



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (DTIS)

Project Title: _____ Hydrology File # _____

Legal Description: _____

City Address, UPC, OR Parcel: _____

Applicant/Agent: _____ Contact: _____

Address: _____ Phone: _____

Email: _____

Applicant/Owner: _____ Contact: _____

Address: _____ Phone: _____

Email: _____

TYPE OF DEVELOPMENT: Plat (# of lots) _____ Single Family Home
All other Developments

RE-SUBMITTAL: YES NO

DEPARTMENT: TRANSPORTATION HYDROLOGY/DRAINAGE

Check all that apply under Both the Type of Submittal and the Type of Approval Sought:

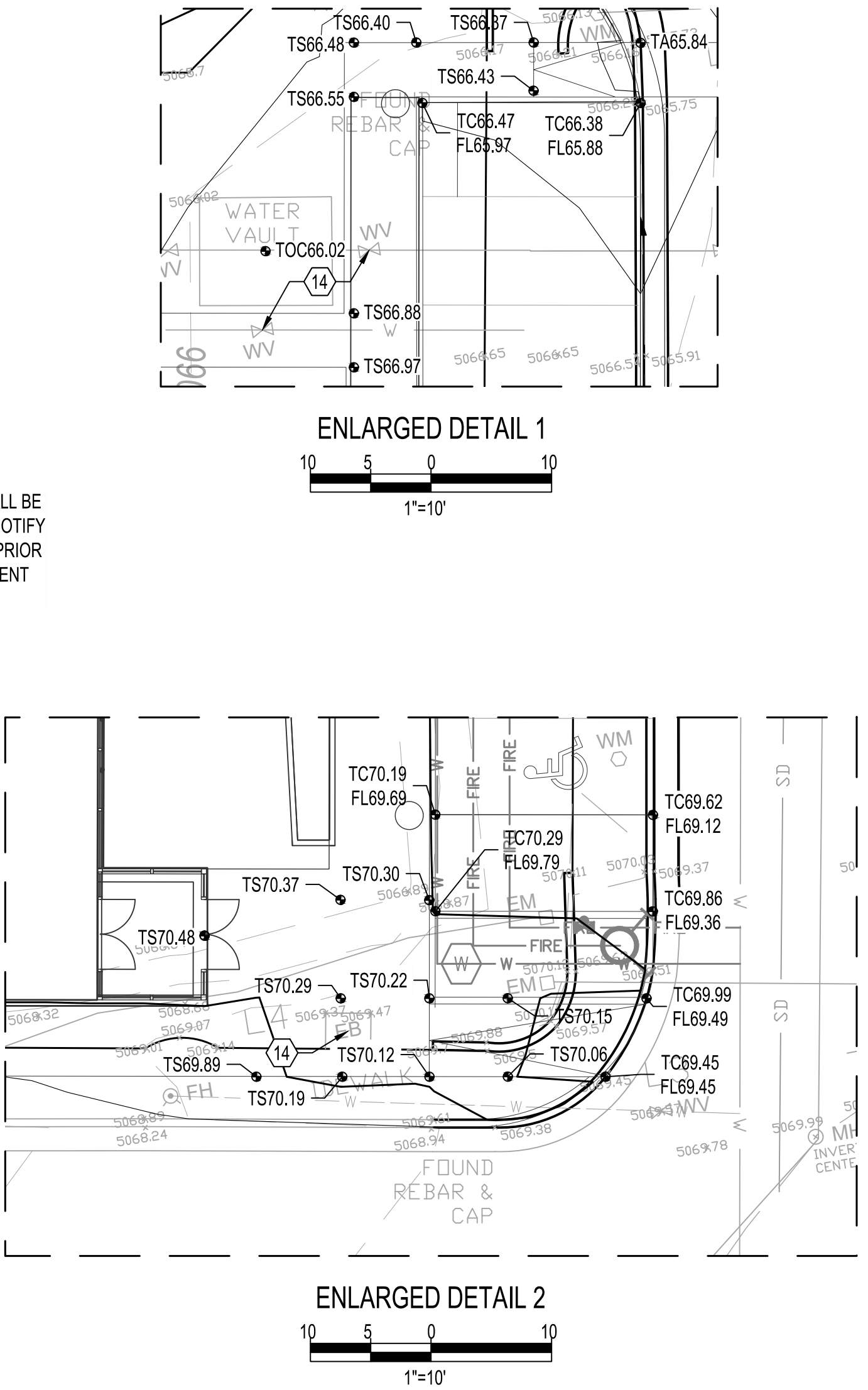
TYPE OF SUBMITTAL:

Engineering / Architect Certification
Conceptual Grading & Drainage Plan
Grading & Drainage Plan, and/or Drainage Report
Drainage Report (Work Order)
Drainage Master Plan
Conditional Letter of Map Revision (CLOMR)
Letter of Map Revision (LOMR)
Floodplain Development Permit
Traffic Circulation Layout (TCL) – Administrative
Traffic Circulation Layout (TCL) – DFT Approval
Traffic Impact Study (TIS)
Street Light Layout
OTHER (SPECIFY) _____

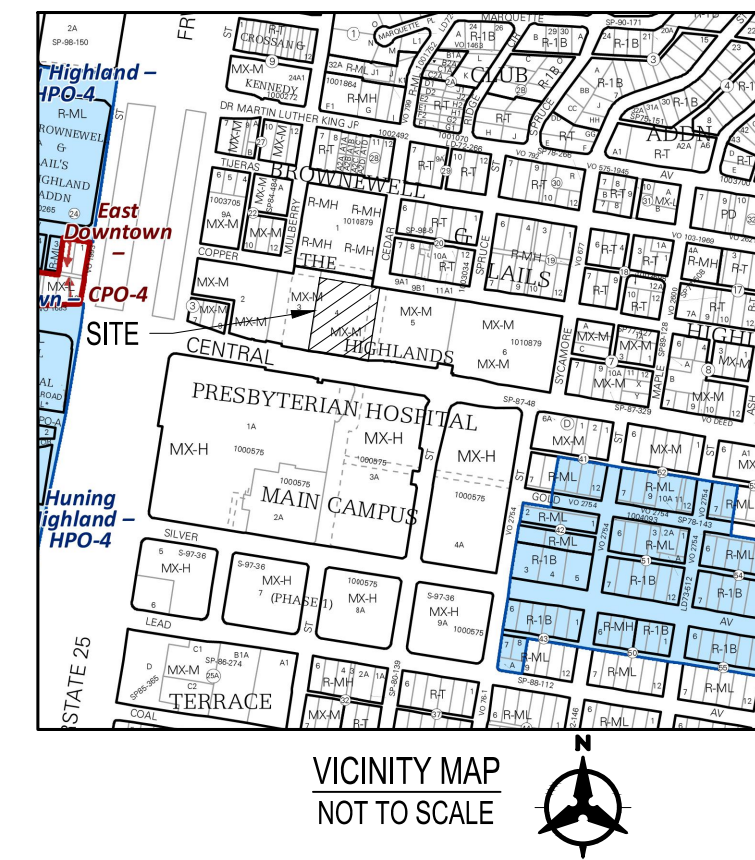
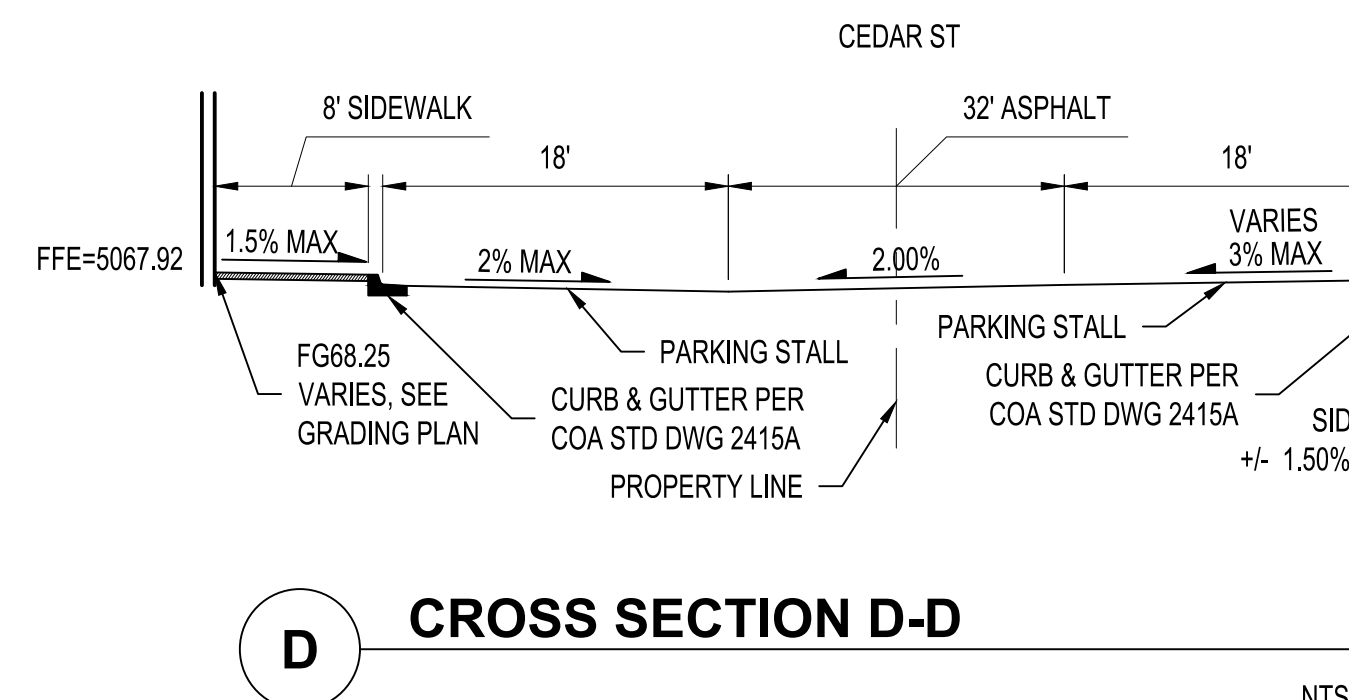
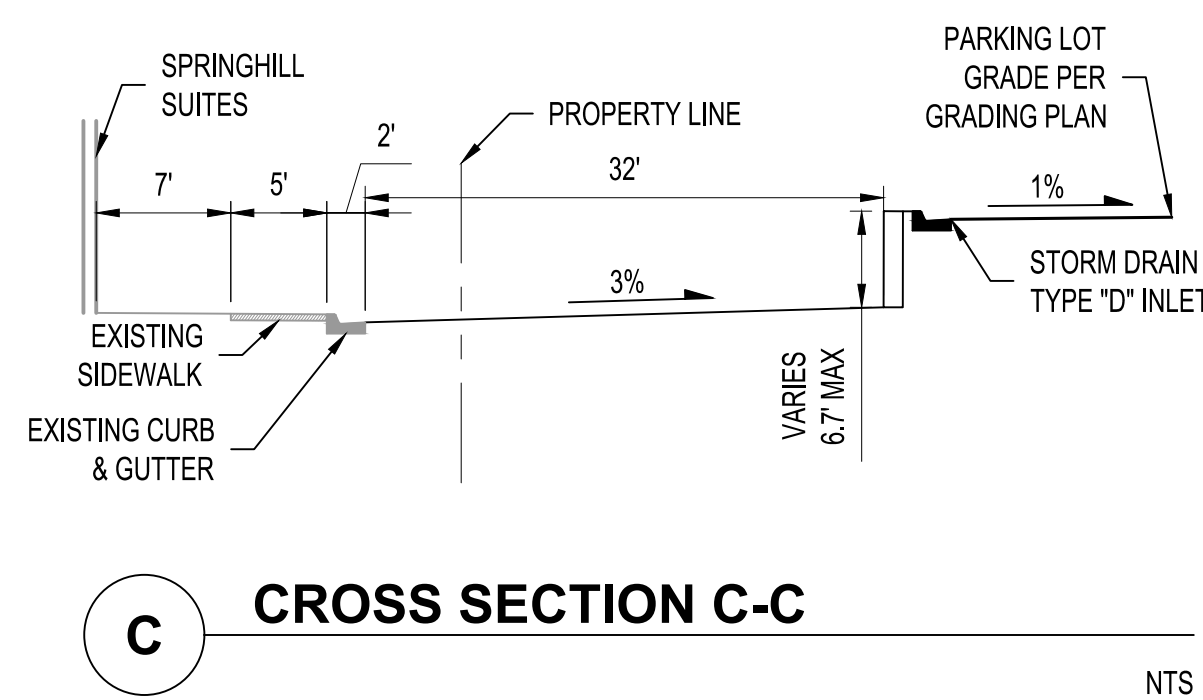
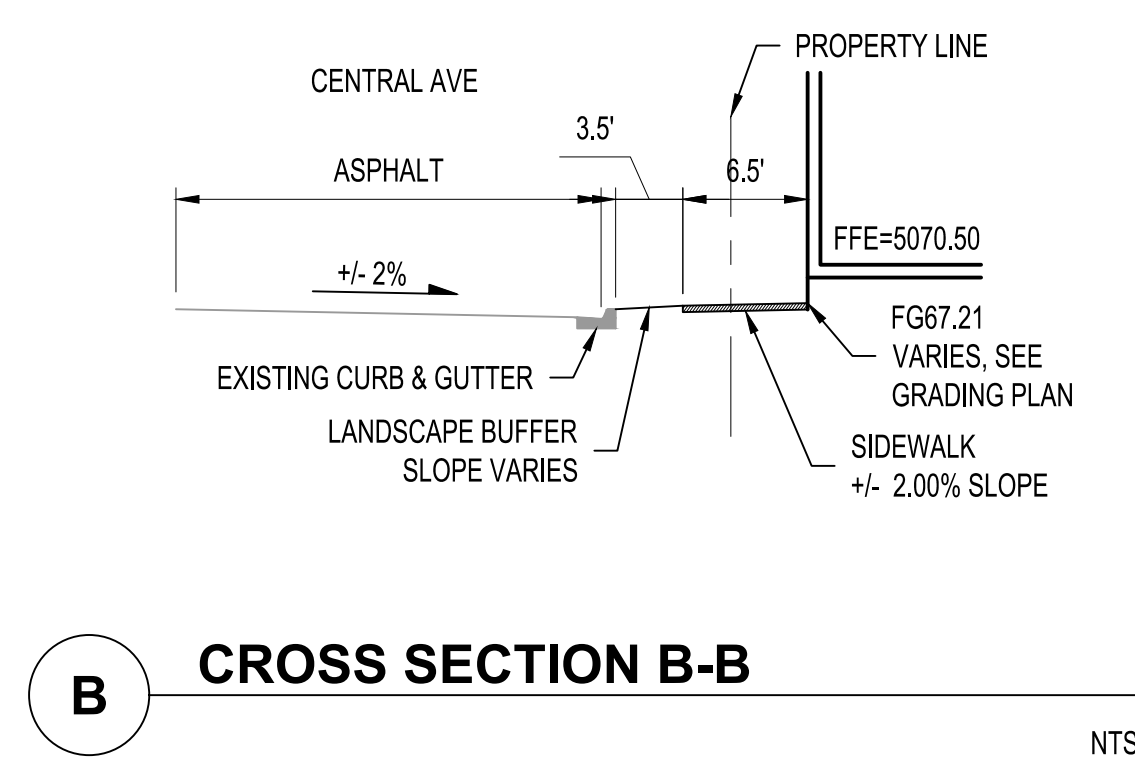
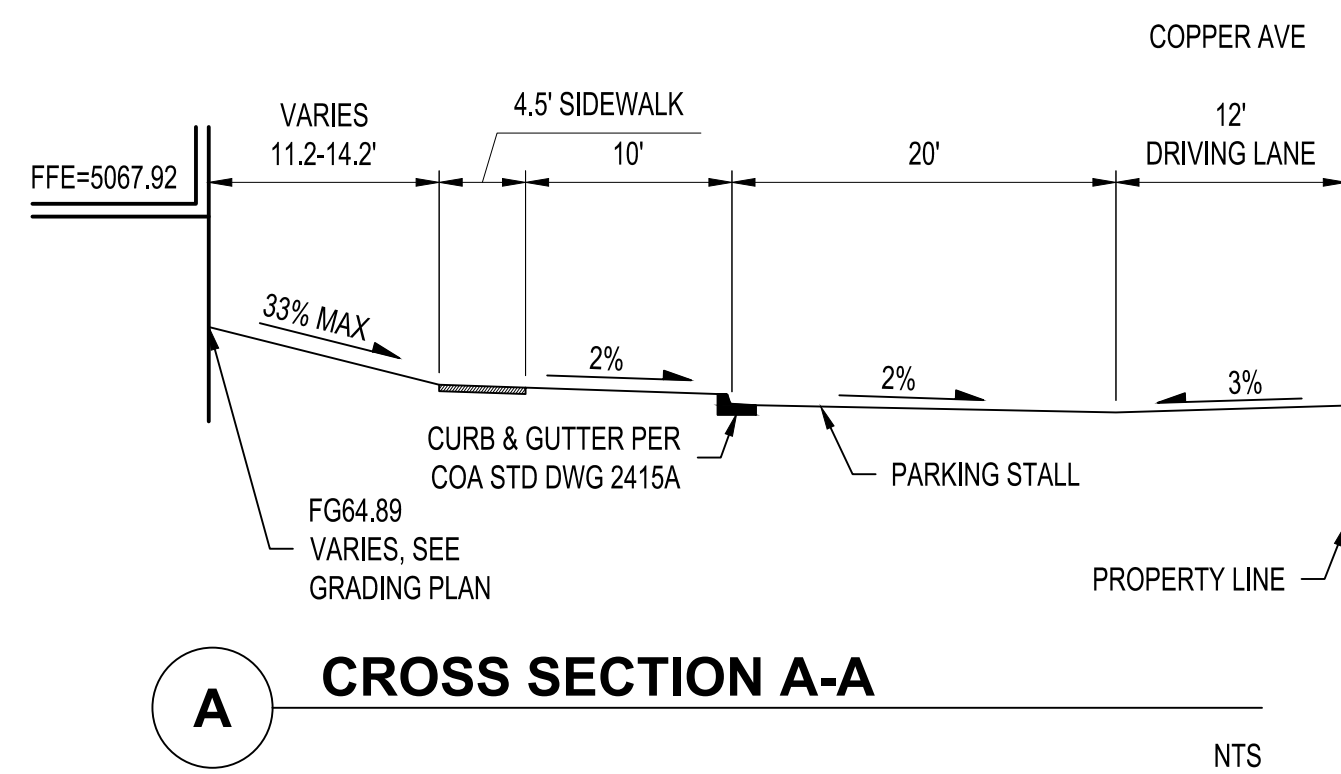
TYPE OF APPROVAL SOUGHT:

Pad Certification
Building Permit
Grading Permit
Paving Permit
SO-19 Permit
Foundation Permit
Certificate of Occupancy - Temp Perm
Preliminary / Final Plat
Site Plan for Building Permit - DFT
Work Order (DRC)
Release of Financial Guarantee (ROFG)
CLOMR / LOMR
Conceptual TCL - DFT
OTHER (SPECIFY) _____

DATE SUBMITTED: _____



Mon, 26-Aug-2024 - 1:53 pm, Plotted by: HSR/EG
P:\20230166\CDP\Plans\General\20230166_GP00.dwg



GRADING KEYNOTES

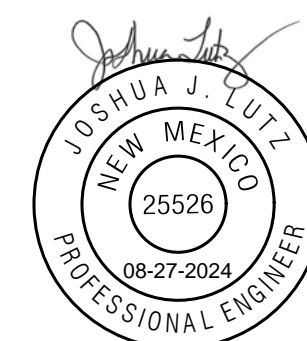
1. EXISTING STORM DRAIN TO REMAIN.
2. EXISTING INLET TO REMAIN.
3. INSTALL NEW RETAINING WALL.
4. INSTALL HDPE STORM DRAIN PIPE. SEE PLAN FOR SIZE AND SLOPE.
5. INSTALL TYPE "D" INLET PER COA STD DWG 2206 (OR APPROVED EQUAL).
6. CONNECT TO EXISTING STORM DRAIN.
7. REMOVE AND DISPOSE EXISTING STORM DRAIN.
8. REMOVE AND DISPOSE EXISTING STORM INLET.
9. INSTALL PREFABRICATED PIPE FITTING.
10. INSTALL NEW TYPE 'C' MANHOLE PER COA STD DWG 2101.
11. INSTALL ROOF DRAIN TO WITHIN 5' OF BUILDING.

NOTE

STORMWATER QUALITY CASH IN LIEU HAS PREVIOUSLY BEEN PAID AND IS NOT A REQUIREMENT FOR PERMITTING ON THIS PROJECT.

LEGEND

	PROPERTY LINE
	PROJECT LIMITS OF GRADING
	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	EXISTING GROUND SPOT ELEVATION
	PROPOSED INDEX CONTOUR
	PROPOSED INTERMEDIATE CONTOUR
	PROPOSED GRADE SPOT ELEVATION
	FL=FLOW LINE
	TC=TOP OF CURB
	TS=TOP OF SIDEWALK
	DIRECTION OF FLOW
	WATER BLOCK/GRADE BREAK



5G STUDIO COLLABORATIVE

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RESIDENCE INN & FOOD HALL ABQ
1111 CENTRAL AVE. NE
ALBUQUERQUE, NM 87102

GRADING DETAILS

210046
PROJECT NUMBER

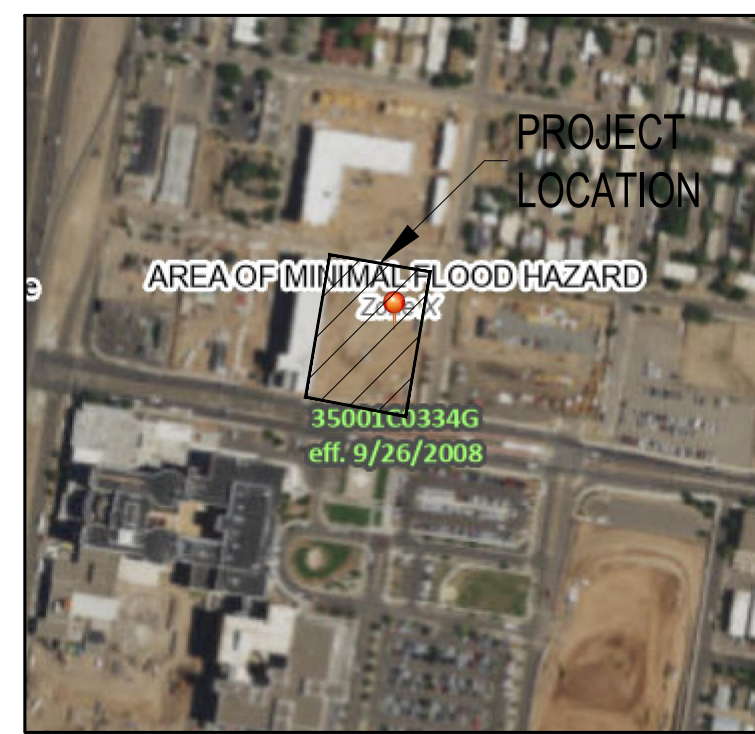


C102
EET NUMBER

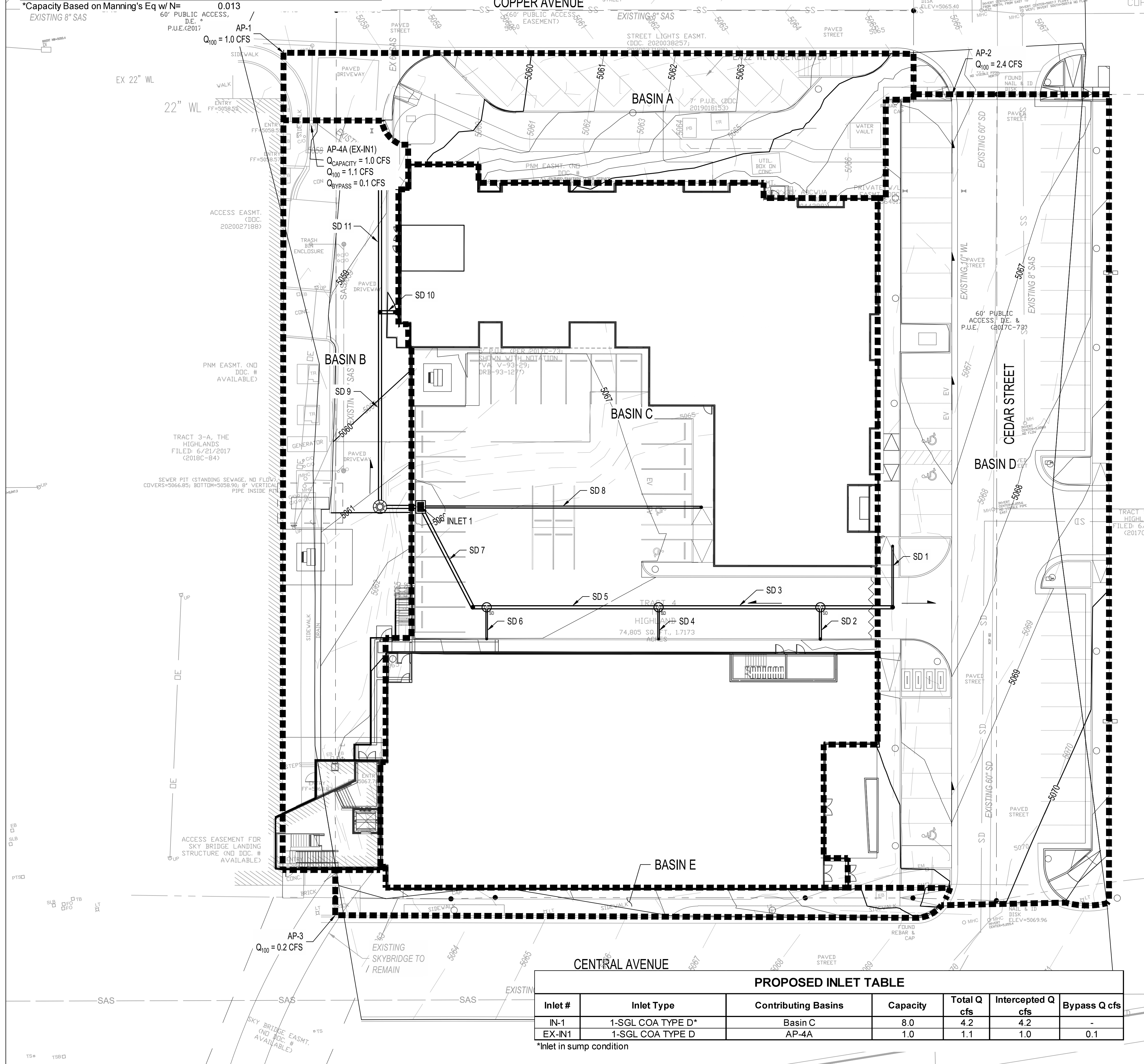
Bohannon  **Huston**
www.bhinc.com 800.877.5332

STORM DRAIN PIPE TABLE						
Pipe #	Contributing Basins and Storm Drains	Size in	Slope	Capacity cfs*	Actual Flow cfs	
SD1	1/3 of hotel roof	6	5.00%	1.25	0.47	
SD2	1/3 of food hall roof	8	5.00%	2.70	0.46	
SD3	SD1 + SD2	12	3.09%	6.26	0.93	
SD4	1/3 of food hall roof	6	5.00%	1.25	0.46	
SD5	SD3 + SD4	12	3.09%	6.26	1.39	
SD6	1/3 of food hall roof	6	5.00%	1.25	0.46	
SD7	SD5 + SD6	12	3.09%	6.26	1.85	
SD8	1/3 of hotel roof	8	6.62%	3.11	0.47	
SD9	SD7 + SD8	12	2.00%	5.04	2.33	
SD10	1/3 of hotel roof	12	5.00%	7.97	0.47	
SD11	SD9 + SD10	12	2.00%	5.04	2.80	

Residence Inn													
Proposed Developed Conditions Basin Data Table													
This table is based on the DPM Chapter 6, Zone: 2													
Basin ID	Area	Area (AC.)	Land Treatment Percentages				Q(100yr)	Q(100yr)	V(100yr)	V(100yr-6hr)	V(100yr-24hr)	Weighted Curve #	FIRST FLUSH (CF)
	(SQ. FT)		A	B	C	D	(cfs/ac.)	(CFS)	(inches)	(CF)	(CF)		
ONSITE BASINS													
BASIN A	9378	0.22	0%	0%	10%	90%	4.2	0.9	2.2	1719	1930	97	295
BASIN B	11243	0.26	0%	0%	5%	95%	4.3	1.1	2.3	2122	2389	97	374
BASIN C	42588	0.98	0%	0%	0%	100%	4.3	4.2	2.3	8269	9334	98	1491
BASIN D	24805	0.57	0%	0%	5%	95%	4.3	2.4	2.3	4682	5271	97	825
BASIN E	2377	0.05	0%	0%	30%	70%	4.0	0.2	1.9	384	426	94	58
TOTAL	90391	2.08	-	-	-	-	-	8.9	-	17177	19350		2985



FEMA MAP
MAP #: 35001C0334G



PROPOSED INLET TABLE						
Inlet #	Inlet Type	Contributing Basins	Capacity	Total Q cfs	Intercepted Q cfs	Bypass Q cfs
IN-1	1-SGL COA TYPE D*	Basin C	8.0	4.2	4.2	-
EX-IN1	1-SGL COA TYPE D	AP-4A	1.0	1.1	1.0	0.1

*Inlet in sump condition

DRAINAGE NARRATIVE

PROPOSED CONDITIONS

SEE SHEET C-001 FOR INTRODUCTION, EXISTING CONDITIONS, AND
METHODOLOGY.











THE PROPOSED SITE WILL MAINTAIN SIMILAR FLOW PATTERNS AS THE EXISTING CONDITIONS WITH SOME SLIGHT DIFFERENCES. BASIN A, ALONG COPPER AVENUE, WILL CONTINUE TO FLOW FROM EAST TO WEST, WITH THE ADDITION OF PARKING THAT WILL SLOPE DOWN TOWARDS THE EXISTING FLOWLINE IN COPPER AVENUE. BASIN B WILL DIRECT FLOW FROM THE EXTERIOR SITE TO THE SHARED DRIVE PAD FROM THE NORTH AND WEST SIDE. THIS FOLLOWS THE SIMILAR EXISTING CONDITIONS AS BASIN 2 OF THE EXISTING CONDITIONS. BASIN C CONTAINS FLOW FROM THE NEW BUILDING AND PARKING AREA. THIS FLOW DRAINS TO A LOW POINT ON THE WEST SIDE OF THE PARKING AREA WHERE A PROPOSED INLET CONNECTS TO AN EXISTING STORM DRAIN INLET ON THE NORTHWEST CORNER OF THE SITE. BASIN D WILL FLOW FROM SOUTH TO NORTH, LIKE IN EXISTING CONDITIONS. PROPOSED ON-STREET PARKING AT THE FRONT OF THE BUILDING WILL SLOPE DOWN TO THE CURB FLOWLINE AND DRAIN NORTH TO COPPER AVENUE. BASIN E WILL CAPTURE FLOW FROM THE NEW SIDEWALK OUTSIDE OF THE BUILDING, WHERE IT DISCHARGES ON TO CENTRAL AVENUE AND MOVES OFFSITE.

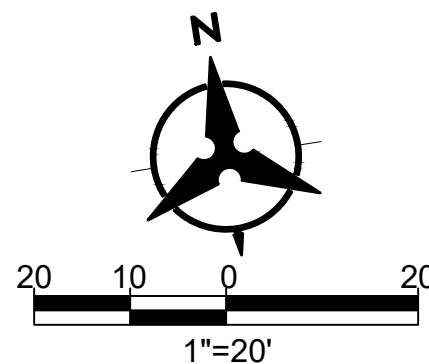
ANALYSIS POINT 1 (AP #1) IS LOCATED AT THE DRIVE PAD AT CORNER OF BASIN A AND B, WHERE THE CUMULATIVE FLOW FOR BOTH BASINS GETTING TO EXISTING INLET 1 IS ASSESSED. AP #2 ASSESSES FLOW OUTSIDE THE PARKING STRUCTURE EXIT FROM BASIN C. AP #3 ANALYZES THE FLOW FROM CEDAR STREET AT THE FLOWLINE. AP #4 IS LOCATED AT THE CORNER OF CEDAR AND CENTRAL AVENUE (EXISTING INLET 1) WHERE FLOW ULTIMATELY DISCHARGES ONTO CENTRAL FROM BASIN A.

CONCLUSION

BASED ON THE APPROVED HYDROLOGY FILE #K15D034D, THE SITE IS ALLOWED FREE DISCHARGE TO THE COPPER STORM DRAIN. THE CONDITIONS DESCRIBED ABOVE FOLLOW THE ALLOWABLE DRAINAGE PATTERN. AS SUCH, WE ARE REQUESTING COA DRB HYDROLOGY SITE PLAN FOR BUILDING PERMIT APPROVAL.

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kate@hammerandplate.com

REV.	DATE	ISSUE TITLE
	23-05-19	ISSUE FOR 30% CD
	23-07-12	ISSUE FOR 60% CD
	24-05-02	ISSUE FOR DD / 60% CD
	24-07-24	ISSUE FOR BID

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PROPOSED DRAINAGE MANAGEMENT PLAN

RESIDENCE INN & FOOD HALL ABQ
1111 CENTRAL AVE. NE
ALBUQUERQUE, NM 87102

PROPOSED DRAINAGE MANAGEMENT PLAN

210046
PROJECT

C-001
HEET NUMBER