CITY OF ALBUQUERQUE



March 16, 2017

Richard J. Berry, Mayor

Glenn Broughton, P.E. Bohannan Huston, Inc. 7500 Jefferson St NE Courtyard1 Albuquerque, NM, 87109

RE: Presbyterian Hospital Main Drive Entry Relocation

Revise Grading and Drainage Plan

Engineer's Stamp Date 3-9-2017 (File: K15 5F)

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Dear Mr. Glenn:

Based upon the information provided in your submittal received 3-10-2017, the above referenced Revised Grading and Drainage Plan is approved for paving permit.

PO Box 1293

Please attach a copy of this approved plan in the construction sets for Building Permit processing. Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

Albuquerque

If you have any questions, you can contact me at 924-3999.

New Mexico 87103

Sincerely,

www.cabq.gov

Shahab Biazar, P.E.

City Engineer, Planning Dept. Development Review Services

MA/SB



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title:	Building Permit #:	City Drainage #:
DRB#: EPC#:		Work Order#:
Legal Description:		
City Address:		
Engineering Firm:		Contact:
Address:		
Phone#: Fax#:		E-mail:
Owner:		Contact:
Address:		
Phone#: Fax#:		E-mail:
Architect:		Contact:
Address:		
Phone#: Fax#:		E-mail:
Surveyor:		Contact:
Address:		
Phone#: Fax#:		E-mail:
Contractor:		Contact:
Address:		
Phone#: Fax#:		E-mail:
TYPE OF SUBMITTAL:	CHECK TYPE OF APPROV	AL/ACCEPTANCE SOUGHT:
DRAINAGE REPORT	SIA/FINANCIAL GUARAN'	ΓEE RELEASE
DRAINAGE PLAN 1st SUBMITTAL	PRELIMINARY PLAT APPI	ROVAL
DRAINAGE PLAN RESUBMITTAL	S. DEV. PLAN FOR SUB'D	APPROVAL
CONCEPTUAL G & D PLAN	S. DEV. FOR BLDG. PERMI	T APPROVAL
GRADING PLAN	SECTOR PLAN APPROVAL	_
EROSION & SEDIMENT CONTROL PLAN (ESC)	FINAL PLAT APPROVAL	
ENGINEER'S CERT (HYDROLOGY)	CERTIFICATE OF OCCUPA	ANCY (PERM)
CLOMR/LOMR	CERTIFICATE OF OCCUPA	ANCY (TCL TEMP)
TRAFFIC CIRCULATION LAYOUT (TCL)	FOUNDATION PERMIT AP	PROVAL
ENGINEER'S CERT (TCL)	BUILDING PERMIT APPRO	OVAL
ENGINEER'S CERT (DRB SITE PLAN)	GRADING PERMIT APPRO	VAL SO-19 APPROVAL
ENGINEER'S CERT (ESC)	PAVING PERMIT APPROV	AL ESC PERMIT APPROVAL
SO-19	WORK ORDER APPROVAL	ESC CERT. ACCEPTANCE
OTHER (SPECIFY)	GRADING CERTIFICATION	OTHER (SPECIFY)
WAS A PRE-DESIGN CONFERENCE ATTENDED:	Yes No Co	ppy Provided
DATE SUBMITTED:	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 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 followin

- 1. Conceptual Grading and Drainage Plan: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans
- Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five (5) acres Drainage Report: Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more
- Erosion and Sediment Control Plan: Required for any new development and redevelopment site with 1-acre or more of land disturbing area, including project less than 1-acre than are part of a larger common plan of development

ARCHITECTURE / DESIGN / INSPIRATION

FIRST FLUSH VOLUME REQUIREMENTS ARE BASED ON AN EXCESS PRECIPITATION DEPTH OF 0.34". THE REQUIRED RETENTION VOLUME WAS CALCULATED BY DRAINAGE BASIN AND WAS BASED ON NEW PAVEMENT AREAS ONLY.

LOT MODIFICATIONS AT THE DOWNTOWN PRESBYTERIAN HOSPITAL LOCATED AT THE SOUTHEAST CORNER OF CENTRAL AVENUE AND

THE CALCULATED PEAK RUNOFF FROM THE PRESBYTERIAN SITE WHICH FLOWS INTO CENTRAL AT CEDAR IS 24.1 CFS. THE

THE HYDROLOGIC ANALYSIS FOR THIS SITE IS BASED ON THE 100-YR, 6-HR STORM EVENT IN ACCORDANCE WITH CHAPTER 22.2 OF THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL. SEE THE EXISTING CONDTIONS BASIN TABLE FOR LAND TREATMENTS

IN BASIN PB3 AS INTENDED. SEE THE PROPOSED CONDITIONS DRAINAGE MANAGEMENT PLANS FOR DRAINAGE BASINS, LAND

COMPROMISE THE STRUCTURAL INTEGRITY OF THE WALLS. INLET SUMPS AND SNOUTS ARE INCLUDED AT ALL OF THE ONSITE STORM

INTRODUCTION

AND CALUCALTED RUNOFF PEAK FLOW RATES.

PROPOSED HYDROLOGIC CONDITIONS

IV. STORM WATER QUALITY

TREATMENTS, INLET AND STORM DRAIN CAPACITY CALCULATIONS.

- EXISTING CONC.

RUNDOWN/SIDEWALK CULVERT

Q=5.5 CFS

- EXISTING CONC.

Q=5.7 CFS

- EXISTING INLET 2

BYPASS = 10.0 CFS

0 = 1.8 CFS

EXISTING INLET

BYPASS = 1.6 CFS

EX8

Q=7.4 CFS

EX9 Q=2.1 cfs

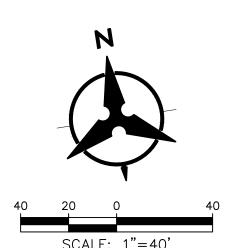
Q=5.4 CFS

RUNDOWN/SIDEWALK CULVER

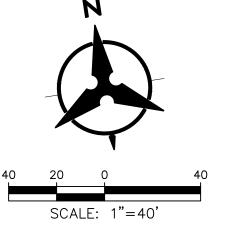
0.8

-5115	DOWNTOWN PRESBYTERIAN HOSPITAL											
	Existing Conditions Basin Data Table											
	This	table is base	ed on the I	OPM Section								
1,38 F	Basin	Area	Area	Land	d Treatme	nt Percent	ages	Q(100)	Q(100)	WT E	V (100-24hr))	
	ID	(SQ. FT)	(AC.)	Α	В	С	D	(cfs/ac.)	(CFS)	(inches)	CF	
	EX 1	51698	1.19	0.0%	0.0%	3.0%	97.0%	4.65	5.5	2.09	10677	
	EX 2	20633	0.47	0.0%	0.0%	4.0%	96.0%	4.64	2.2	2.08	4237	
	EX 3	72402	1.66	0.0%	0.0%	3.0%	97.0%	4.65	7.7	2.09	14953	
	EX 4	39063	0.90	0.0%	0.0%	49.0%	51.0%	3.94	3.5	1.63	5986	
	EX 5	24843	0.57	0.0%	0.0%	5.0%	95.0%	4.62	2.6	2.07	5073	
	EX 6	8262	0.19	0.0%	0.0%	16.0%	84.0%	4.45	0.8	1.96	1582	
	EX 7	9084	0.21	0.0%	0.0%	13.0%	87.0%	4.50	0.9	1.99	1771	
	EX 8	69553	1.60	0.0%	0.0%	4.0%	96.0%	4.64	7.4	2.08	14284	
	EX 9	19313	0.44	0.0%	0.0%	3.0%	97.0%	4.65	2.1	2.09	3989	
ONCRETE 17:48	EX 10	17664	0.41	0.0%	0.0%	3.0%	97.0%	4.65	1.9	2.09	3648	
	EX 11	17424	0.40	0.0%	0.0%	5.0%	95.0%	4.62	1.8	2.07	3558	
	EX 12	16797.8	0.39	0.0%	0.0%	6.0%	94.0%	4.61	1.8	2.06	3411	
79	EX 13	50748.6	1.17	0.0%	0.0%	5.0%	95.0%	4.62	5.4	2.07	10363	
\ \	EX 14	53135.2	1.22	0.0%	0.0%	3.0%	97.0%	4.65	5.7	2.09	10974	

	DOWNTOWN PRESBYTERIAN HOSPITAL									
		INLET T	ABLE							
INLET	CONTRIBUTING	INLET	TOP OF	ACTUAL	AVAIL	CAPACITY	Grate			
#	BASIN	TYPE	GRATE	FLOW	HEAD		Calculation			
				CFS	FT	CFS				
EX IN-1	PB8	1-A-SGL	5081.25	7.4	N/A	5.8	Cont Grade			
EX IN-2	PB1, PB5, PB9, PB12	1-A-SGL	5079.90	12.0	0.2	2.0	Sump			
EX IN-3	PB10	1-A-SGL	5079.00	1.9	0.2	2.0	Sump			
EX IN-4	IN1 & IN3 OVERFLOW	1-A-SGL	5078.28	3.4	0.5	8.1	Sump			



Bohannan A Huston



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Thu, 9-Mar-2017 - 4:31:pm, Plotted by: BORTEGA

EXISTING INLET 4 —

EXISTING INLET 3 -

CAPACITY = 2.0 CFS

TCT 2

CAPACITY = 8.1 CFS

EX1

Q=1.8 CFS

PROJECT

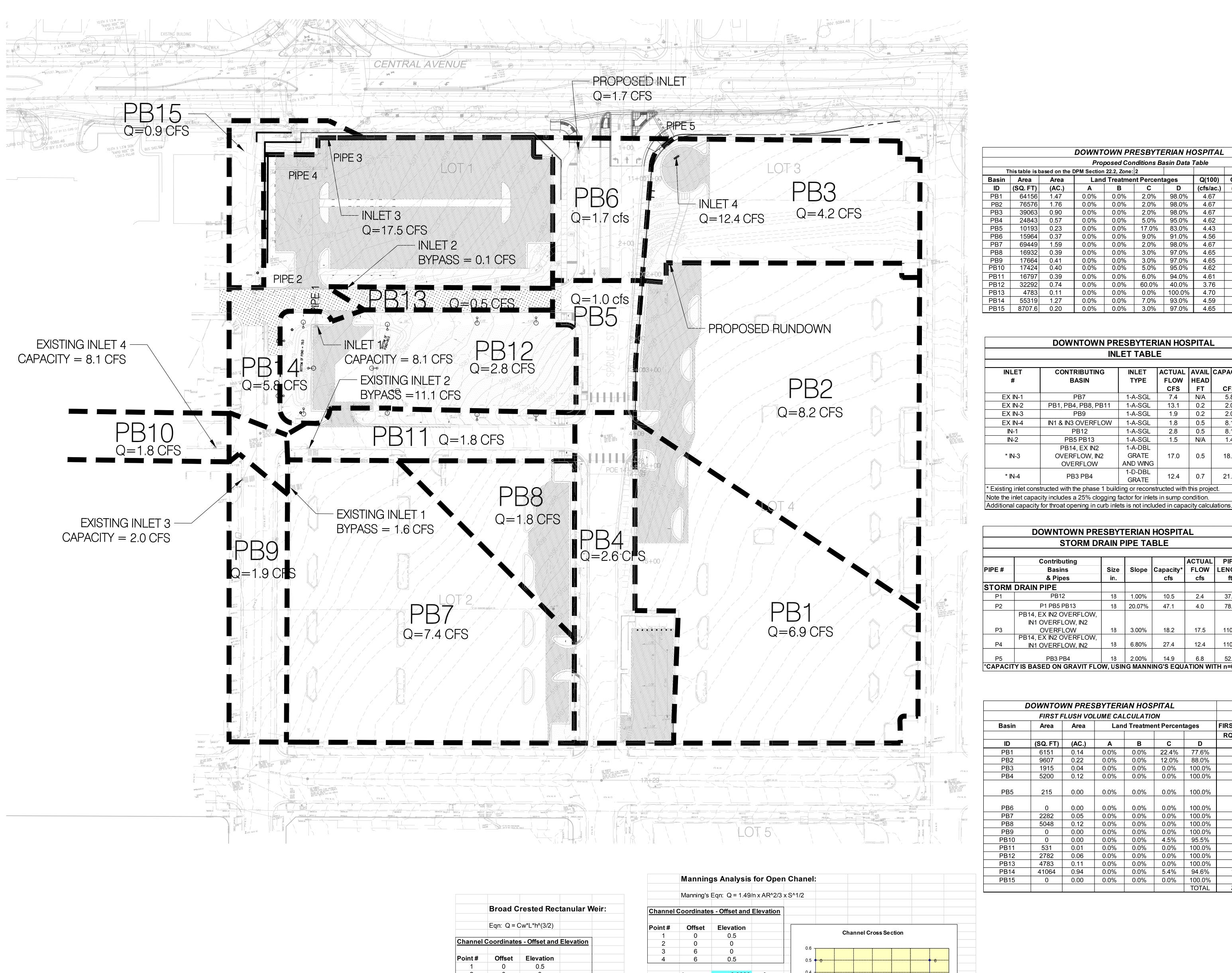
100% CONSTRUCTION DOCUMENTS

THE WORK INCLUDED HEREIN IS NOT NECESSARILY ALL INCLUSIVE. OFFICIAL BID DOCUMENTS INCLUDING ALL 1\ ASI-1 VE MODIFICATIONS

DRAWN BY **REVIEWED BY** DATE 10/24/2016 15-0125.001 PROJECT NO. DRAWING NAME

EXISTING CONDITIONS DRAINAGE MANAGEMENT PLAN

SHEET NO.

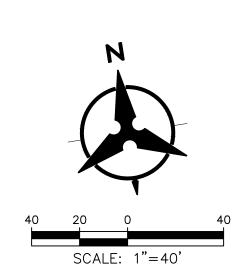


	·	·	DOWNT	OWN PR	RESBYTE	ERIAN H	OSPITAL	·		·
			Pro	posed Cor	nditions Ba	asin Data	Table			
Т	his table is b	ased on the [OPM Section	22.2, Zone:	2					
Basin	Area	Area	Land	d Treatme	nt Percent	ages	Q(100)	Q(100)	WT E	V (100-24hr
ID	(SQ. FT)	(AC.)	Α	В	С	D	(cfs/ac.)	(CFS)	(inches)	CF
PB1	64156	1.47	0.0%	0.0%	2.0%	98.0%	4.67	6.9	2.10	13324
PB2	76576	1.76	0.0%	0.0%	2.0%	98.0%	4.67	8.2	2.10	15904
PB3	39063	0.90	0.0%	0.0%	2.0%	98.0%	4.67	4.2	2.10	8113
PB4	24843	0.57	0.0%	0.0%	5.0%	95.0%	4.62	2.6	2.07	5073
PB5	10193	0.23	0.0%	0.0%	17.0%	83.0%	4.43	1.0	1.95	1940
PB6	15964	0.37	0.0%	0.0%	9.0%	91.0%	4.56	1.7	2.03	3186
PB7	69449	1.59	0.0%	0.0%	2.0%	98.0%	4.67	7.4	2.10	14423
PB8	16932	0.39	0.0%	0.0%	3.0%	97.0%	4.65	1.8	2.09	3497
PB9	17664	0.41	0.0%	0.0%	3.0%	97.0%	4.65	1.9	2.09	3648
PB10	17424	0.40	0.0%	0.0%	5.0%	95.0%	4.62	1.8	2.07	3558
PB11	16797	0.39	0.0%	0.0%	6.0%	94.0%	4.61	1.8	2.06	3411
PB12	32292	0.74	0.0%	0.0%	60.0%	40.0%	3.76	2.8	1.53	4537
PB13	4783	0.11	0.0%	0.0%	0.0%	100.0%	4.70	0.5	2.12	1004
PB14	55319	1.27	0.0%	0.0%	7.0%	93.0%	4.59	5.8	2.05	11168
PB15	8707.6	0.20	0.0%	0.0%	3.0%	97.0%	4.65	0.9	2.09	1798

INLET TABLE								
INLET	CONTRIBUTING	INLET	ACTUAL	AVAIL	CAPACITY	Grate		
#	BASIN	TYPE	FLOW	HEAD		Calculation		
			CFS	FT	CFS			
EX IN-1	PB7	1-A-SGL	7.4	N/A	5.8	Cont Grade		
EX IN-2	PB1, PB4, PB8, PB11	1-A-SGL	13.1	0.2	2.0	Sump		
EX IN-3	PB9	1-A-SGL	1.9	0.2	2.0	Sump		
EX IN-4	IN1 & IN3 OVERFLOW	1-A-SGL	1.8	0.5	8.1	Sump		
IN-1	PB12	1-A-SGL	2.8	0.5	8.1	Sump		
IN-2	PB5 PB13	1-A-SGL	1.5	N/A	1.4	Cont Grade		
	PB14, EX IN2	1-A-DBL						
* IN-3	OVERFLOW, IN2	GRATE	17.0	0.5	18.8	Sump		
	OVERFLOW	AND WING						
* IN-4	PB3 PB4	1-D-DBL	12.4	0.7	21.1	Sump		
II N- 41	FB3 FB4	GRATE	12.4	0.7	21.1	Sump		

DOWNTOWN PRESBYTERIAN HOSPITAL							
STORM DE	RAIN P	IPE TA	BLE				
Contributing				ACTUAL	PIPE		
Basins	Size	Slope	Capacity*	FLOW	LENGTH		
& Pipes	in.		cfs	cfs	ft		
DRAIN PIPE							
PB12	18	1.00%	10.5	2.4	37.0		
P1 PB5 PB13	18	20.07%	47.1	4.0	78.0		
PB14, EX IN2 OVERFLOW, IN1 OVERFLOW, IN2							
OVERFLOW	18	3.00%	18.2	17.5	110.0		
PB14, EX IN2 OVERFLOW, IN1 OVERFLOW, IN2	18	6.80%	27.4	12.4	110.0		
PB3 PB4	18	2.00%	14.9	6.8	52.0		
	Contributing Basins & Pipes DRAIN PIPE PB12 P1 PB5 PB13 PB14, EX IN2 OVERFLOW, IN1 OVERFLOW, IN2 OVERFLOW PB14, EX IN2 OVERFLOW, IN1 OVERF	Contributing Basins Size & Pipes in. DRAIN PIPE PB12 18 P1 PB5 PB13 18 P1 PB5 PB13 18 PB14, EX IN2 OVERFLOW, IN1 OVERFLOW, IN2 OVERFLOW 18 PB14, EX IN2 OVERFLOW, IN1 OVERFLOW, IN2 OVERFLOW 18	Contributing Basins Size Slope & Pipes in.	Contributing Basins Size Slope Capacity*	Contributing Basins Size Slope Capacity* FLOW		

	FIRST F	LUSH VO						
Basin	Area	Area	Lan	d Treatme	nt Percent	tages	FIRST FLUSH	FIRST FLUSH
							RQD. VOL.	VOL. PROVIDED
ID	(SQ. FT)	(AC.)	Α	В	С	D	(CF)	(CF)
PB1	6151	0.14	0.0%	0.0%	22.4%	77.6%	135	120
PB2	9607	0.22	0.0%	0.0%	12.0%	88.0%	240	180
PB3	1915	0.04	0.0%	0.0%	0.0%	100.0%	54	SNOUT AT INLET
PB4	5200	0.12	0.0%	0.0%	0.0%	100.0%	147	0
PB5	215	0.00	0.0%	0.0%	0.0%	100.0%	6	LANDSCAPE SWALE IN R/W
PB6	0	0.00	0.0%	0.0%	0.0%	100.0%	0	LANDSCAPE SWALE IN R/W
PB7	2282	0.05	0.0%	0.0%	0.0%	100.0%	65	120
PB8	5048	0.12	0.0%	0.0%	0.0%	100.0%	143	120
PB9	0	0.00	0.0%	0.0%	0.0%	100.0%	0	0
PB10	0	0.00	0.0%	0.0%	4.5%	95.5%	0	0
PB11	531	0.01	0.0%	0.0%	0.0%	100.0%	15	SNOUT AT INLET
PB12	2782	0.06	0.0%	0.0%	0.0%	100.0%	79	690
PB13	4783	0.11	0.0%	0.0%	0.0%	100.0%	136	SNOUT AT INLET
PB14	41064	0.94	0.0%	0.0%	5.4%	94.6%	1101	SNOUT AT INLEST
PB15	0	0.00	0.0%	0.0%	0.0%	100.0%	0	0
						TOTAL	2120	1230



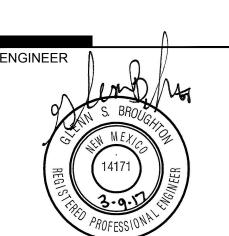
Bohannan A Huston

DEKKER PERICH SABATINI

ARCHITECTURE / DESIGN / INSPIRATION

7601 JEFFERSON NE, SUITE 100 ALBUQUERQUE, NM 87109

505.761.9700 / DPSDESIGN.ORG



PROJECT

100% CONSTRUCTION DOCUMENTS

THE WORK INCLUDED HEREIN IS NOT NECESSARILY ALL INCLUSIVE. OFFICIAL BID DOCUMENTS INCLUDING ALL ADDENDA PREVAILS.

ASI-1 VE MODIFICATIONS

DRAWN BY REVIEWED BY 10/24/2016 DATE PROJECT NO. 15-0125.001

DRAWING NAME PROPOSED CONDITIONS

DRAINAGE MANAGEMENT PLAN

SHEET NO.

0.5000 ft.

Q= 8.591

0.42857143 ft.

1.0000% 0.013

Q= 19.545 V= 6.52

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Thu, 9-Mar-2017 - 4:31:pm, Plotted by: BORTEGA

GENERAL NOTES

1. ALL WORK DETAILED ON THESE PLANS AND PERFORMED UNDER THIS CONTRACT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE PROJECT GEOTECHNICAL REPORT. WHERE APPLICABLE, CITY OF ALBUQUERQUE PUBLIC WORKS STANDARDS SHALL APPLY.

2. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE.

3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS INCLUDING ALL UNDERGROUND UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER OR ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION OF EXISTING UTILITIES.

5. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.

6. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.

7. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

8. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY. 9. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E., BARRICADING, TOPSOIL DISTURBANCE, EXCAVATION PERMITS, EPA STORM WATER PERMITS, ETC.).

EXPENSE. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR. 11. THE CONTRACTOR SHALL PREPARE A CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.

10. ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S

12. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), US DEPARTMENT OF TRANSPORTATION, LATEST EDITION.

13. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY. 14. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONFORM WITH EPA REQUIREMENTS, INCLUDING COMPLIANCE WITH NPDES PHASE 2 REQUIREMENTS.

GRADING NOTES

1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.

2. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST.

3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION". ALL OTHER WORK SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT, (FIRST PRIORITY) SPECIFICATIONS, AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).

4. EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.

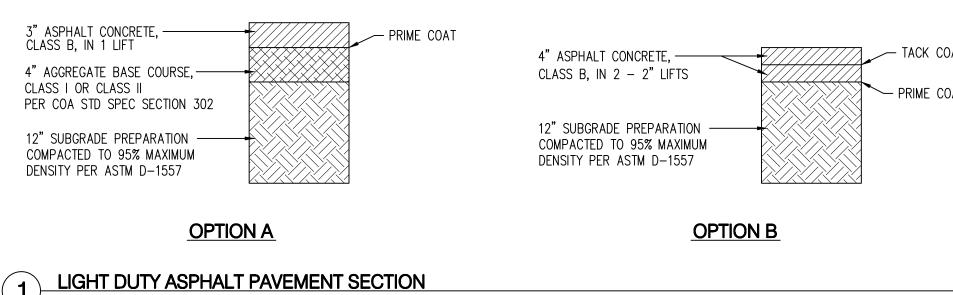
5. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.

6. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY.

7. A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL OR BORROW SITE AND HAUL TO OR FROM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.

8. PAVING AND ROADWAY GRADES SHALL BE +/- 0.1' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM BUILDING PLAN ELEVATION.

9. VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION PRIOR TO



1 LIGHT DUTY ASPHALT PAVEMENT SECTION

6" AGGREGATE BASE COURSE,—— CLASS I OR CLASS II PER COA STD SPEC SECTION 302 12" SUBGRADE PREPARATION — COMPACTED TO 95% MAXIMUM DENSITY PER ASTM D-1557

4" ASPHALT CONCRETE, —— CLASS B, IN 2 - 2" LIFTS 4" AGGREGATE BASE COURSE,—— CLASS I OR CLASS II PER COA STD SPEC SECTION 302 12" SUBGRADE PREPARATION — COMPACTED TO 95% MAXIMUM DENSITY PER ASTM D-1557

<u>OPTION B</u>

OPTION A

2 HEAVY DUTY ASPHALT PAVEMENT SECTION

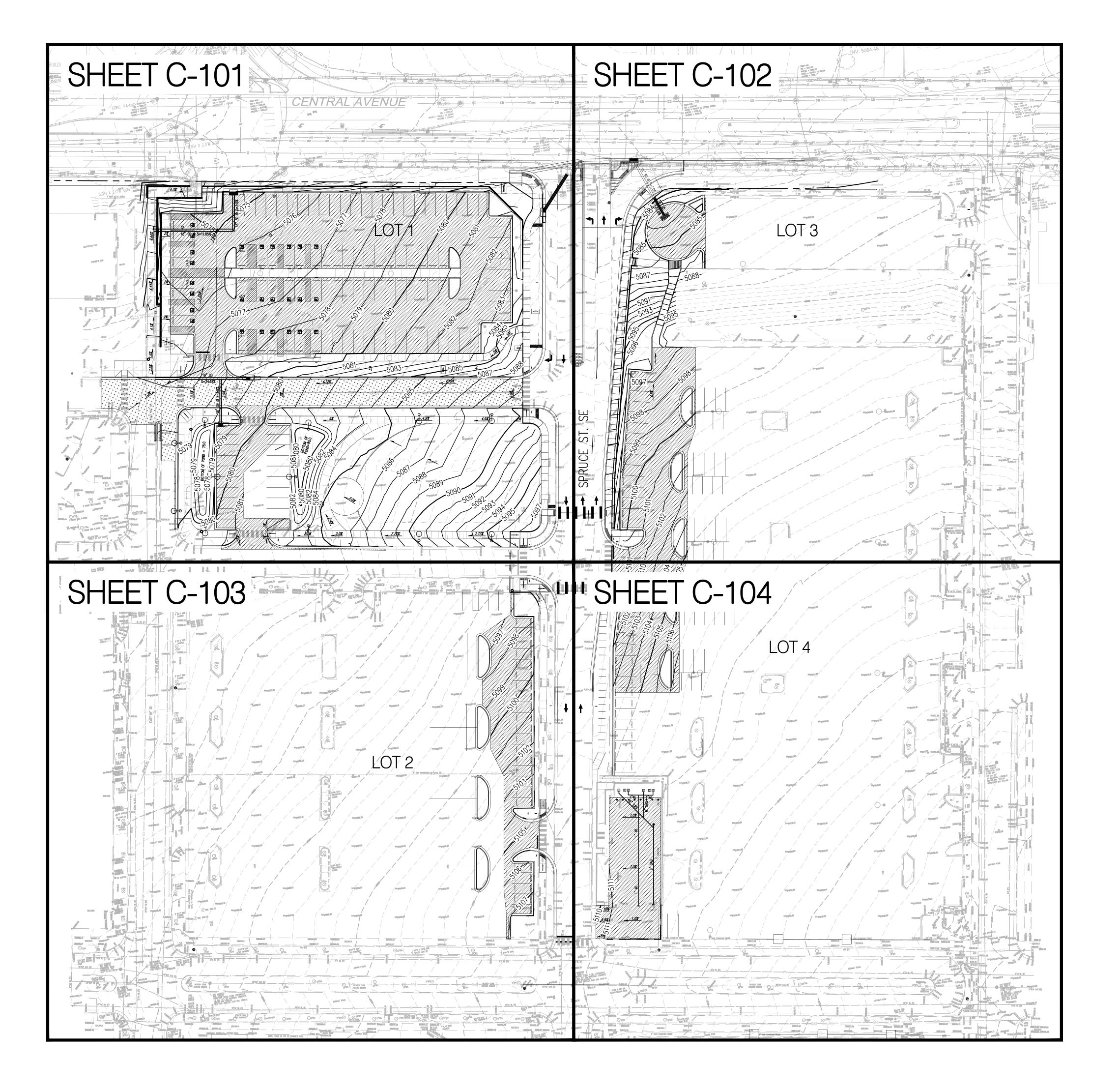
NTS

DRAWN BY ВО

GSB **REVIEWED BY** DATE 10/24/2016 PROJECT NO. 15-0125.001 DRAWING NAME

OVERALL GRADING & DRAINAGE PLAN

Bohannan A Huston



PERICH

ARCHITECTURE / DESIGN / INSPIRATION

7601 JEFFERSON NE, SUITE 100 ALBUQUERQUE, NM 87109 505.761.9700 / DPSDESIGN.ORG

ARCHITECT

ENGINEER

PROJECT

NOT NECESSARILY ALL INCLUSIVE. OFFICIAL BID DOCUMENTS INCLUDING ALL

ADDENDA PREVAILS.

NEW HEAVY DUTY ASPHALT PAVEMENT SECTION

SEE DETAIL 2/C100

UGE FD U

FL5082.92

*FGH9

FL82.00

TC83:36 FL82:86

√FL80.59⁄50

FL80.93-

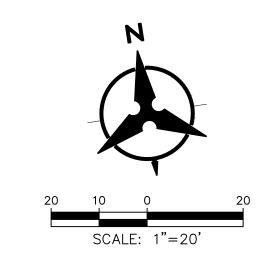
TS80.93

TA79.00

TS79.00

/—ТА78.45 тгэ

TC81.79



KEYED NOTES

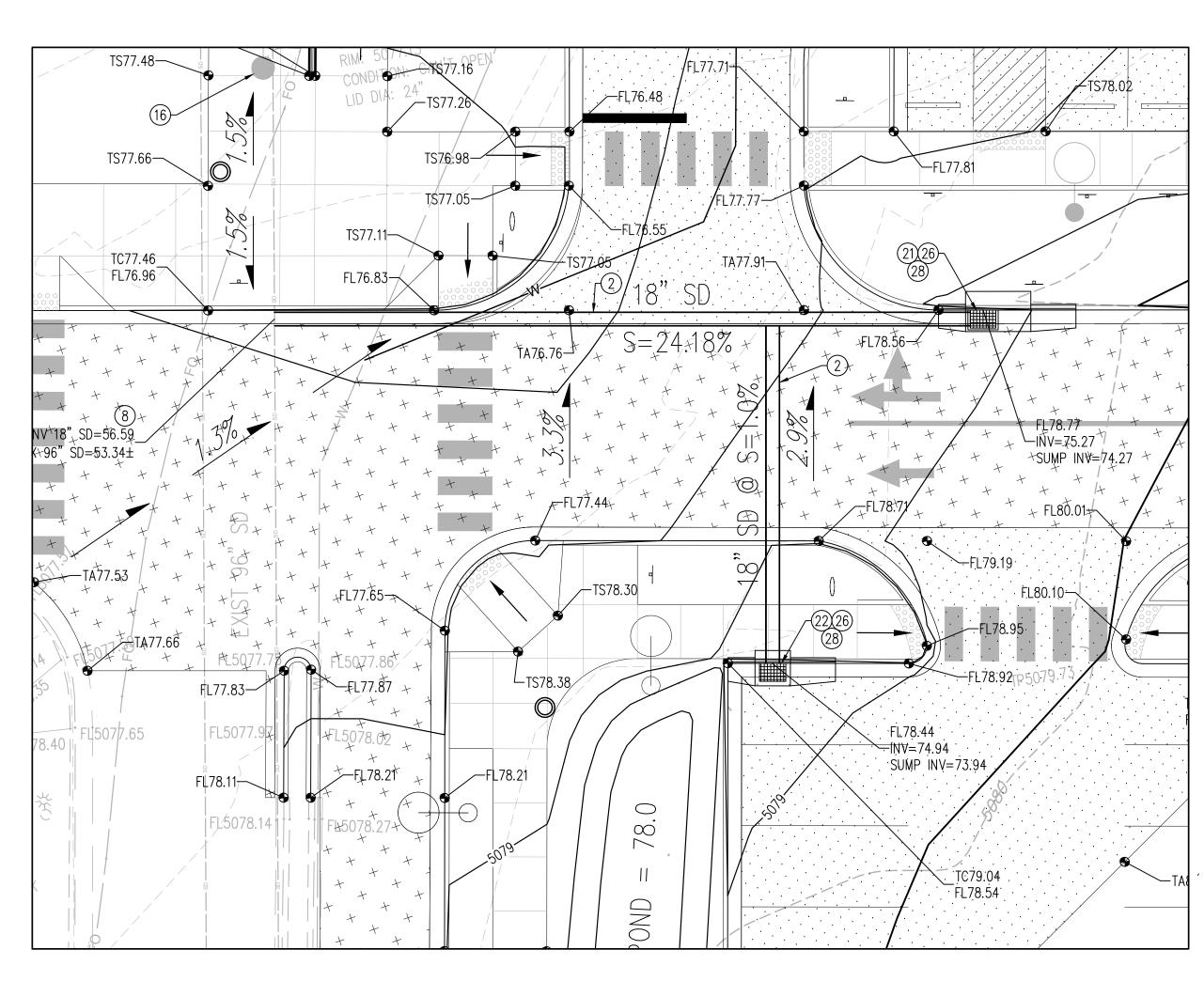
- 1. RETAINING WALL, SEE STRUCTURAL PLANS FOR DETAILS.
- 2. INSTALL STORM DRAIN PIPE. SEE PLAN FOR SIZE & SLOPE.
- 3. CONSTRUCT 24" WIDE SIDEWALK CULVERT PER COA STD DWG 2236.
- 4. CONSTRUCT TYPE "A" SINGLE WING, DOUBLE GRATE STORM DRAIN INLET PER COA STD DWG 2201.
- 5. ROADWAY & SIDEWALK IMPROVEMENTS WITHIN SPRUCE STREET RIGHT OF WAY TO BE CONSTRUCTED UNDER DITY WORK ORDER, CITY PROJECT NUMBER 707583.
- 6. INSTALL 6" SDR-35 PVC SANITARY SEWER LINE.
- 7. INSTALL 1' WATER SERVICE LINE.
- 8. CONNECT TO EXISTING 96" STORM DRAIN PER DETAIL ON SHEET C-105. INSTALL 1 JOINT OF 18" RCP AT CONNECTION. INSTALL CONCRETE COLLAR AT CONNECTION OF 18" RCP & 18" HDPE PIPE.
- 9. NOT USED.
- 10. CONSTRUCT 24" WIDE CONCRETE RIBBON CHANNEL PER COA STD DWG 2236. OMIT CHECKERED STEEL PLATE.
- 11. CURB HEIGHT VARIES FROM 6" TO 9".
- 12. CONSTRUCT TYPE "A" DOUBLE WING, DOUBLE GRATE STORM DRAIN INLET PER COA STD DWG 2201.
- 13. INSTALL 1" FROST FREE YARD HYDRANT W/AUTO DRIP BALL, ZURN MODEL 21396 OR APPROVED FOUAL
- MODEL 21396 OR APPROVED EQUAL.
- 14. INSTALL 6" SANITARY SEWER CLEAN OUT, SEE DETAIL ON SHEET C-104.15. CONSTRUCT 12" WIDE CURB OPENING FOR DRAINAGE, SEE DETAIL ON SHEET C-105.
- 16. ADJUST EXISTING SANITARY SEWER MAN HOLE RIM & COVER TO FINISHED GRADE
- 17. INSTALL TYPE "D" DOUBLE GRATE STORM DRAIN INLET PER COA STD DWG 2206.
- 18. CONSTRUCT CONCRETE RUNDOWN PER DETAIL 1/C-102.

19. CONSTRUCT FLARED CONCRETE RUNDOWN OPENING PER DETAIL 2/C-102.

- 21. CONSTRUCT TYPE "A" SINGLE GRATE STORM DRAIN INLET PER COA STD DWG 2201.
- 22. CONSTRUCT TYPE "C" SINGLE GRATE STORM DRAIN INLET PER COA STD DWG 2205.
- 23. CONSTRUCT 24" WIDE CURB OPENING FOR DRAINAGE.

20. CONNECT TO EXISTING STORM DRAIN INLET.

- 24. NOT USED.
- 25. CONSTRUCT TYPE "E" STORM DRAIN MANHOLE PER COA STD DETAIL 2102.
- 26. INSTALL 18F SNOUT AT 18" OUTLET PIPE.
- 27. CONSTRUCT 1' DEEP INLET SUMP. NO INLET SUMP DRAIN NEEDED AT
- 28. INSTALL INLET SUMP DRAIN PER DETAIL 4/C-105.
- 29. CONNECT TO EXISTING SANITARY SEWER SERVICE LINE.
- 30. CONNECT TO EXISTING WATER SERVICE LINE. CONTRACTOR TO VERIFY EXACT LOCATION.
- NOTE: NOT ALL KEYED NOTES MAY APPLY TO THIS SHEET.



ENLARGED GRADING DETAIL 1"=10' ____

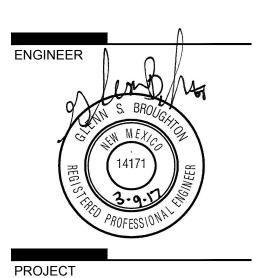
DEKKER
PERICH
SABATINI

ARCHITECTURE / DESIGN / INSPIRATION

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505.761.9700 / DPSDESIGN.ORG

ARCHITECT



OSPITAL RELOCATION SE 7106

PRESBYTERIAN
MAIN DRIVE ENTR

100%
CONSTRUCTION
DOCUMENTS
THE WORK INCLUDED HEREIN IS

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REVISIONS

ASI-1 VE MODIFICATIONS

ASI-1 VE MODIFICATIONS

DRAWN BY BO
REVIEWED BY GSB
DATE 10/24/2016

15-0125.001

DRAWING NAME

GRADING &

DRAINAGE PLAN

SHEET NO.

PROJECT NO.

P:\20160231\CDP\Plans\General\On-Site Plans\20160231gp01.dwg
Thu, 9-Mar-2017 - 4:19:pm, Plotted by: BORTEGA

FL87.43—

MATCHLINE - SEE SHEET C-103

__TS84.14

INV EX 96 SD=54.08

TC77.82 / TC77.59 FL77.15

SEE ENLARGED GRADING DETAIL THIS SHEET

Bohannan A Huston

www.bhinc.com

○ KEYED NOTES

- 1. RETAINING WALL, SEE STRUCTURAL PLANS FOR DETAILS.
- 2. INSTALL STORM DRAIN PIPE. SEE PLAN FOR SIZE & SLOPE.
- 3. CONSTRUCT 24" WIDE SIDEWALK CULVERT PER COA STD DWG 2236. 4. CONSTRUCT TYPE "A" SINGLE WING, DOUBLE GRATE STORM DRAIN INLET
- PER COA STD DWG 2201.
- 5. ROADWAY & SIDEWALK IMPROVEMENTS WITHIN SPRUCE STREET RIGHT OF WAY TO BE CONSTRUCTED UNDER DITY WORK ORDER, CITY PROJECT NUMBER 707583.
- 6. INSTALL 6" SDR-35 PVC SANITARY SEWER LINE.
- 7. INSTALL 1' WATER SERVICE LINE.
- 8. CONNECT TO EXISTING 96" STORM DRAIN PER DETAIL ON SHEET C-105. INSTALL 1 JOINT OF 18" RCP AT CONNECTION. INSTALL CONCRETE COLLAR AT CONNECTION OF 18" RCP & 18" HDPE PIPE.
- 9. NOT USED.
- 10. CONSTRUCT 24" WIDE CONCRETE RIBBON CHANNEL PER COA STD DWG 2236. OMIT CHECKERED STEEL PLATE.
- 11. CURB HEIGHT VARIES FROM 6" TO 9".

SHEET C-105.

- 12. CONSTRUCT TYPE "A" DOUBLE WING, DOUBLE GRATE STORM DRAIN INLET PER COA STD DWG 2201.
- 13. INSTALL 1" FROST FREE YARD HYDRANT W/AUTO DRIP BALL, ZURN MODEL 21396 OR APPROVED EQUAL.
- 14. INSTALL 6" SANITARY SEWER CLEAN OUT, SEE DETAIL ON SHEET C-104. 15. CONSTRUCT 12" WIDE CURB OPENING FOR DRAINAGE, SEE DETAIL ON
- 16. ADJUST EXISTING SANITARY SEWER MAN HOLE RIM & COVER TO FINISHED
- 17. INSTALL TYPE "D" DOUBLE GRATE STORM DRAIN INLET PER COA STD DWG 2206.
- 18. CONSTRUCT CONCRETE RUNDOWN PER DETAIL 1/C-102. 19. CONSTRUCT FLARED CONCRETE RUNDOWN OPENING PER DETAIL 2/C-102.
- 20. CONNECT TO EXISTING STORM DRAIN INLET. 21. CONSTRUCT TYPE "A" SINGLE GRATE STORM DRAIN INLET PER COA STD
- DWG 2201. 22. CONSTRUCT TYPE "C" SINGLE GRATE STORM DRAIN INLET PER COA STD
- 23. CONSTRUCT 24" WIDE CURB OPENING FOR DRAINAGE.
- 24. NOT USED.

6'-0"

- COMPACT SUBGRADE TO A MINIMUM

 CONCRETE RUNDOWN PER 1/C-102

OF 95% MAXIMUM DENSITY

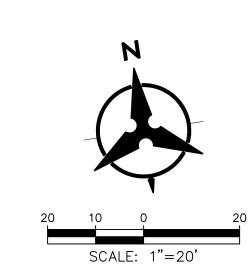
1 CONCRETE RUNDOWN
N.T.S.

2 FLARED RUNDOWN OPENING N.T.S.

DWG 2205.

- 25. CONSTRUCT TYPE "E" STORM DRAIN MANHOLE PER COA STD DETAIL
- 26. INSTALL 18F SNOUT AT 18" OUTLET PIPE.
- 27. CONSTRUCT 1' DEEP INLET SUMP. NO INLET SUMP DRAIN NEEDED AT
- 28. INSTALL INLET SUMP DRAIN PER DETAIL 4/C-105.
- 29. CONNECT TO EXISTING SANITARY SEWER SERVICE LINE.
- 30. CONNECT TO EXISTING WATER SERVICE LINE. CONTRACTOR TO VERIFY EXACT LOCATION.
- NOTE: NOT ALL KEYED NOTES MAY APPLY TO THIS SHEET.

	PROPERTY LINE
——————————————————————————————————————	EXISTING CONTOURS
X 5301.15	EXISTING GROUND SPOT ELEVATION
€ 65.23	PROPOSED SPOT ELEVATION TC=TOP OF CURB, FL=FLOW LINE TS=TOP OF SIDEWALK, TA=TOP OF ASPHALT EX=EXISTING, FG=FINISHED GRADE TG=TOP OF GRATE, INV=INVERT FGH=FINISHED GRADE HIGH FGL=FINISHED GRADE LOW
S=2.0%	PROPOSED DIRECTION OF FLOW
\\\\\	WATER BLOCK / RIDGE OR HIGH POINT
	PROPOSED RETAINING WALL
5305	PROPOSED INDEX CONTOURS
	PROPOSED INTER CONTOURS
	PROPOSED CURB & GUTTER
SD	PROPOSED STORM DRAIN LINE
•	PROPOSED STORM DRAIN MANHOLE
	PROPOSED STORM DRAIN INLET
	NEW LIGHT DUTY ASPHALT PAVEMENT SECTION SEE DETAIL 1/C100
+ + + + + + + + + + + + + + + + + + + +	NEW HEAVY DUTY ASPHALT PAVEMENT SECTION SEE DETAIL 2/C100



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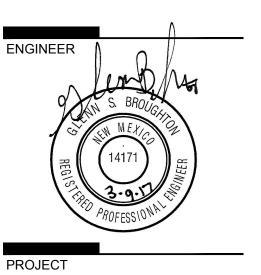
ARCHITECTURE / DESIGN / INSPIRATION

PERICH SABATINI

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ARCHITECT



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DOCUMENTS INCLUDING ALL ADDENDA PREVAILS. REVISIONS ASI-1 VE MODIFICATIONS

DRAWN BY REVIEWED BY DATE 10/24/2016 PROJECT NO. 15-0125.001 DRAWING NAME

GRADING & DRAINAGE PLAN

C-102

○ KEYED NOTES

- 1. RETAINING WALL, SEE STRUCTURAL PLANS FOR DETAILS.
- 2. INSTALL STORM DRAIN PIPE. SEE PLAN FOR SIZE & SLOPE.
- 3. CONSTRUCT 24" WIDE SIDEWALK CULVERT PER COA STD DWG 2236. 4. CONSTRUCT TYPE "A" SINGLE WING, DOUBLE GRATE STORM DRAIN INLET
- PER COA STD DWG 2201. 5. ROADWAY & SIDEWALK IMPROVEMENTS WITHIN SPRUCE STREET RIGHT OF
- WAY TO BE CONSTRUCTED UNDER DITY WORK ORDER, CITY PROJECT NUMBER 707583.
- 6. INSTALL 6" SDR-35 PVC SANITARY SEWER LINE.
- 7. INSTALL 1' WATER SERVICE LINE.
- 8. CONNECT TO EXISTING 96" STORM DRAIN PER DETAIL ON SHEET C-105. INSTALL 1 JOINT OF 18" RCP AT CONNECTION. INSTALL CONCRETE COLLAR AT CONNECTION OF 18" RCP & 18" HDPE PIPE.
- 9. NOT USED.
- 10. CONSTRUCT 24" WIDE CONCRETE RIBBON CHANNEL PER COA STD DWG 2236. OMIT CHECKERED STEEL PLATE.
- 11. CURB HEIGHT VARIES FROM 6" TO 9".
- 12. CONSTRUCT TYPE "A" DOUBLE WING, DOUBLE GRATE STORM DRAIN INLET PER COA STD DWG 2201.
- 13. INSTALL 1" FROST FREE YARD HYDRANT W/AUTO DRIP BALL, ZURN MODEL 21396 OR APPROVED EQUAL.
- 14. INSTALL 6" SANITARY SEWER CLEAN OUT, SEE DETAIL ON SHEET C-104. 15. CONSTRUCT 12" WIDE CURB OPENING FOR DRAINAGE, SEE DETAIL ON
- SHEET C-105. 16. ADJUST EXISTING SANITARY SEWER MAN HOLE RIM & COVER TO FINISHED
- 17. INSTALL TYPE "D" DOUBLE GRATE STORM DRAIN INLET PER COA STD DWG 2206.
- 18. CONSTRUCT CONCRETE RUNDOWN PER DETAIL 1/C-102. 19. CONSTRUCT FLARED CONCRETE RUNDOWN OPENING PER DETAIL 2/C-102.
- 21. CONSTRUCT TYPE "A" SINGLE GRATE STORM DRAIN INLET PER COA STD DWG 2201.
- 22. CONSTRUCT TYPE "C" SINGLE GRATE STORM DRAIN INLET PER COA STD DWG 2205.
- 23. CONSTRUCT 24" WIDE CURB OPENING FOR DRAINAGE. 24. NOT USED.

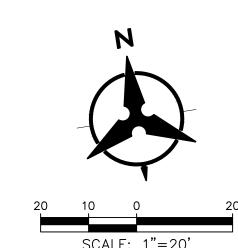
20. CONNECT TO EXISTING STORM DRAIN INLET.

- 25. CONSTRUCT TYPE "E" STORM DRAIN MANHOLE PER COA STD DETAIL
- 26. INSTALL 18F SNOUT AT 18" OUTLET PIPE.
- 27. CONSTRUCT 1' DEEP INLET SUMP. NO INLET SUMP DRAIN NEEDED AT
- 28. INSTALL INLET SUMP DRAIN PER DETAIL 4/C-105.
- 29. CONNECT TO EXISTING SANITARY SEWER SERVICE LINE.
- 30. CONNECT TO EXISTING WATER SERVICE LINE. CONTRACTOR TO VERIFY EXACT LOCATION.

NOTE: NOT ALL KEYED NOTES MAY APPLY TO THIS SHEET.

<u>LEGEND</u>

	PROPERTY LINE
	EXISTING CONTOURS
X 5301.15	EXISTING GROUND SPOT ELEVATION
€ 65.23	PROPOSED SPOT ELEVATION TC=TOP OF CURB, FL=FLOW LINE TS=TOP OF SIDEWALK, TA=TOP OF ASPHALT EX=EXISTING, FG=FINISHED GRADE TG=TOP OF GRATE, INV=INVERT FGH=FINISHED GRADE HIGH FGL=FINISHED GRADE LOW
<u>S=2.0%</u>	PROPOSED DIRECTION OF FLOW
^	WATER BLOCK / RIDGE OR HIGH POINT
	PROPOSED RETAINING WALL
5 <i>305</i>	PROPOSED INDEX CONTOURS
·	PROPOSED INTER CONTOURS
	PROPOSED CURB & GUTTER
SD	PROPOSED STORM DRAIN LINE
•	PROPOSED STORM DRAIN MANHOLE
	PROPOSED STORM DRAIN INLET
	NEW LIGHT DUTY ASPHALT PAVEMENT SECTION SEE DETAIL 1/C100



NEW HEAVY DUTY ASPHALT PAVEMENT SECTION SEE DETAIL 2/C100

Bohannan A Huston

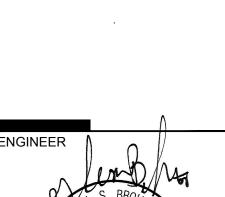
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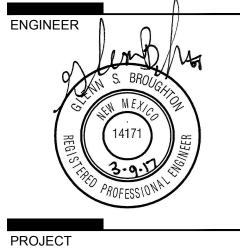
ARCHITECTURE / DESIGN / INSPIRATION

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ARCHITECT





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DOCUMENTS INCLUDING ALL ADDENDA PREVAILS. ASI-1 VE MODIFICATIONS

DRAWN BY REVIEWED BY DATE 10/24/2016 PROJECT NO. 15-0125.001

DRAWING NAME **GRADING &** DRAINAGE PLAN

C-103

○ KEYED NOTES

- 1. RETAINING WALL, SEE STRUCTURAL PLANS FOR DETAILS.
- 2. INSTALL STORM DRAIN PIPE. SEE PLAN FOR SIZE & SLOPE.
- 3. CONSTRUCT 24" WIDE SIDEWALK CULVERT PER COA STD DWG 2236.
- CONSTRUCT TYPE "A" SINGLE WING, DOUBLE GRATE STORM DRAIN INLET PER COA STD DWG 2201.
- 5. ROADWAY & SIDEWALK IMPROVEMENTS WITHIN SPRUCE STREET RIGHT OF WAY TO BE CONSTRUCTED UNDER DITY WORK ORDER, CITY PROJECT NUMBER 707583.
- 6. INSTALL 6" SDR-35 PVC SANITARY SEWER LINE.
- 7. INSTALL 1' WATER SERVICE LINE.
- 8. CONNECT TO EXISTING 96" STORM DRAIN PER DETAIL ON SHEET C-105. INSTALL 1 JOINT OF 18" RCP AT CONNECTION. INSTALL CONCRETE COLLAR AT CONNECTION OF 18" RCP & 18" HDPE PIPE.
- 9. NOT USED.
- 10. CONSTRUCT 24" WIDE CONCRETE RIBBON CHANNEL PER COA STD DWG 2236. OMIT CHECKERED STEEL PLATE.
- 11. CURB HEIGHT VARIES FROM 6" TO 9".
- 12. CONSTRUCT TYPE "A" DOUBLE WING, DOUBLE GRATE STORM DRAIN INLET PER COA STD DWG 2201.
- 13. INSTALL 1" FROST FREE YARD HYDRANT W/AUTO DRIP BALL, ZURN MODEL 21396 OR APPROVED EQUAL.
- 14. INSTALL 6" SANITARY SEWER CLEAN OUT, SEE DETAIL ON SHEET C-104. 15. CONSTRUCT 12" WIDE CURB OPENING FOR DRAINAGE, SEE DETAIL ON
- SHEET C-105. 16. ADJUST EXISTING SANITARY SEWER MAN HOLE RIM & COVER TO FINISHED
- 17. INSTALL TYPE "D" DOUBLE GRATE STORM DRAIN INLET PER COA STD
- DWG 2206. 18. CONSTRUCT CONCRETE RUNDOWN PER DETAIL 1/C-102.

19. CONSTRUCT FLARED CONCRETE RUNDOWN OPENING PER DETAIL 2/C-102.

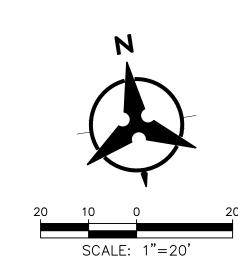
- 20. CONNECT TO EXISTING STORM DRAIN INLET. 21. CONSTRUCT TYPE "A" SINGLE GRATE STORM DRAIN INLET PER COA STD
- 22. CONSTRUCT TYPE "C" SINGLE GRATE STORM DRAIN INLET PER COA STD DWG 2205.
- 23. CONSTRUCT 24" WIDE CURB OPENING FOR DRAINAGE.
- 24. NOT USED.

DWG 2201.

- 25. CONSTRUCT TYPE "E" STORM DRAIN MANHOLE PER COA STD DETAIL
- 26. INSTALL 18F SNOUT AT 18" OUTLET PIPE.
- 27. CONSTRUCT 1' DEEP INLET SUMP. NO INLET SUMP DRAIN NEEDED AT THIS INLET.
- 28. INSTALL INLET SUMP DRAIN PER DETAIL 4/C-105.
- 29. CONNECT TO EXISTING SANITARY SEWER SERVICE LINE.
- 30. CONNECT TO EXISTING WATER SERVICE LINE. CONTRACTOR TO VERIFY EXACT LOCATION.
- NOTE: NOT ALL KEYED NOTES MAY APPLY TO THIS SHEET.

<u>LEGEND</u>

	PROPERTY LINE
	EXISTING CONTOURS
× 5301.15	EXISTING GROUND SPOT ELEVATION
€ 65.23	PROPOSED SPOT ELEVATION TC=TOP OF CURB, FL=FLOW LINE TS=TOP OF SIDEWALK, TA=TOP OF ASPH EX=EXISTING, FG=FINISHED GRADE TG=TOP OF GRATE, INV=INVERT FGH=FINISHED GRADE HIGH FGL=FINISHED GRADE LOW
S=2.0%	PROPOSED DIRECTION OF FLOW
//////	WATER BLOCK / RIDGE OR HIGH POINT
	PROPOSED RETAINING WALL
5305	PROPOSED INDEX CONTOURS
	PROPOSED INTER CONTOURS
	PROPOSED CURB & GUTTER
SD	PROPOSED STORM DRAIN LINE
•	PROPOSED STORM DRAIN MANHOLE
	PROPOSED STORM DRAIN INLET
	NEW LIGHT DUTY ASPHALT PAVEMENT SECT SEE DETAIL 1/C100
+ + + + + + + + + + + + + + + + + + + +	NEW HEAVY DUTY ASPHALT PAVEMENT SEC SEE DETAIL 2/C100



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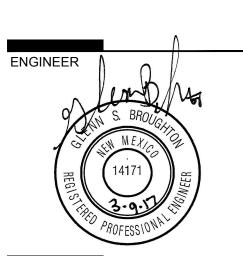
PERICH SABATINI

ARCHITECTURE / DESIGN / INSPIRATION

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ARCHITECT



PROJECT

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DOCUMENTS INCLUDING ALL ADDENDA PREVAILS. ASI-1 VE MODIFICATIONS

DRAWN BY REVIEWED BY DATE 10/24/2016 15-0125.001 PROJECT NO. DRAWING NAME

GRADING & DRAINAGE AND UTILITY PLAN

SHEET NO.

2" DEEP SAWCUT—

96" RCP MAIN LINE

FULL DEPTH → SAWCUT

2" DEEP SAWCUT—

6 HOOPS

1. CORE THROUGH 96" PIPE WITH 18" DIAMETER HOLE.

3. CHIP CONCRETE FROM 96" PIPE TO PRESERVE STEEL REINFORCING IN PIPE.

4. PLACE CONTINUOUS HYDROPHYLIC SEAL BETWEEN NEW CONCRETE AND 18" DIAMETER STORM DRAIN.

5. PLACE CONTINUOUS HYDROPHYLIC SEAL BETWEEN NEW CONCRETE AND EXISTING 96" STORM DRAIN.

CUTS ARE TO BE PERPENDICULAR TO PIPE WALL

2. SCORE WITH 2" DEEP SAW CUT (46" DIAMETER).

── #4 @ 12" O.C.

PRESERVE 90" RCP REIF.,TYPICAL

CIVIL DETAILS

100% CONSTRUCTION DOCUMENTS

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NOT NECESSARILY ALL
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ASI-1 VE MODIFICATIONS

ВО

10/24/2016

15-0125.001

REVISIONS

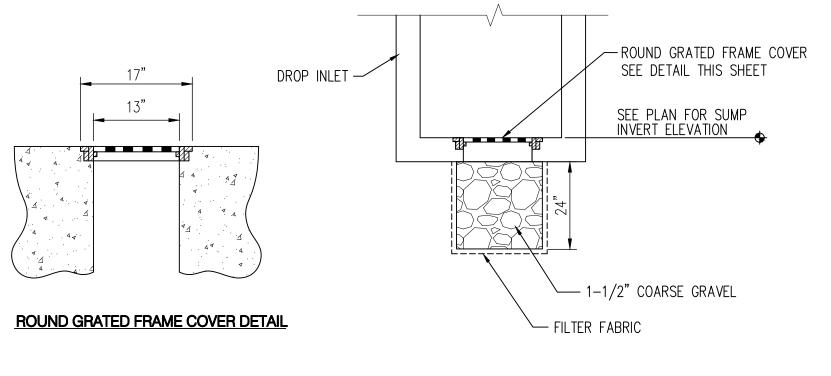
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DATE

REVIEWED BY

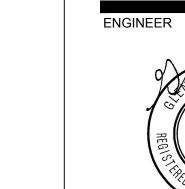
PROJECT NO.

DRAWING NAME



2 CURB CUT DETAIL

NTS



PROJECT

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