Fred C. Arfman, P.E. Isaacson & Arfman, P. A. 128 Monroe Street, NE Albuquerque, NM 87108

ENGINEER'S CERTIFICATION FOR STAPLES OFFICE SUPERSTORE, (F-21/ RE: D012), ENGINEER'S STAMP DATED 2/21/00, CERTIFICATION DATED 7/10/2000.

Dear Mr. Arfman,

Based upon the information provided in your submittal dated July 2000, the Engineering Certification for Certificate of Occupancy for the project referred to above is approved.

If you have any questions, please call me at 924-3988.

Sincerely,

Stuart Reeder, P.E.

Stract Résolez, P.E.

Hydrology Division

Whitney Reierson

DRAINAGE INFORMATION SHEET

F-21/DON

PROJECT STAPLES OFFICE SU	PESTORE ZONE ATLAS/DRNG. ESS
DRB # EPC #	WORK ORDER #
LEGAL DESCRIPTION: LOT 1-A, TRACT 1-A	SECURITY FEDERAL ADDITION NO. 1
CITY ADDRESS: 9701 HON-GOMES	
ENGINEERING FIRM: Isaacson & Arfman, P.A. ADDRESS: 128 Monroe Street NE CITY, STATE: Albuquerque, NM OWNER: STAPLES , TOC ADDRESS: 500 STAPLES DR. CITY, STATE: FRAMINGHAM MA CONTRACTOR: ALDRICH LAND SPUERING SURVEYOR: ALDRICH LAND SPUERING CITY, STATE: ARRON SOTOL CITY, STATE: ARRON SOTOL CONTRACTOR: STAR CONSTRUCTION ADDRESS: 8917 ADAMS NE	CONTACT: TIM GRATTON PHONE: 761-9700 ZIP CODE: 87109 CONTACT: TIM ALDRICH PHONE: 884-1990 ZIP CODE: 87190
CITY, STATE: AS	ZIP CODE: \S\II\]
TYPE OF SUBMITTAL: DRAINAGE REPORT X DRAINAGE PLAN CONCEPTUAL GRADING & DRAINAGE PLAN K GRADING PLAN EROSION CONTROL PLAN ENGINEER'S CERTIFICATION OTHER PRE-DESIGN MEETING: X YES NO COPY PROVIDED DRAINAGE REPORT DRAINAGE REPORT DRAINAGE REPORT DRAINAGE PLAN DRAINAGE PLAN DRAINAGE PLAN DRAINAGE PLAN HYDROLOGY SECTION	CHECK TYPE OF APPROVAL SOUGHT: SKETCH PLAT APPROVAL PRELIMINARY PLAT APPROVAL S.DEV. PLAN FOR SUB'D. APPROVAL S.DEV. PLAN FOR BLDG. PERHIT APPROVAL SECTOR PLAN APPROVAL FINAL PLAT APPROVAL FOUNDATION PERMIT APPROVAL WHILDING PERMIT APPROVAL CERTIFICATE OF OCCUPANCY APPROVAL GRADING PERMIT APPROVAL PAVING PERMIT APPROVAL S.A.D. DRAINAGE REPORT DRAINAGE REQUIREMENTS OTHER (SPECIFY)
DATE SUBMITTED: 67.10.00	

BY: TREO C. ARFMAN, P.A.
FOR ISAACSON & AREMAN, P.A.





February 11, 2000

Fred Arfman, P.E.
Isaacson & Arfman
128 Monroe NE
Albuquerque, NM 87108

RE: STAPLES OFFICE SUPERSTORE - MONTGOMERY @ EUBANK (F21-D12).

GRADING AND DRAINAGE PLAN FOR BUILDING PERMIT AND SO#19

PERMIT APPROVALS. ENGINEER'S STAMP DATED FEBRUARY 10, 2000. DE

Dear Mr. Arfman:

Based on the information provided on your February 10, 2000 submittal, the above referenced project is approved for Building Permit and SO#19 Permit. This is a completion of the December 15, 1999 submittal.

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

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

Prior to Certificate of Occupancy approval, an Engineer's Certification per the DPM will be required.

If I can be of further assistance, please feel free to contact me at 924-3984.

Sincerely,

John P: Murray, P.E.

Hydrology

c: WR

Paulujou D. Salas, St. Maint.

PUBLIC WORKS DEPARTMENT

FEBRUARY 11, 2000

INTEROFFICE CORRESPONDENCE

HYDROLOGY DIVISION

TO:

Desiderio Salas, Street Maintenance Division

FROM:

John Murray, City Hydrologist, Hydrology, PWD

SUBJECT: PRIVATE DRAINAGE FACILITIES WITHIN PUBLIC RIGHT-OF-WAY

DRAINAGE FILE NUMBER (F21-D12).

Transmitted herewith is a copy of the approved drainage plan for the referenced project incorporating the SO #19 design.

This plan is being submitted to you for permitting and inspection. Please provide this section with a signed-off copy per the signature block upon construction and acceptance by your office.

As you are aware, the signed off SO #19 is required by this office for Certificate of Occupancy release; therefore your expeditious processing of this plan would be greatly appreciated and would avoid any unnecessary delay in the release of the Certificate of Occupancy.

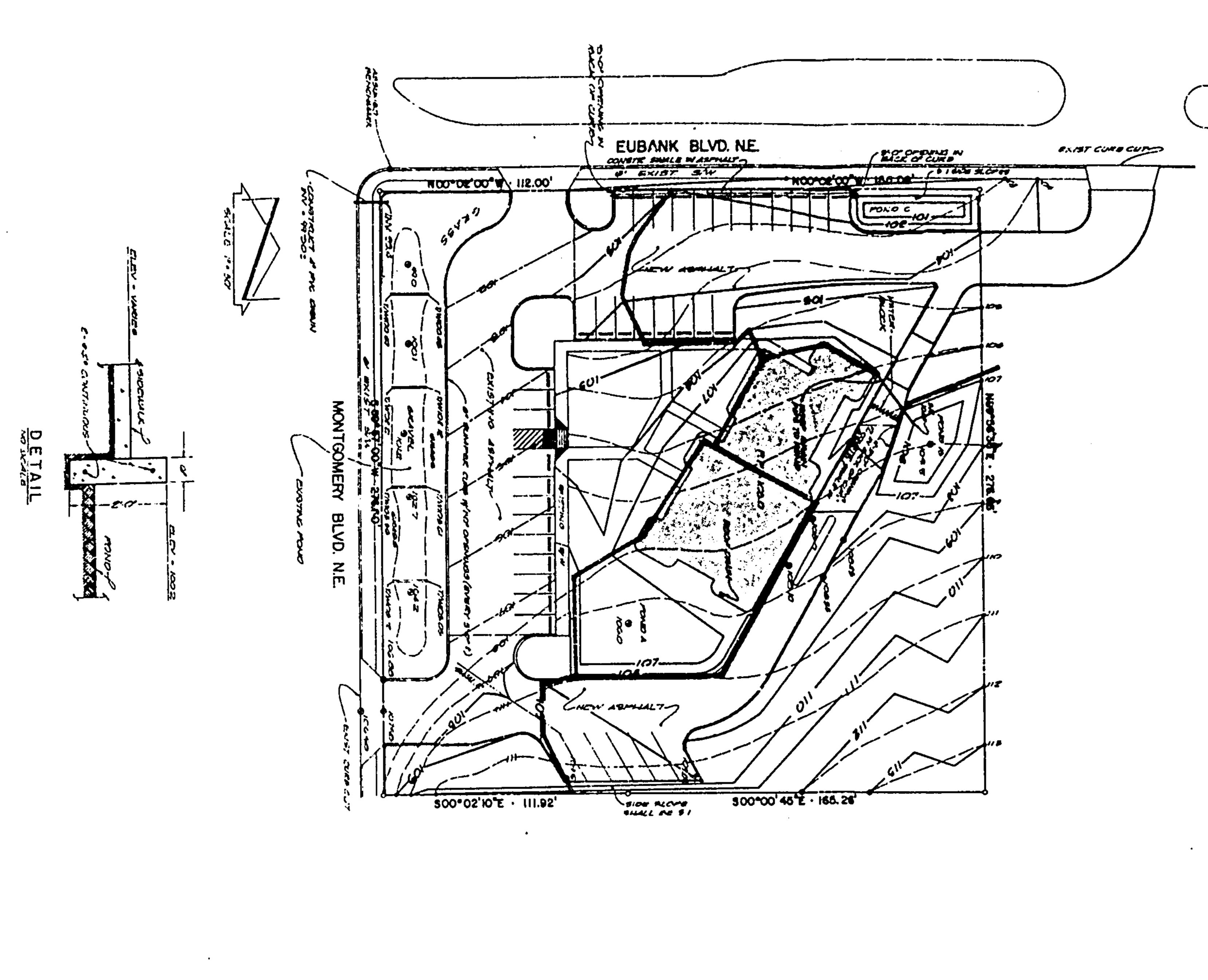
Thank you for your cooperation and if you should have any questions and/or comments, please feel free to call me at 924-3984.

Attachment

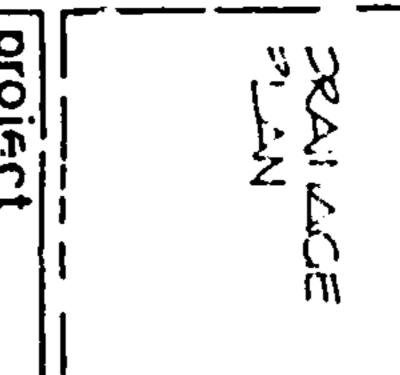
DRAINAGE INFORMATION SHEET

F-21/D為12

PROJECT STAPLES OFFICE SUPERSTORE	ZONE ATLAS/DRNG. F-20
DRB # EPC # W	ORK ORDER #
LEGAL DESCRIPTION: LOT 1-A, TRACT 1-A SECURITY FO	EDERAL ADDITION NO. 1
CITY ADDRESS: 9701 MON-EGOMERY BUND.	NE
ENGINEERING FIRM: Isaacson & Arfman, P.A.	CONTACT: Fred Arfman
ADDRESS: 128 Monroe Street NE	PHONE: 268-8828
CITY, STATE: <u>Albuquerque</u> , NM	ZIP CODE: 87108
OWNER: STAPLES, INC	CONTACT: JOHN HAMILTON
ADDRESS: 500 STAPLES DR.	PHONE: 883 7676
CITY, STATE: FRAMINGHAM, MA 01707	ZIP CODE:
ARCHITECT: DEKKER PERICH SABATINI	CONTACT: Tim GRATTED
ADDRESS: 6801 JEFESRSON ST. NE	PHONE: 761-9700
CITY, STATE: AS UM	ZIP CODE: 87109
SURVEYOR: ALDRICH LAND SRUEANG	CONTACT: TIM ALDRICH
AUDRESS: P.O. BOX 30701	PHONE: 684-1990
CITY, STATE: ASS. NIN	210 CODE: \$719G
CONTRACTOR:	CONTACT:
ADDRESS:	PHONE:
CITY, STATE:	ZIP CODE:
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TYPE OF SUBMITTAL:	PROVAL SOUGHT:
DRAINAGE REPORT SKETCH PLA	T APPROVAL
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	LED T A SOOR
DATE SUBMITTED: 02.10.00	ROLOGY SECTION
BY: FRSO C. ARPMAN, PE	•
FOR ISANCSON & AREMAN, P.A.	

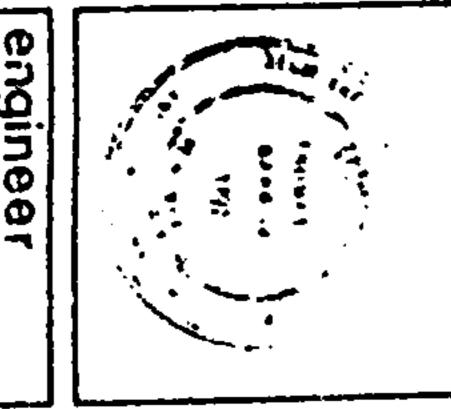


SECURITY SERVICE CORPORATION MONTGOMERY BRANCH



sheet

LONG & WATERS



9701 MONTGOMERY BLVO. N.E. ALBUGUERGUE, NEW MEXICO

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ARCHITECTS ENGINEERS PLANNERS



February 4, 2000

Fred Arfman, P.E.
Isaacson & Arfman
128 Monroe NE
Albuquerque, NM 87108

RE: STAPLES OFFICE SUPERSTORE - MONTGOMERY @ EUBANK (F21-D12).

GRADING AND DRAINAGE PLAN FOR BUILDING PERMIT AND SO#19

PERMIT APPROVALS. ENGINEER'S STAMP DATED DECEMBER 14, 1999.

Dear Mr. Arfman:

Based on the information provided on your December 15, 1999 submittal, City Hydrology has the following comments:

Add the standard SO#19 notes and signature block to cover the tie-in to the existing catch basin on Eubank Boulevard. Provide a second coppy of the G&D Plan for that process.

FIRM Panels 143 and 144 dated September 1996 are the correct references for the Flood Zone Designation.

East of Eubank and North of Montgomery is in Zone Atlas F-21.

Note that the T.C.L. submittal has adverse comments (COA Ltr 1/20/00). It does not appear that the overall grading and drainage concept will be affected.

The original Drainage Plan for this site dates back to 1979.

If I can be of further assistance, please feel free to contact me at 924-3984.

Sincerely,

John P. Murray, 1

Hydrology

c: WR
File

DRAINAGE INFORMATION SHEET

PROJECT STAPLES OFFICE SUPERSTORE	ZONE ATLAS/DRNG. F-21/DOL
1,E;	FILE#:
DRB # EPC # WO!	RK ORDER #
LEGAL DESCRIPTION: LOT 1-A, TRACT 1-A SECURITY FE	DERAL ADDITION NO. 1
CITY ADDRESS: 9701 MONTGOMERY BUND.	
ENGINEERING FIRM: Isaacson & Arfman, P.A.	CONTACT:
ADDRESS: 128 Monroe Street NE	PHONE: 268-8828
CITY, STATE: Albuquerque, NM	ZIP CODE: 87108
OWNER: STAPLES, INC	CONTACT: JOHN HAMILTON
ADDRESS: 500 STAPLES DR.	PHONE: 883 7676
CITY, STATE: FRAMINGHAM, MA 01707	ZIP CODE:
ARCHITECT: DEKKER PERICH SABATINI	CONTACT: In GRATTED
ADDRESS: 6801 JEFESRSON ST. NE	PHONE: 761-9700
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SURVEYOR: ALDRICH LAND SRUEANG	CONTACT: Tim ALDRICH
ADDRESS: P.O. BOX 30701	PHONE: 684-1990
CITY, STATE: ASS. NM	ZIP CODE: 87190
CONTRACTOR:	CONTACT:
ADDRESS:	PHONE:
CITY, STATE:	ZIP CODE:
TYI'E OF SUBMITTAL:	ROVAL SOUGHT:
DRAINAGE REPORT SKETCH PLAT	APPROVAL
DRAINAGE PLAN PRELIMINARY	PLAT APPROVAL
	FOR SUB'D. APPROVAL
	FOR BLDG. PERMIT APPROVAL
	ERMIT APPROVAL
	MIT APPROVAL
	OF OCCUPANCY APPROVAL
X YES DEC 1 5 1999 GRADING FERM	
NO PAVING PERMI	•
X COPY PROVIDED HYDROLOGY SECTION S.A.D. DRAIN	NGE REPORT
DRAINAGE REC	QUIREMENTS
OTHER (SPECI	IFY) XIETI SO#D
DATE SUBMITTED: DEC 15, 1999	
BY: TISO C. ARPMAN, P.A. FOR ISAACSON & AREMAN, P.A.	
	•

ISAACSON & ARFMAN, P.A.

ANALYZE TYPE 'C' INLET IN A SUMP CONDITION:

DATA: SITE RUNDEF Q100 = 9.4 CPS (MAX.)

TO SUMP INVET QUOS = 9.00 CFS

RECOMMENDED INLET: USE GO.A. SINGLE 'C' INLET WI SHILE THANT

GRATE AREA FOR ONE GRATE:

 $(2'-1/2'')\times(2'-11^3/2'') = 2.13' \times 2.95' =$

LESS BEARING BARS: (0.5") 1/12 × 2.95 × 13 EA 2 (1.60)

LESS CROSS BARS: (0.5") 1/12 (2.13) x 7 = { 0.62 }

PLUS BAR INTERJSECTIONS COUNTED TWICE

(0.5)/12 x (0.5)/2 x 72+2= + 0.07 4.134

CALCULATE CAPACITY AT FULL CURB HEIGH @ SUMP H = 0.67'

FLOW THRU GRATTE = CH-VZgh = 0.67 (4.13) -7/64.4(0.67)

- 9.1 ofs ok

FLOW THROUGH SINGLE THROAT

 $= 0.67(0.5')(3.2) \sqrt{64.4(0.67)}$

= 7.04 CFS (USE 7 CFS)

ASSUME 50% CLOG

- YZX 7 CFS = 3.5 CPS

TOTAL FRIET CARACITY = 9.1 CPS+ 3.5. CPS = 12.6 CPS

SMOOTH PIDE (MANNING COEFFICIANT 2 0.013) WILL

ACCOMMODATE UP TOD 14 CRS OF GRAVITY FLOW

AT D= 12.11 (SSE ATTACHED)

SUPPLEMEDTAL HYDRAUUC CALCULATIONS

SUBJECT STAPLES STORE JOB NO.

BY FCA DATE 12 99 SHEET NO. OF

Line No.		Line ID	Flow rate (cfs)	Line size (in)	Line length (ft)	invert EL Dn (ft)	Invert EL Up (ft)	Line slope (%)	HGL down (ft)	HGL up (ft)	Minor loss (ft)	Dns line No.	
1	1	:	9.40	12 c	16.0	100.00	100.32	2.000	101.00*	102.12*	2.23	End	
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Proid	act File	e: New.stm		I-D-F File	e: SAMPL	E.IDF	Total No	. Lines: 1	·	Run Date:	12-15-1	999	
		= circular; e =	elliptical; b	<u></u>				· · · ·		· .		· · · · · · · · · · · · · · · · · · ·	

Line	Size	Q		Downstream Len Upstream									Check			Minor							
	(in)	(cfs)	Invert elev (ft)	HGL elev (ft)	Depth (ft)	Area (sqft)	Vel (ft/s)	Vel head (ft)	EGL elev (ft)	Sf (%)	(ft)	Invert elev (ft)	HGL elev (ft)	Depth (ft)	Area (sqft)	Vel (ft/s)	Vel head (ft)	EGL elev (ft)	Sf (%)	Ave Sf (%)	Enrgy loss (ft)	coeff (K)	loss (ft)
1	12	9.40	100.00	101.00	1.00	0.79	11.97		103.23	6.970	16.0	100.32	102.12	1.00	0.79	11.97	2.23	104.34	6.967	6.969	1.115	1.00	2.23
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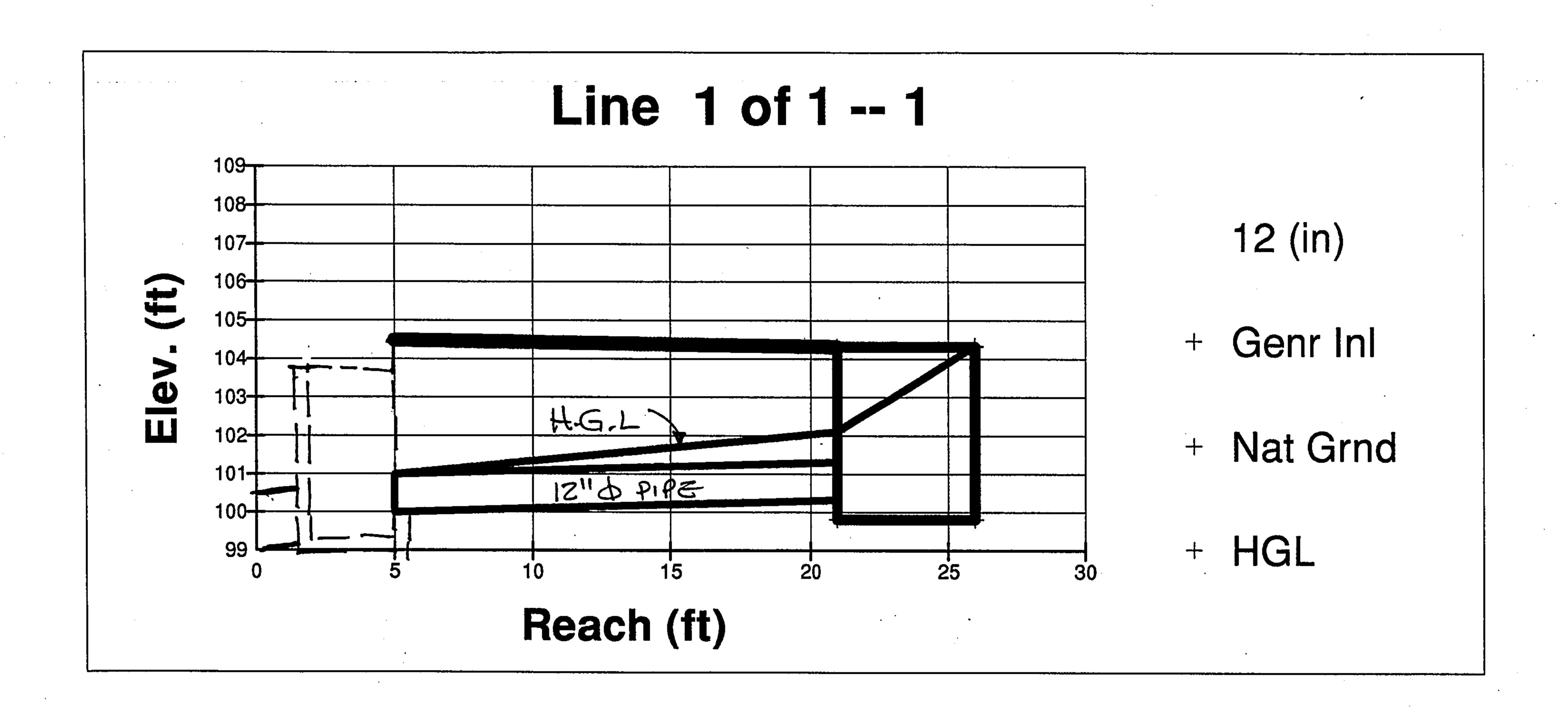
Total number of lines: 1

Run Date: 12-15-1999

NOTES: Initial tailwater elevation = 101 (ft), * Normal depth assumed., ** Critical depth assumed.

Project File: New.stm

I-D-F File: SAMPLE.IDF





P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

January 20, 2000

Steven J. Perich, Reg. Arch., Dekker/Perich/Sabatini Architects Inc. 6801 Jefferson N.E. Albuquerque, New Mexico 87109

Re: Site Plan submittal for building permit approval for Staples, 9701 Montgomery N.E., Security Federal

Addition No. 1, Tract 1-A, Lot 1-A [F-21/D012], Architect's Stamp dated 12/15/99.

Dear Mr. Perich,

The location referenced above requires modification to the Site Plan prior to Building Permit release as stated on the attached comments and marked up Site Plan.

Please provide revised T.C.L., <u>along with marked up copies and comments</u>, having addressed all concerns. Submit a full size copy of those markups, if it is your preference to keep the original red lines.

Sincerely,

Mike Zamora

Commercial Plan Checker

cc: Engineer Hydrology File Office File

- Label sheet "Traffic Control Layout Plan".
- T.C.L./Site Plan must be stamped and stamp must be dated.
- A new Traffic Circulation Layout, showing and clearly labelling new construction, needs to be submitted. This
 needs to show and label the buildings that have been permitted earlier as existing. A clearer idea of what is
 new versus what is existing is needed. Review will be done on current submittal but could be revised once new
 T.C.L. is received and reviewed.
- For this Plan, and all others following, submit street address of site. Could be part of title block or application sheet in Hydrology file.
- The designer of record's certification required by the Hydrology and Transportation Section needs to include certification that this site was constructed in accordance with the Traffic Circulation Layout (TCL) before C.O. is released. Place note on T.C.L. to this effect.
- Only one T.C.L. is needed per Permit submittal. Multiple copies of T.C.L. will need to match exactly.
- New and existing elements noted on the <u>T.C.L.</u> must be shown, labelled, and dimensioned correctly and accurately, this includes street sidewalk and curb & gutter, all drive aisles, drivepads[call out conc. or asph.], landscaping(if on separate landscape plan submit plan) and curbing.__Need to see clear differentiation between new construction and existing on Site Plan.
- City sidewalk ordinance requires minim.6' street sidewalks along the frontage of all commercial sites being developed adjacent to major streets. _Any new sidewalks must be built so back of sidewalk is at Right-of-way (property) line.
- Callout to label on asphalt "COMPACT" or equal at small car stalls at end of stall.
- Label 6" concrete curb, and type (or include detail labelled "typical"), at each individual location or call out double-line style linework, used to designate curbing, as "typical".
- Clearly indicate transition from one type of surface to the other on T.C.L., for example ramps, concrete/ asphalt, landscape/concrete, etc. Label each area or stipple to show varying surfaces, using a legend.
- On Eubank a 36'- 40 foot (posssibly 50ft.) curb cut is required if opposite an existing median opening. _If Eubank is two lanes, northbound, there is not sufficient room for semi truck(WB-40) to enter site and more space will be required on site.
- Show full width of all streets on T.C.L., to include: (1) median and opening, if it exists (including any left turn lanes into this site). Without medians show traffic lanes up to and including middle turn lane. (2) all existing/new standard curb and gutter.
- Because of the preliminary nature of the new review process, any requirements by Zoning at time of their review, altering the parking layout, will void approval of T.C.L. and new review will be needed.
- Label "Construct new drivepad per City of Albuq. Std. Detail Dwg. No. 2425/2426." at each location or as general note.
- 15' radius curve needed on all end islands along the traffic circulation path, 25' along large vehicle route as shown.
- Label asphalt and thickness of parking surface per city std. or refer to a detail which illustrates the proposed method of paving and states it's equivalency to standard asphalt surfacing.
- Property description on T.C.L. does not match current City Zone Map. Copy of plat, stamped and signed by County Clerk's Office will be needed. _Plat needs to show joint access easement needed. Show, label and dimension easement and show access easement limits on T.C.L.
- Show and label property lines and right-of-way lines.
- Need to see that obstacles in City right-of-way, in existing sidewalks are addressed as shown on City of Albuquerque Standard Detail Drawing No. 2431. Make reference to that drawing.
- All Civil Sheets (Drainage Plan and T.C.L. & details) must be together at front of plan set.
- Linework on DrainagePlan and Landscape Plan must match T.C.L. exactly.__Verify changes in T.C.L. with Hydrology. If acceptable to Hydrology, callout on T.C.L.: INSPECTION OF CONSTRUCTION FOR C.O. FOR TRANSPORTATION WILL BE DONE FROM THIS SHEET.
- Show and label new or existing H.C.ramp at street corner, must be A.D.A.
- Eubank entrance may need striping and arrows, painted per DPM.