SUNBELT BUILDERS

10641 HIGHWAY 36, COVINGTON, GEORGIA 30014

AUGUSTA UNIVERSITY

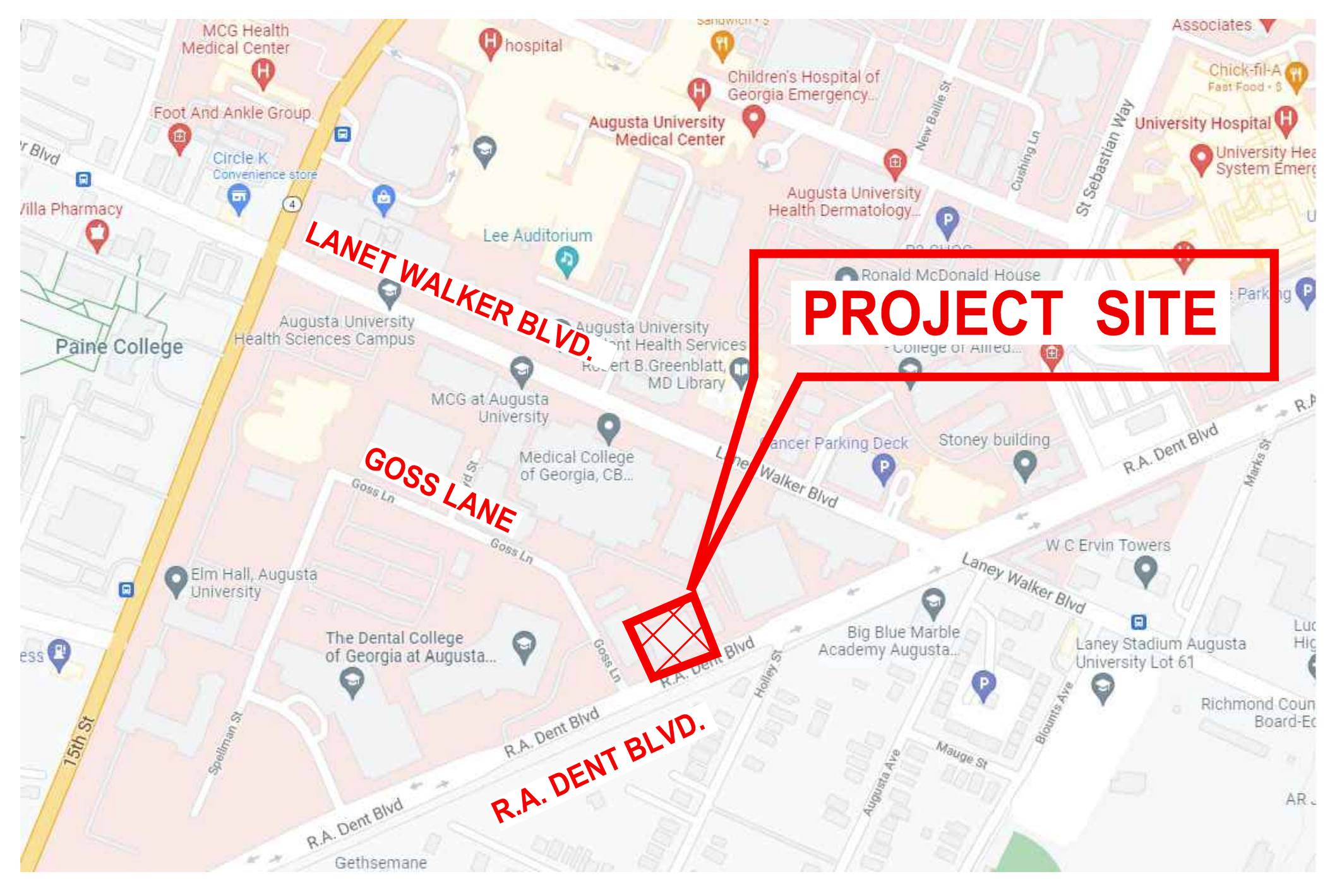
I.T. MODULAR DATA CENTER

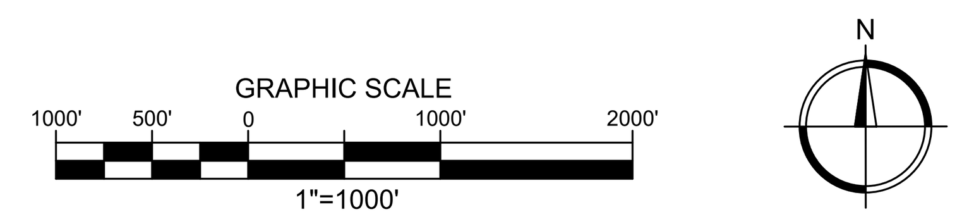
1450 LANEY WALKER BLVD., AUGUSTA, GA 30901

GENERAL NOTES

1. THE CONTRACTOR WILL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS AND LICENSES AS REQUIRED BY RICHMOND COUNTY NECESSARY FOR CONSTRUCTION.
2. ALL DRAINAGE EASEMENTS AND DISTURBED AREAS MUST BE GRASSED AND/OR RIPRAPPED AS REQUIRED TO CONTROL EROSION.
3. ALL CONSTRUCTION WITHIN AUGUSTA RIGHTS-OF-WAY SHALL CONFORM TO AUGUSTA-RICHMOND COUNTY, GEORGIA STANDARDS AND SPECIFICATIONS.
4. ALL SILT BARRIERS MUST BE PLACED IMMEDIATELY FOLLOWING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIERS INSTALLATION IS COMPLETED.
5. CONTRACTOR SHALL CONTACT THE INSPECTION DIVISION OF THE PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS PRIOR TO STARTING WORK ON THE PROJECT. THE PHONE NUMBER FOR THIS OFFICE IS (706) 821-1706.
6. THE OWNER WILL PROVIDE THE FOLLOWING CERTIFICATION: "I AM THE OWNER OF THE PROPERTY AFFECTED BY THIS SITE PLAN. PRIOR TO REQUESTING A CERTIFICATE OF OCCUPANCY, I WILL SUBMIT A NOTARIZED STATEMENT AS FOLLOWS: 'I CERTIFY THAT THE SITE IMPROVEMENTS ARE COMPLETE AND IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.' THIS CERTIFICATION WILL BE BASED ON OBSERVATIONS OF AND SUPERVISION OF CONSTRUCTION BY MY REPRESENTATIVE OR ME. I UNDERSTAND THAT THE CERTIFICATE OF OCCUPANCY WILL NOT BE APPROVED UNTIL THIS CERTIFICATION HAS BEEN MADE".
7. THERE ARE NO KNOWN GRAVE SITES OR CEMETERIES LOCATED ON THE PROPERTY. IF GRAVE SITES OR CEMETERIES ARE DISCOVERED DURING CONSTRUCTION, INFORMATION MUST BE SUBMITTED TO THE PLANNING COMMISSION IMMEDIATELY.
8. THE DEVELOPER/CONTRACTOR SHALL BE RESPONSIBLE FOR THE INITIAL INSTALLATION OF THE SIGNS SUCH AS "STOP" SIGNS AND OTHER TRAFFIC CONTROL DEVICES AS REQUIRED BY THE TRAFFIC ENGINEER.
9. APPROVAL BY AUGUSTA-RICHMOND COUNTY, GEORGIA IS FOR THE IMPROVEMENTS SHOWN IN THE SITE PLAN. ANY VARIATION FROM THE APPROVED SITE PLAN MUST BE APPROVED BY THE CITY ENGINEER.
10. THE COST OF INSPECTION BY THE CITY OF AUGUSTA-RICHMOND COUNTY'S DEPARTMENT OF PUBLIC WORKS AND ENGINEERING, BEFORE OR AFTER REGULAR WORKING HOURS, ON SATURDAYS, SUNDAYS OR LEGAL HOLIDAYS, SHALL BE PAID FOR BY THE INDIVIDUAL REQUESTING THE INSPECTION AT A RATE OF 1 ½ TIMES THE REGULAR SALARY PER HOUR OF THE INSPECTOR PLUS 7.65% FROM THE EMPLOYER'S FICA/MEDICARE MATCH. APPROVAL FOR THE INSPECTION OUTSIDE OF NORMAL WORKING HOURS SHALL BE OBTAINED FROM THE COUNTY ENGINEER 48-HOURS IN ADVANCE. PRIOR TO THE COMMENCEMENT OF WORK REQUIRING INSPECTION OUTSIDE OF NORMAL WORKING HOURS, THE INDIVIDUAL REQUESTING THE INSPECTION SHALL SIGN A FORM WHICH IS FURNISHED BY THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING AGREEING TO PAY THE OVERTIME. THE INDIVIDUAL REQUESTING THE INSPECTION SHALL SIGN A FORM WHICH IS FURNISHED BY THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING AGREEING TO PAY THE OVERTIME. THE INDIVIDUAL REQUESTING THE INSPECTION WILL BE BILLED BY THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING FOR PAYMENT.
11. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD WITH THE CITY ENGINEER OR HIS DESIGNATED REPRESENTATIVE PRIOR TO BEGINNING CONSTRUCTION. THIS MEETING SHALL BE SCHEDULED WITH THE ENGINEERING DEPARTMENT AT THE TIME THE NOTIFICATION OF WORK COMMENCEMENT IS GIVEN.
12. ALL BOXES HAVING A DEPTH OF 4'-0" OR GREATER SHALL HAVE STEPS. MANHOLE COVER SHALL BE LOCATED SUCH THAT STEPS CAN BE READILY ACCESSIBLE.
13. NO MARQUEE, ISLANDS, OR SPRINKLER SYSTEM TO BE LOCATED WITHIN THE RIGHT-OF-WAY. THE CONTRACTOR SHALL VERIFY I.E. OF ALL EXISTING PIPES AND ROAD GRADE ELEVATIONS OF EXISTING ROADS BEFORE BEGINNING CONSTRUCTION.
14. NOTIFY THE COUNTY ENGINEER'S OFFICE 48 HRS. PRIOR TO STARTING CONSTRUCTION, POURING TRAP TOPS, DUMPING BASE OR PAVING.
15. APPROVAL OF THESE PLANS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF ADHERING TO THE WEIGHT LIMITS PRESCRIBED ON STATE, COUNTY & CITY MAINTAINED ROADS FOR HAULING EQUIPMENT OR MATERIALS TO & FROM THIS SITE.
16. THE CONTRACTOR IS RESPONSIBLE TO REMOVE OR CLEAN OUT ANY SILT, DIRT, MUD OR ANY OTHER TYPE OF DEBRIS THAT COMES OFF THE SITE AND FINDS ITS WAY INTO PRIVATE PONDS OR A COUNTY OWNED POND. THEY ARE RESPONSIBLE TO REMOVE ANY OF THE ABOVE MENTIONED ITEMS THAT COME OFF THE SITE ONTO PRIVATE, COUNTY OR STATE OWNED PROPERTIES TO INCLUDE RIGHTS-OF-WAY.
17. A CAD FILE WILL BE PROVIDED FOR SITE GEOMETRY STAKING. HOWEVER THE PRINTED SEALED PLANS ARE THE RECORD. JLA IS NOT RESPONSIBLE FOR THE USE OR MISUSE OF THE ELECTRONIC FILE.
18. LOCATION OF PROPOSED BUSINESS SIGN SHALL BE IN ACCORDANCE WITH 28-B-3 OF AUGUSTA ZONING ORDINANCE AND SHALL BE SUBMITTED AND APPROVED BY THE LICENSE AND INSPECTION DEPARTMENT PRIOR TO ERECTION AND/OR INSTALLATION.
19. ANY ENCROACHMENT INTO THE COUNTY RIGHT OF WAY WHICH POSES A RESTRICTION OF TRAFFIC FLOW OR ENDANGERS THE MOTORING PUBLIC SHALL REQUIRE A "TRAFFIC CONTROL PLAN" PRIOR TO APPROVAL OF THE PLAN. CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN INCLUDING DETOURS AND LANE CLOSING ON ROADWAY CUTS AS REQUIRED BY THE AUGUSTA-RICHMOND COUNTY COMPREHENSIVE ZONING ORDINANCE.
20. AN ELECTRONIC (PREFERABLY CAD FILE) AS-BUILT SITE PLAN SHALL BE PROVIDED TO AUGUSTA ENGINEERING DEPARTMENT PRIOR TO ACCEPTANCE BY THE CITY OF AUGUSTA. THE AS-BUILTS SHALL BE BASED ON A STANDARD SURVEY INDUSTRY COORDINATE SYSTEM AND VERTICAL; DATUM.
21. A 4-FOOT x 4 FOOT PAD, 6 INCHES IN DEPTH OF 3,000 PSI CONCRETE SHALL BE POURED AROUND ALL MANHOLES IN ANY PUBLIC ROADWAY 2 INCHES BELOW THE FINISHED PAVEMENT GRADE TO INSURE COMPACTION AROUND SAID MANHOLES.
22. ENGINEER'S STATEMENT OF COMPLETED SITE IMPROVEMENTS: I HEREBY CERTIFY THAT I AM A LICENSED ENGINEER IN THE STATE OF GEORGIA. TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, SITE IMPROVEMENTS WERE CONSTRUCTED IN GENERAL CONFORMANCE WITH PERMITTED PLANS AND SPECIFICATIONS, AND IN MY PROFESSIONAL OPINION, IS IN COMPLIANCE APPLICABLE LAWS, CODES, AND ORDINANCES.
23. SIDEWALK WITHIN THE LIMITS OF THIS PROJECT SHALL MEET THE MINIMUM REQUIREMENTS FOR THE CITY OF AUGUSTA AND ADA FOR CONNECTOR STREETS.
24. THE CONTRACTOR SHALL BE REQUIRED TO HAVE ON SITE A COPY OF THE GEORGIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS AND CONSTRUCTION STANDARD DETAILS, CURRENT EDITION.
25. ALL CONSTRUCTION WITHIN AUGUSTA RIGHTS-OF-WAY SHALL CONFORM TO AUGUSTA, GEORGIA STANDARDS AND SPECIFICATIONS.
26. **DURING THE COURSE OF CONSTRUCTION, THE GENERAL CONTRACTOR WILL BE RESPONSIBLE TO MAINTAIN ACCESS TO THE EXISTING AUGUSTA UNIVERSITY OPERATING HOURS. PRIOR TO LAND DISTURBANCE ACTIVITIES, THE GENERAL CONTRACTOR WILL COORDINATE WITH THE OWNER AND ENGINEER THE DEVELOPMENT OF A PLAN THAT WILL IDENTIFY ACTIVE MEANS AND METHODS TO BE INCORPORATED IN THE PROJECT TO PROVIDE SAFE EGRESS AND INGRESS TO THESE EXISTING FACILITIES.**

PROJECT LOCATION MAP





UTILITY WARNING:
The underground utilities shown have been located from field survey information and existing drawings. The engineer makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The engineer further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The engineer has not physically located the underground utilities.

SITE LEGEND

	EXISTING	PROPOSED
BLDG. STRUCTURE		
PROPERTY LINE OR RIGHT-OF-WAY	BEARING/LENGTH DIST./RADIUS	
BENCHMARK		
SPOT ELEVATION	+100.0	+100.00
TREE LINE		
CONTOUR	100	100
STORM DRAIN	18"SD JB	18"SD JB
FRENCH DRAIN	6"FD	6"FD
SANITARY SEWER	8"SS MH	8"SS MH
CLEAN-OUT/SS SERVICE	C.O.	C.O.
WATER	8"W	8"W
NATURAL GAS	3"G	3"G
OVERHEAD POWER	OHP	
UNDERGROUND POWER	UGP	
OVERHEAD TELEPHONE	OHT	
UNDERGROUND TELEPHONE	T UGT	
CABLE	C C	
FIBER OPTICS	F/O	
DITCH/SWALE		
FENCE	(TYPE) X X	(TYPE) X X
CONCRETE		
HEAVY-DUTY ASPHALT PAVEMENT		
LIGHT-DUTY ASPHALT DRIVEWAY		
CONCRETE CURB & GUTTER		
PITCHED (SPILL)		
NORMAL		
2-SCH 40 PVC 4" CONDUIT STUB (PAIR)		

ABBREV.	DESCRIPTION
N/F	NOW/FORMERLY
PID	PROPERTY IDENTIFICATION NUMBER
R/W	RIGHT-OF-WAY
HCP	HORIZ. CONTROL POINT
LP	LIGHTPOLE
A/C	AIR CONDITIONING UNIT
TRANS.	TRANSFORMER
EB; EBOX	ELECTRIC BOX
BOL.	BOLLARD
DI	DROP INLET
INV	INVERT (PIPE)
GI	GRATE INLET
DWCB	DOUBLE WING CATCH BASIN
SWCB	SINGLE WING CATCH BASIN
PW	POTABLE WATER
ICV	IRRIGATION CONTROL VALVE
WM	WATER METER
WV	WATER VALVE
GV	NATURAL GAS VALVE
FH; HYD	FIRE HYDRANT
IRR	IRRIGATION
BM	BENCHMARK
RBF	REBAR FOUND
OTP	OPEN TOP PIPE
CTP	CRIMPED TOP PIPE
MON	SURVEY MONUMENT
NS	NAIL SET
NF (MAG)	NAIL FOUND (MAG NAIL)

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PARKING COUNTS

NEW SPACES: 1 ADA SPACE
PARKING DEMO: -0
TOTAL ADDED: 1 ADA SPACE

CIVIL DRAWING INDEX

DWG. NO.	DESCRIPTION
CG001	COVER SHEET
CV001	EXISTING CONDITIONS PLAN
CD001	DEMOLITION PLAN
C-101	LAYOUT, STAKING & UTILITY PLAN
C-201	GRADING, DRAINAGE, & EROSION CONTROL PLAN
C-501	SITE DETAILS SHEET 1 OF 2
C-502	SITE DETAILS SHEET 2 OF 2
C-503	EROSION CONTROL DETAILS

PROJECT DATA

OWNER'S REPRESENTATIVE (PRIMARY PERMITEE):
SUNBELT BUILDERS, INC.
10641 HIGHWAY 36
COVINGTON, GA 30014

OWNER'S REPRESENTATIVE CONTACT:
MICHAEL B. McCROREY, JR.
P: 770-786-3031
E: mmccrorey@sunbeltbuilders.com

OWNER'S ENGINEER:
JOHNSON, LASCHOBER & ASSOCIATES, P.C.
TREVOR WIMBERLY, PE
1296 BROAD STREET
AUGUSTA, GA 30901
P: 706-724-5756
E: twimberly@theJLAgroup.com

PARCEL NO.: 046-3-133-00-0

PROPERTY ADDRESS: 1450 LANEY WALKER BLVD. AUGUSTA, GA 30901

TOTAL SITE AREA: 3.68 ACRES (WHOLE PARCEL)

DISTURBED AREA: 0.26 ACRES (11,001 SF)

GSWCC REGION: REGION III

SWCD: BRIER CREEK

LAND USE: INSTITUTIONAL

DEVELOPMENT TYPE- OFFICE / DISTRIBUTION / TECHNOLOGY

CONSTRUCTION EXIT COORDINATES: 33.4675° N 81.9882° W

ZONING: R-3B, MULTIPLE FAMILY RESIDENTIAL

CONCRETE SLAB AREA: 5,200 SF

CONCRETE SLAB SETBACKS: 10 FT (SIDE) 40 FT (FRONT)

EXISTING IMPERVIOUS GROUND COVER: 0.00 AC

ADDED IMPERVIOUS GROUND COVER : 0.21 AC. (8,954 SF)

PROJECT DESCRIPTION

CONSTRUCTION OF A CONCRETE SLAB FOR INFORMATION TECHNOLOGY INFRASTRUCTURE. THE SLAB HAS ASPHALT OR GRAVEL AROUND IT ON ALL SIDES FOR ACCESS.

ALPHA BLDG SET 07-14-2022

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CLIENT: SUNBELT BUILDERS
10641 HIGHWAY 36, COVINGTON, GA 30014

PROJECT NAME: AUGUSTA UNIVERSITY I.T. MODULAR DATA CENTER

PROJECT LOCATION: 1450 LANEY WALKER BLVD. AUGUSTA, GA 30901

NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION
A	05/18/22	TAW	ISSUED FOR PRICING

PROJECT NO.	2108.2201
DRAWN BY :	CRE
CHECKED BY :	TAW
DATE:	02/15/2022

SHEET TITLE : **COVER SHEET**

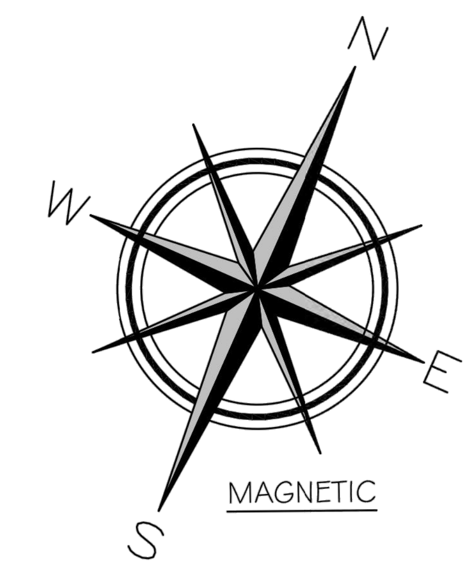
SCALE: AS NOTED

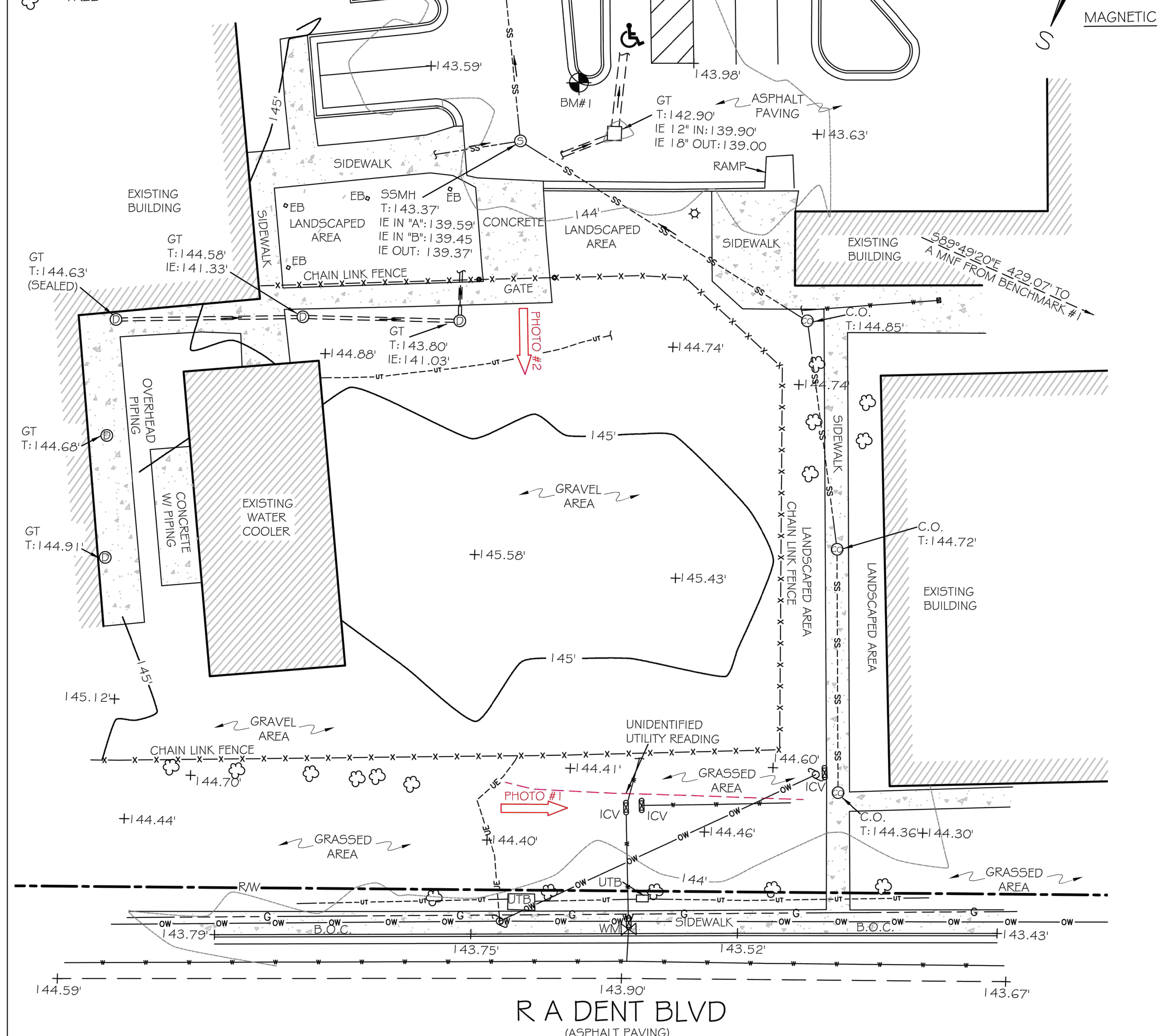
DRAWING NO. **CG001** REV. **A**

K:\21082201\Civil\CG001.dwg Plotted:5/18/2022 5:00 PM By:Trevor Wimberly, P.E.
BORDER: JLA24x36-XREF.DWG
REV. 10/27/2020 CRE

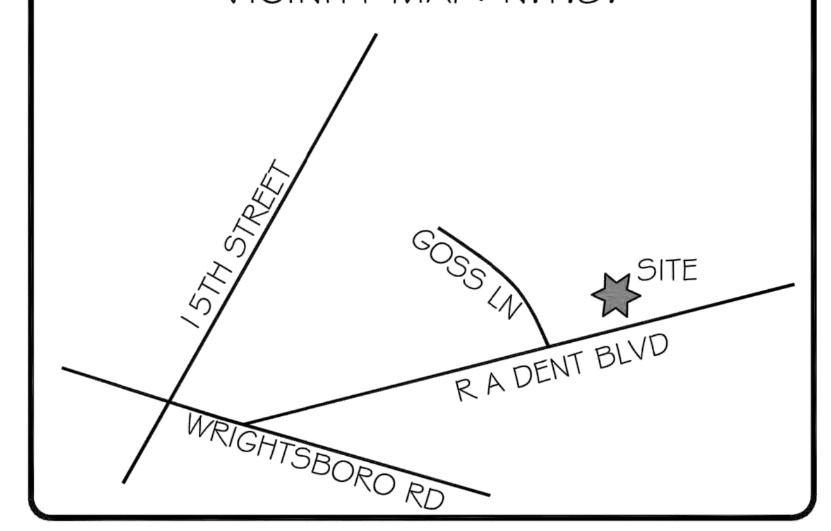
LEGEND

RBF = REBAR FOUND
RBS = REBAR SET
R/W = RIGHT OF WAY
CP = CALCULATED POINT
MNS = MAG NAIL SET
UTB = UNDERGROUND
COMUNICATIONS BOX
CO = CLEAN OUT
WM = WATER METER
HBT = HOOD BACK TRAP
DI = DRAIN INLET
= UTILITY POLE
P.O.B. = POINT OF BEGINNING
EB = ELECTRICAL BOX
= TREE
SSMH = SANITARY SEWER MANHOLE
STMH = STORM SEWER MANHOLE
EOP = EDGE OF PAVEMENT
TOC = TOP OF CURB
CMF = CONCRETE MONUMENT FOUND
GV = GAS VALVE
= LIGHT POLE
CONC. = CONCRETE
SAN = SANITARY SEWER PIPE
MBL = MINIMUM BUILDING LINE
= SANITARY SEWER MANHOLE
NTS = NOT TO SCALE
UE = UNDERGROUND ELECTRIC
W = WATER LINE





VICINITY MAP: N.T.S.



SITE PHOTO #1

SITE PHOTO #2

GENERAL NOTES

1. THIS PROPERTY MAY BE SUBJECT TO RESTRICTIONS AND OTHER EASEMENTS NOT SHOWN HEREON BUT MAY BE RECORDED IN THE CLERK OF COURTS OFFICE.

2. UNDERGROUND UTILITIES SHALL BE VERIFIED BY CONTRACTOR BEFORE EXCAVATION.

3. DEBRIS & EQUIPMENT STORED WITHIN FENCE LIMITS.

4. UNDERGROUND UTILITIES WITHIN FENCED AREA NOT COMPLETELY LOCATED AT THE TIME OF SURVEY DUE TO DEBRIS & EQUIPMENT STORAGE.

5. RIGHT OF WAY TO BE USED AS REFERENCE ONLY.

20 10 0 20
SCALE: 1" = 20'

DESCRIPTION:
SURVEY SHOWING A PORTION OF PROPERTY LOCATED AT 1450 LANEY WALKER BLVD.

FIELD: KH & TF	DATE OF FIELD WORK: 02/14/2022
DRAWN: HAS	DATE OF MAP: 02/17/2022
CHECKED BY: JPM	ORDERED BY:
COUNTY: AUGUSTA-RICHMOND	SCALE: 1"=20'
LOCATION: 1450 LANEY WALKER BLVD	JOB No: 522029
REVISION NOTES:	

TOPOGRAPHIC MAP FOR:

JOHNSON, LASCHOBER & ASSOCIATES, P.C.

Surveyor's Signature
Registered Surveyor: John P. Malone
Registration Number: LS 2826
In the State of: Georgia

GEORGIA REGISTERED No. 2826 PROFESSIONAL LAND SURVEYOR JOHN P. MALONE

S&A LAND SURVEYING
Stencel & Associates, LLC
229 Greenway Street - Thomson, Georgia 30824
C.O.A. - LSF#001350
Email: stencelandassociates@gmail.com
www.snalandsurveying.com Phone: 706.690.5023
SHEET 1 OF 1

SURVEY DATA:
INSTRUMENT USED: LEICA TS 12 ROBOTICS
ANGULAR ERROR: 5" PER POINT
PLAT CLOSURE: 1/10,000'±
ADJUSTMENT BY NO RULE
DATUM: EAST GEORGIA COORDINATES
& SEA LEVEL ELEVATIONS

FLOOD NOTE:
ACCORDING TO THE FEMA FLOOD MAP 13057C0240E DATED 11/15/2019, THIS PROPERTY IS NOT LOCATED IN A 100 YEAR FLOOD ZONE.

BENCHMARK:
MAG NAIL SET-BM#1
n:1261377.7630
e:710585.1366
elev:143.09'

BENCHMARK:
R/W MAG NAIL FOUND (OFFSITE)
n:1261376.4314
e:711014.2017
elev:142.79'

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CLIENT: SUNBELT BUILDERS
10641 HIGHWAY 36, COVINGTON, GA 30014

PROJECT NAME: **AUGUSTA UNIVERSITY I.T. MODULAR DATA CENTER**

PROJECT LOCATION: 1450 LANEY WALKER BLVD. AUGUSTA, GA 30901

NOT FOR CONSTRUCTION

REV	DATE		DESCRIPTION
A	05/18/22	TAW	ISSUED FOR PRICING

PROJECT NO. 2108.2201
DRAWN BY:
CHECKED BY:
DATE: 02/15/2022
SHEET TITLE: **EXISTING CONDITIONS PLAN**
SCALE:
DRAWING NO. **CV001** REV. **A**

K:\2108\2201\Civil\CD001.dwg Plotted 5/18/2022 5:00 PM By Trevor Wimberly, P.E.

BORDER - A-24x36-AREF.DWG REV. 10/27/2020 CRE

ALPHA BLDG SET 07-14-2022

DEMOLITION LEGEND:

- XXXXXXX (#) TO BE REMOVED
- (#) PROTECT & MAINTAIN
- (#) TO BE RELOCATED

1. STRUCTURES (BUILDING; CANOPY; WALL)
2. FENCE/GATE
3. STORM DRAIN STRUCTURE/PIPE
4. SANITARY SEWER STRUCTURE/PIPE
5. TREES / VEGETATION
6. HARDSCAPE
7. MISCELLANEOUS SITE FIXTURES (PICNIC TABLES)

DEMOLITION NOTES:

1. ALL ITEMS TO BE DEMOLISHED ARE DOUBLE HATCHED; ITEMS TO BE ABANDONED (IF ANY) ARE SINGLE HATCHED; AND BOTH SHOWN DOTTED.
2. ALL UNDERGROUND LOCATIONS ARE APPROXIMATE AND SUPPLIED BY VARIOUS UTILITY COMPANIES. NOTIFY THE ENGINEER IMMEDIATELY IN WRITING OF ANY CONFLICTS OR DISCREPANCIES.
3. CONTRACTOR TO VERIFY ALL EXISTING FIELD CONDITIONS PRIOR TO DEMOLITION & CONSTRUCTION WORK.
4. ALL DEMOLISHED ITEMS TO BE REMOVED FROM SITE & DISPOSED OF IN LEGAL MANNER OR UPON OWNER'S DISCRETION.
5. PROJECT OWNER TO DECIDE WHERE PICNIC TABLES SHALL BE RELOCATED.

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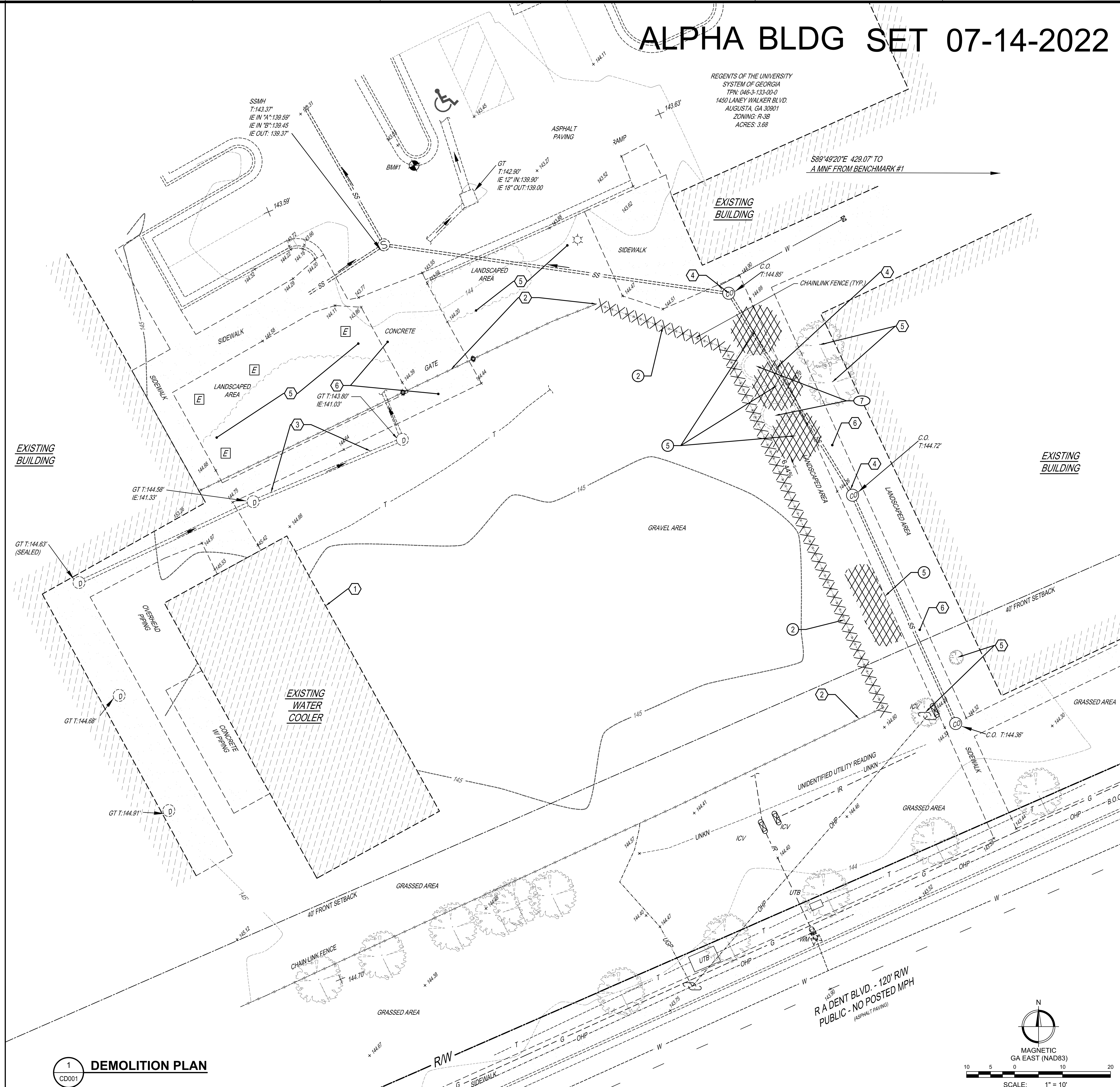

1 CD001 DEMOLITION PLAN

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PROJECT LOCATION: 1450 LANEY WALKER BLVD. AUGUSTA, GA 30901

NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION
A	05/18/22	TAW	ISSUED FOR PRICING

PROJECT NO.	2108.2201
DRAWN BY :	AWR
CHECKED BY :	TAW
DATE:	02/15/2022
SHEET TITLE :	DEMOLITION PLAN
SCALE:	1" = 10'
DRAWING NO.	CD001
REV.	A

LAYOUT AND STAKING NOTES

SITE SPECIFIC:

1. ALL EXISTING ASPHALT TO BE SEALED WITH MASTER SEAL OF APPROVED EQUAL AND INSTALLED PER MANUFACTURING SPECIFICATIONS.
2. ALL EXISTING CRACKS TO BE FILLED WITH HOT POUR CRACK SEALANT (CRACK MASTER544 OR APPROVED EQUAL) AND INSTALLED PER MANUFACTURERS SPECIFICATIONS PRIOR TO SEAL COATING.
3. ALL DIMENSIONS AND/OR COORDINATES ARE FROM FACE OF CURB, EDGE OF CONCRETE/PAVEMENT AND/OR FACE OF BUILDING.
4. ALL PAVEMENT MARKINGS AND SIGNAGE TO BE IN ACCORDANCE WITH AUGUSTA-RICHMOND COUNTY, GDOT, AASHTO, AND MUTCD.
5. THE CONTRACTOR SHALL NOTIFY AND RECEIVE APPROVAL FOR THE METHOD, SPACING REQUIREMENTS, AND SCHEDULING OF CONSTRUCTION FROM THE OWNER PRIOR TO COMMENCEMENT OF CONSTRUCTION.
6. THE CONTRACTOR SHALL MAINTAIN EXISTING TRAFFIC AT ALL TIMES DURING CONSTRUCTION.
7. THE CONTRACTOR SHALL REPAIR OR REPLACE AT NO COST TO THE OWNER ANY DAMAGE INCURRED TO ABOVE OR BELOW GROUND UTILITY SERVICES OR ANY EXISTING STRUCTURES.
8. EXCESS EARTH MAYBE STOCKPILED ONSITE AS DIRECTED BY THE OWNER. STOCKPILE SHOULD NOT OBSTRUCT NATURAL DRAINAGE OR CAUSE OFFSITE ENVIRONMENTAL DAMAGE.
9. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LOCATIONS, CONDITIONS AND COMPLETENESS OF ALL EXISTING CONSTRUCTION SHOWN BEFORE COMMENCEMENT OF CONSTRUCTION.

EARTHWORK:

1. PAVEMENT SUBGRADE - COMPACT TOP 12" OF EXISITNG SOIL OR COMPACTED STRUCTURAL FILL TO 100% STANDARD PROCTOR (ASTM D 698) FOR ALL SUBGRADE UNDER PAVEMENT, SIDEWALK AND ALL OTHER STRUCTURES.
2. COMPACTION TESTS FOR SUBGRADE, STRUCTURAL FILL AND FOR AGGREGATE BASE COURSES SHALL CONFORM TO ASTM D 698 (STANDARD PROCTOR).
3. AGGREGATE BASE MATERIAL (GAB) SHALL BE IN ACCORDANCE WITH THE GA 5. D.O.T. SPECIFICATION 815 AND 310 AND COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR.
4. SEE STRUCTURAL DRAWINGS FOR EARTHWORK SPECIFICATIONS FOR CONCRETE PAD AND RAMP.

CONCRETE:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
   - A. ACI 318-89.
   - B. POLYPORPYLENE FIBERS SHALL BE PER ASTM C1116.
   - C. CONCRETE TABLE PROVIDED ON THIS SHEET.

CONCRETE TABLE:

LOCATION	MIN. 28-DAY STRENGTH	MIN. CEMENT CONTENT	SLUMP	ENTRAINED AIR CONTENT	MAX. AGGR. SIZE
SIDEWALK & CURBS	3,000 PSI	5.5 BAG/YD^3	4"±1"	4% - 6%	1"
CONC. PAVEMENT	4,000 PSI	6.3 BAG/YD^3	2.5"± 0.5"	4% - 6%	1-1/2"
CONC. PAD AND RAMP	-------------------------- SEE STRUCTURAL DRAWINGS ------------------------------				

ROAD SIGNS

(1) ADA ACCESSIBLE PARKING SIGN (R7-8 AND R7-8P5)

NOTES:
1. SEE DETAIL 5/C-501
2. ALL SIGNAGE AND ROADWAY MARKINGS TO MEET ALL FHWA, MUTCD, AND LOCAL SPECIFICATIONS. CODES ARE FROM MUTCD STANDARD HIGHWAY SIGNS AND MARKINGS ENGLISH VERSION. (2004, 2012 ED.)

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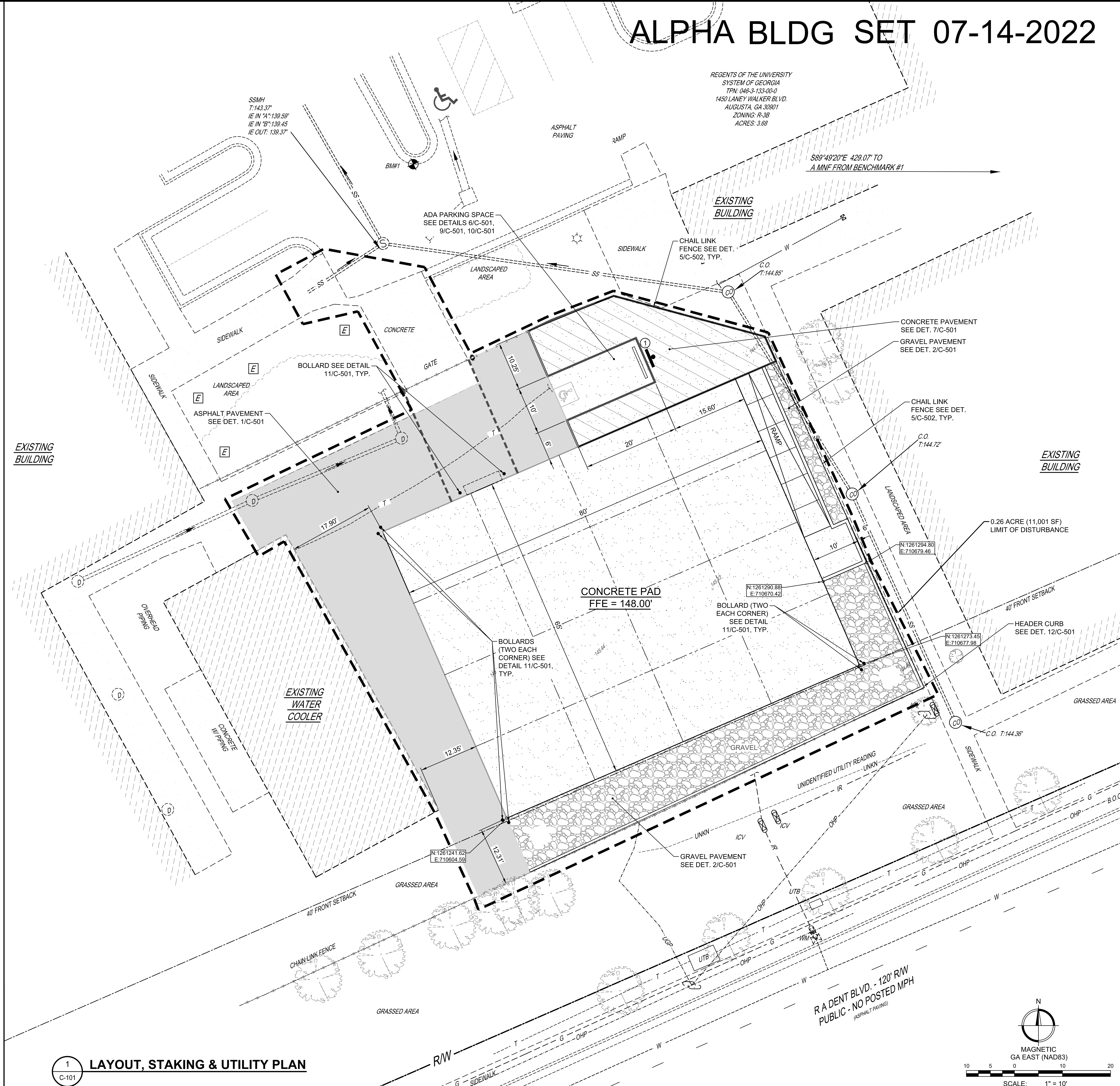
UTILITY WARNING:
The underground utilities shown have been located from field survey information and existing drawings. The engineer makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The engineer further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The engineer has not physically located the underground utilities.



(1 / C-101) LAYOUT, STAKING & UTILITY PLAN

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10641 HIGHWAY 36, COVINGTON, GA 30014

PROJECT NAME: AUGUSTA UNIVERSITY I.T. MODULAR DATA CENTER

PROJECT LOCATION: 1450 LANEY WALKER BLVD. AUGUSTA, GA 30901

NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION
A	05/18/22	TAW	ISSUED FOR PRICING

PROJECT NO. 2108.2201
DRAWN BY : AWR
CHECKED BY : TAW
DATE: 02/15/2022
SHEET TITLE : LAYOUT, STAKING & UTILITY PLAN
SCALE: 1" = 10'
DRAWING NO. C-101
REV. A

K:\21082201\Civil\C-101.dwg Plotted:5/18/2022 5:18 PM By:Trevor Wimberly, P.E.

GEORGIA UNIFORM CODING SYSTEM FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES

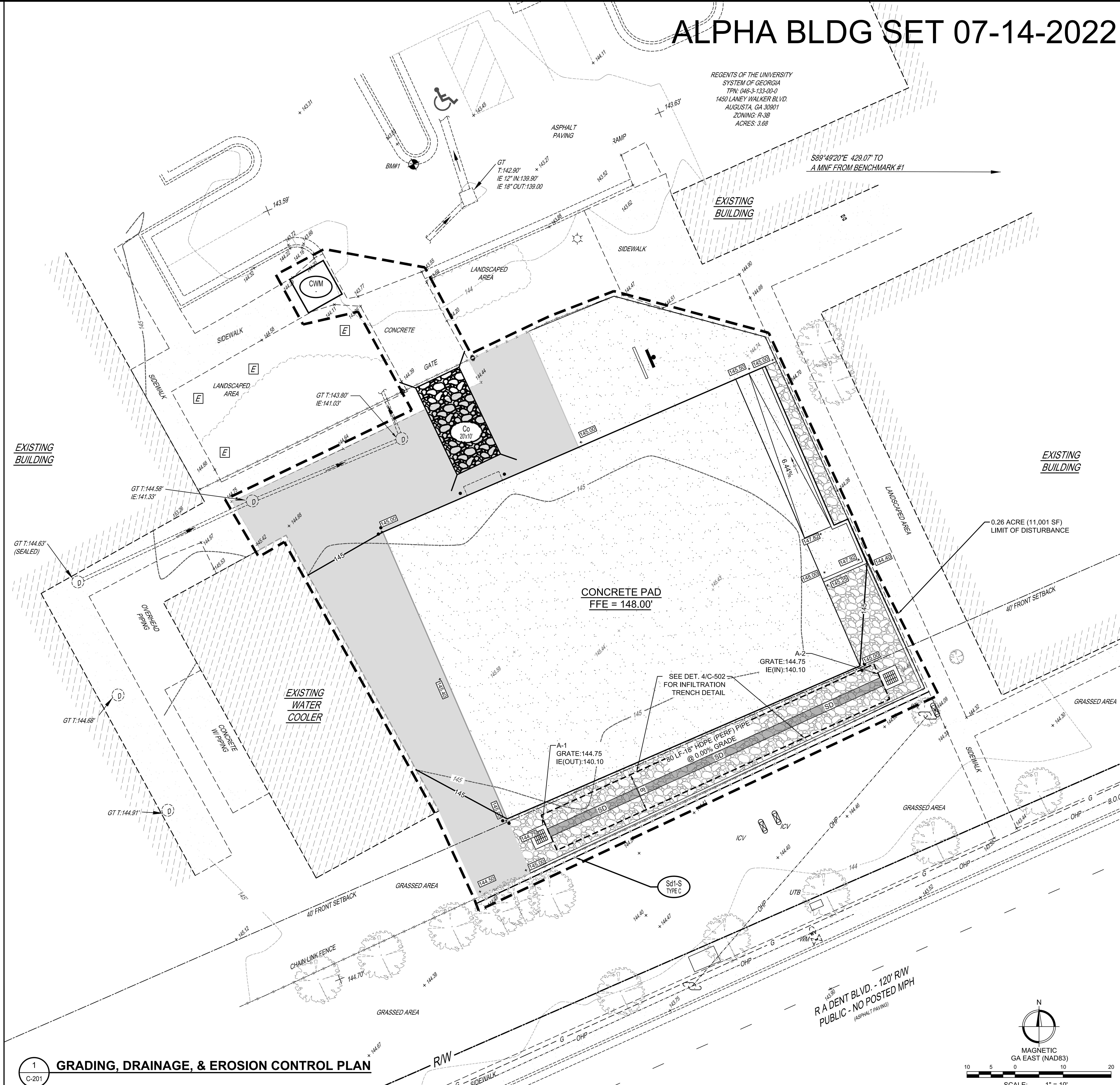
STRUCTURAL PRACTICES

Co (Size)	CONSTRUCTION EXIT		Co (LABEL)	A CRUSHED STONE PAD LOCATED AT THE CONSTRUCTION SITE EXIT TO PROVIDE A PLACE FOR REMOVING MUD FROM TIRES THEREBY PROTECTING PUBLIC STREETS.
Sd1	SEDIMENT BARRIER Sd1-S (Sensitive) Type "C" Silt Fence		TYPE (INDICATE TYPE)	A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT MAY BE SANDBAGS, BALES OF STRAW OR HAY, BRUSH, LOGS AND POLES, GRAVEL, OR A SEDIMENT FENCE. THE BARRIERS ARE USUALLY TEMPORARY AND INEXPENSIVE.

SUPPLEMENTAL PRACTICES

CWM	CONCRETE WASTE MANAGEMENT		(INDICATE TYPE)	PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORMWATER FROM CONCRETE WASTE BY CONDUCTING WASHOUT OFFSITE, PERFORMING ONSITE WASHOUT IN A DESIGNATED AREA AND TRAINING EMPLOYEES AND SUBCONTRACTORS.

ALPHA BLDG SET 07-14-2022



1 C-201 **GRADING, DRAINAGE, & EROSION CONTROL PLAN**

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SUNBELT BUILDERS
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PROJECT NAME:
AUGUSTA UNIVERSITY I.T. MODULAR DATA CENTER

PROJECT LOCATION:
1450 LANEY WALKER BLVD. AUGUSTA, GA 30901

NOT FOR CONSTRUCTION

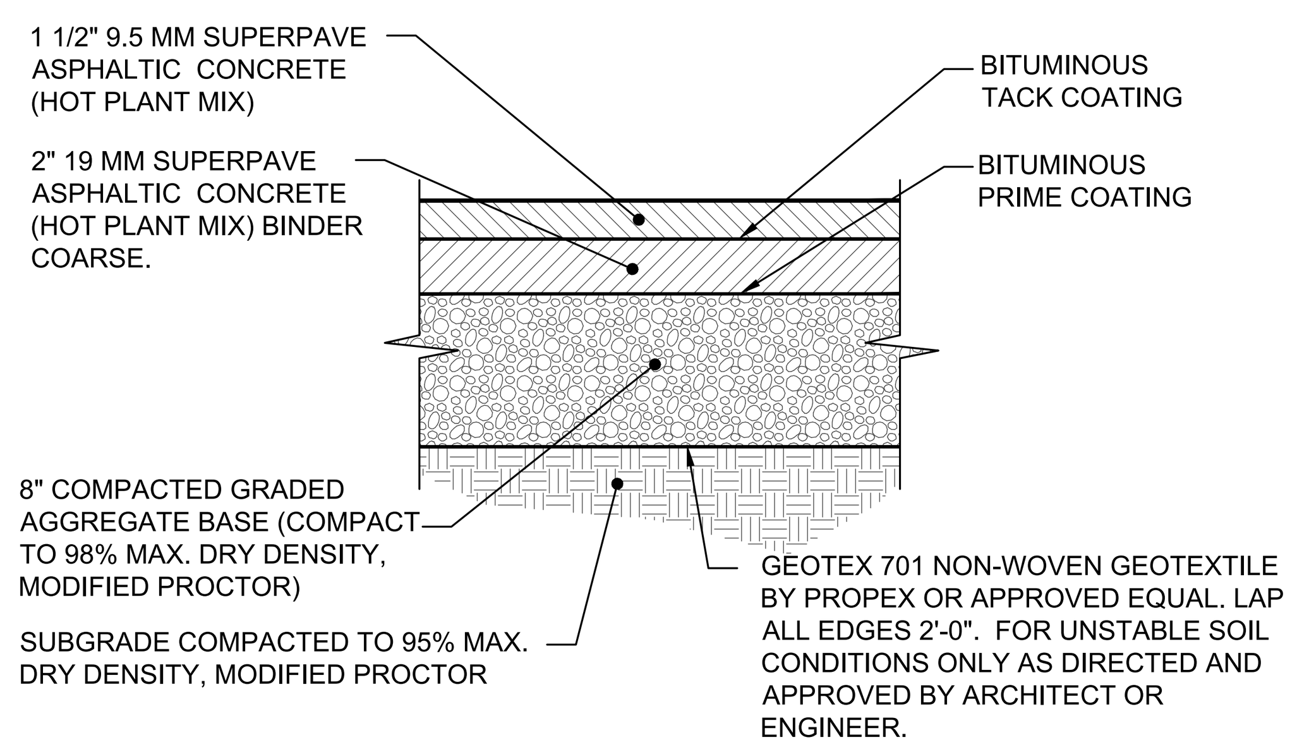
REV	DATE	BY	DESCRIPTION
A	05/18/22	TAW	ISSUED FOR PRICING

PROJECT NO.	2108.2201
DRAWN BY :	AWR
CHECKED BY :	TAW
DATE:	02/15/2022

SHEET TITLE :
GRADING, DRAINAGE, & EROSION CONTROL PLAN

SCALE: 1" = 10'

DRAWING NO. C-201
REV. A

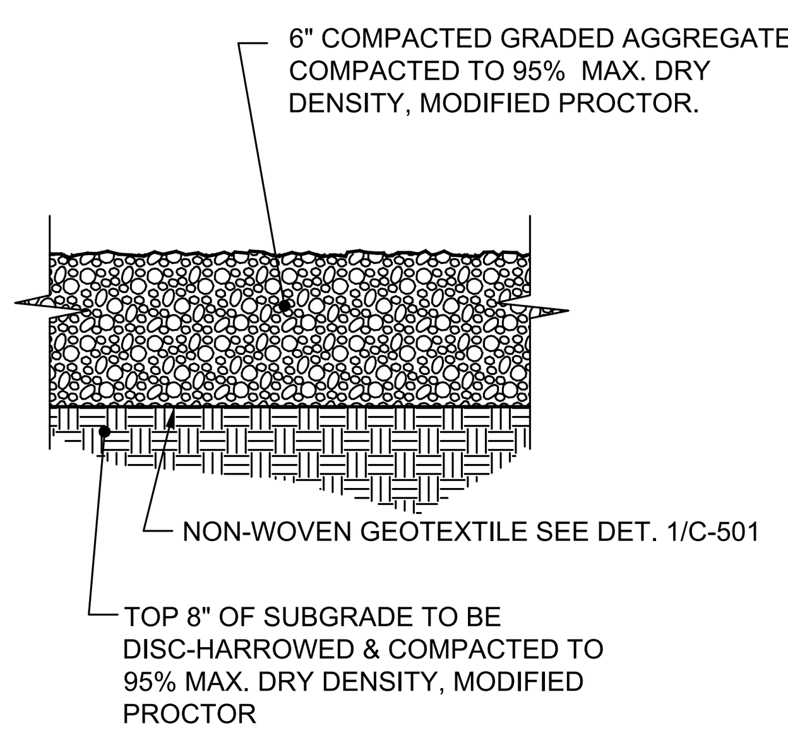


(ALL MATERIALS AND CONSTRUCTION PER GDOT STANDARDS & SPECIFICATIONS)

TYPICAL SECTION THRU ASPHALT PAVEMENT AND BASE

NO SCALE

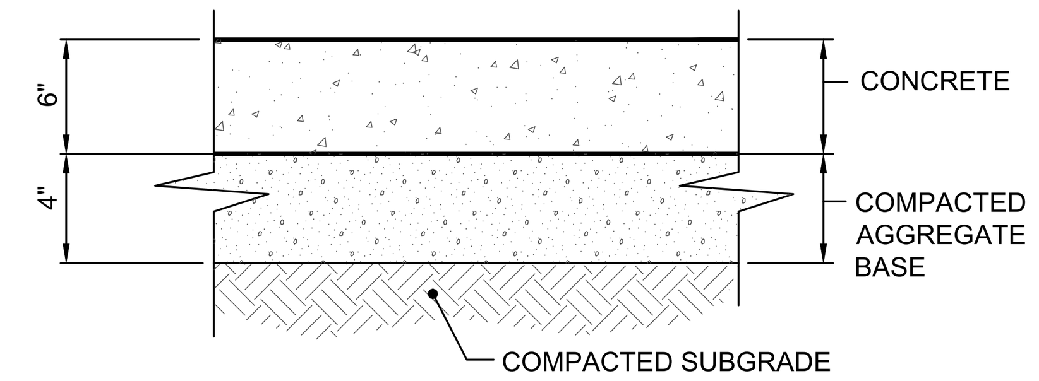
1 / C-501



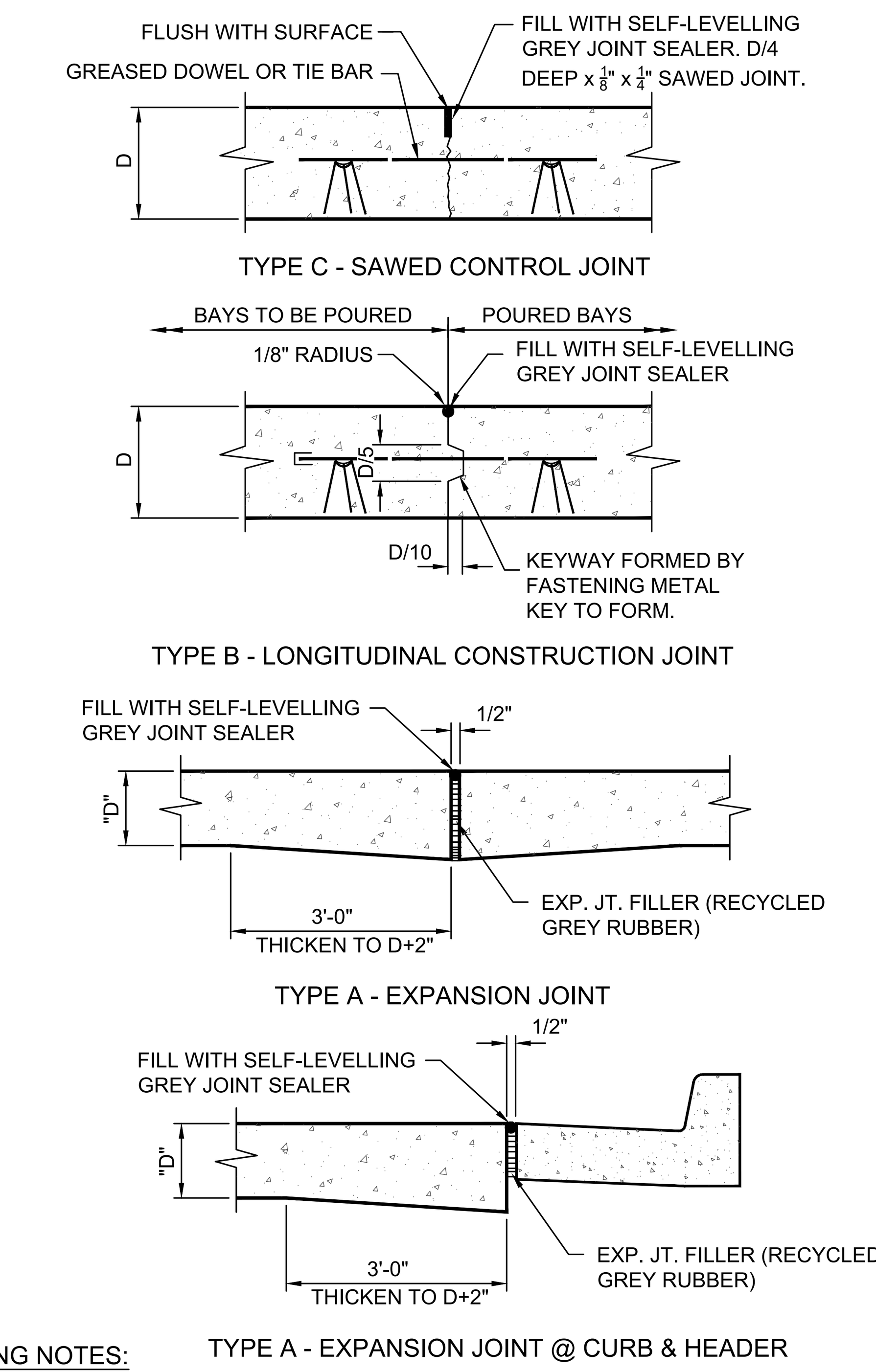
TYPICAL SECTION THRU GRAVEL PAVEMENT

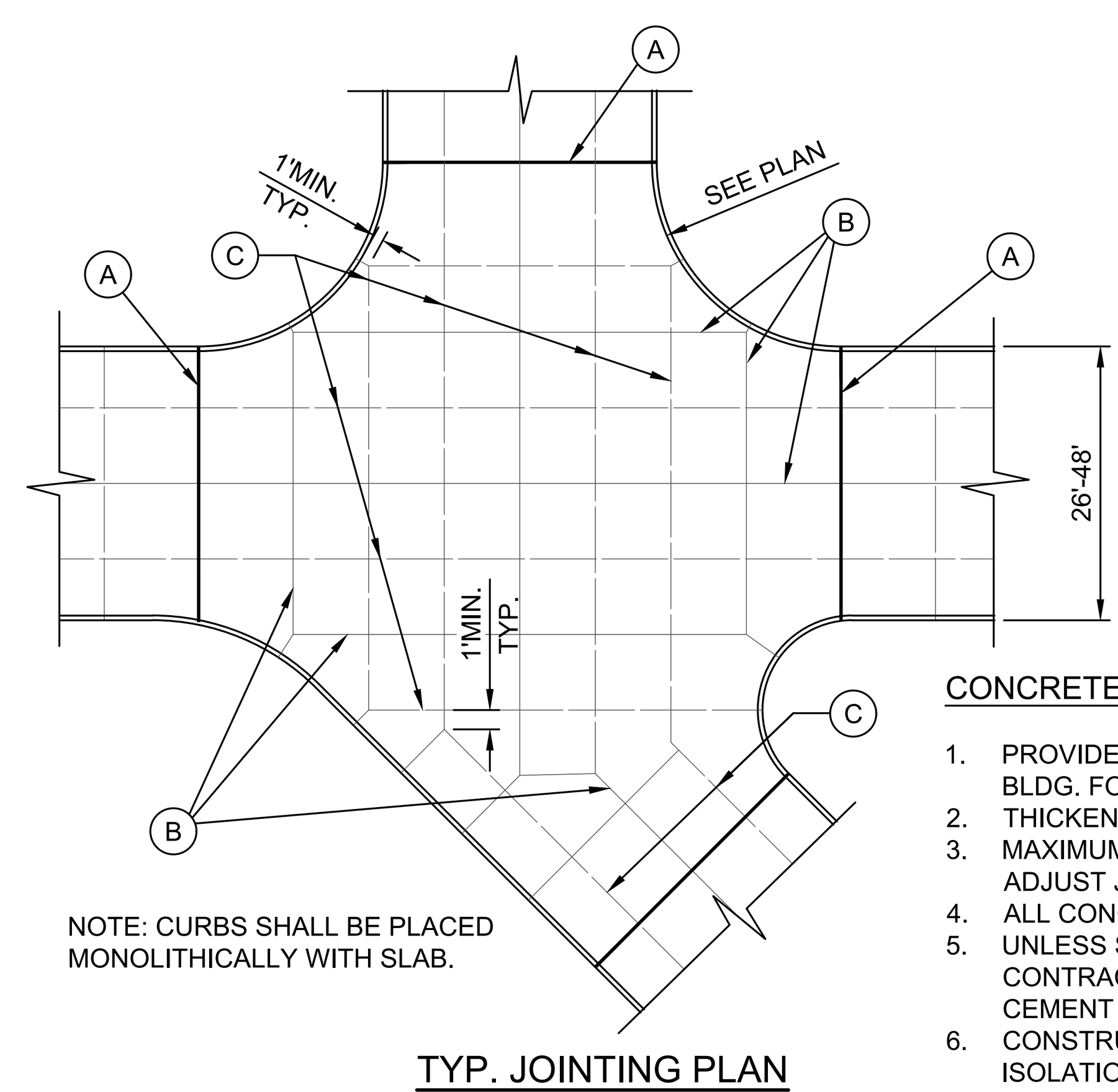
NO SCALE

2 / C-501



CONCRETE PAVING





NOTE: CURBS SHALL BE PLACED MONOLITHICALLY WITH SLAB.

TYP. JOINTING PLAN

CONCRETE PAVING NOTES:

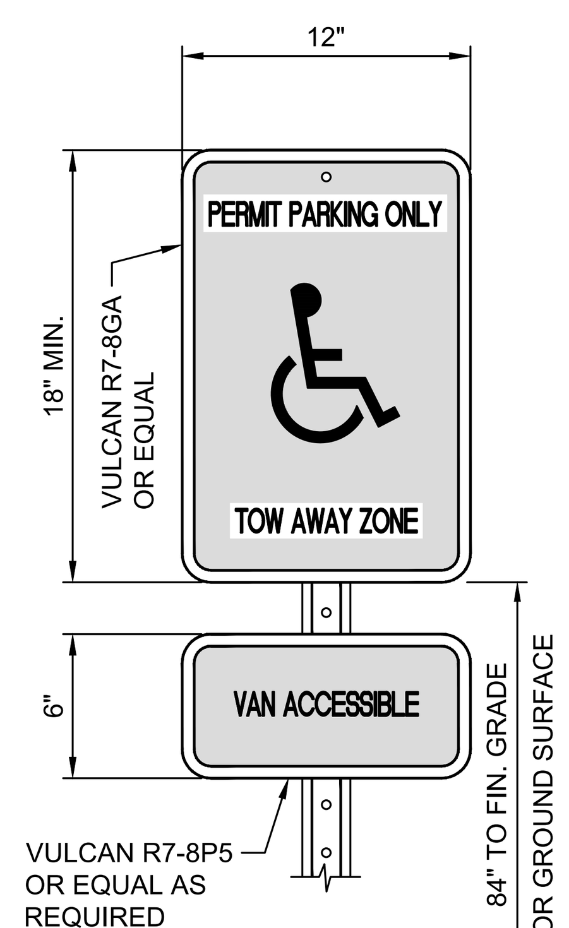
1. PROVIDE 1/2" EXP. JOINT FILLER TO BE GREY RECYCLED RUBBER PER ASTM D175 & ASTM D1752 AT ALL BLDG. FOUNDATIONS, DRAINAGE STRUCTURES, AREA TRANSITIONS, AND WHERE NOTED IN DRAWINGS.
2. THICKENED SLAB EDGE 2" IN 36" AT EDGE OF PAVING.
3. MAXIMUM JOINT SPACING(FEET) SHALL BE 2-1/2 x PAVEMENT THICKNESS (INCHES) CONTRACTOR SHALL ADJUST JOINT LOCATIONS TO LINE UP WITH CORNERS OF STRUCTURES.
4. ALL CONC. SHALL BE 4,000 PSI.
5. UNLESS SHOWN ON THE PROJECT DRAWING A JOINTING PLAN SHALL BE PREPARED BY THE CONTRACTOR IN ACCORDANCE WITH CONSTRUCTION PRACTICES SET FORTH BY THE PORTLAND CEMENT ASSOCIATION AND APPROVED BY THE ENGINEER BEFORE PAVING BEGINS.
6. CONSTRUCTION PRACTICES SHALL ADDRESS CONTROL JOINTS OR CONTRACTION JOINTS AND ISOLATION (EXPANSION) JOINTS CONSTRUCTION AND LAYOUT.
7. ALL DOWELS ARE ¾"Ø SMOOTH x 18" LONG @ 12" O.C.TIE BARS ARE #4's x 18" LONG @ 24" O.C.
8. CONCRETE PAVEMENT SHALL HAVE POLYPROPYLENE FIBER REINFORCING AT A RATE OF 1.5#/CY.

CONCRETE PAVEMENT DETAILS

NO SCALE

7 / C-501

ALPHA BLDG SET 07-14-2022



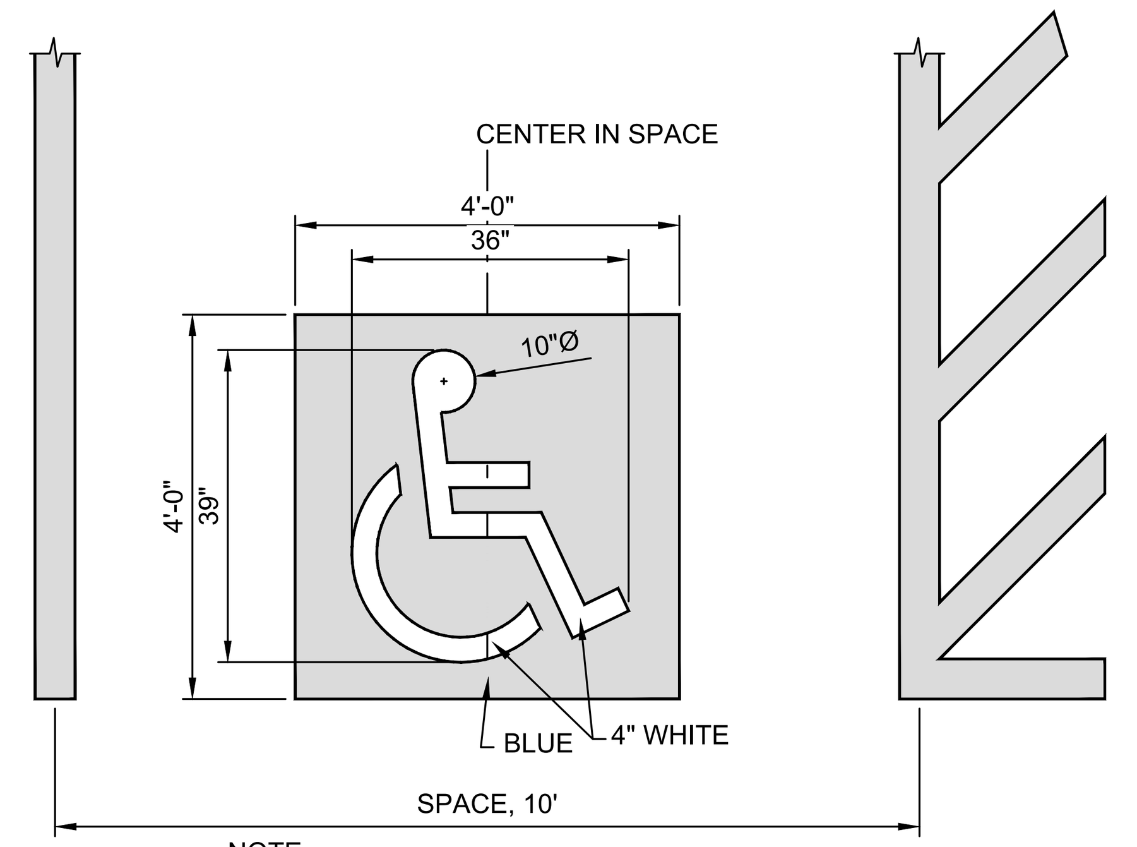
NOTES:

1. PARKING SPACES ARE DESIGNATED BY A BLUE METAL REFLECTIVE SIGN AT LEAST 12" WIDE AND 18" LONG.
2. ERECT THE SIGN SO THAT IT WILL NOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.
3. THE SIGN MUST DISPLAY THE FOLLOWING WARNINGS: "PERMIT PARKING ONLY" & "TOW-AWAY ZONE".
4. LETTERS MUST BE A MIN. OF 1" HIGH ON THREE SEPARATE LINES AND CEN- TERED ON THE SIGN.
5. THE INTERNATIONAL SYMBOL FOR ACCESSIBILITY MUST BE DISPLAYED BETWEEN THE SECOND AND THIRD LINES.
6. EACH HANDICAPPED PARKING SPACE MUST HAVE A SEPARATE SIGN.
7. A "VAN ACCESSIBLE" SIGN SHALL BE PROVIDED AS REQUIRED BY A.D.A.
8. SIGN POST TO BE DRIVEN A MINIMUM OF 30" INTO GROUND OR SET EMBEDDED IN 8"Ø x 30" DEEP CONCRETE.

HANDICAP PARKING SIGN

NO SCALE

5 / C-501

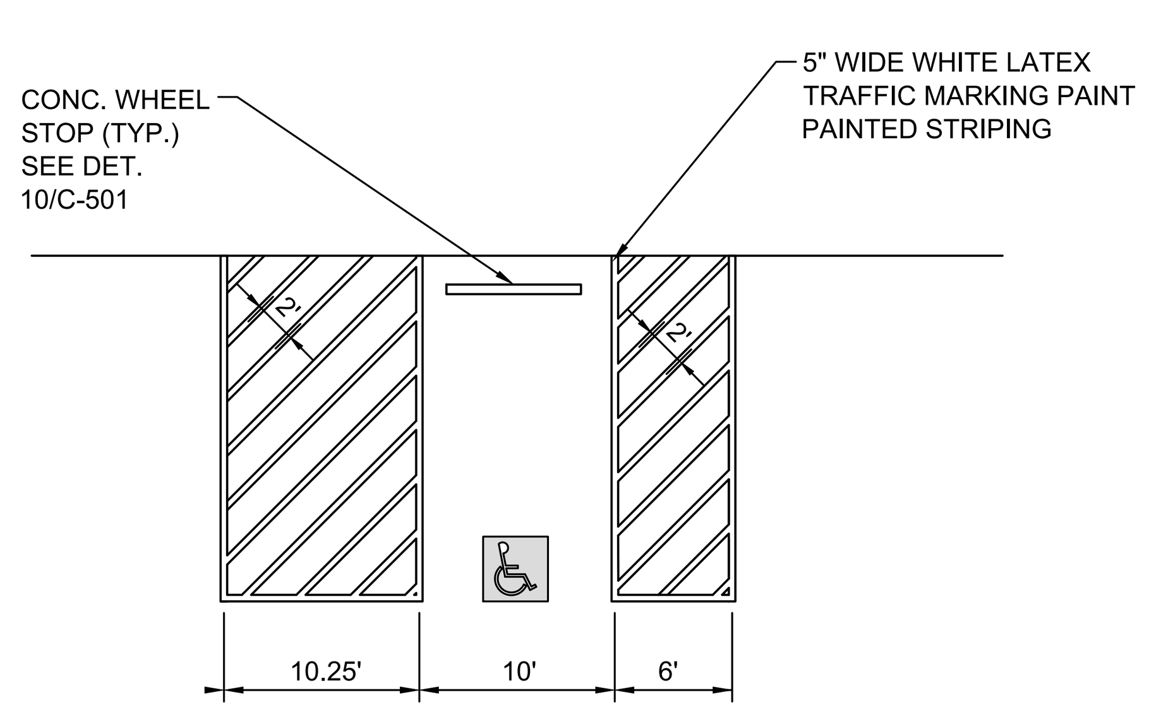


NOTE:
SEE PLAN FOR ADDITIONAL PARKING INFORMATION.

HDCP. PARKING SPACE EMBLEM

NO SCALE

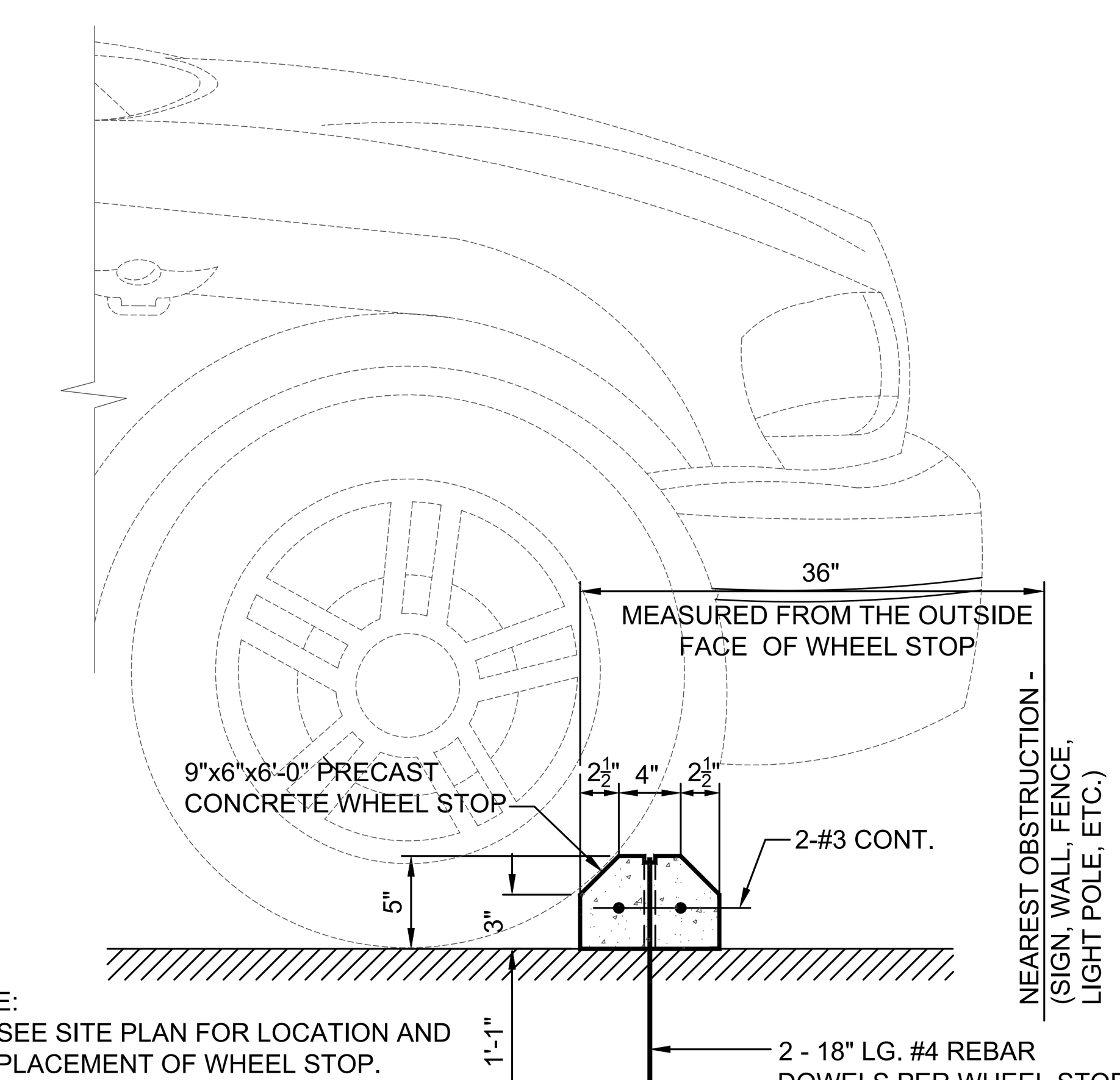
6 / C-501



ADA PARKING SPACE STRIPING DETAIL

NO SCALE

9 / C-501

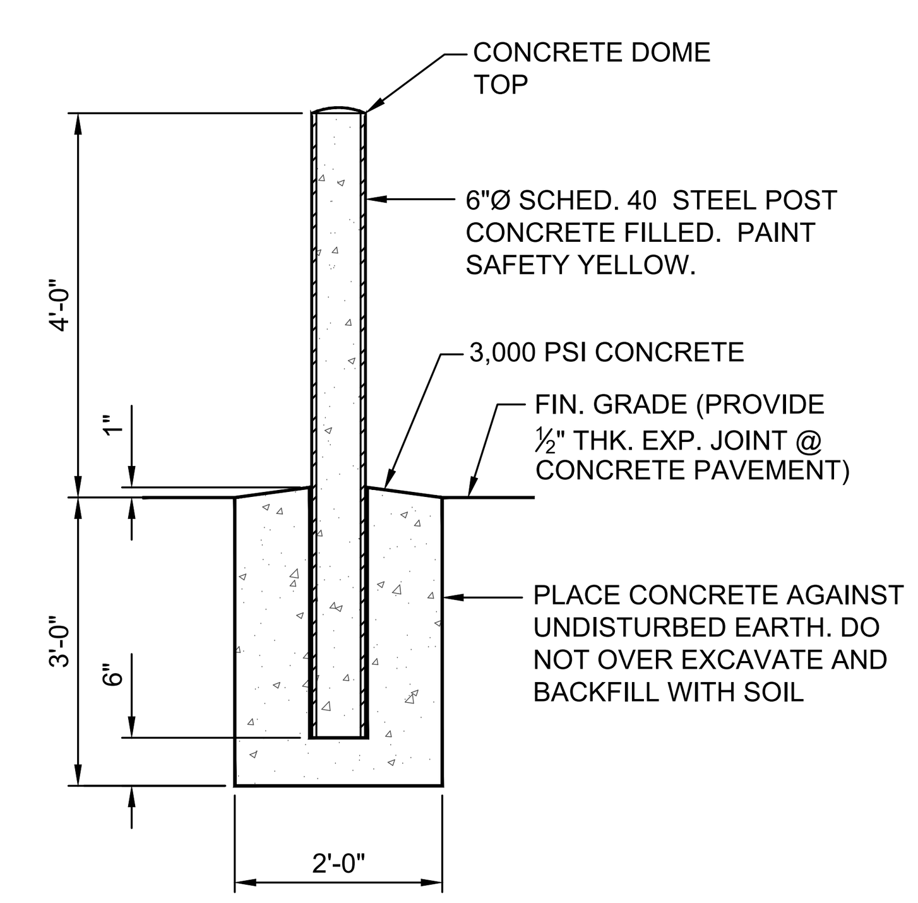


NOTE:
1. SEE SITE PLAN FOR LOCATION AND PLACEMENT OF WHEEL STOP.

CONCRETE WHEEL STOP DETAIL

NO SCALE

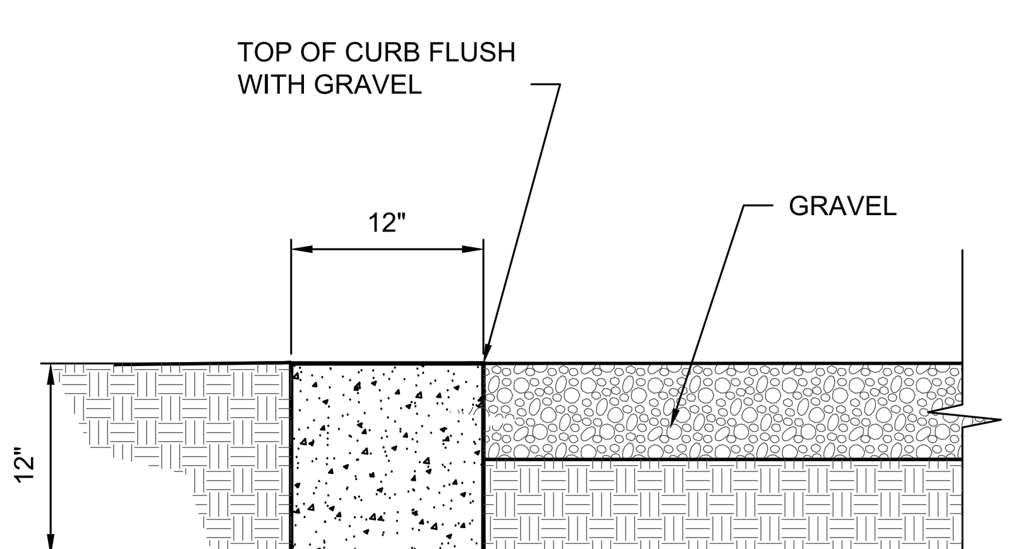
10 / C-501



PIPE BOLLARD DETAIL

NO SCALE

11 / C-501



NOTES:
1. CONCRETE SHALL BE 3,000 PSI. MORTAR MIX WILL NOT BE ACCEPTED.

CONCRETE HEADER CURB

NO SCALE

12 / C-501

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10641 HIGHWAY 36, COVINGTON, GA 30014

PROJECT NAME: AUGUSTA UNIVERSITY I.T. MODULAR DATA CENTER

PROJECT LOCATION: 1450 LANEY WALKER BLVD. AUGUSTA, GA 30901

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REV	DATE	BY	DESCRIPTION
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PROJECT NO.	2108.2201
DRAWN BY :	AWR
CHECKED BY :	TAW
DATE:	02/15/2022

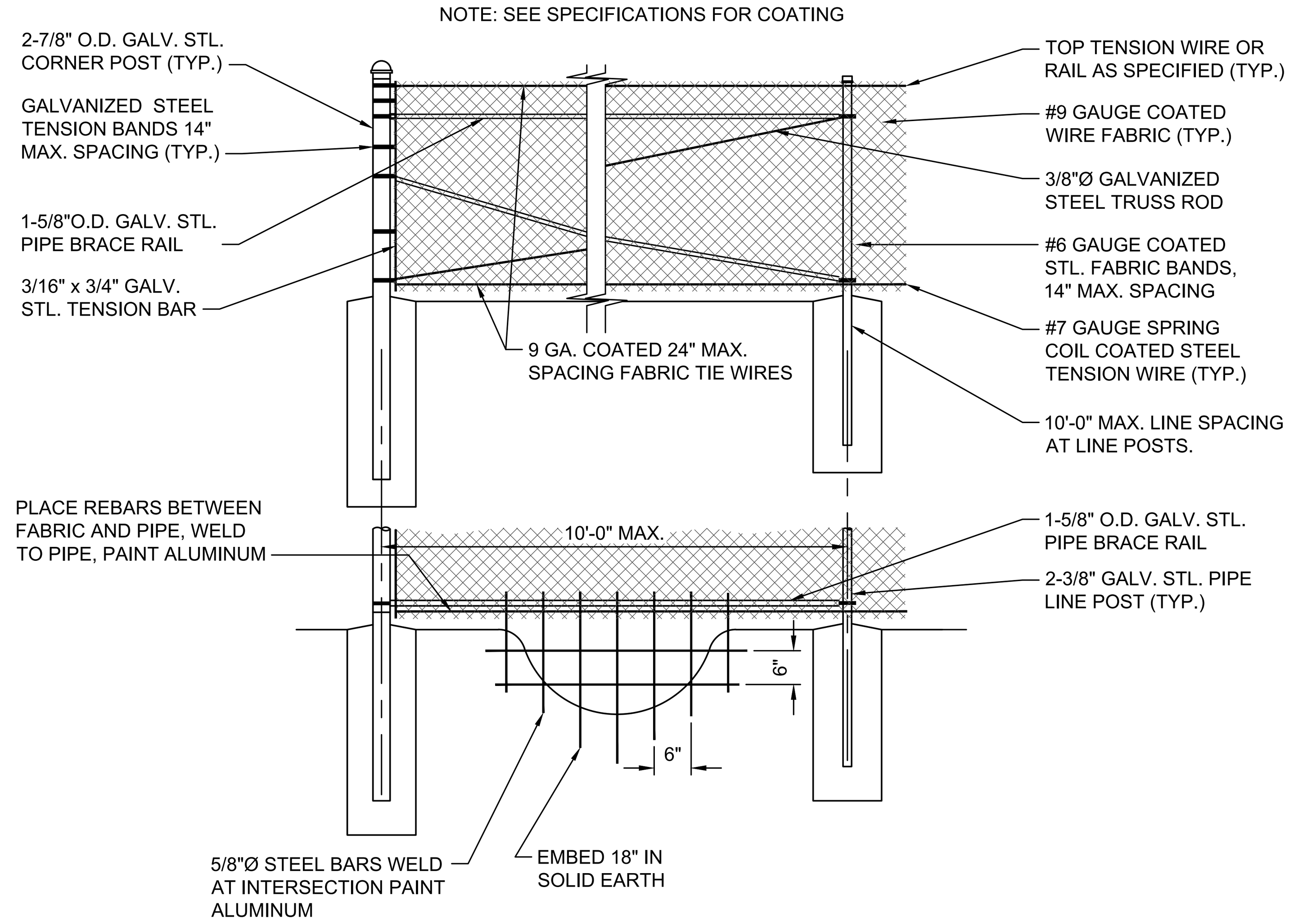
SHEET TITLE :
SITE DETAILS SHEET 1 OF 2

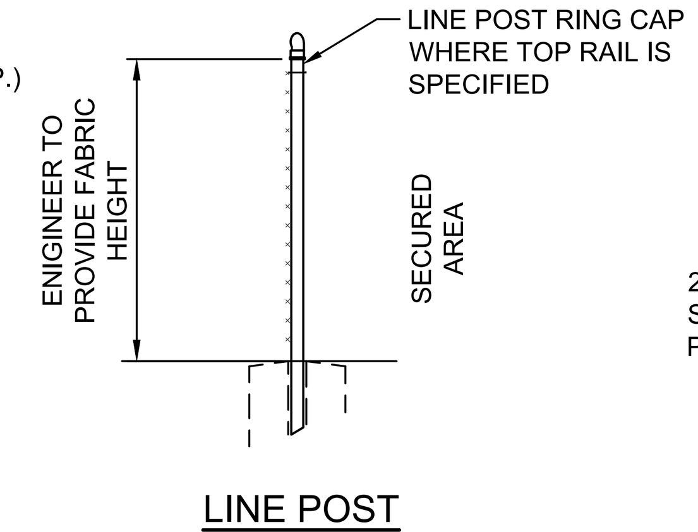
SCALE: AS NOTED

DRAWING NO. C-501 REV. A

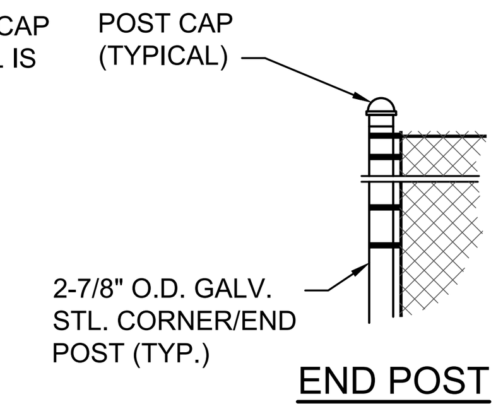
K:\2108\2201\Civil\C-501 to C-503.dwg Plotted 5/18/2022 5:01 PM By Trevor Wimberly, P.E.

NOTE: SEE SPECIFICATIONS FOR COATING





LINE POST

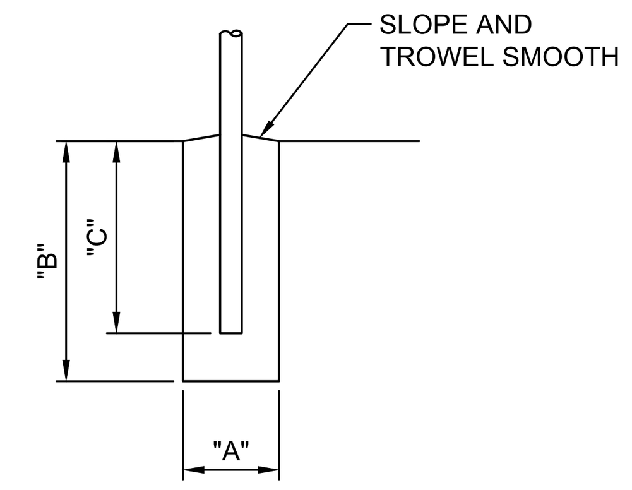


END POST

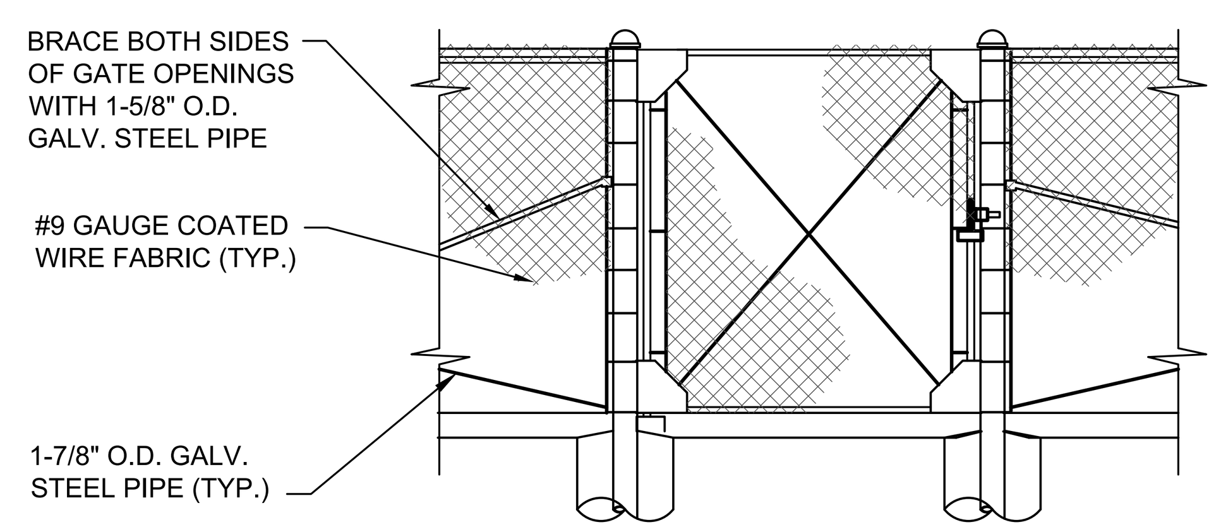
LINE & TERMINTAL POST				
FABRIC HEIGHT	POST TYPE	"A" (DIA.)	"B" DEPTH	"C" POST EMBED.
3' TO 4'	LINE	6"	26"	24"
	TERMINAL	10"	32"	30"
5'	LINE	8"	32"	30"
	TERMINAL	10"	32"	30"
6' TO 9'	LINE	12"	38"	36"
	TERMINAL	12"	38"	36"
1O' TO 12'	LINE	18"	38"	36"
	TERMINAL	18"	38"	36"
13' TO 18'	LINE	24"	42"	40"
	TERMINAL	24"	42"	40"

NOTE: TERMINAL POSTS INCLUDE END, CORNER AND PULL POSTS

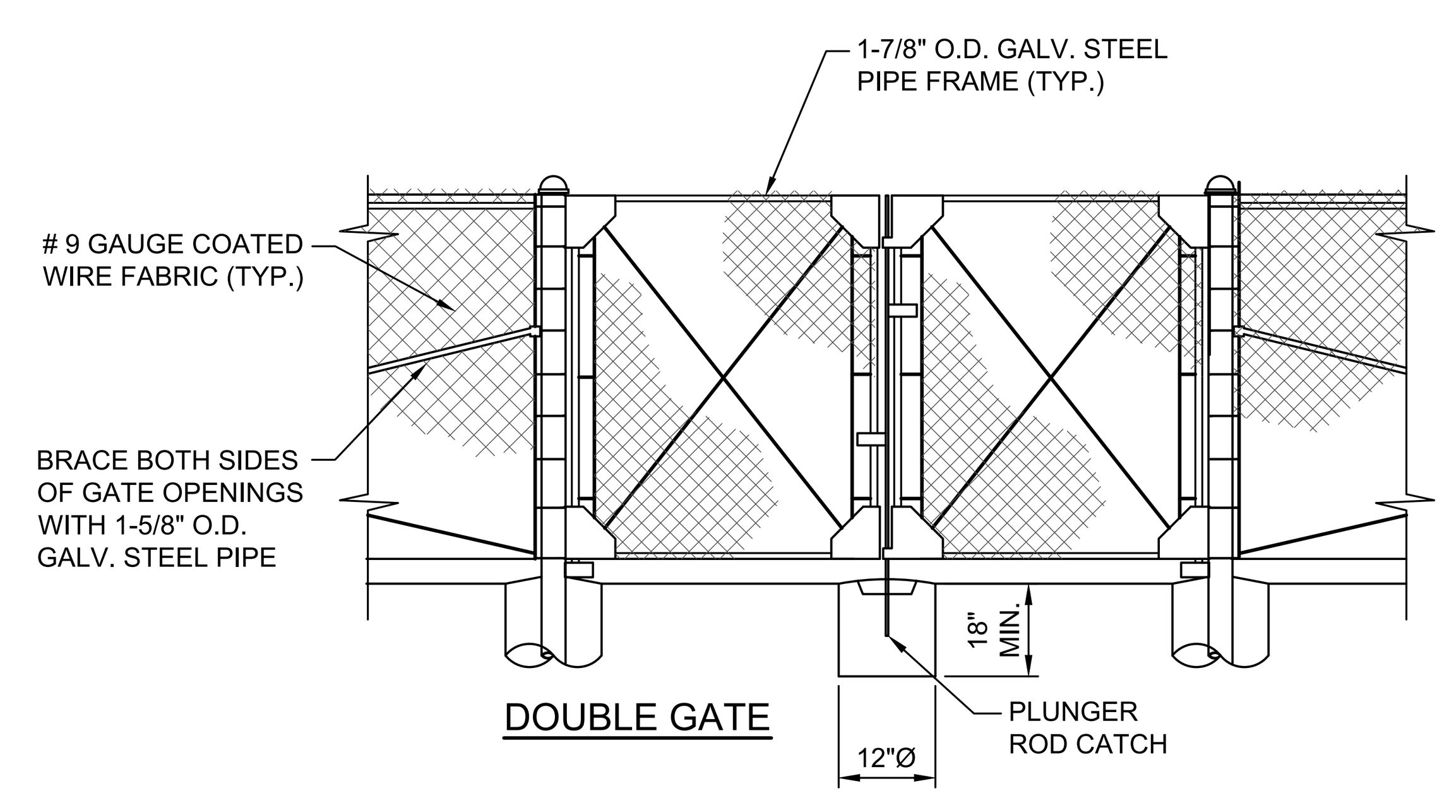
NOTES:
1. 8" MAXIMUM CLEARANCE UNDER ALL GATES.
2. ALL GATE POSTS ARE TO BE PROTECTED WITH CONCRETE BOLLARDS ON EACH SIDE.
3. GATES SHOULD BE BRACED & FRAMED TO PREVENT SAG. METHOD OF FRAMING & BRACING SHOWN IS ILLUSTRATIVE ONLY.
4. SEE SPECIFICATIONS FOR COATING.



GATE POST					
GATE LEAF WIDTH	GATE POST (OD)	FABRIC HEIGHT	"A" (DIA.)	"B" DEPTH	"C" POST EMBED.
3' TO 6'	2.875"	3' to 5'	12"	38"	36"
		6' to 9'	14"	42"	40"
		10' to 12'	16"	46"	44"
7' TO 12'	4.000"	3' to 5'	14"	38"	36"
		6' to 9'	16"	42"	40"
		10' to 12'	18"	46"	44"
13'	6.625"	8'-0"	16"	42"	40"



SINGLE GATE

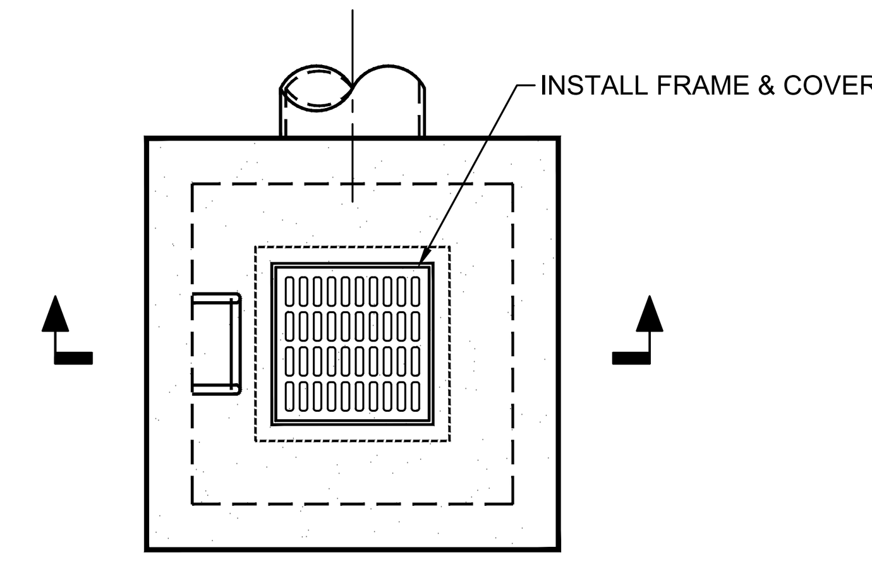


DOUBLE GATE

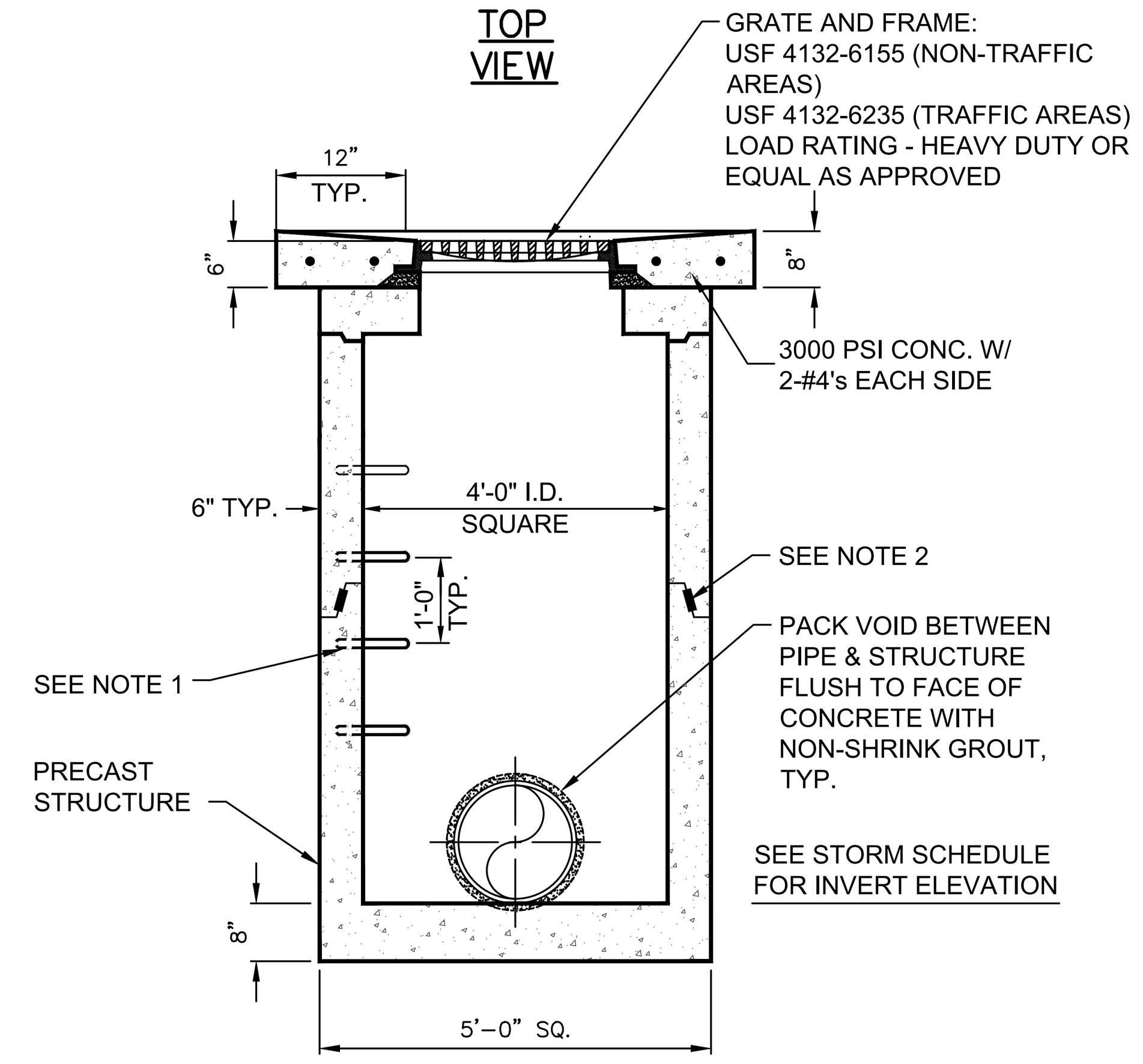
5
C-502

CHAIN LINK FENCE & GATE DETAILS

NO SCALE



TOP VIEW



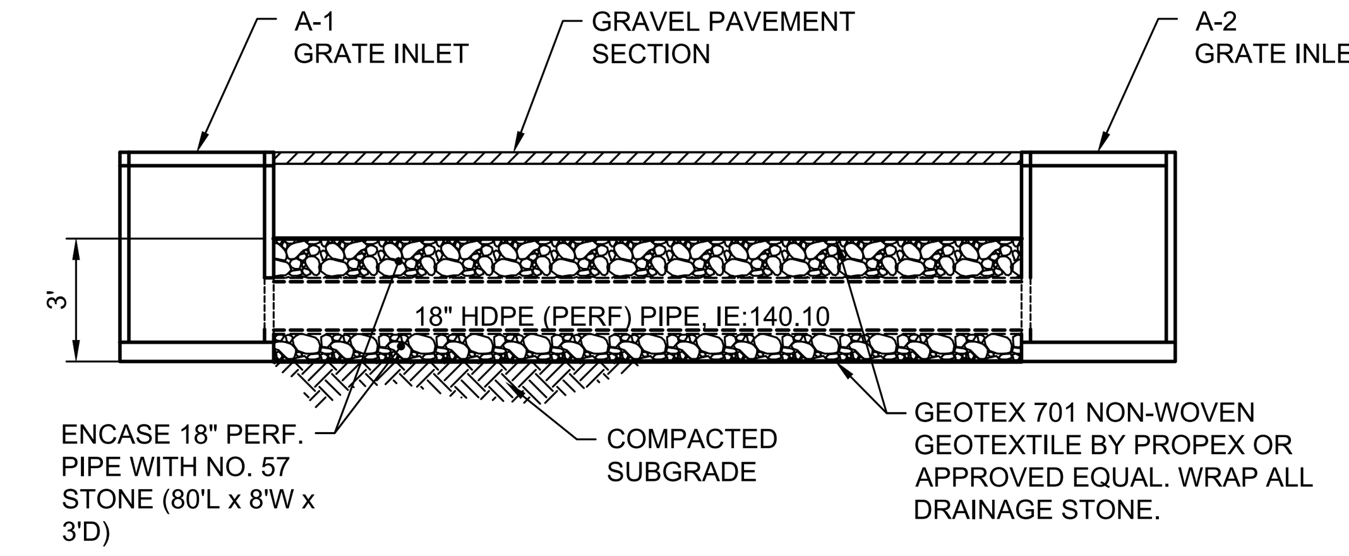
SECTION

NOTES:
1. INSTALL STEPS @ 12" O.C. IN BOXES HAVING A DEPTH OF 4'-0" OR GREATER. (STEPS MUST CONFORM TO ASTM-C-478 OR EQUIVALENT)
2. IF HEIGHT OF STRUCTURE REQUIRES THAT IT BE CAST IN PIECES, SEAL JOINTS W/ CUT-OFF RAMNECK FLUSH W/ INSIDE OF WALLS & GROUT SECTIONS OF MANHOLE INSIDE & OUTSIDE & WIPE SMOOTH, TYP.
3. INSIDE DIMENSION OF STRUCTURE SHALL BE 4'-0" MIN. FOR 36"Ø & SMALLER PIPES. FOR LARGER PIPES, INSIDE DIMENSION OF STRUCTURE SHALL BE OUTSIDE DIAMETER OF PIPE PLUS 6" CLEARANCE EACH SIDE & ROUNDED UP TO THE NEAREST FOOT.

7
C-502

GRATE INLET DETAIL

NO SCALE



INFILTRATION TRENCH SECTION.

NO SCALE

4
C-502

ALPHA BLDG SET 07-14-2022

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10641 HIGHWAY 36, COVINGTON, GA 30014

PROJECT NAME:
AUGUSTA UNIVERSITY I.T. MODULAR DATA CENTER

PROJECT LOCATION:
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NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION
A	05/18/22	TAW	ISSUED FOR PRICING

PROJECT NO.	2108.2201
DRAWN BY :	AWR
CHECKED BY :	TAW
DATE:	02/15/2022

SHEET TITLE :

SITE DETAILS SHEET 2 OF 2

SCALE: AS NOTED

DRAWING NO. C-502 REV. A

K:\2108\2201\Civil\C-501 to C-503.dwg Plotted 5/18/2022 5:01 PM By Trevor Wimberly, P.E.

DESCRIPTION:

PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORMWATER FROM CONCRETE WASTE BY CONDUCTING OFF-SITE WASHOUT, PERFORMING ON-SITE WASHOUT IN A DESIGNATED AREA, AND TRAINING EMPLOYEES AND SUBCONTRACTORS.

TARGETED POLLUTANTS: CONCRETE WASTE

CONSTRUCTION GUIDELINES:

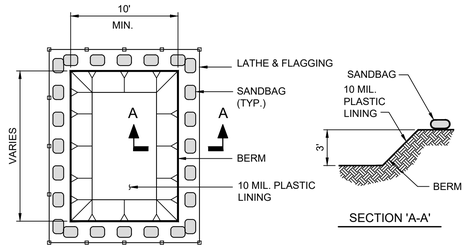
1. AVOID MIXING EXCESS AMOUNTS OF FRESH CONCRETE OR CEMENT ON SITE.
2. PERFORM WASHOUT OF CONCRETE TRUCKS OFF SITE OR IN DESIGNATED AREAS ONLY.
3. DO NOT WASH OUT CONCRETE TRUCKS INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS.
4. AVOID DUMPING EXCESS CONCRETE IN NON-DESIGNATED DUMPING AREAS.

FOR ON-SITE WASHOUT:

1. LOCATE WASHOUT AREA AT LEAST 50 FT FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES. CONSTRUCT A TEMPORARY PIT OR BERMED/DIKED AREA WITH A PAVED OR GRAVEL APPROACH TO CAPTURE LIQUID AND SOLID WASTE.
2. WASH OUT WASTES INTO THE TEMPORARY PIT WHERE THE CONCRETE CAN SET, BE BROKEN UP, AND THEN DISPOSED OF PROPERLY.
3. WHEN WASHING CONCRETE TO REMOVE FINE PARTICLES AND EXPOSE THE AGGREGATE, DRAIN THE WATER TO A BERMED, DIKED OR LEVEL AREA.
4. AVOID WASHING SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE INTO THE STREET OR STORM DRAIN. COLLECT AND RETURN SWEEPINGS TO AGGREGATE BASE STOCKPILE OR DISPOSE IN THE TRASH.
5. TRAIN EMPLOYEES AND SUBCONTRACTORS IN PROPER CONCRETE WASTE MANAGEMENT.

MAINTENANCE:

1. INSPECT SUBCONTRACTORS TO ENSURE THAT CONCRETE WASTES ARE BEING PROPERLY MANAGED. TEMPORARY WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITY MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.
2. IF USING A TEMPORARY PIT, DISPOSE HARDENED CONCRETE ON A REGULAR BASIS. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT SHALL BE BACKFILLED AND REPAIRED.

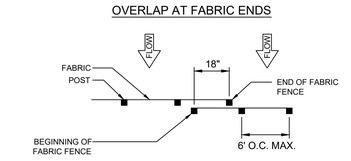


"BELOW GRADE" TYPE
NO SCALE

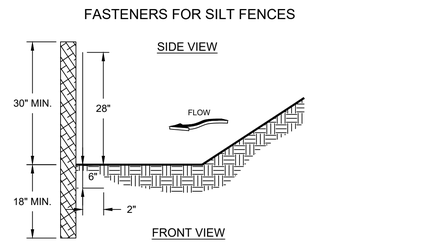
"ABOVE GRADE" TYPE
NO SCALE

NOTES:
1. CONTRACTOR MUST PROVIDE A DESIGNATED AREA FOR CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, AND THE REAR OF THE VEHICLES. THIS AREA MUST HAVE A CONCRETE WASHOUT FACILITY AND SHALL BE CONSTRUCTED PER THE DETAIL SHOWN ABOVE.
2. THE CONCRETE WASHOUT FACILITY SHALL BE LOCATED AT A MINIMUM OF 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES.
3. WASHOUT DISCHARGE FROM THE CLEANING OF CONCRETE TRUCKS, TOOLS AND OTHER EQUIPMENT SHALL BE TRANSPORTED OFF-SITE AND DISPOSED OF PROPERLY.
4. IT IS PROHIBITED TO WASH OUT THE MIXING DRUM OF CONCRETE TRUCKS ON-SITE.
5. ACTUAL LAYOUT CAN BE DETERMINED IN FIELD OR AS-SHOWN IN PLAN.
6. CONCRETE WASHOUT SIGN SHALL BE PROVIDED WITHIN 30' OF THE CONCRETE WASHOUT FACILITY.

CWM — CONCRETE WASTE MANAGEMENT
NO SCALE

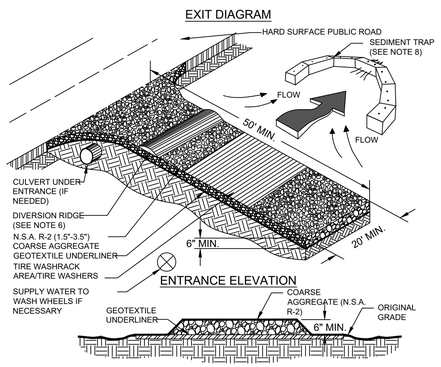


NOTES
1. THE FABRIC AND WIRE SHOULD BE SECURELY FASTENED TO POSTS AND FABRIC ENDS MUST BE OVERLAPPED A MINIMUM OF 18" OR WRAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER AROUND THE INLET.



NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (28") IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

Sd1 — SILT FENCE



NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%..
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

Co — CRUSHED STONE CONSTRUCTION EXIT

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10641 HIGHWAY 36, COVINGTON, GA 30014

PROJECT NAME: **AUGUSTA UNIVERSITY I.T. MODULAR DATA CENTER**

PROJECT LOCATION: 1450 LANEY WALKER BLVD. AUGUSTA, GA 30901

NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION
A	05/18/22	TAW	ISSUED FOR PRICING

PROJECT NO. 2108.2201
DRAWN BY : AWR
CHECKED BY : TAW
DATE: 02/15/2022

SHEET TITLE :
EROSION CONTROL DETAILS

SCALE: AS NOTED
DRAWING NO. **C-503** REV. **A**

K:\21082201\Civil\C-501 to C-503.dwg Plotted:5/18/2022 5:01 PM By:Trevor Wimberly, P.E.

BORDER_JLA24x36.XREF DWG
REV: 10/27/2020 CAD

GENERAL NOTES - STRUCTURAL TESTS & SPECIAL INSPECTIONS (IBC 2018)

GENERAL

1. THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PROJECT INFORMATION FOR THE PLAN READER'S CONVENIENCE. SEE PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

2. ALL REFERENCES TO STANDARDS HEREIN ARE TO MOST RECENT ISSUE IN EFFECT AS OF THE DATE OF THESE DOCUMENTS.

3. DESIGN BASIS: 2018 INTERNATIONAL BUILDING CODE (IBC) WITH (i.e. GA/SC) AMENDMENTS (AND OSHA STANDARD SECTION 1910).
   A. GENERAL
      RISK CATEGORY = IV

   B. WIND:
      ULTIMATE DESIGN WIND SPEED = 126 MPH
      WIND EXPOSURE CATEGORY = B

   C. SEISMIC:
      SEISMIC IMPORTANCE FACTOR Ie = 1.5
      MAPPED SPECTRAL RESPONSE ACCEL. (SHORT PERIODS) Ss = 0.26
      MAPPED SPECTRAL RESPONSE ACCEL. (1 SECOND PERIOD) S1 = 0.10
      SITE CLASS = D
      SPECTRAL RESPONSE COEFFICIENT (SHORT PERIODS) SDS = 0.28
      SPECTRAL RESPONSE COEFFICIENT (1 SECOND PERIOD) SD1 = 0.16
      SEISMIC DESIGN CATEGORY = D
      ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
      PLATFORM AND RAMPS:
      BASIC SEISMIC FORCE RESISTING SYSTEM - SPECIAL REINFORCED CONCRETE SHEAR WALLS
      RESPONSE MODIFICATION FACTOR R = 5.0
      SEISMIC RESPONSE COEFFICIENT Cs = 0.08
      DESIGN BASE SHEAR = 215K

   D. LIVE LOADS:

      PLATFORM: 1000 psf
      RAMP: 1000 psf

   E. SNOW LOAD

      GROUND: 5 psf

4. ABBREVIATIONS:

AB	ANCHOR BOLT	FIN	FINISH	PL	PLATE
ALUM	ALUMINUM	FLG	FLANGE	PLCS	PLACES
B	BOTTOM (BAR)	FLR	FLOOR	PROJ	PROJECTION
B/*	BOTTOM OF *	FS	FAR SIDE	REINF	REINFORCING
BP	BASE PLATE	FTG	FOOTING	REQ'D	REQUIRED
BRG	BEARING	GA	GAGE/GAUGE	SCHD	SCHEDULE
CJ	CONTROL JOINT	HORIZ	HORIZONTAL	SPCS	SPACES
CLR	CLEAR	HR	HANDRAIL	STD	STANDARD
CO	CLEAN OUT	INT	INTERIOR	STL	STEEL
COL	COLUMN	JST	JOIST	SQ	SQUARE
CONC	CONCRETE	Lg	LONG	T	TOP (BAR)
CONT	CONTINUOUS	LG	LIGHT GAGE	T/*	TOP OF *
CSJ	CONSTRUCTION JOINT	LLV	LONG LEG VERTICAL	THK	THICK/THICKNESS
DIA	DIAMETER	MANUF	MANUFACTURER	THRD	THREADED
(E)	EXISTING	MAX	MAXIMUM	TRS	TRUSS
EA	EACH	MIN	MINIMUM	TYP	TYPICAL
EF	EACH FACE	NS	NEAR SIDE	UNO	UNLESS NOTED OTHERWISE
EJ	EXPANSION JOINT	OC	ON CENTER		
EL	ELEVATION	OD	OUTSIDE DIAMETER	VERT	VERTICAL
EQ	EQUAL	OPNG	OPENING	W/*	WITH *
EW	EACH WAY	OPP	OPPOSITE	WD	WOOD
EX	EXISTING	PEMB	PRE-ENGINEERED METAL BUILDING	WP	WORK POINT
EXT	EXTERIOR			WWF	WELDED WIRE FABRIC

5. UNLESS OTHERWISE NOTED, REQUIREMENTS GIVEN FOR ONE LOCATION ALSO APPLY AT OTHER LOCATIONS AT WHICH CONDITIONS ARE SIMILAR. THE REQUIREMENTS GIVEN SHALL BE ADAPTED TO CONDITIONS AT SIMILAR LOCATIONS.

6. COORDINATE WORK OF OTHER TRADES SHOWN ON DRAWINGS WITH STRUCTURAL WORK.

7. SHOP DRAWINGS FOR ANY PART OF THE STRUCTURAL WORK SHALL SHOW THE INTERFACE WITH OTHER RELATED TRADES. THE CONTRACTOR SHALL VERIFY DIMENSIONS, LOCATIONS, MATERIALS, ETC. OF RELATED TRADES BY CERTIFIED MANUFACTURER'S DRAWINGS AND SO INDICATE BEFORE SUBMITTING SHOP DRAWINGS FOR ARCHITECT/ENGINEER'S APPROVAL.

8. THE DESIGN OF THE STRUCTURE SHOWN IS BASED ON INTERACTION OF VARIOUS CONNECTED PARTS AND THE DESIGN LOADS NOTED ABOVE. THE STRENGTH AND STABILITY OF CONSTRUCTION UNDERWAY MAY REQUIRE SUPPLEMENTAL TEMPORARY SUPPORTS, BRACING OR OTHER MEASURES. THE CONTRACTOR SHALL DETERMINE THE NEED OF SUCH TEMPORARY SUPPORT DURING CONSTRUCTION AND PROVIDE ALL SUCH MEASURES.

EARTHWORK/FOUNDATION

1. FOUNDATION DESIGN BASIS: CSRA TESTING & ENGINEERING COMPANY, CSRA REPORT NO. B-009.22. (BASED ON PRESUMPTIVE VALUES OUTLINED IN IBC 2018, SECTION 1806). ALLOWABLE BEARING CAPACITY IS 1,000 PSF, MAXIMUM.

2. NO BLASTING WILL BE ALLOWED.

3. CONTROL OF GROUND WATER, IF REQUIRED, SHALL BE ACCOMPLISHED IN A MANNER THAT WILL PRESERVE THE STRENGTH OF THE FOUNDATION SOILS, WILL NOT CAUSE INSTABILITY OF THE EXCAVATION SLOPES, AND WILL NOT RESULT IN DAMAGE TO EXISTING STRUCTURES.

4. COORDINATE FOUNDATION WORK WITH ALL OTHER TRADES.

5. PIPES AND OTHER WORK WHICH REQUIRE EXCAVATING OR TRENCHING ADJACENT TO COLUMN FOOTINGS OR PARALLEL TO WALL FOOTINGS, SHALL NOT BE LOCATED BELOW LINES EXTENDING DOWNWARD FROM THE BOTTOM EDGE OF THE FOOTING AT A 45 DEGREE ANGLE FROM HORIZONTAL.

6. EXCAVATIONS FOR FOOTINGS, GRADE BEAMS, MATS AND OTHER FOUNDATIONS BUILT NEXT TO OR AROUND EXISTING FOUNDATIONS, SHALL NOT EXTEND BELOW THE BOTTOM SURFACE OF THE EXISTING FOOTING UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DESIGN DRAWINGS. HOLES ADJACENT TO EXISTING FOOTINGS (CLOSER TO THE FOOTING EDGE THAN THE HOLE DEPTH) CAN NOT BE OVER-EXCAVATED AND FILLED TO ACCOUNT FOR BAD SOIL UNLESS SPECIFICALLY APPROVED BY THE ENGINEER OF RECORD.

7. ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS INCLUDING ELEVATION, SIZE AND THICKNESS OF FOUNDATIONS SHALL BE INDICATED BY THE GENERAL CONTRACTOR ON THE REINFORCING SHOP DRAWINGS. SUCH PROPOSED DEVIATIONS SHALL BE CIRCLED AND NOTED "ENGINEER VERIFY".

8. STRUCTURAL FILL SHALL BE PLACED IN LIFTS NO MORE THAN 8" THICK WITH A COMPACTION OF 95% STANDARD PROCTOR (PER ASTM D-698) MAXIMUM DRY DENSITY.

CONCRETE

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 318-14, AND THE FOLLOWING:

   A. CONCRETE STRENGTHS AND MIXES SHALL BE AS FOLLOWS:

STRENGTH(PSI)	AIR(%)	CEMENT	W/C RATIO	SLUMP	AGGREGATE(MAX.)	LOCATION
2,000	**	TYPE I/II	-	-	-	CONDUIT ENCASEMENT AND BACKFILL BELOW FOOTINGS
3,000	**	TYPE I/II	0.52	4" +/- 1"	3/4"	EQUIP. PADS, SPREAD FOOTINGS, WALL FOOTINGS, SHEAR WALLS, AND STAIR PAN FILL
4,000	**	TYPE I/II	0.48	4" +/- 1"	3/4"	SLAB ON GRADE

   ** NATURALLY ENTRAPPED AIR ONLY UNLESS CONCRETE IS EXPOSED TO FREEZE/THAW. USE 4% TO 6% ENTRAINED AIR UNDER FREEZE/THAW CONDITION.

   *** MAXIMUM AGGREGATE SIZE TO BE 3/8".

   B. FLY ASH PER ASTM C618, TYPE C OR F WILL BE PERMITTED PROVIDED THE FOLLOWING LIMITS ARE MET:

      1. THE QUANTITY OF CEMENT REPLACED SHALL BE NO MORE THAN 20%.

      2. CEMENT SHALL BE REPLACED BY FLY ASH AT THE RATE OF 1.25 LBS. OF FLY ASH TO 1.0 LBS OF CEMENT.

   C. ALL CONCRETE DELIVERED TO THE SITE SHALL HAVE A COMPUTER BATCH WEIGHT TICKET. THE BATCH TICKET SHALL SHOW WEIGHTS OF ALL MATERIALS, VOLUME OF CONCRETE AND TIME BATCHED. THE BATCH WEIGHT TICKET SHALL BE GIVEN TO A DESIGNATED OWNER'S REPRESENTATIVE ON SITE AT THE TIME OF DELIVERY FOR VERIFICATION OF MIX PROPORTIONS.

   D. CONSOLIDATE ALL CONCRETE IN FORMS AND TRENCHES WITH VIBRATORS. POORLY CONSOLIDATED CONCRETE WILL BE REJECTED AND REPLACED AT CONTRACTOR'S EXPENSE.

2. CONCRETE JOINTS

   A. PROVIDE CONCRETE JOINTS IN THE SLAB WHERE SHOWN ON THE PLAN.

   B. PROVIDE A VERTICAL CONTROL JOINT IN THE WALLS FROM THE TOP OF THE FOOTING TO TOP OF THE WALL. LOCATE VERTICAL JOINTS WHERE THE WALL MEETS A JOINT IN THE SLAB AND AT A DISTANCE OF 5'-0" FROM A WALL CORNER.

3. CONCRETE REINFORCING

   A. ALL REINFORCING SHALL BE PER ASTM A-615, GRADE 60.

   B. WELDING OF REINFORCING STEEL IS NOT PERMITTED.

   C. REINFORCING SHALL NOT BE HEATED TO BEND.

   D. WELDED WIRE FABRIC SHALL BE PER ASTM A-185.

3. SUBMITTALS

   A. CONCRETE MIX DESIGNS; SHOP DRAWINGS FOR CONCRETE REINFORCING, EMBEDDED ITEMS; ACCESSORIES; AND PRODUCT DATA, ETC. SHALL BE PROVIDED TO THE OWNER'S REPRESENTATIVE AT LEAST 15 DAYS PRIOR TO THE START OF WORK FOR APPROVAL.

   B. ALL DATA SHALL BE SUBMITTED "CONTRACTOR APPROVED".

4. NOTIFICATIONS: THE CONTRACTOR SHALL NOTIFY THE OWNER.

   A. WHEN EXCAVATION TO REQUIRED SUBGRADE ELEVATIONS IS REACHED.

   B. 24 HOURS PRIOR TO ANY SCHEDULED CONCRETE PLACEMENT FOR INSPECTION OF FORMWORK, REINFORCING AND EMBEDDED ITEMS.

1704 SPECIAL INSPECTIONS

THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

1704.2.3 STATEMENT OF SPECIAL INSPECTIONS

THE PROVISIONS AS OUTLINED ON THESE DESIGN DOCUMENTS DEFINE THE STRUCTURAL SPECIAL INSPECTIONS APPLICABLE TO THE PROJECT. THE STATEMENT OF SPECIAL INSPECTIONS AS REQUIRED BY THE LOCAL JURISDICTION FOR PERMIT APPLICATIONS IS TO BE PREPARED USING THE INFORMATION PRESENTED HERE.

1704.2.4 REPORT REQUIREMENTS

SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.

1704.2.5 INSPECTION OF FABRICATORS

MATERIAL/ACTIVITY	SERVICE	EXTENT
VERIFY FABRICATION/QUALITY CONTROL PROCEDURES	IN PLANT REVIEW	PERIODIC

1704.4 CONTRACTOR RESPONSIBILITY

EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A WIND AND/OR A SEISMIC-FORCE-RESISTING SYSTEM, DESIGNATED WIND AND/OR SEISMIC SYSTEM, OR COMPONENT LISTED IN THE QUALITY ASSURANCE PLAN SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND TO THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE QUALITY ASSURANCE PLAN.

1705.1.1 SPECIAL CASES

MATERIAL/ACTIVITY	SERVICE	EXTENT
(WORK UNUSUAL IN NATURE, INCLUDING BUT NOT LIMITED TO ALTERNATIVE MATERIALS AND SYSTEMS, UNUSUAL DESIGN APPLICATIONS, MATERIALS AND SYSTEMS WITH SPECIAL MANUFACTURER'S REQUIREMENTS)	SUBMITTAL REVIEW, SHOP AND/OR FIELD INSPECTION	

1705.3 CONCRETE CONSTRUCTION

MATERIAL/ACTIVITY	SERVICE	EXTENT
INSPECTION OF REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFICATION OF PLACEMENT	SHOP AND FIELD INSPECTION	PERIODIC
REINFORCING BAR WELDING:		
A. VERIFICATION OF WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	SHOP AND FIELD INSPECTION	PERIODIC
B. INSPECTION OF SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND	SHOP AND FIELD INSPECTION	PERIODIC
C. INSPECTION OF ALL OTHER WELDS	SHOP AND FIELD INSPECTION	CONTINUOUS
INSPECTION OF ANCHORS CAST IN CONCRETE	SHOP AND FIELD INSPECTION	PERIODIC
INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS:		
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	SHOP AND FIELD INSPECTION	CONTINUOUS
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN "A"	SHOP AND FIELD INSPECTION	PERIODIC
VERIFICATION OF USE OF REQUIRED DESIGN MIX	SHOP AND FIELD INSPECTION	PERIODIC
PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	SHOP AND FIELD INSPECTION	CONTINUOUS
INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	SHOP AND FIELD INSPECTION	CONTINUOUS
VERIFICATION OF MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	SHOP AND FIELD INSPECTION	PERIODIC
VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS	SHOP AND FIELD INSPECTION	PERIODIC
INSPECTION OF FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	SHOP AND FIELD INSPECTION	PERIODIC

1705.6 SOILS (STRUCTURAL) SEE CIVIL FOR MASS GRADING AND OUTSIDE BLDG LIMITS

MATERIAL/ACTIVITY	SERVICE	EXTENT
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	FIELD INSPECTION	PERIODIC
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	FIELD INSPECTION	PERIODIC
PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS	FIELD INSPECTION	PERIODIC
VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL	FIELD INSPECTION	CONTINUOUS
PRIOR TO PLACEMENT OF CONTROLLED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	FIELD INSPECTION	PERIODIC

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PROJECT LOCATION: 1450 LANEY WALKER BLVD. AUGUSTA, GA 30901

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REV	DATE	BY	DESCRIPTION
A	05/18/22	MWL	ISSUED FOR PRICING

PROJECT NO.	2108.2201
DRAWN BY :	THW
CHECKED BY :	MWL
DATE:	02/15/2022
SHEET TITLE :	STRUCTURAL GENERAL NOTES
SCALE:	AS NOTED
DRAWING NO.	S-001
REV.	A

LEGEND:

C.J. - CONTROL JOINT (SEE SECT. #/S#-#)

CSJ - CONSTRUCTION JOINT (SEE SECT. #/S#-#)

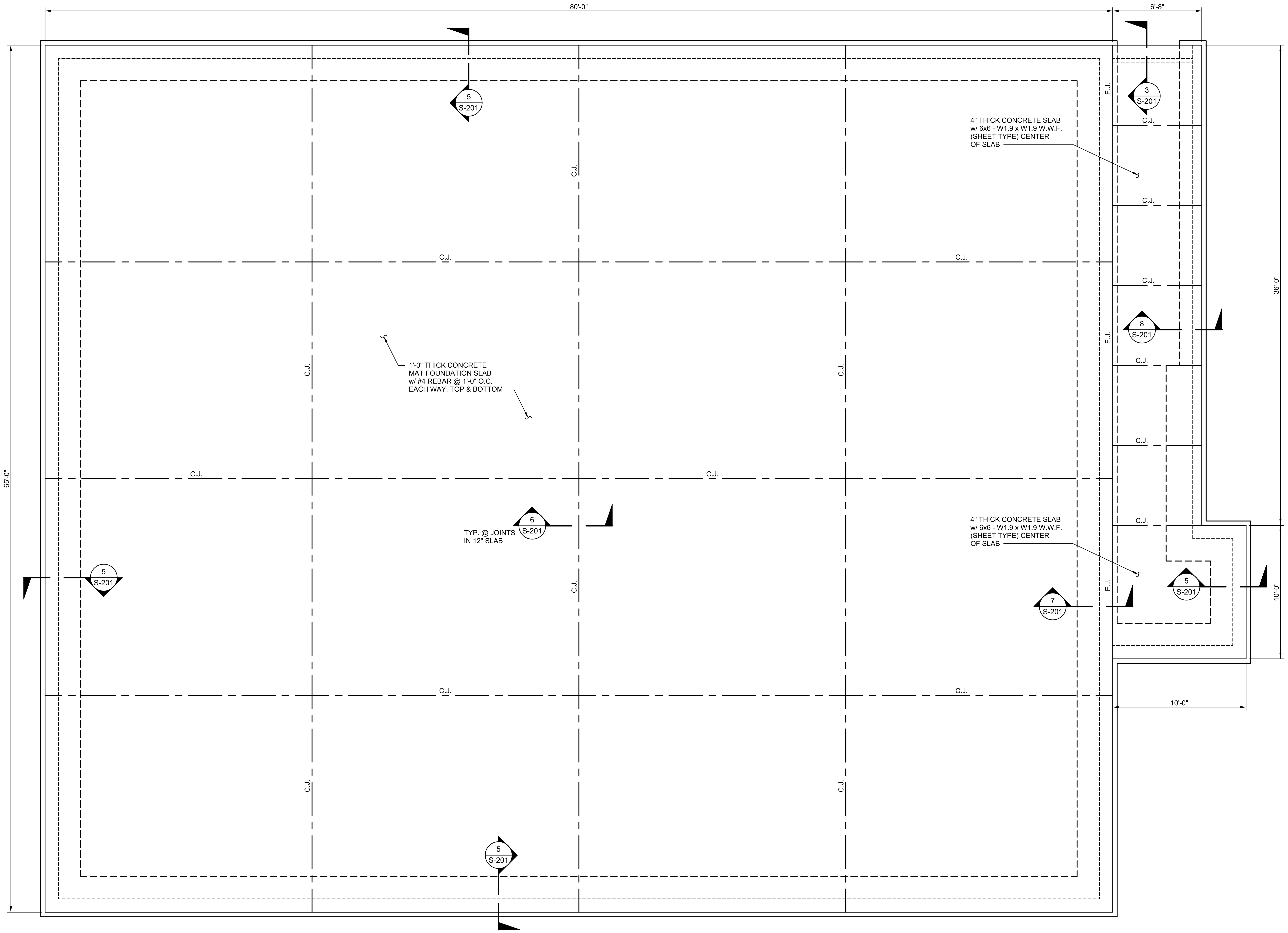
E.J. - 1/2" EXPANSION JOINT (SEE SECT. #/S#-#)

- FOOTING STEP (SEE DET. #/S#-#)

4/48 - DENOTES REBAR SIZE & SPACING. SEE PLAN

- 2-#4's x 4'-0" LG. (TYP. U.N.O.)

TYP. U.N.O. - TYPICAL UNLESS NOTED OTHERWISE



1 S-101 FOUNDATION AND SLAB PLAN

SCALE: 1/4" = 1'-0"

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0 .5 1 2 4 8 12 FT.

SCALE: 1/4" = 1'-0"

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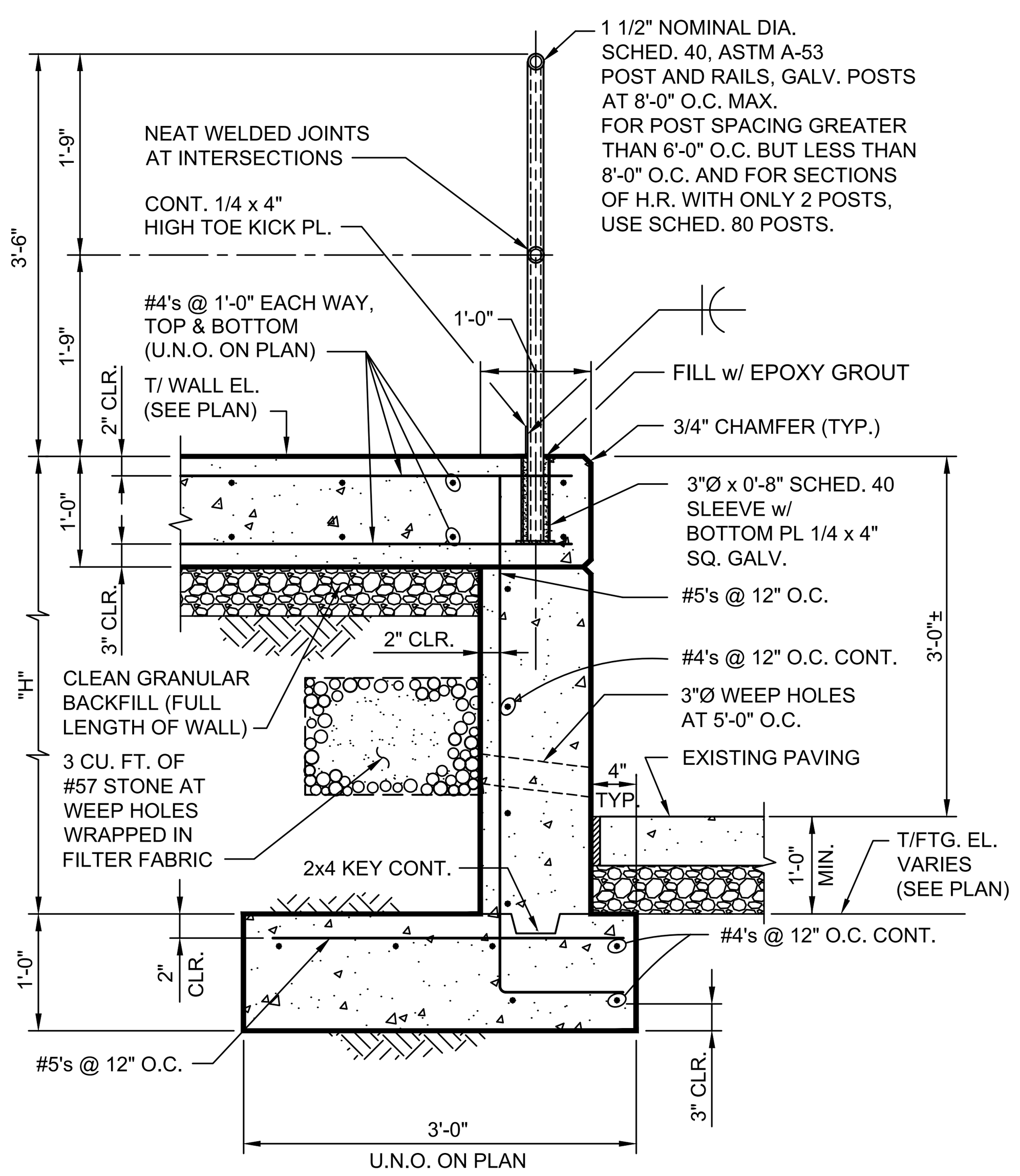
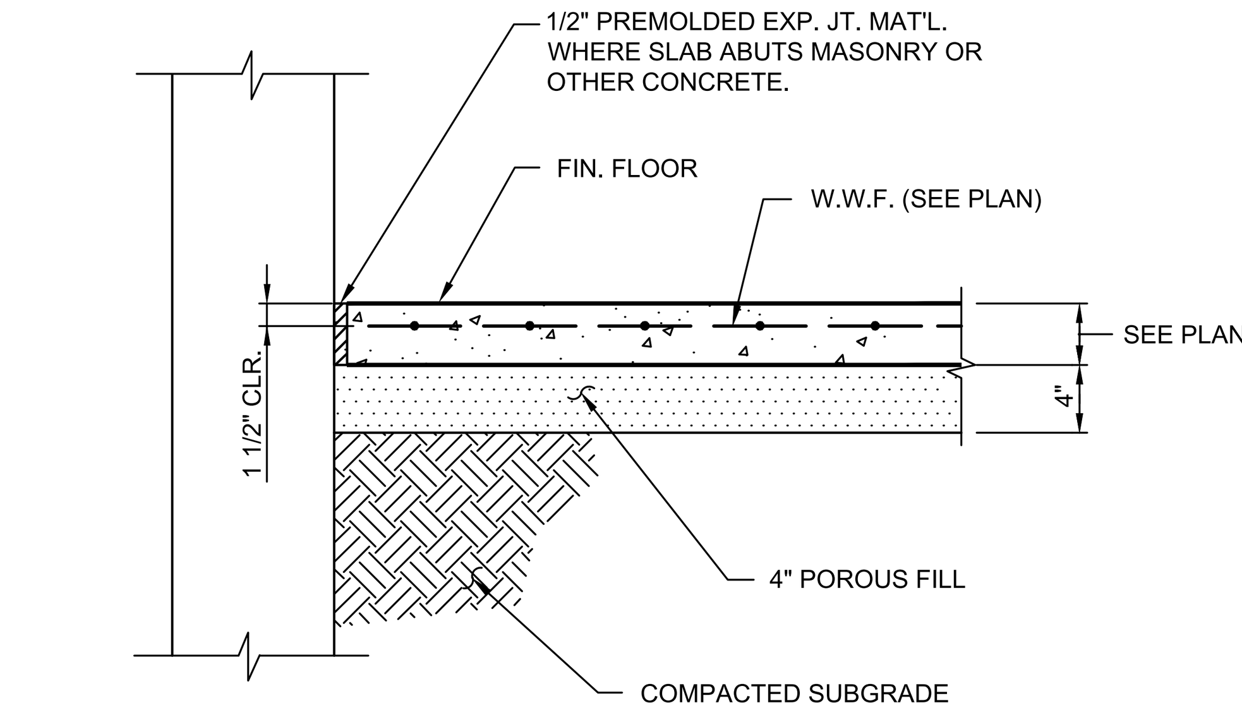
FOUNDATION AND SLAB PLAN

SCALE: AS NOTED

DRAWING NO. S-101 REV. A



5
S-201
SECTION
NO SCALE



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S-201
SECTION
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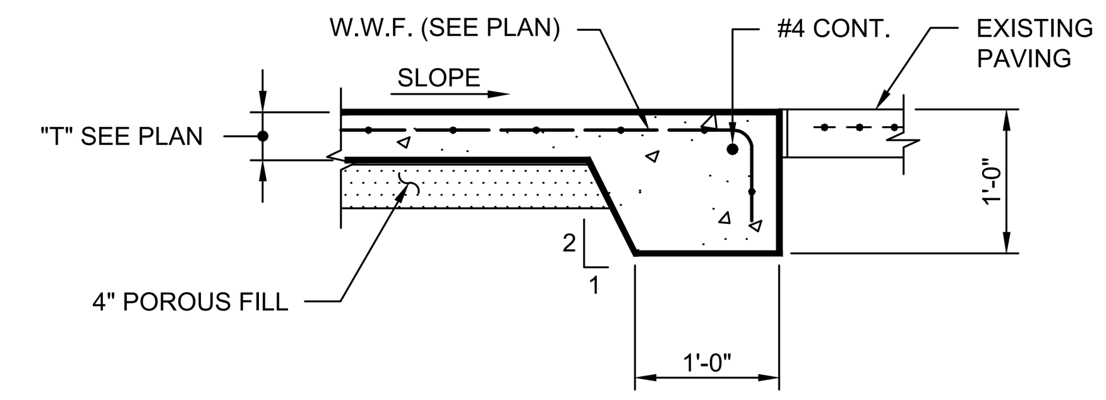

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SECTION
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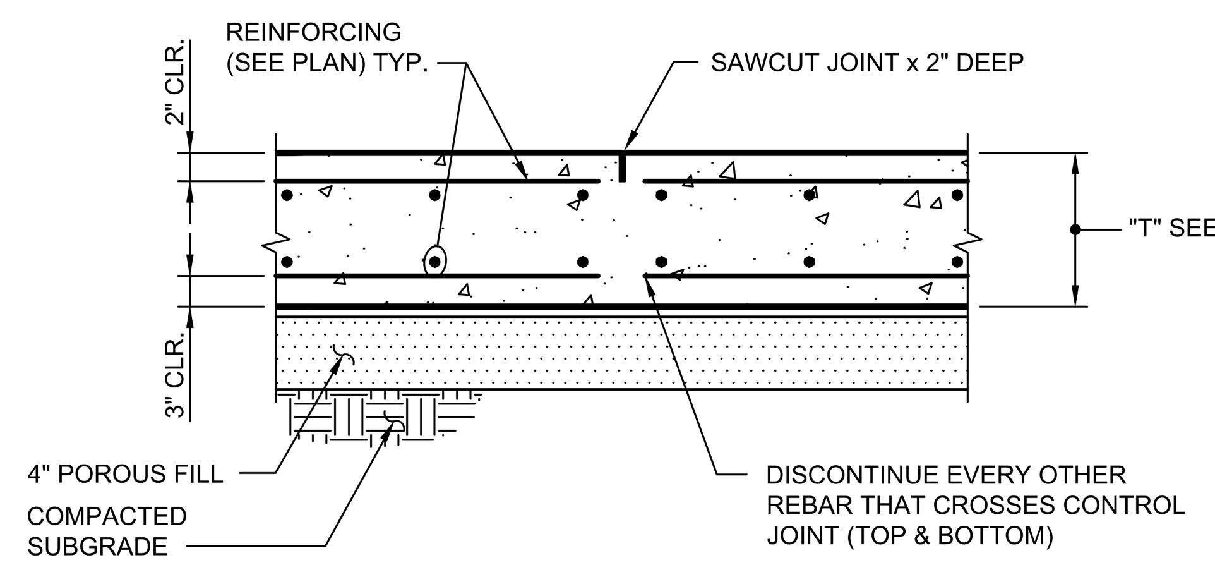
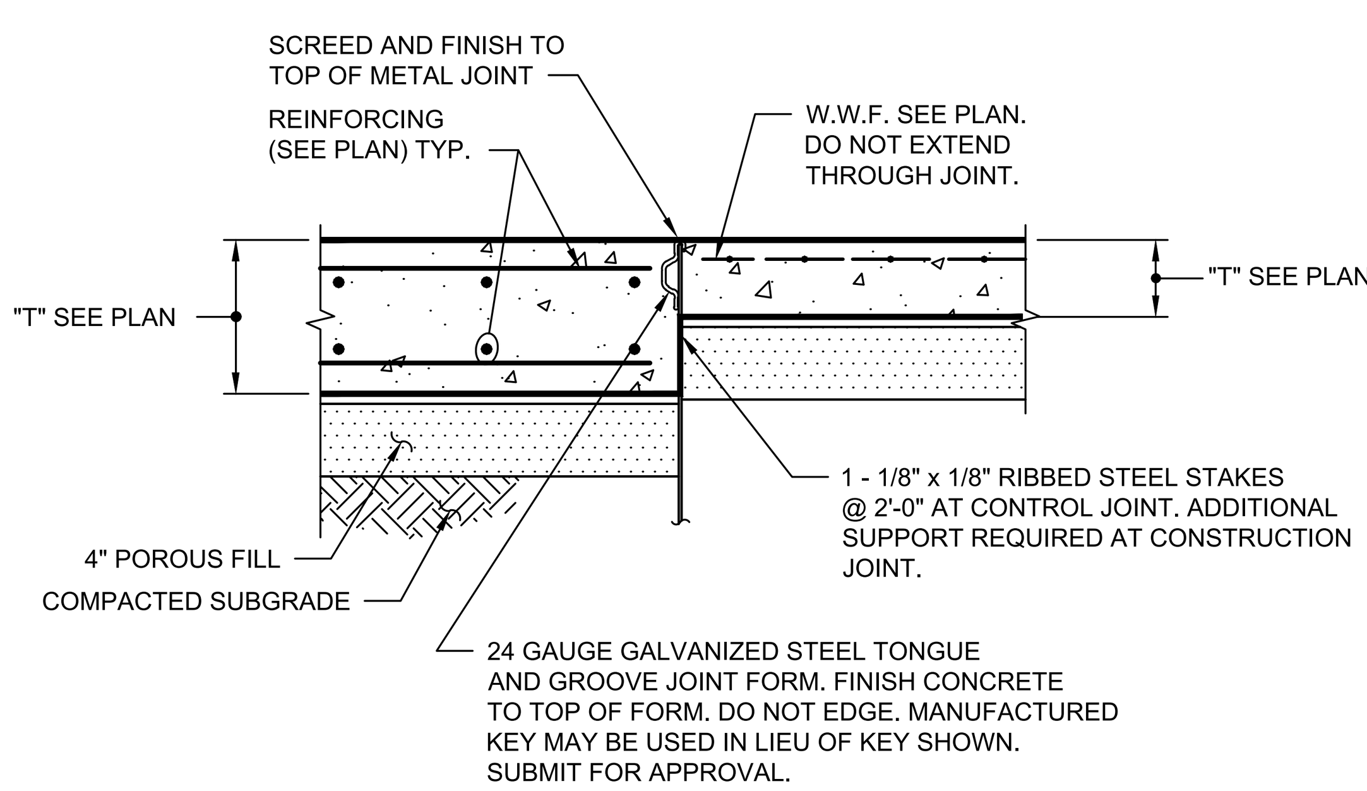


NOTES:

1. A CONSTRUCTION JOINT RESULTS WHEN CONCRETE IS PLACED ON ONLY ONE SIDE OF THE JOINT TO END A DAY'S "PLACEMENT" OR TO ACCOMMODATE A DELAY IN PLACING SEQUENCE. KEY SHALL BE REMOVED BEFORE CONTINUING FUTURE SLAB PLACEMENT.
2. WHEN CONCRETE IS PLACED ON BOTH SIDES A CONTROL JOINT IS FORMED. CONTROL JOINTS MAY BE SAW CUT TO A MINIMUM DEPTH OF "T"/4 AT CONTRACTORS OPTION. W.W.F. SHALL BE DISCONTINUOUS ACROSS SAW CUT JOINT.

(SLABS LESS THAN 6" THICK)

6
S-201
SECTION
NO SCALE



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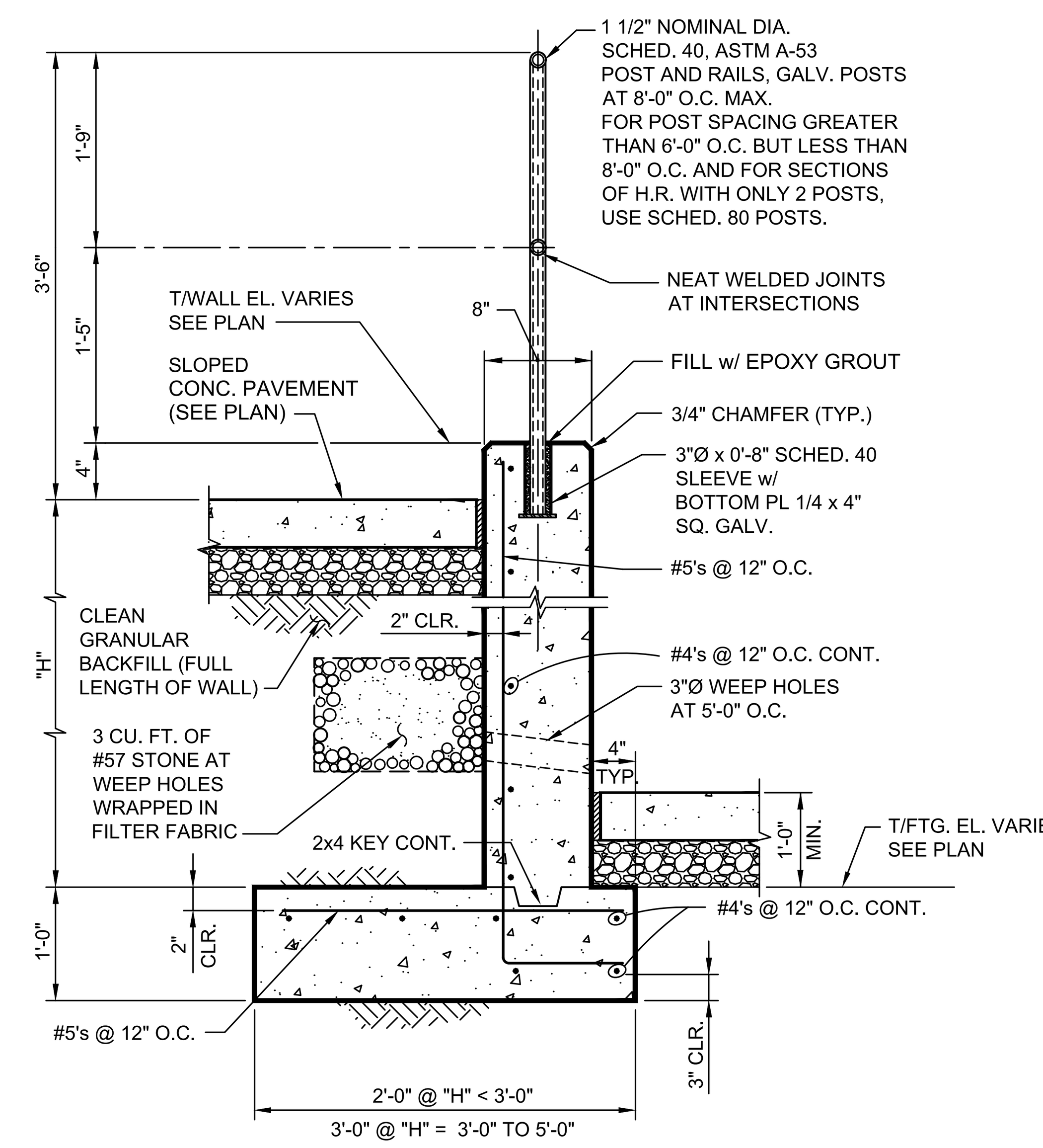
(SLABS LESS THAN 6" THICK)

7
S-201
SECTION
NO SCALE



8
S-201
SECTION
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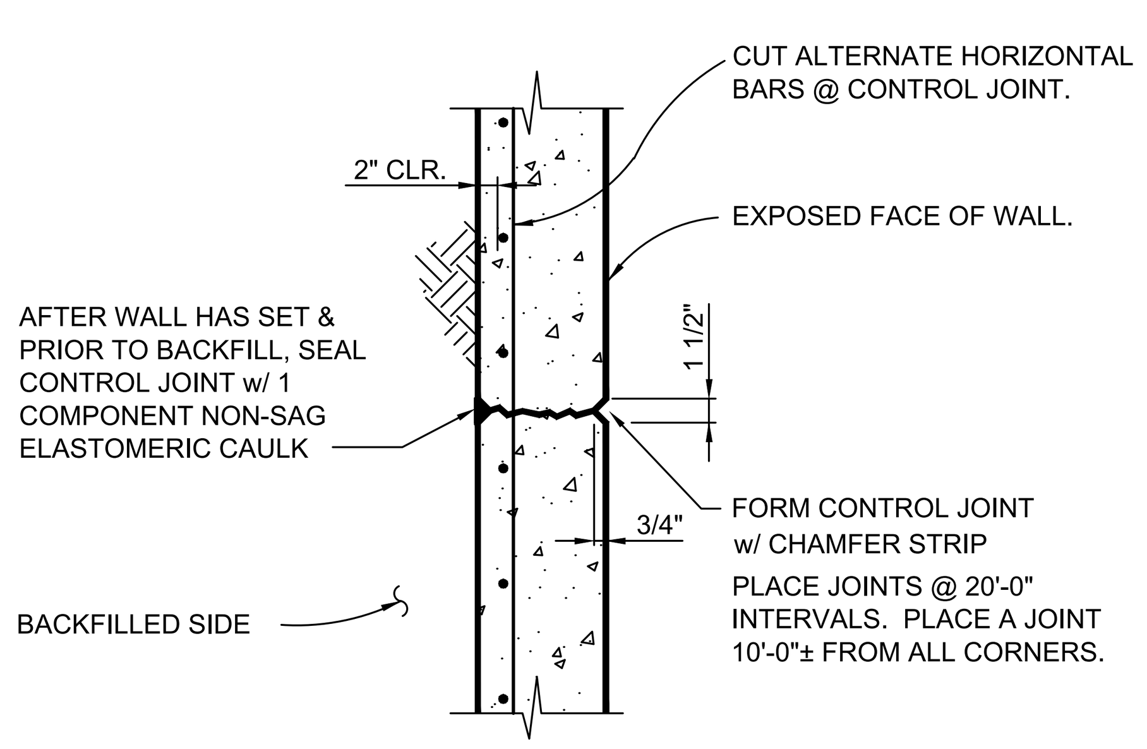

VERTICAL CONTROL JOINT
(PLAN VIEW)

5
S-201
SECTION
NO SCALE

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CONCRETE SECTIONS AND DETAILS

SCALE: AS NOTED
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REV. A