

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

January 31, 2020

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

**RE: Presbyterian Hospital SE Parking Garage
1300 Central SE
Grading and Drainage Plan Stamp Date: 1/28/20
Hydrology File: K15D005G**

Dear Mr. Broughton:

Based on the submittal received on 1/27/20, the Grading and Drainage Plan cannot be approved until the following corrections are made:

PO Box 1293

Prior to Building Permit and SO-19 Permit:

Albuquerque

NM 87103

1. Payment in Lieu (Amount = $3410\text{cf} \times \$8/\text{cf} = \$27,280$) of onsite management of the stormwater quality volume (SWQV) must be made. Take three copies of the treasury deposit slip to the Treasury and then include one copy of the paid deposit slip when resubmitting. There is no resubmittal fee for this action; please include a copy of this letter when resubmitting to receive the reduced fee.

Prior to Certificate of Occupancy (For Information):

www.cabq.gov

2. Engineer's Certification, per the DPM Chapter 22.7: *Engineer's Certification Checklist For Non-Subdivision* is required.
3. The sidewalk culverts must be inspected and approved by Storm Drain Maintenance (Augie Armijo at (505) 857-8607).
4. City acceptance and close-out of the public Work Order will be required, unless a financial guarantee has been posted.

If you have any questions, please contact me at 924-3695 or dpeterson@cabq.gov.

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

Sincerely,

A handwritten signature in dark ink, appearing to read 'D. Peterson', is written over a light gray rectangular background.

Dana M. Peterson
Senior Engineer, Planning Dept.
Development Review Services

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov



TREASURY DIVISION DAILY DEPOSIT

Transmittals for:
PROJECTS Only

Payment In-Lieu for Storm Water Quality Volume Requirement

CASH COUNT	AMOUNT	ACCOUNT NUMBER	FUND NUMBER	BUSINESS UNIT	PROJECT ID	ACTIVITY ID	AMOUNT
TOTAL CHECKS	\$ 27280.00	461615	305	PCDMD	24_MS4	7547210	\$ 27280.00
TOTAL AMOUNT						TOTAL DEPOSIT	\$27,280.00

Hydrology#: K15D005G Name: Presbyterian Hospital SE Parking Garage, 157385
Payment In-Lieu For Storm Water Quality
Volume Requirement
sf imp.

Address/Legal Description: 1300 Central SE
Tract 4-A-1, Presbyterian Hospital Main Campus

DEPARTMENT NAME: Planning Department/Development Review Services, Hydrology

PREPARED BY Dana Peterson PHONE 924-3695

BUSINESS DATE 1/31/20

DUAL VERIFICATION OF DEPOSIT

EMPLOYEE SIGNATURE

AND BY

EMPLOYEE SIGNATURE

REMITTER: _____

AMOUNT: _____

BANK: _____

CHECK #: _____ DATE ON CHECK: _____

The Payment-in-Lieu can be paid at the Plaza del Sol Treasury, 600 2nd St. NW. **Bring three copies of this invoice to the Treasury** and provide a copy of the receipt to Hydrology, Suite 201, 600 2nd St. NW, or e-mail with the Hydrology submittal to PLNDRS@cabq.gov.



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: _____ Building Permit #: _____ Hydrology File #: _____

DRB#: _____ EPC#: _____ Work Order#: _____

Legal Description: _____

City Address: _____

Applicant: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Other Contact: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

TYPE OF DEVELOPMENT: _____ PLAT _____ RESIDENCE _____ DRB SITE _____ ADMIN SITE

Check all that Apply:

DEPARTMENT:

_____ HYDROLOGY/ DRAINAGE
_____ TRAFFIC/ TRANSPORTATION

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

_____ BUILDING PERMIT APPROVAL
_____ CERTIFICATE OF OCCUPANCY

TYPE OF SUBMITTAL:

_____ ENGINEER/ARCHITECT CERTIFICATION
_____ PAD CERTIFICATION
_____ CONCEPTUAL G & D PLAN
_____ GRADING PLAN
_____ DRAINAGE REPORT
_____ DRAINAGE MASTER PLAN
_____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
_____ ELEVATION CERTIFICATE
_____ CLOMR/LOMR
_____ TRAFFIC CIRCULATION LAYOUT (TCL)
_____ TRAFFIC IMPACT STUDY (TIS)
_____ STREET LIGHT LAYOUT
_____ OTHER (SPECIFY) _____
_____ PRE-DESIGN MEETING?

_____ PRELIMINARY PLAT APPROVAL
_____ SITE PLAN FOR SUB'D APPROVAL
_____ SITE PLAN FOR BLDG. PERMIT APPROVAL
_____ FINAL PLAT APPROVAL

_____ SIA/ RELEASE OF FINANCIAL GUARANTEE
_____ FOUNDATION PERMIT APPROVAL
_____ GRADING PERMIT APPROVAL
_____ SO-19 APPROVAL
_____ PAVING PERMIT APPROVAL
_____ GRADING/ PAD CERTIFICATION
_____ WORK ORDER APPROVAL
_____ CLOMR/LOMR
_____ FLOODPLAIN DEVELOPMENT PERMIT
_____ OTHER (SPECIFY) _____

IS THIS A RESUBMITTAL?: _____ Yes _____ No

DATE SUBMITTED: _____ By: _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

Basin ID	Area	Area	Land Treatment Percentages				Q(100yr)	Q(100yr)	V(100yr)	V _(100yr-6hr)	V _(100yr-24hr)
	(SQ. FT)	(AC.)	A	B	C	D	(cfs/ac.)	(CFS)	(inches)	(CF)	(CF)
EXB1	71334	1.64	0.0%	0.0%	13.0%	87.0%	4.5	7.4	1.99	11837	13906
EXB2	76995	1.77	0.0%	0.0%	7.0%	93.0%	4.6	8.1	2.05	13158	15545
EXB3	36689	0.84	0.0%	0.0%	45.0%	55.0%	4.0	3.4	1.67	5120	5792
EXB4	15785	0.36	0.0%	0.0%	15.0%	85.0%	4.5	1.6	1.97	2593	3041

LEGEND

■■■■■■■■■■ DRAINAGE BASIN BOUNDARY

BACKGROUND:

PRESBYTERIAN HOSPITAL IS PLANNING CONSTRUCT A NEW PARKING STRUCTURE AT THE DOWNTOWN CAMPUS. THE NEW PARKING STRUCTURE IS PROPOSED IN THE NORTH EAST PORTION OF THE SITE AND IS BOUNDED BY SPRUCE, SYCAMORE, SILVER AND CENTRAL.

METHODOLOGY:

THE SITE IS LOCATED IN THE CITY OF ALBUQUERQUE AND SECTION 22.2 OF THE DEVELOPMENT PROCESS MANUAL (DPM) WAS USED TO ANALYZE THE EXISTING AND PROPOSED DRAINAGE. THE PROJECT IS LOCATED BETWEEN THE RIO GRANDE AND SAN MATEO AND IS WITHIN PRECIPITATION ZONE 2.

EXISTING CONDITIONS:

THE SITE IS FULLY DEVELOPED WITH ASPHALT PAVING AND MINIMAL LANDSCAPING. THE PARKING GARAGE SITE IS BROKEN INTO FOUR BASINS. THE SOUTHERN BASIN (BASIN EXB1) FREE DISCHARGES INTO SPRUCE AND DRAINS INTO THE GOLD AVE. ALIGNMENT. THE NORTHERN TWO BASINS (BASINS EXB2 & EXB3) DRAIN NORTH TO AN EXISTING PRIVATE INLET IN THE NORTHWEST CORNER OF BASIN EXB3.

THIS INLET CONNECTS TO AN EXISTING PUBLIC STORM DRAIN INLET AT THE INTERSECTION OF SPRUCE AND CENTRAL.

THE MOST SOUTHERN BASIN LOCATED SOUTH OF SILVER (BASIN EXB4) WILL BE RECONFIGURED TO ALLOW RV PARKING FREE DISCHARGES INTO SPRUCE ST.

THE SITE IS NOT LOCATED WITHIN A DESIGNATED FEMA FLOOD ZONE (FEMA FIRM # 35001C0334G).

PROPOSED CONDITIONS:

THE SCOPE OF THE PARKING STRUCTURE IS TO CONSTRUCT A 3-LEVEL PARKING STRUCTURE IN PLACE OF THE EXISTING PAVED PARKING LOT. RUNOFF FROM THE UPPER DECK WILL BE DIRECTED TO DRAINS AND PIPED TO THE PUBLIC RIGHT OF WAY. THE DRAIN FOR THE SOUTHERN PORTION OF THE GARAGE WILL DISCHARGE AT GRADE INTO SPRUCE. THIS RUNOFF WILL CROSS SPRUCE AND DRAIN INTO THE ALIGNMENT OF GOLD AS IT CURRENTLY DOES. DRAINAGE FOR THE NORTHERN PORTION WILL PIPED AND CONNECT TO THE PRIVATE STORM DRAIN INLET AT THE NORTHWEST CORNER OF THE SITE. RUNOFF FROM THIS AREA CURRENTLY DRAINS ON THE SURFACE AND IS INTERCEPTED BY THE INLET. SURFACE RUNOFF THAT DRAINS TO THIS INLET WILL BE SIGNIFICANTLY REDUCED WITH THE PROPOSED PARKING STRUCTURE, BUT THE TOTAL PEAK FLOW RATE TO THE PUBLIC STORM DRAIN AT THE SOUTHEAST CORNER OF SPRUCE AND CENTRAL IS ESSENTIALLY EQUAL TO THE CURRENT CONDITION. THE RV PARKING AREA LOCATED ON THE SOUTH SIDE OF SILVER WILL BE RECONFIGURED BUT IT WILL STILL MAINTAIN THE EXISTING DRAINAGE PATTERNS.

REFER TO THE DRAINAGE MANAGEMENT PLAN FOR DELINEATION OF THE DRAINAGE BASINS, LAND TREATMENTS AND RUNOFF PEAK FLOW RATES.

STORM WATER POLLUTION CONTROL - WATER QUALITY RUNOFF VOLUME:

NO RETENTION VOLUME WILL BE PROVIDED WITH THESE SITE MODIFICATIONS. RETENTION COULD BE PROVIDED ONSITE BUT THE SITE IS EXTREMELY CONGESTED WITH LITTLE AVAILABLE SPACE TO PROVIDE ONSITE STORM WATER RETENTION. FOR THESE REASONS THE OWNER IS ELECTING TO MAKE PAYMENT IN LIEU OF ONSITE MANAGEMENT. THE WATER QUALITY VOLUME AND FEES WILL BE BASED ON THE CALCULATED STORM WATER RETENTION REQUIRED FOR THE REDEVELOPMENT OF THIS PORTION OF THE HOSPITAL CAMPUS.

CONCLUSION:

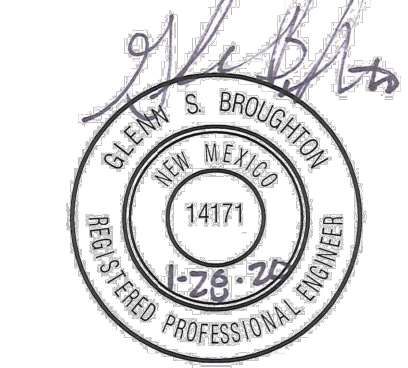
THE AREA THAT IS PROPOSED FOR REDEVELOPMENT CURRENTLY DISCHARGES TO THE PUBLIC RIGHT OF WAY OR PUBLIC STORM DRAIN. WITH THE REDEVELOPMENT OF THIS SITE THE EXISTING DRAINAGE PATTERNS AND PEAK DISCHARGE FLOW RATES WILL NOT SIGNIFICANTLY CHANGE. PROVIDING ONSITE RETENTION VOLUME TO COMPLY WITH SECTION 22.9 OF THE DPM IS NOT TECHNICALLY FEASIBLE. THE OWNER WILL PAY CASH IN LIEU BASED ON THE CALCULATED RETENTION VOLUME OF 3,388 CUBIC FEET. THIS DRAINAGE MANAGEMENT PLAN IS BEING SUBMITTED IN SUPPORT OF HYDROLOGY APPROVAL FOR BUILDING PERMIT.

DEKKER
PERICH
SABATINI

7601 JEFFERSON NE, SUITE 100
ALBUQUERQUE, NM 87109

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SEAL

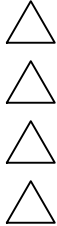


PROJECT

PRESBYTERIAN HOSPITAL SE
PARKING GARAGE
1300 CENTRAL AVENUE SE
ALBUQUERQUE, NM 87106

BID/PERMIT
DOCUMENTS

REVISIONS

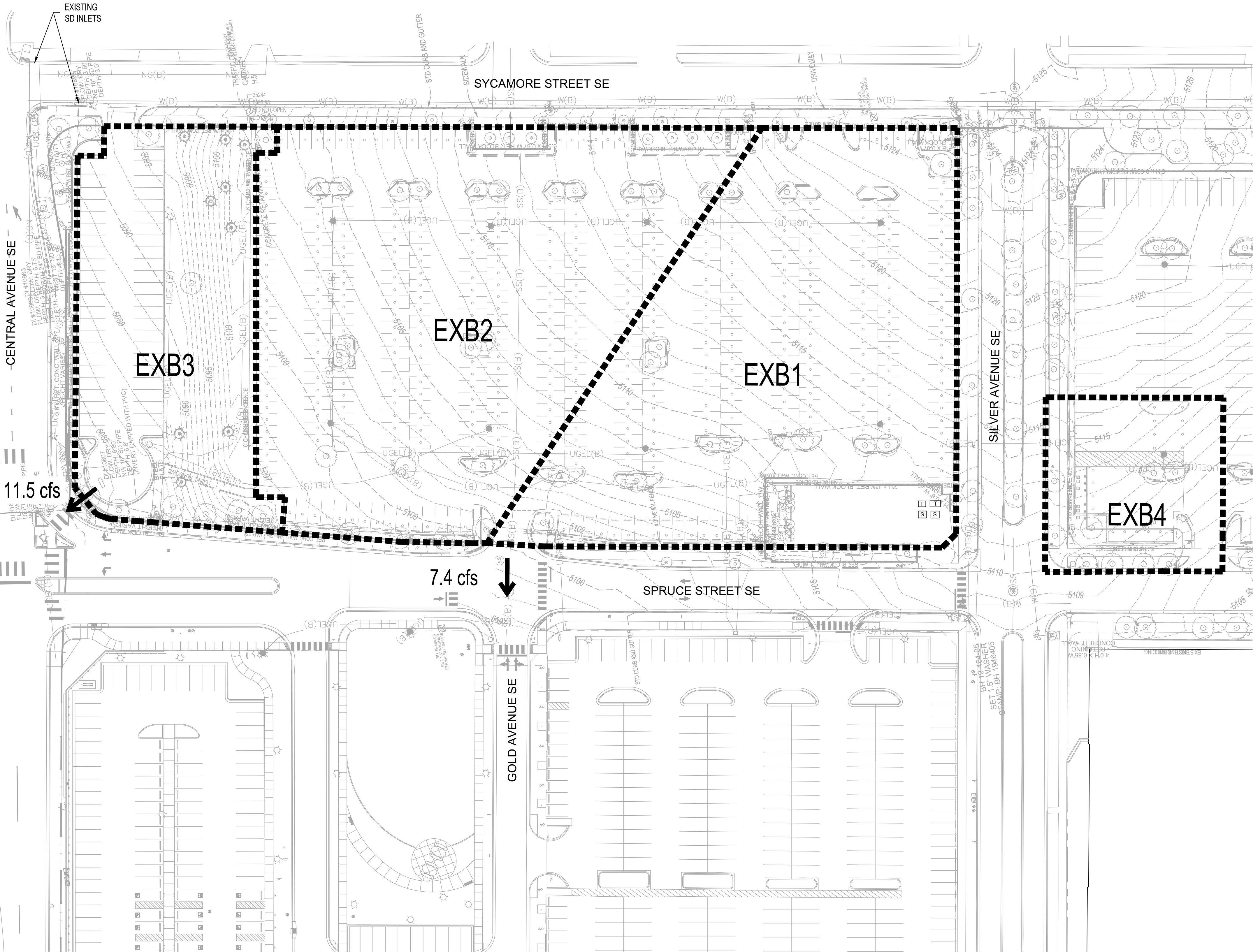


DRAWN BY	BO
REVIEWED BY	GSB
DATE	1/17/2020
PROJECT NO.	19-0010.001
DRAWING NAME	

EXISTING
DRAINAGE
MANAGEMENT PLAN

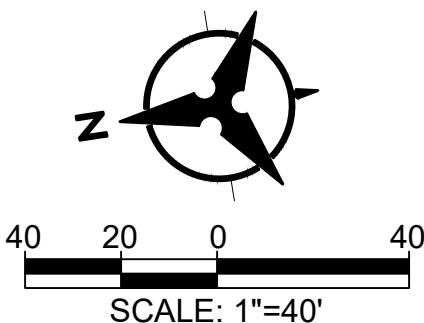
SHEET NO.

OF



A2 EXISTING DRAINAGE MANAGEMENT PLAN

1" = 70'-0"



SCALE: 1"=40'

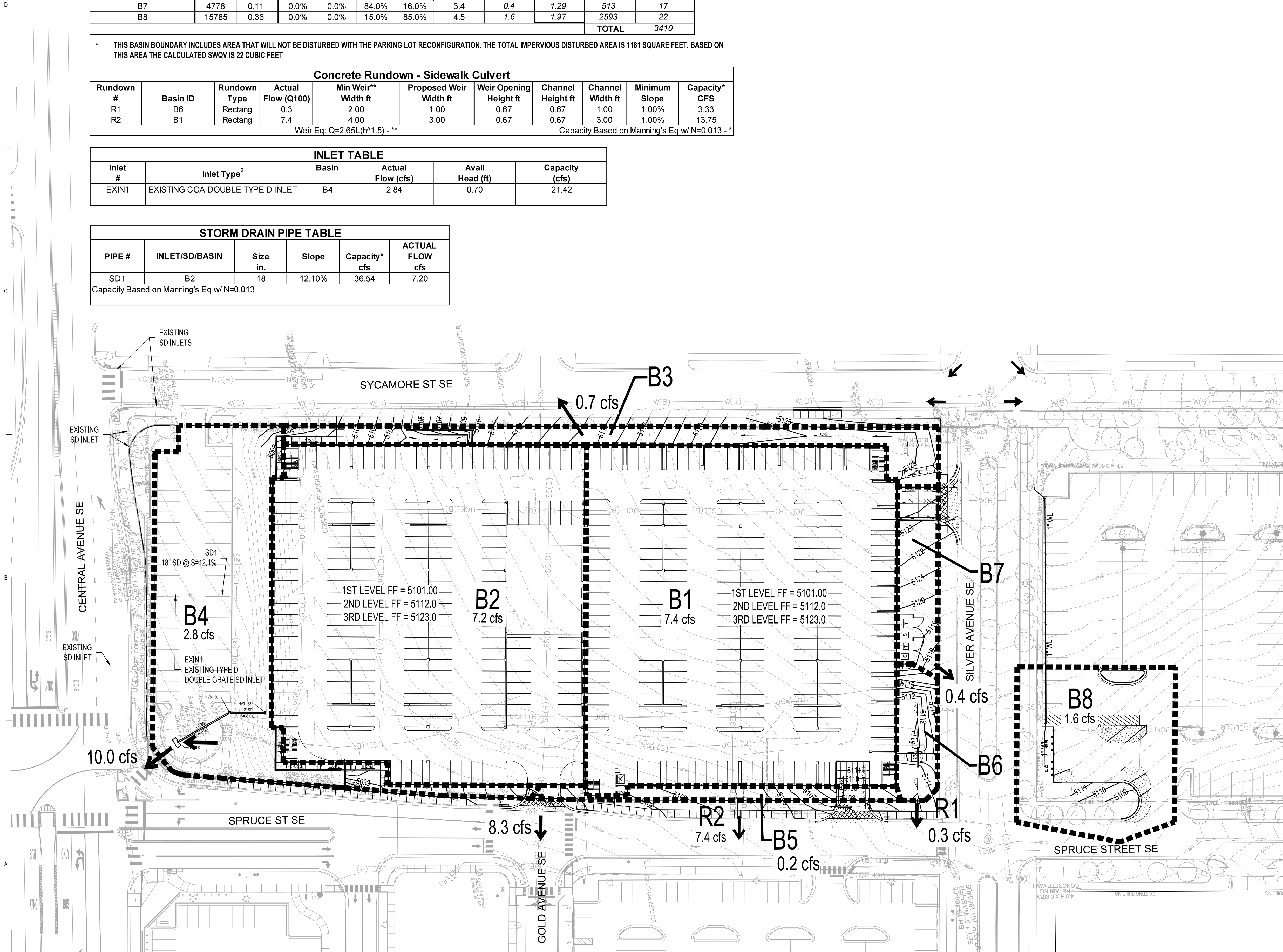
PHS Hospital Expansion: Parking Structure Building Permit Submittal											
Proposed Developed Conditions Basin Data Table											
This table is based on the DPM Section 22.2, Zone: 2											
Basin ID	Area (SQ. FT)	Area (AC.)	Land Treatment Percentages				Q(100yr) (cfs/ac.)	Q(100yr) (CFS)	V(100yr) (inches)	V _(100yr-6hr) (CF)	SWQV (CF)
CURRENT ONSITE BASINS			A	B	C	D					
B1	68311	1.57	0.0%	0.0%	0.0%	100.0%	4.7	7.4	2.12	12068	1480
B2	66758	1.53	0.0%	0.0%	0.0%	100.0%	4.7	7.2	2.12	11794	1446
B3	9141	0.21	0.0%	0.0%	98.0%	2.0%	3.2	0.7	1.15	876	4
B4	29638	0.68	0.0%	0.0%	34.0%	66.0%	4.2	2.8	1.78	4405	424
B5	3026	0.07	0.0%	0.0%	81.0%	19.0%	3.4	0.2	1.32	332	12
B6	3408	0.08	0.0%	0.0%	93.0%	7.0%	3.2	0.3	1.20	341	5
B7	4778	0.11	0.0%	0.0%	84.0%	16.0%	3.4	0.4	1.29	513	17
B8	15785	0.36	0.0%	0.0%	15.0%	85.0%	4.5	1.6	1.97	2593	22
TOTAL											3410

* THIS BASIN BOUNDARY INCLUDES AREA THAT WILL NOT BE DISTURBED WITH THE PARKING LOT RECONFIGURATION. THE TOTAL IMPERVIOUS DISTURBED AREA IS 1181 SQUARE FEET. BASED ON THIS AREA THE CALCULATED SWQV IS 22 CUBIC FEET

Concrete Rundown - Sidewalk Culvert										
Rundown #	Basin ID	Rundown Type	Actual Flow (Q100)	Min Weir** Width ft	Proposed Weir Width ft	Weir Opening Height ft	Channel Height ft	Channel Width ft	Minimum Slope	Capacity* CFS
R1	B6	Rectang	0.3	2.00	1.00	0.67	0.67	1.00	1.00%	3.33
R2	B1	Rectang	7.4	4.00	3.00	0.67	0.67	3.00	1.00%	13.75
Weir Eq: $Q=2.65L(H^{1.5})$ - ** Capacity Based on Manning's Eq w/ N=0.013										

INLET TABLE					
Inlet #	Inlet Type ²	Basin	Actual Flow (cfs)	Avail Head (ft)	Capacity (cfs)
EXIN1	EXISTING COA DOUBLE TYPE D INLET	B4	2.84	0.70	21.42

STORM DRAIN PIPE TABLE					
PIPE #	INLET/SD/BASIN	Size in.	Slope	Capacity* cfs	ACTUAL FLOW cfs
SD1	B2	18	12.10%	36.54	7.20
Capacity Based on Manning's Eq w/ N=0.013					



LEGEND

■■■■■■■■ DRAINAGE BASIN BOUNDARY

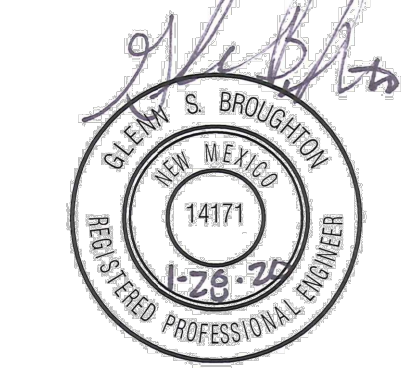
ARCHITECTURE / DESIGN / INSPIRATION

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SABATINI

7601 JEFFERSON NE, SUITE 100
ALBUQUERQUE, NM 87109

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SEAL

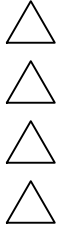


PROJECT

PRESBYTERIAN HOSPITAL SE
PARKING GARAGE
1300 CENTRAL AVENUE SE
ALBUQUERQUE, NM 87106

BID/PERMIT
DOCUMENTS

REVISIONS



DRAWN BY	BO
REVIEWED BY	GSB
DATE	1/17/2020
PROJECT NO.	19-0010.001
DRAWING NAME	

PROPOSED
DRAINAGE
MANAGEMENT PLAN

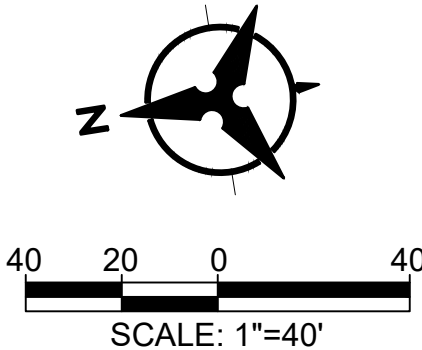
SHEET NO.

OF

A2

PROPOSED DRAINAGE MANAGEMENT PLAN

1" = 40'-0"



PROJECT BENCH MARK

ALBUQUERQUE GEODETIC REFERENCE STATION "5_K15BR RESET 1982"
GEOGRAPHIC POSITION (NAD 1983)
NM STATE PLANE COORDINATES
(CENTRAL ZONE, US SURVEY FOOT)
N= 1485713.773 USft E= 1523768.861 USft
GROUND-TO-GRID FACTOR = 0.999679809
DELTA ALPHA = -00°13'28.78"
NAVD 1988 ELEVATION= 5010.623 USft

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.).
10. ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S 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.
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.
14. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONFORM WITH EPA REQUIREMENTS, INCLUDING COMPLIANCE WITH NPDES PHASE 2 REQUIREMENTS.

GRADING NOTES

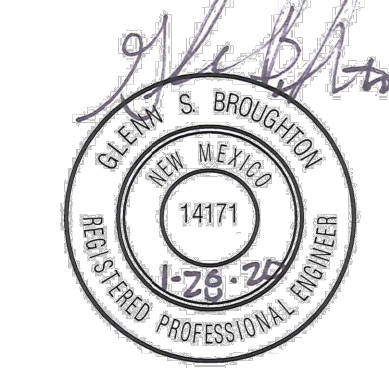
1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.
2. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST.
3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, 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 BEGINNING CONSTRUCTION.

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SEAL



PROJECT

PRESBYTERIAN HOSPITAL SE
PARKING GARAGE
1300 CENTRAL AVENUE SE
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BID/PERMIT
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REVISIONS

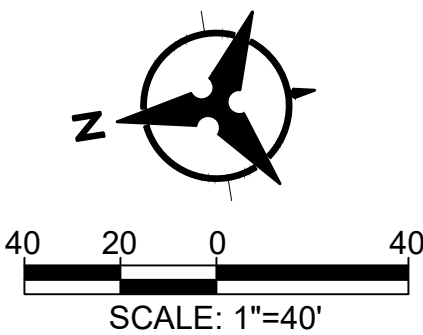
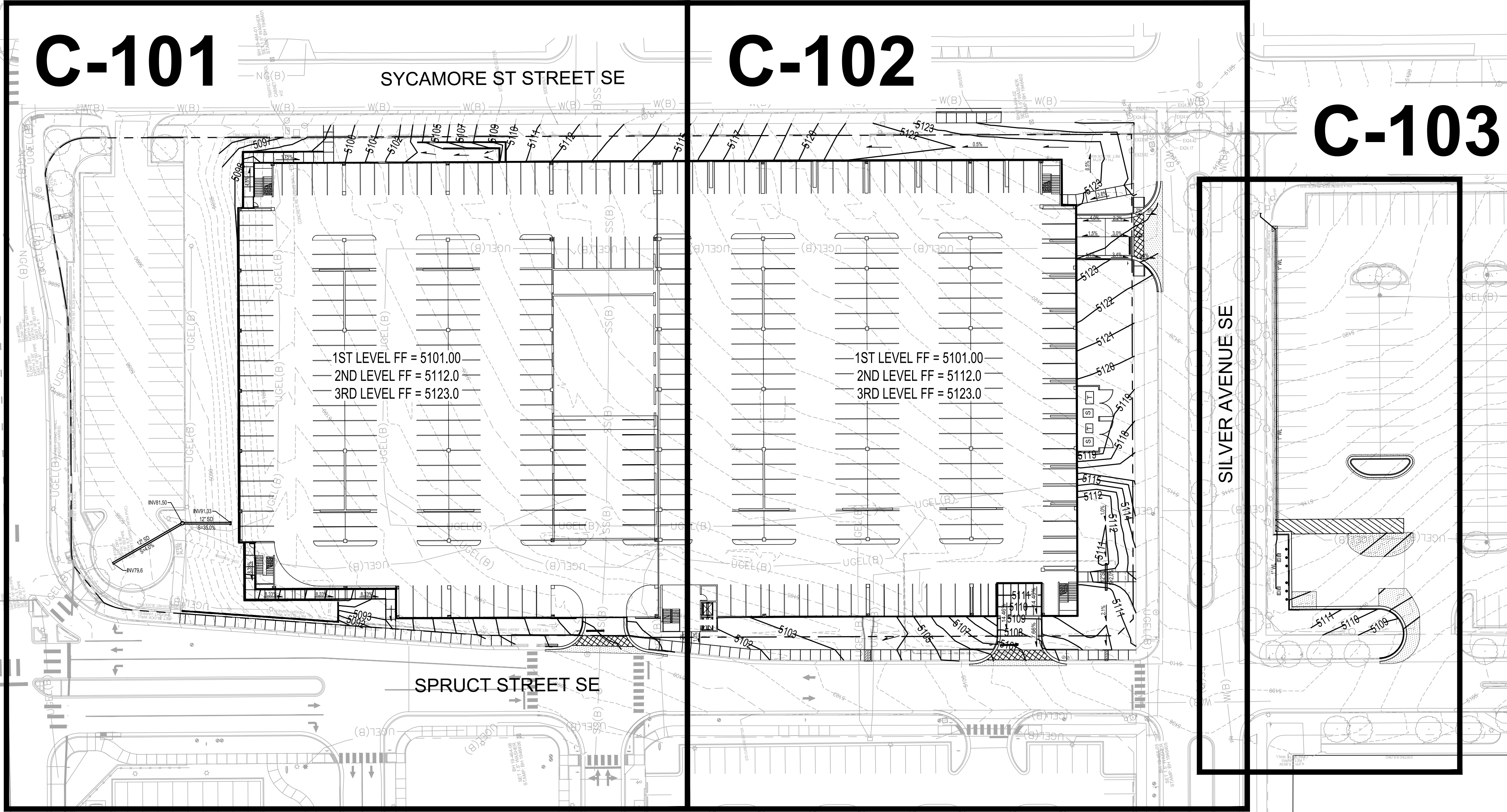


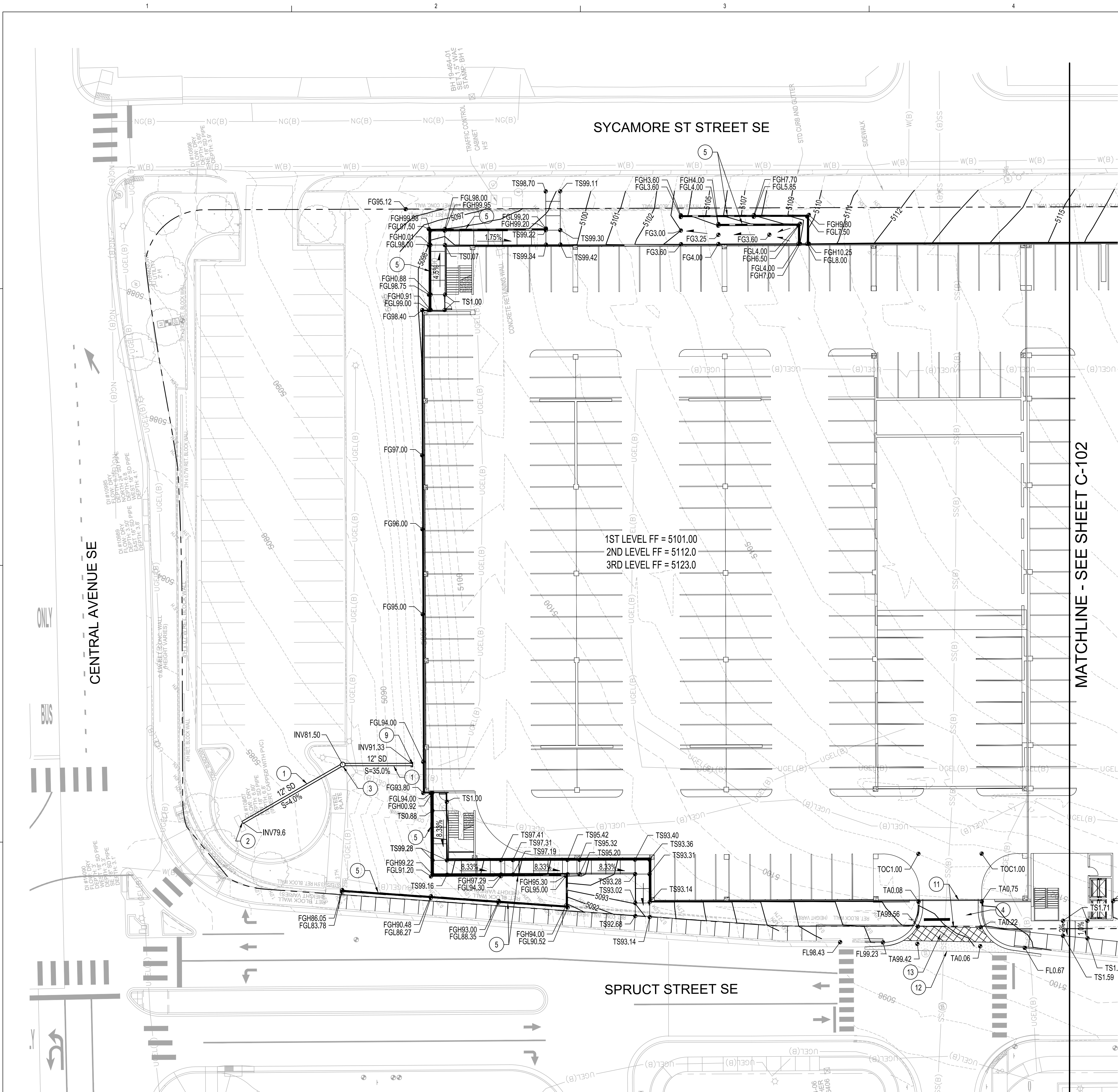
DRAWN BY	BO
REVIEWED BY	GSB
DATE	1/17/2020
PROJECT NO.	19-0010.001
DRAWING NAME	

OVERALL
GRADING &
DRAINAGE PLAN

SHEET NO.

C-100
OF





Tue, 28-Jan-2020 - 10:24 am, Plotted by: BFENTON
P:\20190464\CDP\Plans\General\Parking Garage\20190464 GP01 - Parking Garage.dwg

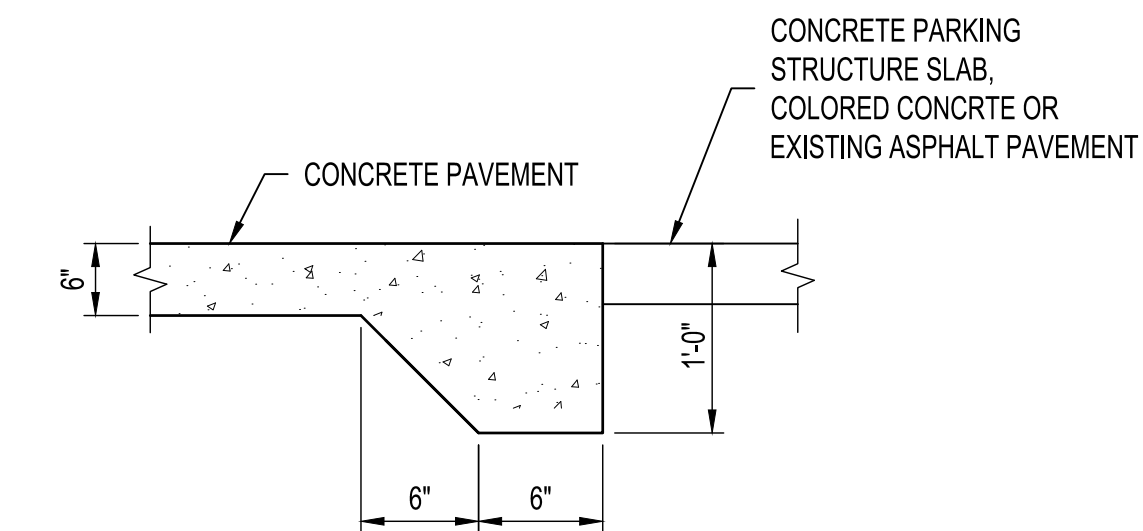
KEYED NOTES

1. INSTALL STORM DRAIN PIPE. SEE PLAN FOR SIZE & SLOPE.
2. CORE DRILL AND CONNECT TO EXISTING PRIVATE STORM DRAIN INLET. GROUT ANNULAR SPACE.
3. INSTALL 24" NYLOPLAST DRAIN BASIN WITH SOLID COVER.
4. INSTALL CONCRETE PAVEMENT SECTION PER 2/C-102.
5. PROPOSED RETAINING WALL. SEE ARCHITECTURAL / STRUCTURAL PLANS FOR DETAILS.
6. CONSTRUCT CONCRETE RIBBON CHANNEL. SEE DETAIL THIS SHEET.
7. CONSTRUCT 12" WIDE SIDEWALK CULVERT PER COA STD DWG 2236.
8. CONSTRUCT 2 - 18" WIDE SIDEWALK CULVERTS PER COA STD DWG 2236.
9. EXTEND STORM DRAIN TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
10. INSTALL CONCRETE CONTROL JOINTS.
11. CONSTRUCT THICKENED EDGE ADJACENT TO PARKING STRUCTURE AND CONCRETE CROSSWALK STREET PER 1/C-101.
12. INSTALL ASPHALT PAVEMENT PER 1/C-103.
13. MAINTAIN 2% MAXIMUM CROSS SLOPE AT ACCESSIBLE COSSWALK.

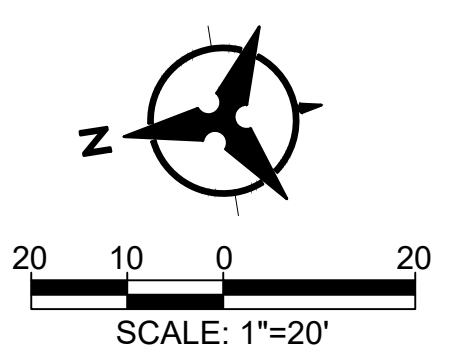
NOTE: NOT ALL KEYED NOTES MAY APPLY TO THIS SHEET.

GRADING LEGEND

- DIRECTION OF FLOW
- PROPOSED SPOT ELEVATION
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR



1 THICKENED EDGE
NTS



Bohannon & Huston
www.bhinc.com 800.877.5332

ARCHITECTURE / DESIGN / INSPIRATION

DEKKER
PERICH
SABATINI

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

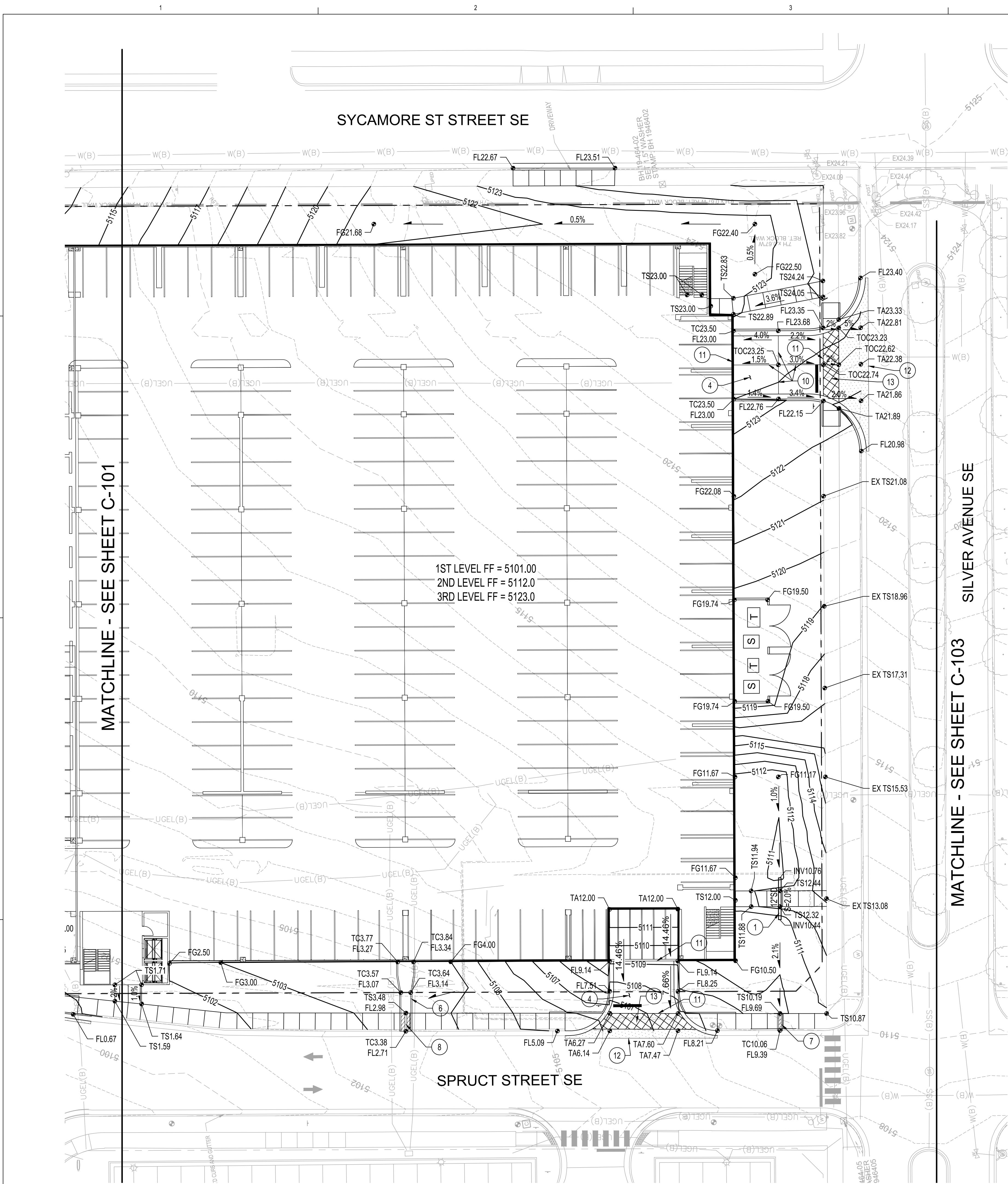
SEAL

PROJECT

PRESBYTERIAN HOSPITAL SE
PARKING GARAGE
1300 CENTRAL AVENUE SE
ALBUQUERQUE, NM 87106

BID/PERMIT
DOCUMENTS

REVISIONS	
△	
△	
△	
△	
DRAWN BY BO	
REVIEWED BY GSB	
DATE 1/17/2020	
PROJECT NO. 19-0010.001	
DRAWING NAME	
GRADING & DRAINAGE PLAN	
SHEET NO.	
C-101	
OF	



Tue, 28-Jan-2020 - 10:25:am, Plotted by: BFENTON
P:\20190464\CDP\Plans\General\Parking Garage\20190464 GP02 - Parking Garage.dwg

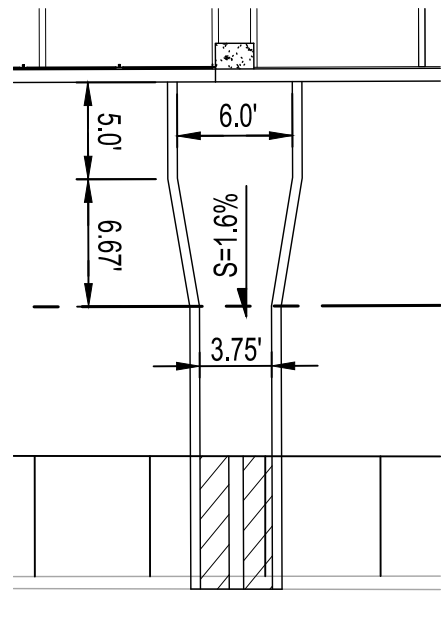
KEYED NOTES

1. INSTALL STORM DRAIN PIPE. SEE PLAN FOR SIZE & SLOPE.
2. CORE DRILL AND CONNECT TO EXISTING PRIVATE STORM DRAIN INLET. GROUT ANNULAR SPACE.
3. INSTALL 24" NYLOPLAST DRAIN BASIN WITH SOLID COVER.
4. INSTALL CONCRETE PAVEMENT SECTION PER 2/C-102.
5. PROPOSED RETAINING WALL. SEE ARCHITECTURAL / STRUCTURAL PLANS FOR DETAILS.
6. CONSTRUCT CONCRETE RIBBON CHANNEL. SEE DETAIL THIS SHEET.
7. CONSTRUCT 12" WIDE SIDEWALK CULVERT PER COA STD DWG 2236.
8. CONSTRUCT 2 - 18" WIDE SIDEWALK CULVERTS PER COA STD DWG 2236.
9. EXTEND STORM DRAIN TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
10. INSTALL CONCRETE CONTROL JOINTS.
11. CONSTRUCT THICKENED EDGE ADJACENT TO PARKING STRUCTURE AND CONCRETE CROSSWALK STREET PER 1/C-101.
12. INSTALL ASPHALT PAVEMENT PER 1/C-103.
13. MAINTAIN 2% MAXIMUM CROSS SLOPE AT ACCESSIBLE COSSWALK.

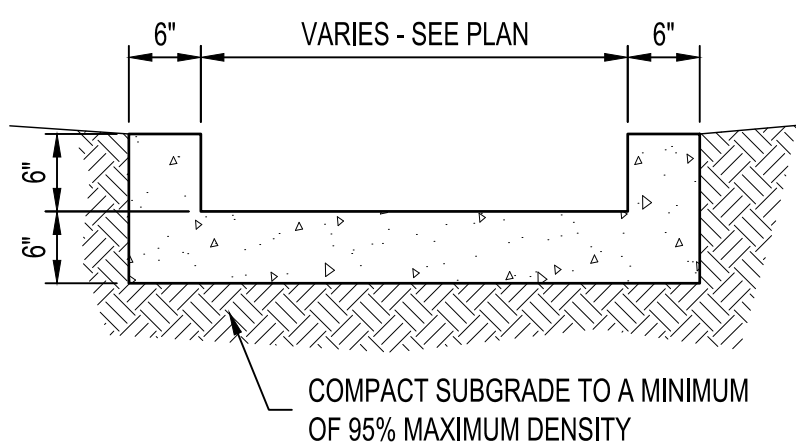
NOTE: NOT ALL KEYED NOTES MAY APPLY TO THIS SHEET.

GRADING LEGEND

- DIRECTION OF FLOW
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- PROPOSED INTERMEDIATE CONTOUR



PLAN



SECTION

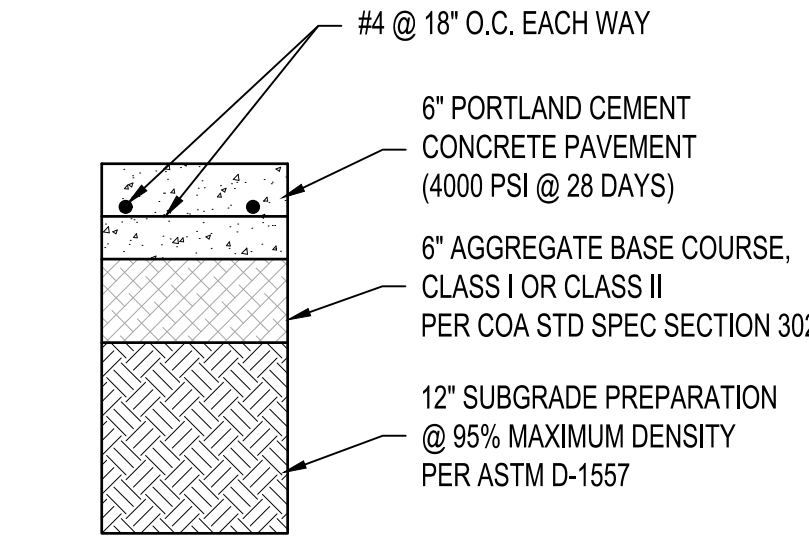
1 CONCRETE RIBBON CHANNEL

NTS

PRIVATE DRAINAGE FACILITIES
WITHIN CITY RIGHT-OF-WAY
NOTICE TO CONTOACTOR
(SPECIAL ORDER 19 ~ "SO-19")

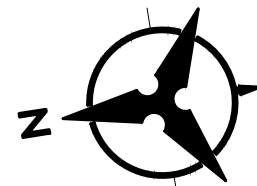
1. AN EXCAVATION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
2. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL, DIAL "811" [OR (505) 260-1990] FOR THE LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
6. MAINTENANCE OF THE FACILITY SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY BEING SERVED.
7. WORK ON ARTERIAL STREETS MAY BE REQUIRED ON A 24-HOUR BASIS.
8. CONTRACTOR MUST CONTACT AUGIE ARMJO AT (505) 857-8607 AND CONSTRUCTION COORDINATION AT (505) 924-3416 TO SCHEDULE AN INSPECTION.

APPROVAL	NAME	DATE
INSPECTOR		



2 CONCRETE PAVEMENT
@ GARAGE ENTRANCES

NTS



20 10 0 20
SCALE: 1"=20'

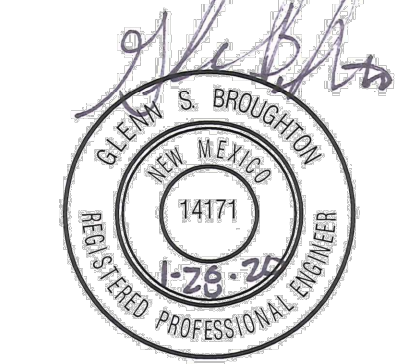
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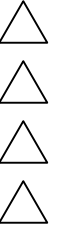


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GRADING &
DRAINAGE PLAN

SHEET NO.

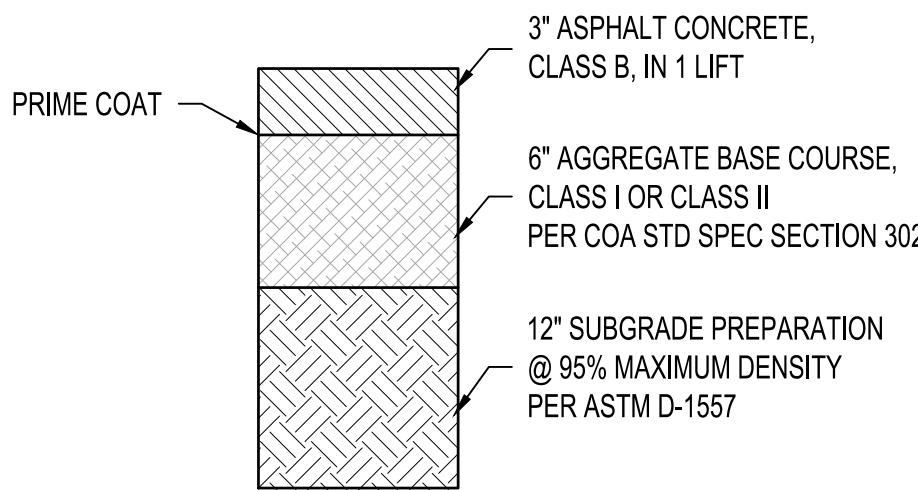
C-102
OF

KEYED NOTES

- MATCH EXISTING CURB AND GUTTER HORIZONTALLY AND VERTICALLY.
- INSTALL NEW ASPHALT PAVEMENT PER DETAIL THIS SHEET.
- INSTALL 1" FROST FREE YARD HYDRANT WITH AUTO DRIP BALL, ZURN MODEL 21396 OR APPROVED EQUAL.
- INSTALL 1" WATER SERVICE LINE.
- CONNECT TO EXISTING WATER SERVICE LINE BETWEEN EXISTING WATER METER & EXISTING BACKFLOW PREVENTOR.
- REMOVE & REPLACE EXISTING CONCRETE CURB & GUTTER AS NEEDED FOR UTILITY TRENCH.
- REMOVE & REPLACE EXISTING CHAIN LINK FENCE AS NEEDED FOR UTILITY TRENCH.
- SAW-CUT, REMOVE & REPLACE EXISTING ASPHALT PAVEMENT FOR UTILITY TRENCH. EXISTING CONCRETE CURB & GUTTER TO REMAIN.

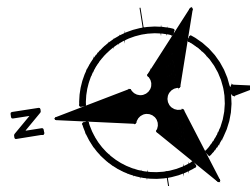
GRADING LEGEND

- | | |
|--|-------------------------------|
| | DIRECTION OF FLOW |
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1 ASPHALT PAVEMENT SECTION

NTS



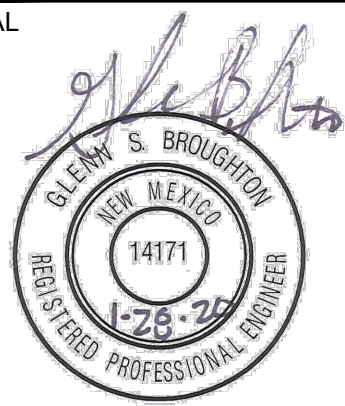
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SCALE: 1"=20'

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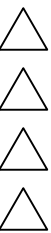


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OF