

# ARKANSAS STATE VETERANS CEMETERY - BIRDEYE REBID

SITE DEVELOPMENT PLANS - PHASE 2

3600 HWY 163, BIRDEYE, ARKANSAS

FAI AR-21-08

DBA PROJECT #3852301

100% CONSTRUCTION DOCUMENTS

June 18, 2023

STATE OF ARKANSAS

DEPEARTMENT OF VETERANS AFFAIR

501 WOODLANE DRIVE, SUITE 401N, LITTLE ROCK, ARKANSAS 72201

GOVERNOR:

SARAH HUCKABEE SANDERS

SECRETARY:

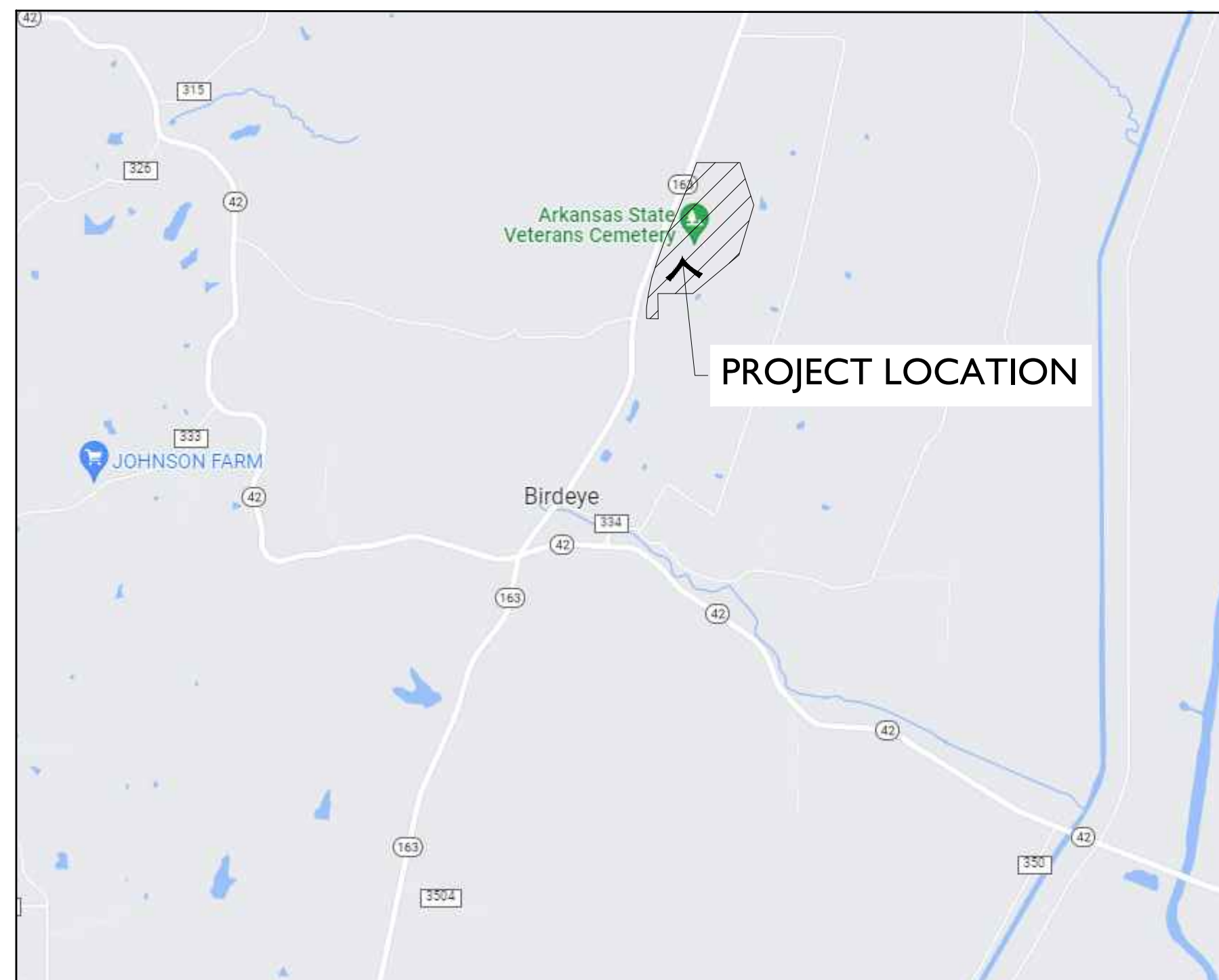
KENDALL W. PENN

ASSITANT DIRECTOR OF VETERAN CEMETERIES:

DARRELL MCGHEE

BIRDEYE CEMETERY ADMINISTRATOR:

MARY ANNE PARKER



VICINITY MAP  
NOT TO SCALE

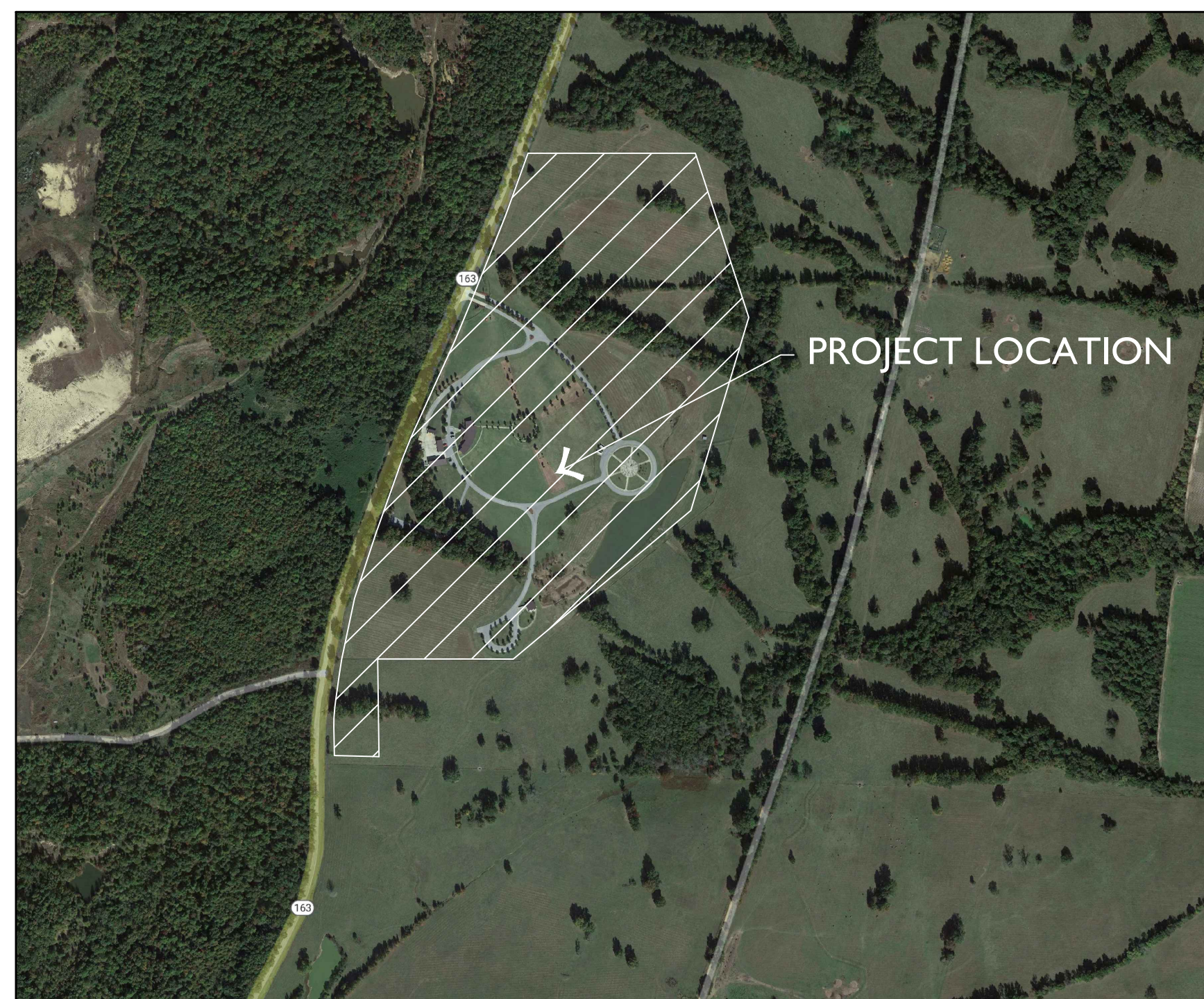


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**ELECTRICAL ENGINEER:**  
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SCOTT GEURIN, PE  
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LITTLE ROCK, ARKANSAS 72223  
501-448-0100



AERIAL MAP  
NOT TO SCALE



#### PROJECT INFORMATION:

OVERALL SITE AREA:  
99.14 ACRES  
PHASE TWO SITE AREA:  
4.35 ACRES

- SCOPE ITEMS:
- 646 DOUBLE DEPTH PRE-PLACED CRYPTS
  - 14 OVERSIZED VAULTS
  - ADMINISTRATION AND MAINTENANCE BUILDING ENHANCEMENTS
  - COMMITTAL SHELTER ENHANCEMENTS
  - ROADWAY ENHANCEMENTS
  - STORMWATER MITIGATION ENHANCEMENTS
  - SUBSURFACE DRAINAGE ENHANCEMENTS
  - ACCESSIBILITY ENHANCEMENTS

#### INTERMENT/INTERMENT SUMMARY:

PHASE TWO - 669  
654 - DOUBLE DEPTH PRE PLACED CRYPTS  
15 - OVERSIZED VAULTS

#### FLOOD NOTE:

THIS PROJECT IS NOT LOCATED WITHIN A FLOOD ZONE PER FEMA FLOOD HAZARD BOUNDARY MAP PAGE 2 OF 9 OF COMMUNITY-PANEL NUMBER 050056 0002 B. MAP REVISED FEBRUARY 20, 1979. CONVERTED BY LETTER EFFECTIVE 6/1/87.

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C2.00	OVERALL UTILITY PLAN		
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C2.06	UTILITY PLAN		
LANDSCAPE ARCHITECTURE SHEETS			
L1.00	OVERALL LANDSCAPE PLAN	L1.08	LANDSCAPE PLAN
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GENERAL NOTES:

- EXISTING SURVEY DATA WAS OBTAINED FROM A TOPOGRAPHIC & BOUNDARY SURVEY PERFORMED BY RIDGE SURVEYING AND RECEIVED JAN.18, 2022.
- SURVEY DATA IS BASED UPON NAD 83, STATE STATE PLANE, ARKANSAS NORTH FEET COORDINATE SYSTEM.
- ELEVATIONS ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM.
- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY, COUNTY, STATE, AND FEDERAL REGULATIONS AND CODES AS WELL AS OSHA STANDARDS. SITE CONTRACTOR SHALL MEET OR EXCEED ALL LOCAL, STATE, AND FEDERAL EROSION CONTROL MEASURES
- THE APPROXIMATE LOCATION OF KNOWN UTILITIES & SUBSURFACE STRUCTURES AS SHOWN HEREON ARE BASED ON ABOVE-GROUND VISIBLE STRUCTURES & RECORD DRAWINGS PROVIDED. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF THESE & ALL OTHER SUBSURFACE AND/OR LATENT FACILITIES PRIOR TO BEGINNING WORK. ALL REPAIRS OR RELOCATIONS NECESSARY SHALL BE MADE AS REQUIRED BY THE OWNER OF THE UTILITY OR STRUCTURE & THE COST OF SUCH REPAIRS NECESSARY SHALL BE BORNE BY THE CONTRACTOR.
- ALL WORK PERFORMED WITHIN THE RIGHT-OF-WAY SHALL BE COORDINATED WITH THREE LOCAL JURISDICTION'S ENGINEERING DEPARTMENT AND TRAFFIC DEPARTMENT.
- ALL STREETS, DRIVES, WALKS, DRAINAGE STRUCTURES, FENCES, ETC. THAT ARE DISTURBED SHALL BE RESTORED TO THEIR ORIGINAL OR BETTER CONDITION USING LIKE MATERIALS. COST OF SUCH REPAIRS SHALL BE BORNE BY THE CONTRACTOR UNLESS PROVISION FOR PAYMENT IS MADE IN THE PROPOSAL.
- THE CONTRACTOR IS REQUIRED TO NOTIFY THE ONE CALL CENTER AT 1-800-482-8998 48 HOURS PRIOR TO DIGGING IN ORDER THAT UNDERGROUND UTILITIES IN THE AREA CAN BE LOCATED.
- THE CONTRACTOR SHALL NOT BEGIN WORK UNTIL THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN IMPLEMENTED, AND THE SWPPP, EROSION CONTROL PLAN, AND SIGNED AUTOMATIC NOTICE OF COVERAGE IS POSTED ON SITE..
- CONTRACTOR IS RESPONSIBLE FOR ALL FIELD TESTING AS DESCRIBED IN THE SPECIFICATIONS (INCLUDING BUT NOT LIMITED TO COMPACTION DENSITY TESTING, ETC.), AND SHALL PROVIDE RESULTS TO ENGINEER, AND MAINTAIN RECORDS AND RESULTS OF ALL TESTS PERFORMED DURING CONSTRUCTION. TESTING BY THE CONTRACTOR SHALL BE INCLUDED IN THE BID.
- EXISTING FACILITIES AND FEATURES ARE SHOWN LIGHT-LINED AND/OR SCREENED. NEW FACILITIES AND FEATURES ARE SHOWN SOLID AND HEAVY-LINED.
- SLOPES AND GRADES SHOWN ARE IN UNITS OF FT/FT UNLESS OTHERWISE NOTED.
- ALL PAVEMENT AND CURB MEASUREMENTS ARE TAKEN FROM FACE OF CURB OR EDGE OF PAVEMENT.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

DEMOLITION NOTES:

- DEMOLITION SHALL NOT BEGIN UNTIL THE APPROPRIATE EROSION CONTROL MEASURES AND REQUIRED TREE PRESERVATION FENCING HAVE BEEN INSTALLED.
- CONTRACTOR SHALL FOLLOW ALL FEDERAL, STATE, AND LOCAL CODES FOR DEMOLITION AND DISPOSAL OF ALL MATERIALS.
- CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTY IS NOT DAMAGED.
- CONTRACTOR SHALL COORDINATE WILL ALL UTILITY COMPANIES REGARDING RELOCATION, REMOVAL, AND/OR DISCONNECTION.
- CONTRACTOR SHALL PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC.
- CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY UNDERGROUND TANKS ARE FOUND ON SITE.
- ALL TREES (EXCEPT THOSE SHOWN TO BE PROTECTED) AND VEGETATION WITHIN THE CLEARING AND GRADING LIMITS SHALL BE CLEARED AND GRUBBED INCLUDING TREE ROOT SYSTEMS. ALL DEBRIS IS TO BE REMOVED FROM THE SITE.
- STRIP TOPSOIL AND STOCKPILE IN THE DESIGNATED AREA FOR FUTURE USE.
- LARGE ROCKS AND BOULDERS SHALL BE REMOVED AND DISPOSED FROM THE SITE.

STREET CONSTRUCTION (GRADING) AND EARTHWORK NOTES:

- THE ENGINEER SHALL BE NOTIFIED 24 HOURS PRIOR TO PLACEMENT OF ANY FILL MATERIAL, INSTALLATION OF STORM DRAINAGE PIPE, DRAINAGE STRUCTURES, CURB AND GUTTER, OR PLACEMENT OF CRUSHED STONE OR ASPHALT.
- CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT PERFORM EARTHWORK IN ACCORDANCE WITH THE RECOMMENDATIONS IN SAID REPORT.
- THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER TO INSPECT THE SUBGRADE PRIOR TO PLACING FILL.
- FILL AND BACKFILL SHALL BE PLACED IN HORIZONTAL, NOMINAL 6- TO 8-IN THICK LOOSE LIFTS. EACH LIFT SHALL BE TESTED AND APPROVED PRIOR TO PLACING SUBSEQUENT LIFTS.
- THE SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. PRIOR TO PLACING THE CRUSHED STONE BASE COURSE THE SUBGRADE SHALL BE PROOF ROLLED, AND MUST BE VERIFIED TO CONFORM TO THE GRADES AND SLOPES SHOWN ON THE DRAWINGS.
- ALL MUD SOIL AND LOOSE GRAVEL SHALL BE REMOVED FROM THE CRUSHED STONE BASE AND CONCRETE CURB PRIOR TO PLACEMENT OF ASPHALT.
- THE CONTRACTOR SHALL PROVIDE APPROPRIATE ADVANCED WARNING DEVICES, BARRICADES, BARRELS, AND OTHER MEASURES AS NEEDED TO PROPERLY CONTROL AND ADVISE TRAFFIC OF CONSTRUCTION EQUIPMENT.
- THE CONTRACTOR SHALL REPAIR ANY DAMAGE THE CONSTRUCTION ACTIVITY OR HAULING OF MATERIAL MAY HAVE ON THE EXISTING STREETS AND/OR ACCESS ROADS.
- COORDINATE WORK WITH OWNER TO MINIMIZE THE EFFECTS OF CONSTRUCTION ON DAILY OPERATIONS OF THE FACILITY.
- COORDINATE ALL DEMOLITION WORK WITH OWNER. VERIFY OWNER DOES NOT WISH TO RETAIN MATERIAL BEFORE IT IS REMOVED AND DISPOSED.
- ALL CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE DESIGNATED AREAS SHOWN ON THE PLANS. ALL AREAS OUTSIDE OF THOSE LIMITS SHALL BE PROTECTED AND MAINTAINED.
- GRADING SHALL BE LIMITED TO THE EXTENT OF THE PROPOSED CONTOURS AND SPOT GRADES SHOWN ON THE PLANS.
- ALL CUT AND/OR FILL SLOPES SHALL BE A MAXIMUM 3H:1V SLOPE OR FLATTER UNLESS OTHERWISE NOTED.
- ALL STORM DRAINAGE PIPE CONNECTIONS TO STRUCTURES SHALL BE GROUTED TO PROVIDE A WATERTIGHT CONNECTION AT THE STRUCTURE.
- ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES INSTALLED IN PAVED AND TRAFFIC AREAS SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND INSTALLED IN ACCORDANCE TO MANUFACTURER'S RECOMMENDATIONS FOR H20 LOADING.
- ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH THE PAVEMENT AND SHALL HAVE TRAFFIC BEARING RINGS AND COVERS.
- THE EARTHWORK FOR ALL BUILDING FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH ARCHITECTURAL OR STRUCTURAL ENGINEERING PLANS AND SPECIFICATIONS.

GENERAL EROSION CONTROL NOTES:

- SITE CONTRACTOR IS RESPONSIBLE FOR INSTALLING, MONITORING, AND MAINTAINING ALL EROSION & SEDIMENT CONTROL BMPS.
- SITE CONTRACTOR IS RESPONSIBLE TO KEEP AND UPDATE ALL STORM EVENT LOG BOOKS.
- THE CONTRACTOR SHALL IMPLEMENT AN EROSION CONTROL PLAN TO PREVENT MUD, SEDIMENT, AND CONSTRUCTION MATERIALS FROM BEING WASHED OR TRACKED OFF SITE ONTO ADJACENT PROPERTY. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE APPROVED ADEQ CONSTRUCTION STORMWATER PERMIT AND MAINTAIN THE STORMWATER POLLUTION PREVENTION PLAN AT ALL TIMES.
- THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IS COMPRISED OF THIS DRAWING (SITE MAP), THE EROSION CONTROL DETAILS, THE PLAN NARRATIVE, ATTACHMENTS INCLUDED IN THE TEMPORARY EROSION CONTROL SECTION OF THE SPECIFICATIONS, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
- EROSION CONTROL DEVICES SHALL BE INSTALLED AS THE PROJECT PROGRESSES AND AREAS ARE DISTURBED.
- THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- BEST MANAGEMENT PRACTICES AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, AND OR LOCAL MANUAL OF PRACTICE, AND THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECT BY THE PERMITTING AGENCY OR OWNER.
- THIS EROSION CONTROL PLAN MAY BE REVISED BY ADDING OR DELETING EROSION CONTROL DEVICES AS DIRECTED BY THE ENGINEER.
- THE LOCATIONS OF THESE EROSION CONTROL DEVICES MAY BE CHANGED IF SITE CONDITIONS WARRANT TO PREVENT EROSION.
- ALL WASH WATER (CONCRETE TRUCKS, VEHICLE AND EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- ALL INLETS ON AND ADJACENT TO THE SITE SHALL BE PROTECTED FROM SEDIMENT.
- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- PERFORM EQUIPMENT AND VEHICLE MAINTENANCE ONLY IN DESIGNATED AREAS. USE DRIP PANS UNDER EQUIPMENT.
- INSPECT ALL EROSION CONTROL DEVICES WEEKLY AND FLOWING RAINFALL EVENTS OF 0.5 INCHES THROUGHOUT THE DURATION OF THIS PROJECT AND UNTIL PERMANENT VEGETATION IS ESTABLISHED.
- ALL DISTURBED AREAS LEFT IDLE FOR A PERIOD OF 14 DAYS OR LONGER ARE TO RECEIVE TEMPORARY VEGETATION AND MULCHED.
- DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND/OR OTHER PETROLEUM-BASED, OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATION IS PROHIBITED.
- SOLID WASTE (INCLUDING TRASH AND DEBRIS) MUST BE DISPOSED OF PROPERLY, AND HAZARDOUS MATERIALS (INCLUDING OIL, GASOLINE, AND PAINT) MUST BE PROPERLY STORED (WHICH INCLUDES SECONDARY CONTAINMENT). PROPERLY MANAGE PORTABLE SANITARY FACILITIES.
- USE DRY CLEANUP METHODS TO COLLECT LITTER AND ABSORB ANY LIQUID WASTES PRIOR TO ANY PRESSURE WASHING. THESE INCLUDE USING ABSORBENTS (RAGS, SAND, ETC.), SWEEPING, AND SCRAPPING OFF DRIED DEBRIS.
- RUBBISH, TRASH, GARBAGE, OR LITTER SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM BEING BLOWN OR WASHED OFF-SITE.
- IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCE/EXIT IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES EXIT ONTO THE PUBLIC ROADS. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF SITE.
- ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- ON-SITE AND OFF-SITE STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH ADEQ CONSTRUCTION STORMWATER PERMIT.
- ALL MATERIALS MUST BE STORED OUT OF THE WAY OF VEHICULAR TRAFFIC.
- ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAYING FOR ROAD CONSTRUCTION.
- EROSION CONTROL FACILITIES REQUIRED BY THESE PLANS AND/OR THE FACILITY PERMIT ARE THE MINIMUM REQUIRED. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL FACILITIES AS NECESSARY.
- REMOVE EROSION CONTROL DEVICES AFTER PERMANENT VEGETATION IS ESTABLISHED.

ADDITIONAL EROSION CONTROL NOTES:

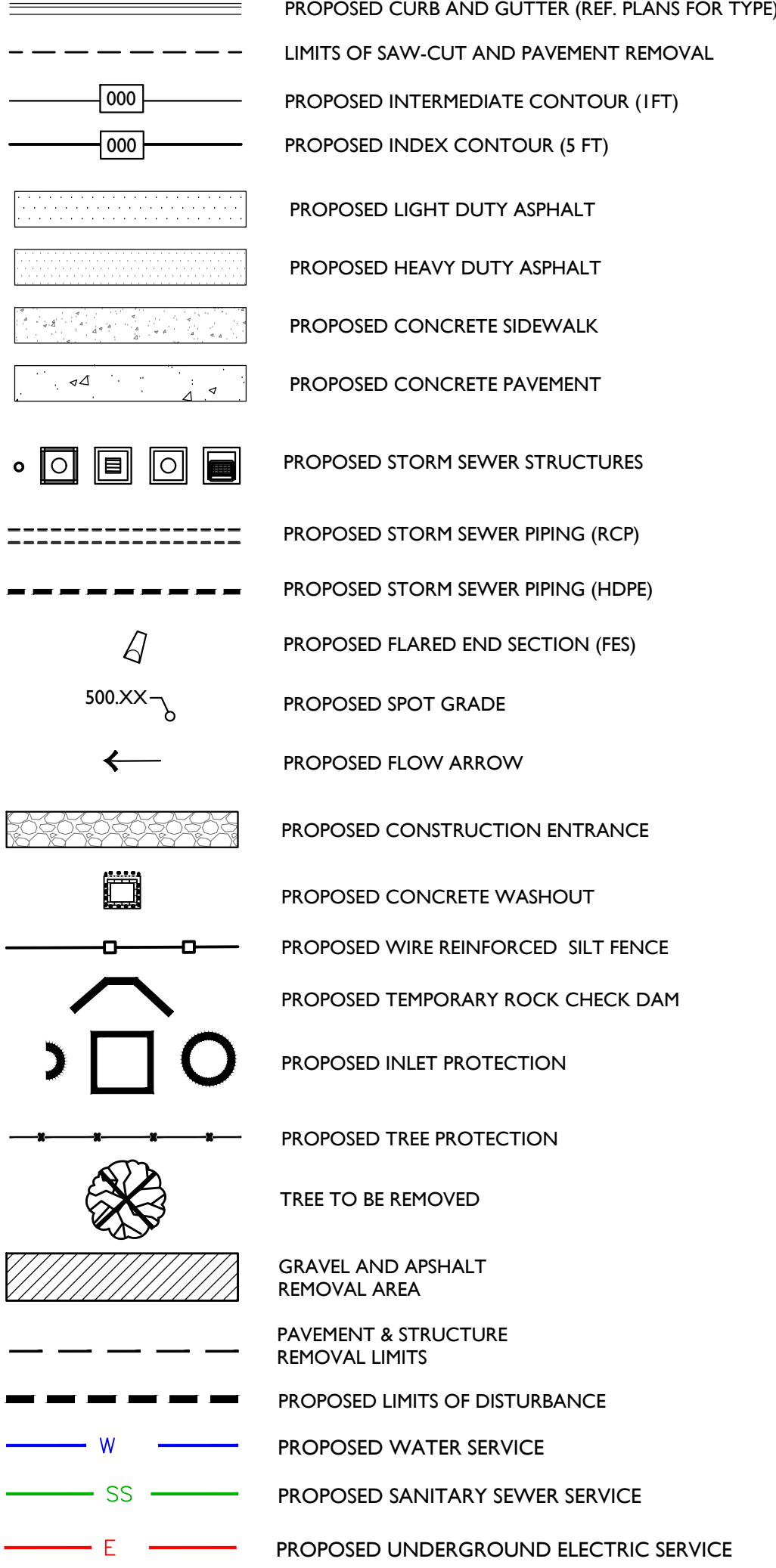
INITIAL SITE PREPARATION:

- INSTALL STABILIZED CONSTRUCTION ENTRANCES/EXITS.
- SITE CONTRACTOR SHALL SUBMIT TO ENGINEER FOR APPROVAL A SITE MAP SHOWING THE PROPOSED LOCATIONS OF THE FOLLOWING: TRAILER, PARKING, LAY DOWN, TOPSOIL STOCKPILE AREA, PORTA/POTTY, WHEEL WASH, CONCRETE WASH-OUT, MASON'S AREA, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., DENOTE THEM ON THE SITE MAPS IMMEDIATELY AND NOTE ANY CHANGES IN THE LOCATIONS AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROGRESS.
- CONSTRUCT THE SILT FENCES ON THE SITE AS INDICATED ON THE PLANS.
- CONSTRUCT THE SEDIMENTATION AND SEDIMENT TRAP BASINS.
- CONTACT THE ENGINEER TO PERFORM INSPECTION OF THE BMPS. SITE CONTRACTOR SHALL SCHEDULE AND CONDUCT STORM WATER PRE-CONSTRUCTION MEETING WITH ENGINEER AND ALL GROUND DISTURBING SUB-CONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.
- CLEAR AND GRUB THE SITE WITHIN THE LIMITS OF WORK SHOWN ON THE PLANS.
- CONTRACTOR SHALL BEGIN GRADING THE SITE AND BEGIN CONSTRUCTION.

DURING CONSTRUCTION:

- TEMPORARILY SEED DISTURBED AREAS.
- INSTALL INLET PROTECTION AROUND ALL NEWLY CONSTRUCTED STORM SEWER STRUCTURES.
- AFTER PAVING, INSTALL INLET PROTECTION DEVICES.
- AT THE COMPLETION OF GRADING INSTALL PERMANENT SEEDING AND PLANTINGS.
- ONCE SITE IS STABILIZED, THE CONTRACTOR CAN REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES.
- ON AN AS-NEEDED BASIS OR AS DIRECTED BY THE CITY OR OWNER, THE CONTRACTOR SHALL CONTROL DUST BY EXPOSING THE SOIL SURFACE TO MOISTURE PERIODICALLY WITH ADEQUATE WATER TO CONTROL DUST.

PROPOSED LEGEND



ABBREVIATIONS

BOC	BACK OF CURB
BC	BOTTOM OF CURB
BW	BOTTOM WIDTH
CL	CENTERLINE
CLR	CLEARANCE
CHP	CORRUGATED METAL PIPE
DIA	DIAMETER
D/C	DUAL CONTAINED
DWG	DRAWING
E	EASTING
ELEV	ELEVATION
EWOC	EACH WAY ON CENTER
EX	EXISTING
FES	FLARED END SECTION
FFE	FINISH FLOOR ELEVATION
FG	FINISH GRADE
FL	FLOWLINE
FOC	FACE OF CURB
FT	FEET
GA	GAUGE
GMP	GAS MONITORING PROBE
HDPE	HIGH DENSITY POLYETHYLENE
HORIZ	HORIZONTAL
ID	INSIDE DIAMETER
INV	INVERT
LB	POUNDS
LD	LEAK DETECTION
LEN	LENGTH
LF	LINEAR FEET
LFG	LANDFILL GAS
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
N	NORTHING
N.T.S.	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
PL	PROPERTY LINE
PVC	POLYVINYL CHLORIDE
PVT	PAVEMENT
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT-OF-WAY
SCH	SCHEDULE
SS	STAINLESS STEEL
SQ	SQUARE
STA	STATION
STD	STANDARD
TC	TOP OF CURB
TD	TOP OF DOCK
TW	TOP OF WALL
TYP	TYPICAL
VERT	VERTICAL

E | D | G

Ecological Design Group, Inc

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phone: 501 378 0200  
LITTLE ROCK | ROGERS | WYNNE

STATE OF ARKANSAS  
LICENSED PROFESSIONAL ENGINEER  
No. 19108  
EXPIRATION DATE 06-18-23

Ecological Design Group, Inc.  
No. 2511  
STATE OF ARKANSAS

MARTIN L. SMITH  
LICENSED LANDSCAPE ARCHITECT  
No. 5039  
6-18-2021  
STATE OF ARKANSAS

811  
Know what's below.  
Call before you dig.

ARKANSAS STATE VETERANS CEMETERY - BIRDEYE  
Birdeye, Arkansas  
STATE OF ARKANSAS - Department of Veterans Affairs  
501 Woodlane Drive, Suite 401N  
Little Rock, Arkansas 72201

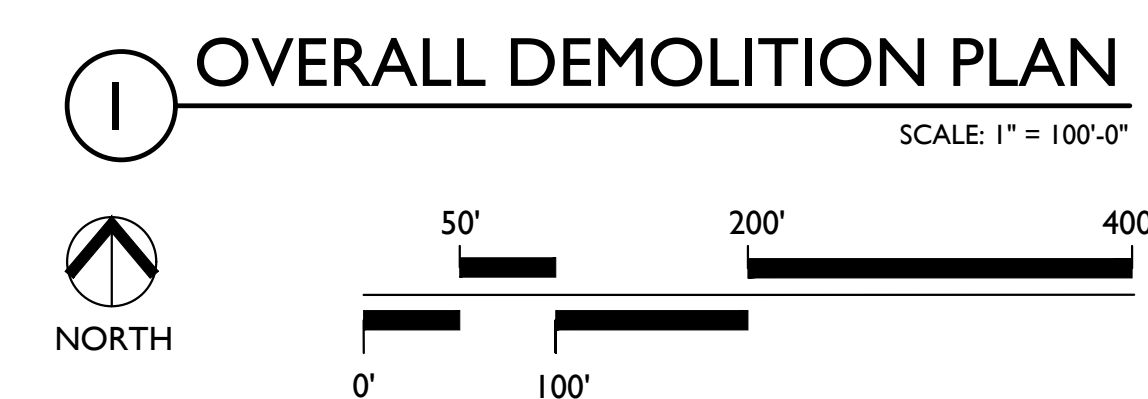
EDG PROJECT NO.	21-047
DATE	2023.06.18
REVISIONS	
Number	Date
PHASE	100% Construction Documents
TITLE	General Notes & Legend
SHEET NO.	C0.01
DBA PROJECT #	3892301



## ARKANSAS STATE VETERANS CEMETERY - BIRDEYE

**Arkansas State Veterans Cemetery**  
 Birdeye, Arkansas  
 STATE OF ARKANSAS - Department of Veterans Affairs  
 501 Woodlane Drive, Suite 401N  
 Little Rock, Arkansas 72201

EDG PROJECT NO.		21-047
DATE	2023.06.18	
REVISIONS		
Number	Date	
PHASE	100% Construction Documents	
TITLE	Overall Demolition Plan	
SHEET NO.	C0.10	





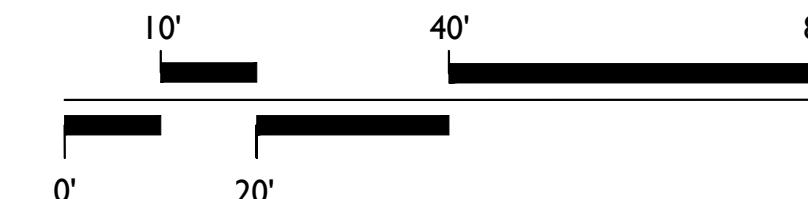
**ARKANSAS STATE VETERANS CEMETERY -**  
 Birdeye, Arkansas  
 STATE OF ARKANSAS - Department of Veterans Affairs  
 501 Woodlane Drive, Suite 401N  
 Little Rock, Arkansas 72201

EDG PROJECT NO.	ZI-047
DATE	2023-06-18
REVISIONS	
Number	Date
PHASE	100% Construction Documents
TITLE	Demolition Plan
SHEET NO.	CO.11

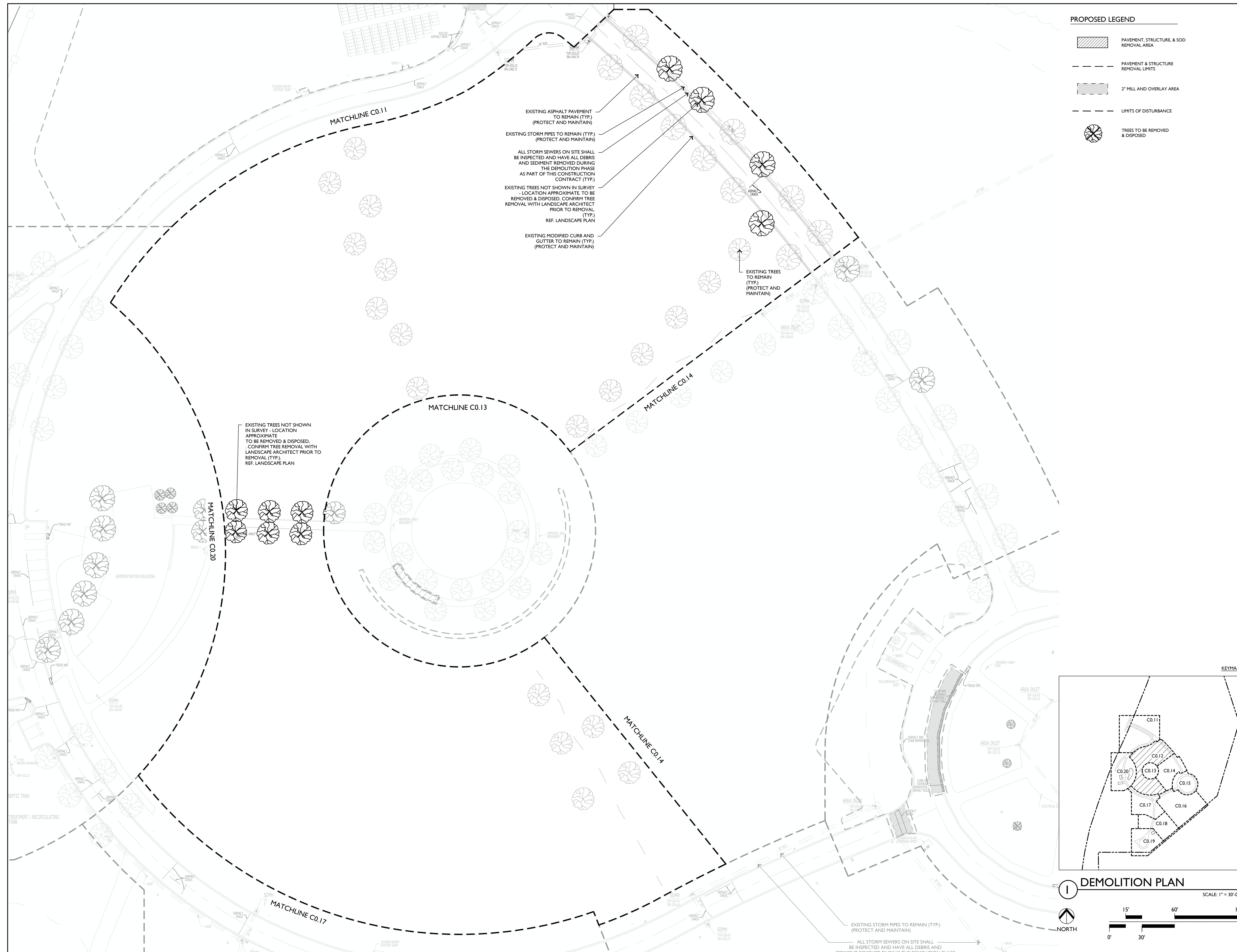


## DEMOLITION PLAN

SCALE: 1" = 20'-0"



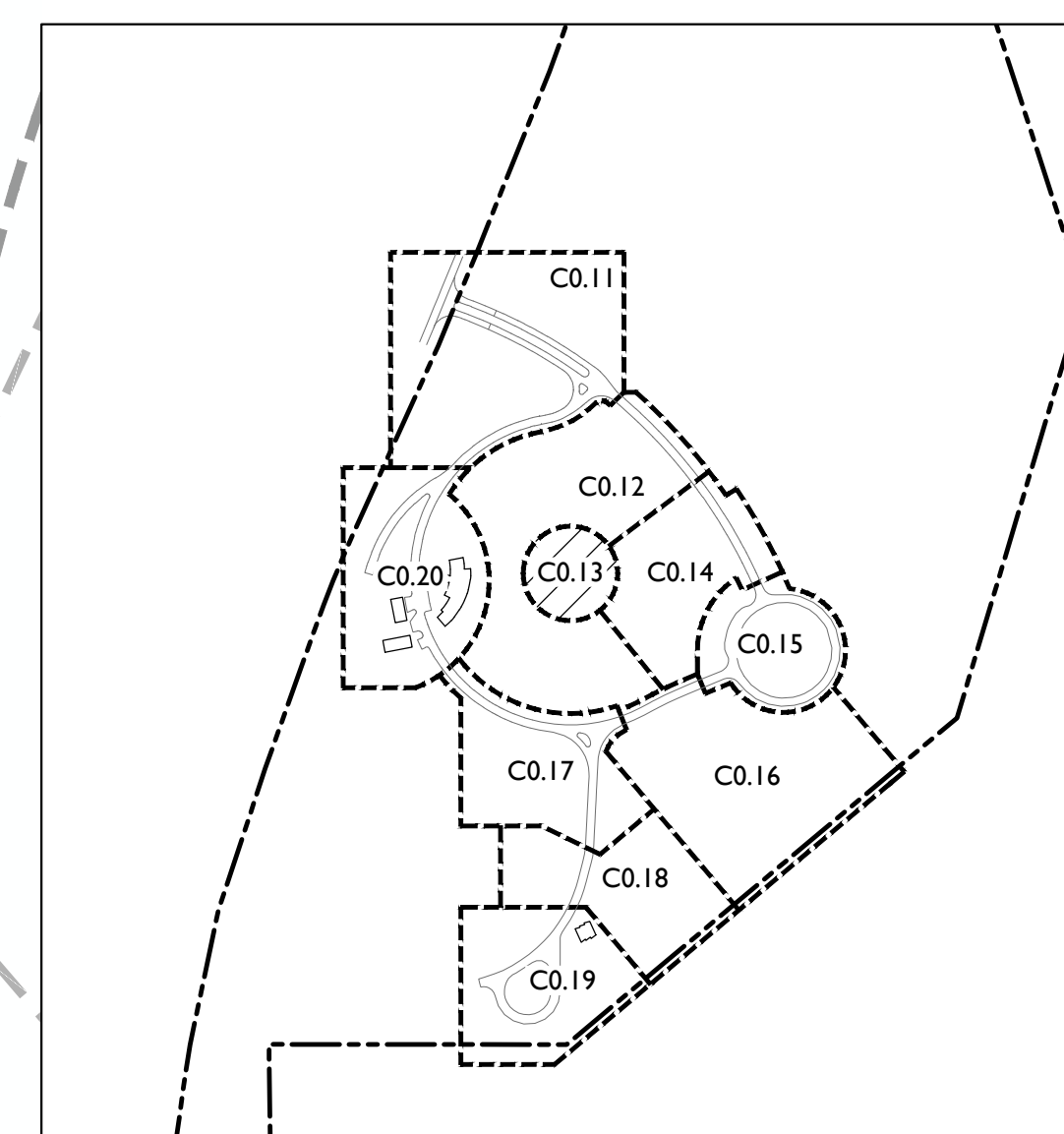
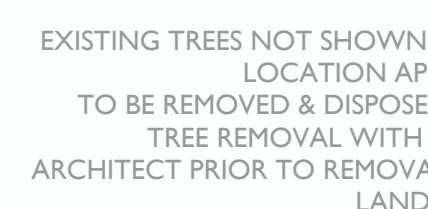




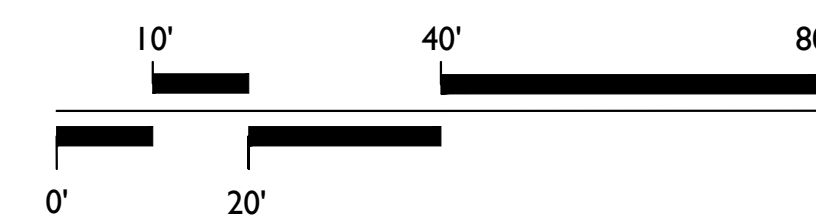




Birdeye, Arkansas  
STATE OF ARKANSAS - Department of Veterans Affairs  
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DBA PROJECT # 3852301

SCALE: 1" = 20'-0"

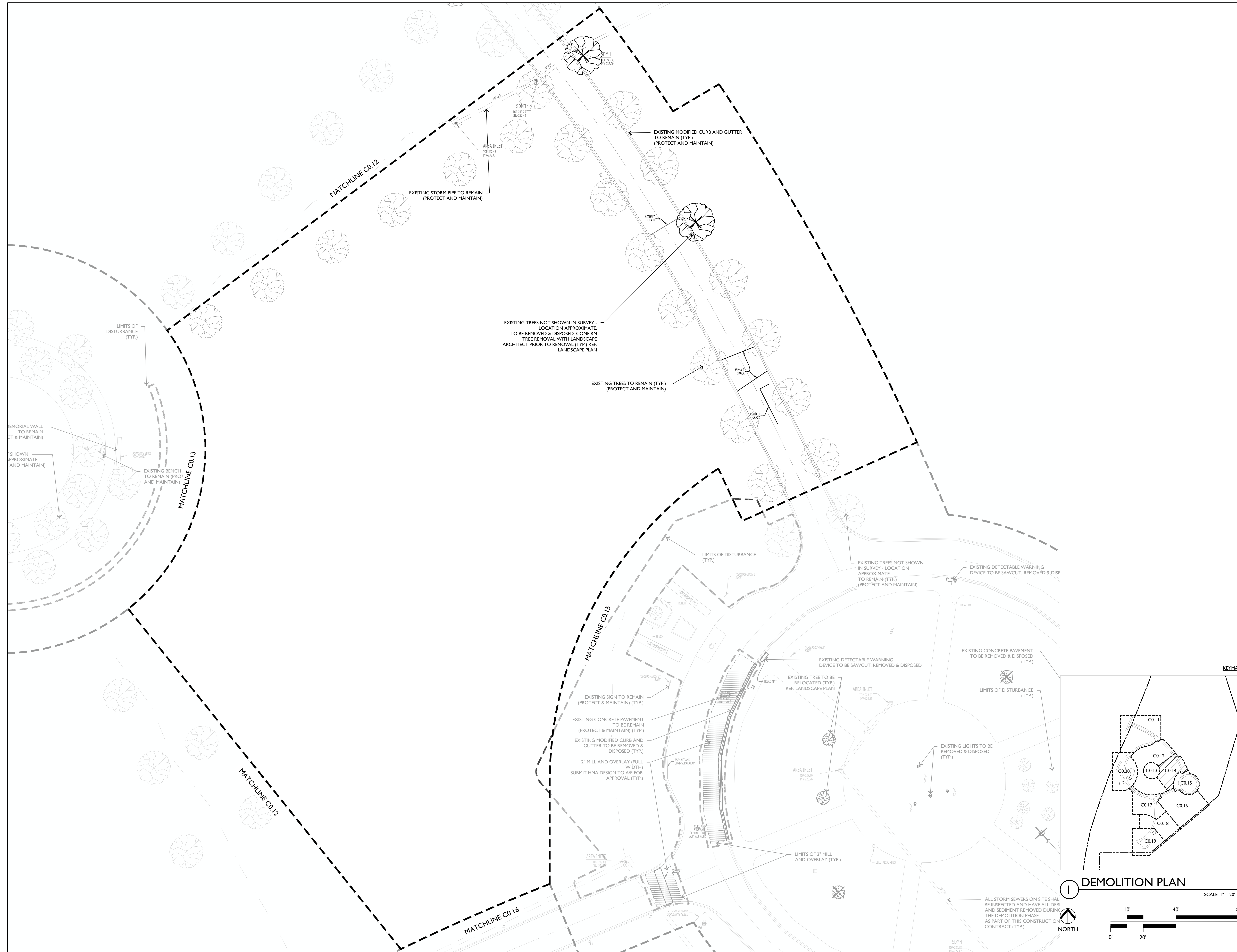




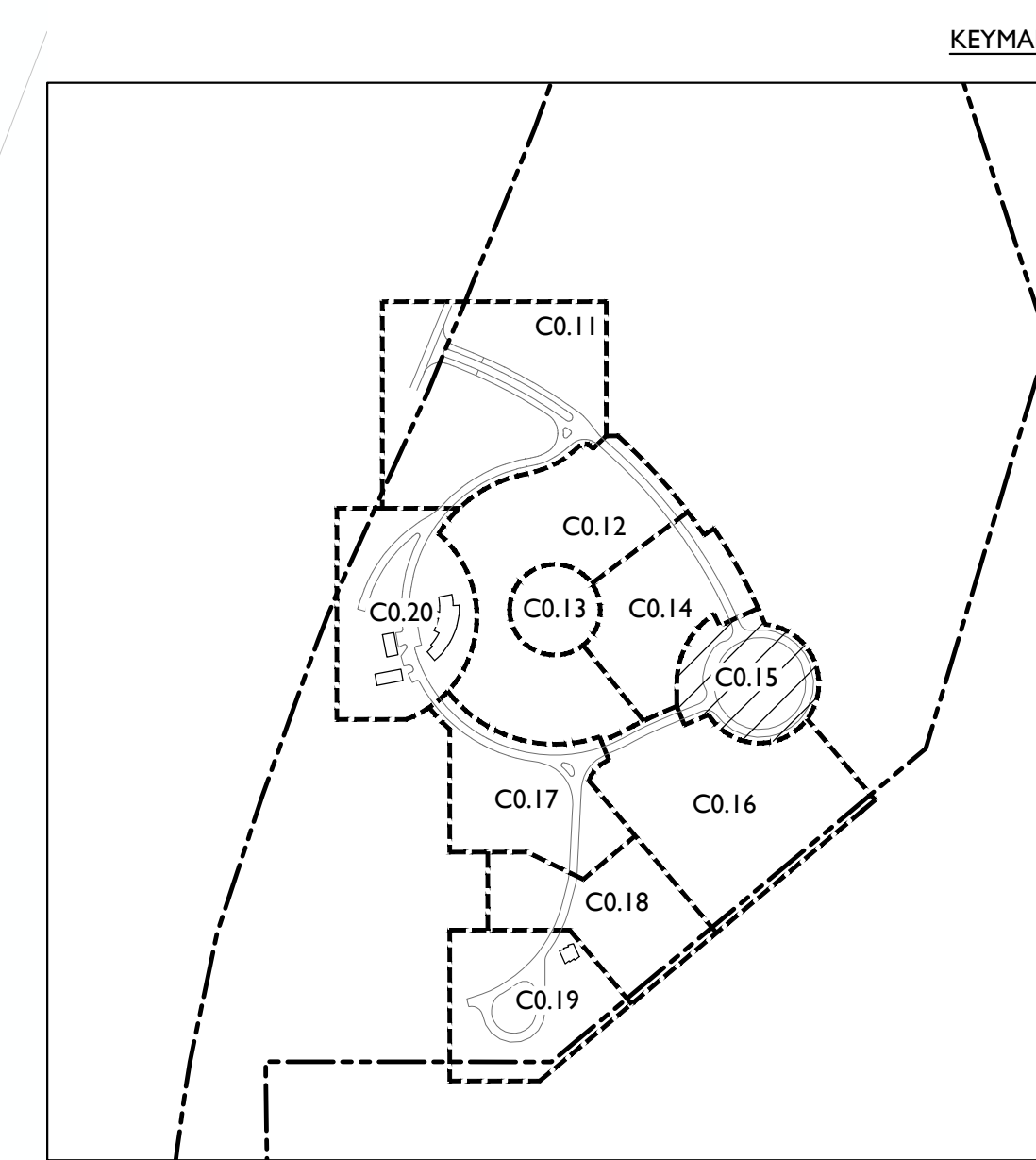
## ARKANSAS STATE VETERANS CEMETERY - BIRDEYE

BIRDEYE, ARKANSAS  
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501 Woodlane Drive, Suite 401N  
Little Rock, Arkansas 72201

EDG PROJECT NO.		ZI-047
DATE	2023.06.18	
<b>REVISIONS</b>		
Number	Date	
<b>PHASE      100% Construction Documents</b>		
<b>TITLE</b>	<b>Demolition Plan</b>	
SHEET NO.	C0.14	
DBA PROJECT # 3852301		







SCALE: 1" = 20'-0"



MATCHLINE C0.16















**ARKANSAS STATE VETERANS CEMETERY -**  
 Birdeye, Arkansas  
 STATE OF ARKANSAS - Department of Veterans Affairs  
 501 Woodlane Drive, Suite 401N  
 Little Rock, Arkansas 72201

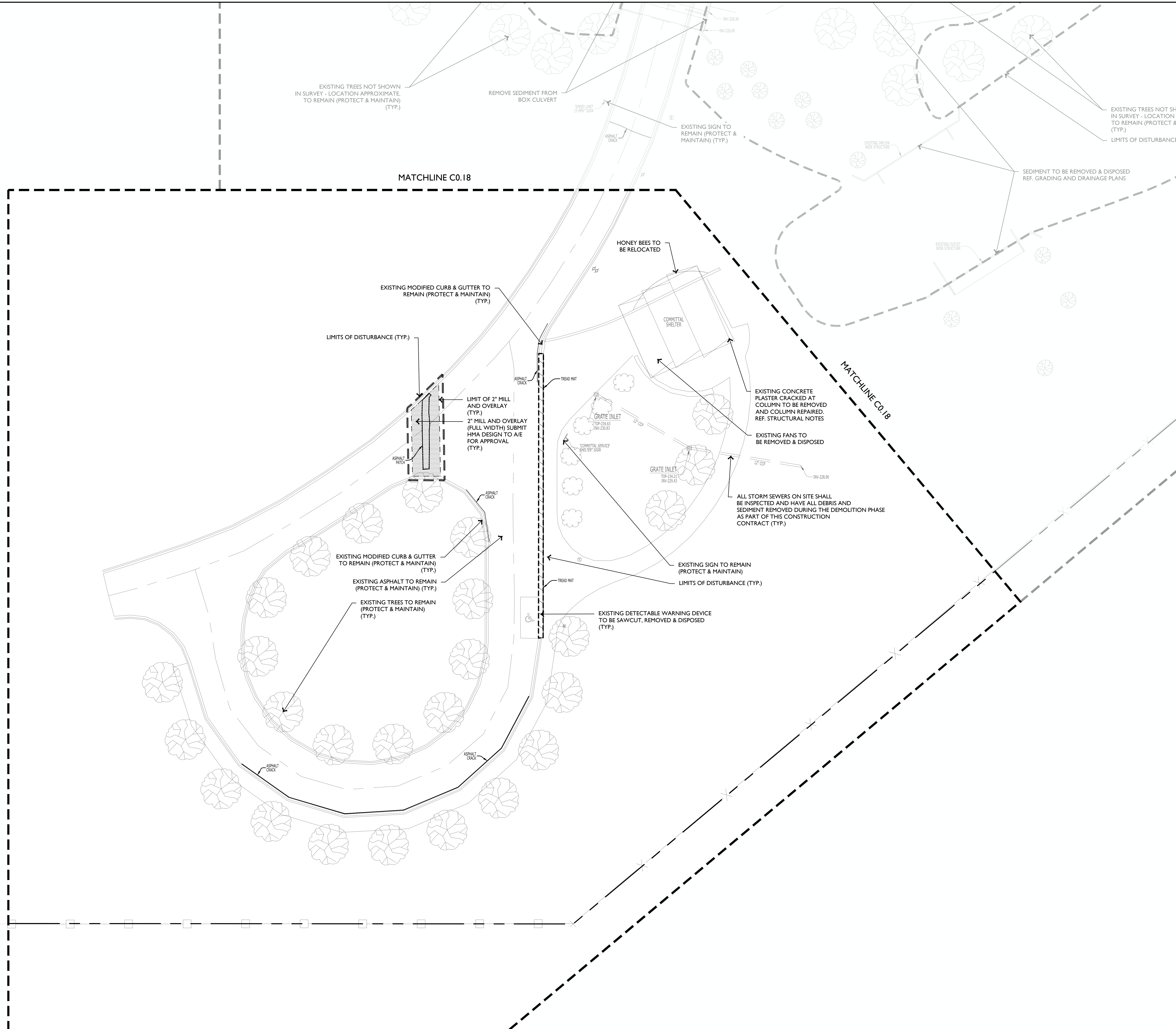
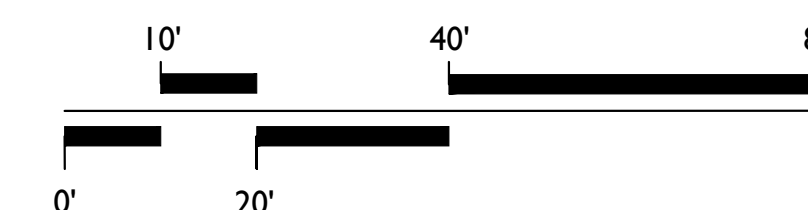
EDG PROJECT NO.		Z1-047
DATE	2023.06.18	
REVISIONS		
Number	Date	
PHASE      100% Construction Documents		
TITLE	Demolition Plan	
SHEET NO.	C0.19	

DBA PROJECT # 3852301



## DEMOLITION PLAN

SCALE: 1" = 20'-0"

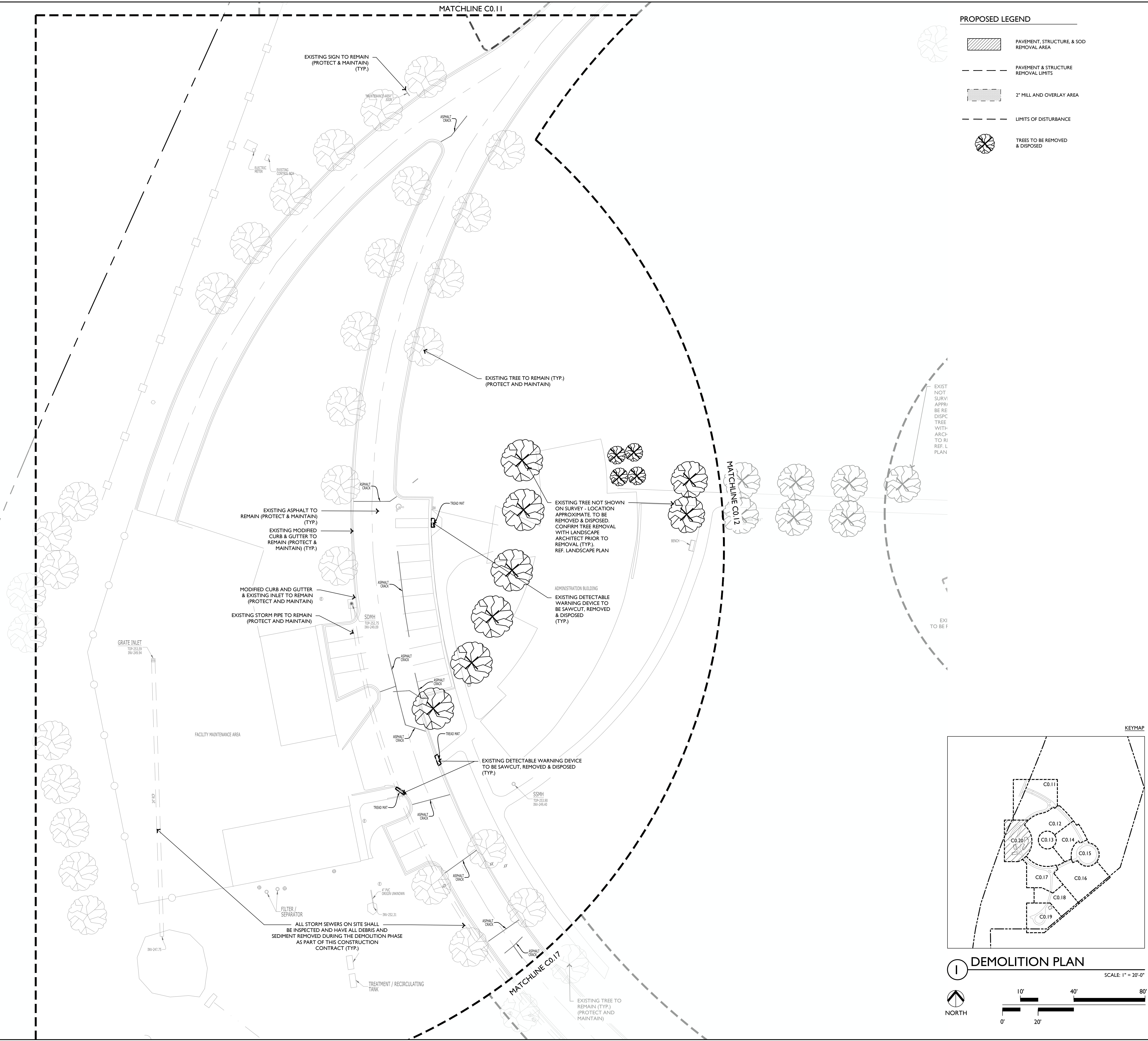




# ARKANSAS STATE VETERANS CEMETERY - BIRDEYE

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STATE OF ARKANSAS - Department of Veterans Affairs  
501 Woodlane Drive, Suite 401N  
Little Rock, Arkansas 72201

DWG PROJECT NO.	ZI-047
DATE	2023.06.18
REVISIONS	
Number	Date
PHASE	100% Construction Documents
TITLE	Demolition Plan
SHEET NO.	C0.20





**ARKANSAS STATE VETERANS CEMETERY - BIRDEYE**  
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EDG PROJECT NO. 21-047

REVISIONS	
Number	Date

PHASE	100% Construction Documents
-------	-----------------------------

TITLE	Overall Site Plan
-------	-------------------

SHEET NO. **C1.00**





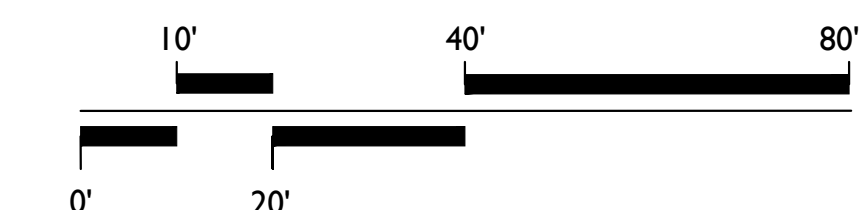
**ARKANSAS STATE VETERANS CEMETERY -**  
 Birdeye, Arkansas  
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 501 Woodlane Drive, Suite 401N  
 Little Rock, Arkansas 72201

EDG PROJECT NO.		21-047
DATE	2023.06.18	
REVISIONS		
Number	Date	
PHASE	100% Construction Documents	
TITLE	Site Plan	
SHEET NO.	C1.01	



## SITE PLAN

SCALE: 1" = 20'-0"



MATCHLINE CI.10

MATCHLINE CI.02

SEAL EXISTING ASPHALT CRACKS (TYP.) CONTRACTOR TO SUBMIT SEALANT FOR APPROVAL (TYP.)

SEAL EXISTING ASPHALT CRACK  
(TYP.) CONTRACTOR TO SUBMIT  
SEALANT FOR APPROVAL

EXISTING CONTROL  
MARKER (TYP.

EXISTING TREE LINE (TYP.)

- SEAL EXISTING ASPHALT CRACK (TYP.) CONTRACTOR TO SUBMIT SEALANT FOR APPROVAL.
- 2" MILL AND OVERLAY (FULL WIDTH) SUBMIT HMA DESIGN TO A/E FOR APPROVAL (TYP.)

2 654 DOUBLE DEPTH CRYPTS  
C5.00 SIZE: 3X8 (TYP.)

3 CONTROL  
C5.00 MARKERS (TYP.)

861 EXISTING HEADSTONES /  
TS INSTALLED NOT SHOWN IN  
EY - LOCATION APPROXIMATE  
(PROTECT & MAINTAIN)  
(TYP.)  
FUTURE  
HEADSTONES  
FROM PREVIOUS  
PHASE (TYP.)

8'-0"  
(TYP.)

6'-0"  
(TYP)

HEADSTON  
OM PREVIC  
PHASE (T

15 OVERSIZED DOUBLE DEPTH CRYPT  
(TYP.)

MATCHLINE CI.02





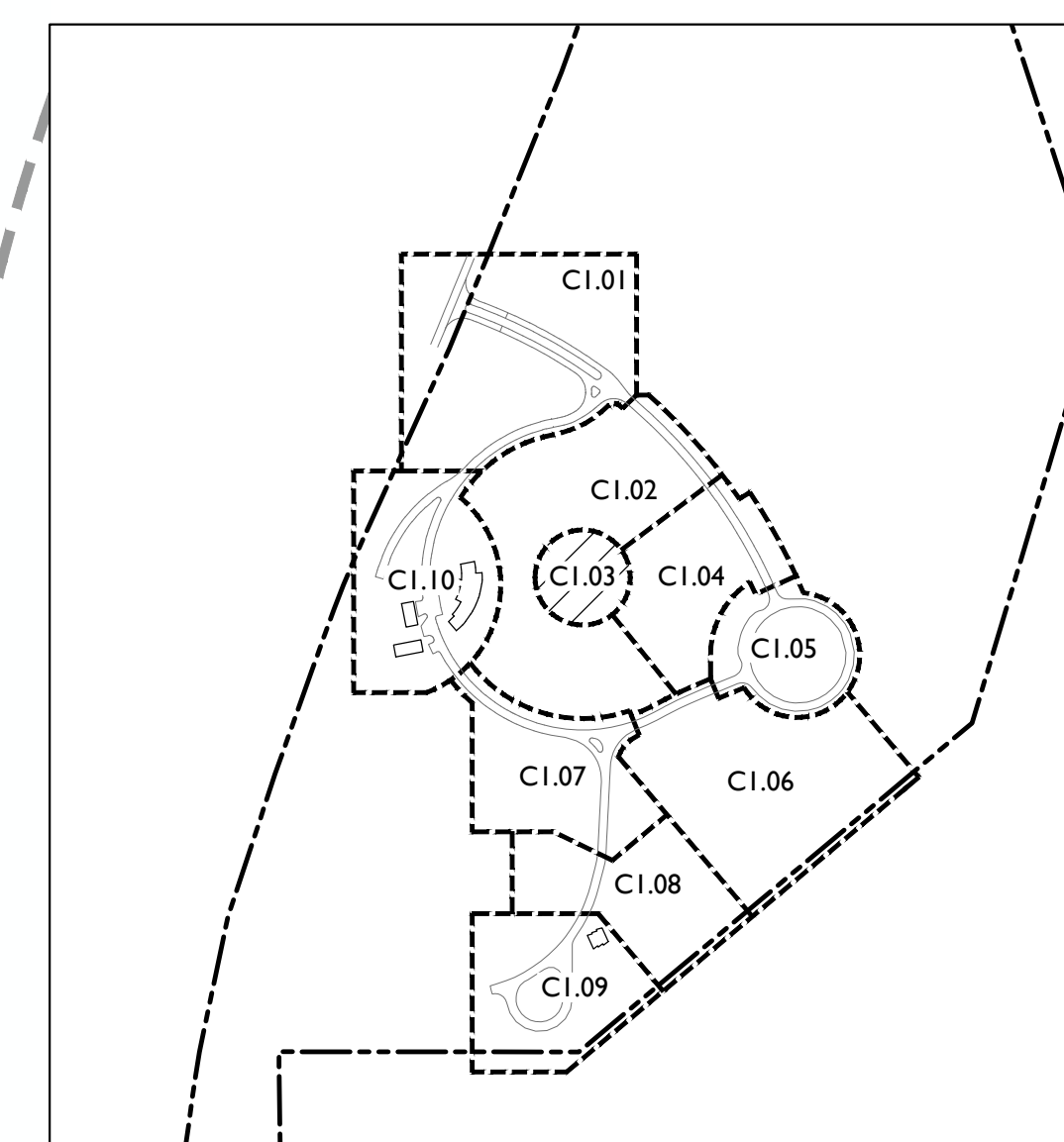




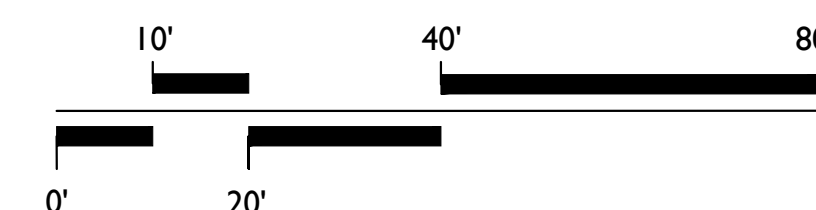




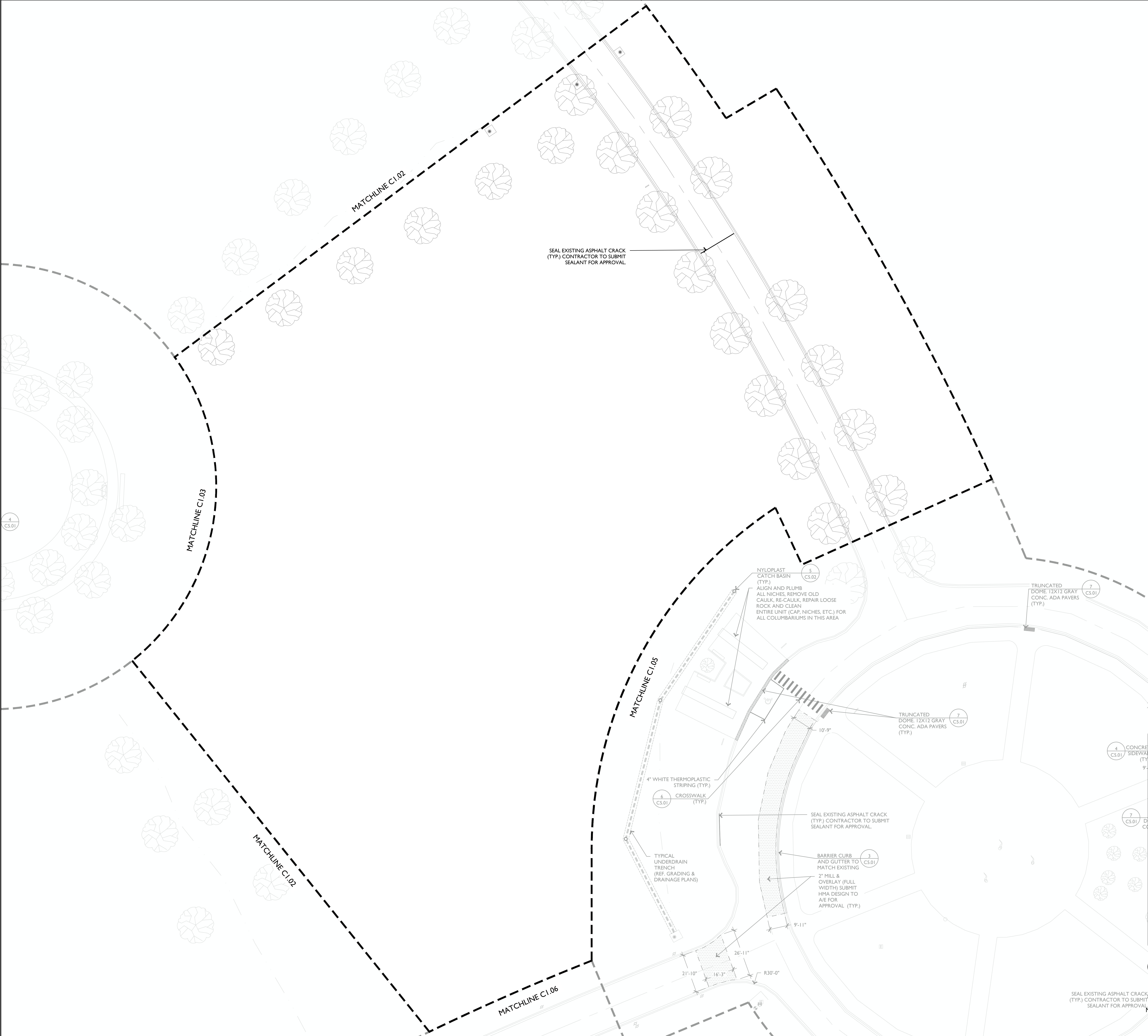
**Birdeye, Arkansas**  
**STATE OF ARKANSAS - Department of Veterans Affairs**  
**501 Woodlane Drive, Suite 401N**  
**Little Rock, Arkansas 72201**

DBA PROJECT # 3852301

SCALE: 1" = 20'-0"





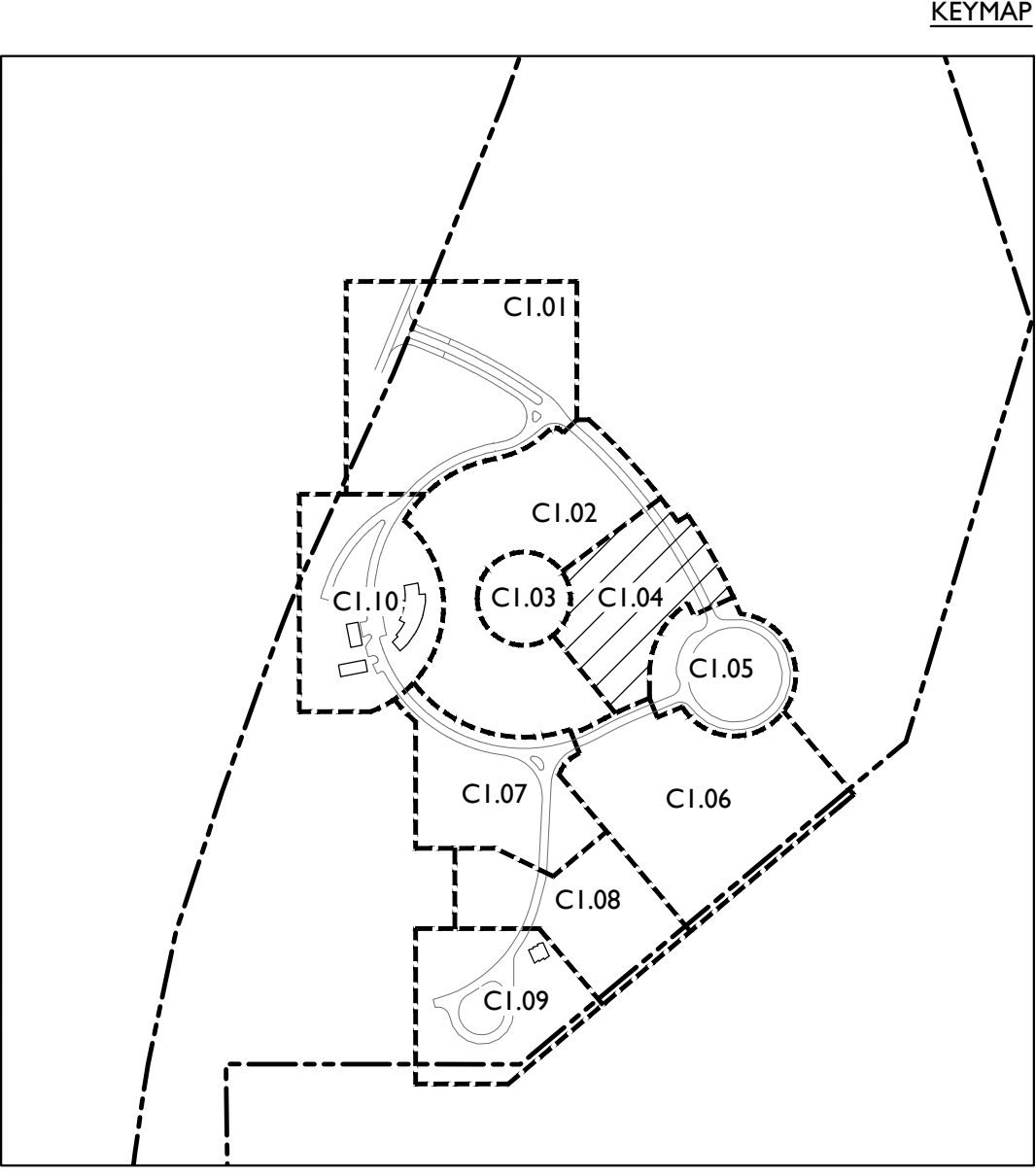


PROPOSED LEGEND

	PROPOSED CURB AND GUTTER (REF. PLANS FOR TYPE)
	PAVEMENT REMOVAL LIMITS
	LIMITS OF MILL AND OVERLAY
	TYPICAL CONCRETE SIDEWALK
	2" MILL AND OVERLAY

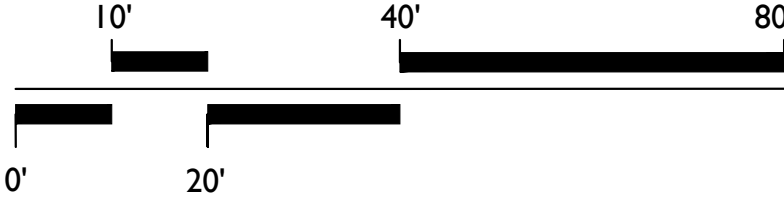


ARKANSAS STATE VETERANS CEMETERY - BIRDEYE  
Birdeye, Arkansas  
STATE OF ARKANSAS - Department of Veterans Affairs  
501 Woodlane Drive, Suite 401N  
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1 SITE PLAN

SEAL EXISTING ASPHALT CRACK  
(TYP.) CONTRACTOR TO SUBMIT  
SEALANT FOR APPROVAL



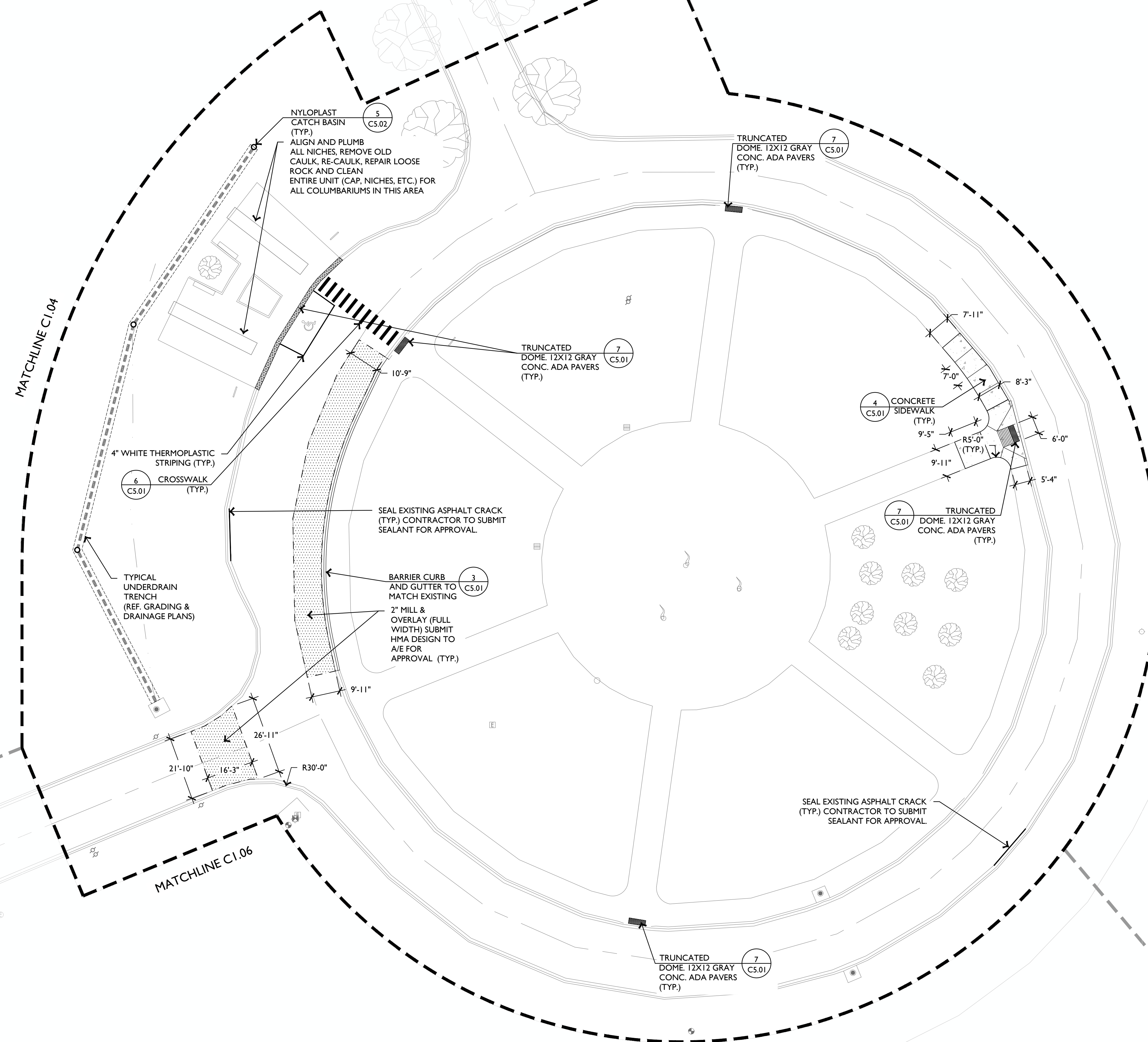
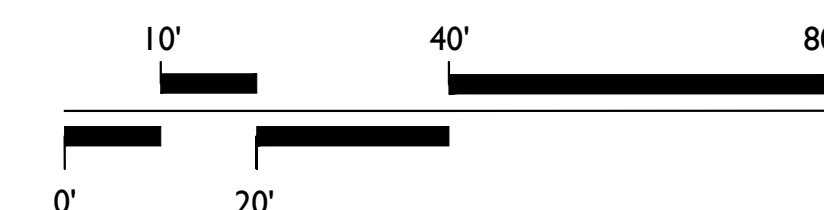
EDG PROJECT NO.	21-047
DATE	2023.06.18
REVISIONS	
Number	Date
PHASE	100% Construction Documents
TITLE	Site Plan
SHEET NO.	C1.04
DBA PROJECT #	3852301





## SITE PLAN

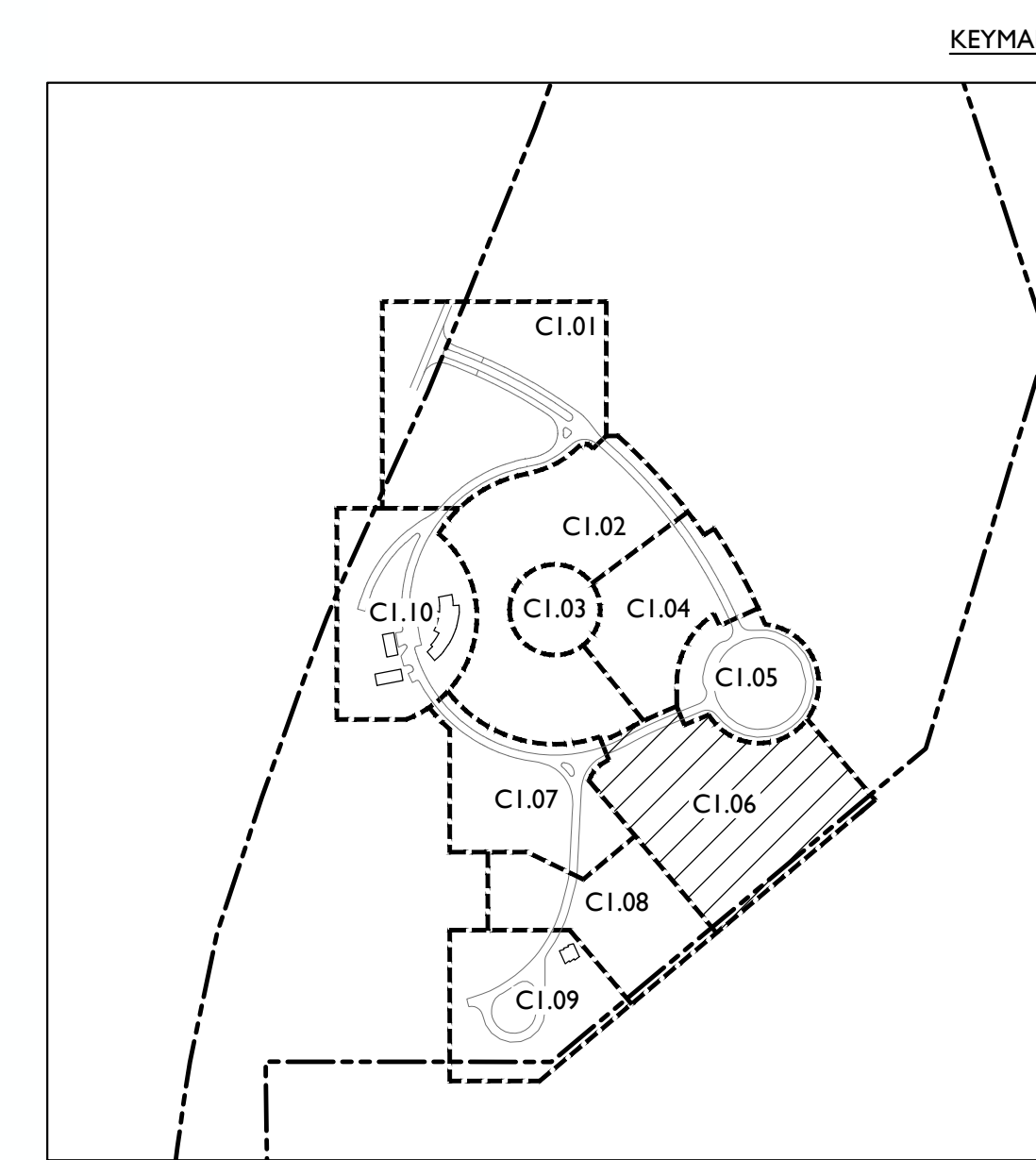
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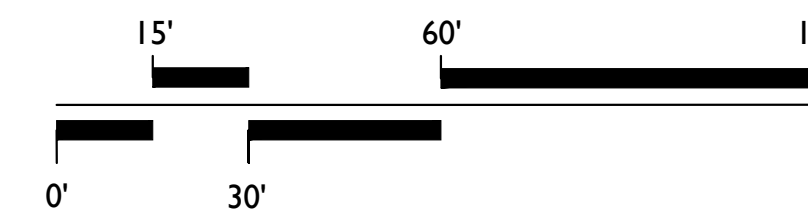


Birdeye, Arkansas  
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## CI.06

DBA PROJECT # 3852301

SCALE: 1" = 30'-0"







**PROPOSED LEGEND**

- PROPOSED CURB AND GUTTER (REF. PLANS FOR TYPE)
- PAVEMENT REMOVAL LIMITS
- LIMITS OF MILL AND OVERLAY
- TYPICAL CONCRETE SIDEWALK
- 2" MILL AND OVERLAY

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HAZEN  
06-18-23

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EDG PROJECT NO. 21-047  
DATE 2023.06.18

REVISIONS	
Number	Date

PHASE 100% Construction Documents  
TITLE Site Plan  
SHEET NO. **C1.07**  
DBA PROJECT # 3892301

**KEYMAP**

**1 SITE PLAN**

SCALE: 1" = 20'-0"

0' 20' 40' 80'

NORTH





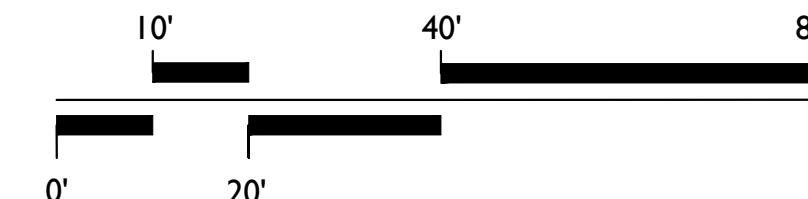




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DBA PROJECT # 3852301

SCALE: 1" = 20'-0"



MATCHLINE C1.08

SEAL EXISTING ASPHALT CRACK (TYP.) CONTRACTOR TO SUBMIT SEALANT FOR APPROVAL.

CONCRETE WALL SHALL BE CLEANED TO REMOVE IRON BUILDUP

REPAIR DAMAGED CONCRETE FOOTING FOR COLUMN. REF. STRUCTURAL NOTES IN SPECIFICATIONS

PROPOSED COMMERCIAL FAN TO COMMITTAL SHELTER. REF. ELECTRICAL

MATCHLINE C1.08

18'-10"

32'-10"

45'-11"

13'-10"

2" MILL AND OVERLAY (FULL WIDTH) CONTRACTOR TO SUBMIT HMA TO A/E FOR APPROVAL (TYP.)

138'-3"

7 TRUNCATED DOME (CS.01) 12X12 GRAY CONC. ADA PAVERS (TYP.)

4" WHITE THERMOPLASTIC STRIPING (TYP.)

BASIN LIMITS (TYP.) REF. GRADING & DRAINAGE PLAN





Birdeye, Arkansas  
STATE OF ARKANSAS - Department of Veterans Affairs  
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Little Rock, Arkansas 72201

EDG PROJECT NO.	Z1-047
DATE	2023.06.18
<b><u>REVISIONS</u></b>	
Number	Date

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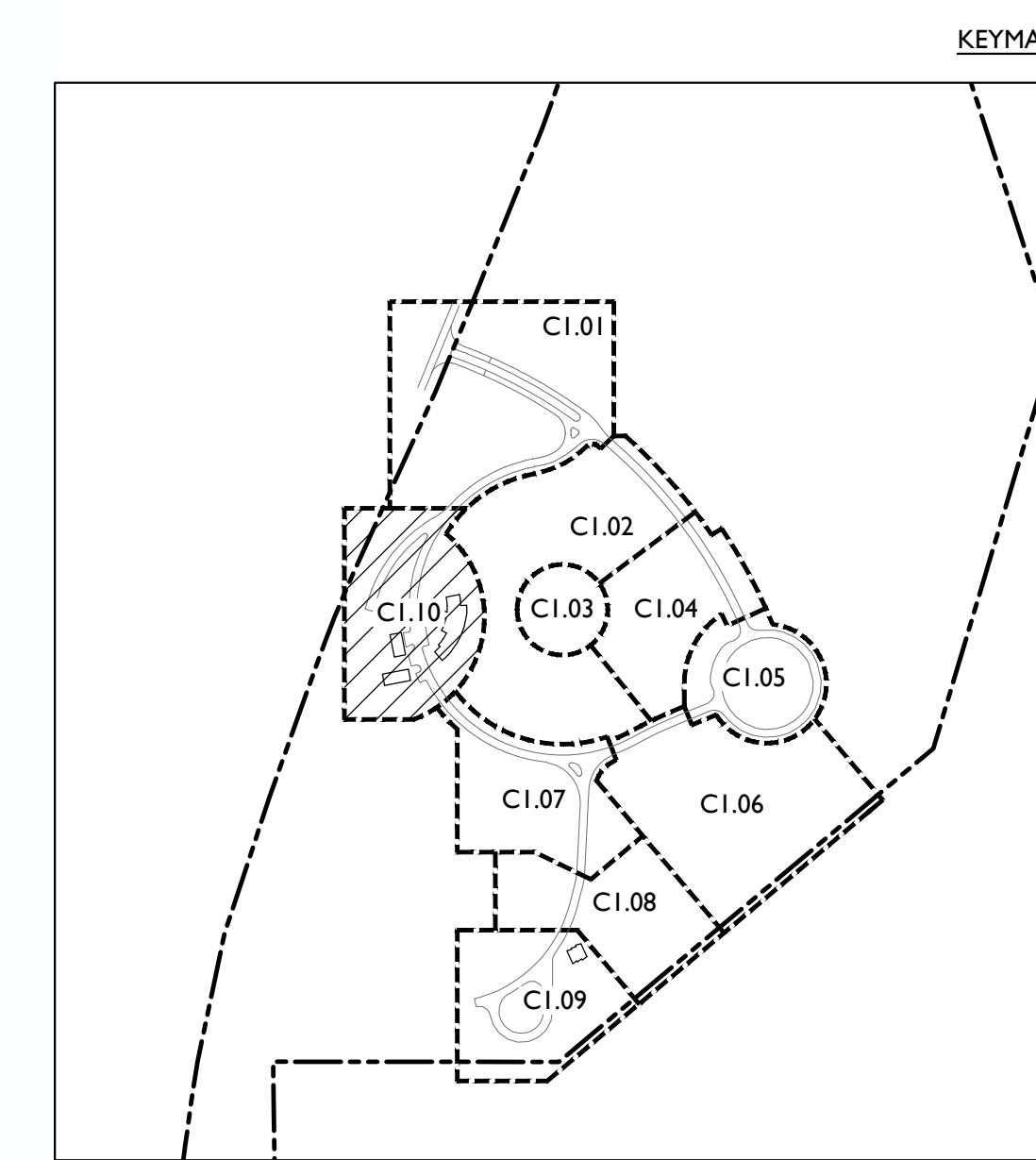
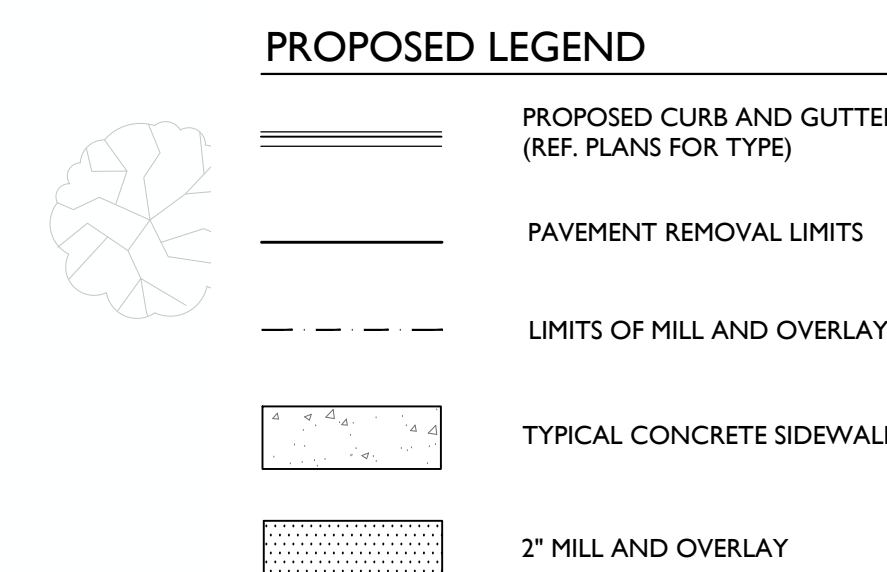
PHASE              **100% Construction Documents**

TITLE                 Site Plan

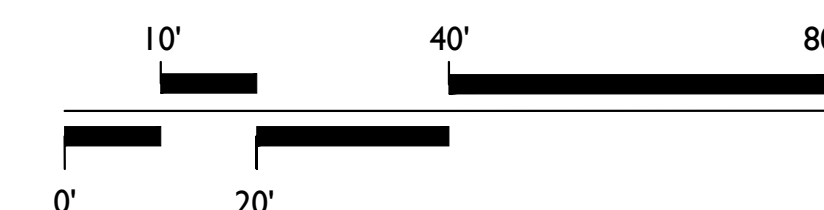
  
  

SHEET NO.                  **C1.10**



## SITE PLAN

SCALE: 1" = 20'-0"



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## ARKANSAS STATE VETERANS CEMETERY - BIRDEYE

**Arkansas State Veterans Cemetery**  
 Birdeye, Arkansas  
 STATE OF ARKANSAS - Department of Veterans Affairs  
 501 Woodlane Drive, Suite 401N  
 Little Rock, Arkansas 72201

EDG PROJECT NO. 21-047

DATE 2023.06.18

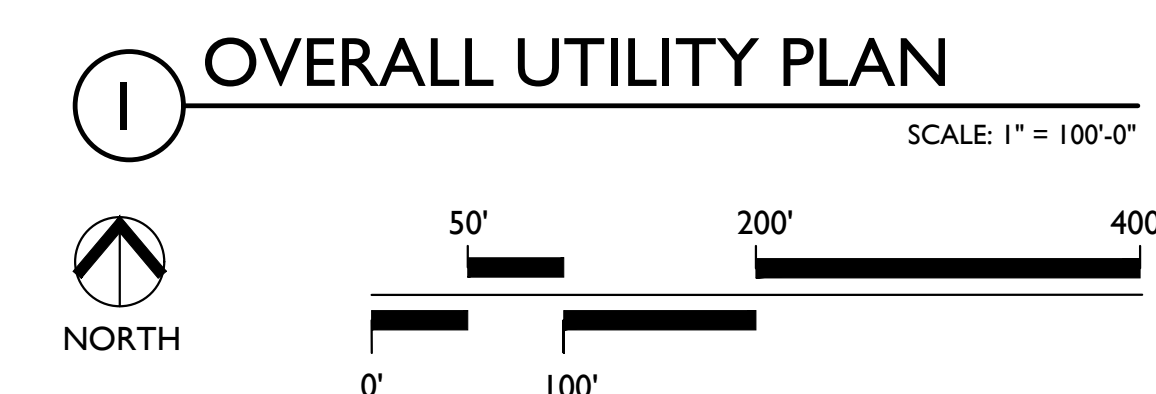
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PHASE	100% Construction Documents
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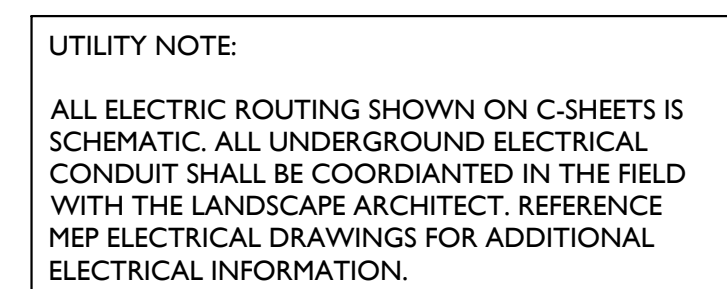
TITLE Overall Utility Plan

SHEET NO. **C2.00**

DBA PROJECT # 3852301

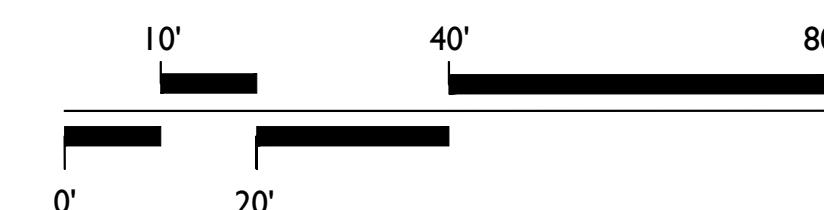




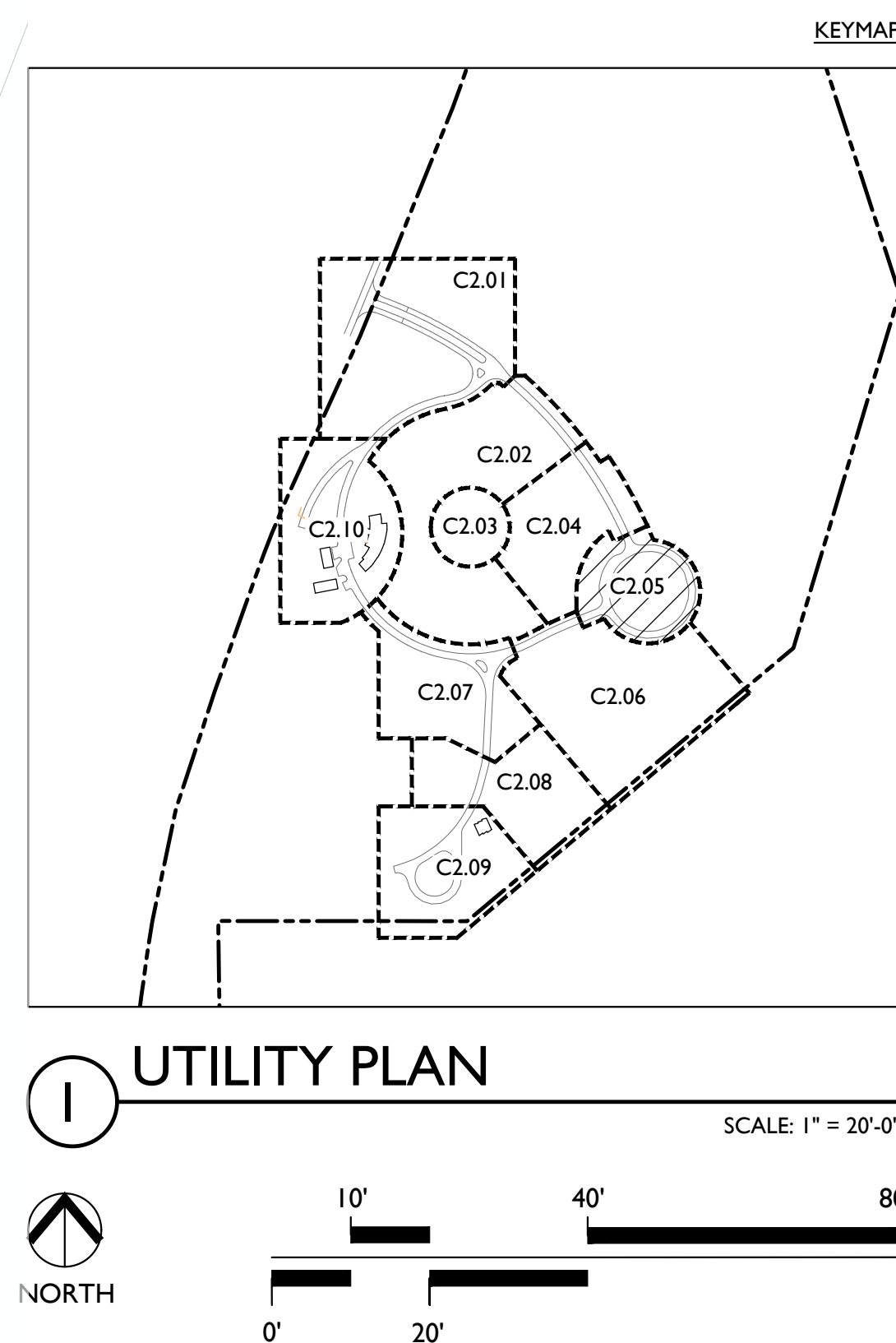


## UTILITY PLAN

SCALE: 1" = 20'-0"









**ARKANSAS STATE VETERANS CEMETERY - BIRDEYE**  
 Birdeye, Arkansas  
 STATE OF ARKANSAS - Department of Veterans Affairs  
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EDG PROJECT NO.	21-047
DATE	2023.06.18

REVISIONS	
Number	Date

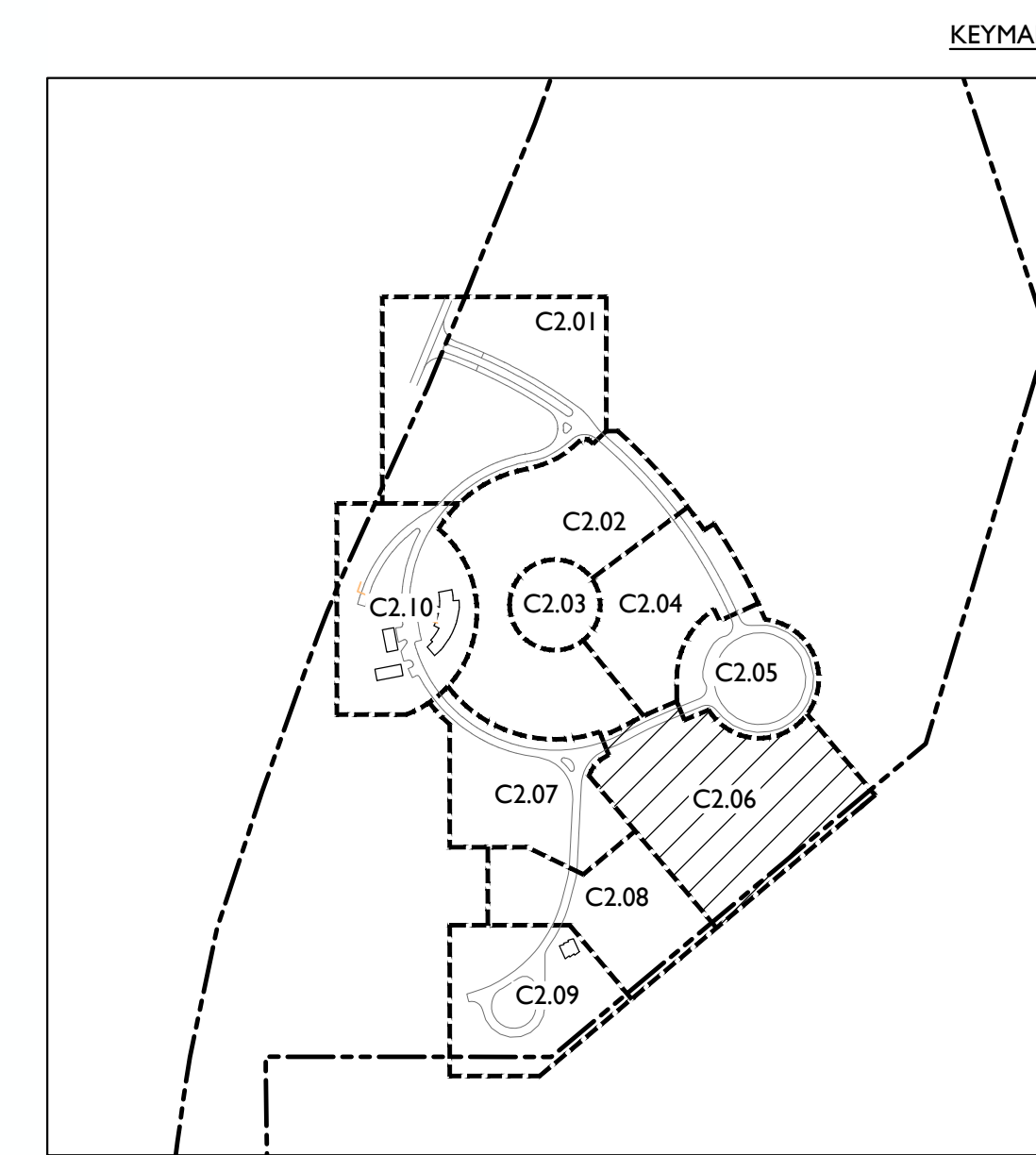
  

PHASE	100% Construction Documents
TITLE	Utility Plan

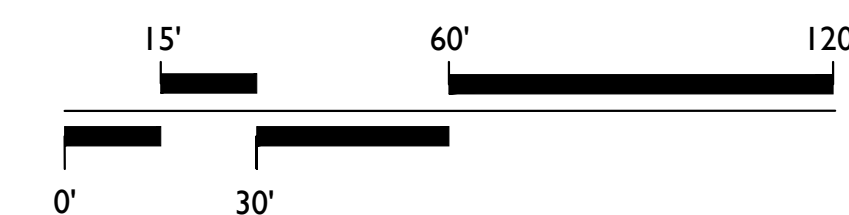
SHEET NO.	C2.06
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DBA PROJECT NO: 2852301

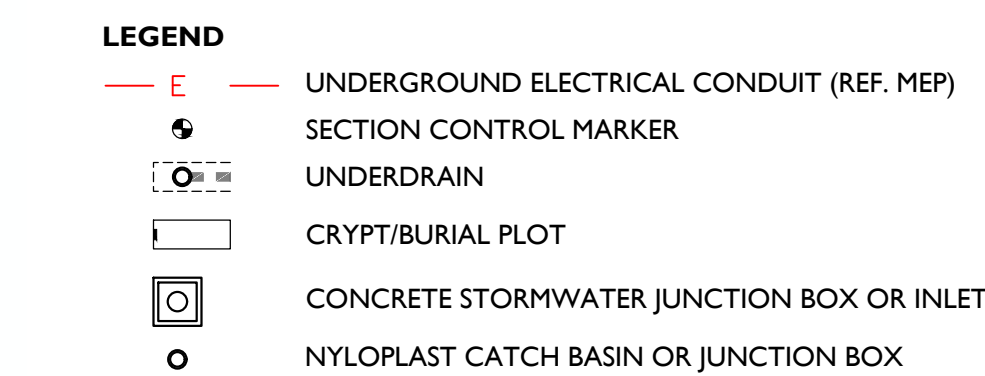


## UTILITY PLAN

SCALE: 1" = 30'-0"



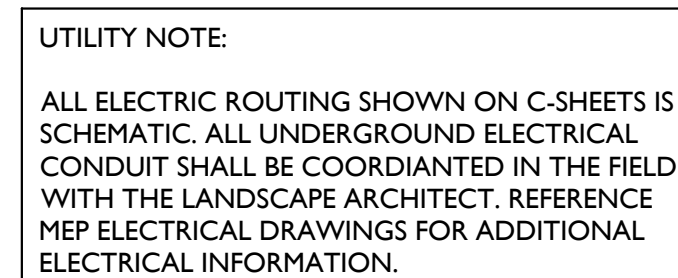








**Birdeye, Arkansas**  
**STATE OF ARKANSAS - Department of Veterans Affairs**  
**501 Woodlane Drive, Suite 401N**  
**Little Rock, Arkansas 72201**

DBA PROJECT # 3852301

INSTALL SURGE  
PROTECTOR AT  
EXISTING PANEL  
(REF. MEP)

COMMITTAL  
SHELTER

MATCHLINE C2.08

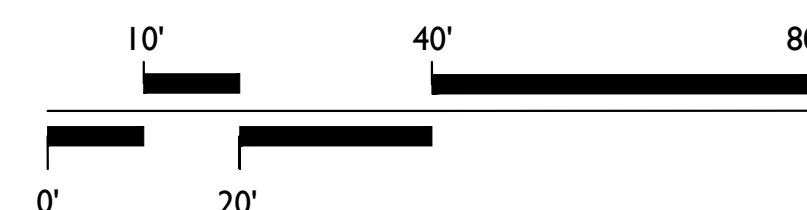
PROVIDE ELECTRICAL  
CONNECTION FOR  
PROPOSED FAN  
(REF. MEP DRAWINGS)

— PROTECT & MAINTAIN ALL  
EXISTING UTILITIES UNLESS  
OTHERWISE SPECIFIED ON  
THE PLANS (TYP)

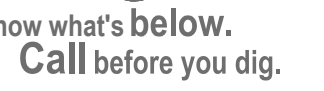


## UTILITY PLAN

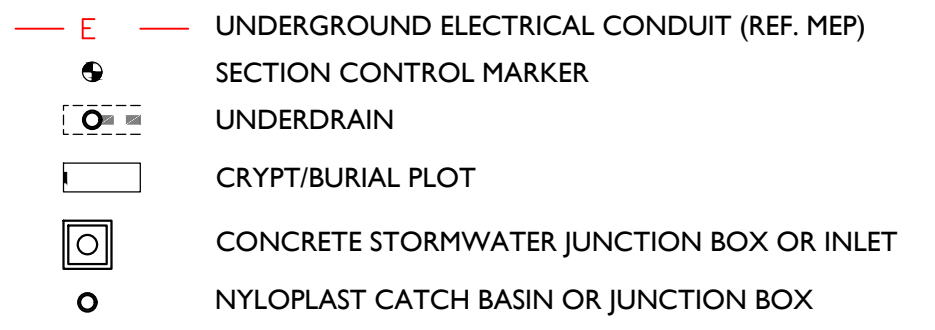
SCALE: 1" = 20'-0"







Birdeye, Arkansas  
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A PROJECT # 3852301

MATCHLINE C2.02

**UTILITY NOTE:**

ALL ELECTRIC ROUTING SHOWN ON C-SHEETS IS SCHEMATIC. ALL UNDERGROUND ELECTRICAL CONDUIT SHALL BE COORDINATED IN THE FIELD WITH THE LANDSCAPE ARCHITECT. REFERENCE MEP ELECTRICAL DRAWINGS FOR ADDITIONAL ELECTRICAL INFORMATION.

PROTECT & MAINTAIN ALL  
EXISTING UTILITIES UNLESS  
OTHERWISE SPECIFIED ON  
THE PLANS (TYP)

EXISTING  
UTILITY POLE

PROPOSED BROADBAND  
SERVICE CONDUIT  
(REF. MEP)

AVOID TRENCHING CONDUIT  
WITHIN DRIPLINE OF EXISTING  
AND PROPOSED TREES

PROTECT & MAINTAIN ALL  
EXISTING UTILITIES UNLESS  
OTHERWISE SPECIFIED ON  
THE PLANS (TYP)

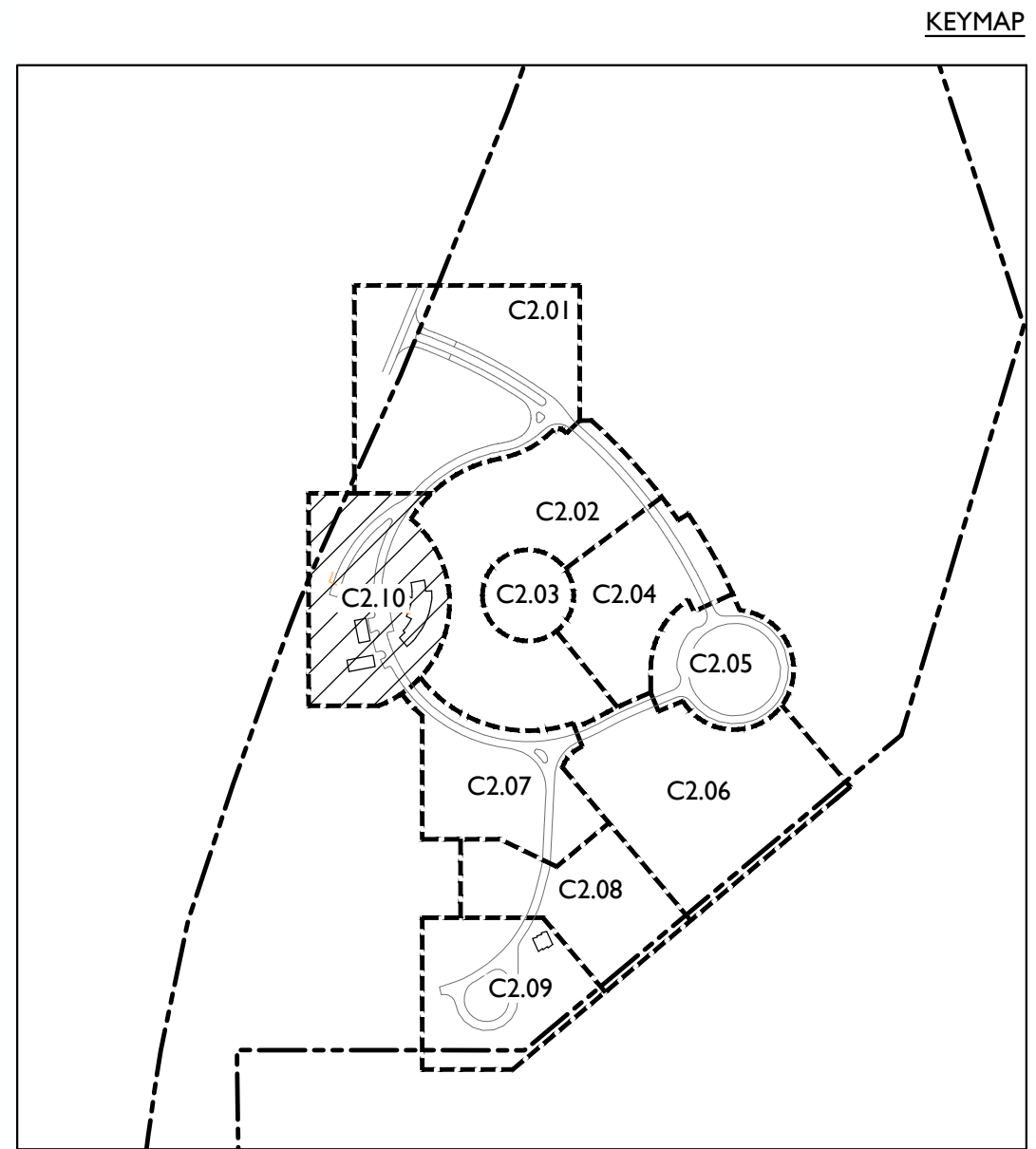
GRATE INLET  
TOP-253.59  
INV-249.94

INSTALL SURGE  
PROTECTOR AT  
EXISTING PANEL  
(REF. MEP)

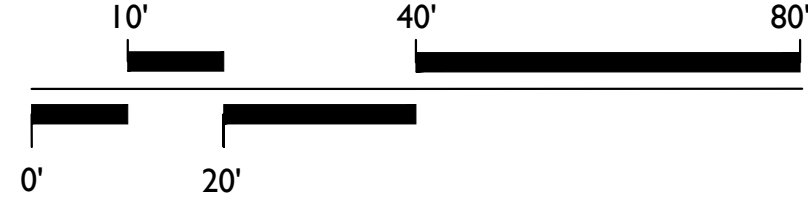
PROTECT & MAINTAIN ALL  
EXISTING UTILITIES UNLESS  
OTHERWISE SPECIFIED ON  
THE PLANS (TYPED)

UNDERGROUND ELECTRICAL CONDUIT, COORDINATION  
ROUTING AND JUNCTION BOX LOCATIONS IN THE FIELD  
WITH THE LANDSCAPE ARCHITECT  
(REF. ME)

MATCHLINE



SCALE: 1" = 20'-0"







## ARKANSAS STATE VETERANS CEMETERY - BIRDEYE

**Arkansas State Veterans Cemetery**  
 Birdeye, Arkansas  
 STATE OF ARKANSAS - Department of Veterans Affairs  
 501 Woodlane Drive, Suite 401N  
 Little Rock, Arkansas 72201

<b>EDG PROJECT NO.</b>		<b>ZI-047</b>
<b>DATE</b>	<b>2023.06.18</b>	
<b>REVISIONS</b>		
<b>Number</b>	<b>Date</b>	
<b>PHASE</b>		<b>100% Construction Documents</b>
<b>TITLE</b>		<b>Overall Grading &amp; Drainage Plan</b>
<b>SHEET NO.</b>		<b>C3.00</b>
<b>DWG. NO./REV. NO.</b>		



# OVERALL GRADING & DRAINAGE PLAN

SCALE: 1" = 100'-0"























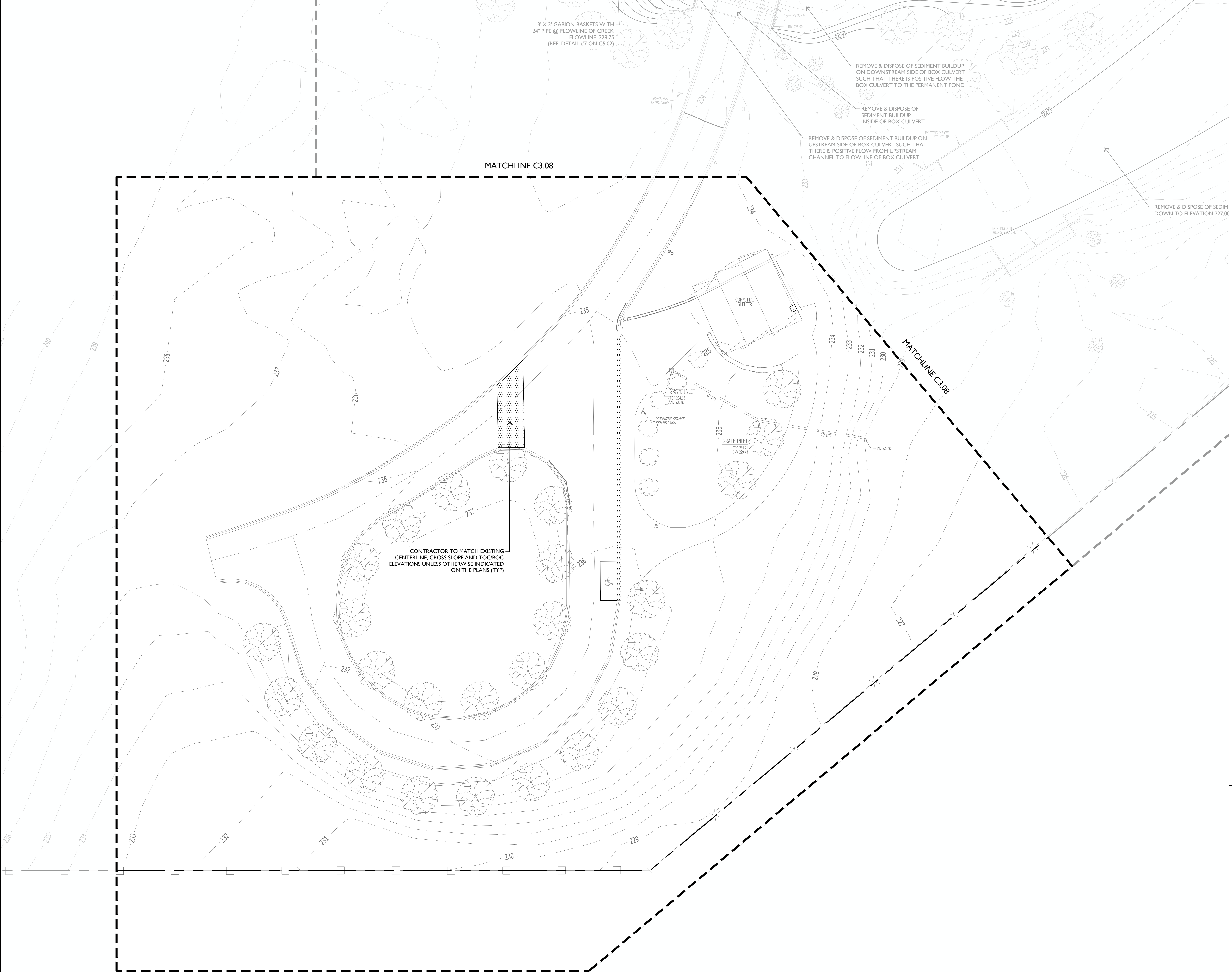
## GRADING & DRAINAGE PLAN



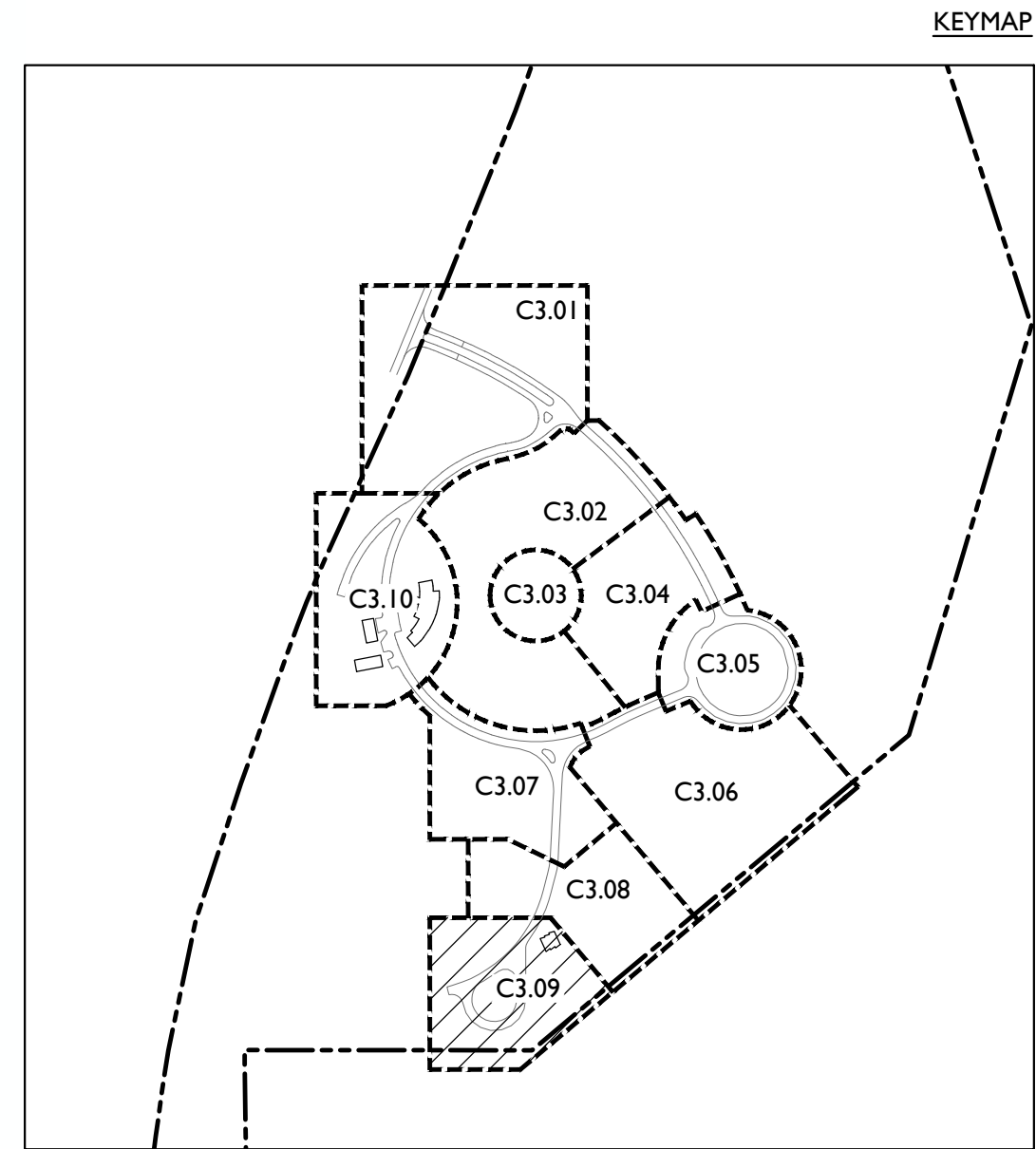
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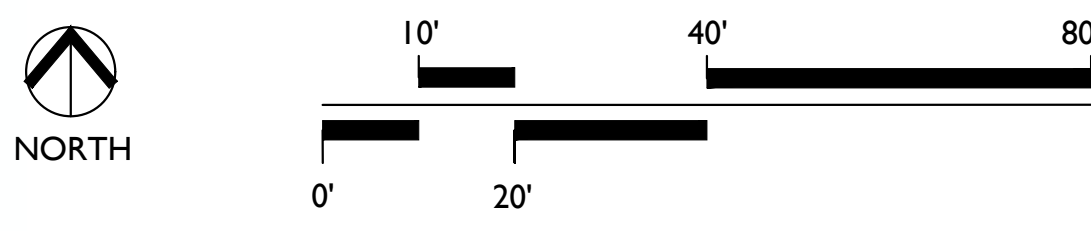




- PROPOSED LEGEND**
- JUNCTION BOX
  - NYLOPLAST CATCH BASIN - SEE PLAN FOR SIZE AND SHAPE
  - CLEANOUT - SEE PLAN FOR SIZE AND SHAPE
  - FLARED END SECTION
  - STORM PIPE - SEE PLAN FOR SIZE AND LOCATION
  - PROPOSED 1 FT. CONTOUR ELEVATION
  - PROPOSED 5 FT. CONTOUR ELEVATION
  - EXISTING 1 FT. CONTOUR ELEVATION
  - EXISTING 5FT. CONTOUR ELEVATION
  - SPOT ELEVATIONS



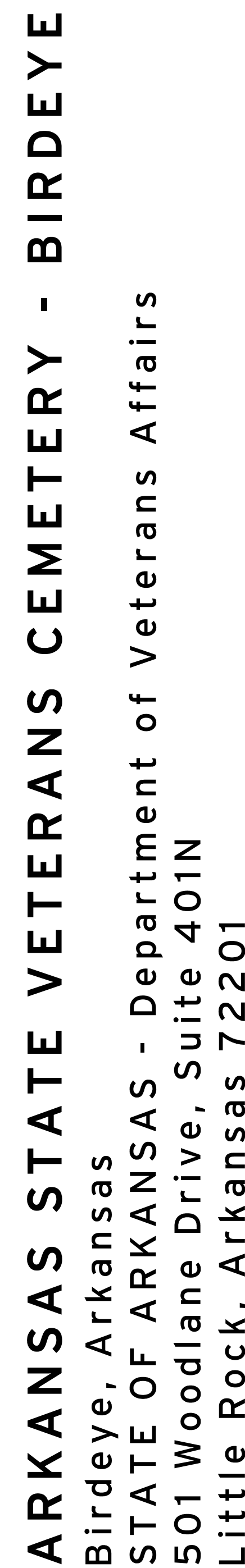
**1 GRADING & DRAINAGE PLAN**  
SCALE: 1" = 20'-0"



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STATE OF ARKANSAS - Department of Veterans Affairs  
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EDG PROJECT NO.	21-047
DATE	2023.06.18
REVISIONS	
Number	Date
PHASE	100% Construction Documents
TITLE	Grading & Drainage Plan
SHEET NO.	<b>C3.09</b>
DBA PROJECT #	3892301





EDG PROJECT NO.		ZI-047
DATE	2023.06.18	
REVISIONS		
Number	Date	
PHASE		100% Construction Documents
TITLE	Overall Erosion Control Plan	
SHEET NO.	C4.00	
DBA PROJECT # 3852301		



**OVERALL EROSION  
CONTROL PLAN**

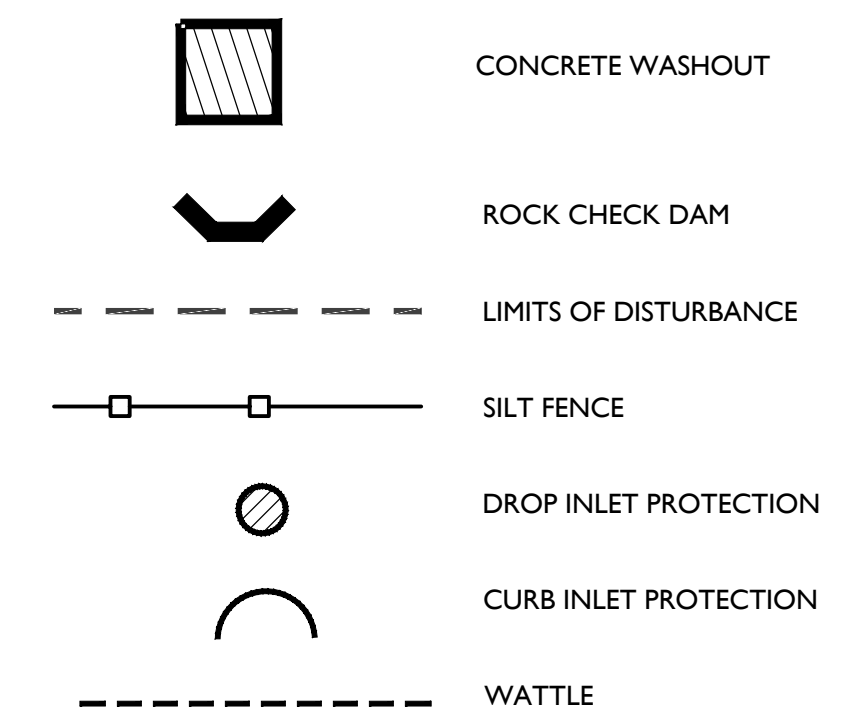
SCALE: 1" = 100'-0"

50' 200' 400'

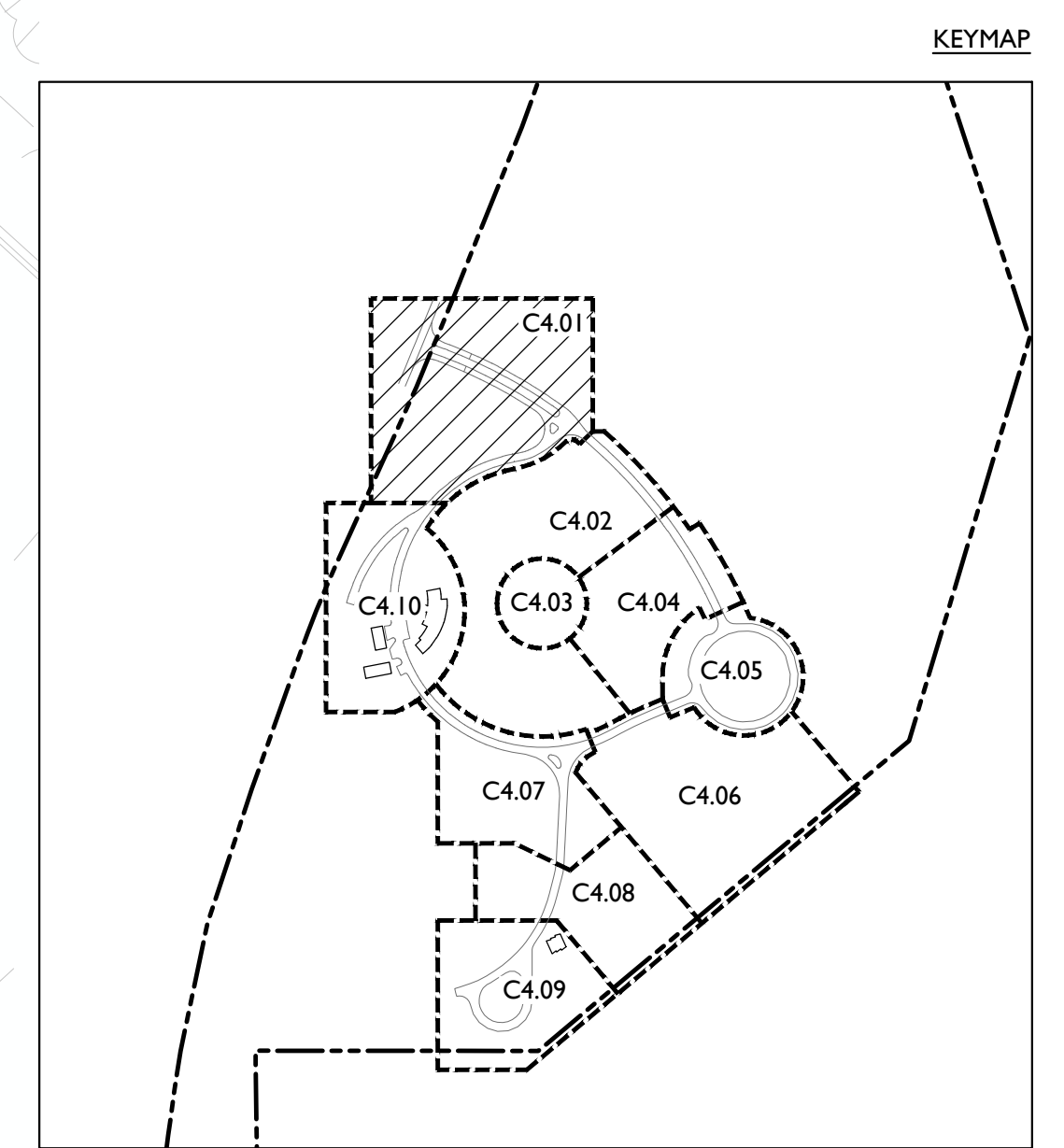
0' 100'

NORTH



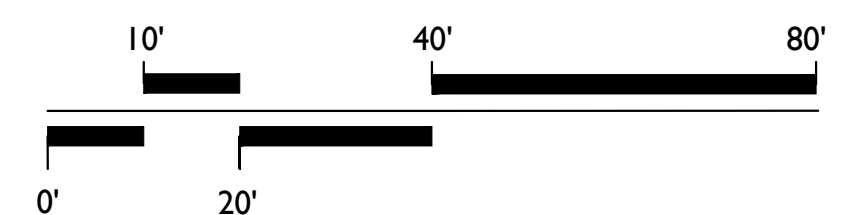


EDG PROJECT NO.		21-047
DATE		2023.06.18
<b>REVISIONS</b>		
Number	Date	
<b>PHASE      100% Construction Documents</b>		
<b>TITLE      Erosion Control Plan</b>		
<div style="display: flex; justify-content: space-between; align-items: center;"> <span>SHEET NO.</span> <span style="font-size: 2em; font-weight: bold;">C4.01</span> </div>		



# EROSION CONTROL PLAN

SCALE: 1" = 20'-0"



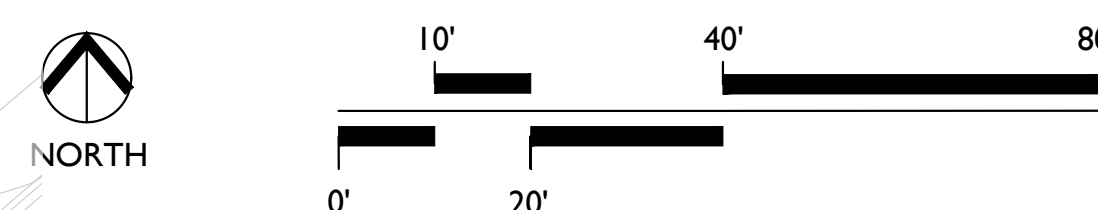
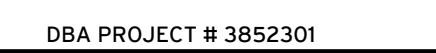




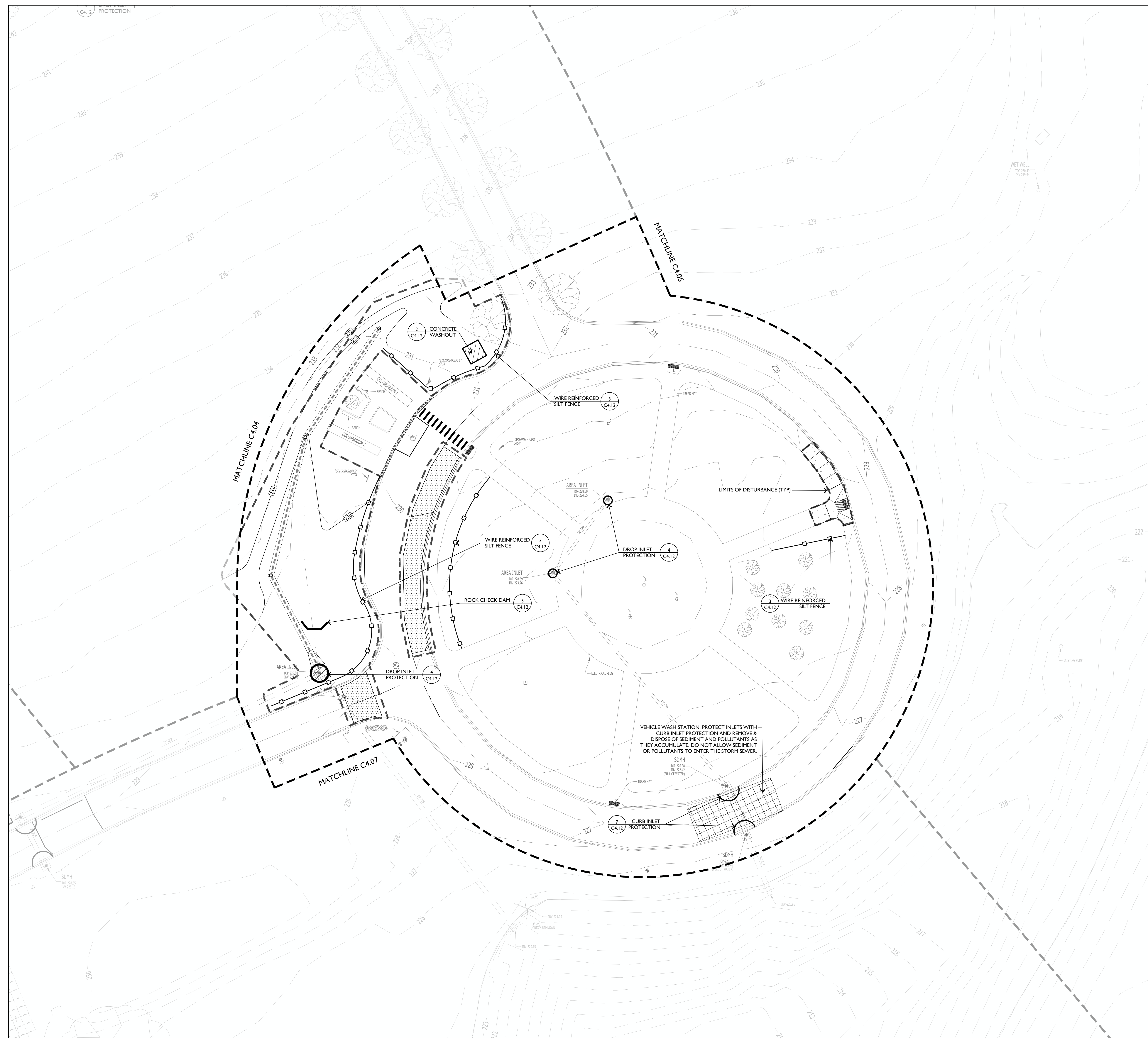






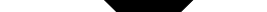












## EROSION CONTROL PLAN LEGEND

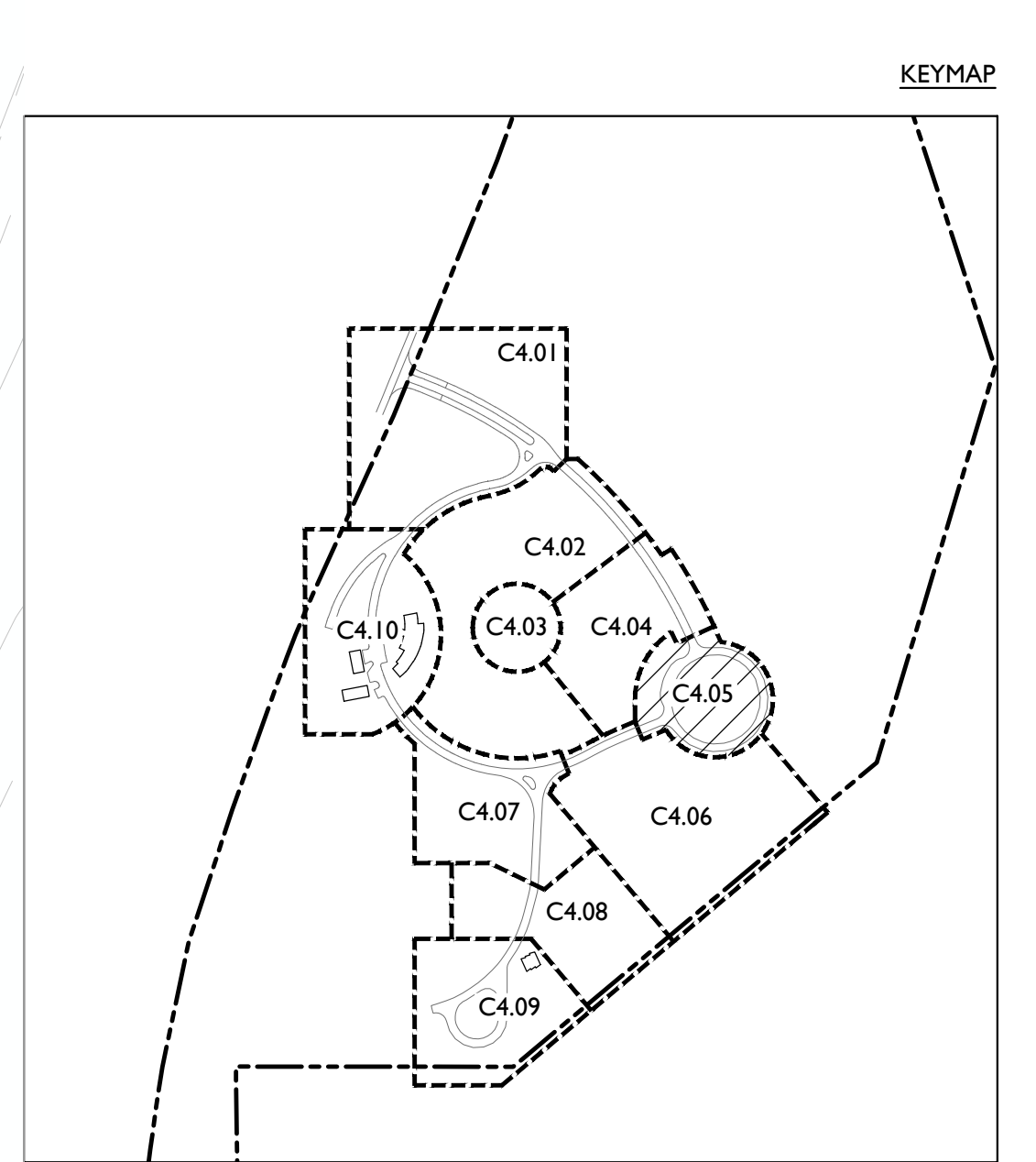
	CONCRETE WASHOUT
	ROCK CHECK DAM
	LIMITS OF DISTURBANCE
	SILT FENCE
	DROP INLET PROTECTION
	CURB INLET PROTECTION
	WATTLE

**E | D | G**  
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phone: 501 378 0200  
LITTLE ROCK | ROGERS | WYNNE

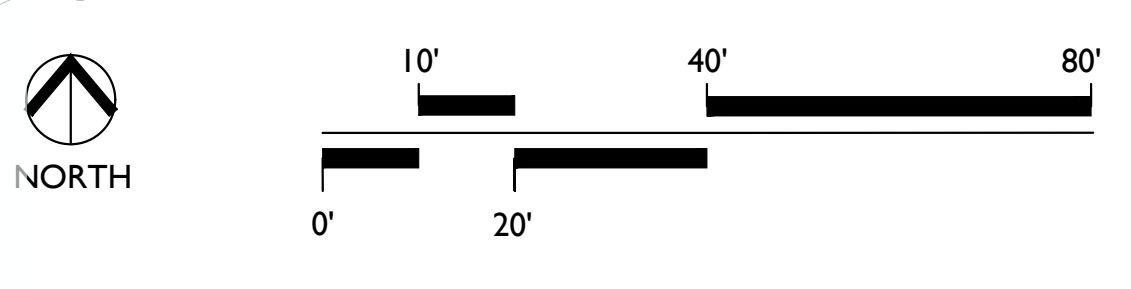


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# EROSION CONTROL PLAN



EDG PROJECT NO.		21-047
DATE		2023.06.18
REVISIONS		
Number	Date	
PHASE		
100% Construction Documents		
TITLE		
Erosion Control Plan		
SHEET NO.		
C4.05		





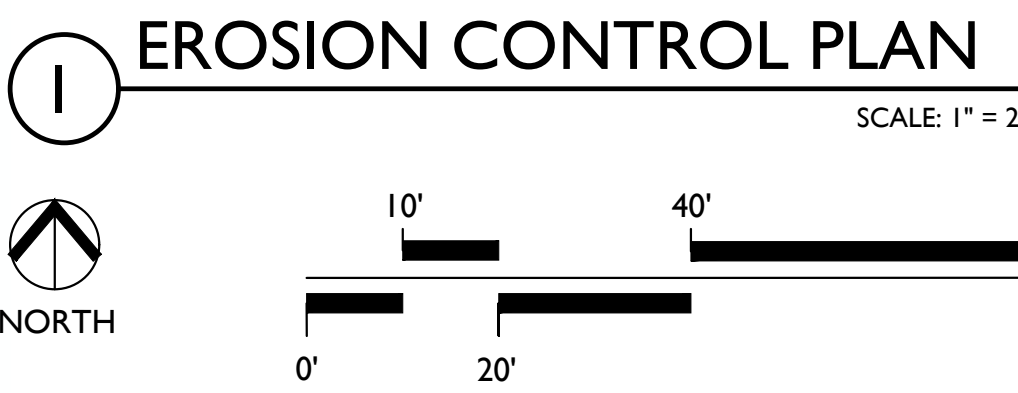
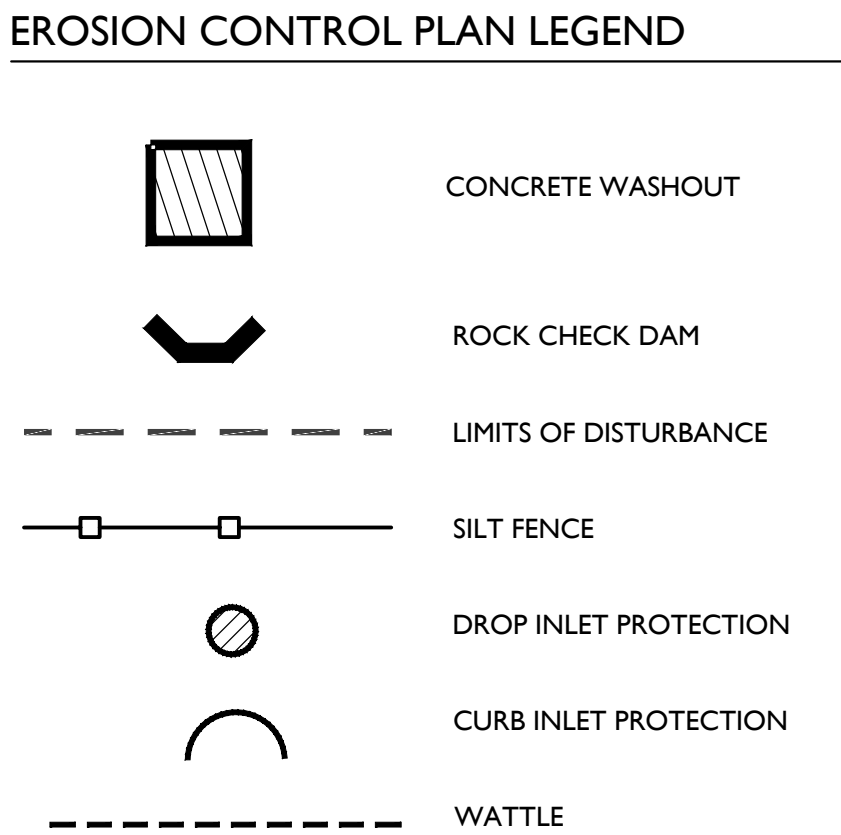








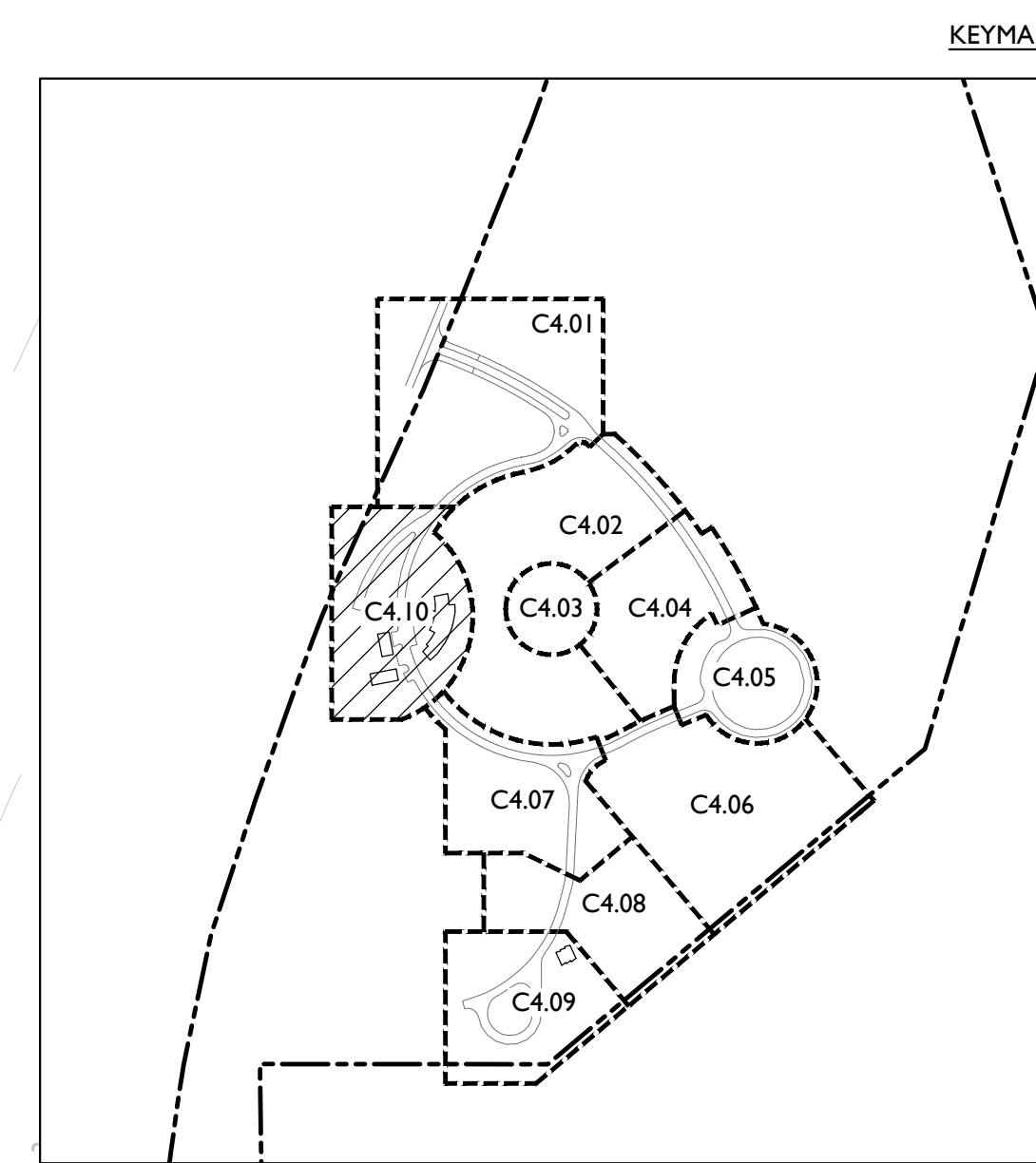




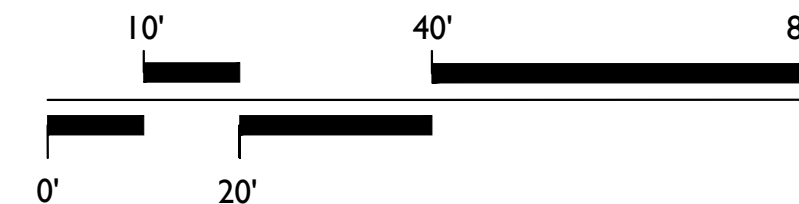
Know what's below.  
Call before you dig.

EDG PROJECT NO.	21-047
DATE	2023.06.18
<b>REVISIONS</b>	
Number	Date
PHASE	100% Construction Documents
TITLE	Erosion Control Plan
SHEET NO.	C4.09
DBA PROJECT # 3852301	

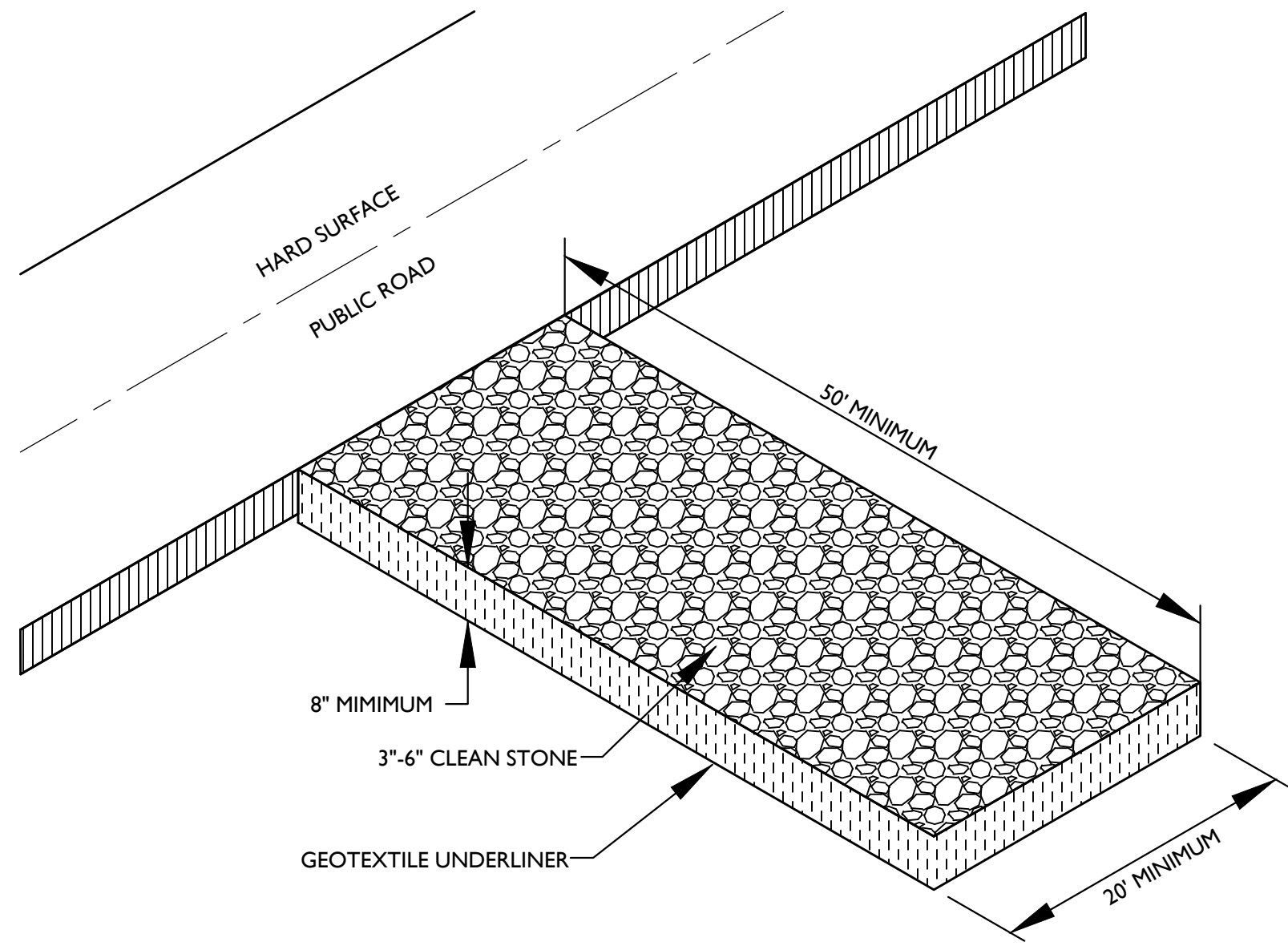




SCALE: 1" = 20'-0"





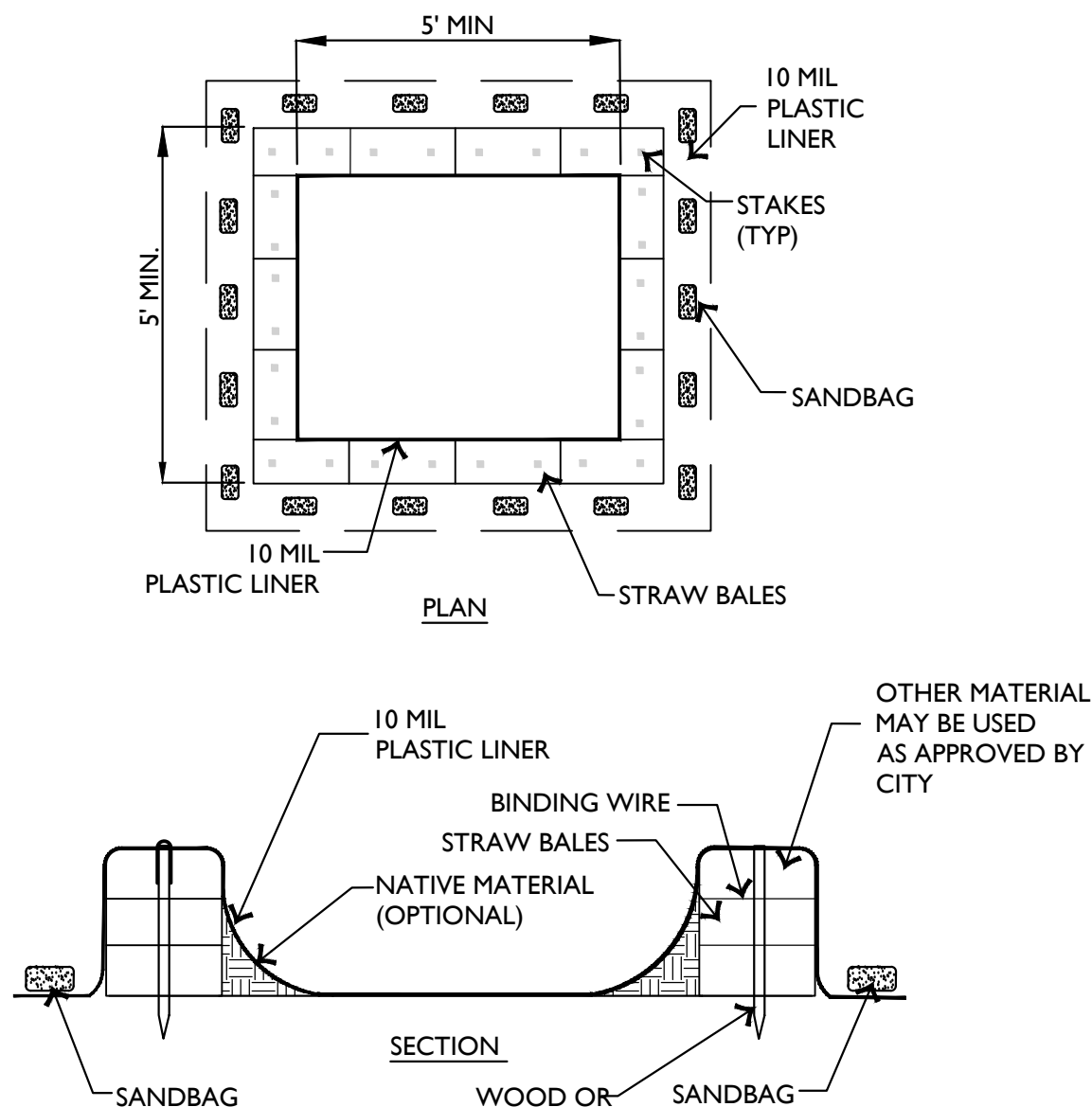


CONSTRUCTION EXIT NOTES

1. REPLACE CONTAMINATED STONE AS REQUIRED TO PREVENT TRACKING OF SEDIMENT OR MUD ON PUBLIC STREETS.
2. CLEAN STREETS DAILY WITH BROOM AND SHOVEL. THE USE OF WATER IS PROHIBITED.
3. ALL VEHICLES MUST USE CONSTRUCTION EXIT.

1 CONSTRUCTION ENTRANCE/EXIT

SCALE: N.T.S.

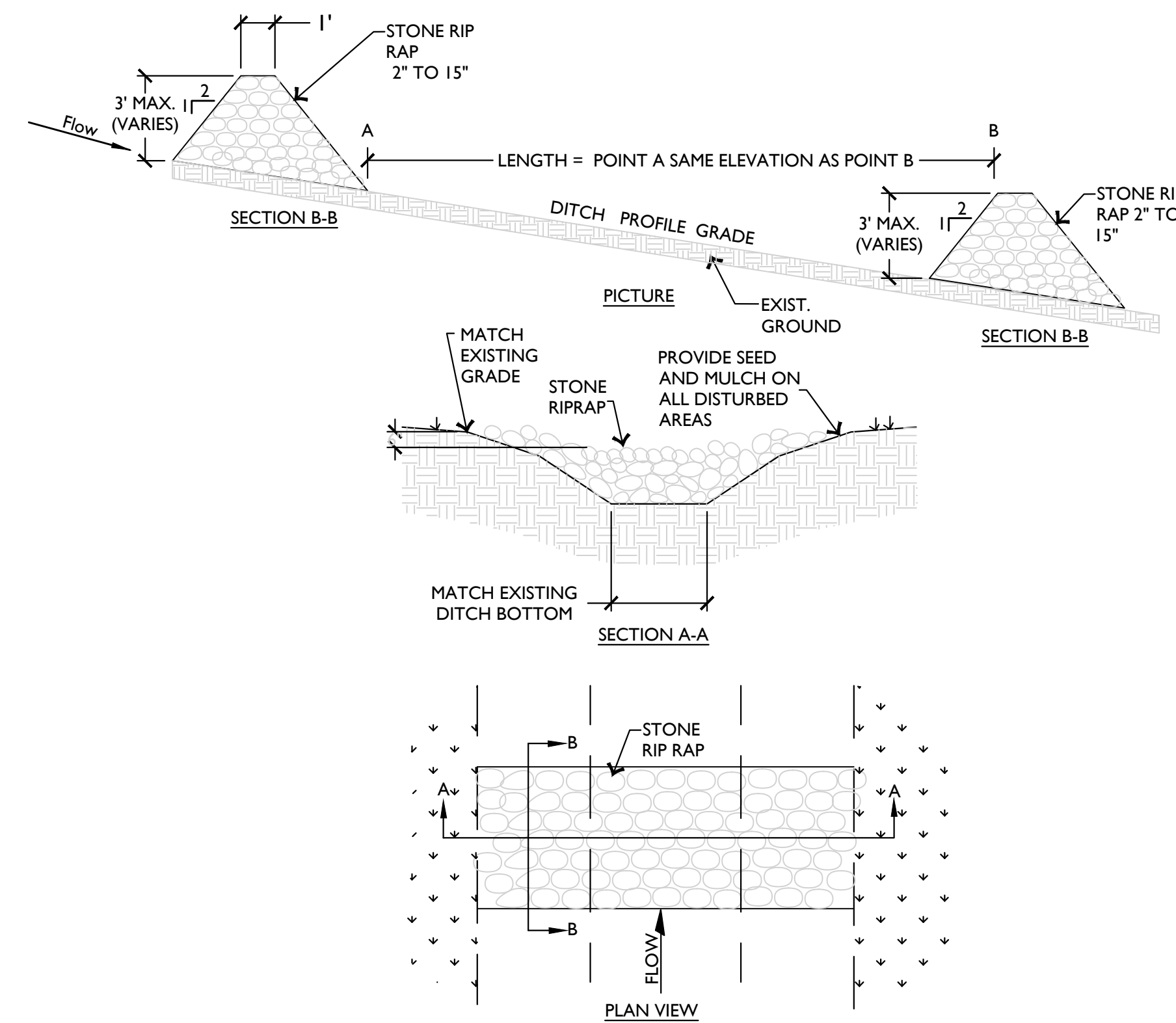


WASHOUT NOTES

1. NO WASHING OUT OF CONCRETE TRUCKS OR WASHING OF SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS IS ALLOWED.
2. EXCESS CONCRETE IS NOT ALLOWED TO BE DUMPED ON-SITE, EXCEPT IN DESIGNATED TEMPORARY CONCRETE WASHOUT PIT AREAS.
3. ON-SITE TEMPORARY CONCRETE WASHOUT AREAS WILL BE LOCATED AT LEAST 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES AS DETERMINED IN THE FIELD.
4. TEMPORARY CONCRETE WASHOUT FACILITIES WILL BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
5. WASHOUT FACILITIES WILL BE CLEANED OUT OR REPLACED ONCE THE WASHOUT IS 75% FULL.
6. PLASTIC LINING MATERIAL WILL BE MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND WILL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS.
7. WHEN WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR WORK, THE HARDENED CONCRETE WILL BE REMOVED AND DISPOSED OF OFFSITE. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES WILL BE REMOVED FROM THE SITE AND DISPOSED OF.

2 CONCRETE WASHOUT

SCALE: N.T.S.



INSTALLATION:

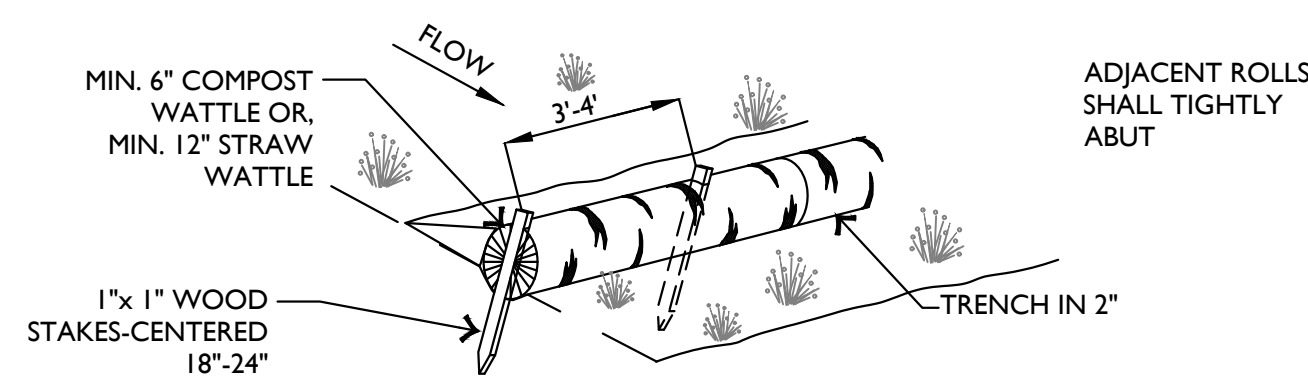
1. EXCAVATE KEY-WAY (IF REQUIRED)
2. A GEOTEXTILE FABRIC SHALL BE INSTALLED OVER THE SOIL SURFACE WHERE THE ROCK IS TO BE PLACED (IF REQUIRED)
3. ROCK DIAMETERS SHOULD BE 2" TO 15" IN DIAMETER
4. ROCK DITCH CHECKS SHOULD NOT EXCEED 3 FEET
5. STONES SHOULD BE PLACED UP THE CHANNEL BANKS TO PREVENT WATER FROM CUTTING AROUND THE DITCH CHECK
6. INSTALLATION SHALL BE PLACED EITHER BY HAND OR MECHANICALLY AND NOT JUST DUMPED TO ACHIEVE COMPLETE COVERAGE OF THE DITCH AND ENSURE THE CENTER OF THE DAMN IS LOWER THAN THE EDGES
7. MAXIMUM SPACING BETWEEN MULTIPLE DAMS SHOULD BE SUCH THAT THE TOE OF THE UPSTREAM CHECK IS THE SAME AS THE TOP OF THE DOWNSTREAM CHECK

INSPECTION:

- INSPECT ROCK DITCH CHECKS EVERY (7) CALENDAR DAYS AND WITH-IN 24 HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 1/2" PRECIPITATION.
- SEDIMENT SHOULD BE REMOVED WHEN IT REACHES 1/2 THE ORIGINAL CHECK HEIGHT.
- IN THE CASE OF GRASS-LINED DITCHES OR SWALES, ROCK DITCH CHECKS SHOULD BE REMOVED WHEN THE GRASS HAS MATURED SUFFICIENTLY TO PROTECT THE DITCH OR SWALE, IF THE SLOPE IS 4% OR LESS.
- THE AREA BENEATH THE ROCK DITCH CHECKS SHOULD BE SEEDED AND MULCHED IMMEDIATELY AFTER THE CHECK DAM REMOVAL

5 ROCK CHECK DAM

SCALE: N.T.S.

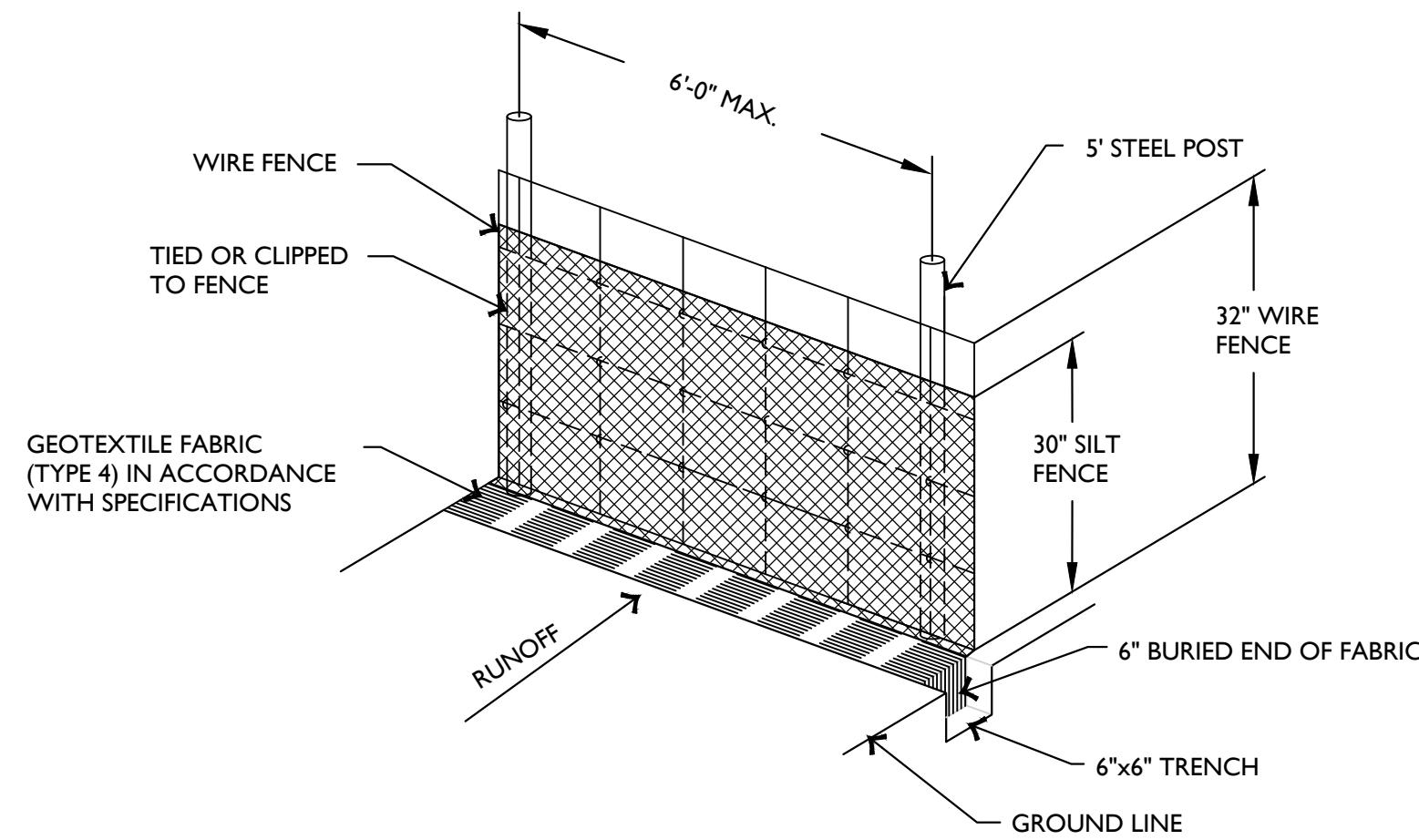


INSTALLATION NOTES

1. WATTLES SHALL CONSIST OF STRAW, COMPOST, EXCELSIOR, OR COCONUT FIBER.
2. NOT FOR USE IN CONCENTRATED FLOW AREAS.
3. THE WATTLES SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF TWO (2) INCHES.
4. WATTLES SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.
5. ON SLOPES, WATTLES SHOULD BE INSTALLED ON CONTOUR WITH A SLIGHT UPWARD CURVE AT THE END OF THE ROW IN ORDER TO CREATE PONDING.
6. RUNNING LENGTHS OF WATTLES SHOULD BE ABUTTED FIRMLY TO ENSURE NO LEAKAGE AT THE ABUTMENTS.
7. WHEN INSTALLING RUNNING LENGTHS OF WATTLES, BUTT THE SECOND WATTLE TIGHTLY AGAINST THE FIRST, DO NOT OVERLAP THE ENDS. STAKE THE WATTLES AT EACH END AND FOUR FOOT ON CENTER.
8. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE, LEAVING 2 - 3 INCHES OF THE STAKE PROTRUDING ABOVE THE WATTLE. WHEN INSTALLING WATTLES ON SLOPES, DRIVE THE STAKES PERPENDICULAR TO THE SLOPE.
9. DRIVE THE FIRST END STAKE OF THE SECOND WATTLE AT AN ANGLE TOWARD THE FIRST WATTLE IN ORDER TO HELP ABUT THEM TIGHTLY TOGETHER.
10. STAKING- THE CITY RECOMMENDS USING WOOD STAKES TO SECURE THE WATTLES. 1/2" TO 5/8" REBAR IS ALSO ACCEPTABLE WITH A SAFETY CAP. BE SURE TO USE A STAKE THAT IS LONG ENOUGH TO PROTRUDE SEVERAL INCHES ABOVE THE WATTLE.
11. THE CONTRACTOR SHALL INSPECT WATTLES EVERY TWO WEEKS AND AFTER ANY SIGNIFICANT STORM EVENT AND MAKE REPAIRS OR REMOVE SEDIMENT ACCUMULATED BEHIND WATTLE AS NECESSARY.
12. SEDIMENT ACCUMULATED BEHIND WATTLE SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO ONE HALF THE DIAMETER OF THE WATTLE.
13. WATTLES SHALL REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND IS ACCEPTED BY THE CITY.

6 WATTLE

SCALE: N.T.S.

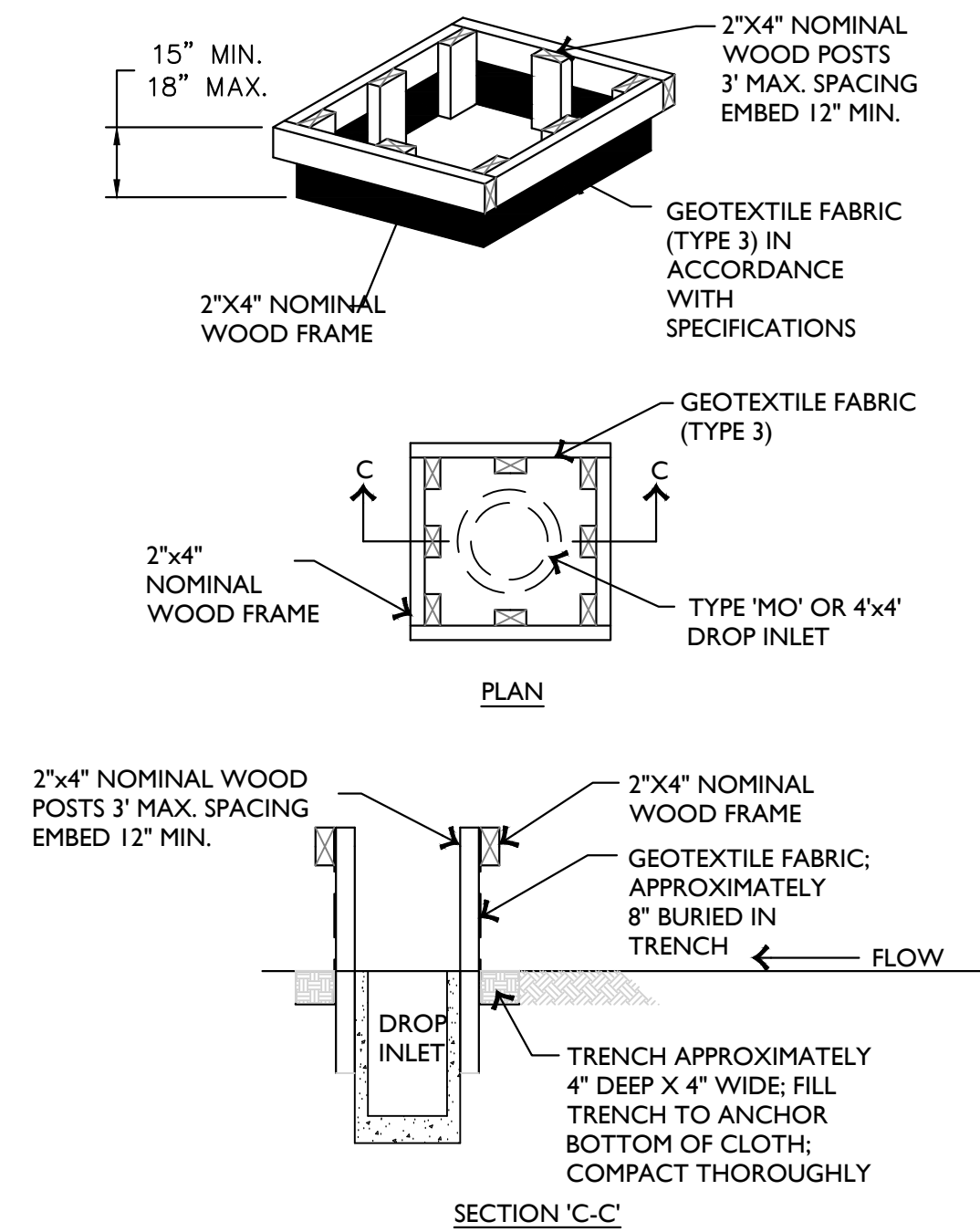


SILT FENCE NOTES:

1. POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. HERE FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS ATTACHED TO THE FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
5. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

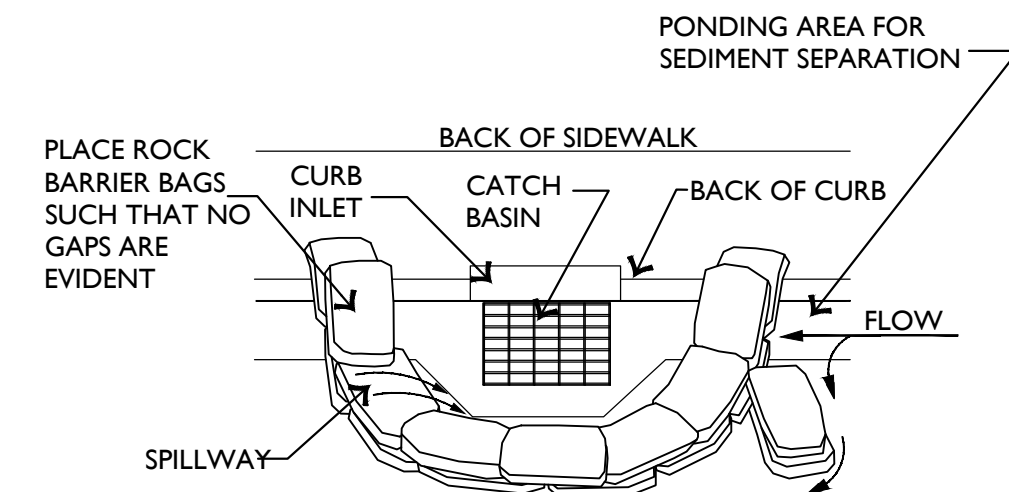
3 WIRE REINFORCED SILT FENCE

SCALE: N.T.S.



4 DROP INLET PROTECTION

SCALE: N.T.S.



NOTES:

1. BAGS OF WOVEN GEOTEXTILE FABRIC, FILLED WITH GRAVEL MUST BE LAYERED SUCH THAT NO GAPS ARE EVIDENT.
2. LEAVE ONE SANDBAG GAP IN THE TOP ROW ON THE SIDE AWAY FROM FLOW, TO PROVIDE A SPILLWAY; OR IN THE CENTER IF PONDING IS NEEDED ON BOTH SIDES.
3. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT; SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

7 CURB INLET PROTECTION

NOT TO SCALE

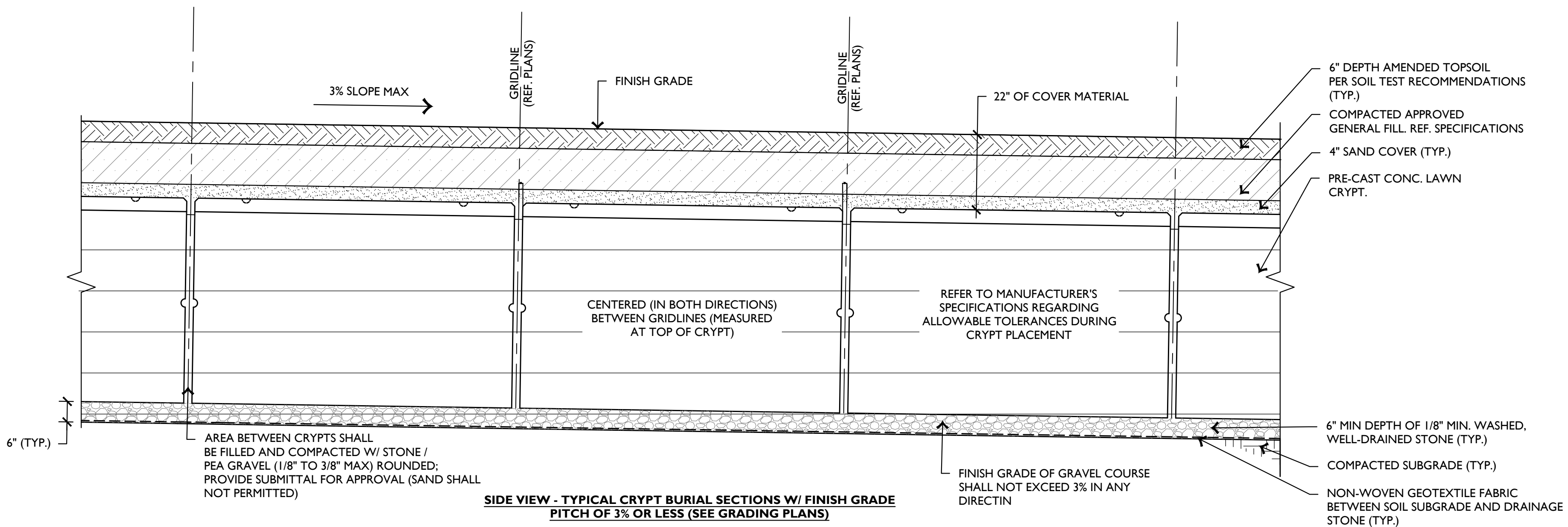
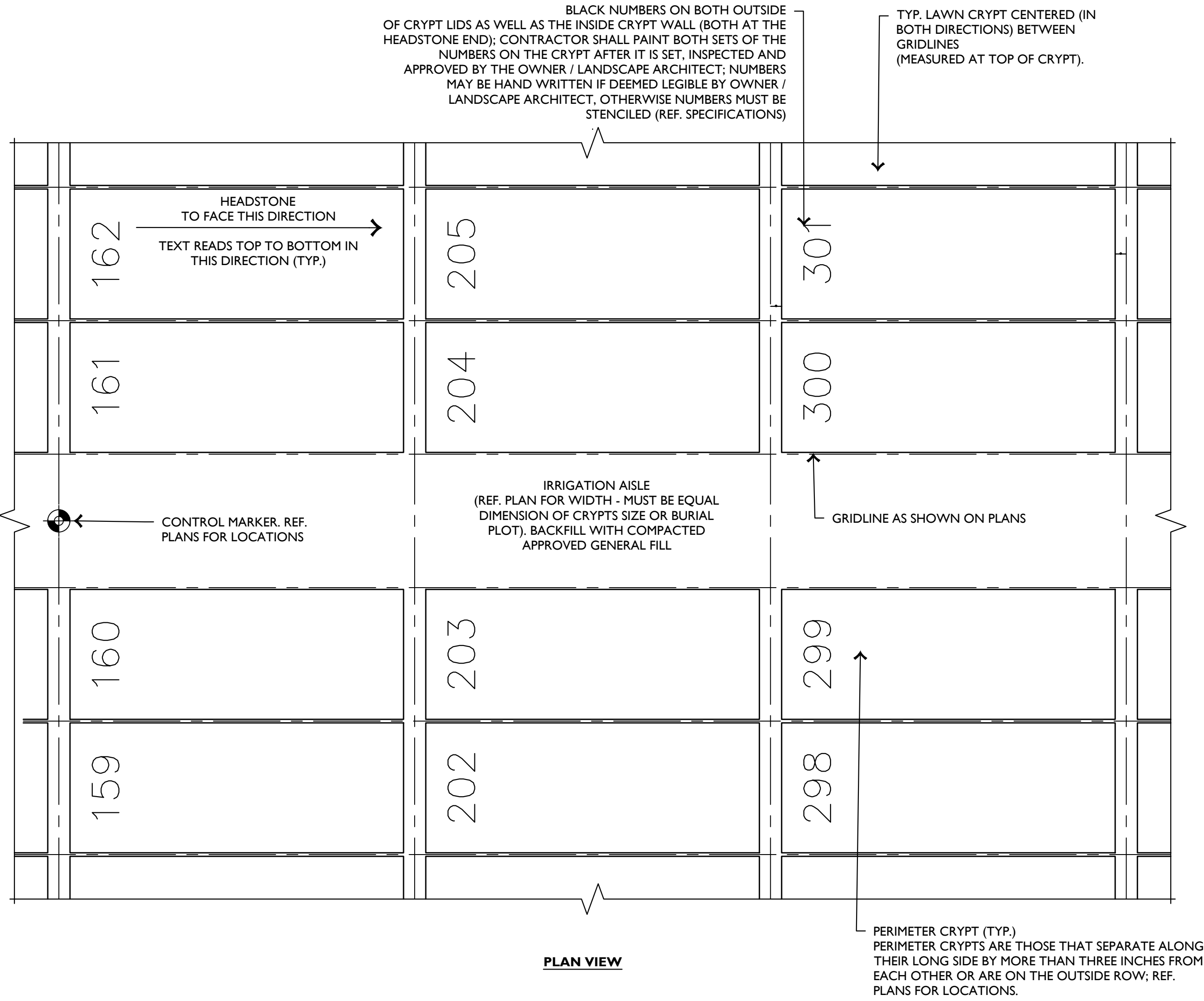




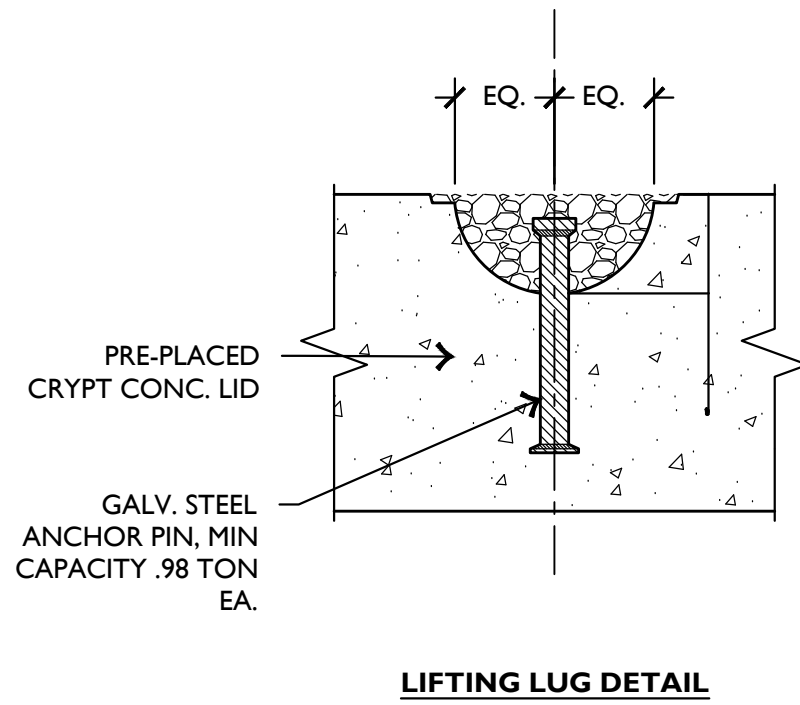
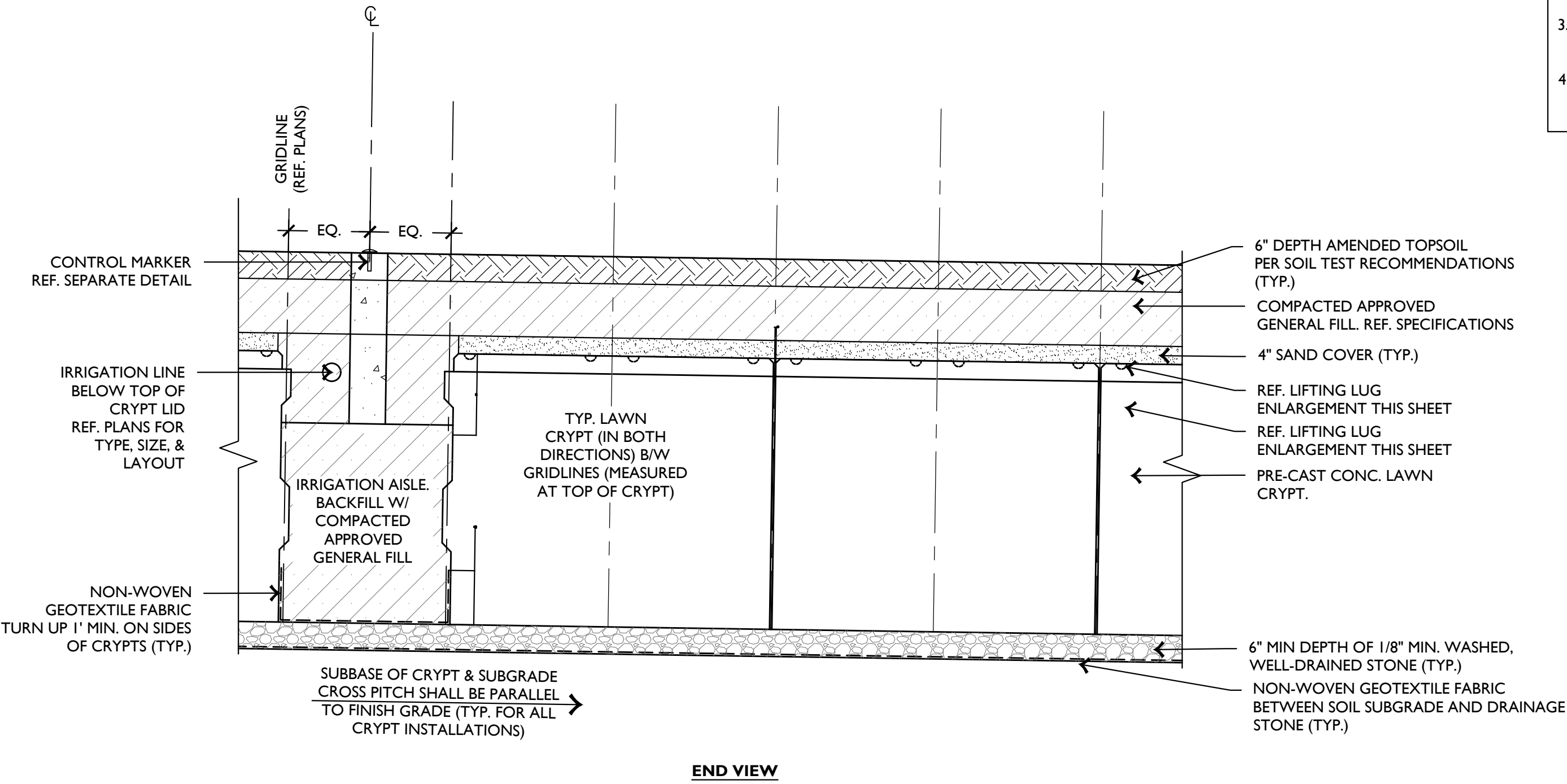
CRYPT / MONUMENT LAYOUT GENERAL NOTE:  
LAYOUT OF DOUBLE-DEPTH CRYPTS SHALL BE BASED UPON THE LOCATIONAL DATA FOR THE CONTROL MARKERS PROVIDED ON THE SITE PLANS. REFER TO THE PLANS FOR ADDITIONAL CRYPT LAYOUT INFORMATION. THE ACTUAL PLACEMENT OF THE CONTROL MARKERS SHALL OCCUR AFTER THE PLACEMENT OF ALL CRYPTS. TO ENSURE ACCURATE MARKER PLACEMENT, CONTRACTOR SHALL HAND-EXCAVATE SUFFICIENT MATERIAL (IN THE PROXIMITY OF EACH MARKER) TO EXPOSE THE CRYPT LIDS. REPLACE ALL EXCAVATED MATERIAL AFTER PLACEMENT OF MARKERS. MARKER PLACEMENT MUST BE BASED UPON THE ACTUAL INSTALLED CRYPT LOCATIONS. ANY DEVIATIONS FROM THE PLANS MUST BE RECORDED ON THE AS-BUILT DRAWINGS.

CONTRACTOR TO PROVIDE THE VA STANDARD LIFTING DEVICE FOR CRYPT LID REMOVAL TO THE VA. FURTHERMORE, CONTRACTOR SHALL ONLY USE THIS DEVICE FOR REMOVING LIDS DURING CONSTRUCTION.

MAINTAINING DEPTH OF COVER OVER ALL CRYPT LIDS IS CRITICAL. CONTRACTOR SHALL PROVIDE THE MEANS AND METHODS (AS APPROVED BY THE RESIDENT ENGINEER) TO VERIFY DEPTH OF COVER. DEFICIENCIES IN DEPTH (OR EXCESSES) SHALL BE REMEDIED (TO THE SATISFACTION OF THE RESIDENT INSPECTOR) PRIOR TO ACCEPTANCE OF CRYPT INSTALLATION.



- NOTES:
- CONCRETE CRYPTS SHALL BE INSTALLED BY THE CONTRACTOR. CRYPTS SHALL BE PROVIDED AND DELIVERED ON SITE BY OTHERS. CONTRACTOR SHALL COORDINATE WITH CRYPT PROVIDER ON DELIVERY. CONTRACTOR SHALL COORDINATE WITH ARKANSAS DEPARTMENT OF VETERANS AFFAIRS ON CRYPT MANUFACTURING AND TESTING.
  - GAPS BETWEEN CRYPTS CENTERED IN THE BURIAL PLOTS SHALL BE FILLED WITH STONE OR PEA GRAVEL, REF. SPECIFICATIONS.
  - CRYPT / VAULT DETAILS ARE SHOWN FOR REFERENCE ONLY. DIMENSIONS SHOWN ON THESE DETAILS ARE VARIABLE BASED UPON THE MANUFACTURER.
  - FINAL GAP SPACING AND FILL MATERIAL WILL BE DETERMINED AFTER SHOP DRAWINGS FROM THE CRYPT MANUFACTURER ARE REVIEWED AND APPROVED BY THE A/E AND ARKANSAS DEPARTMENT OF VETERANS AFFAIRS.



## 1 DOUBLE DEPTH CRYPT INSTALLATION

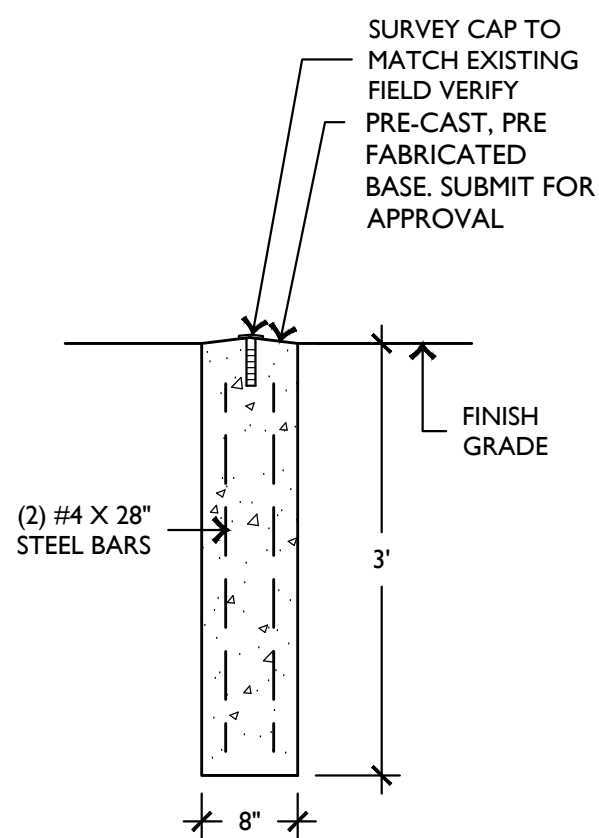
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## 2 NOT USED

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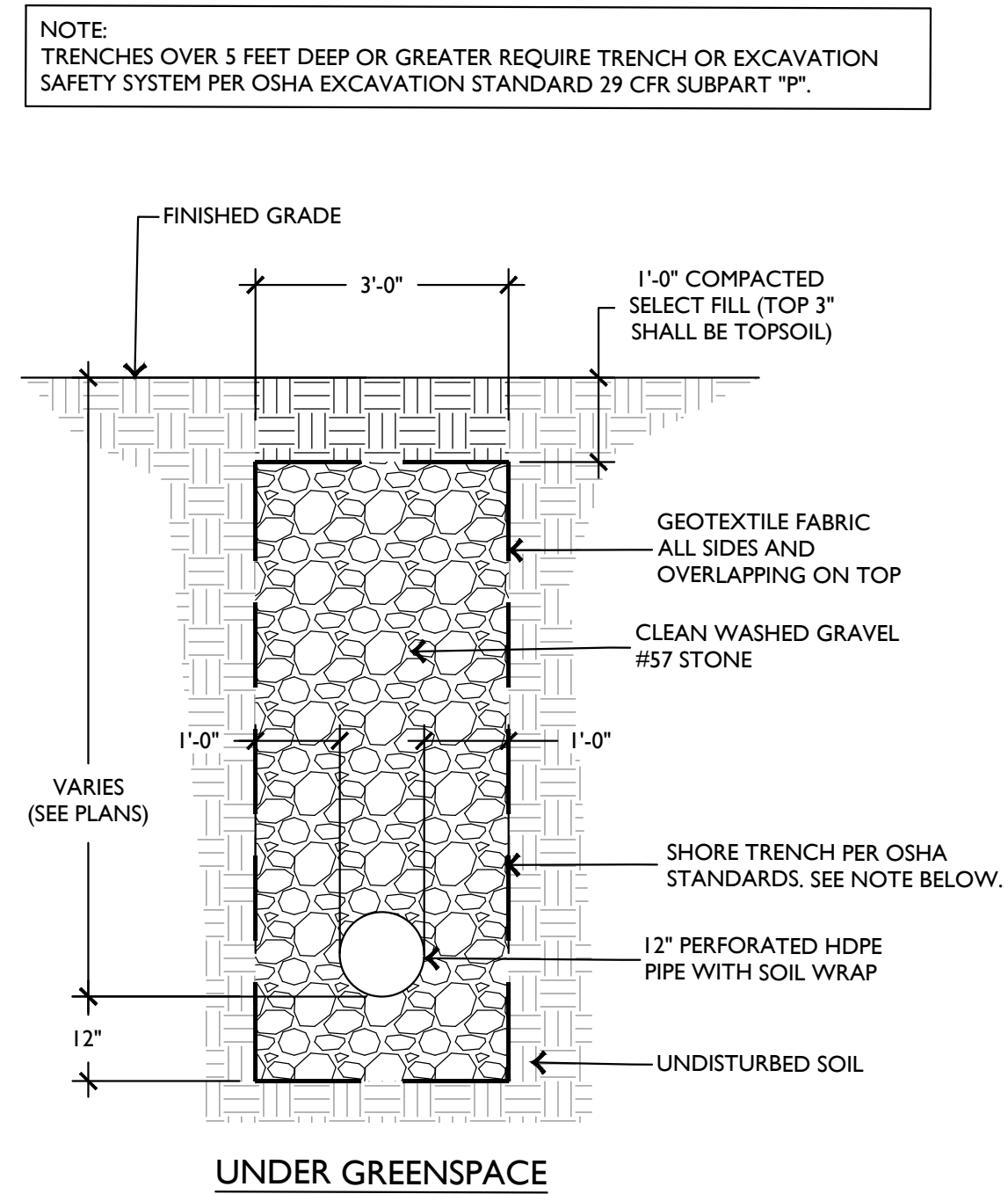
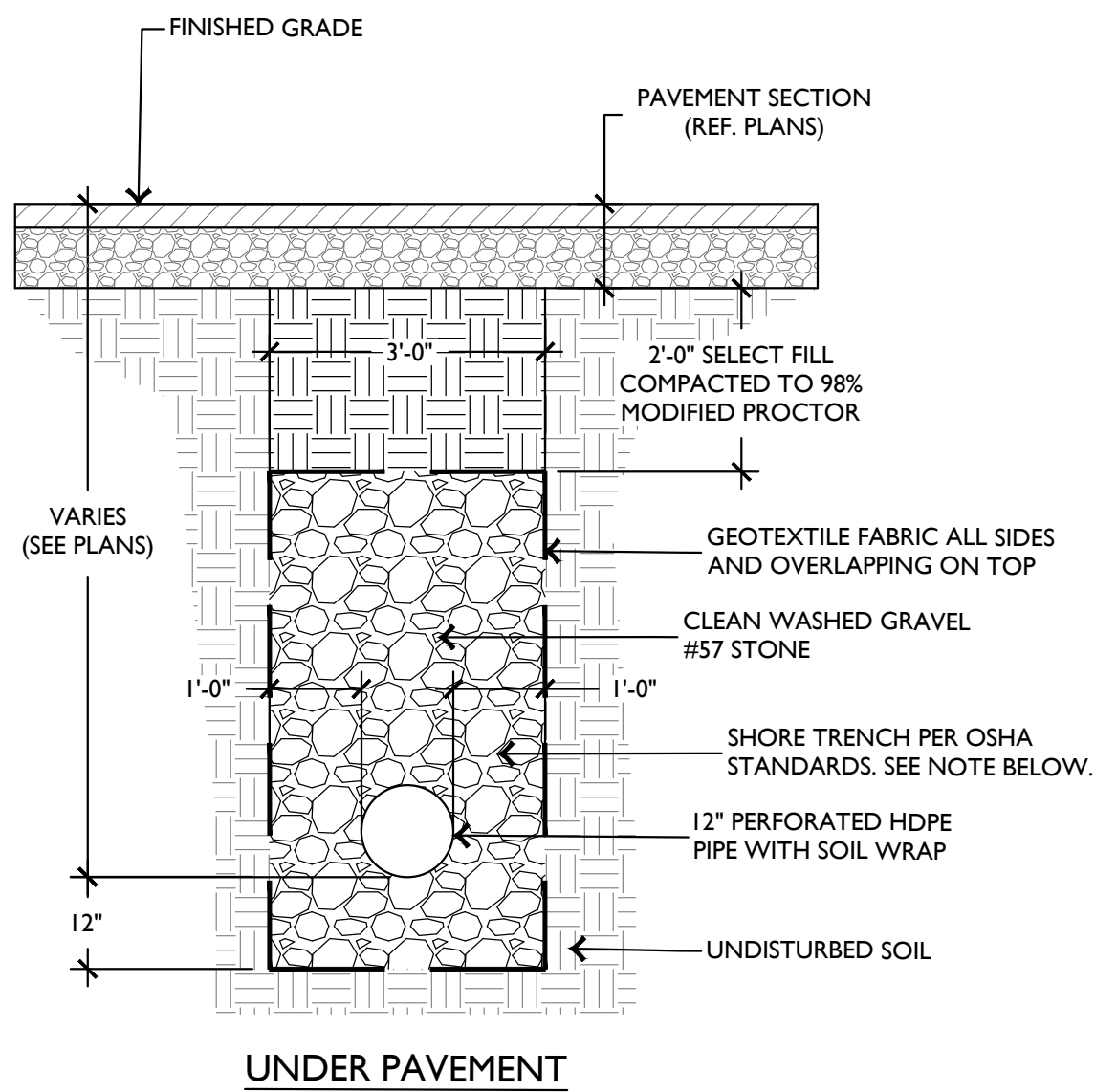
## 3 CONTROL MARKER

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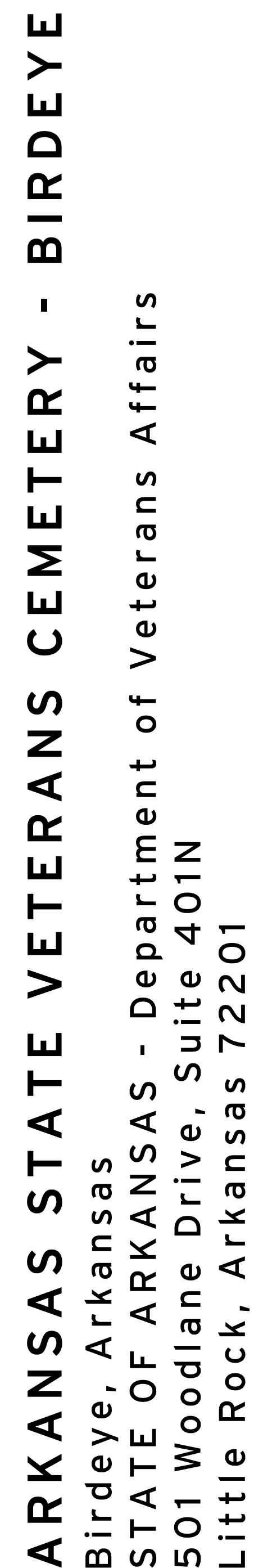


## 4 TYPICAL UNDERDRAIN TRENCH

SCALE: N.T.S.







1. CONTRACTION JOINTS SHALL BE 1/8" TO 3/8" X 1 1/2" AT 15 FT. INTERVALS. ALL CONTRACTION JOINTS AND COLD JOINTS SHALL BE FILLED WITH JOINT SEALANT TO FINISHED GRADE.
2. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,500 P.S.I.
3. EXPANSION MATERIAL SHALL BE REQUIRED AT ALL STATIONARY STRUCTURES AND ENDS OF CURB RETURNS. THE EXPANSION MATERIAL SHALL BE 1/2" ASPHALT IMPREGNATED FIBERBOARD CONFORMING TO AASHTO M-213. EXPANSION JOINT MATERIAL SHALL BE 1/2" DEEPER THAN GRADE OR TIMBERED 1/2" LOWER THAN GRADE.
4. EXPANSION JOINTS SHALL BE FILLED WITH JOINT SEALANT SHAPED TO THE CROSS SECTION OF THE CURB AND CONSTRUCTED AT RIGHT ANGLES WITH THE CURB LINE.
5. FINISH SHALL BE MEDIUM BROOM FINISH.

## SCALE: N.T.S.



- NOTES:
1. PROVIDE TRANSVERSE CONTRACTION JOINTS AT INTERVALS NOT EXCEEDING 5'-0" ON CENTER. PROVIDE CENTERLINE CONTRACTION JOINTS IN SIDEWALKS WIDER THAN 8'-0". SPACING OF CENTERLINE CONTRACTION JOINTS SHALL NOT EXCEED 6'-0".
  2. PROVIDE EXPANSION JOINTS AT INTERVALS NOT EXCEEDING 40'-0" ON CENTER OR NEXT TO STRUCTURES OR DRIVES.



1. PROVIDE TRANSVERSE CONTRACTION JOINTS AT INTERVALS NOT EXCEEDING 15'-0" ON CENTER AND EACH WAY. REF. PLANS
2. PROVIDE EXPANSION JOINTS AT INTERVALS NOT EXCEEDING 60'-0" ON CENTER AND EACH WAY. REF. PLANS

## SCALE: N.T.S.



1. THE CROSSWALK SHALL BE A THERMOPLASTIC WHITE MATERIAL. SUBMIT FOR APPROVAL
2. LENGTH AS REQUIRED TO CROSS ENTIRE STREET WIDTH. REF PLANS

SCALE: N.T.S.



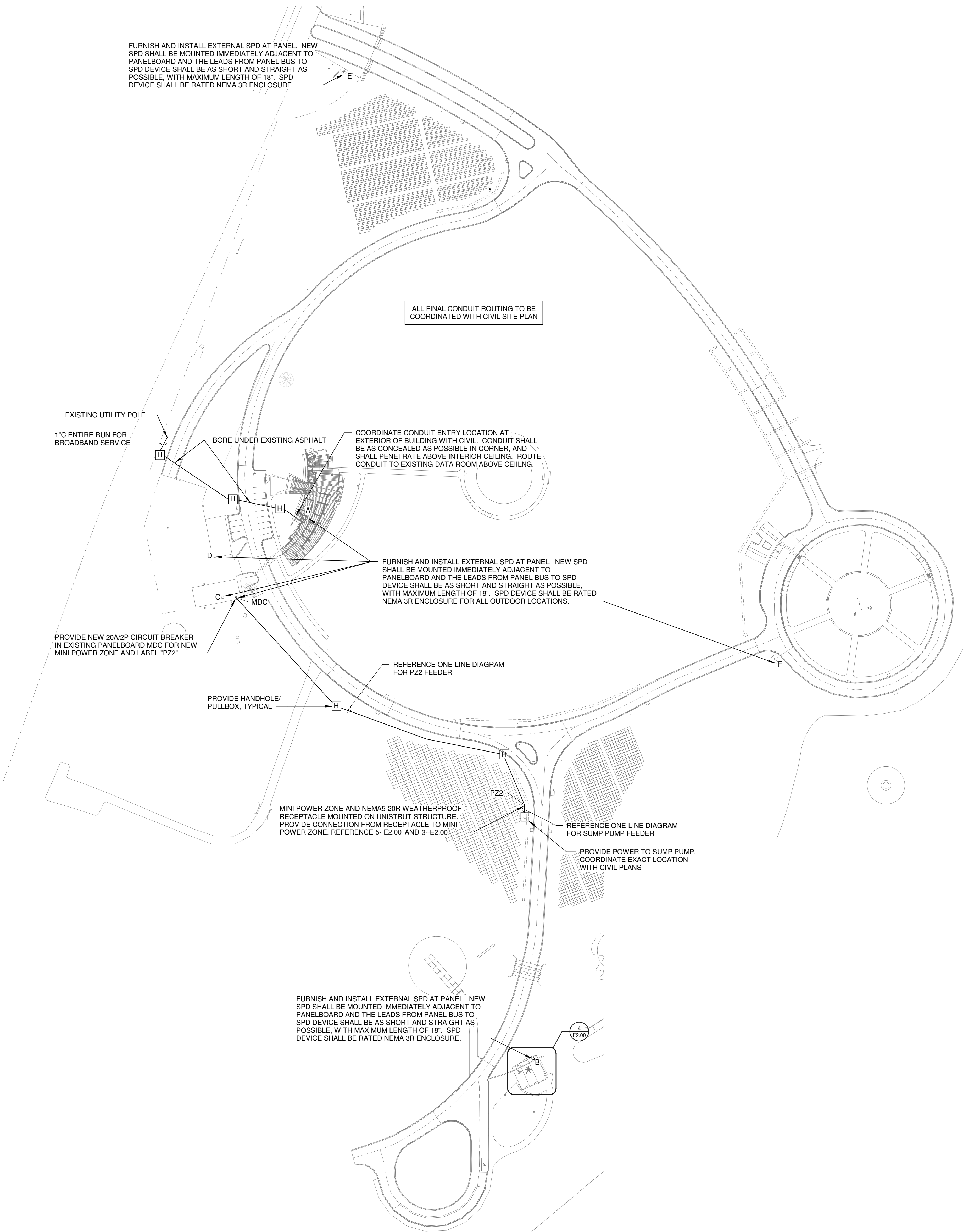
- SCALE: N.T.S





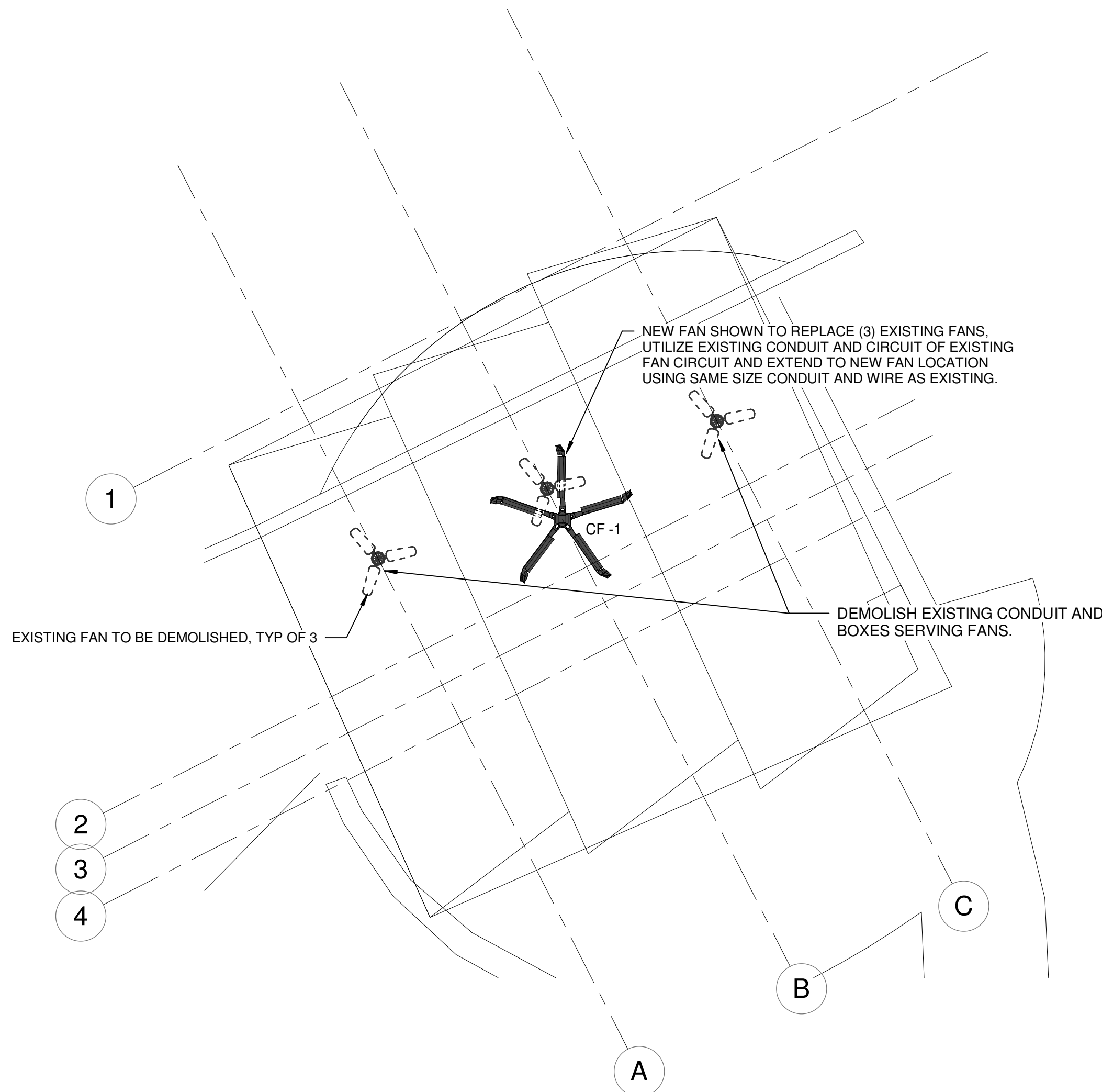


1 ELECTRICAL SITE PLAN  
1" = 80'-0"

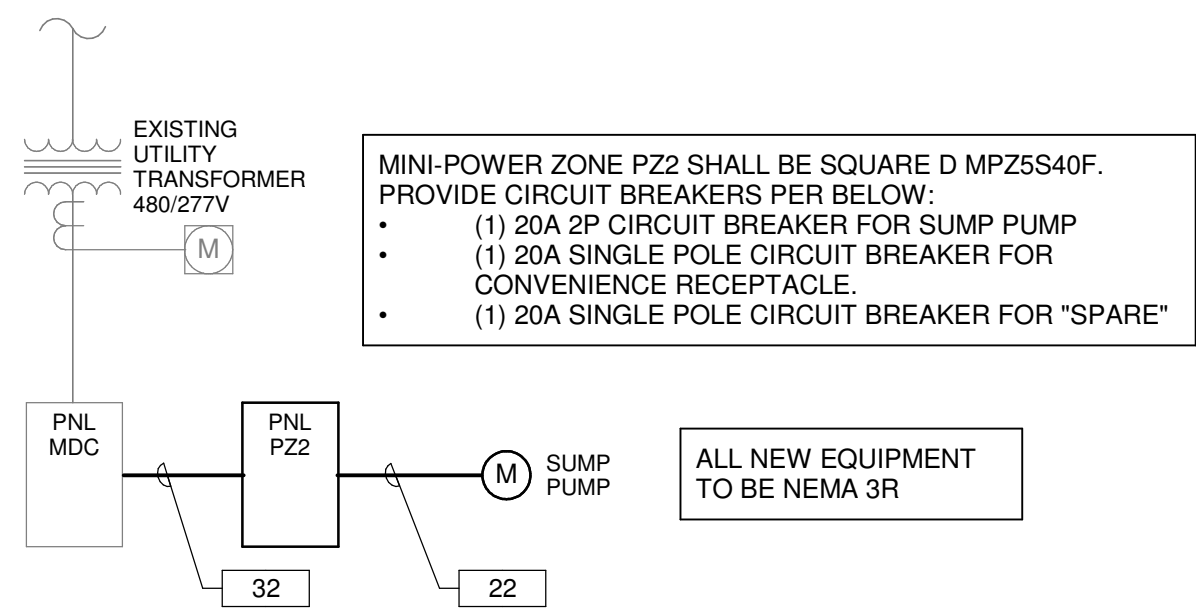


POWER AND LIGHTING LEGEND			
ABBREVIATION OR SYMBOL	DESCRIPTION	ABBREVIATION OR SYMBOL	DESCRIPTION
	2x4 LAY-IN OR SURFACE MOUNTED FIXTURE		STANDARD
	2x4 LAY-IN OR SURFACE MOUNTED FIXTURE; SHADING INDICATES EMERGENCY POWERED BATTERY		ABOVE COUNTER
	2x2 LAY-IN OR SURFACE MOUNTED FIXTURE		GFCI
	2x2 LAY-IN OR SURFACE MOUNTED FIXTURE; SHADING INDICATES EMERGENCY POWERED BATTERY		GFCI ABOVE COUNTER
	SURFACE OR STRIP FIXTURE		WEATHER PROOF
	RECESSED STRIP FIXTURE; SHADING INDICATES EMERGENCY POWERED BATTERY		CEILING MOUNT
	RECESSED DOWNLIGHT; SHADING INDICATES EMERGENCY POWERED BATTERY		MULTI POLE RECEPTACLE. REFER TO RECEPTACLE ABBREVIATION LEGEND FOR DETAILS.
	WALL-MOUNTED LINEAR FIXTURE		SIMPLEX RECEPTACLE. REFER TO RECEPTACLE ABBREVIATION LEGEND FOR DETAILS.
	DOWNLIGHT FIXTURE	SPECIALTY RECEPTACLES WITH DESIGNATION "XYZ", "ABC", etc. REFER TO RECEPTACLE ABBREVIATION LEGEND BELOW.	
	DOWNLIGHT FIXTURE; SHADING INDICATES EMERGENCY POWERED BATTERY	COMMON ABBREVIATIONS	
	WALL-MOUNTED FIXTURE	A	AMP
	EXIT SIGN; LED TYPE. DARKENED AREA INDICATES FACE. ARROWS INDICATE DIRECTION OF EGRESS	AFF	ABOVE FINISHED FLOOR
	RECESSED ELECTRICAL PANEL WITH REQUIRED CLEARANCE	AIC	AMPS INTERRUPTING CAPACITY
	SURFACE MOUNTED ELECTRICAL PANEL WITH REQUIRED CLEARANCE	AUX	AUXILIARY
	COMBINATION STARTER DISCONNECT SWITCH	BKR	BREAKER
	NON FUSED DISCONNECT SWITCH	C	CONDUIT
	FUSED DISCONNECT SWITCH	CBA	COLOR BY ARCHITECT
	MOTOR STARTER	CGRS	PVC COATED GALVANIZED RIGID STEEL
	ELECTRIC MOTOR, HORSEPOWER AS SHOWN.	CKT	CIRCUIT
	JUNCTION BOX	CP	CONTROL PANEL
	SPECIALTY JUNCTION BOX WITH DESIGNATION "XYZ". REFER TO JBOX ABBREVIATION LEGEND.	CPT	CONTROL POWER TRANSFORMER
DATA DEVICES		EC	EMPTY OR EMBEDDED CONDUIT
	TELEPHONE OUTLET; ABOVE COUNTER, & FIREMAN'S	EF	EXHAUST FAN
	DATA OUTLET; ABOVE COUNTER & CEILING MOUNTED	EG	EQUIPMENT GROUND
	COMBINATION DATA/TELEPHONE OUTLET & COMBINATION DATA/TELEPHONE OUTLET ABOVE COUNTER	EL	ELEVATION
	TELEVISION OUTLET WITH HEIGHT A.F.F. DESIGNATION	EMT	ELECTRICAL METALLIC TUBING
		EWC	ELECTRIC WATER COOLER
		FA	FIRE ALARM
		FAOP	FIRE ALARM CONTROL PANEL
		FC	FAN COIL
		FLR	FLOOR
		FOC	FIBER OPTIC CABLE
		FT	FEET
		GFCI	GROUND FAULT CIRCUIT INTERRUPTER
		GND	GROUND
		GRS	GALVANIZED RIGID STEEL
		HOA	HAND-OFF-AUTO
		HP	HORSEPOWER OR HEAT PUMP
		JB	JUNCTION BOX
		kVA	KILOVOLT-AMPERE
		kVAR	KILOVOLT-AMPERE, REACTIVE
		kw	KILOWATT
		L.O.	LUGS ONLY
		LSIG	ADJUSTABLE TRIP UNIT WITH LONG TIME, SHORT TIME, INSTANTANEOUS, AND GROUND FAULT SETTINGS
		LV	LOW VOLTAGE
		MCB	MAIN CIRCUIT BREAKER
		MCC	MOTOR CONTROL CENTER
		MCP	MOTOR CIRCUIT PROTECTOR
		MFR	MANUFACTURER
		MIN	MINIMUM
		MLO	MAIN LUG ONLY
		MTD	MOUNTED
		NFDS	NON-FUSED DISCONNECT SWITCH
		NTS	NOT TO SCALE
		OC	ON CENTER
		OH	OVERHEAD
		OL	OVERLOAD
		PEC	PHOTO ELECTRIC CELL
		PL	PILOT LIGHT
		PNL	PANEL
		PVC	SCHEDULE 40 POLYVINYL CONDUIT
		RA	FIRE ALARM REMOTE ANNUNCIATOR
		REO	RECEPTACLE
		RM	ROOM
		SE	SERVICE ENTRANCE
		SHT	SHEET
		SN	SOLID NEUTRAL
		SPD	SURGE PROTECTIVE DEVICE
		SW	SWITCH
		TEL	TELEPHONE
		TYP	TYPICAL
		TC	TIME CLOCK
		UG	UNDER GROUND
		UH	UNIT HEATER
		VA	VOLT-AMP
		VFD	VARIABLE FREQUENCY DRIVE
		W	WATT OR WIRE
		WH	WATER HEATER
		WM	WATT METER
		WP	WEATHERPROOF
		XMFR	TRANSFORMER
GENERAL NOTES			
1. SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS SHEET AND NOT BE UTILIZED ON THE PROJECTS.			
WIRE TYPES			
EQUIPMENT AND CONDUIT LINE TYPES			
ONE LINE SYMBOLS			

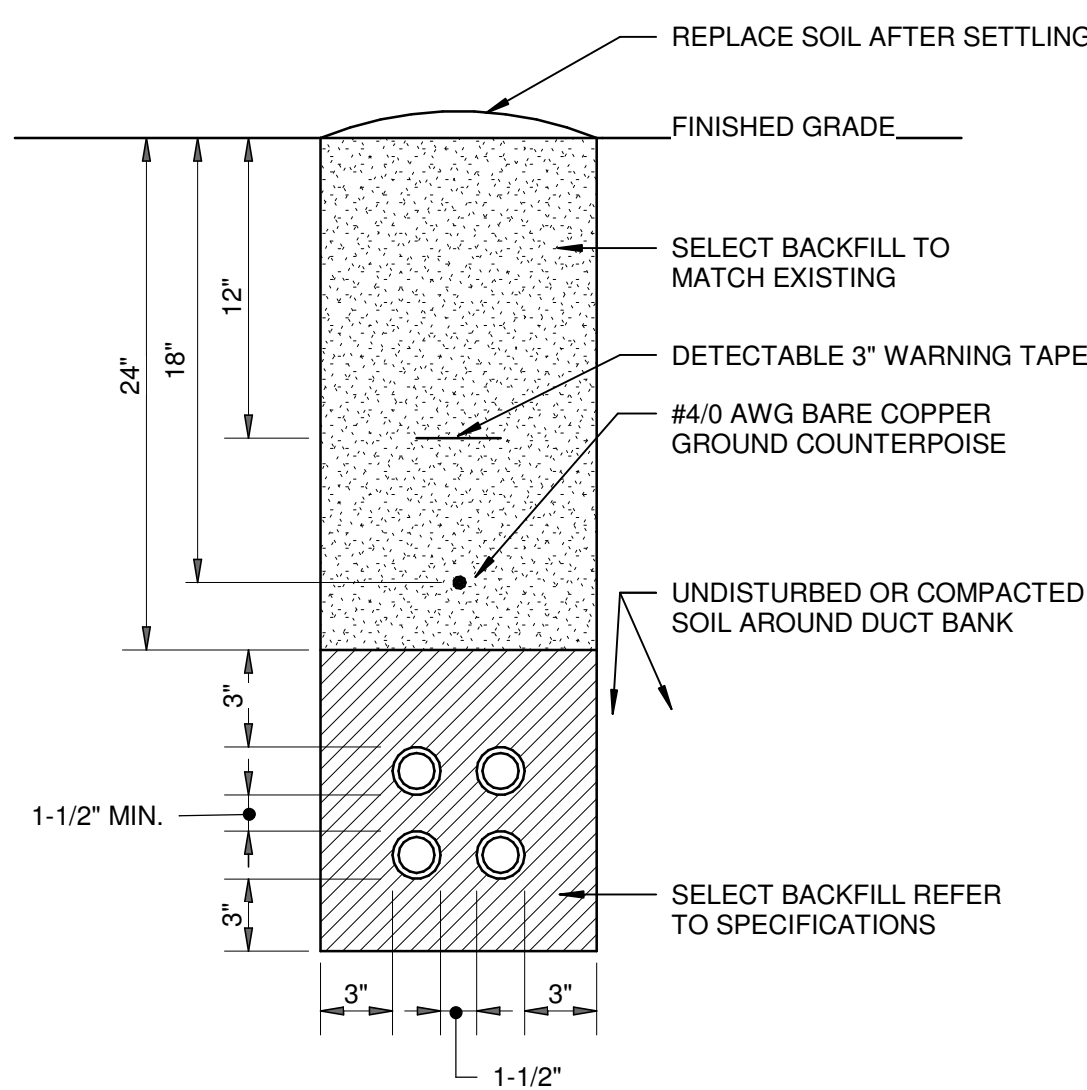




4 COMMITAL SHELTER ELECTRICAL PLAN  
1/8" = 1'-0"

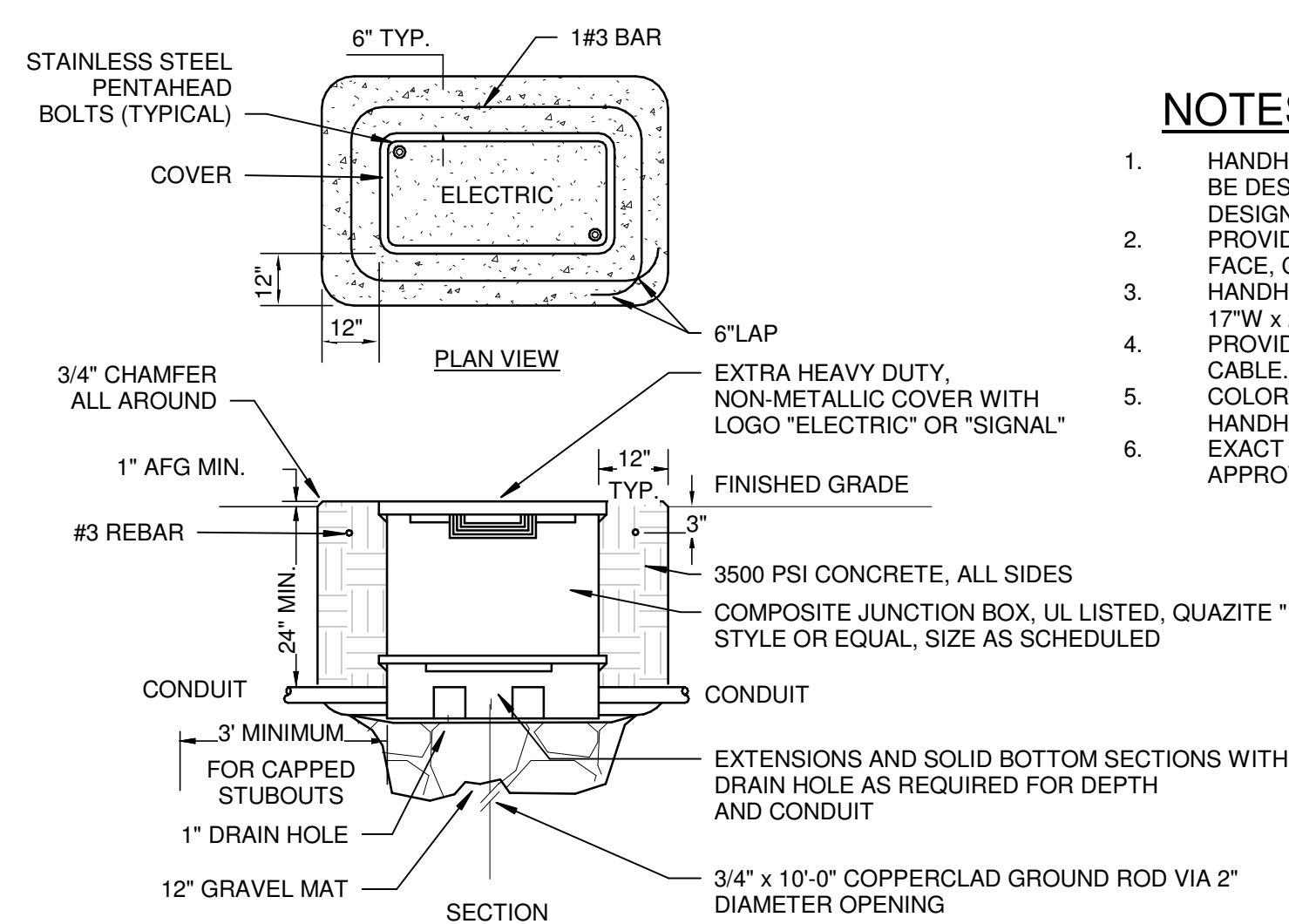


5 ONE-LINE DIAGRAM  
NOT TO SCALE



1 TRENCH DETAIL  
NOT TO SCALE

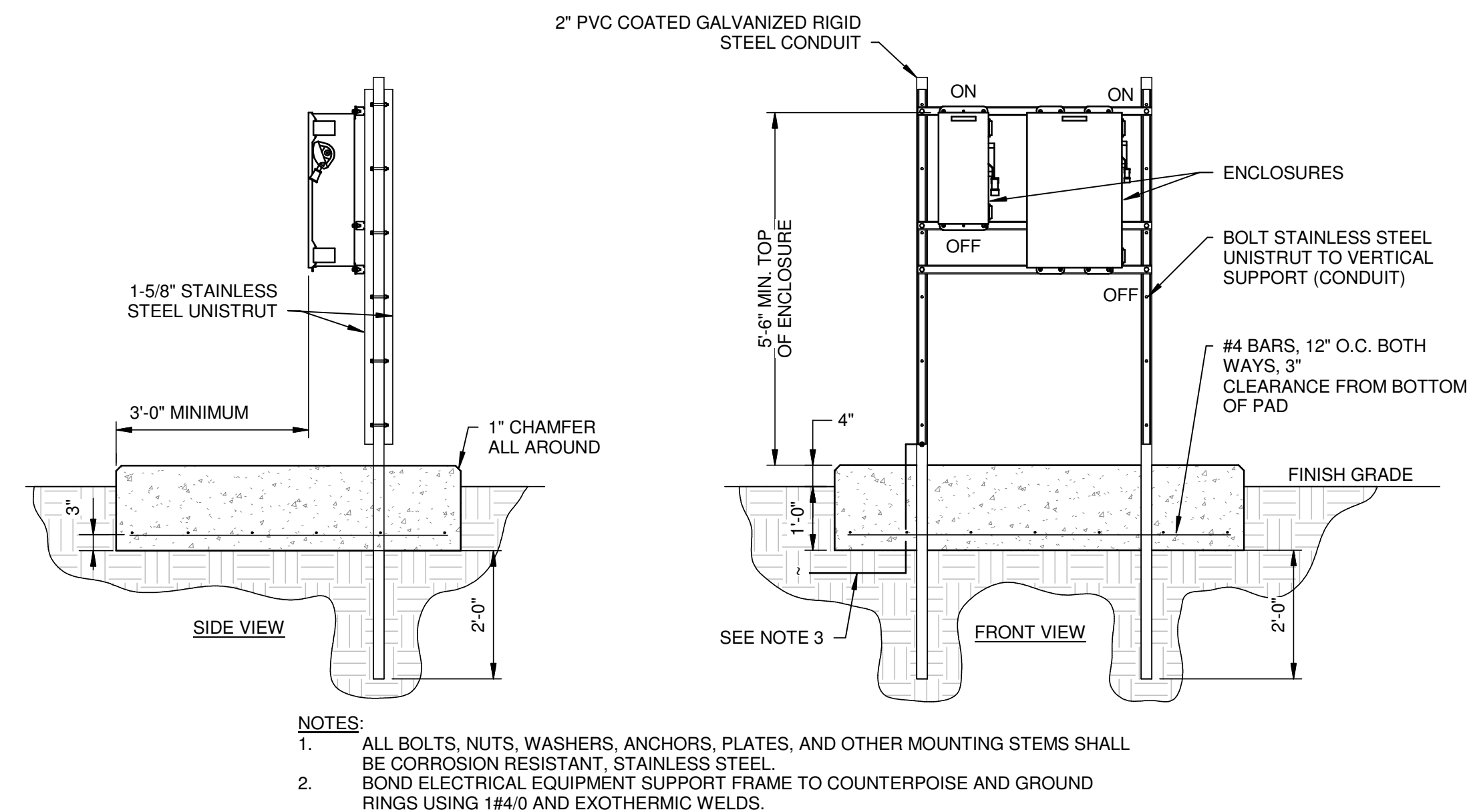
- ELECTRICAL DUCT NOTES:**
- CONTRACTOR SHALL STAKE THE DUCT INSTALLATION IN PLAN AND ELEVATION FOR NEW ELECTRICAL DUCTS TO AVOID EXISTING UTILITIES.
  - CONTRACTOR SHALL ADJUST THE DEPTH OF THE ELECTRICAL DUCTS AS REQUIRED TO MAINTAIN THE MINIMUM COVER REQUIREMENT INDICATED AND AVOID EXISTING UTILITIES.
  - SIMILAR CONSTRUCTION FOR OTHER DUCT SIZES. SEE DUCT BANK SCHEDULE FOR QUANTITY AND SIZES.
  - INSTALL DUCT CONDUIT SUPPORTS AT 5'-0" O.C. MAXIMUM SPACING (TYPICAL ALL DUCTS).
  - OFFSETS AND BENDS OVER 10 DEGREES AND ELBOWS IN PVC CONDUIT RUNS SHALL BE GALVANIZED RIGID STEEL CONDUIT.
  - NO PVC SHALL EMERGE FROM THE GROUND OR CONCRETE SLAB OR ENCASEMENT. PVC SHALL CONVERT TO GALVANIZED RIGID STEEL CONDUIT PRIOR TO ITS EMERGENCE.
  - INSTALL GROUND RODS AT ENDS OF ELECTRICAL DUCT OR CONNECT TO GROUND RING.
  - INSTALL CONDUCTORS AND CABLES AS NOTED ON DRAWING. INSTALL PULLWIRE IN ALL SPARE DUCTS.
  - MINIMUM COVER REQUIREMENT FOR DUCT BANKS UNDER ROADS, DRIVEWAYS AND PARKING LOTS SHALL BE 24".
  - MINIMUM COVER REQUIREMENTS FOR ELECTRICAL SECONDARY SERVICE DUCT BANKS SHALL BE 30".
  - MINIMUM COVER REQUIREMENTS FOR ELECTRICAL PRIMARY SERVICE DUCT BANKS SHALL BE 36".



2 HANDHOLE DETAIL  
NOT TO SCALE

**NOTES:**

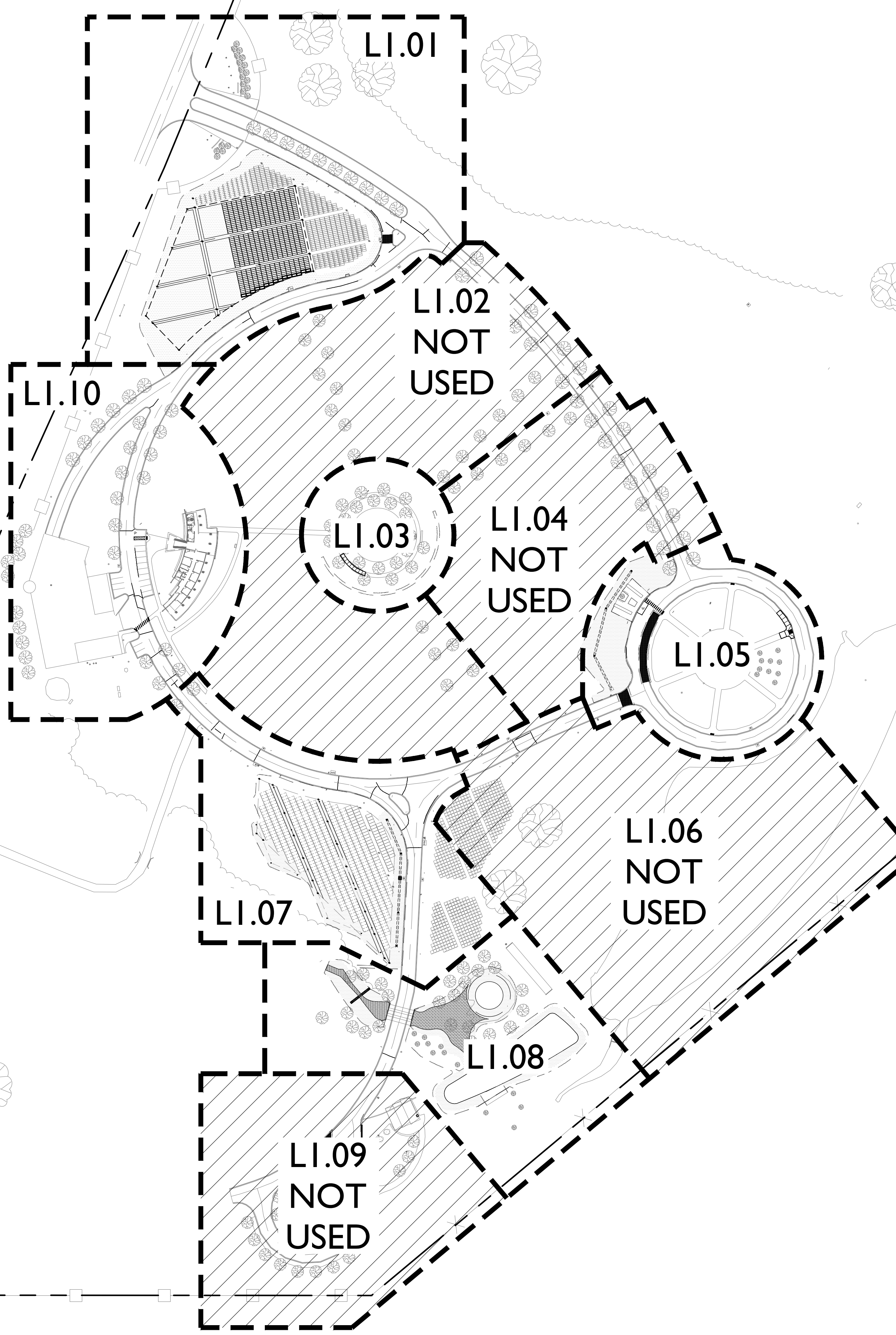
- HANDHOLE AND EXTRA HEAVY-DUTY COVER SHALL BE DESIGNED FOR A TEST LOAD OF 33,750 LBS AND A DESIGN LOAD OF 22,500 LBS.
- PROVIDE HANDHOLE WITH 2-2" C STUBOUTS IN EACH FACE, CAPPED WATERTIGHT.
- HANDHOLE INTERIOR DIMENSIONS SHALL BE 30"L x 17"W x 28"D.
- PROVIDE MINIMUM 3' SLACK CABLE LOOP FOR EACH CABLE.
- COLOR CODE, TAG AND IDENTIFY ALL CABLES IN HANDHOLE.
- EXACT LOCATION OF EACH HANDHOLE SHALL BE APPROVED BY THE OWNER AND ENGINEER.



3 MISC. SUPPORT DETAIL  
NOT TO SCALE



1. CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL UTILITIES PRIOR TO STARTING ANY WORK. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ARKANSAS ONE-CALL TO CONFIRM ALL UTILITIES.
2. ALL PLANTS MUST BE HEALTHY, VIGOROUS AND FREE OF PESTS AND DISEASE.
3. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
4. ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BURLAPPED AS INDICATED ON THE PLANT LIST.
5. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER CONSTRUCTION.
6. ALL PLANTING AREAS MUST BE COMPLETELY MULCHED WITH A 3" LAYER OF ORGANIC HARDWOOD MULCH. MULCH SHALL NOT BE PLACED IMMEDIATELY ADJACENT TO TREE TRUNKS, BUT SHALL BE KEPT AT LEAST 4" FROM ROOT COLLAR AT THE SOIL LINE.
7. ALL PLANTING BEDS SHALL BE CONTAINED BY EDGING MATERIAL OTHER THAN VEGETATION.
8. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION AT NO COST TO THE OWNER.
9. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
10. THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING MATERIAL (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) IN ALL PLANTING AREAS AND LAWN AREAS UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE OWNER.
11. THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR BEGINNING ON THE DATE OF TOTAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD.
12. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
13. ONCE INSTALLED, LANDSCAPING SHALL BE MAINTAINED IN HEALTHY LIVING CONDITION AND ALL PLANT MATERIAL THAT DIES SHALL BE REPLACED.
14. NOTIFY LANDSCAPE ARCHITECT OR DESIGNATED REPRESENTATIVE OF ANY LAYOUT DISCREPANCIES PRIOR TO ANY PLANTING. LOCATE ALL UTILITIES AND SITE LIGHTING CONDUITS BEFORE CONSTRUCTION BEGINS.
15. MAINTENANCE: THE CURRENT OWNER OF THE PROPERTY SHALL BE RESPONSIBLE FOR THE ONGOING MAINTENANCE OR REQUIRED LANDSCAPING.



Now what's below.  
Call before you dig.

PG PROJECT NO.	ZI-047
DATE	2023.06.18
REVISIONS	
Number	Date
PHASE	100% Construction Documents
TITLE	Overall Landscape Plan
SHEET NO.	L1.00



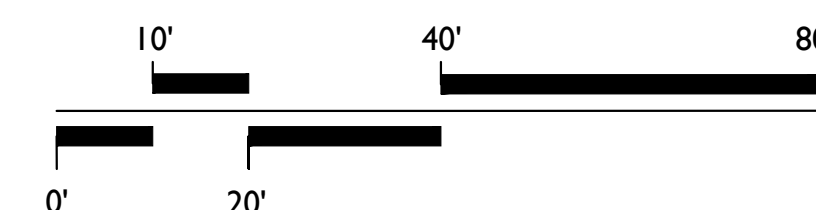


**Birdeye, Arkansas  
STATE OF ARKANSAS - Department of Veterans Affairs  
501 Woodlane Drive, Suite 401N  
Little Rock, Arkansas 72201**

DBA PROJECT # 3852301



SCALE: 1" = 20'-0"



SHEET NO. 1101

LIMITS OF  
DISTURBANCE (TYP.)

BERMUDA TIF  
419 (TYP.)

PROVIDE BERMUDA  
TIF 419 IN ALL  
DISTURBED AREAS (TYPE

MATCHLINE LI.02

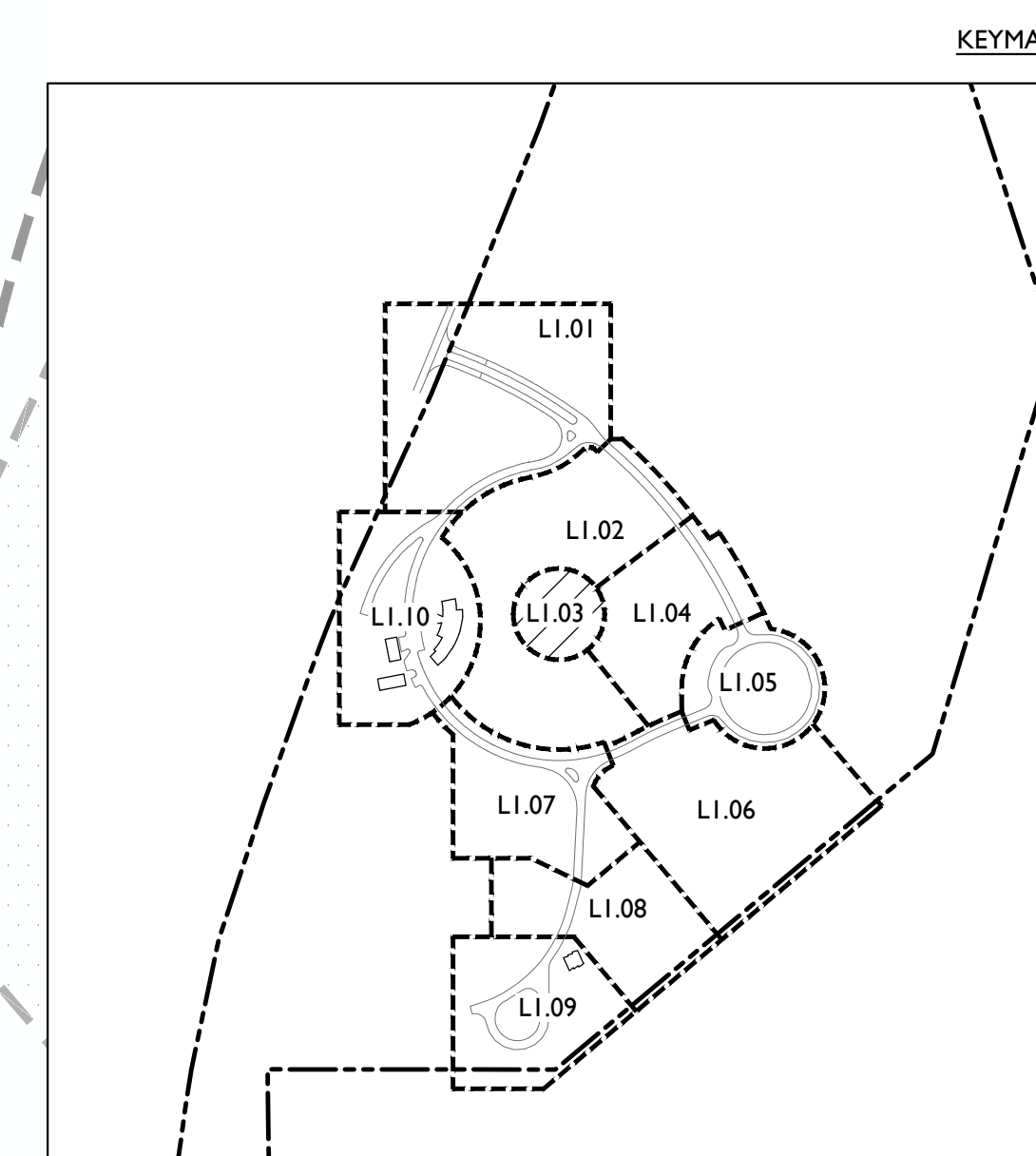
MATCHLINE LI.1



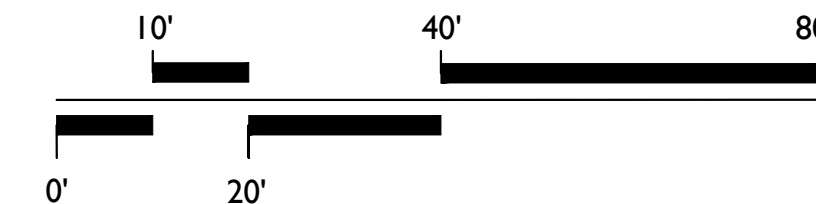


**Birdeye, Arkansas  
STATE OF ARKANSAS - Department of Veterans Affairs  
501 Woodlane Drive, Suite 401N  
Little Rock, Arkansas 72201**

DBA PROJECT # 2852301



SCALE: 1" = 20'-0"





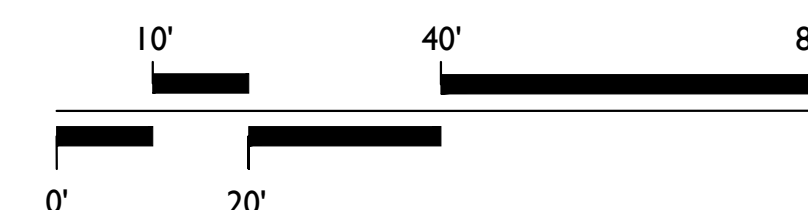


Birdeye, Arkansas  
STATE OF ARKANSAS - Department of Veterans Affairs  
501 Woodlane Drive, Suite 401N  
Little Rock, Arkansas 72201

DATA PROJECT # 3032501



SCALE: 1" = 20'-0"

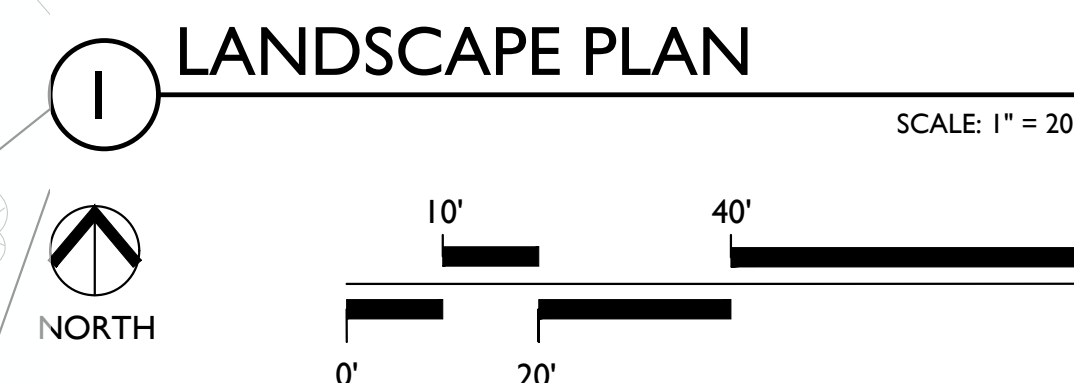




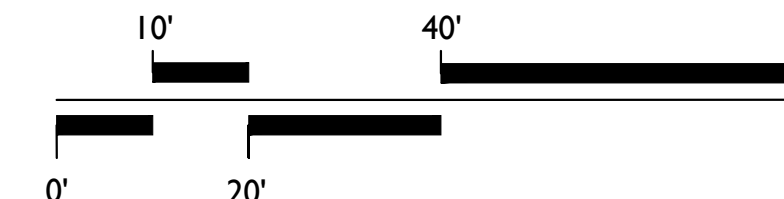


**Birdeye, Arkansas  
STATE OF ARKANSAS - Department of Veterans Affairs  
501 Woodlane Drive, Suite 401N  
Little Rock, Arkansas 72201**

LI.07



SCALE: 1" = 20'



TITLE Landscape Plan

DBA PROJECT # 3852301





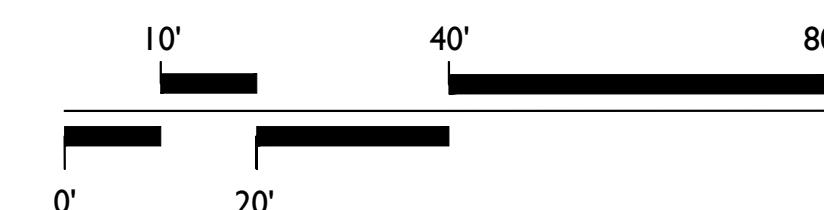
**Birdeye, Arkansas  
STATE OF ARKANSAS - Department of Veterans Affairs  
501 Woodlane Drive, Suite 401N  
Little Rock, Arkansas 72201**

PHASE	100% Construction Documents
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DBA PROJECT # 3852301



SCALE: 1" = 20'-0"



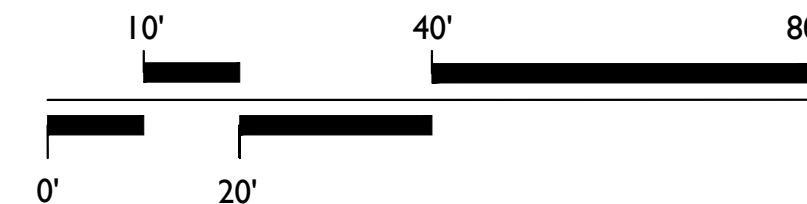




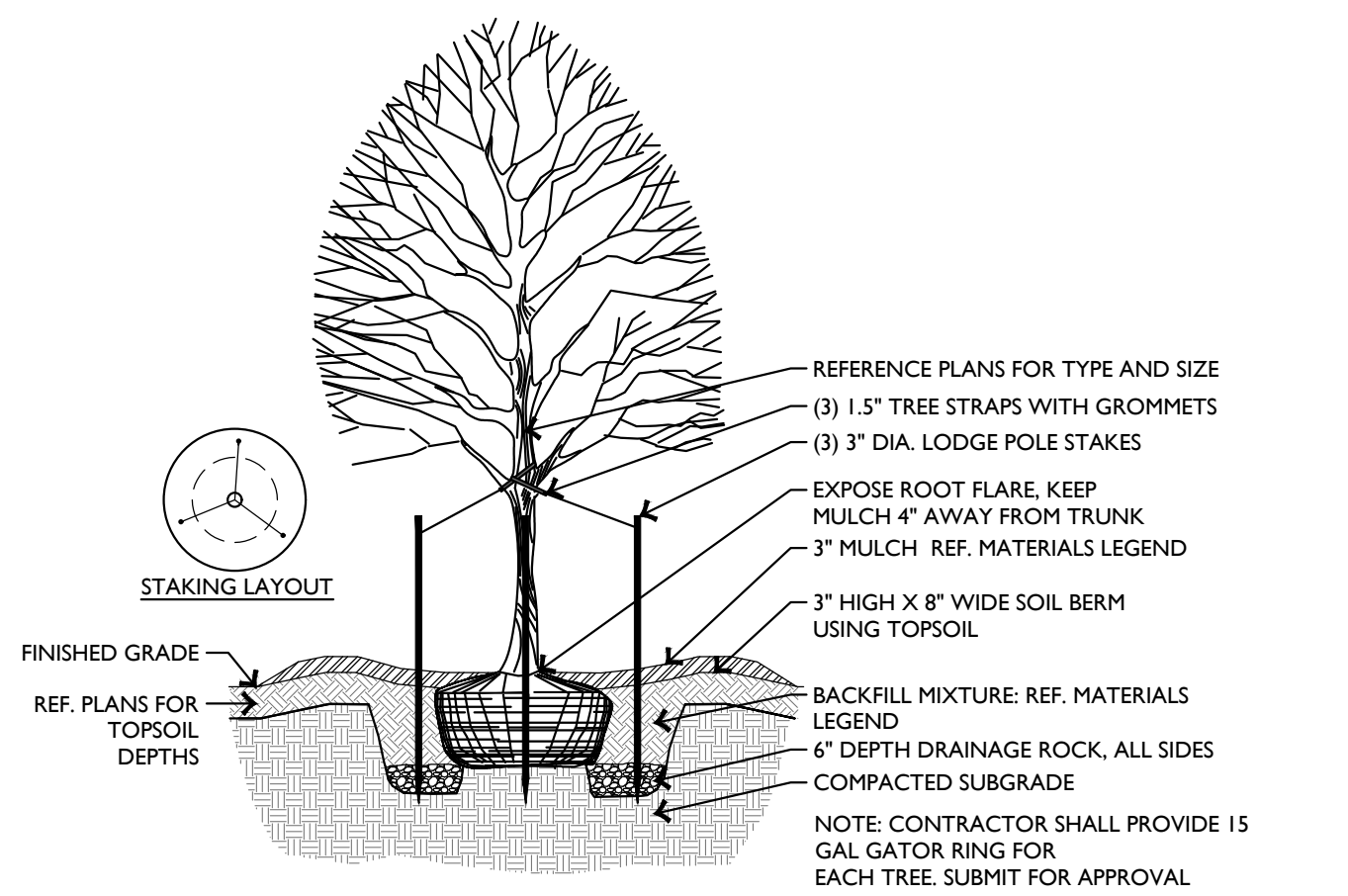
**Birdeye, Arkansas  
STATE OF ARKANSAS - Department of Veterans Affairs  
501 Woodlane Drive, Suite 401N  
Little Rock, Arkansas 72201**

DBA PROJECT # 3852301

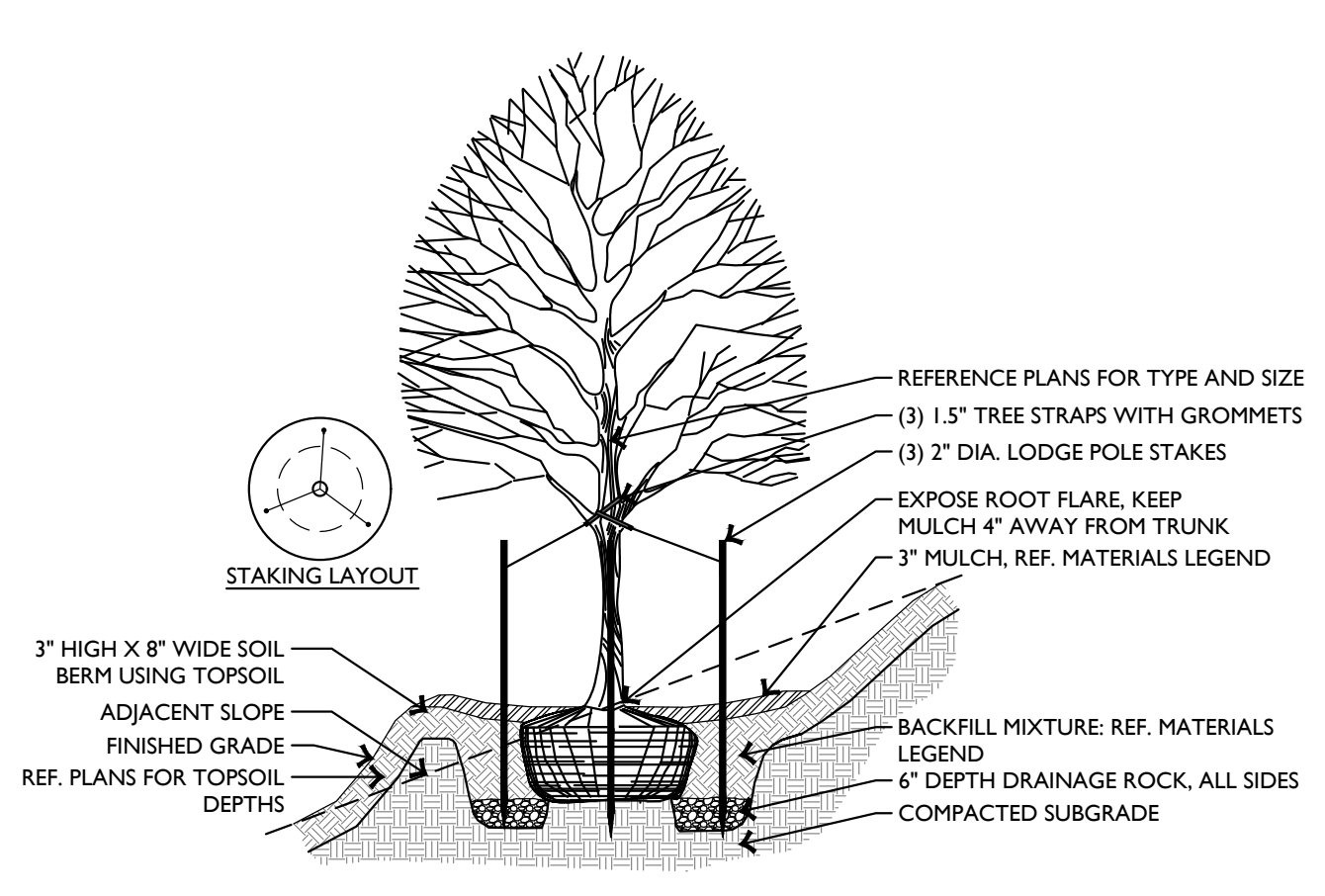
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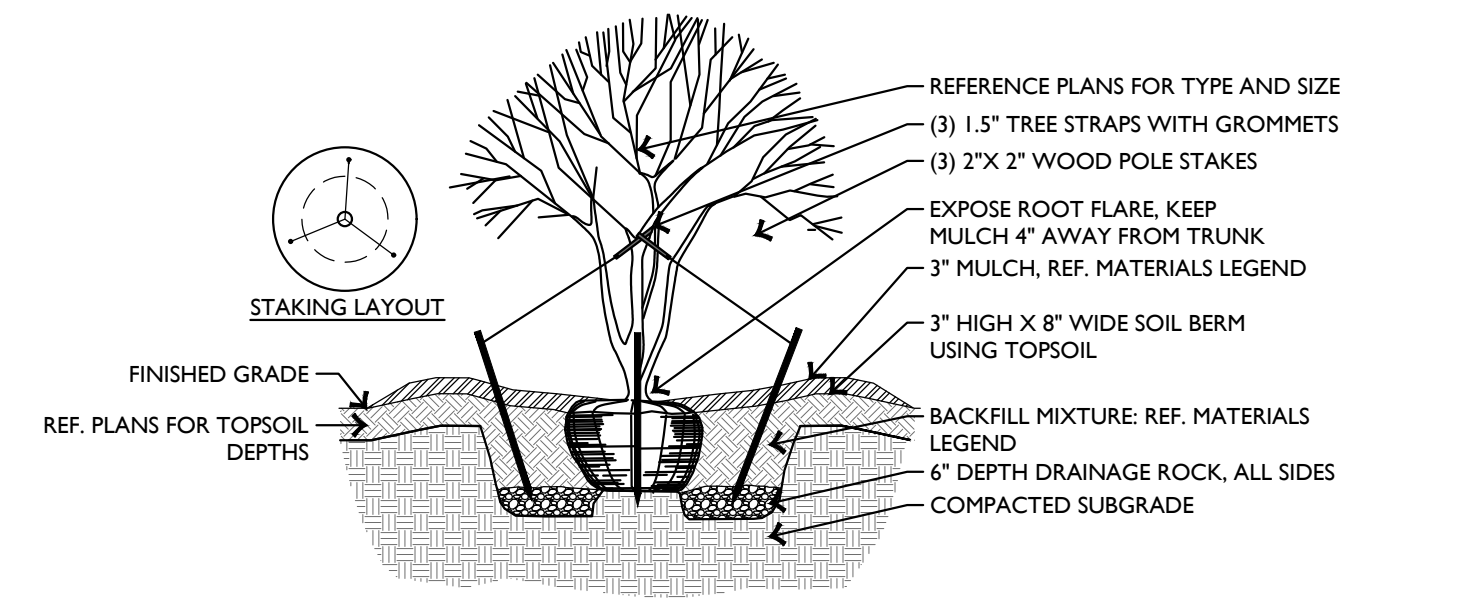




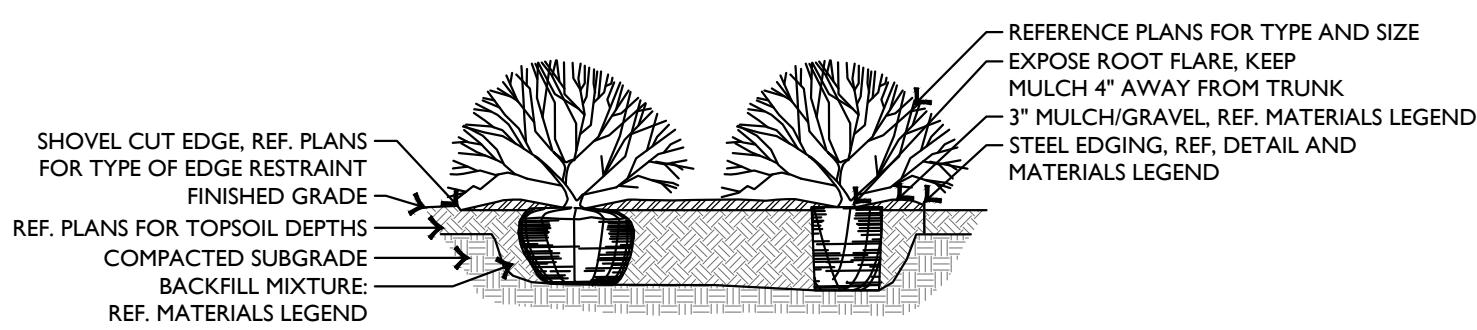
1 TREE PLANTING DETAIL NOT TO SCALE



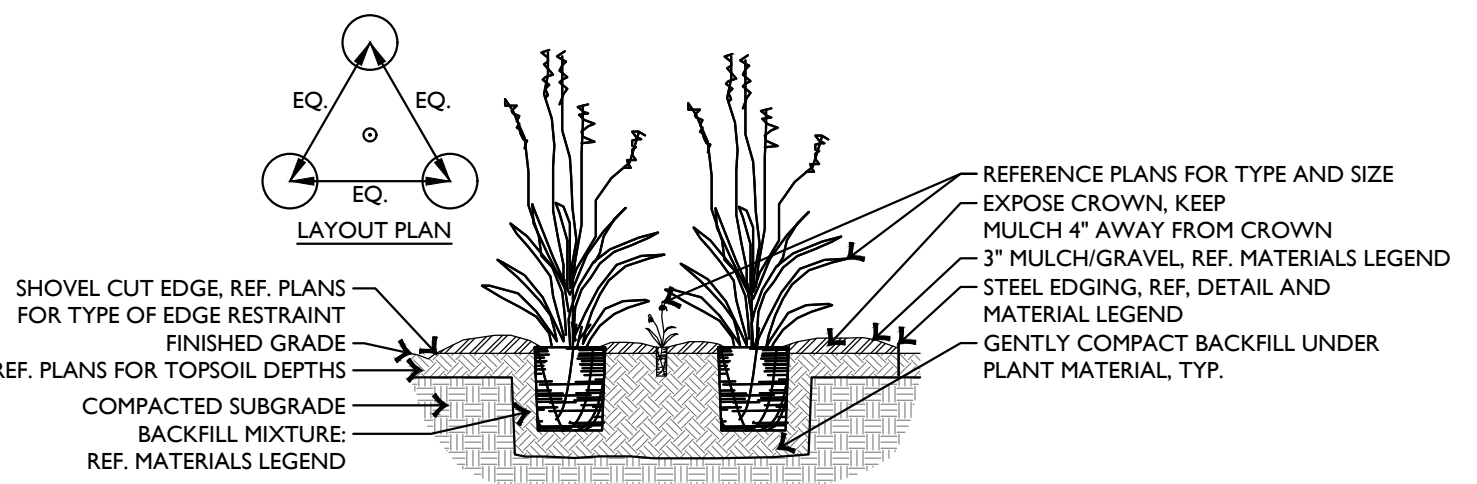
2 TREE PLANTING ON A SLOPE NOT TO SCALE



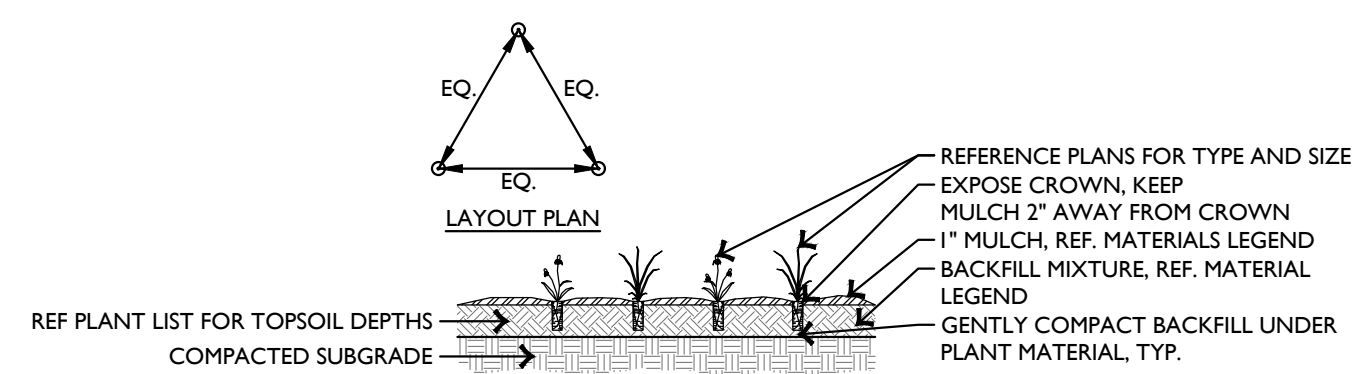
3 ORNAMENTAL TREE PLANTING NOT TO SCALE



4 SHRUB PLANTING NOT TO SCALE



5 NATIVE GRASS PLANTING NOT TO SCALE



6 GROUNDCOVER & PLUG PLANTING NOT TO SCALE

PLANT SCHEDULE						
NOTE: CONTRACTOR SHALL VERIFY ALL LANDSCAPE QUANTITIES						
TREES	QTY	COMMON / BOTANICAL NAME	CALIPER	CONTAINER	SPACING	REMARKS
	4	HERITAGE RIVER BIRCH BETULA NIGRA 'HERITAGE'	4" CAL	BALL & BURLAPPED	AS SHOWN	SINGLE TRUNK. MATCH SPECIMEN APPROVED BY LANDSCAPE ARCHITECT.
	10	OCTOBER GLORY RED MAPLE ACER RUBRUM 'OCTOBER GLORY'	6" CAL	BALL & BURLAPPED	AS SHOWN	MATCH SPECIMEN APPROVED BY LANDSCAPE ARCHITECT.
	6	PRINCETON AMERICAN ELM ULMUS AMERICANA 'PRINCETON'	6" CAL	BALL & BURLAPPED	AS SHOWN	MATCH SPECIMEN APPROVED BY LANDSCAPE ARCHITECT.
	2	RELOCATED PRAIRIFIRE CRABAPPLE MALUS X 'PRAIRIFIRE'	---		AS SHOWN	INSTALL RELOCATED TREES PER PLAN
	6	SHAWNEE BRAVE BALD CYPRESS TAXODIUM DISTICHUM 'SHAWNEE BRAVE'	6" CAL	BALL & BURLAPPED	AS SHOWN	MATCH SPECIMEN APPROVED BY LANDSCAPE ARCHITECT.
	12	SWEETBAY MAGNOLIA MAGNOLIA VIRGINIANA	3" CAL	BALL & BURLAPPED	AS SHOWN	SINGLE TRUNK. MATCH SPECIMEN APPROVED BY LANDSCAPE ARCHITECT.
	6	WILLOW OAK QUERCUS PHELLOS	6" CAL	BALL & BURLAPPED	AS SHOWN	MATCH SPECIMEN APPROVED BY LANDSCAPE ARCHITECT.
SHRUB AREAS	QTY	COMMON / BOTANICAL NAME	CALIPER	CONTAINER	SPACING	REMARKS
	1,579	BLUE PICKEREL RUSH PONTEDERIA CORDATA 'BLUE'	---	TUBERS	24" O.C.	
GROUND COVERS	QTY	COMMON / BOTANICAL NAME	CALIPER	CONTAINER	SPACING	REMARKS
	94,969 SF	TIF 419 BERMUDA GRASS CYNODON DACTYLON 'TIF 419'	---	SOLID SOD, CERTIFIED WEED FREE, PROVIDE 4" TOPSOIL	---	---
MISCELLANEOUS	QTY	DESCRIPTION		REMARKS		
	REF. PLAN	MULCH		3" DEPTH, NON-DYED, ALL PLANTING BEDS AND BENEATH TREE DRIPLINE UNLESS OTHERWISE NOTED ON PLANS. KEEP 6" CLEAR AROUND TRUNKS, TYP. REFERENCE SPECIFICATION		
	REF. PLAN	PLANTING MIX		8" ALL BED, 60% TOPSOIL, 40% ORGANIC COMPOST		


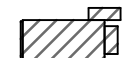


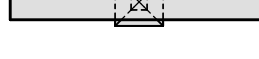
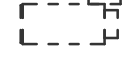
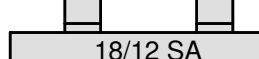

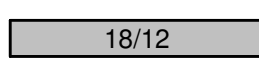

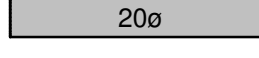

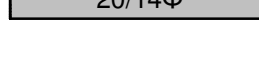

SEED MIXES	
PURE LIVE SEED QUINCES	DESCRIPTION
	WETLAND SEED MIX A 4-6 LBS / ACRE
9.36	SOFT RUSH
0.09	OHIO SPIDERWORT
3.51	FOX SEDGE
0.94	FALSE SUNFLOWER
1.40	BUTTONBUSH
0.70	NARROW LEAVED SUNFLOWER

NOTES:  
1. FINISH GRADE WITH EXISTING DEAD SOIL. NO TOP SOIL WITH INVASIVE SPECIES ALLOWED.  
2. TREAT IF REQUIRED WITH AN AQUATIC APPROVED HERBICIDE 2 WEEKS PRIOR TO DRILL SEEDING AND / OR BROADCASTING.  
3. SCARIFY SOIL NO DEEPER THAN 1/4".  
4. BROADCAST OR DRILL SEED SEED MIX RATE AS INDICATED ON THE PLANS. IF SEED MIX IS BROADCAST ADD A BULKIFIER TO THE MIX (SAW DUST, SAND, KITTY LITTER, OR APPROVED EQUAL).  
5. GO OVER SEED WITH A SOD ROLLER TO PUSH THE SEED INTO THE SOIL.  
6. UNLESS OTHERWISE NOTED ON PLANS, COVER SEED WITH A 100% WOOD FIBER HYDROMULCH. INCREASE THE SEEDING RATE BY 20-25% TO ALLOW FOR HIGHER GERMINATION RATE. ENSURE THE TACKIFIER / SLURRY ALLOWS FOR AT LEAST 50% SOIL EXPOSURE FOR SUNLIGHT. HYDROMULCH NOT NECESSARY FOR SEED THAT IS DRILL SEED

NOTE:  
1. ALL PLANTING LOCATIONS TO BE VERIFIED IN THE FIELD BY LANDSCAPE ARCHITECT





HVAC LEGEND					
ABBREVIATION OR SYMBOL		DESCRIPTION		ABBREVIATION OR SYMBOL	
AHU	AIR HANDLING UNIT		CEILING SUPPLY DIFFUSER		NEW EQUIPMENT
AFF	ABOVE FINISHED FLOOR		CEILING RETURN/EXHAUST GRILLE		EXISTING EQUIPMENT TO REMAIN
AP	ACCESS PANEL		GRILLE OR REGISTER ON BOTTOM OF DUCTWORK		EXISTING EQUIPMENT TO BE REMOVED
BHP	BRAKE HORSEPOWER		SIDEWALL SUPPLY (RETURN SIMILAR)		NEW DUCT
BTUH	BRITISH THERMAL UNIT PER HOUR		RECTANGULAR DUCT WITH DUCT SIZE TAG		EXISTING DUCT TO REMAIN
CFM	CUBIC FEET PER MINUTE		ROUND DUCT WITH DUCT SIZE TAG		DEMOLISH EXISTING DUCT BACK TO POINT
CRAC	COMPUTER ROOM AIR CONDITIONING UNIT		OVAL DUCT WITH DUCT SIZE TAG		CONNECT TO EXISTING DUCT
D	DRAIN				
DB	DRY BULB TEMPERATURE				
DN	DOWN				
EA	EXHAUST AIR				
EAT	ENTERING AIR TEMPERATURE OF THE COIL				
ESP	EXTERNAL STATIC PRESSURE				
EWT	ENTERING WATER TEMPERATURE				
FCU	FAN COIL UNIT				
FLR	FLOOR				
FO	FLAT OVAL				
PFM	FEET PER MINUTE (VELOCITY)				
QPM	GALLONS PER MINUTE				
HP	HORSEPOWER				
KW	KILOWATT				
LAT	LEAVING AIR TEMPERATURE OF THE COIL				
LWT	LEAVING WATER TEMPERATURE				
MAU	MAKE-UP AIR UNIT				
MAX	MAXIMUM				
MIN	MINIMUM				
MHP	MOTOR HORSEPOWER				
NTS	NOT TO SCALE				
OSA	OUTSIDE AIR				
PSI	POUNDS PER SQUARE INCH				
RA	RETURN AIR				
RH	RELATIVE HUMIDITY				
RPM	REVOLUTION PER MINUTE				
RTU	ROOF TOP (AIR CONDITIONING) UNIT				
SA	SUPPLY AIR				
SP	STATIC PRESSURE				
TYP	TYPICAL				
VAV	VARIABLE AIR VOLUME				
WB	WET BULB TEMPERATURE				
XFR	TRANSFER AIR				
'	FEET				
"	INCHES				
ø	ROUND DUCT				
Ø	OVAL DUCT				

2

M1.1

DETAIL/SECTION DESIGNATION

DETAIL/SECTION NUMBER

SHEET NUMBER

1

VAV-2

3

THERMOSTAT OR SENSOR. (SUBSCRIPT DESIGNATES CONTROLLED EQUIPMENT)

2

KEYED NOTE

C/350

AIR DEVICE "MARK"

AIRFLOW CFM

AIR DEVICE DESIGNATION

\* NOT ALL SYMBOLS MAY APPLY TO THIS PROJECT

#### MECHANICAL GENERAL NOTES

- ALL MECHANICAL WORK SHALL COMPLY WITH ALL LOCAL CODES, DRAWINGS, SPECIFICATIONS, AND AUTHORITIES HAVING JURISDICTION. IF DISCREPANCIES ARE FOUND, THE MOST STRINGENT REQUIREMENT SHALL GOVERN WORK, WHERE INSPECTIONS ARE REQUIRED BY AUTHORITIES HAVING JURISDICTION, WORK MUST NOT BE CONCEALED UNTIL INSPECTIONS AND TESTING ARE COMPLETE AND WORK IS ACCEPTED.
- REFER TO SPECIFICATIONS AND PROJECT MANUAL FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- REFER TO ALL PROJECT DRAWINGS FOR DETAILS OF CONSTRUCTION AND INSTALLATION REQUIREMENTS.
- PRIOR TO BID, CONTRACTOR SHALL BECOME THOROUGHLY FAMILIAR WITH THE REQUIREMENTS OF THESE NOTES AS WELL AS OTHER NOTES SHOWN ON THE CONTRACT DOCUMENTS.
- THESE DRAWINGS REFLECT A SYSTEM DESIGNED AROUND SPECIFIED REFERENCE PRODUCTS, THE SELECTION OF WHICH HAS INFLUENCED THE DESIGNS OF OTHER TRADES. IF SUBSTITUTE MANUFACTURERS, SIZES, OR MODEL NUMBERS ARE BID OR SUBMITTED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL DIFFERENCES PRIOR TO BID. ALL COSTS OF ALL TRADES ASSOCIATED WITH THE SUBSTITUTION SHALL BE INCLUDED IN THE BID.
- COORDINATION OF ALL MODIFICATIONS TO EACH DISCIPLINE WHICH RESULT FROM SUBSTITUTION OF EQUIPMENT OR MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. SUBSTITUTIONS WHICH ARE INSTALLED AND SUBSEQUENTLY ARE PROVEN UNSATISFACTORY BY OWNER AND/OR ENGINEER WITHIN THE WARRANTY PERIOD, SHALL BE REMOVED COMPLETELY BY THE CONTRACTOR AND REPLACED WITH THE ORIGINAL DESIGN OR CORRECTED AS DIRECTED BY THE ENGINEER WITHOUT ADDITIONAL COST TO THE OWNER.
- ALL DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OR GEOMETRICAL RELATIONSHIPS OF EQUIPMENT AND SERVICES. THEY ARE NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, SEQUENCE, DEVICE, OPTION, FITTING, OR COMPONENT.
- INFORMATION AND COMPONENTS ON DETAILS OR IN SPECIFICATIONS, BUT NOT SHOWN ON PLANS, AND VICE VERSA, SHALL BE PROVIDED AS IF EXPRESSLY REQUIRED BY BOTH.
- CONTRACTOR SHALL NOT SCALE DRAWINGS. DRAWINGS SPECIFIC TO THIS DISCIPLINE DO NOT LIMIT THE RESPONSIBILITY OF WORK REQUIRED BY THE CONTRACT DOCUMENTS.
- EXACT LOCATIONS OF ALL EQUIPMENT, ROOF CURBS, DUCTS, DIFFUSERS, AND PIPING SHALL BE COORDINATED WITH OTHER TRADES. CEILING MOUNTED SPRINKLER, LIGHTING, AND ELECTRICAL REQUIREMENTS TAKE PRECEDENCE OVER CEILING MOUNTED MECHANICAL REQUIREMENTS. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING GRID AND LIGHTING LAYOUT FOR COORDINATION OF FINAL DIFFUSER LOCATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK WITH THAT OF OTHER TRADES. REFER TO ALL CONSTRUCTION DOCUMENTS FOR COMPLETE INFORMATION PRIOR TO BID.
- ALL MECHANICAL CONSTRUCTION DETAILS SHALL BE AS SHOWN AND AS REQUIRED TO MAINTAIN "UL" ASSEMBLY RATINGS AS SHOWN ON ARCHITECTURAL SHEETS. SEAL AROUND ALL PENETRATIONS THOROUGH UL RATED ASSEMBLIES, FIRE AND SMOKE WALLS. COORDINATE WITH GENERAL CONTRACTOR.
- NO OTHER TRADES, I.E. ELECTRICAL, PLUMBING, OR OTHER SYSTEMS SHALL BE SUSPENDED, HUNG, OR SUPPORTED FROM DUCTWORK OR PIPING.
- SPECIAL CARE SHALL BE TAKEN ON [EXISTING] ROOFS TO PREVENT DAMAGE. ANY DAMAGE SHALL BE PROMPTLY REPAIRED AT NO EXPENSE TO THE OWNER. COMPLY WITH BONDING REQUIREMENTS OF [EXISTING] ROOF.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FLASHING AND SEALING OF ALL ROOF PENETRATIONS AIR AND WATER TIGHT.
- CLOSELY COORDINATE FINAL LOCATIONS OF INSTALLED EQUIPMENT TO ACHIEVE THE GREATEST ACCESSIBILITY FOR MAINTENANCE PURPOSES.
- CONTRACTOR SHALL VISIT THE SITE TO ESTABLISH THE EXISTING CONDITIONS PRIOR TO DUCT, PIPE OR EQUIPMENT FABRICATION. SYSTEMS SHALL BE ERECTED USING FIELD MEASUREMENTS FOR COORDINATION WITH THE EXISTING EQUIPMENT, STRUCTURE, FIRE PROTECTION AND ELECTRICAL IN THE SPACE.
- CORE DRILL ALL PIPING PENETRATIONS OF CONCRETE WALLS AND FLOORS.
- ALL HVAC WORK TO BE PER SMACNA AND ALL APPLICABLE CODES. DUCT SIZES REPRESENT FREE AREA.
- ALL LOW PRESSURE DUCTWORK THAT HAS TO BE OFFSET DUE TO AN OBSTRUCTION SHALL BE OFFSET WITH TWO - 45 DEGREE, 1.5 RADIUS ELBOWS UNLESS OTHERWISE NOTED.
- PROVIDE ACCESS DOORS IN WALLS, FLOORS, OR CEILINGS FOR ACCESS TO ALL FIRE DAMPERS, SMOKE DAMPERS, EQUIPMENT, COILS, VALVES, AND BALANCING DAMPERS. ACCESS DOORS ARE NOT REQUIRED WHERE DEVICES ARE DIRECTLY ACCESSIBLE THROUGH AIR DEVICES.
- ALL DUCTWORK UPSTREAM OF VAV BOXES SHALL BE CONSIDERED "MEDIUM-PRESSURE DUCT".
- DUCT FITTINGS ARE AS FOLLOWS: 1) FLEX DUCT IS ONLY PERMITTED IN LINEAR DUCT RUNS. FLEX DUCT SHALL NOT BE USED WHERE DUCTWORK CHANGES DIRECTION. ALL ELBOWS SHALL BE HARD DUCTED. 2) ALL 90 DEGREE ELBOWS TO HAVE R/D = 1.5, UNLESS OTHERWISE NOTED. 3) ALL MITERED RECTANGULAR ELBOWS GREATER THAN 90 DEGREES NOTED ARE TO HAVE TURNING VANES. 4) SIDE TAKE-OFF FITTINGS SHALL BE EQUAL TO FLEXMASTER STOOD33. 5) DAMPERS SHALL BE EQUAL TO FLEXMASTER SLD803.
- PROVIDE BRANCH TAKEOFF AND DAMPER AT EACH CONNECTION OF ROUND OR RECTANGULAR BRANCH DUCTS TO A RECTANGULAR DUCT. SEE DETAILS.
- MAINTAIN A MINIMUM OF 10'-0" BETWEEN ALL FRESH AIR INTAKES AND PLUMBING VENTS, EXHAUST FAN DISCHARGE, AND FLUES. MAINTAIN MINIMUM CLEAR DISTANCE OF 50" BETWEEN PARAPET WALL AND ALL ROOF MOUNTED MECHANICAL EQUIPMENT.
- ALL ROOF MOUNTED EQUIPMENT SHALL BE PROVIDED WITH MANUFACTURER'S FABRICATED CURBS WHICH FACILITATE LEVEL MOUNTING OF THE EQUIPMENT (I.E. FACTORY FABRICATED TO COMPENSATE FOR ROOF SLOPE). OBTAIN ROOF SLOPES AND DIRECTION OF SLOPE FROM ARCHITECTURAL AND/OR STRUCTURAL PLANS. ALL ROOF CURBS SHALL BE A MINIMUM OF 8" HIGH. SHIMMING OF CURBS IS NOT ACCEPTABLE.
- ROOF PENETRATIONS AND FLASHING OR SEALING MUST COMPLY WITH ROOF MANUFACTURER'S RECOMMENDATIONS AND WARRANTY REQUIREMENTS.
- ALL DUCTS SHALL BE MOUNTED HIGH AS POSSIBLE AGAINST BOTTOM OF STRUCTURE EXCEPT AS REQUIRED TO AVOID CONFLICTS WITH INTERSECTING SYSTEMS. DIAGONALLY OFFSET DUCTS IMMEDIATELY BEFORE AND AFTER PASSING UNDER INTERSECTING SYSTEMS TO MAINTAIN DUCT TIGHT TO STRUCTURE.
- CONTRACTOR SHALL FIELD VERIFY ALL PIPE ROUTING AND ADJUST ELEVATIONS AS REQUIRED TO AVOID CONFLICTS. FINAL PLACEMENT OF PIPING SHALL BE DETERMINED BY FIELD MEASUREMENT AND VERIFICATION. ELEVATIONS ARE REFERENCED TO PIPE CENTERLINE UNLESS OTHERWISE NOTED.
- DUCTWORK SHALL CONFORM TO THE FOLLOWING PRESSURE CLASSES: SUPPLY: 2" SP; RETURN/RELIEF/OUTSIDE AIR/EXHAUST: 2" SP. ALL DUCTWORK IS REQUIRED TO BE TESTED IN ACCORDANCE WITH THE SPECIFICATIONS.
- ALL EQUIPMENT, DEVICES, AND FIXTURES SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATION.
- CONTRACTOR SHALL VERIFY CLOSELY AT SITE TRANSPORTATION OF NEW HVAC EQUIPMENT INTO MECHANICAL AREAS BEFORE BIDDING. PROVIDE COMPLETE DISASSEMBLY AND RE-ASSEMBLY OF NEW EQUIPMENT AS REQUIRED FOR A COMPLETE INSTALLATION.
- PROVIDE FLEXIBLE CONNECTIONS AND TRANSITIONS ON DUCT INLET AND OUTLET CONNECTIONS TO ALL EQUIPMENT WITH MOVING PARTS.
- DUCTWORK VISIBLE THROUGH RETURN AIR OPENINGS SHALL BE PAINTED FLAT BLACK TO REDUCE VISIBILITY.
- EXPOSED DUCTWORK AND PIPING SHALL BE FURNISHED SUITABLE FOR PAINTING.
- NOT ALL REQUIRED PIPING, VALVES, OR FITTINGS ARE SHOWN ON DRAWINGS FOR CLARITY. COORDINATE PLAN DETAILS WITH SPECIFICATIONS, SCHEMATICS, FLOW DIAGRAMS, AND OTHER DETAILS TO PROVIDE COMPLETE PIPING SYSTEMS.
- COORDINATE WORK CLOSELY WITH CONTROL REQUIREMENTS. PROVIDE ALL NECESSARY DUCT TAPS, PIPE TAPS, WELLS, AND OTHER APPURTENANCES REQUIRED BY CONTROL SYSTEM. PROVIDE SPARE PIPE WELL ADJACENT TO EACH TEMPERATURE SENSOR IN PIPING.
- COORDINATE FINAL PLACEMENT OF ALL THERMOSTATS WITH WALL-MOUNTED DEVICES AND OWNER'S REPRESENTATIVE. MOUNT PER A.D.A. REQUIREMENTS. ANY THERMOSTAT THAT IS REQUIRED TO BE MOUNTED ON AN EXTERIOR WALL SHALL BE MOUNTED ON AN INSULATED PAD.
- INSTALL SMOKE DETECTOR IN SUPPLY AND RETURN DUCT OF ALL AIR HANDLERS SUPPLYING GREATER THAN 2,000 CFM.
- PROVIDE CONCRETE PADS FOR ALL GROUND MOUNTED EQUIPMENT.
- REPLACE ALL ARCHITECTURAL FEATURES REMOVED OR DAMAGED DURING THE COURSE OF THE WORK.
- CONTRACTOR SHALL PATCH ALL WALLS, FLOORS, AND CEILINGS TO MATCH EXISTING FOR ALL OPENINGS CREATED BY INSTALLATION OF EQUIPMENT AND HVAC SERVICE PENETRATIONS.
- ALL SUPPLY, RETURN, RELIEF, AND OUTSIDE AIR DUCTWORK SHALL BE EXTERNALLY INSULATED EXCEPT WHERE LINER, DOUBLE WALL LINED DUCT, OR FABRIC DUCT IS INDICATED. INSULATE TOPS OF SUPPLY AIR DIFFUSERS WITH 2" THICK FIBERGLASS DUCT WRAP.
- REFER TO SPECIFICATIONS FOR INSULATION AND R-VALUES FOR MECHANICAL PIPING AND DUCTWORK INSULATION.
- ALL HVAC COMPONENTS WITH ELECTRICAL REQUIREMENTS SHALL BE INSTALLED WITH ELECTRICAL INFRASTRUCTURE NECESSARY TO PROVIDE A FULLY FUNCTIONING SYSTEM. IF NOT SPECIFICALLY SHOWN ON ELECTRICAL SCHEDULE, HVAC FIXTURES REQUIRING ELECTRICAL SERVICE SHALL BE FED FROM BREAKER OF ADEQUATE CAPACITY.
- ALL CONTROL WIRING SHALL BE INSTALLED IN CONDUIT.
- PLENUM CABLING SHALL HAVE ITS OWN SYSTEM OF SUPPORT AND BE STRUCTURALLY SOUND. ATTACHMENT TO CEILING GRID AND HANGER WIRES IS PROHIBITED. WHERE NOT INSTALLED IN CONDUIT, CABLING SHALL BE RUN IN CABLE HOOKS. CABLING LAYING ON CEILING TILES IS PROHIBITED.
- CONTRACTOR SHALL PROVIDE FURR DOWN AND ANY OTHER CEILING MODIFICATIONS NEEDED TO ACCOMMODATE DUCTWORK PENETRATIONS.
- PROVIDE ALL HVAC UNITS WITH AN EXTRA SET OF MANUFACTURER'S RECOMMENDED FILTERS AFTER PROJECT COMPLETION.

#### DEMOLITION GENERAL NOTES

- ALL EXISTING BUILDING HVAC EQUIPMENT IS TO BE DEMOLISHED IN ENTIRETY.
- THE MECHANICAL RELATED DEMOLITION WORK INDICATED ON THE PLANS, SPECIFICATIONS, AND NOTES IS TO BE CLOSELY COORDINATED WITH THE OWNER'S REPRESENTATIVE. NO DEMOLITION SHALL TAKE PLACE IN ANY AREA OR BUILDING UNTIL THE CONTRACTOR HAS BEEN GIVEN APPROVAL TO PROCEED IN THAT SPECIFIC LOCATION. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION AND DEMOLITION SCOPE OF WORK.
- IF, DURING DEMOLITION, IT BECOMES NECESSARY TO TEMPORARILY REMOVE ANY EQUIPMENT, PIPING, OR OTHER SYSTEM WHICH IS NOT SPECIFICALLY NOTED TO BE REMOVED (THEREBY IMPLYING THAT THEY ARE TO BE LEFT FOR FUTURE USE), THE CONTRACTOR SHALL REINSTALL SAID SYSTEMS TO FULLY OPERABLE CONDITION IN THEIR ORIGINAL LOCATIONS.
- ALL DEMOLITION WORK SHALL BE SCHEDULED WITH THE OWNER'S REPRESENTATIVE AT LEAST 48 HOURS PRIOR TO THE WORK.
- PATCH ALL OPENINGS IN WALLS, FLOORS, AND CEILINGS WHERE DUCT, PIPING, AND CONTROLS HAVE BEEN REMOVED TO MATCH EXISTING.
- ANY DAMAGE TO THE OWNER'S PROPERTY, BUILDING, EXISTING SYSTEMS, OR EQUIPMENT RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER AND ENGINEER WITHOUT ADDITIONAL COST TO THE OWNER.
- MAINTAIN THE SECURITY OF THE BUILDING AT ALL TIMES.
- REMOVE EXISTING CONTROL SYSTEMS SERVING DEMOLISHED HVAC EQUIPMENT UNLESS OTHERWISE NOTED.
- REMOVE ALL EXISTING SUPPORTS ASSOCIATED WITH EQUIPMENT, DUCTWORK, AND PIPE BEING REMOVED UNLESS NOTED OTHERWISE.
- DISPOSE OF ALL REMOVED EQUIPMENT AS DIRECTED BY THE OWNER.
- CONTRACTOR SHALL COORDINATE REMOVAL OF UTILITY SERVICES WITH UTILITY COMPANIES AND LOCAL AUTHORITIES AND PAY ALL FEES.
- SCHEDULE UTILITY WORK WITH OWNER TO KEEP TO A MINIMUM ACCEPTABLE DOWNTIME AND TO NOT INTERFERE WITH THE BUILDING OPERATIONAL SCHEDULE, IF POSSIBLE.
- MAINTAIN THE FIRE AND SMOKE CONSTRUCTION INTEGRITY OF THE EXISTING BUILDINGS.
- DO NOT VENT REFRIGERANT TO ATMOSPHERE. RECOVER REFRIGERANT FOR REUSE USING ASHRAE RECOMMENDED PROCEDURES.
- IF DURING THE COURSE OF THE WORK MATERIAL WHICH MAY CONTAIN ASBESTOS IS DISCOVERED, STOP WORK IMMEDIATELY AND COMPLY WITH EPA REGULATIONS TO PROTECT WORKERS AND OCCUPANTS. NOTIFY OWNER AND ENGINEER.
- ALL UNDERGROUND PIPING WHICH IS SHOWN TO BE TAKEN OUT OF SERVICE SHALL BE REMOVED TO POINTS INDICATED, AND REMAINING PIPE SHALL BE PURGED AND PLUGGED.
- EXISTING EQUIPMENT SHALL BE RELOCATED AS NECESSARY FOR THE INSTALLATION OF THE NEW SYSTEMS. METHODS AND POSITIONS OF THE RELOCATIONS SHALL HAVE PRIOR APPROVAL OF THE ARCHITECT.
- DEMOLITION AND SHUTDOWN OF EXISTING HVAC SYSTEMS SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE AND PLANNED TO LIMIT INCONVENIENCE AND DISRUPTION OF BUILDING OPERATIONS AS MUCH AS POSSIBLE. WORK SHALL BE PHASED ACCORDINGLY. PLUMBING OR HVAC WORK REQUIRED IN OCCUPIED AREAS SHALL BE SCHEDULED WITH THE OWNER 48 HOURS IN ADVANCE.
- SPECIAL CARE SHALL BE TAKEN ON THE EXISTING ROOFS TO PREVENT DAMAGE. ANY DAMAGE SHALL BE PROMPTLY REPAIRED AT NO EXPENSE TO THE OWNER. COMPLY WITH BONDING REQUIREMENTS OF EXISTING ROOF.
- DEMOLITION AND SHUTDOWN OF EXISTING HVAC SYSTEMS THAT WILL AFFECT PORTIONS OF THE BUILDING OUTSIDE OF PROJECT AREA SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE AND PLANNED TO LIMIT INCONVENIENCE AND DISRUPTION OF BUILDING OPERATIONS AS MUCH AS POSSIBLE. WORK SHALL BE PHASED ACCORDINGLY.

HVAC -- CIRCULATION FAN SCHEDULE											
DESIGNATION		DESCRIPTION	MANUFACTURER	MODEL	FAN DIA.	FINISH	BLADE MATERIAL	ELECTRICAL / MOTOR DATA			
TYPE	MARK							VOLTAGE	PHASE	MOTOR DRIVE	MOTOR HP
CF	1	COMMERCIAL HVLS FAN	MACROAIR	AVD370	10' - 0"	BLACK	ALUMINUM	120 V	1	DIRECT	0.75
1	PROVIDE FACTORY VFD, WIRED CONTROLLER, AND DISCONNECT.										
2	COORDINATE FAN HEIGHT AND INSTALLATION WITH EXISTING STRUCTURE										

E | D | G

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REGISTERED PROFESSIONAL ENGINEER  
No. 1323  
C. RICKARD  
12/26/2019

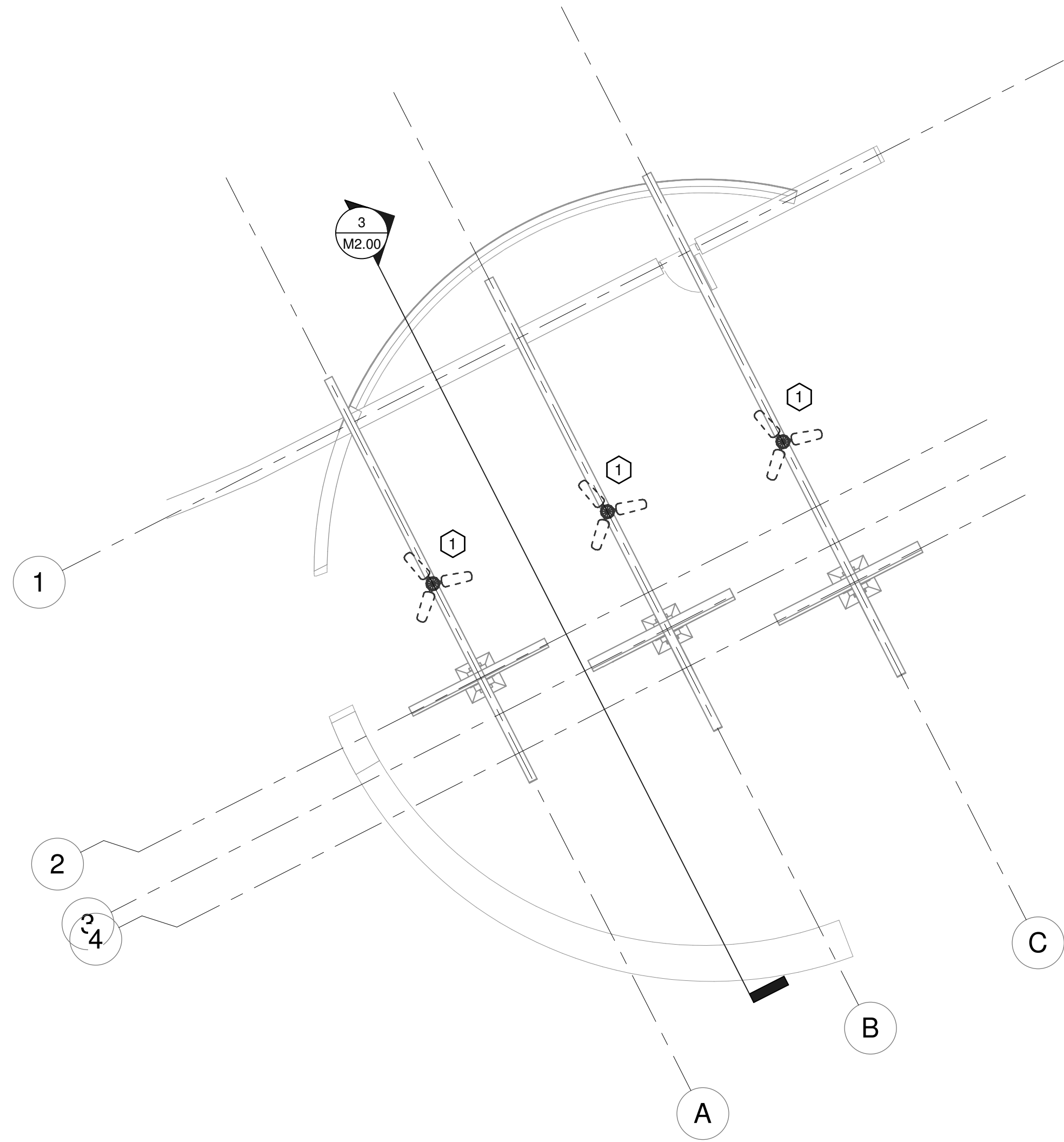
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Know what's below.  
Call before you dig.

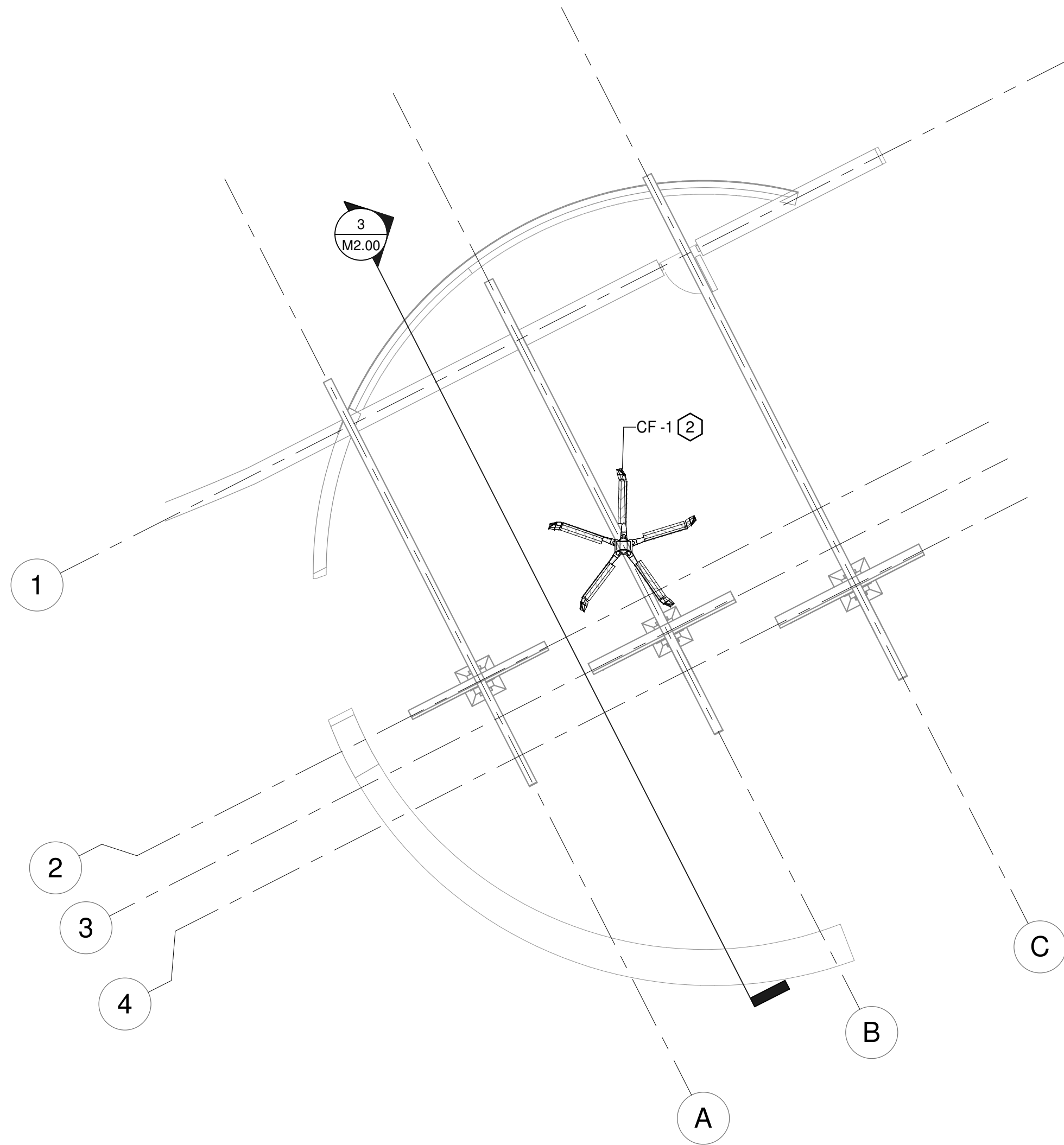
1"  
ONE INCH AT FULL SIZE IF NOT  
ONE INCH SCALE ACCORDINGLY

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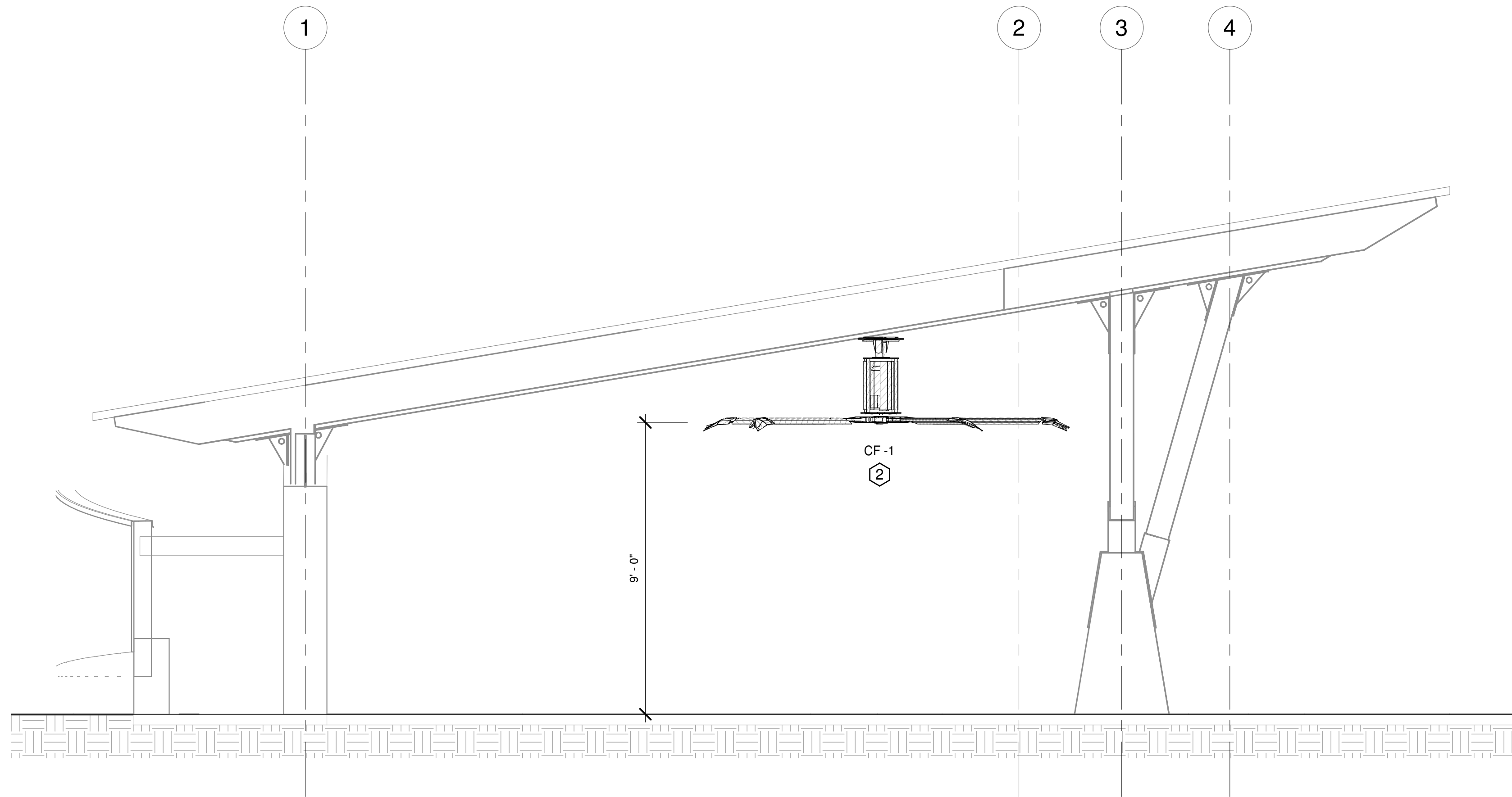




**1** COMMITAL SHELTER HVAC DEMO PLAN  
1/8" = 1'-0"



**2** COMMITAL SHELTER RENO PLAN  
1/8" = 1'-0"



**3** CF-01 SECTION  
3/8" = 1'-0"

**KEYED NOTES:**

1. DEMOLISH EXISTING CEILING FAN.
2. INSTALL NEW HVLS FAN AT 9'-0" AFF. MAINTAIN 18" CLEARANCE ABOVE FAN BLADES.

REVISIONS	Number	Date