10-D42)**

Dear Mr. Clark,

Based upon the information provided in your submittal received 4-17-06, the above referenced plan is approved for Building Permit and Preliminary Plat action by the DRB. 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.

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

This project requires a National Pollutant Discharge Elimination System (NPDES) permit. If you have any questions regarding this permit please feel free to call the DMD Storm Drainage Design section at 768-3654 (Charles Caruso).

If you have any questions, you can contact me at 924-3981.

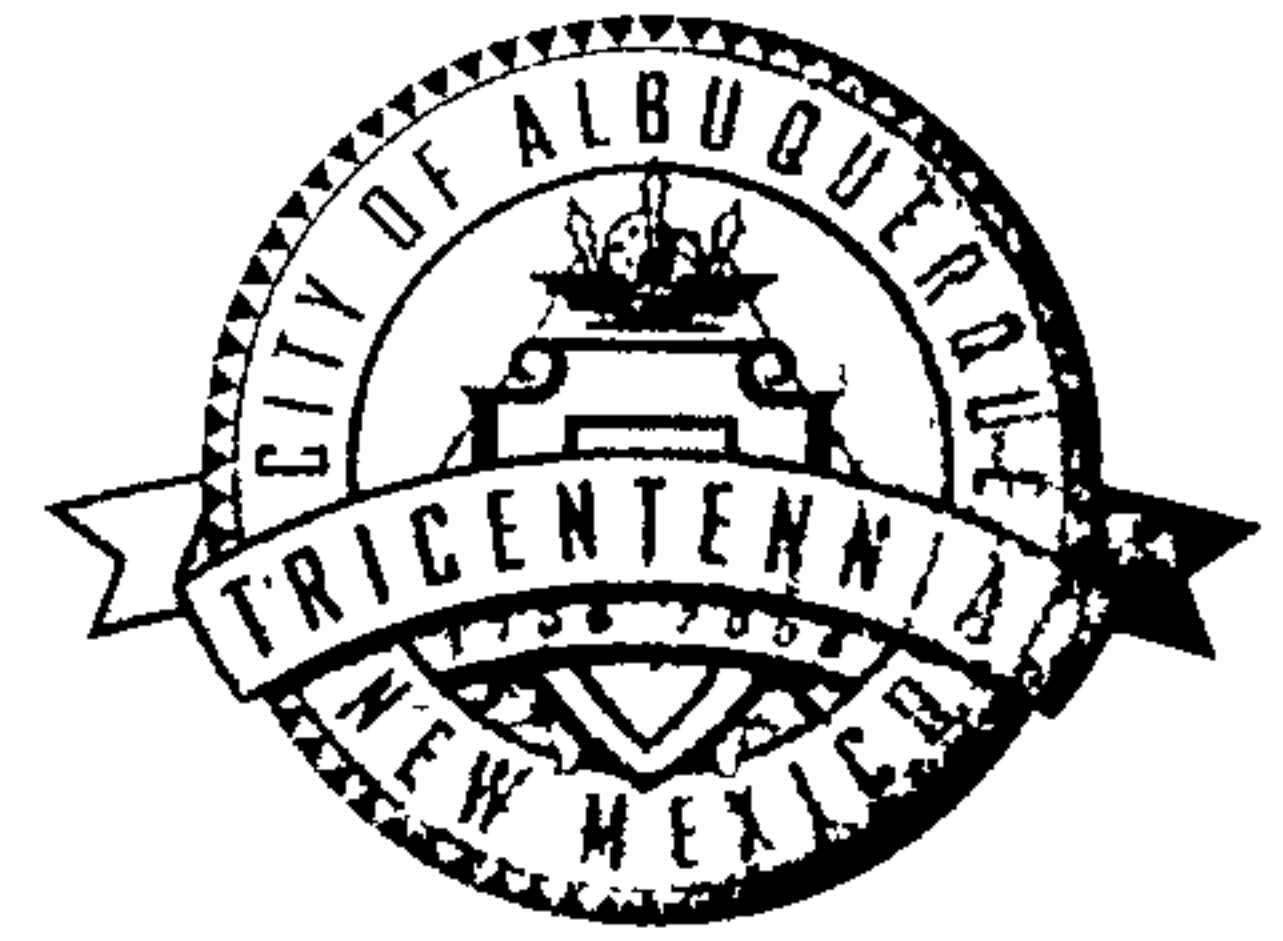
Sincerely,

A handwritten signature in black ink, appearing to read "K. Metro".

Kristal D. Metro, P.E.
Senior Engineer, Planning Dept.
Development and Building Services

C: Charles Caruso, DMD Storm Drainage Design
File

CITY OF ALBUQUERQUE



October 16, 2006

Philip Clark, P.E.
Clark Consulting Engineers
19 Ryan Road
Edgewood, NM 87015

Re: S & S RV, 6565 Hanover Rd NW, Grading and Drainage Plan
Engineer's Stamp dated 9-25-06 (J10-D42)

Dear Mr. Clark,

Based upon the information provided in your submittal received 10-05-06, the above referenced plan cannot be approved for Building Permit until the following comments are addressed:

1. Your submittal does not prove that the storm drain requirement in Hanover Road is not needed for the following reasons:
 - The upstream basin is not delineated and the basin runoff is not quantified.
 - Street capacity is not shown.
 - The existing inlet cannot possibly take all the upstream runoff and, more than likely, extension of the existing storm drain and providing additional inlets will be necessary for that reason alone.
2. Per the *Development Process Manual*, all runoff generated by dumpster and compactor pads must discharge to the sanitary sewer collection system (see Chapter 22, Section 9, Table 1). As such, a detail of the trash enclosure pad stating this and showing the corner elevations and the drain's top of grate elevation must be provided on the plan.
3. Mira Mesa Estates Subdivision (CPN 749981) is a recent development in this area (designed by ABQ Engineering). Please match to their as built elevations for Hanover Road.
4. Show the existing storm drain infrastructure within the I-40 right of way.
5. The building permit is dependent upon work order approval, unless you get an SO#19 permit for the inlet connection.
6. Provide top of grate elevations for the proposed drop inlets. Please show the extents of ponding around each inlet.

If you have any questions, you can contact me at 924-3981.

Sincerely,

Kristal D. Metro, P.E.
Senior Engineer, Planning Dept.
Development and Building Services

C: File

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

CITY OF ALBUQUERQUE



November 7, 2006

Philip Clark, P.E.
Clark Consulting Engineers
19 Ryan Road
Edgewood, NM 87015

**Re: S & S RV, 6565 Hanover Rd NW, Grading and Drainage Plan
Engineer's Stamp dated 10-23-06 (J10-D42)**

Dear Mr. Clark,

Based upon the information provided in your submittal received 10-27-06, the above referenced plan is approved for Preliminary Plat action by the DRB. Once the DRB has approved the plan, please submit a mylar copy to me in order to obtain rough grading approval.

P.O. Box 1293

This project requires a National Pollutant Discharge Elimination System (NPDES) permit. If you have any questions regarding this permit please feel free to call the DMD Storm Drainage Design section at 768-3654 (Charles Caruso).

Albuquerque

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

New Mexico 87103

Sincerely,

Bradley L. Bingham, PE
Principal Engineer, Planning Dept.
Development and Building Services

www.cabq.gov

C: Charles Caruso, DMD Storm Drainage Design
Bradley Bingham, DRB
file

Clark Consulting Engineers

19 Ryan Road
Edgewood, New Mexico 87015

Tele: (505) 281-2444

E-Mail ccealbq@aol.com

Fax: (505) 281-2444

Philip W. Clark, P.E.

Date: 10/6/06
12/27/06

Transmittal

TO: Brad Bingham - P.E.

ORGANIZATION: City • Planning • Development

FROM: Phil C.

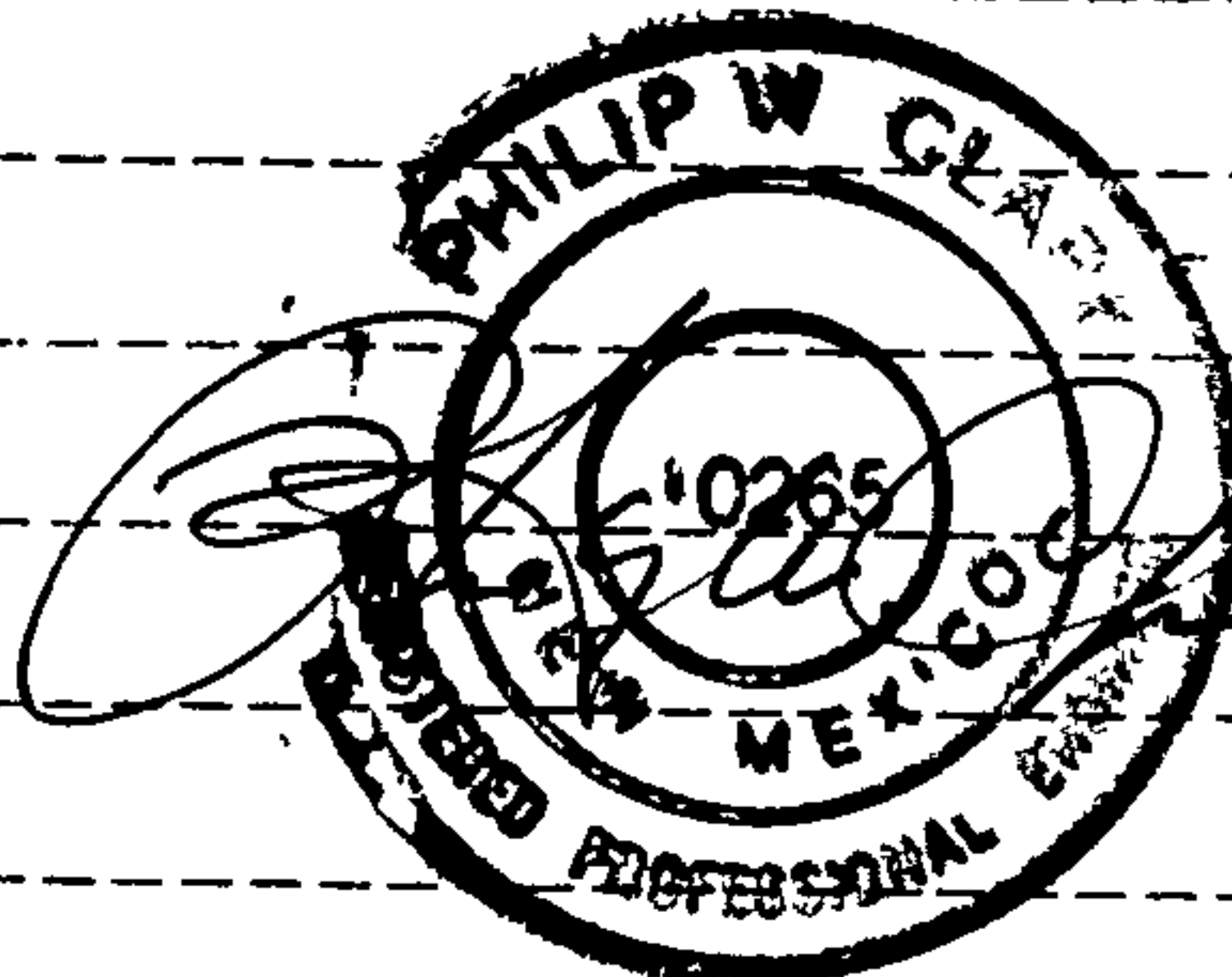
REGARDING: S & S TRUCK - Hanover NW

Dwg. J-10, D42

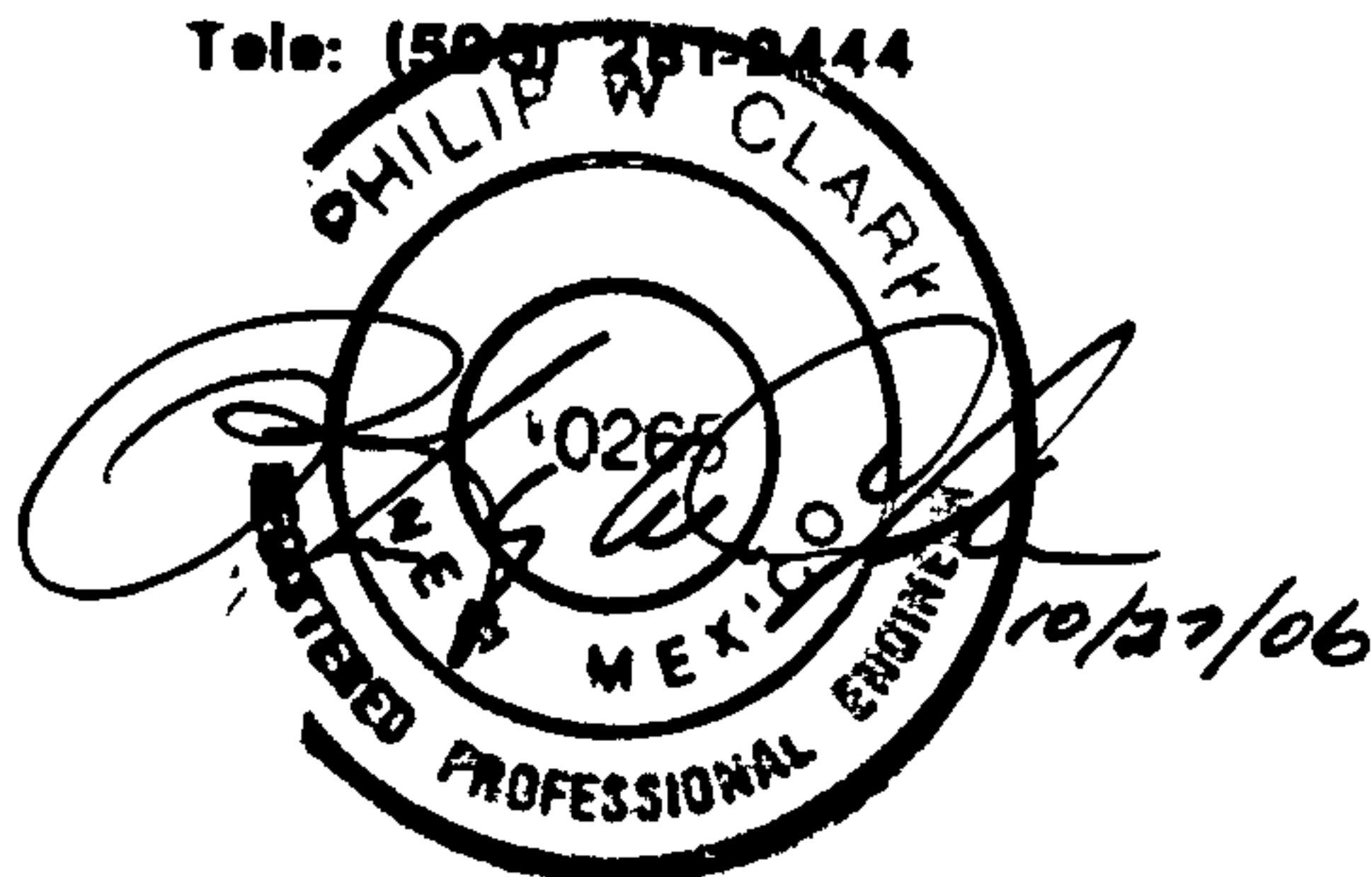
Ref: DRB 1004707

ITEM/MESSAGE:

- Please find attached SD - FAC Maps
- Review indicates an upstream basin Area
① w/in I-40 R.O.W. as approx 2.5 Acres.
Therefore Extension of 48" of RCP is
Not necessary w/in Hanover Rd. NW.
- ②. Our Property (also) is in Hanover is along
the frontage, located @ the high point
of the street area drainage basin.



Shabo, S. Phil Clark



CALCULATIONS

DATE: 10/18/06
PROJECT: S.S.
Hanover Rd.
68th St.

- OFF-SITE BASIN #1 - I-40 Depressed Median + Inside Driving Lane + 12' Asp. Shldr.

$$130' \times 840' = 2.5 \text{ AC} \quad \text{where: Land Treatment is } 60\% \text{ B; } 40\% \text{ D}$$

$$\therefore Q_{100} = 2.5 \text{ AC} \times 2.9 \text{ cfs/ac.} \\ = \underline{7.2 \text{ cfs}} \quad \text{Draining to Exist. 4'x5' SHD Area Drain, See Plan}$$

Note - This runoff Ponds w/in the Exist. 2-3'x6' CBC and Ponds A portion of flow @ the outlet (Note the depression contour).

- OFF-SITE Basin #2 Eastbound OUTER LANES OF I-40 + TR. 271 + 272 and Fill slope of I-40 OPP. " "

$$\text{CDD\#2 Area} = 1.03 + 1.05 \text{ AC.} = 2.08 \text{ AC.}$$

$$Q_{100} = 1.03 \times 2.7 \text{ cfs/ac.} + 1.05 \times 3.7 \text{ cfs/ac.}$$

$$= \underline{6.7 \text{ cfs}} \quad \text{Estim. Runoff in Hanover @ SW Cor. of Site (Developed)}$$

- Per DPM, "Street Hydraulics", Ch. 22.3
2.6 use 0.83' street depth MAX.

✓ Cap. of Double 'C' Inlet @ -1% & -0.5% (Controls)

@ d = 0.83', 0.5% ; Read 15 cfs OK

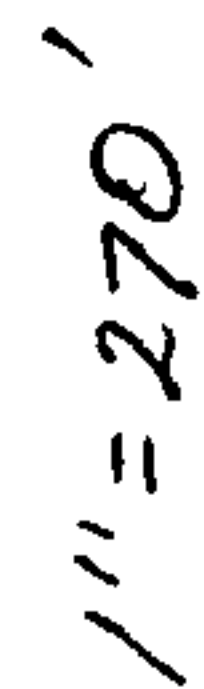
@ d = 0.67', 0.5% ; " 10 cfs

∴ Add 1- double 'C', See plan.

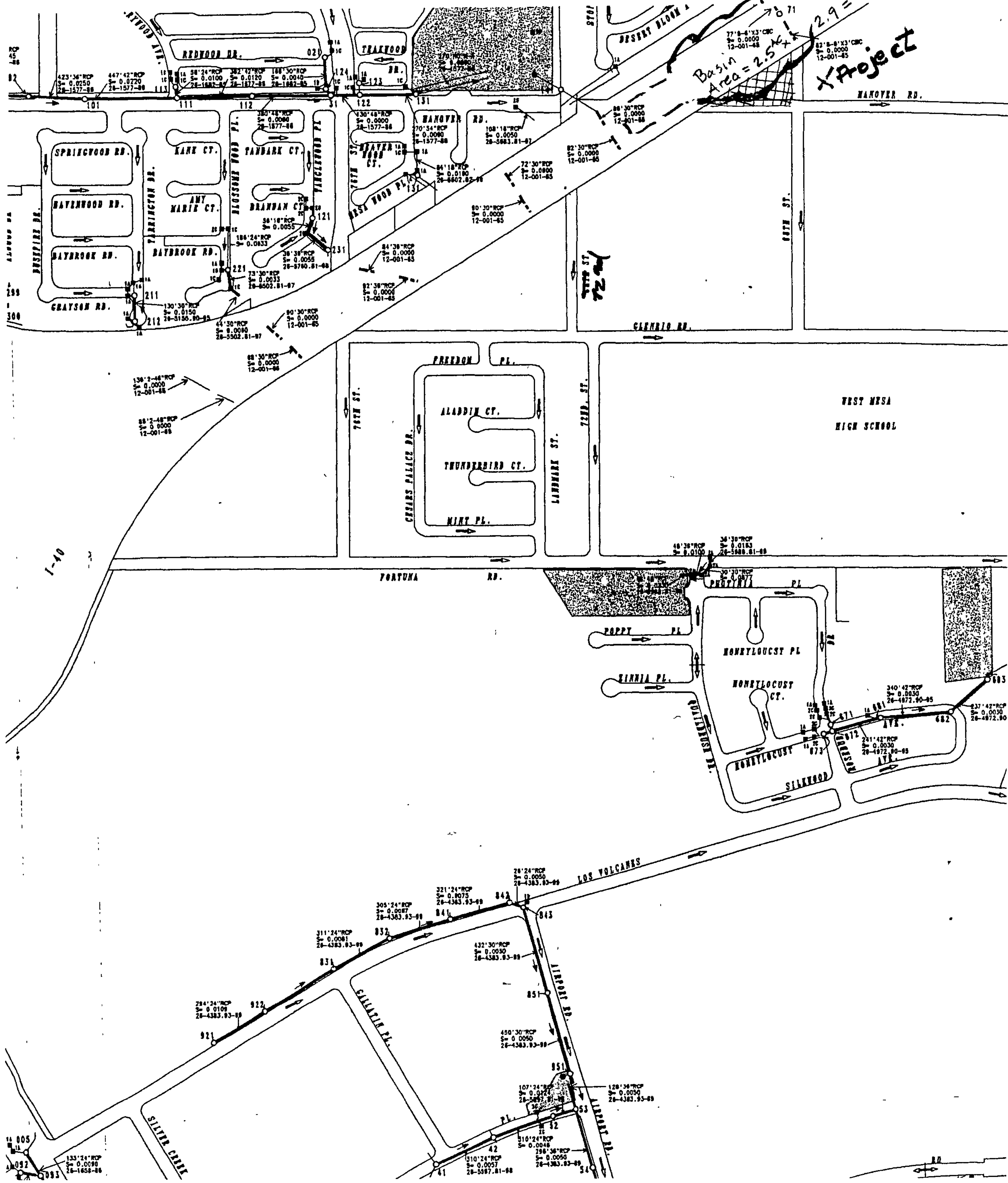
✓ EXIST. Modified (double 'A' Inlet "debris catcher" (14' W. Curb opening)

@ d = 0.87' (Low-point) Read 13 cfs ... OK

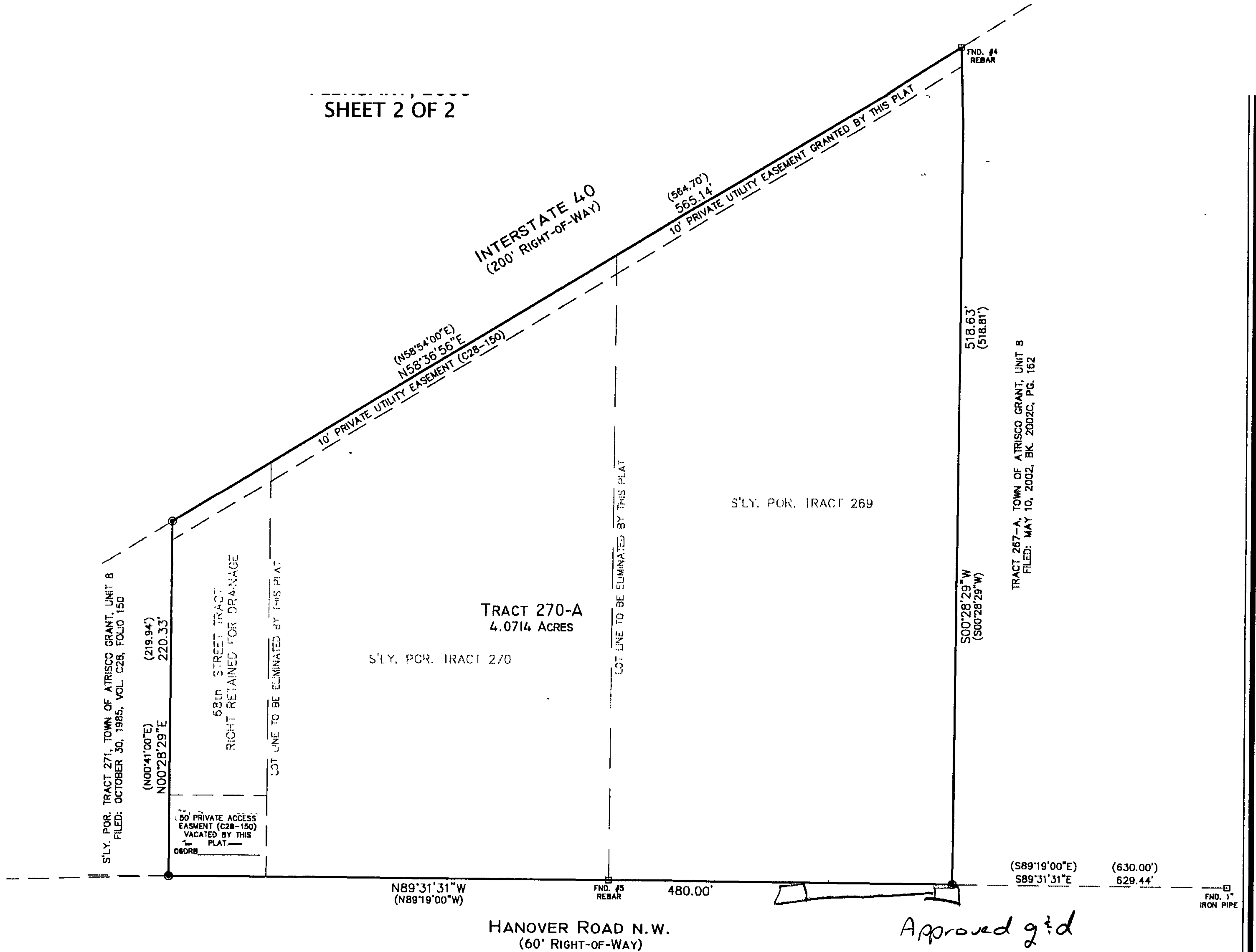
Designing to Shape the Future



$1'' = 270'$



SHEET 2 OF 2



Approved gtd
dated 10-23-06

CITY OF ALBUQUERQUE



September 12, 2007

Philip W. Clark, P.E.
Clark Consulting Engineers
19 Ryan Road
Edgewood, NM 87015

Re: S & S RV, Grading and Drainage Plan
Engineer's Stamp dated 8-17-07 (J10/D042)

Dear Mr. Clark,

Based upon the information provided in your submittal dated 8-20-07, the above referenced plan cannot be approved for Building Permit until the following comments are addressed:

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

- Currently, only trash enclosures at restaurants are required to drain through a grease trap to the sanitary sewer. Trash enclosures at other business types should not drain to the sanitary sewer.
- Provide grate elevations for the Type "D" inlets and the invert where the 12"SD ties into the back of the inlet in Hanover Rd.
- It appears to be possible to grade the site so that the offsite flows from the I-40 median and the western portion of the site drain out the western private drive entrance. If this is accomplished more runoff will enter the Double "C" inlet in Hanover Rd.
- Specify "new private entrance per CAO STD DWG 2426" or provide a detail.

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

Sincerely,

Curtis A. Cherne, P.E.
Engineering Associate, Planning Dept.
Development and Building Services

C: file