

UCA STONE DAM CREEK PED. BRIDGE (TAP-20) (S)

October 3, 2023

ARDOT #080670
TAPF-9095(45)
UCA #23-036

**Stocks
Mann** ■■■
Architects, PLC
401 W. CAPITOL, SUITE 402
LITTLE ROCK, AR 72201
501-370-9207

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CIVIL ENGINEER

DCI, INC.
2200 NORTH RODNEY PARHAM, STE. 220
LITTLE ROCK, ARKANSAS 72212
(501) 221-7880

STRUCTURAL ENGINEER

ROBBINS ENGINEERING, INC.
10018 W. MARKHAM STREET
LITTLE ROCK, ARKANSAS 72205
(501) 664-7575

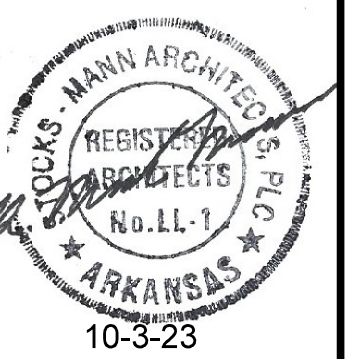
I hereby certify that these plans and specifications have been prepared by me, or under my supervision. I further certify that to the best of my knowledge these plans and specifications are as required by law and in compliance with the ARKANSAS FIRE PREVENTION CODE for the state of Arkansas

R. Mark Mann
Architect's Name: R. Mark Mann

AR Registration No. 1509

**Stocks
Mann** ■■■
Architects, PLC
401 W. CAPITOL, SUITE 402
LITTLE ROCK, AR 72201
501-370-9207 501-370-9208 (FAX)

CONSULTANTS
STRUCTURAL ENGINEER
Robbins Engineering, Inc.
CIVIL ENGINEER
Development Consultants, Inc.



UNIVERSITY OF CENTRAL ARKANSAS
STONE DAM CREEK PEDESTRIAN BRIDGE
CONWAY, ARKANSAS

REVISIONS

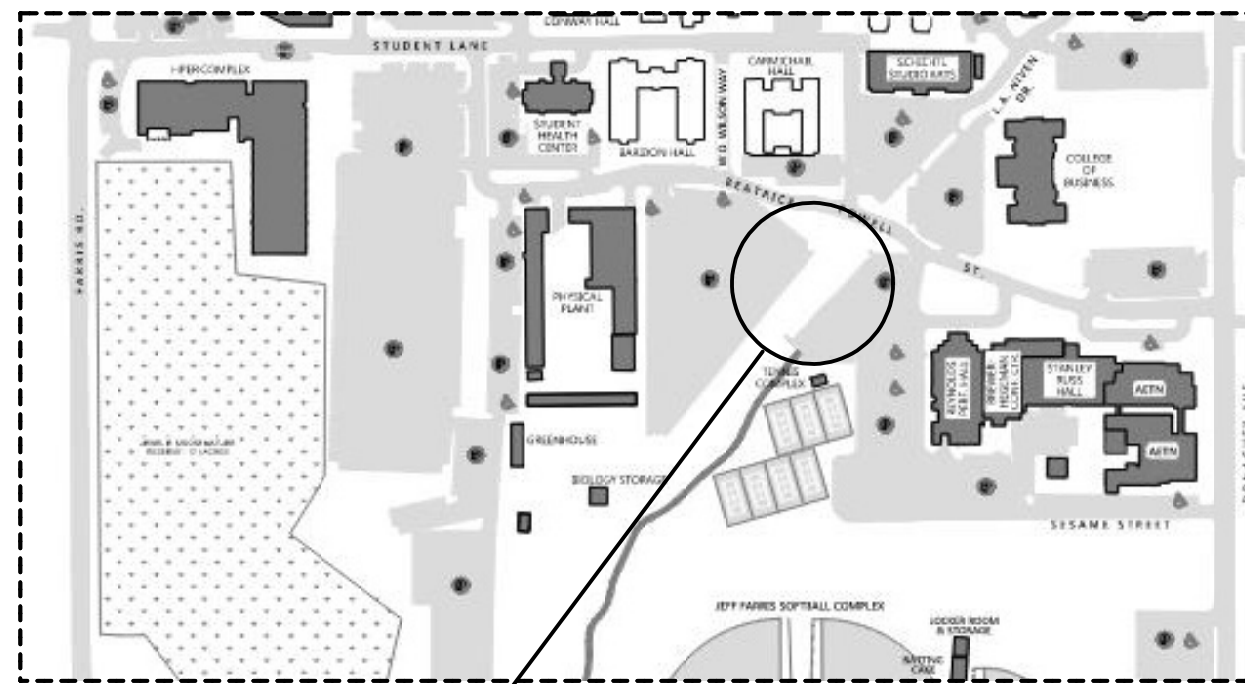
ISSUE DATE
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PROJECT NO.
SMA #1505R
ARDOT #080670
TAPF-9095(45)

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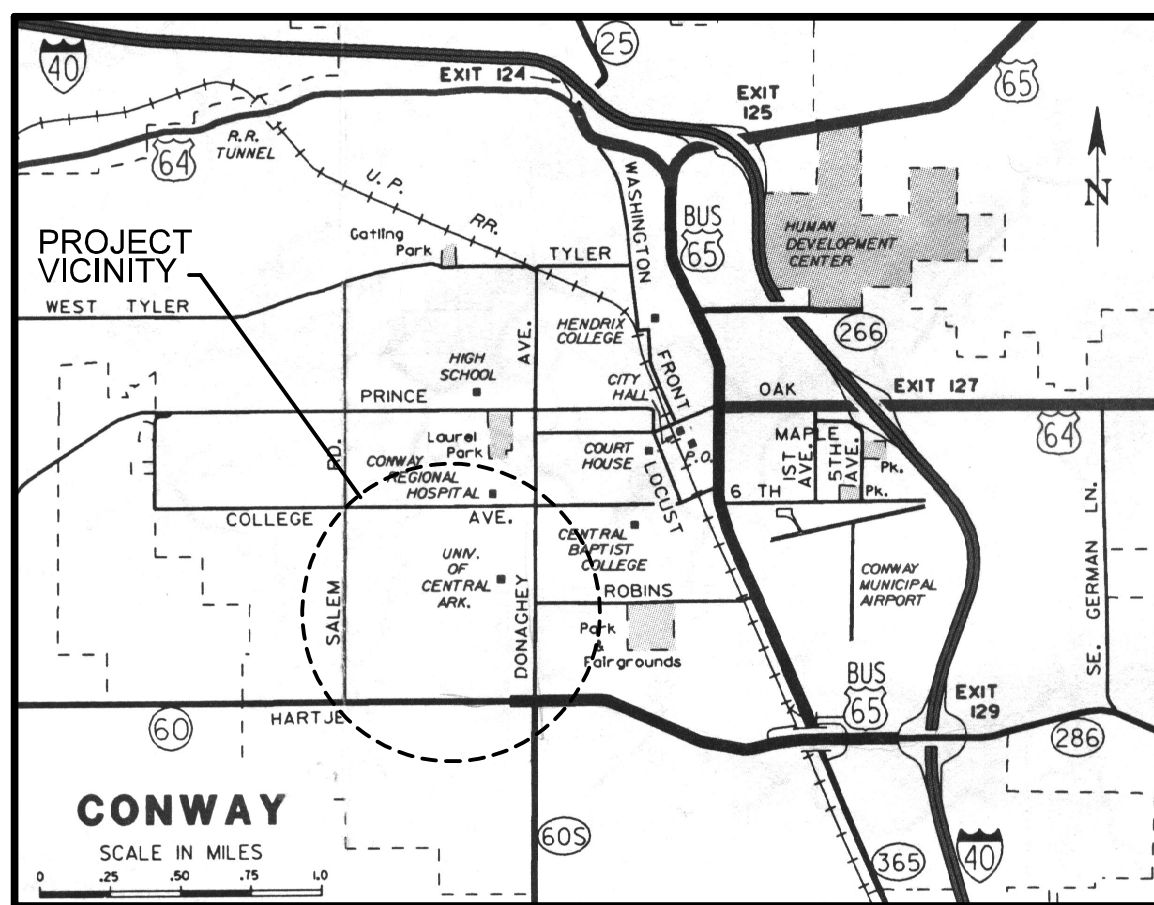
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T1.1

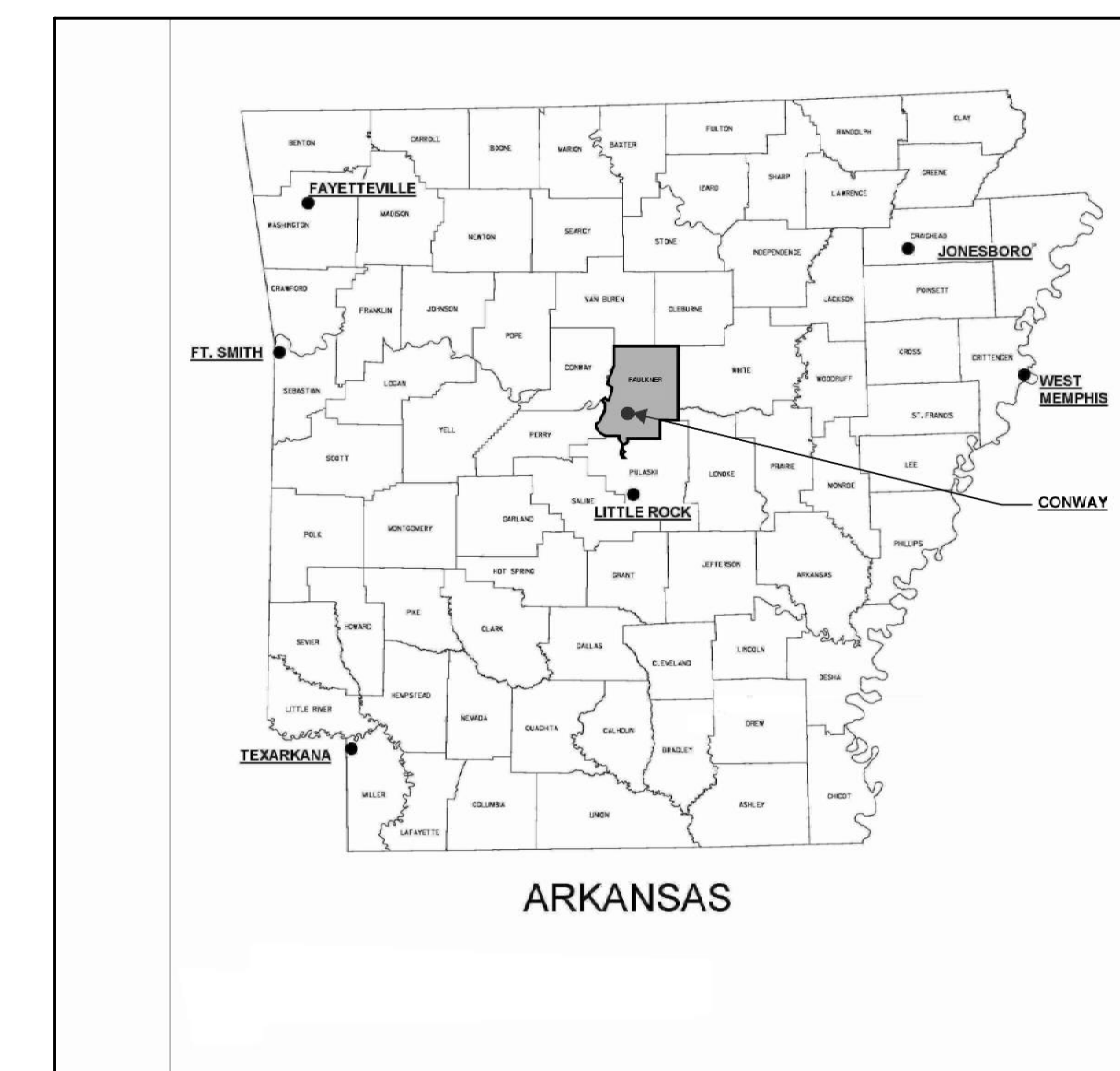


STONE DAM CREEK
PEDESTRIAN BRIDGE PROJECT
LATITUDE: 35.07586
LONGITUDE: -92.45757

UNIVERSITY OF CENTRAL ARKANSAS CAMPUS

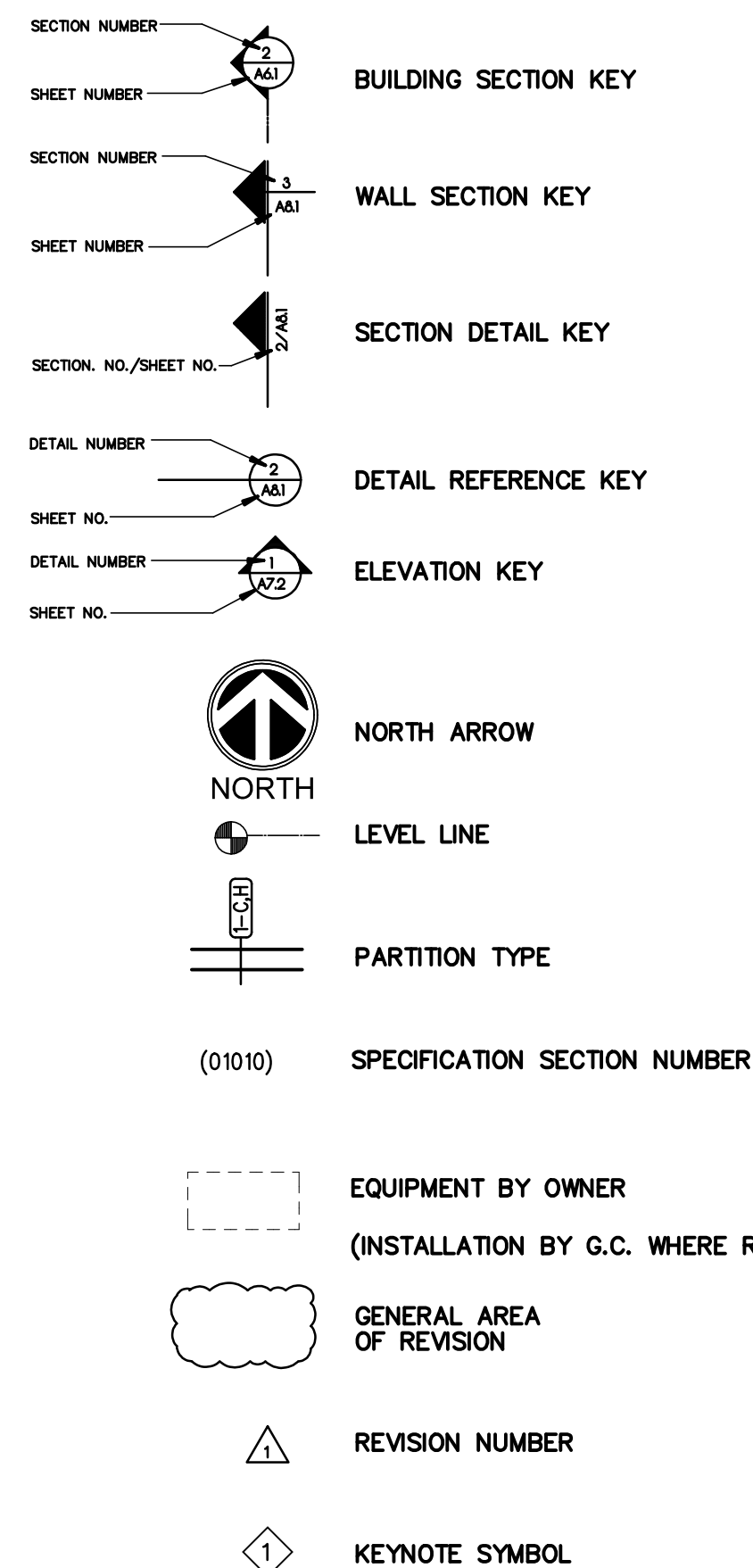


VICINITY MAP



ARKANSAS STATE MAP

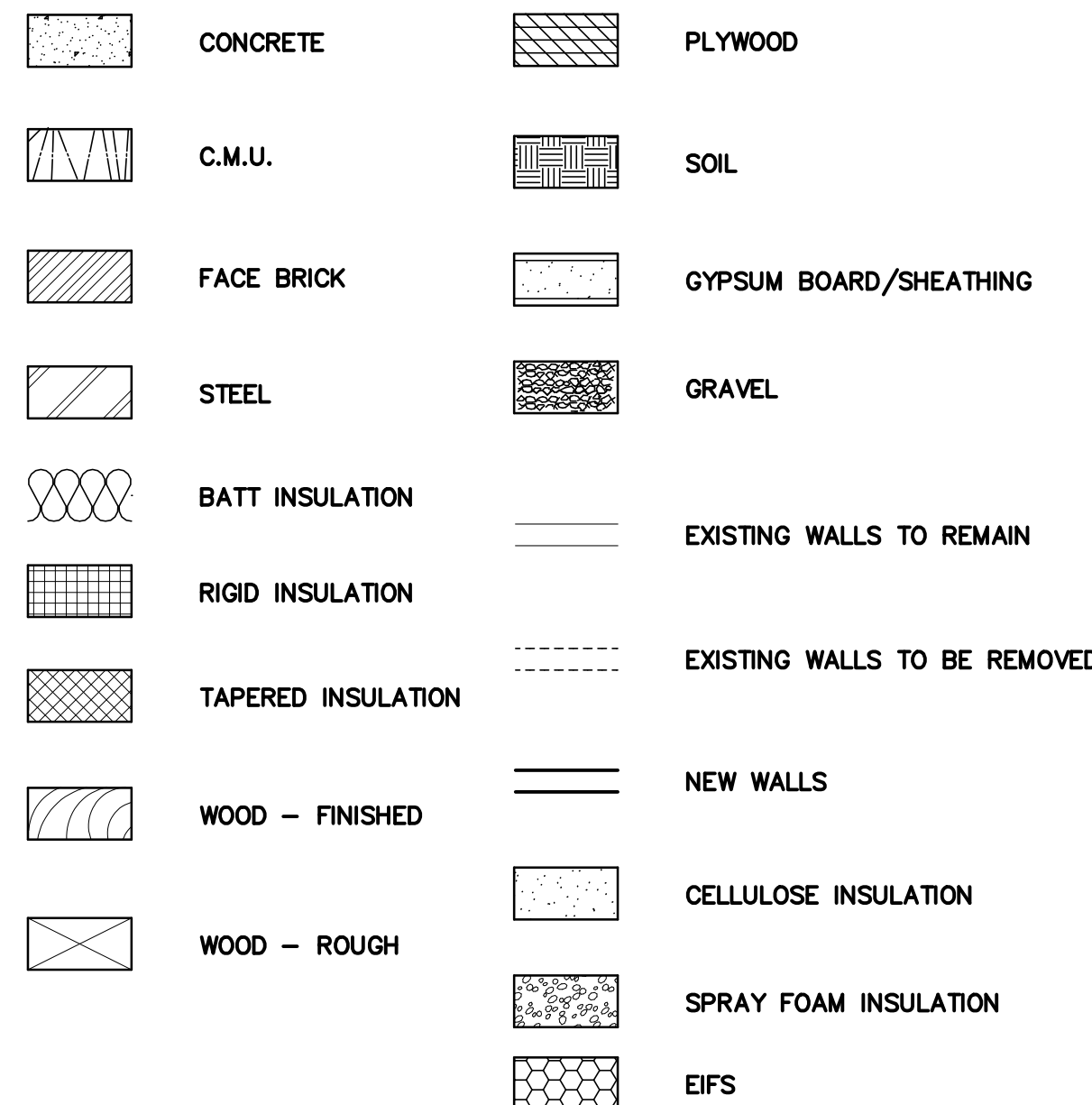
ARCHITECTURAL SYMBOL LEGEND



APPLICABLE CODES

2021 Arkansas Fire Prevention Code
(based on the 2021 International Fire Code w/ Arkansas Amendments)
Americans with Disabilities Act (ADA)
(based on the 2010 Americans with Disabilities Act)
National Electric Code 2017

MATERIAL LEGEND



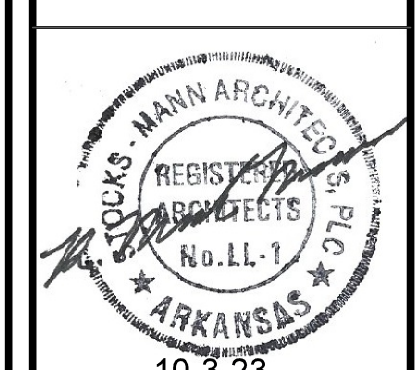
GENERAL NOTES

- 1. IN THE EVENT OF CONFLICTS OR IF ADDITIONAL DETAIL OR GUIDANCE IS NEEDED FOR THE CONSTRUCTION OF ANY ASPECT OF THE PROJECT, THE ARCHITECT SHALL BE NOTIFIED PRIOR TO INSTALLATION.
- 2. THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING DIMENSIONS AND CONDITIONS PRIOR TO STARTING WORK. BEGINNING WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.
- 3. THE CONTRACTOR AND/OR HIS SUBCONTRACTORS ARE RESPONSIBLE FOR THEIR WORK AND MATERIALS MEETING APPLICABLE CODES, ORDINANCES, AND STANDARDS.
- 4. UCA PREFERS NOT TO INTERRUPT ANY UTILITIES WITHIN THE SITE AT ANYTIME DURING CONSTRUCTION. IF UTILITIES HAVE TO BE INTERRUPTED, NOTIFY UCA PHYSICAL PLANT 72 HOURS IN ADVANCE OF ACTIVITIES THAT WILL AFFECT CAMPUS OPERATIONS.
- 5. SMOKING IS NOT ALLOWED ON CAMPUS. THIS INCLUDES SMOKELESS TOBACCO PRODUCTS.
- 6. CONTRACTOR TO TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE GROUNDS, PERSONNEL, EQUIPMENT, AND FINISHES.
- 7. WORK AREA TO BE CLEANED AT THE END OF DAYS WORK, MORE OFTEN WHEN NECESSARY AND PROPERLY DISPOSED OF, OFF OF CONSTRUCTION SITE. STOCKPILING OF DEBRIS WILL NOT BE PERMITTED.
- 8. CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO PREVENT THE INFILTRATION OF DUST, DIRT, AND ODORS INTO ADJACENT NON-CONSTRUCTION AREAS.
- 9. CONTRACTOR SHALL COORDINATE WITH UCA TO BLOCK OFF PARKING FOR CONSTRUCTION
- 10. ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED.
- 11. THIS PROJECT IS COVERED UNDER A NATIONWIDE 14 SECTION 404 PERMIT. PERMIT IS INCLUDED UNDER DIVISION 0 - SECTION 003140 - USACE 404
- 12. PRIOR TO THE EXCAVATION FOR FOOTINGS, SIDEWALKS, ETC, LOCATE EXISTING UTILITIES
- 13. EXCAVATIONS OCCUR OVER EXISTING UTILITIES, EXTREME CARE IS TO BE USED IN THESE AREAS TO PREVENT DISTRIBUTION OF SERVICE TO THE UCA CAMPUS, SEE T-1 FOR KNOWN UTILITIES.
- 14. COORDINATE FOUNDATION LOCATIONS WITH PREFABRICATED BRIDGE, GANGWAYS, RAMPS, STAIRS AND TOWER LANDINGS SHOP DRAWINGS PRIOR TO INSTALLATION OF FOUNDATIONS.
- 15. IT IS PROJECTED THAT THIS PROJECT WILL EXTEND INTO THE FALL SEMESTER. THE ADJACENT PARKING LOTS ARE UTILIZED BY UCA STUDENTS DURING CLASS HOURS DURING THE WEEK. THE CONTRACTOR WILL NEED TO COORDINATE WITH UCA AS TO THE NUMBER OF PARKING SPACES REQUIRED FOR THEIR WORK AND A MEANS TO DESIGNATE CONSTRUCTION PARKING.

ABBREVIATIONS

Table of abbreviations for architectural, mechanical, plumbing, and electrical symbols, including terms like ANCH, AGG, ABV, A.F.F., ALUM, ADJ, A/C, ACOUST, ASPH, A.S.B., ATTN, ALT, ADDM, ALLOW, BRK, BLKG, BD, BLK, BLDG, BTM, SM, BETW, BT, B.U.R., BRG, B.S., CONST, CEM, C, C.B., C.J., COL, CO, COND, C.M.U., CTR, CTR.FLSHG, CONC, CO, CER, CONTR, CONT, CLO, CONN, CAB, COV, C, C.G., CLR, CTR, C.O., CLO, DIAG, DED, DP, DBL, DISP, DIA, DIM, DN, DS, DR, D.F., DW, DWG, DET, EXT, ELEV, E.W., EQ, ELEC, EQUIP, EXST, EXP, E.W.C., EXH, E.I.F.S., E.J., EXP. JT., E, ENCL, EA, E.P.S., EL, E.F., E.B., F.F.E., FURR, F.E.C., F.E., F.V., FIN, FT, F.B., F.F., FLSHG, FLUOR, FRM, FRN, FOUND, FLR, FTG, F.H., F.D., F.R.T.W., FLRG, GYP. BD., GYP, G.B., GA, GALV, GEN, G.C., GFR, H.R., HD, HDWD, HDCP, H, HORIZ, H.M., HLW, HT, HYD, HR, H.C., HDWR, INSUL, IN, INT, LD, INV, INCL, JT, JAN, JST, J.B., KD, LAV, LAM, L.P., LT, LT. WT., LIN, LT., M.H., M.C.B., MECH, MACH, MTL, MANUF, M, MID, MEMB, MAX, MIN, MED, M.B., MB, MEZZ, MTR, M.E.L., MTL, MISC, M.O., M.B.R., MATL, MOD. BIT., MK, N.I.C., N.W., N, NO, N.T.S., NECT, NOM, OPP, O.C., O.F.C.I., O.D., O.PNG, OFF, O.V., O.V.H., O.H., POLYISO, PREFIN, PL. LAM., P.S.I., PTD, PLATE, PLYWOOD, PREFAB, E, PVC, P.P., P.T., PART, PHL, PERFOR, PHOTO, PLMB, POLY, PROJ, QTY, Q.T., QTR, RES, RECT, RET, REINF, RR, ROOF, RE, ROOM, RAD, R, RADIUS, R.O., R.D., REQD, REC, RESLT, REM, REV, REF, S, S.S.T., SUSP, S.C., STL, SHEL, SHELV, SHEATH, S.E., STRUCT, STD, STOR, STAIN, STO, SKYL, SIMILAR, S.V., SING, SPR, SCHED, S.S., SQ, SECT, SPEC, SYS, SHEET, SF, TAB, TREAT, TLT, TYP, TEL, T.O.C., T.O.B., T.P., T.B., T.B.R., THK, T.J., T, THRESH, T.O.W., TOJ, TYP, T&G, THRU, TPD, U.N.O., U.L. DES., UR, V.C.P., V.E.T., V.TRU, VEST, V.R., VERT, W/O, W/, W.W.M., W, WASH, WD, WNDW, W.O., W.G., WT, W.F., WP, WC, WH, ANGLE, DIAMETER, NUMBER, AT

CONSULTANTS
STRUCTURAL ENGINEER
Robbins Engineering, Inc.
CIVIL ENGINEER
Development Consultants, Inc.

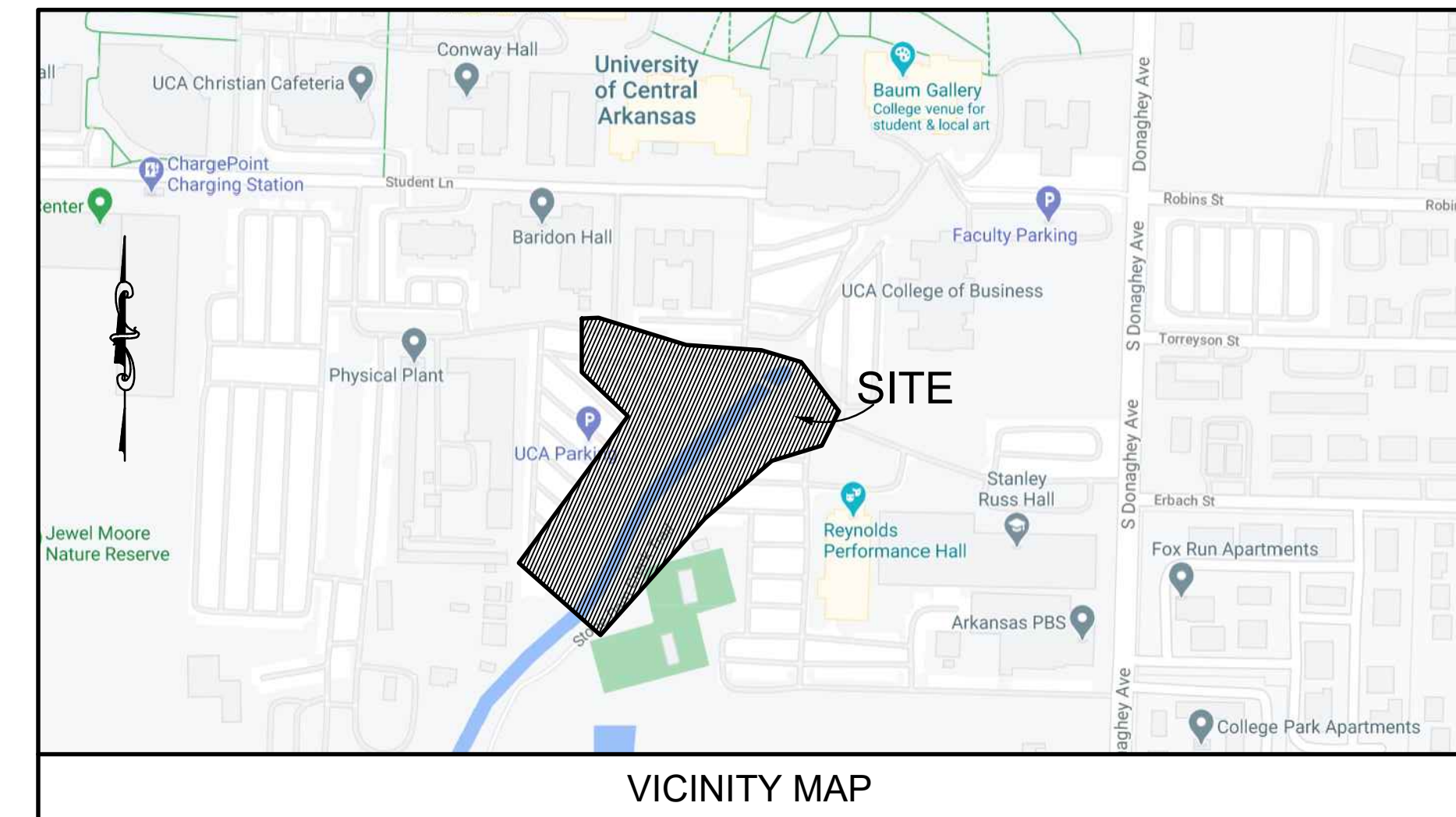
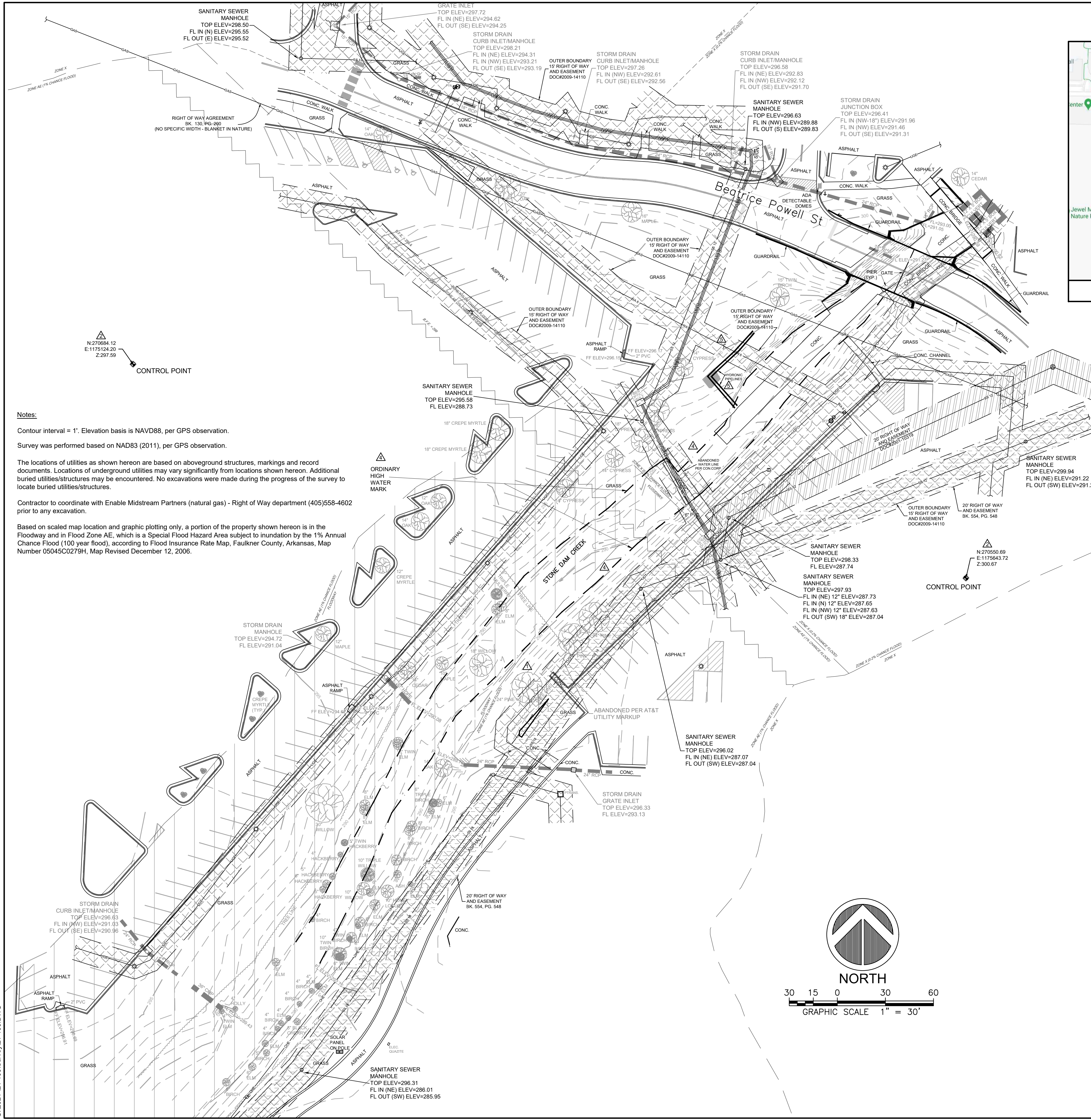


UNIVERSITY OF CENTRAL ARKANSAS
STONE DAM CREEK PEDESTRIAN BRIDGE
CONWAY, ARKANSAS

REVISIONS

Table with columns for REVISIONS, ISSUE DATE (October 3, 2023), PROJECT NO. (SMA #1505R, ARDOT #080670, TAPP-9095(45)), CONTENTS, GENERAL INFORMATION, SHEET NUMBER.

ABBREVIATIONS FOR CIVIL, MECHANICAL, PLUMBING AND ELECTRICAL SHEETS ARE THE RESPONSIBILITY OF THE ENGINEERING CONSULTANTS.



Notes:
 Contour interval = 1'. Elevation basis is NAVD88, per GPS observation.
 Survey was performed based on NAD83 (2011), per GPS observation.

The locations of utilities as shown hereon are based on aboveground structures, markings and record documents. Locations of underground utilities may vary significantly from locations shown hereon. Additional buried utilities/structures may be encountered. No excavations were made during the progress of the survey to locate buried utilities/structures.

Contractor to coordinate with Enable Midstream Partners (natural gas) - Right of Way department (405)558-4602 prior to any excavation.

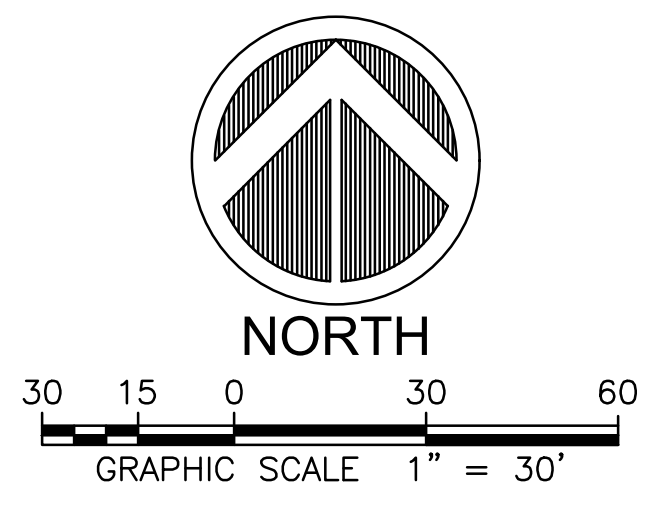
Based on scaled map location and graphic plotting only, a portion of the property shown hereon is in the Floodway and in Flood Zone AE, which is a Special Flood Hazard Area subject to inundation by the 1% Annual Chance Flood (100 year flood), according to Flood Insurance Rate Map, Faulkner County, Arkansas, Map Number 05045C0279H, Map Revised December 12, 2006.

LEGEND	
	CONTROL POINT
	FIRE HYDRANT
	WATER VALVE
	WATER METER
	POWER POLE
	GUY WIRE
	LIGHT POLE
	TELEPHONE PEDESTAL
	SANITARY SEWER MANHOLE
	SIGN
	WATER LINE
	GAS LINE
	OVERHEAD ELECTRIC
	UNDERGROUND FIBER OPTIC
	UNDERGROUND TELEPHONE

	20' RIGHT OF WAY AND EASEMENT DOC#2009-10319
	OUTER BOUNDARY 15' RIGHT OF WAY AND EASEMENT DOC#2009-14110
	20' RIGHT OF WAY AND EASEMENT BK. 554, PG. 548
	FLOODWAY

CERTIFICATION:
 I, Kenneth O. Beckwith, certify that a Boundary Survey was performed on the Property shown hereon by a D.C.I. Field Crew under my supervision and this drawing is an accurate representation of the Survey results.

Kenneth O. Beckwith
 Kenneth O. Beckwith
 Arkansas Registered Professional
 Land Surveyor No. 1645
 Date: 10/10/22



DEVELOPMENT CONSULTANTS INCORPORATED
 2205 N. 506TH WEST (HARRIS ROAD)
 SUITE 200
 LITTLE ROCK, AR 72217
 (501) 261-2888

COPYRIGHT: 2021
 SCALE: 1" = 30'
 DATE: 03-01-2021

REVISIONS	INCORPORATED
4-20-21	ADDED TREE
5-26-21	ADDED CONTROL POINTS
7-19-21	REVISED PROJECT NO.
9-21-21	ADD ORDINARY HIGH WATER MARK
10-10-22	ADD BADGER LOCATED HYDROIC & FIBER LINES + THRUST BLOCK
10-10-22	ADJUST FT. WATER PER CONWAY CORP & BADGER LOCATIONS

PROJECT TITLE: UCA PEDESTRIAN BRIDGE
 CONWAY, ARKANSAS

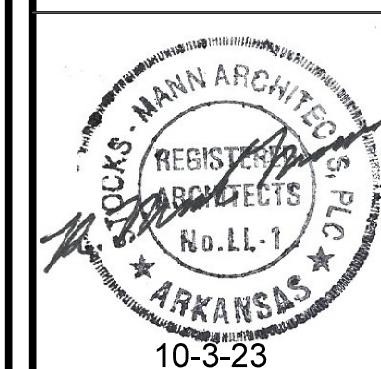
SHEET TITLE: TOPOGRAPHIC SURVEY

PROJECT NO.:

SMA #1505R
 ARDOT #800670
 TAPPF-9095 (45)

SHEET NO.:

DEVELOPMENT CONSULTANTS



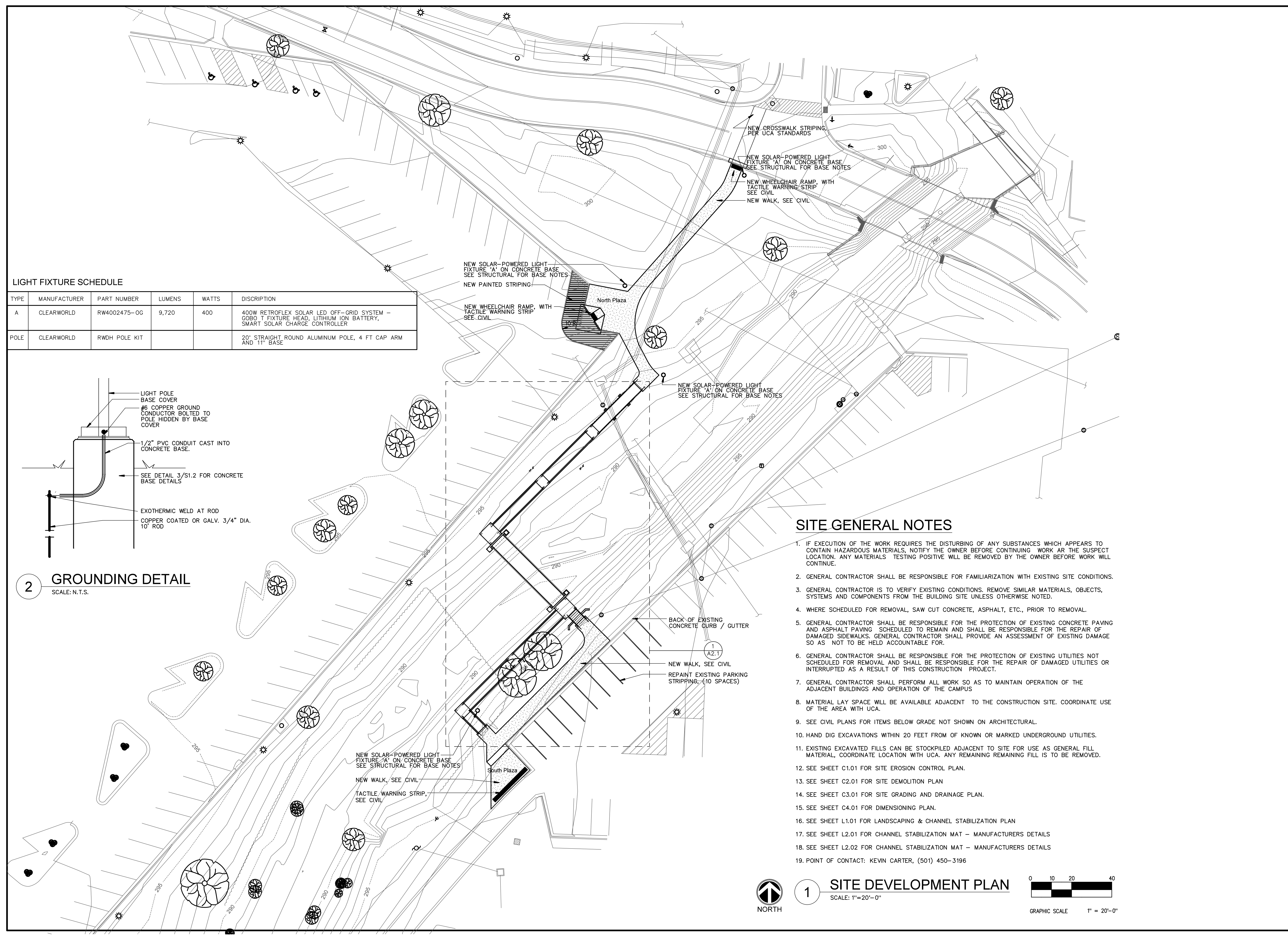
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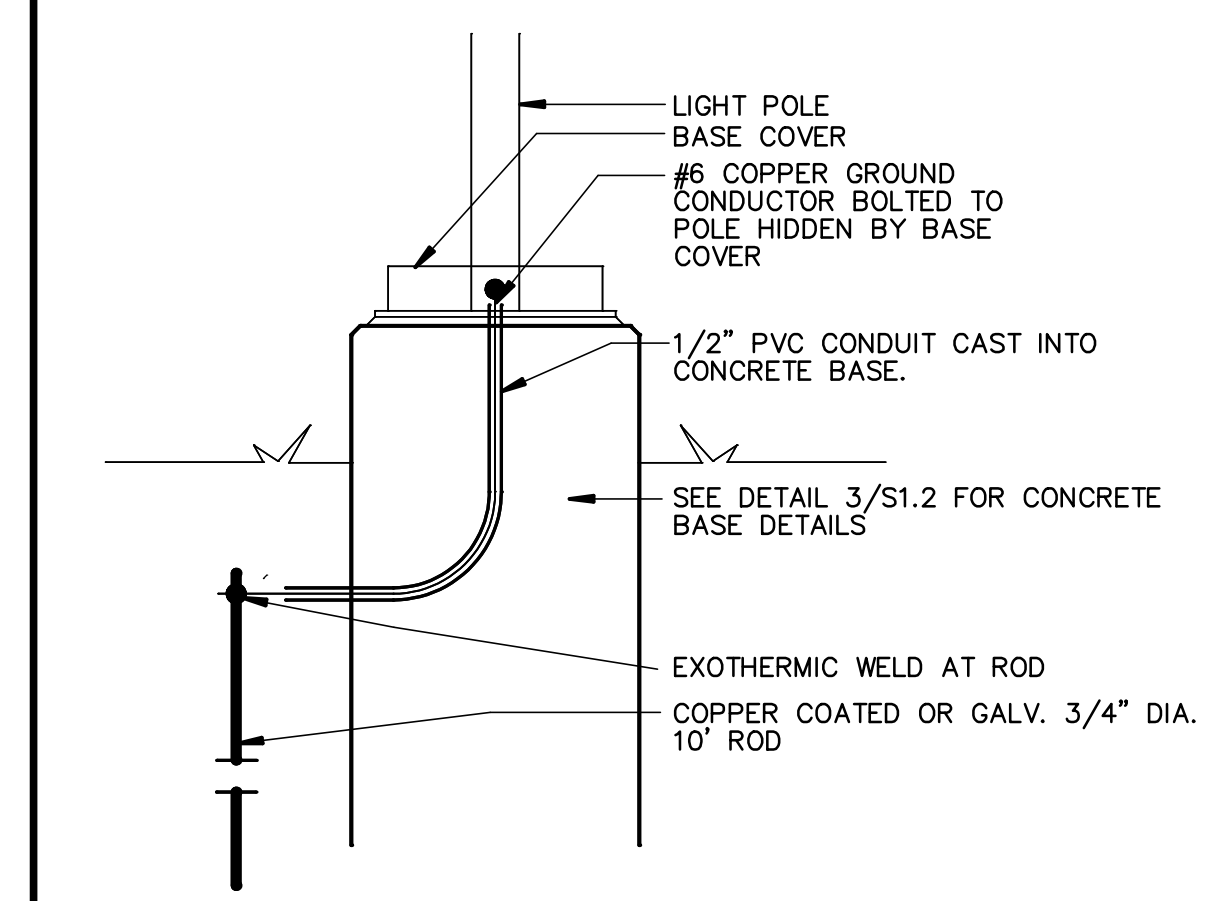
SHEET NUMBER

A1.1



LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER	PART NUMBER	LUMENS	WATTS	DISCRIPTION
A	CLEARWORLD	RW4002475-OG	9,720	400	400W RETROFLEX SOLAR LED OFF-GRID SYSTEM - GOBO T FIXTURE HEAD, LITHIUM ION BATTERY, SMART SOLAR CHARGE CONTROLLER
POLE	CLEARWORLD	RWDH POLE KIT			20' STRAIGHT ROUND ALUMINUM POLE, 4 FT CAP ARM AND 11" BASE

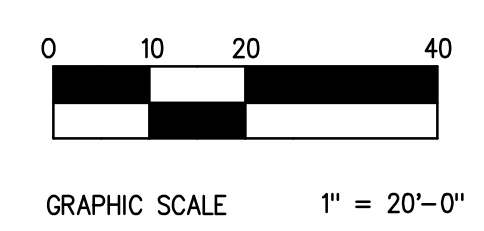


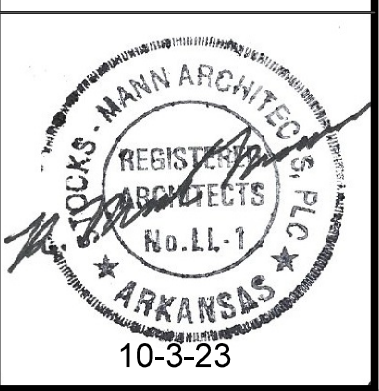
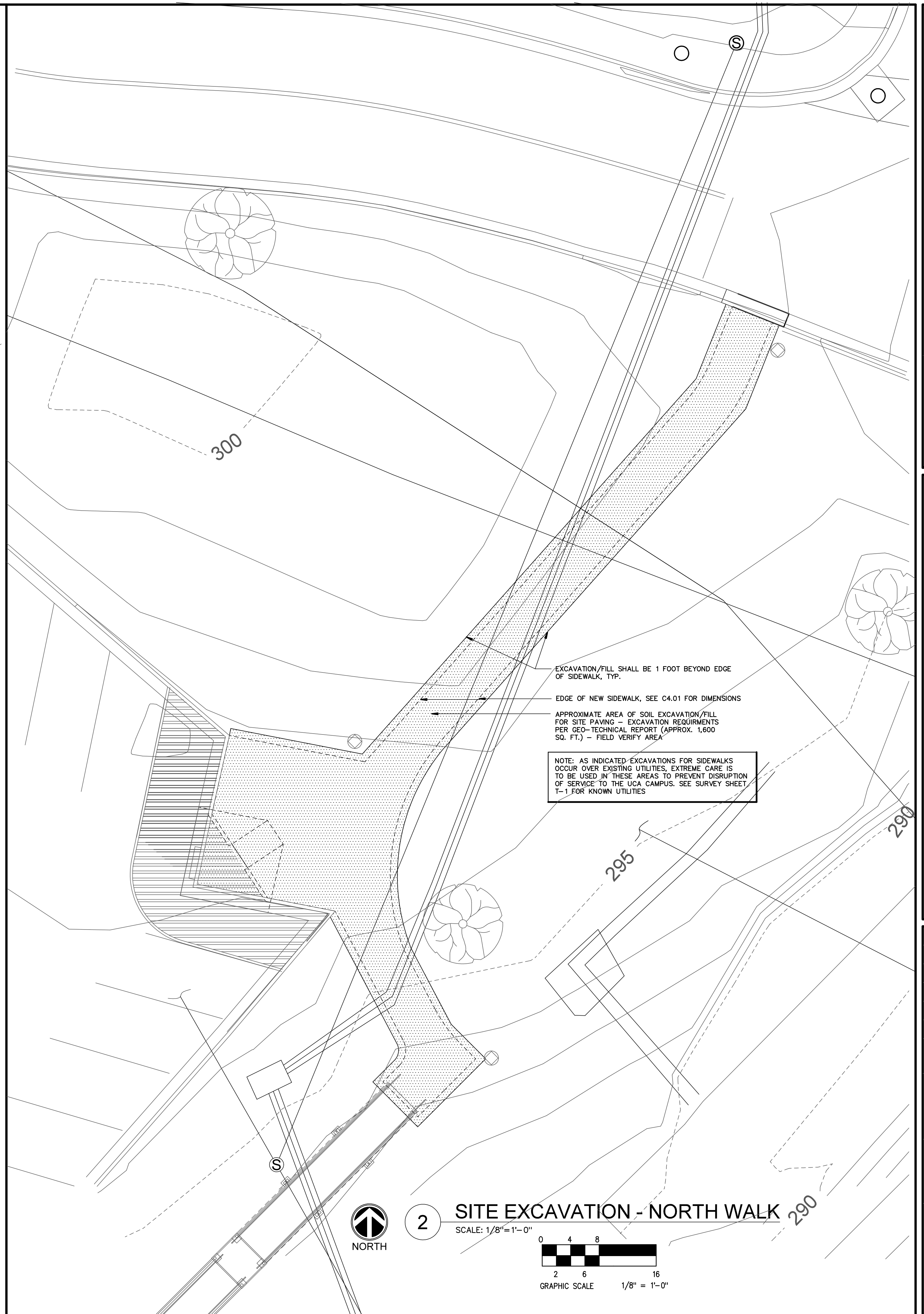
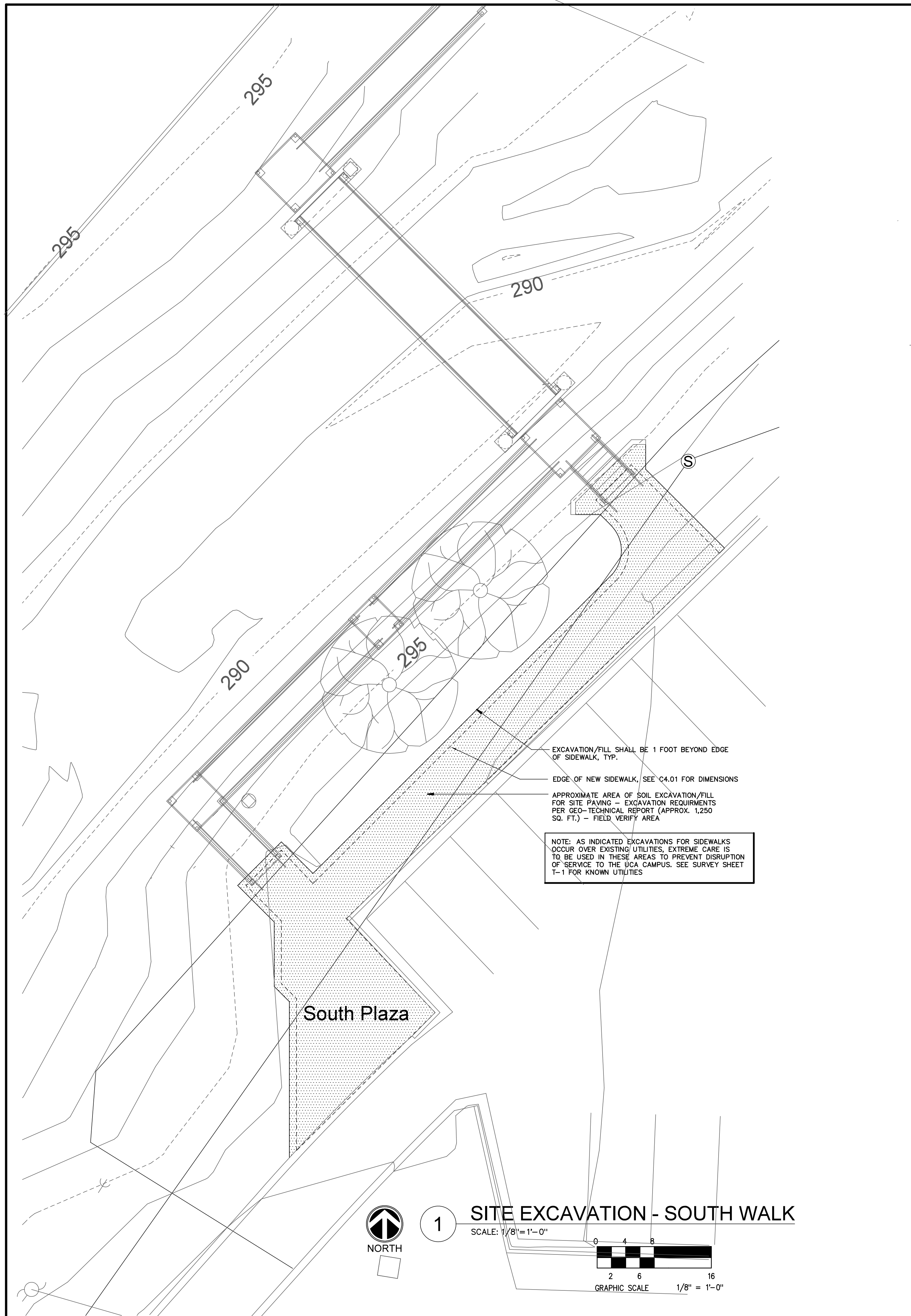
SITE GENERAL NOTES

- IF EXECUTION OF THE WORK REQUIRES THE DISTURBING OF ANY SUBSTANCES WHICH APPEARS TO CONTAIN HAZARDOUS MATERIALS, NOTIFY THE OWNER BEFORE CONTINUING WORK AT THE SUSPECT LOCATION. ANY MATERIALS TESTING POSITIVE WILL BE REMOVED BY THE OWNER BEFORE WORK WILL CONTINUE.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZATION WITH EXISTING SITE CONDITIONS.
- GENERAL CONTRACTOR IS TO VERIFY EXISTING CONDITIONS. REMOVE SIMILAR MATERIALS, OBJECTS, SYSTEMS AND COMPONENTS FROM THE BUILDING SITE UNLESS OTHERWISE NOTED.
- WHERE SCHEDULED FOR REMOVAL, SAW CUT CONCRETE, ASPHALT, ETC., PRIOR TO REMOVAL.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING CONCRETE PAVING AND ASPHALT PAVING SCHEDULED TO REMAIN AND SHALL BE RESPONSIBLE FOR THE REPAIR OF DAMAGED SIDEWALKS. GENERAL CONTRACTOR SHALL PROVIDE AN ASSESSMENT OF EXISTING DAMAGE SO AS NOT TO BE HELD ACCOUNTABLE FOR.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITIES NOT SCHEDULED FOR REMOVAL AND SHALL BE RESPONSIBLE FOR THE REPAIR OF DAMAGED UTILITIES OR INTERRUPTED AS A RESULT OF THIS CONSTRUCTION PROJECT.
- GENERAL CONTRACTOR SHALL PERFORM ALL WORK SO AS TO MAINTAIN OPERATION OF THE ADJACENT BUILDINGS AND OPERATION OF THE CAMPUS
- MATERIAL LAY SPACE WILL BE AVAILABLE ADJACENT TO THE CONSTRUCTION SITE. COORDINATE USE OF THE AREA WITH UCA.
- SEE CIVIL PLANS FOR ITEMS BELOW GRADE NOT SHOWN ON ARCHITECTURAL.
- HAND DIG EXCAVATIONS WITHIN 20 FEET FROM OF KNOWN OR MARKED UNDERGROUND UTILITIES.
- EXISTING EXCAVATED FILLS CAN BE STOCKPILED ADJACENT TO SITE FOR USE AS GENERAL FILL MATERIAL, COORDINATE LOCATION WITH UCA. ANY REMAINING REMAINING FILL IS TO BE REMOVED.
- SEE SHEET C1.01 FOR SITE EROSION CONTROL PLAN.
- SEE SHEET C2.01 FOR SITE DEMOLITION PLAN
- SEE SHEET C3.01 FOR SITE GRADING AND DRAINAGE PLAN.
- SEE SHEET C4.01 FOR DIMENSIONING PLAN.
- SEE SHEET L1.01 FOR LANDSCAPING & CHANNEL STABILIZATION PLAN
- SEE SHEET L2.01 FOR CHANNEL STABILIZATION MAT - MANUFACTURERS DETAILS
- SEE SHEET L2.02 FOR CHANNEL STABILIZATION MAT - MANUFACTURERS DETAILS
- POINT OF CONTACT: KEVIN CARTER, (501) 450-3196



1 SITE DEVELOPMENT PLAN
SCALE: 1"=20'-0"





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STONE DAM CREEK PEDESTRIAN BRIDGE
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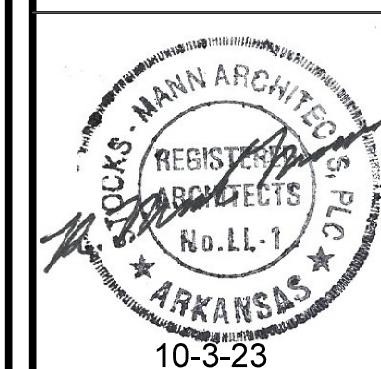
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EXCAVATION PLAN

SHEET NUMBER

A1.2



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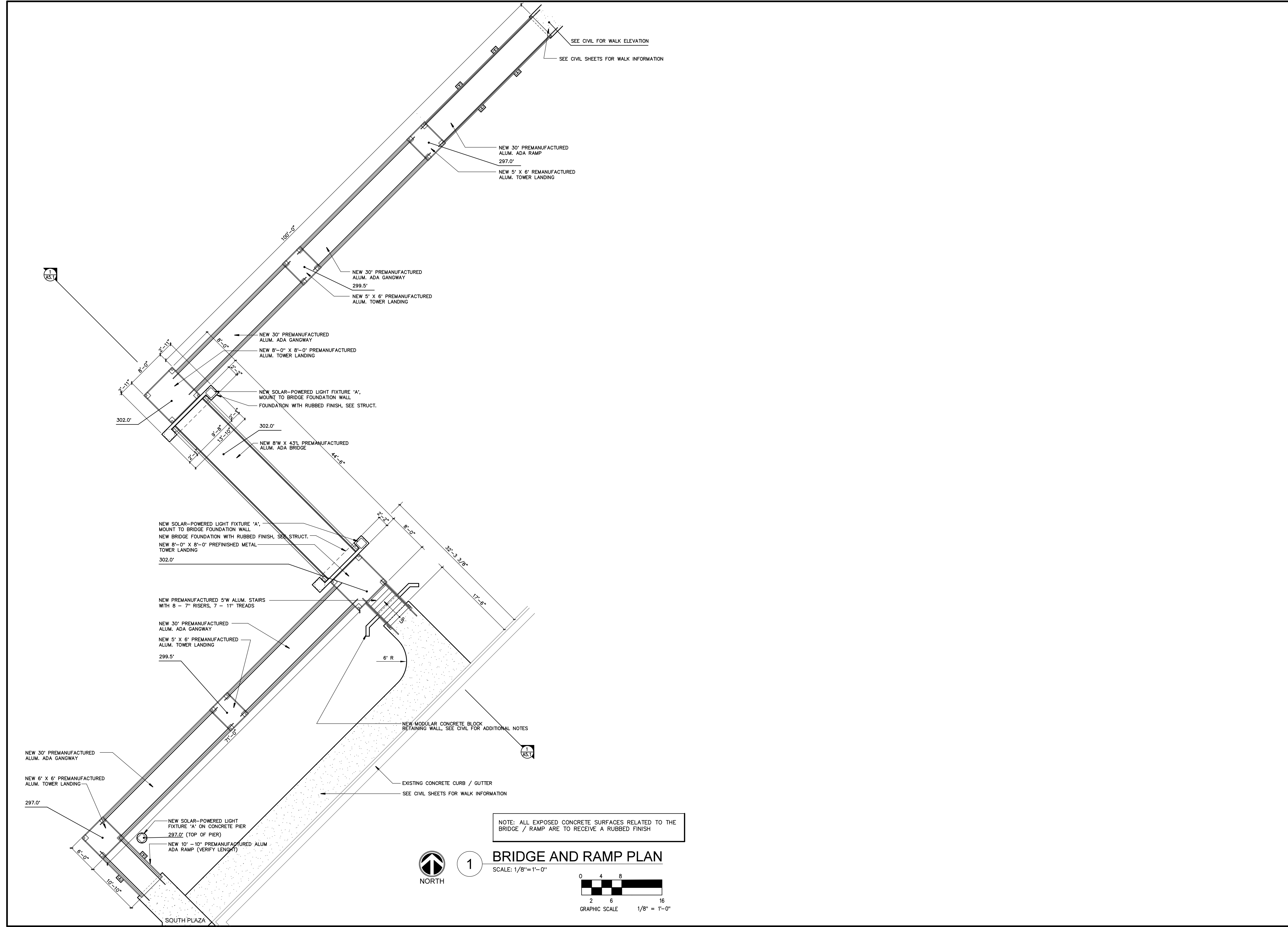
REVISIONS

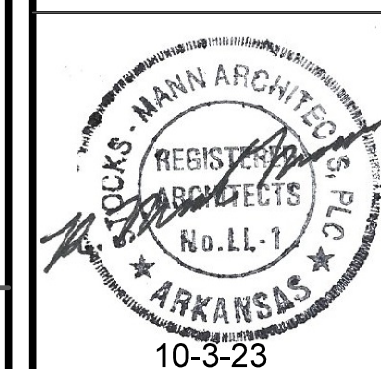
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BRIDGE/RAMP PLAN

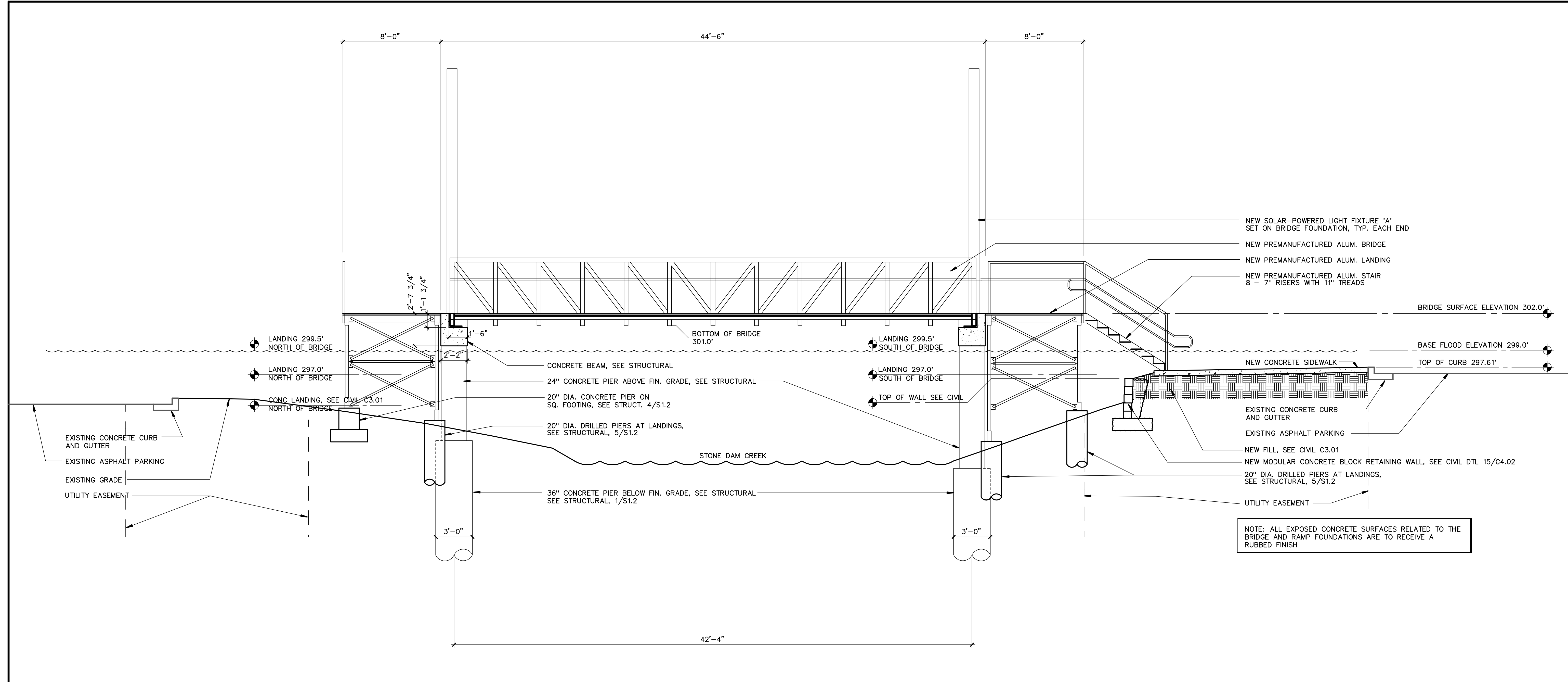
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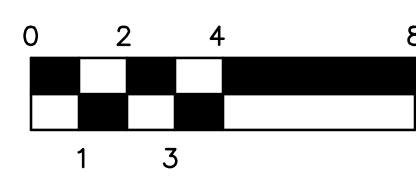




UNIVERSITY OF CENTRAL ARKANSAS
STONE DAM CREEK PEDESTRIAN BRIDGE
CONWAY, ARKANSAS



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



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BRIDGE SECTION

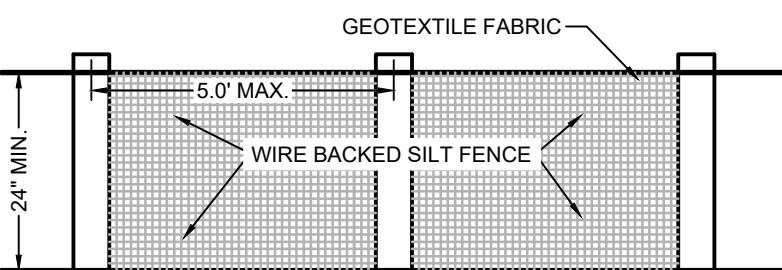
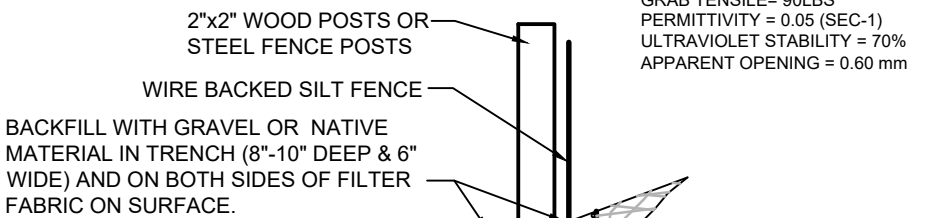
SHEET NUMBER

A5.1

LEGEND

- FIRE HYDRANT
- WATER VALVE
- WATER METER
- POWER POLE
- GUY WIRE
- LIGHT POLE
- TELEPHONE PEDESTAL
- SANITARY SEWER MANHOLE
- SIGN
- WATER LINE
- GAS LINE
- OVERHEAD ELECTRIC
- UNDERGROUND FIBER OPTIC
- UNDERGROUND TELEPHONE

FENCE: WOVEN OR WELDED WIRE 14 GA. 6"x6" MAX MESH OPENING
 FABRIC: GEOTEXTILE FIBER
 PERMITTING: 0.05 (SEC-1)
 STABILITY: 70%
 APPARENT OPENING = 0.60 mm



INSTALLATION NOTES:

1. MATERIALS AND INSTALLATION SHALL COMPLY WITH ASTM D 8462 LATEST EDITION.
2. INSTALL SILT FENCE AT A FAIRLY LEVEL GRADE ALONG THE CONTOUR WITH THE ENDS CURVED UPHILL TO PROVIDE SUFFICIENT UPSTREAM STORAGE VOLUME FOR THE ANTICIPATED RUNOFF.
3. ATTACH THE GEOTEXTILE OR FABRIC TO THE WOVEN OR WELDED WIRE FENCE WITH THREE WIRE TIES OR OTHER FASTENERS (HORIZONTALLY SPACED EVERY 30'), ALL SPACED WITHIN THE TOP 8" OF THE FABRIC. ATTACH EACH DIAGONALLY AS DEGREES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1" VERTICALLY APART. AT EACH POST, ATTACH THE GEOTEXTILE OR FABRIC AND THE WOVEN OR WELDED WIRE FENCE TO THE POST AS PREVIOUSLY STATED. IN ADDITION, EACH TIE PLACED ON A POST SHOULD BE POSITIONED TO HANG ON A POST NIPPLE WHEN TIGHTENED TO PREVENT SAGGING.
4. WHEN TWO SECTIONS OF SILT FENCE FABRIC ADJACENT TO EACH OTHER, THEY SHALL BE OVERLAPPED A MINIMUM OF 60" ACROSS TWO POSTS, AS SHOWN.
5. ALL SILT FENCE SHALL INCLUDE WIRE SUPPORT.
6. WRAP APPROXIMATELY 12" OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES.
7. COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC WITH THE FRONT WHEEL OF THE TRACTOR, SMOG STEER, OR ROLLER EXERTING AT LEAST 60 POUNDS PER SQ. INCH. COMPACT THE UPSTREAM SIDE FIRST. COMPACT EACH SIDE TWICE FOR A TOTAL OF FOUR TRIPS.

MAINTENANCE NOTES:

8. SILT FENCES SHALL BE INSPECTED ALONG ITS ENTIRETY AND MUST BE CLEANED WHEN SEDIMENT HAS ACCUMULATED TO ONE-THIRD THE HEIGHT OF THE SILT FENCE.
9. MAINTENANCE CLEANOUT MUST BE CONDUCTED REGULARLY TO PREVENT ACCUMULATED SEDIMENTS FROM REACHING ONE-THIRD THE HEIGHT OF THE SILT FENCE.
10. SPECIAL ATTENTION SHOULD BE PAID TO ENSURE THAT NO UNDERMINING OF SILT FENCE HAS OCCURRED AND THAT NO BYPASS IS OCCURRING AT JOINING SECTIONS.
11. IF EXCESS SEDIMENT IS ACCUMULATING IN ANY SECTION OF SILT FENCE, THE CONTRACTOR SHOULD IMPLEMENT ADDITIONAL UPSTREAM STABILIZATION MEASURES OR ADDITIONAL BMPs (PENDING CITY APPROVAL) TO PREVENT EXCESSIVE BUILDUP ON SILT FENCE.
12. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED.

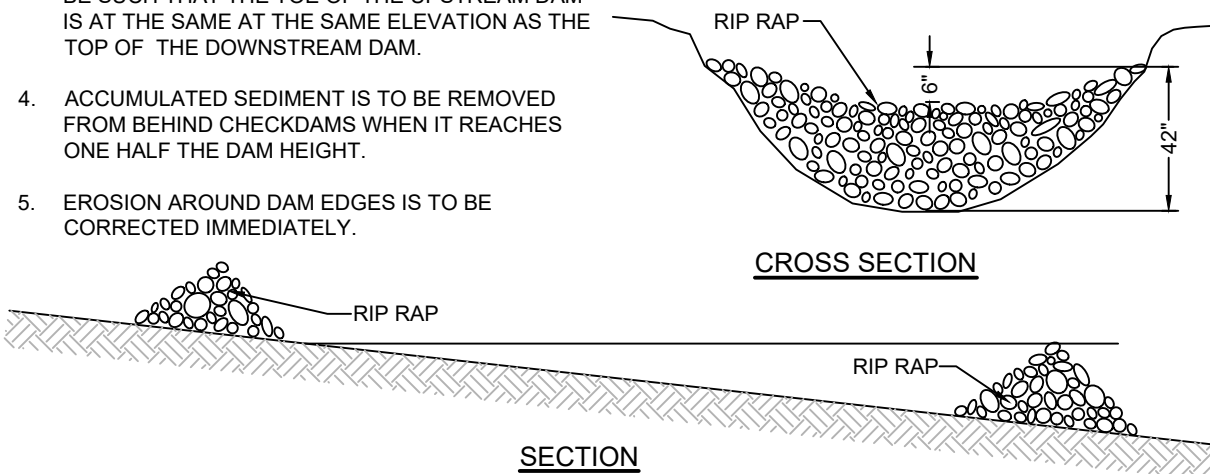
1 WIRE BACKED SILT FENCE
 N.T.S.

SITE EROSION CONTROL MEASURES:

1. INSTALL RIP RAP CHECK DAM PRIOR TO ANY SITE GRADING ACTIVITY.
2. INSTALL SILT FENCE ALONG EXISTING STREAM & MAINTAIN DURING GRADING OF SLOPES.
3. RELOCATE SILT FENCE TO TOE OF NEW SLOPES FOLLOWING GRADING OF SLOPES.
4. INSTALL CHANNEL STABILIZATION MATS, & SEEDING IMMEDIATELY FOLLOWING GRADING OF SLOPES.
5. INSTALL SOD AREAS IMMEDIATELY FOLLOWING SEEDING.
6. MAINTAIN SILT FENCING UNTIL SEEDING IS ACTIVELY GROWING.

NOTES:

1. THE MAXIMUM HEIGHT OF THE CHECK DAM IS 3 FEET AT THE CENTER.
2. CHECK DAM CENTER MUST BE 6 INCHES LOWER THAN OUTER EDGES.
3. THE MAXIMUM SPACING BETWEEN DAMS SHOULD BE SUCH THAT THE TOE OF THE UPSTREAM DAM IS AT THE SAME AT THE SAME ELEVATION AS THE TOP OF THE DOWNSTREAM DAM.
4. ACCUMULATED SEDIMENT IS TO BE REMOVED FROM BEHIND CHECKDAMS WHEN IT REACHES ONE HALF THE DAM HEIGHT.
5. EROSION AROUND DAM EDGES IS TO BE CORRECTED IMMEDIATELY.



3 RIP RAP CHECK DAM DETAILS
 N.T.S.

PERMIT COMPLIANCE REQUIREMENTS:

- CONTRACTOR TO REVIEW AND COMPLY WITH REQUIREMENTS OF ALL PROJECT PERMITS RELATIVE TO WORK WITHIN THE STREAM CHANNEL AREA, AS FOLLOWS:
1. ADEQ SHORT TERM ACTIVITY AUTHORIZATION (STAA).
 2. USACE 404 PERMIT.
 3. ARKANSAS FLOODPLAIN DEVELOPMENT PERMIT (CITY OF CONWAY).
 4. ADEQ STORM WATER POLLUTION PREVENTION PLAN (SWPPP).

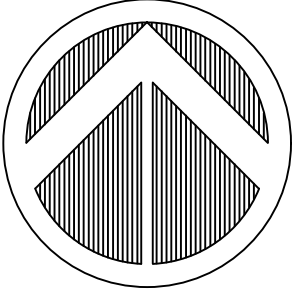
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 6. CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE OWNER OF ANY DAMAGED OR INTERRUPTED UTILITIES IMMEDIATELY.
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 8. ALL SEWER LINES AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH THE LITTLE ROCK WATER RECLAMATION AUTHORITY STANDARD PIPELINE MATERIALS AND CONSTRUCTION SPECIFICATIONS, LATEST EDITION.
 9. ALL WATER LINES AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH CENTRAL ARKANSAS WATER STANDARD PIPELINE MATERIALS AND CONSTRUCTION SPECIFICATIONS, LATEST EDITION.
 10. EXISTING UTILITIES TO REMAIN ARE TO BE PROTECTED AND ADJUSTED TO MATCH PROPOSED GRADE AS NEEDED.
 11. ALL AREAS WITHIN THE PARKING LOT ARE TO RECEIVE A GRAVEL BASE TO PROVIDE EROSION CONTROL IF WORK IS NOT PROGRESSING IN AN ORDERLY MANNER. A RATE OF 155 TONS/ACRE IS TO BE APPLIED WITHIN TWO WEEKS OF FINAL GRADING.
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 13. WHEN NEW INLETS ARE CONSTRUCTED, INLET PROTECTION MEASURES ARE TO BE INSTALLED.
 14. CONTRACTOR WILL CONTROL AND PREVENT OFF-SITE TRACKING OF CONSTRUCTION RUNOFF AND SEDIMENT TO ADJACENT PROPERTY AND PUBLIC ROADS.
 15. CONTRACTOR IS TO INSTALL INLET PROTECTION & GENERAL EROSION CONTROL MEASURES TO PROTECT EXISTING STORM DRAINAGE SYSTEMS.
 16. CONTRACTOR TO CONFORM TO ALL CONSTRUCTION STORM WATER AND EROSION CONTROL PERMITTING REQUIREMENTS BY "EPA PHASE II STORM WATER REGULATIONS" AS ADMINISTERED BY THE ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ). WHERE PERMITTING IS REQUIRED, A COPY OF THE NOTICE OF INTENT SHALL BE PROVIDED TO THE LOCAL MUNICIPAL AUTHORITY.
 17. CONTRACTOR TO CONSTRUCT ALL ACCESS RAMPS AND PAVING TO CITY OF LITTLE ROCK AND/OR ADA STANDARDS. VERIFY.
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 19. ELECTRICAL & LIGHTING INFORMATION SHOWN FOR COORDINATION PURPOSES ONLY. SEE MEP SHEETS FOR DETAILS AND SPECIFICATIONS.
 20. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONSTRUCTION CONFLICTS THAT BECOME APPARENT & REVIEW INSTRUCTIONS AND/OR PLAN REVISIONS PRIOR TO MAKING ANY CHANGES.

EROSION CONTROL NOTES

1. CONTRACTOR TO CONFORM TO ALL CONSTRUCTION STORM WATER AND EROSION CONTROL PERMITTING REQUIREMENTS BY "EPA PHASE II STORM WATER REGULATIONS" AS ADMINISTERED BY THE ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ).
2. WHERE PERMITTING IS REQUIRED, A COPY OF THE NOTICE OF INTENT SHALL BE PROVIDED TO THE LOCAL MUNICIPAL AUTHORITY.
3. ALL VEHICLES MUST USE CONSTRUCTION ACCESS.
4. IF WHEEL WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
5. CLEAN SOIL FROM STREETS & OTHER PAVED SURFACES DAILY WITH BROOM (NO POWER BROOM) & SHOVEL. THE USE OF WATER IS PROHIBITED.
6. ALL EXISTING & NEWLY CONSTRUCTED STORM DRAIN INLETS INCLUDING CURB INLETS, HEADWALLS, GRATE INLETS, CURB CUTS, FLUMES AND DOWNSPOUT COLLECTORS SHALL HAVE INLET PROTECTION INSTALLED IMMEDIATELY AFTER INSTALLATION TO KEEP DRAINAGE SYSTEM FREE OF SILT AND SEDIMENTATION.
7. CONTRACTOR IS RESPONSIBLE FOR CLEANING AND MAINTAINING ALL EROSION CONTROL AND SEDIMENTATION CONTROLS IN ACCORDANCE WITH THE EROSION AND SEDIMENTATION CONTROLS SPECIFICATION.

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 E:1175643.72
 Z:300.67

CONTROL POINT



Stocks Mann
 Architects, PLLC
 401 W. CAPITOL, SUITE 402
 LITTLE ROCK, AR 72201
 501-370-9227 501-370-9208 (FAX)

CONSULTANTS:
STRUCTURAL ENGINEER
 Robbins Engineering
CIVIL ENGINEER
 Development Consultants, Inc.



UNIVERSITY OF CENTRAL ARKANSAS
STONE DAM CREEK PEDESTRIAN BRIDGE
CONWAY, ARKANSAS

REVISIONS

NO.	DESCRIPTION

ISSUE DATE
 OCTOBER 3, 2023

PROJECT NO.
 SMA #1505R
 ARDOT #080670
 TAPP-9095(45)

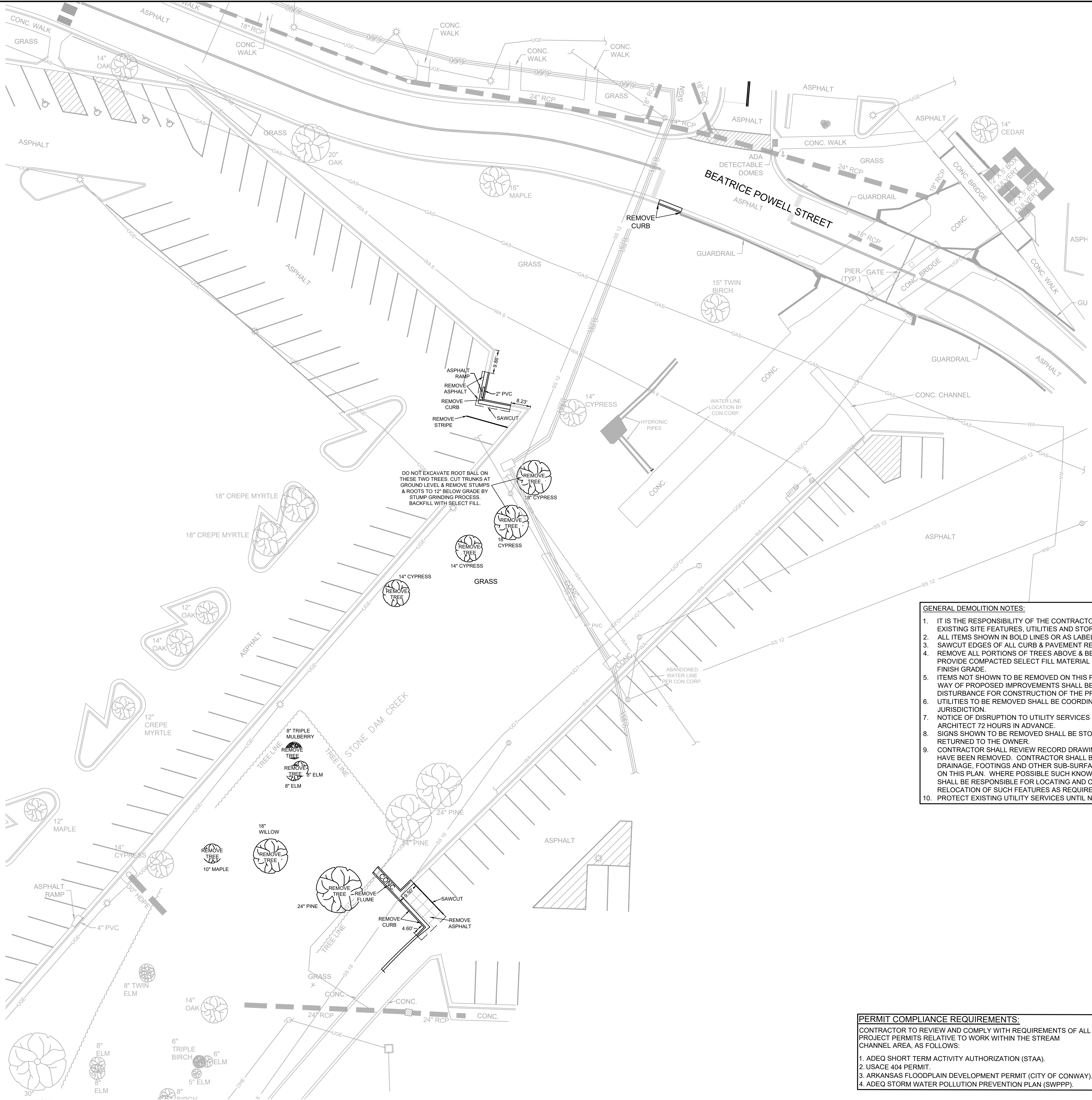
EROSION CONTROL
 PLAN

SHEET NUMBER

C1.01

LEGEND

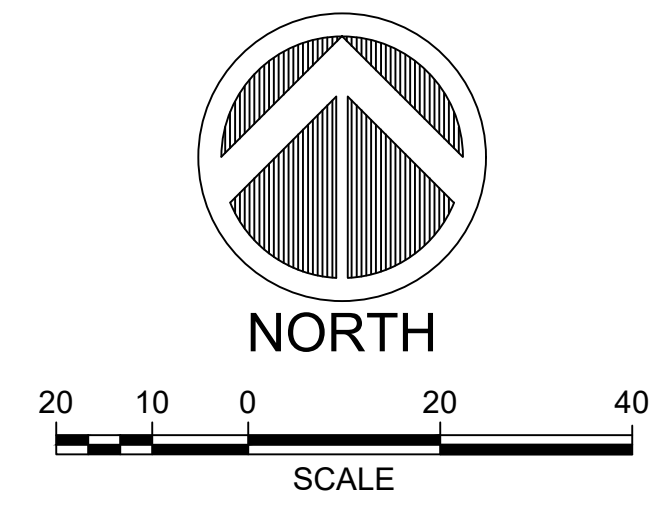
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 11. ALL AREAS WITHIN THE PARKING LOT ARE TO RECEIVE A GRAVEL BASE TO PROVIDE EROSION CONTROL. IF WORK IS NOT PROGRESSING IN AN ORDERLY MANNER, A RATE OF 135 TONS/ACRE IS TO BE APPLIED WITHIN TWO WEEKS OF FINAL GRADING.
 12. ALL AREAS NOT WITHIN THE PARKING LOT ARE TO RECEIVE LOOSE STRAW TO PROVIDE EROSION CONTROL. IF WORK IS NOT PROGRESSING IN AN ORDERLY MANNER, A RATE OF 1.5 TONS/ACRE IS TO BE APPLIED WITHIN TWO WEEKS OF FINAL GRADING.
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 17. CONTRACTOR TO CONSTRUCT ALL ACCESS RAMPS AND PAVING TO CITY OF LITTLE ROCK AND/OR ADA STANDARDS. VERIFY.
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 20. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONSTRUCTION CONFLICTS THAT BECOME APPARENT & REVIEW INSTRUCTIONS AND/OR PLAN REVISIONS PRIOR TO MAKING ANY CHANGES.

- GENERAL DEMOLITION NOTES:**
1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE THOROUGH KNOWLEDGE OF THE EXISTING SITE FEATURES, UTILITIES AND STORM DRAINAGE.
 2. ALL ITEMS SHOWN IN BOLD LINES OR AS LABELED ARE TO BE REMOVED.
 3. SAWCUT EDGES OF ALL CURB & PAVEMENT REMOVAL AREAS.
 4. REMOVE ALL PORTIONS OF TREES ABOVE & BELOW GROUND INCLUDING STUMPS & ROOTS & PROVIDE COMPACTED SELECT FILL MATERIAL TO BRING EXCAVATED AREAS TO PROPOSED FINISH GRADE.
 5. ITEMS NOT SHOWN TO BE REMOVED ON THIS PLAN BUT INSIDE THE PROJECT LIMITS AND IN THE WAY OF PROPOSED IMPROVEMENTS SHALL BE REMOVED. LIMITS CONSISTS OF ALL AREAS OF DISTURBANCE FOR CONSTRUCTION OF THE PROJECT.
 6. UTILITIES TO BE REMOVED SHALL BE COORDINATED WITH THE UTILITY AUTHORITY HAVING JURISDICTION.
 7. NOTICE OF DISRUPTION TO UTILITY SERVICES SHALL BE COORDINATED WITH OWNER / ARCHITECT 72 HOURS IN ADVANCE.
 8. SIGNS SHOWN TO BE REMOVED SHALL BE STORED AND REUSED PER THESE PLANS OR RETURNED TO THE OWNER.
 9. CONTRACTOR SHALL REVIEW RECORD DRAWINGS FOR EXISTING BUILDING AND BUILDINGS THAT HAVE BEEN REMOVED. CONTRACTOR SHALL BE AWARE THAT POTENTIAL ABANDONED UTILITIES, DRAINAGE, FOOTINGS AND OTHER SUB-SURFACE FEATURES MAY EXIST BUT MAY NOT BE SHOWN ON THIS PLAN. WHERE POSSIBLE SUCH KNOWN FEATURES HAVE BEEN SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND COORDINATING THE DEMOLITION, REMOVAL, AND RELOCATION OF SUCH FEATURES AS REQUIRED.
 10. PROTECT EXISTING UTILITY SERVICES UNTIL NEW SERVICES ARE IN PLACE AND APPROVED.

- PERMIT COMPLIANCE REQUIREMENTS:**
 CONTRACTOR TO REVIEW AND COMPLY WITH REQUIREMENTS OF ALL PROJECT PERMITS RELATIVE TO WORK WITHIN THE STREAM CHANNEL AREA, AS FOLLOWS:
1. ADEQ SHORT TERM ACTIVITY AUTHORIZATION (STAA).
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 4. ADEQ STORM WATER POLLUTION PREVENTION PLAN (SWPPP).



Stocks Mann Architects, PLLC
 401 W. CAPITOL, SUITE 402
 LITTLE ROCK, AR 72201
 501-370-9207 501-370-9208 (FAX)

CONSULTANTS:
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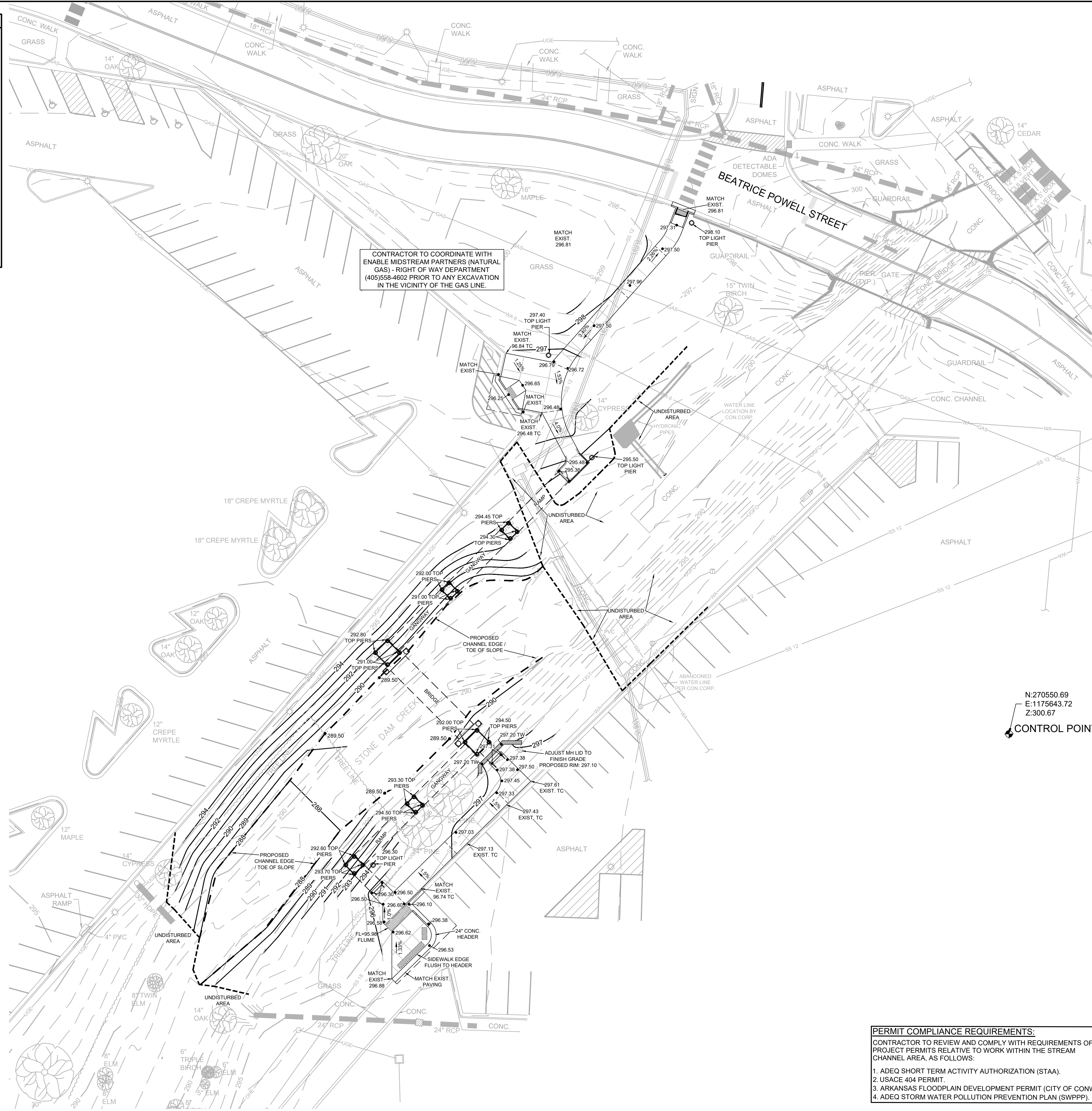


UNIVERSITY OF CENTRAL ARKANSAS
STONE DAM CREEK PEDESTRIAN BRIDGE
CONWAY, ARKANSAS

REVISIONS
ISSUE DATE OCTOBER 3, 2023
PROJECT NO. SMA #1505R ARDOT #080670 TAPPF-9095(45)
DEMOLITION PLAN
SHEET NUMBER C2.01

LEGEND

- ⊕ FIRE HYDRANT
- ⊕ WATER VALVE
- ⊕ WATER METER
- ⊕ POWER POLE
- ⊕ GUY WIRE
- ⊕ LIGHT POLE
- ⊕ TELEPHONE PEDESTAL
- ⊕ SANITARY SEWER MANHOLE
- ⊕ SIGN
- WA — WATER LINE
- GAS — GAS LINE
- OHE — OVERHEAD ELECTRIC
- UGFO — UNDERGROUND FIBER OPTIC
- UGT — UNDERGROUND TELEPHONE



CONTRACTOR TO COORDINATE WITH
ENABLE MIDSTREAM PARTNERS (NATURAL
GAS) - RIGHT OF WAY DEPARTMENT
(405)558-4602 PRIOR TO ANY EXCAVATION
IN THE VICINITY OF THE GAS LINE.

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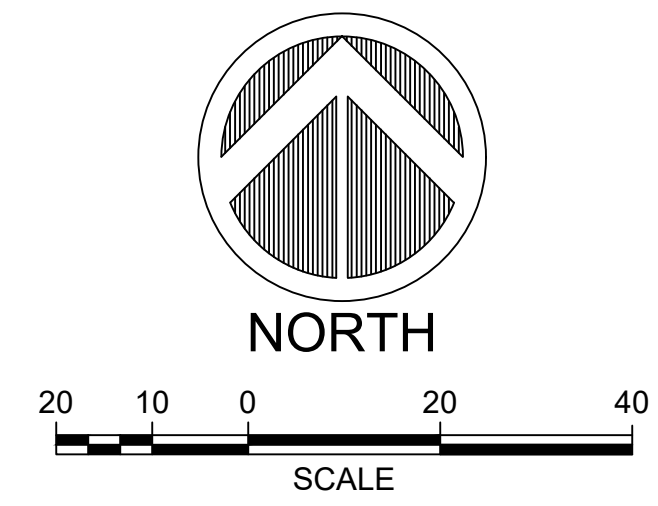
- ACCESSIBILITY SLOPE REQUIREMENTS:**
1. ALL SIDEWALKS SHALL BE CONSTRUCTED HAVING NO GREATER THAN A 2.0% CROSS SLOPE
 2. ALL ACCESSIBLE ROUTE SIDEWALKS SHALL BE CONSTRUCTED HAVING NO GREATER THAN A 5.0% LONGITUDINAL SLOPE.
 3. ALL ACCESSIBLE RAMPS SHALL BE CONSTRUCTED HAVING NO GREATER THAN A 2.0% CROSS SLOPE AND 1:12 LONGITUDINAL SLOPE
 4. ALL ACCESSIBLE RAMP LANDINGS SHALL HAVE SLOPES NO GREATER THAN 2.0% IN ANY DIRECTION.
 5. ALL ACCESSIBLE PARKING SPACES & LOADING ZONES SHALL HAVE SLOPES NO GREATER THAN 2.0% IN ANY DIRECTION.
 6. ALL ACCESSIBLE ROUTE SIDEWALKS, RAMPS, LANDINGS, AND PARKING SPACES THAT ARE NOT COMPLIANT WITH ADA GUIDELINES MUST BE REPLACED AT THE CONTRACTORS EXPENSE.

MODULAR CONCRETE WALL NOTE:

1. CONTRACTOR TO PROVIDE DESIGN FOR THE MODULAR CONCRETE WALL.

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CONTROL POINT

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CONSULTANTS:
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UNIVERSITY OF CENTRAL ARKANSAS
STONE DAM CREEK PEDESTRIAN BRIDGE
CONWAY, ARKANSAS

REVISIONS
ISSUE DATE OCTOBER 3, 2023
PROJECT NO. SMA #1505R ARDOT #080670 TAPP-9095(45)
GRADING & DRAINAGE PLAN
SHEET NUMBER <h1 style="margin: 0;">C3.01</h1>

LEGEND

- FIRE HYDRANT
- ⊕ WATER VALVE
- ⊕ WATER METER
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 12. ALL AREAS NOT WITHIN THE PARKING LOT ARE TO RECEIVE LOOSE STRAW TO PROVIDE EROSION CONTROL. IF WORK IS NOT PROGRESSING IN AN ORDERLY MANNER, A RATE OF 1.5 TONS/ACRE IS TO BE APPLIED WITHIN TWO WEEKS OF FINAL GRADING.
 13. WHEN NEW INLETS ARE CONSTRUCTED, INLET PROTECTION MEASURES ARE TO BE INSTALLED.
 14. CONTRACTOR WILL CONTROL AND PREVENT OFF-SITE TRACKING OF CONSTRUCTION RUNOFF AND SEDIMENT TO ADJACENT PROPERTY AND PUBLIC ROADS.
 15. CONTRACTOR IS TO INSTALL INLET PROTECTION & GENERAL EROSION CONTROL MEASURES TO PROTECT EXISTING STORM DRAINAGE SYSTEMS.
 16. CONTRACTOR TO CONFORM TO ALL CONSTRUCTION STORM WATER AND EROSION CONTROL PERMITTING REQUIREMENTS BY "EPA PHASE II STORM WATER REGULATIONS" AS ADMINISTERED BY THE ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) WHERE PERMITTING IS REQUIRED. A COPY OF THE NOTICE OF INTENT SHALL BE PROVIDED TO THE LOCAL MUNICIPAL AUTHORITY.
 17. CONTRACTOR TO CONSTRUCT ALL ACCESS RAMPS AND PAVING TO CITY OF LITTLE ROCK AND/OR ADA STANDARDS. VERIFY.
 18. TREES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
 19. ELECTRICAL & LIGHTING INFORMATION SHOWN FOR COORDINATION PURPOSES ONLY. SEE MEP SHEETS FOR DETAILS AND SPECIFICATIONS.
 20. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONSTRUCTION CONFLICTS THAT BECOME APPARENT & REVIEW INSTRUCTIONS AND/OR PLAN REVISIONS PRIOR TO MAKING ANY CHANGES.

- LAYOUT NOTES:**
1. THE CONTRACTOR SHALL LAYOUT AND VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR DIRECTION AND RESOLUTION OF DISCREPANCIES PRIOR TO PROCEEDING.
 2. VERIFY LOCATIONS OF ALL SITE IMPROVEMENTS INSTALLED UNDER OTHER SECTIONS. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS, CONTACT THE ENGINEER FOR INSTRUCTION PRIOR TO COMMENCING WORK.
 3. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE.
 4. WHERE DIMENSIONS ARE CALLED AS "EQUAL", ALL REFERENCED ITEMS SHALL BE SPACED EQUALLY, MEASURED TO THEIR CENTER LINES.
 5. ALL DIMENSIONS ARE PERPENDICULAR TO FACE OF BUILDING, WALL OR OTHER FIXED SITE IMPROVEMENT AND DIMENSIONS AT CURB ARE FROM BACK OF CURB UNLESS OTHERWISE NOTED.
 6. INSTALL ALL INTERSECTING ELEMENTS AT 90 DEGREES TO EACH OTHER UNLESS OTHERWISE NOTED.
 7. COORDINATE PAINTING OF FIRE LANES WITH OWNER AND LOCAL FIRE DEPARTMENT.

EXPANSION JOINTS:

PROVIDE EXPANSION JOINTS IN ALL CASES WHERE CONCRETE FLATWORK MEETS OTHER STRUCTURES SUCH AS WALLS, CURBS, STEPS & BUILDINGS OR WHERE CONCRETE ABUTS EXISTING CONCRETE PAVING, UTILITY VAULTS, JUNCTION BOXES, ETC. EXPANSION JOINTS REQUIRED AT THESE STRUCTURES MAY NOT BE SHOWN ON THESE DRAWINGS BUT ARE A CONSTRUCTION REQUIREMENT. SEE DETAILS FOR LOCATIONS THAT REQUIRE INSTALLATION OF DOWELS.

Stocks Mann
Architects, PLLC
401 W. CAPITOL, SUITE 402
LITTLE ROCK, AR 72201
501-370-9207 501-370-9208 (FAX)

CONSULTANTS:
STRUCTURAL ENGINEER
Robbins Engineering
CIVIL ENGINEER
Development Consultants, Inc.



**UNIVERSITY OF CENTRAL ARKANSAS
STONE DAM CREEK PEDESTRIAN BRIDGE
CONWAY, ARKANSAS**

REVISIONS

NO.	DESCRIPTION

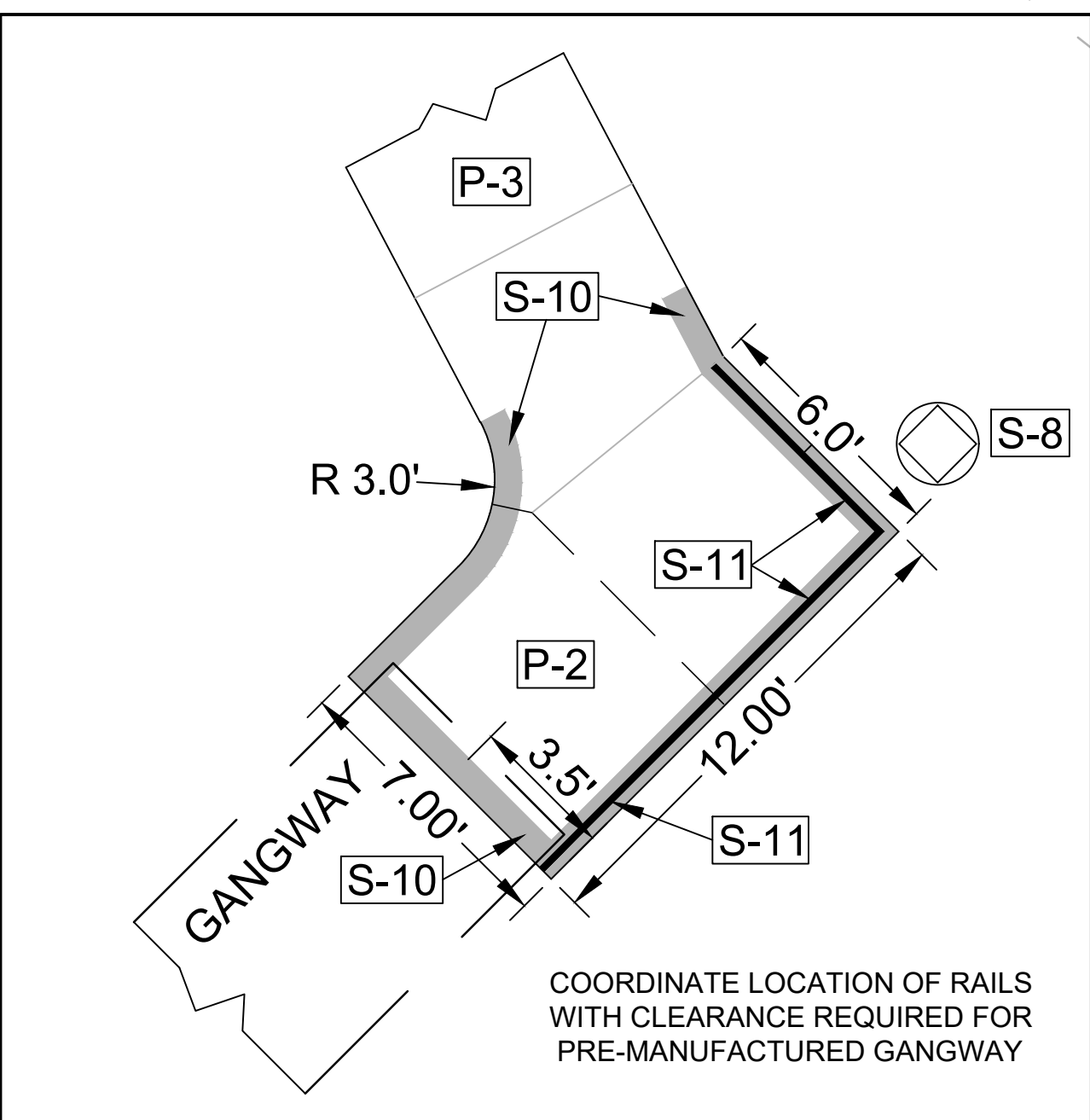
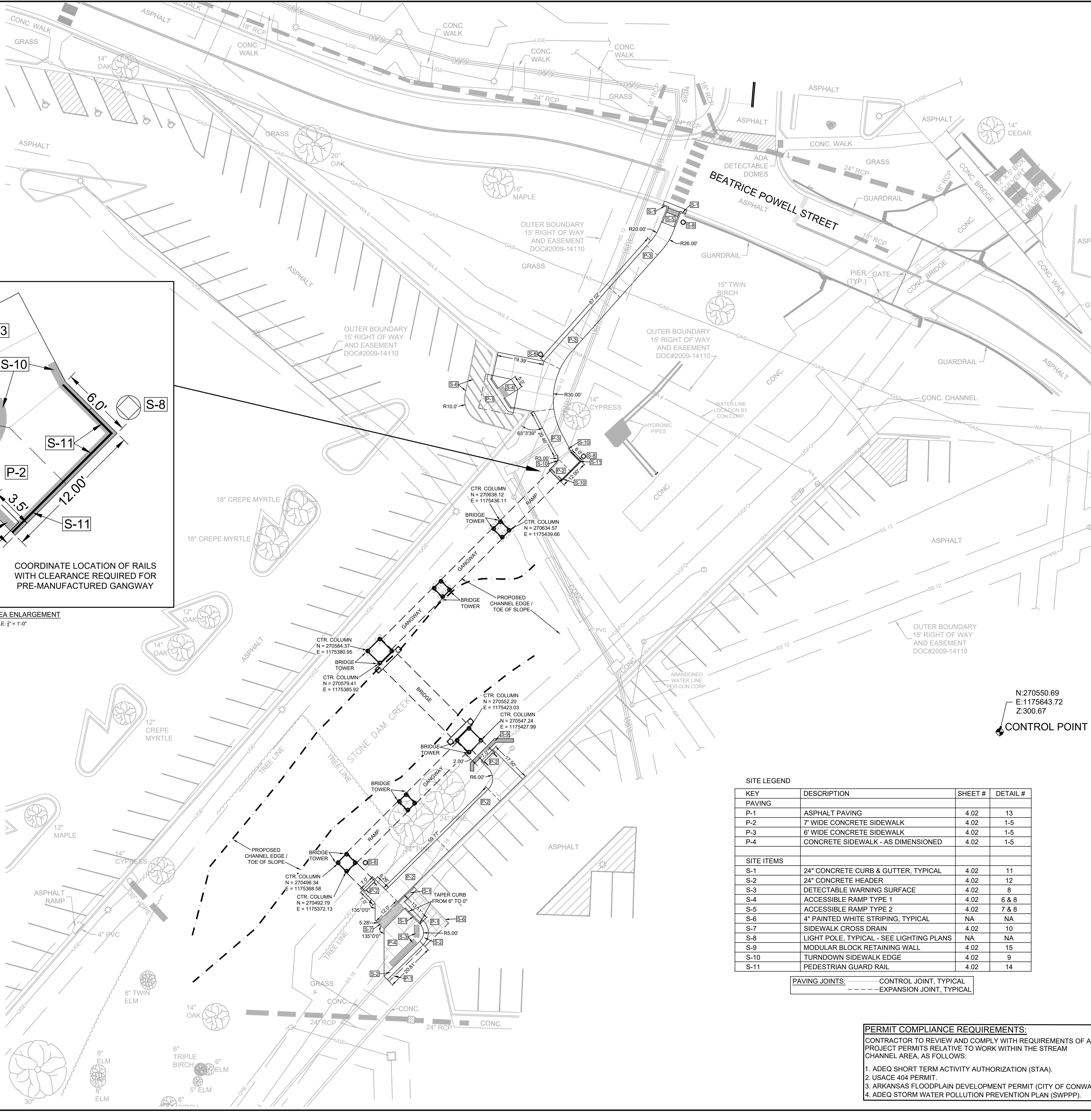
ISSUE DATE
OCTOBER 3, 2023

PROJECT NO.
SMA #1505R
ARDOT #080670
TAPP-9095(45)

DIMENSIONING PLAN

SHEET NUMBER

C4.01



SITE LEGEND

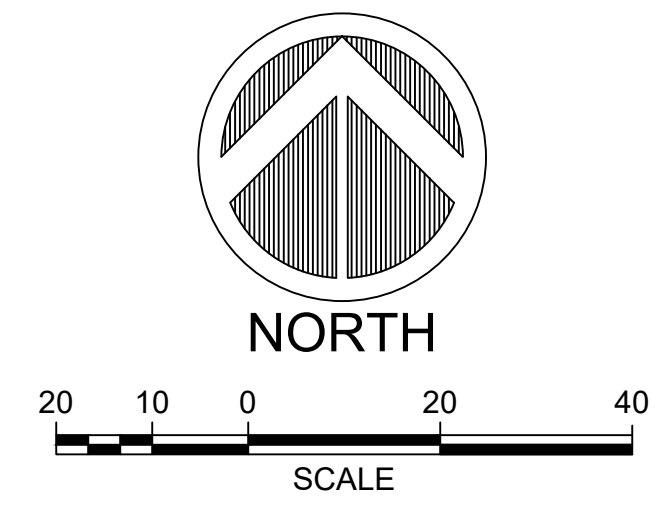
KEY	DESCRIPTION	SHEET #	DETAIL #
PAVING			
P-1	ASPHALT PAVING	4.02	13
P-2	7' WIDE CONCRETE SIDEWALK	4.02	1-5
P-3	6' WIDE CONCRETE SIDEWALK	4.02	1-5
P-4	CONCRETE SIDEWALK - AS DIMENSIONED	4.02	1-5
SITE ITEMS			
S-1	24" CONCRETE CURB & GUTTER, TYPICAL	4.02	11
S-2	24" CONCRETE HEADER	4.02	12
S-3	DETECTABLE WARNING SURFACE	4.02	8
S-4	ACCESSIBLE RAMP TYPE 1	4.02	6 & 8
S-5	ACCESSIBLE RAMP TYPE 2	4.02	7 & 8
S-6	4" PAINTED WHITE STRIPING, TYPICAL	NA	NA
S-7	SIDEWALK CROSS DRAIN	4.02	10
S-8	LIGHT POLE, TYPICAL - SEE LIGHTING PLANS	NA	NA
S-9	MODULAR BLOCK RETAINING WALL	4.02	15
S-10	TURNDOWN SIDEWALK EDGE	4.02	9
S-11	PEDESTRIAN GUARD RAIL	4.02	14

PAVING JOINTS:
 ——— CONTROL JOINT, TYPICAL
 - - - - - EXPANSION JOINT, TYPICAL

PERMIT COMPLIANCE REQUIREMENTS:

CONTRACTOR TO REVIEW AND COMPLY WITH REQUIREMENTS OF ALL PROJECT PERMITS RELATIVE TO WORK WITHIN THE STREAM CHANNEL AREA, AS FOLLOWS:

1. ADEQ SHORT TERM ACTIVITY AUTHORIZATION (STAA).
2. USACE 404 PERMIT.
3. ARKANSAS FLOODPLAIN DEVELOPMENT PERMIT (CITY OF CONWAY).
4. ADEQ STORM WATER POLLUTION PREVENTION PLAN (SWPPP).



G:\2021\12-1-106\DESIGN\21-106 SITE.DWG

REVISIONS

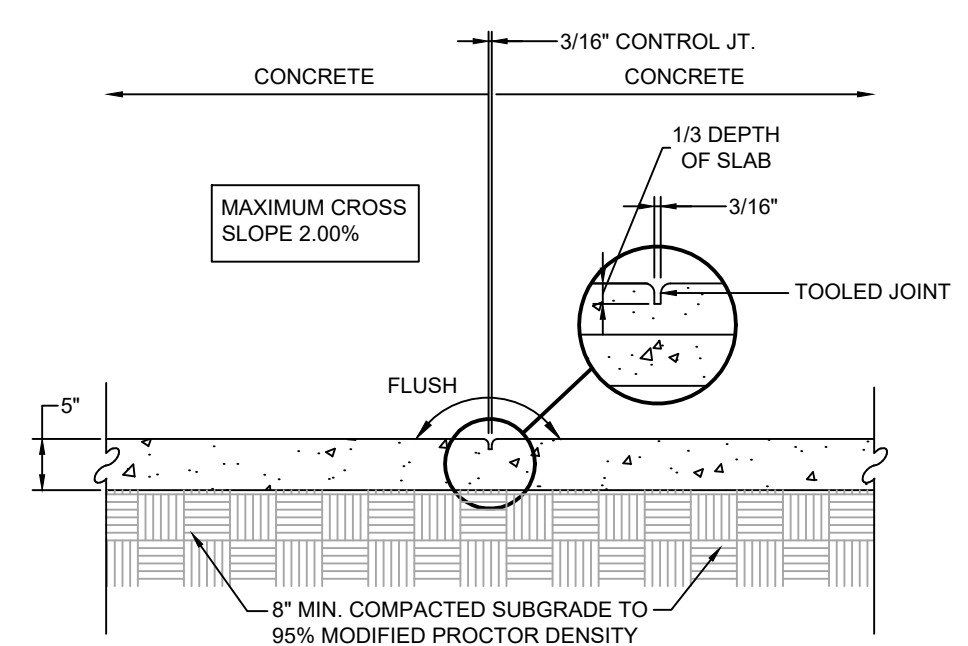
ISSUE DATE
OCTOBER 3, 2023

PROJECT NO.
SMA #1505R
ARDOT #080670
TAPP-9095(45)

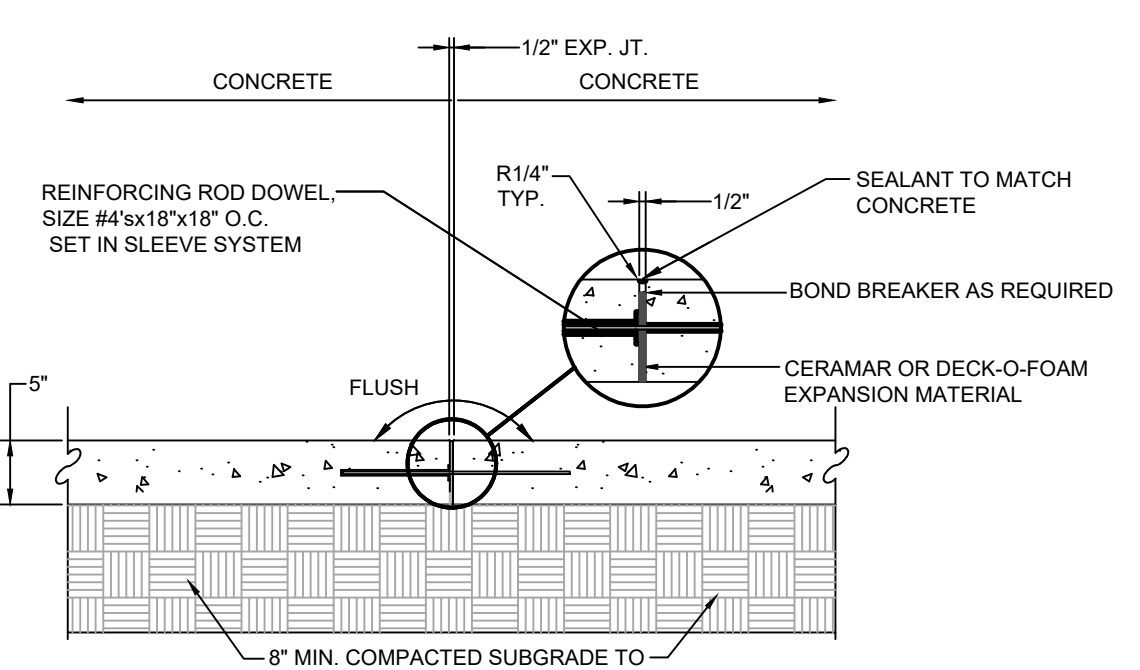
SITE DETAILS

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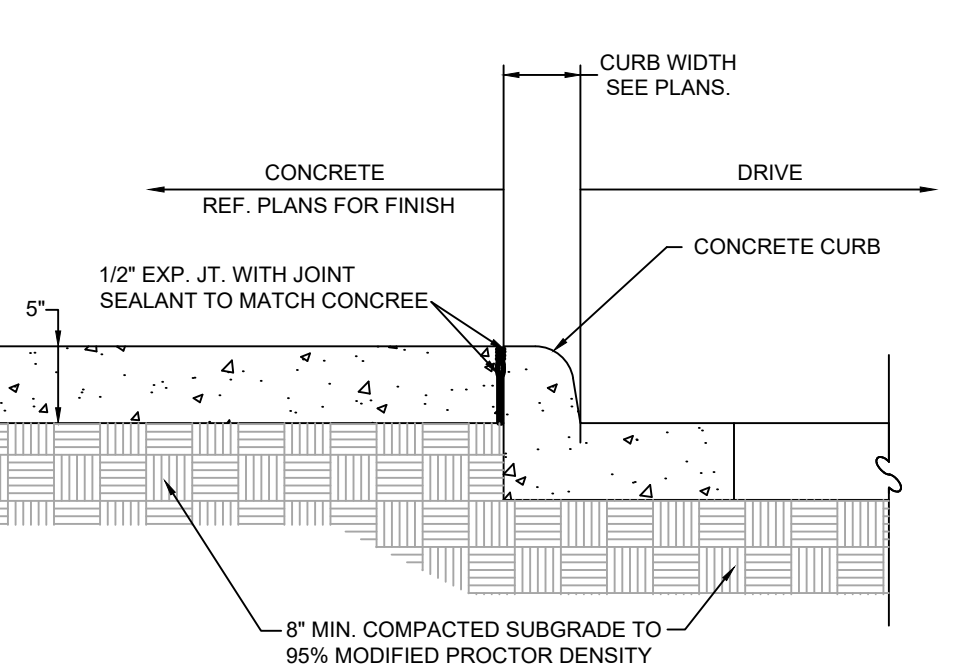
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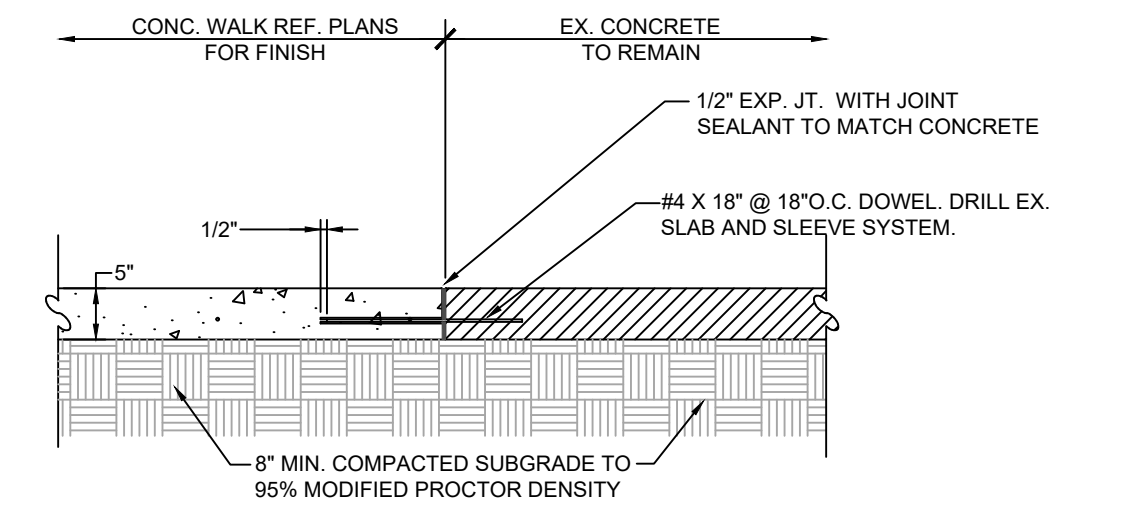
1 CONCRETE SIDEWALK AT TOOLED CONTROL JOINT
SECTION N.T.S.



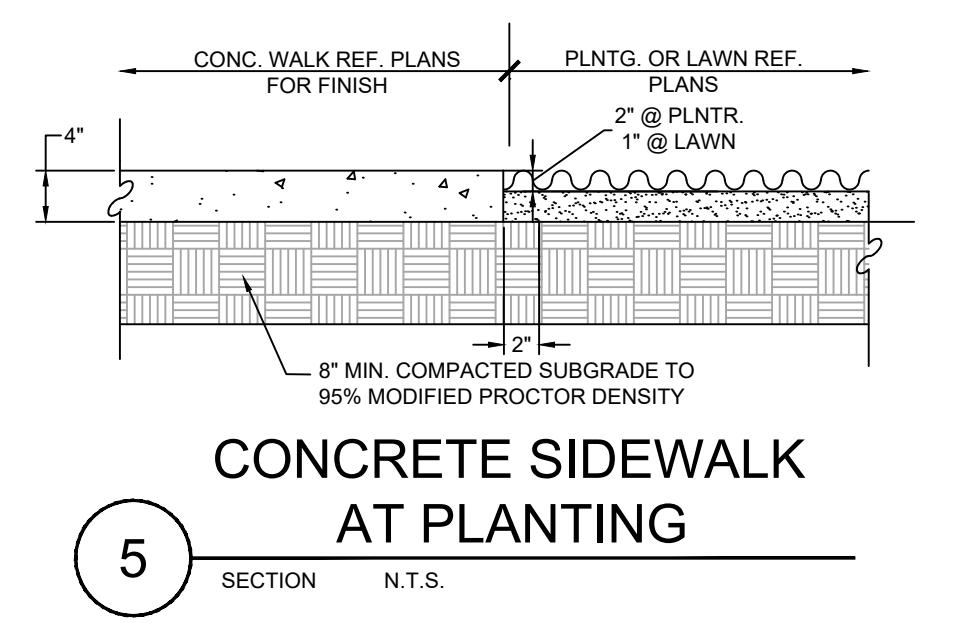
2 CONCRETE SIDEWALK AT EXPANSION JOINT
SECTION N.T.S.



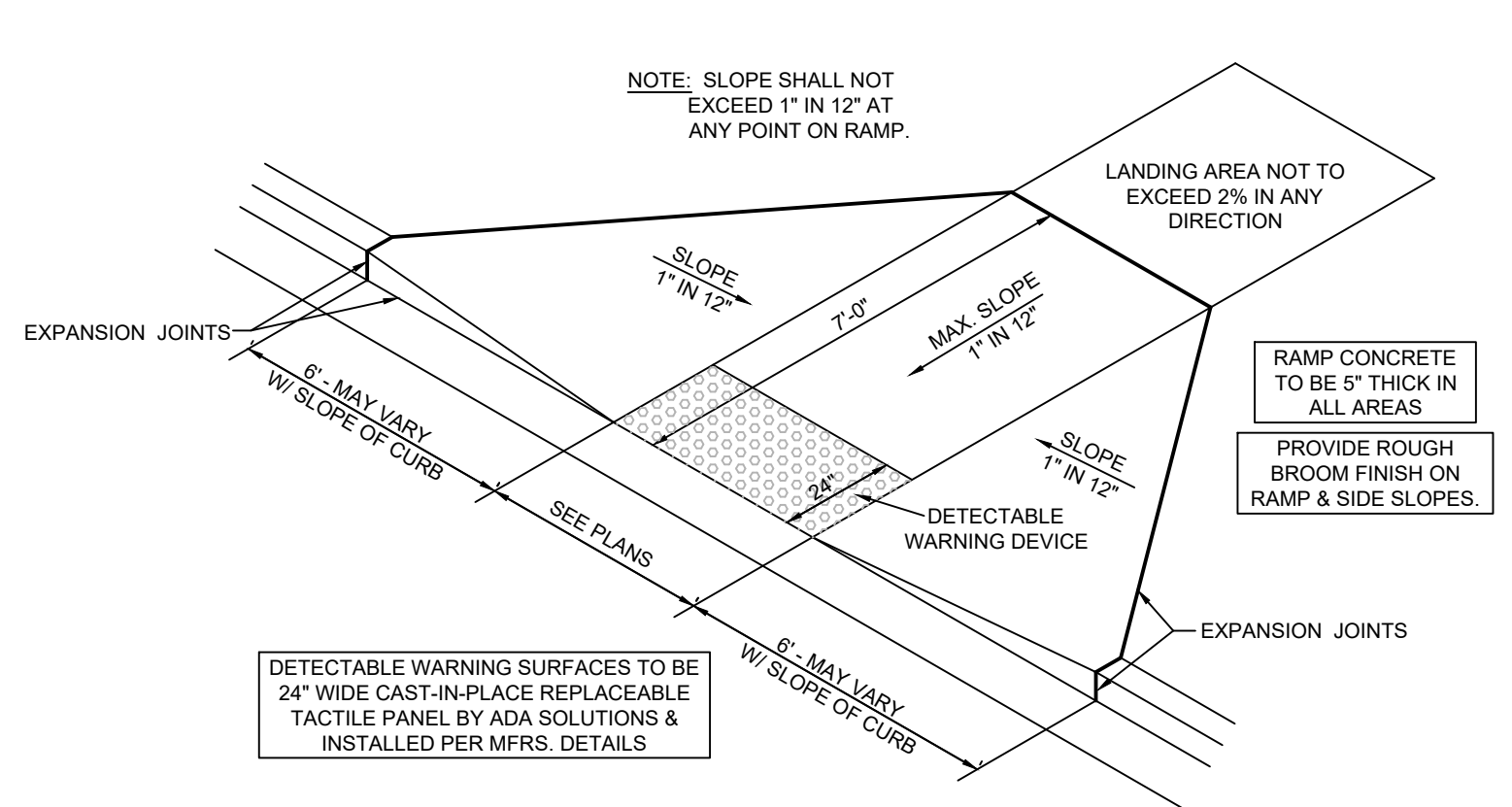
3 CONCRETE SIDEWALK AT CURB
SECTION N.T.S.



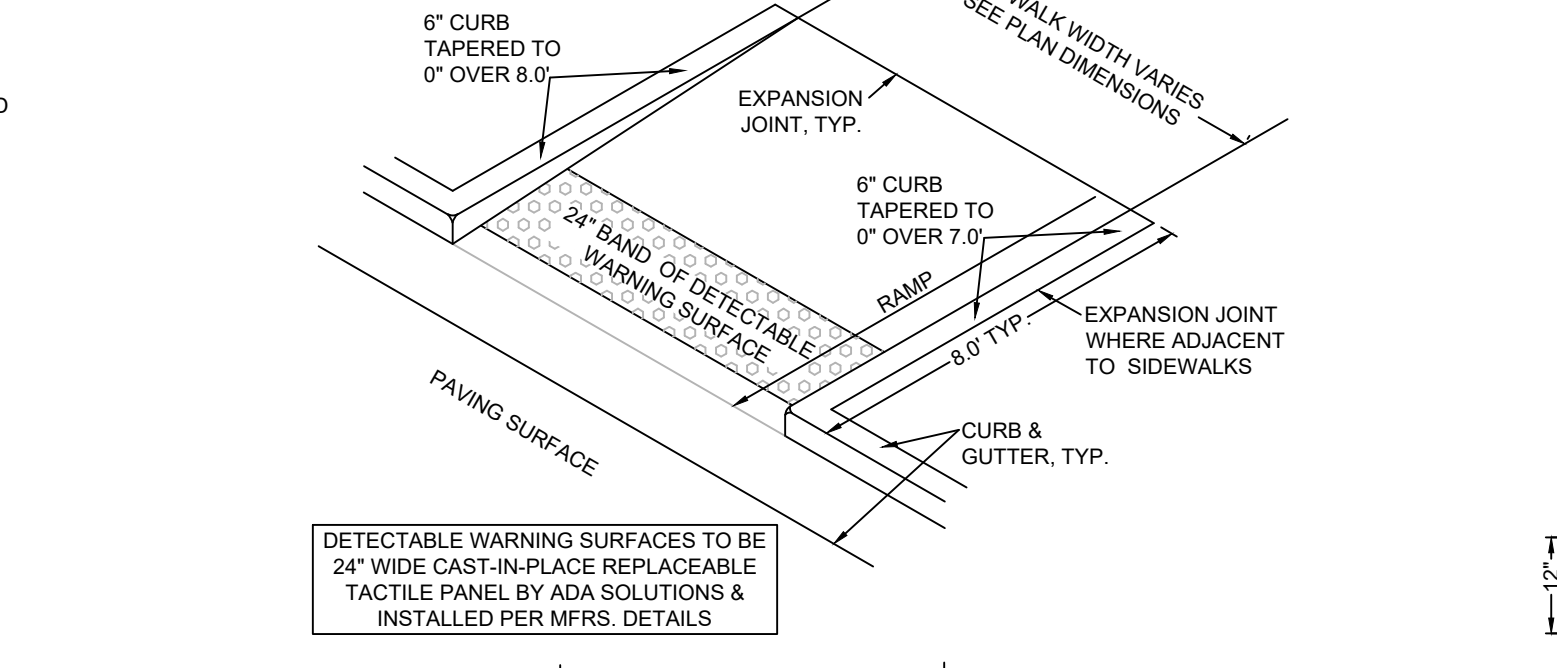
4 CONCRETE SIDEWALK AT EXISTING CONCRETE
SECTION N.T.S.



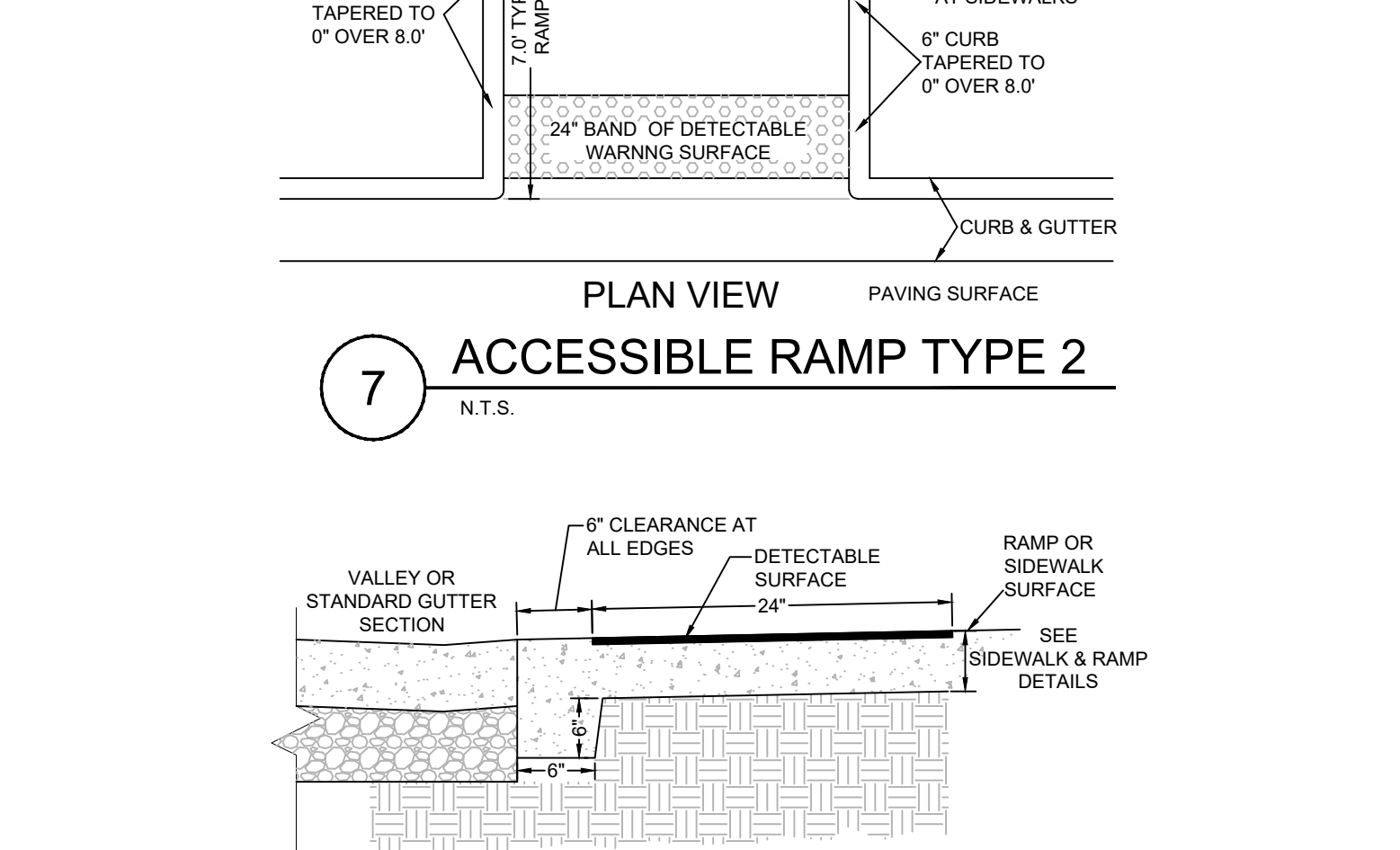
5 CONCRETE SIDEWALK AT PLANTING
SECTION N.T.S.



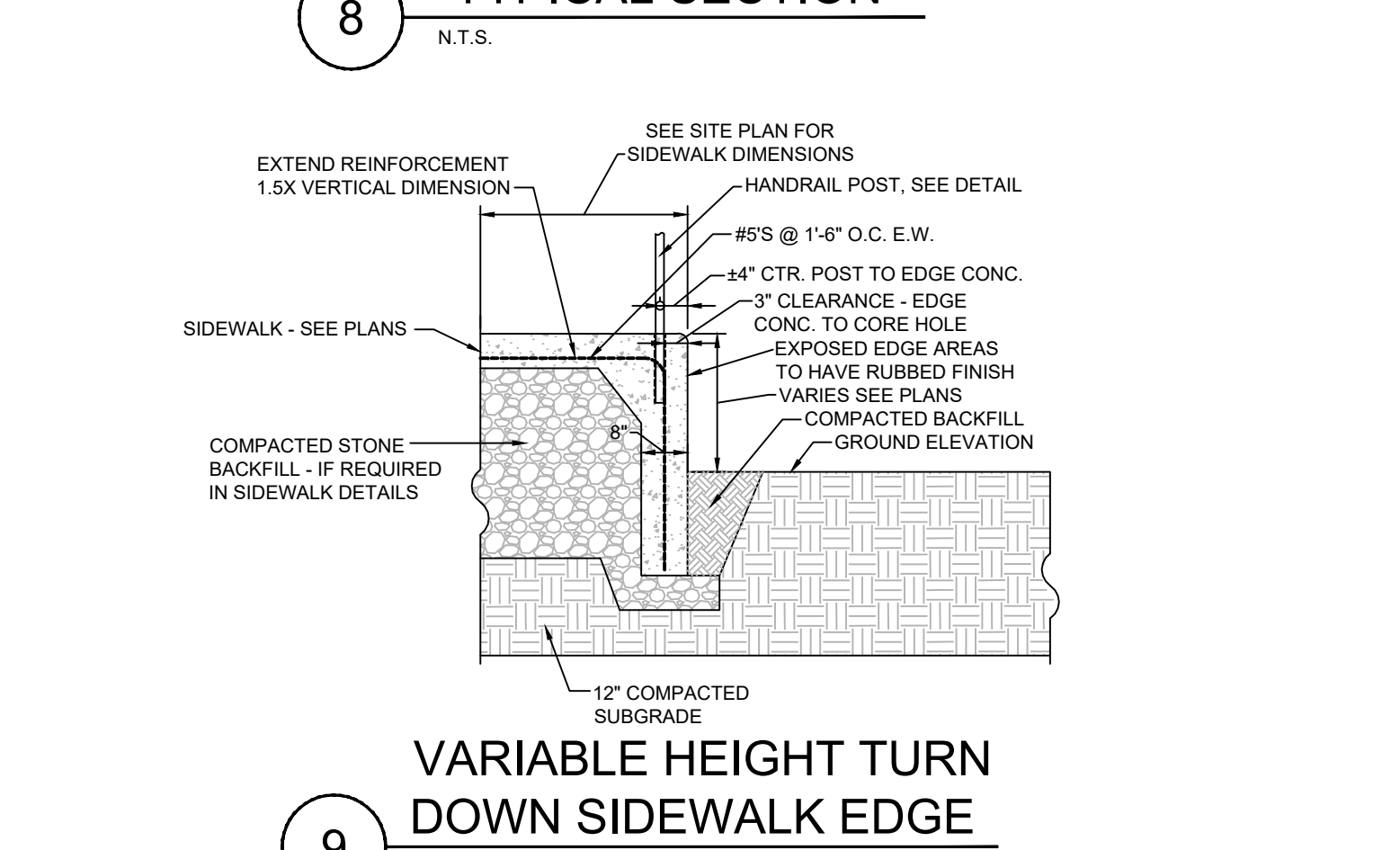
6 ACCESSIBLE RAMP TYPE 1
N.T.S.



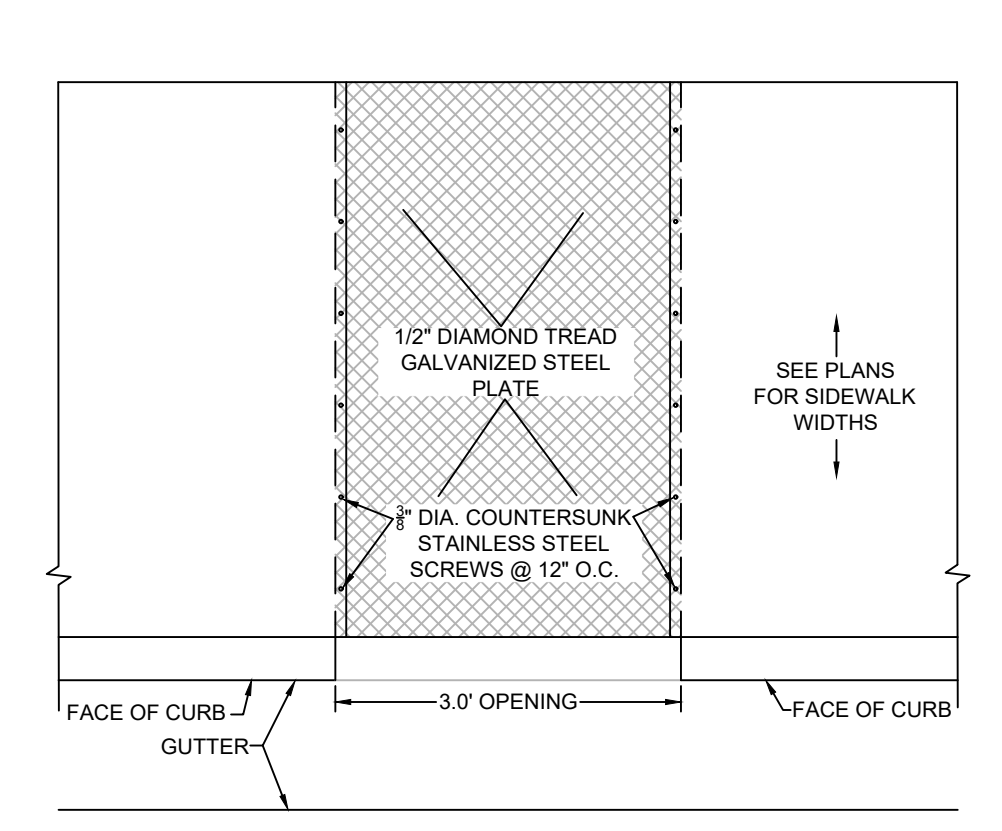
7 ACCESSIBLE RAMP TYPE 2
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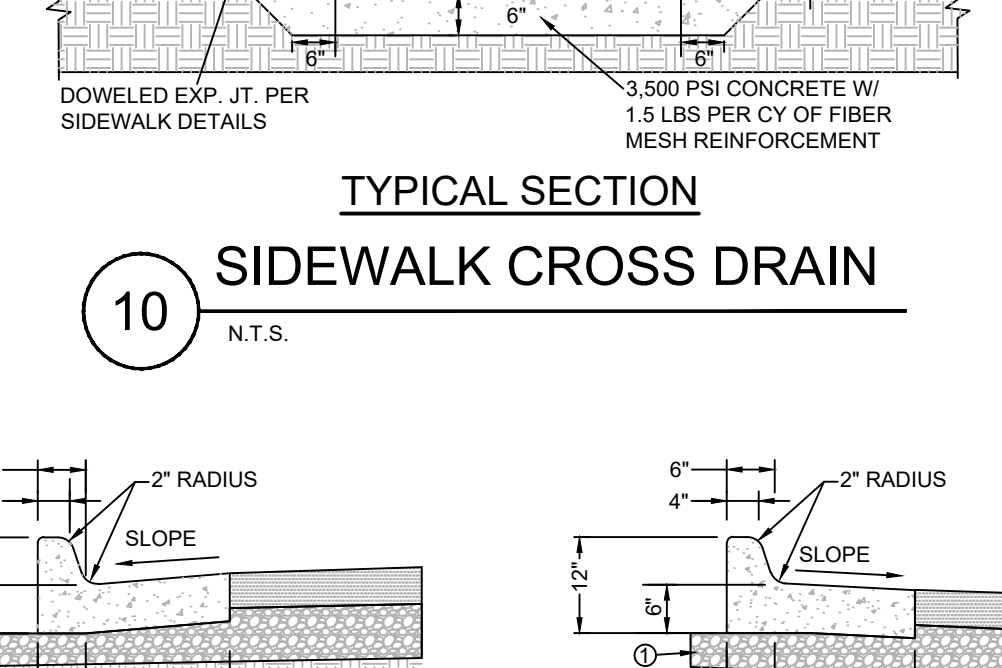
8 ACCESSIBLE RAMPS TYPICAL SECTION
N.T.S.



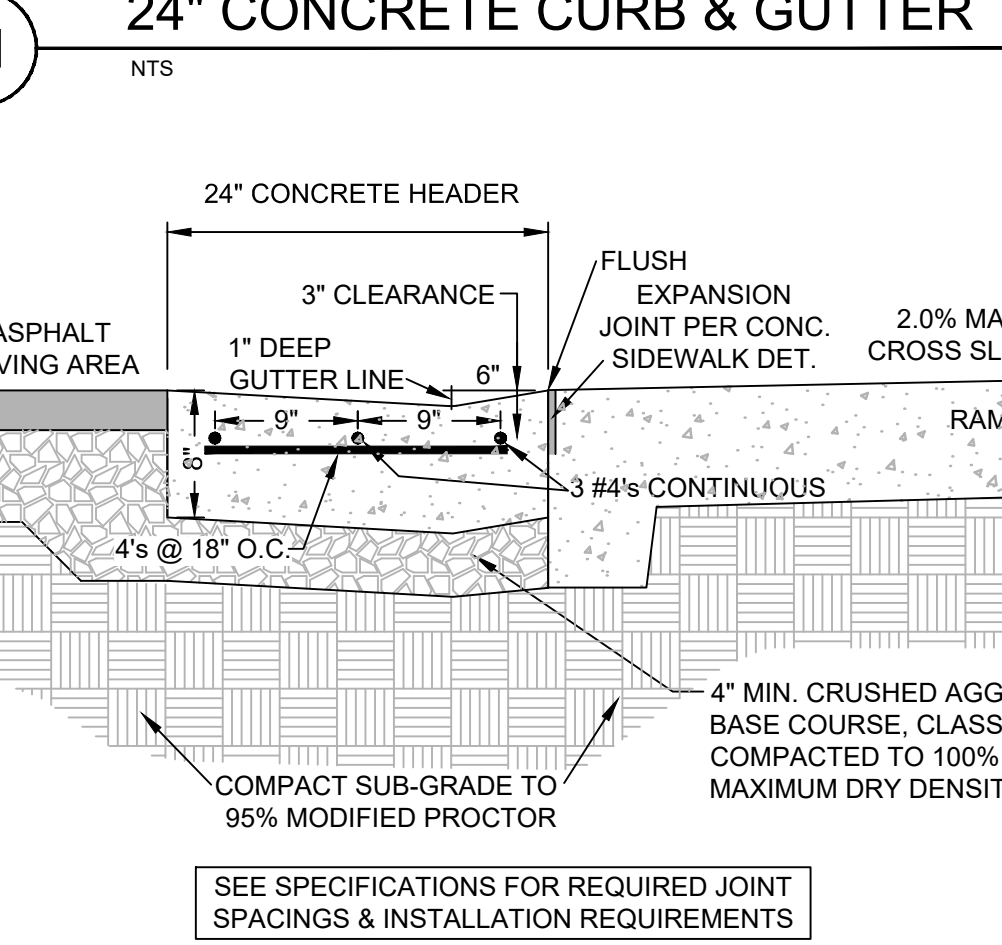
9 VARIABLE HEIGHT TURN DOWN SIDEWALK EDGE
N.T.S.



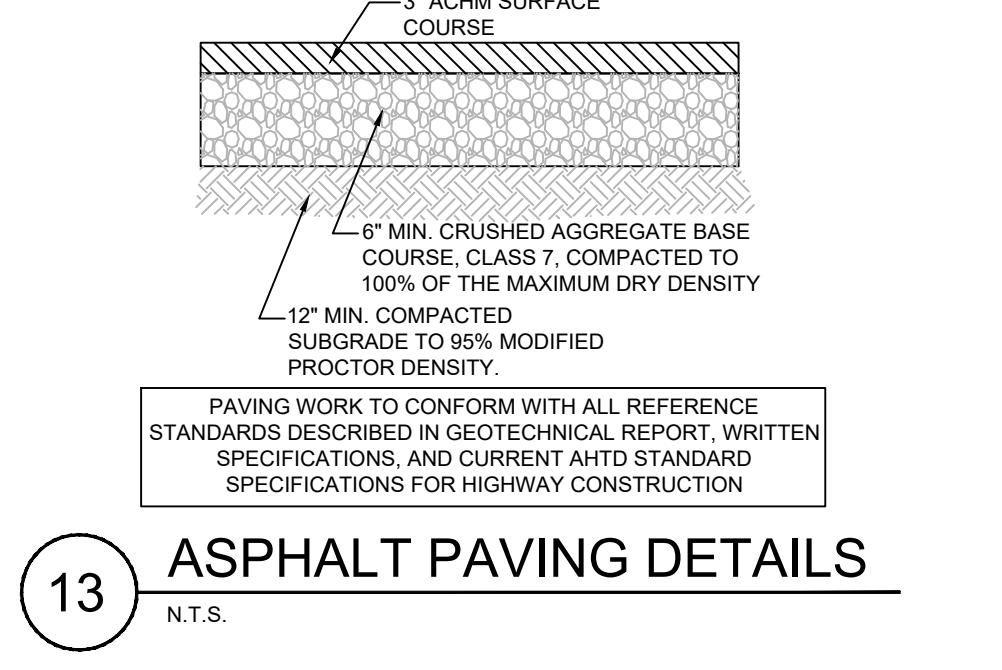
10 SIDEWALK CROSS DRAIN
N.T.S.



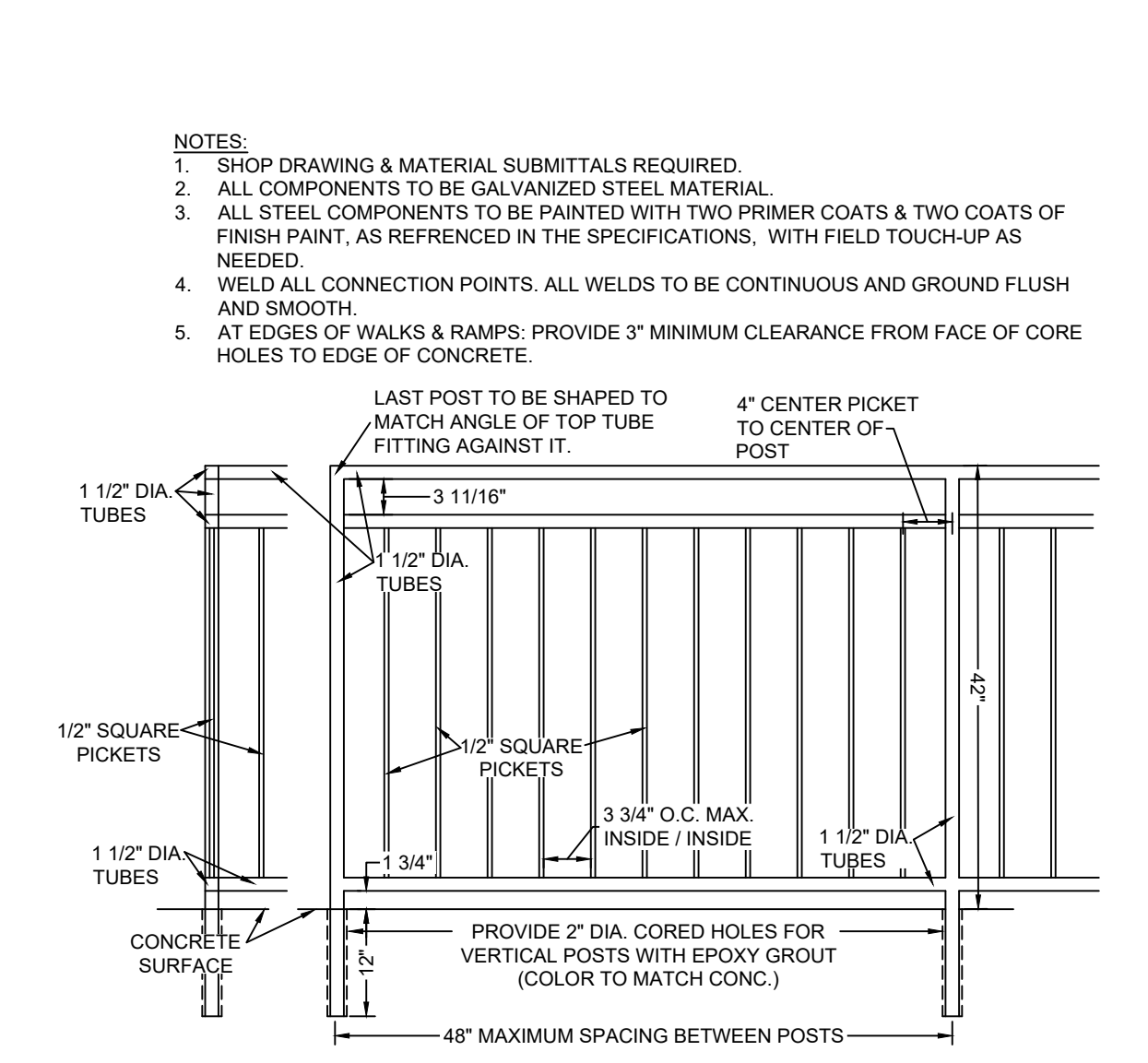
11 24" CONCRETE CURB & GUTTER
N.T.S.



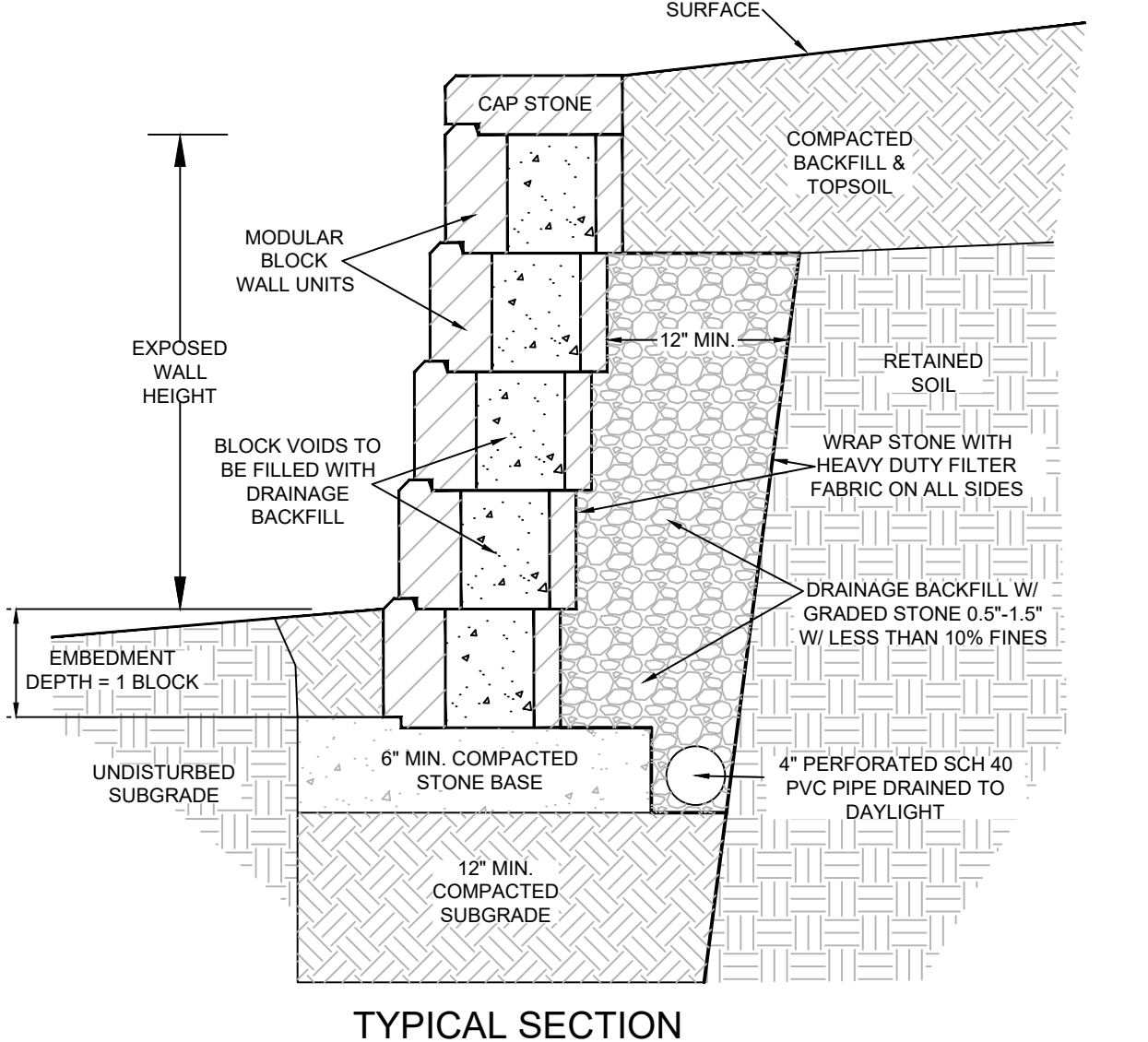
12 24" CONCRETE HEADER AT SIDEWALK
N.T.S.



13 ASPHALT PAVING DETAILS
N.T.S.



14 PEDESTRIAN HANDRAIL-GUARDRAIL
N.T.S.

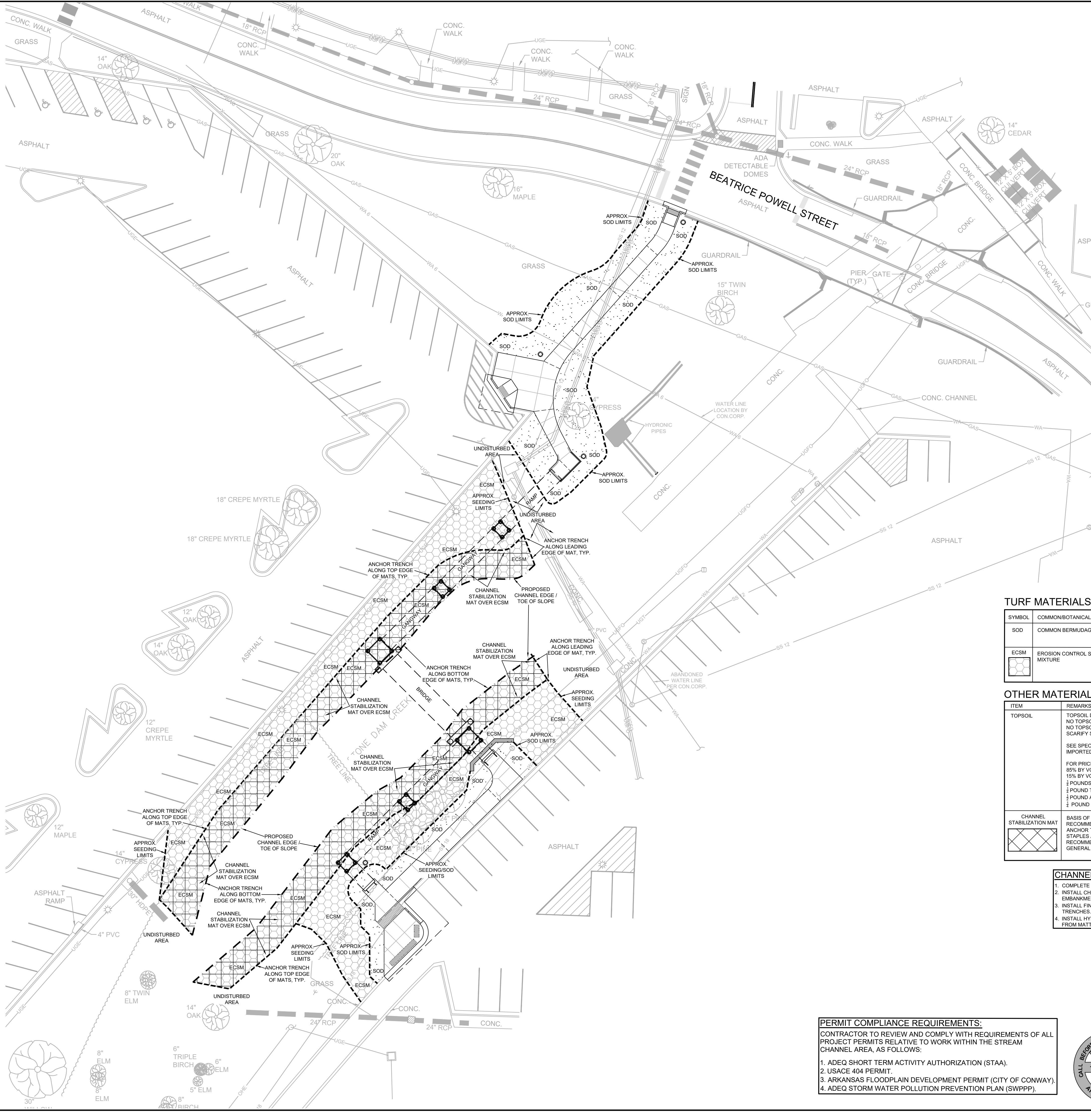


15 TYPICAL MODULAR BLOCK GRAVITY WALL
N.T.S.

UCA CONCRETE STANDARD FOR SIDEWALKS:
CONCRETE FOR SIDEWALKS TO BE 5" MINIMUM THICKNESS, 3,500 PSI CONCRETE MIX WITH 1.5 LBS PER CY OF FIBER MESH REINFORCEMENT

LEGEND

- ⊕ FIRE HYDRANT
- ⊕ WATER VALVE
- ⊕ WATER METER
- ⊕ POWER POLE
- ⊕ GUY WIRE
- ⊕ LIGHT POLE
- ⊕ TELEPHONE PEDESTAL
- ⊕ SANITARY SEWER MANHOLE
- ⊕ SIGN
- WA— WATER LINE
- GAS— GAS LINE
- OHE— OVERHEAD ELECTRIC
- UGFO— UNDERGROUND FIBER OPTIC
- UGT— UNDERGROUND TELEPHONE



GENERAL LANDSCAPE NOTES:

1. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT PRIOR TO INITIATING WORK ON THE SITE.
2. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES IN ACCORDANCE WITH THE ARKANSAS UNDERGROUND FACILITIES DAMAGE PREVENTION ACT. THIS LAW REQUIRES THAT THE CONTRACTOR MAKE A TELEPHONE CALL TO THE ARKANSAS ONE-CALL SYSTEM AT 1-800-482-8998 AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING TO ENSURE THAT ANY EXISTING UTILITIES CAN BE LOCATED.
3. CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. SEE UTILITY COORDINATION PLAN AND VERIFY PLANT EXCAVATIONS WITH UTILITY PLANS AND INSTALLED FIELD LOCATIONS OF NEW UTILITIES.
4. CONTRACTOR SHALL BEAR ALL RESPONSIBILITY AND COST OF REPAIR OR REPLACEMENT OF EXISTING UTILITIES, DAMAGE OR INTERRUPTED AS A RESULT OF THIS CONSTRUCTION PROJECT.
5. CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE OWNER OF ANY DAMAGED OR INTERRUPTED UTILITIES IMMEDIATELY.
6. SEE GRADING AND DRAINAGE PLAN FOR PROPOSED SLOPES, SWALES, BERMS, ETC. MAINTAIN PROPER FINISH GRADES IN ALL AREAS AS INDICATED.
7. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR FINE GRADING, REMOVAL OF MISCELLANEOUS DEBRIS AND ANY ADDITIONAL FILL REQUIRED TO PROVIDE MINIMUM TOPSOIL DEPTHS AND CREATE A SMOOTH CONDITION PRIOR TO PLANTING IN ALL AREAS.
8. CONTRACTOR SHALL PROVIDE SOIL SAMPLES. A MINIMUM OF TWO SAMPLES FROM EACH DIFFERENT SOIL AREA AND FROM EACH IMPORT SOIL SOURCE IS REQUIRED. VERIFY APPROPRIATE QUANTITY OF SAMPLES WITH THE LANDSCAPE ARCHITECT. SAMPLES SHALL THEN BE TESTED AND ANALYZED FOR AGRICULTURAL SUITABILITY AND FERTILITY BY AN ACCREDITED SOIL TESTING LABORATORY. ANALYSIS SHALL INCLUDE REVIEW AND COORDINATION WITH SPECIFICATIONS, RECOMMENDATIONS FOR TOPSOIL PREPARATION, SOIL AMENDMENTS, AND BACK FILL MIX. SUBMIT SOIL ANALYSES TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO SOIL PREPARATION. THIS REQUIREMENT APPLIES TO ALL SOILS AND CONDITIONS WITHIN THIS PROJECT INCLUDING IMPORT SOILS AND ON GRADE SOILS.
9. TOPSOIL SHALL BE FREE OF STONES, ROOTS AND CLODS AND ANY OTHER FOREIGN MATERIAL THAT IS NOT BENEFICIAL FOR PLANT GROWTH. REF. SPECS.
10. LANDSCAPE AND OPEN AREAS SHALL BE KEPT FREE OF TRASH, LITTER AND WEEDS AT ALL TIMES DURING CONSTRUCTION.
11. IDENTIFICATION LABELS MUST BE ATTACHED TO ALL PLANT MATERIALS AND SHALL REMAIN INTACT UNTIL FINAL ACCEPTANCE OF THE WORK. REMOVE ALL TAGS AND LABELS FOLLOWING ACCEPTANCE.
12. REPORT ANY DISCREPANCIES FOUND IN THE PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADVISE THE LANDSCAPE ARCHITECT OF ANY CONDITION FOUND ON THE SITE WHICH PROHIBITS INSTALLATION AS SHOWN ON THESE DRAWINGS.
13. THE PLANT SYMBOLS OR INTENDED COVERAGE AREAS SHOW SHALL SUPERSEDE NOTED QUANTITIES.
14. CONTRACTOR SHALL STAKE OUT ALL INFORMAL TREE LOCATIONS IN FIELD USING COLORED FLAGS FOR EACH DIFFERENT TREE SPECIES FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO EXCAVATION. L.A. RESERVES THE RIGHT TO ADJUST PLANTS TO EXACT LOCATION IN FIELD.
15. ALL PLANT MATERIALS MUST BE APPROVED PRIOR TO INSTALLATION. SUBSTITUTIONS OF SIZE OR TYPE OF MATERIAL ARE NOT PERMITTED WITHOUT WRITTEN APPROVAL PRIOR TO DELIVERY OR INSTALLATION.
16. ALL PLANT MATERIAL SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION AND MUST BE REPLACED WITH PLANT MATERIAL OF THE SAME VARIETY AND SIZE IF DAMAGED, DESTROYED, OR REMOVED PRIOR TO FINAL ACCEPTANCE.
17. COORDINATE ALL INSTALLATION ACTIVITIES WITH IRRIGATION WORK AND IMMEDIATELY REPAIR DAMAGES TO FINISH GRADES, SOD, AND PLANT MATERIALS UNTIL FINAL ACCEPTANCE OF THE WORK.

SODDING OF DISTURBED AREAS

AREAS & LIMITS OF SODDING ARE INDICATED BASED ON ANTICIPATED DISTURBANCE BY GRADING OPERATIONS. CONTRACTOR TO PROVIDE ADDITIONAL SODDING OR HYDROSEEDING (MATCH ADJACENT SURFACE TREATMENT) IN ANY OTHER AREAS DISTURBED BY WORK UNDER THIS CONTRACT. ALSO EXCAVATE & REMOVE ANY REMAINING TURF & SOIL TO A 4" MINIMUM DEPTH WITHIN NEW SOD AREAS WHERE NECESSARY. HAND EXCAVATION REQUIRED WITHIN DRIP LINES OF TREE AREAS. DO NOT DAMAGE EXISTING ROOTS.

MAINTENANCE & WARRANTY

CONTRACTOR TO PROVIDE FULL MAINTENANCE OF INSTALLED LANDSCAPE & IRRIGATION UNTIL DATE OF FINAL ACCEPTANCE. ALSO PROVIDE ONE YEAR WARRANTY FOR ALL LANDSCAPE WORK FROM THE DATE OF FINAL ACCEPTANCE.

TURF MATERIALS LIST

SYMBOL	COMMON/BOTANICAL NAME	SIZE	REMARKS
SOD	COMMON BERMUDAGRASS	SQ. YD.	SOLID SOD ALL INDICATED AREAS WITH CLOSE KNOT JOINTS. SECURE SOD ON SLOPES GREATER THAN 3:1 WITH SOD STAPLES. PER SPECIFICATIONS.
ECMS	EROSION CONTROL SEEDING MIXTURE	SQ. FT.	EROSION CONTROL, SEEDING & MULCHING MIXTURES AS DESCRIBED IN THE SPECIFICATIONS FOR HYDROSEEDING. SEE SPECIFICATIONS FOR REQUIRED TESTING, SUBMITTALS, MULCHING MATERIAL, SEED, FERTILIZER, APPLICATION RATES, MAINTENANCE AND OTHER REQUIREMENTS OF THE WORK.

OTHER MATERIALS

ITEM	REMARKS
TOPSOIL	TOPSOIL DEPTH FOR SODDED AREAS = 3 INCHES NO TOPSOIL UNDER SOD IN AREAS WITH CHANNEL STABILIZATION MATS NO TOPSOIL IN SEEDING AREAS SCARIFY SURFACES OF EXISTING SOILS PRIOR TO INSTALLATION OF MATS AND/OR HYDROSEEDING. SEE SPECIFICATIONS FOR SOIL PREPARATION FOR REQUIREMENTS REGARDING TOPSOIL, EXISTING & IMPORTED SOIL AMENDMENTS, SOIL PREPARATION, AND SOIL CONDITIONING. FOR PRICING PURPOSES ASSUME THE FOLLOWING SOIL AMENDMENTS (PER CUBIC YARD): 85% BY VOLUME TOPSOIL 15% BY VOLUME COMPOST 1/2 POUNDS AMMONIUM SULFATE 1/2 POUND TRIPLE SUPER PHOSPHATE 1/2 POUND AGRICULTURAL GYPSUM 1/2 POUND POTASSIUM SULFATE
CHANNEL STABILIZATION MAT	BASIS OF DESIGN: PROFILE FUTERRA R45 HP-TRIM TURF REINFORCEMENT MAT TO BE INSTALLED PER MFRS. RECOMMENDATIONS & DETAILS, WHERE INDICATED ALONG STREAM CHANNEL EMBANKMENTS. INSTALL WITH ANCHOR TRENCHES AT TOP & BOTTOM OF EDGES OF MATS. PROVIDE INITIAL ANCHORING WITH METAL STAPLES AND FINAL ANCHORING WITH DRIVEN PLATINUS ANCHORS. PER DETAILS AND MFRS. RECOMMENDATIONS. THE ABOVE NAME BRAND PRODUCTS HAVE BEEN USED AS THE BASIS FOR DESIGN. SEE GENERAL SPECIFICATION REQUIREMENTS FOR TURF REINFORCEMENT MATS & ANCHORS.

CHANNEL STABILIZATION MAT INSTALLATION NOTES:

1. COMPLETE GRADING OF EMBANKMENTS & SCARIFY SURFACES FOR HYDROSEEDING APPLICATION.
2. INSTALL CHANNEL STABILIZATION MATS, ANCHOR TRENCHES & INITIAL ANCHORING OVER EMBANKMENT AREAS.
3. INSTALL FINAL ANCHORING WITH PLATINUS ANCHORS, PER DETAILS, OVER MAT AREAS & ANCHOR TRENCHES.
4. INSTALL HYDROSEEDING APPLICATION WITH HOSE, INTO MATS, AT CLOSE RANGE OF 1 TO 3 FEET FROM MATT SURFACE TO FULLY FILL DEPTH OF MAT MATERIAL.

PERMIT COMPLIANCE REQUIREMENTS:

- CONTRACTOR TO REVIEW AND COMPLY WITH REQUIREMENTS OF ALL PROJECT PERMITS RELATIVE TO WORK WITHIN THE STREAM CHANNEL AREA, AS FOLLOWS:
1. ADEQ SHORT TERM ACTIVITY AUTHORIZATION (STAA).
 2. USACE 404 PERMIT.
 3. ARKANSAS FLOODPLAIN DEVELOPMENT PERMIT (CITY OF CONWAY).
 4. ADEQ STORM WATER POLLUTION PREVENTION PLAN (SWPPP).



Stocks Mann Architects, PLC
 401 W. CAPITOL, SUITE 402
 LITTLE ROCK, AR 72201
 501-370-9207 501-370-9208 (FAX)

CONSULTANTS:
STRUCTURAL ENGINEER
 Robbins Engineering
CIVIL ENGINEER
 Development Consultants, Inc.

Professional seal for Robert Brink, Arkansas, License No. 1992, dated 10-05-2023.

Professional seal for Development Consultants, Inc., Arkansas-Engineer, License No. 128.

UNIVERSITY OF CENTRAL ARKANSAS
STONE DAM CREEK PEDESTRIAN BRIDGE
CONWAY, ARKANSAS

REVISIONS

ISSUE DATE
OCTOBER 3, 2023

PROJECT NO.
SMA #1505R
ARDOT #080670
TAPF-9095(45)

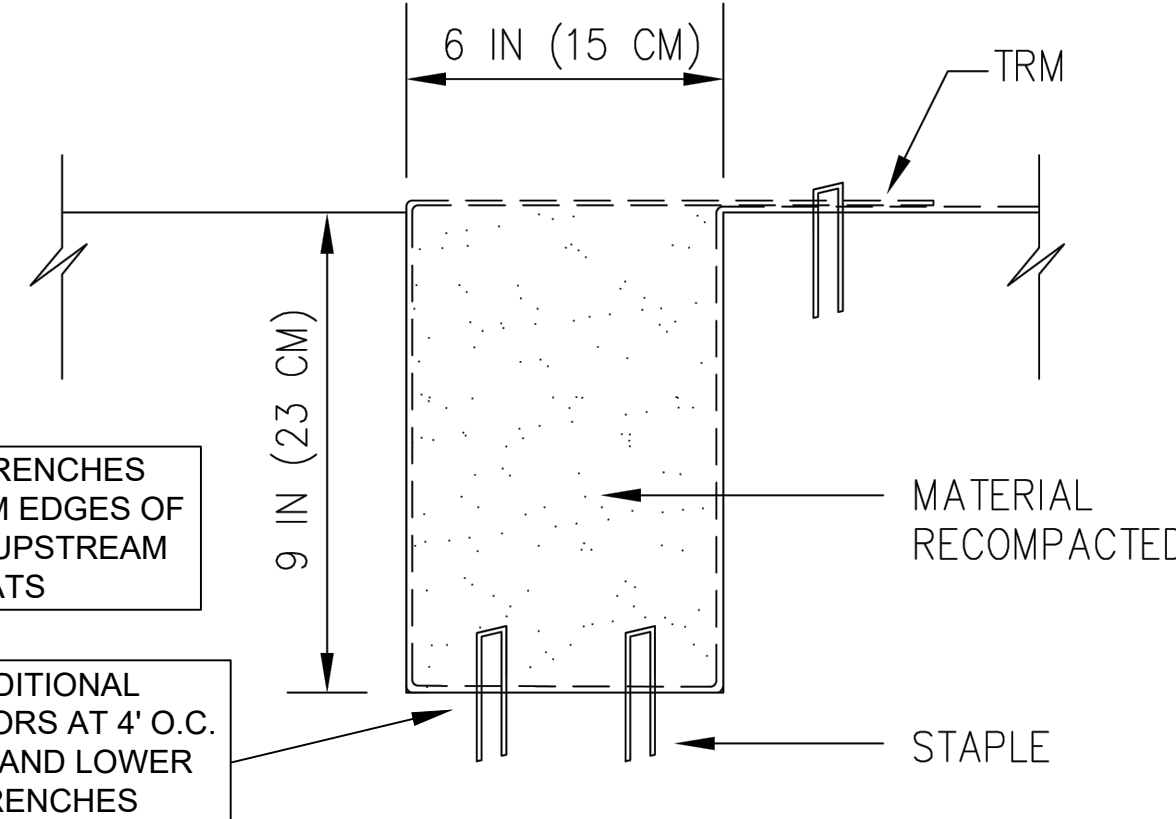
LANDSCAPE & CHANNEL STABILIZATION PLAN

SHEET NUMBER
L1.01

FuterraTechDetails

102: Initial and Terminal Anchor Trench

Referenced Products:
 Futerra® TRM 7003
 Futerra® TRM 7010
 Futerra® TRM 7020
 Futerra® R45 HP-TRM



INSTALL ANCHOR TRENCHES ALONG TOP & BOTTOM EDGES OF MATS & AT LEADING/UPSTREAM EDGES OF MATS

INSTALL ADDITIONAL PLATIPUS ANCHORS AT 4' O.C. ALONG UPPER AND LOWER ANCHOR TRENCHES

SEE COMPREHENSIVE CSI FORMATTED SPECIFICATION FOR FURTHER DETAILS

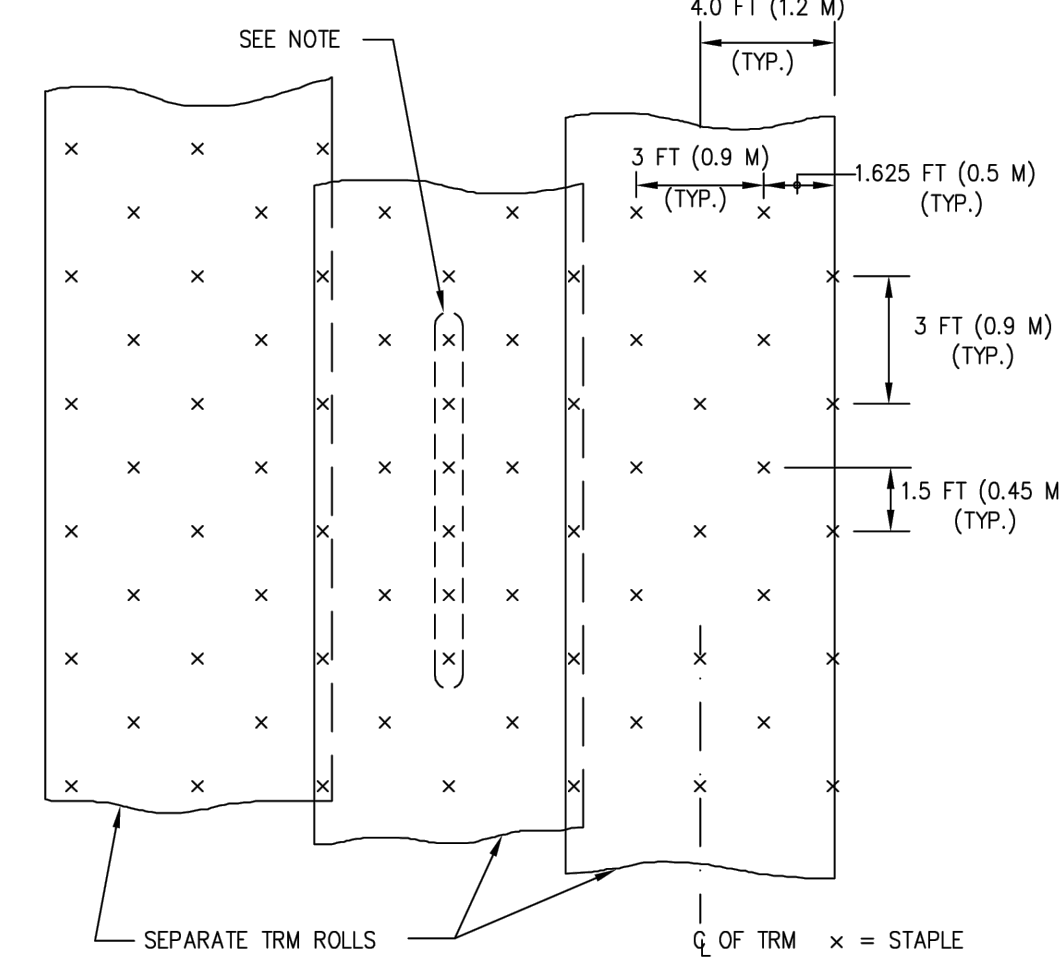
<p>Futerra TURF REINFORCEMENT MAT</p>	<p>Profile Solutions for your Environment™</p>	FILE NAME: CAD Details - FUTERRA 102 INITIAL AND TERMINAL ANCHOR TRENCH.dwg CONTACT: 800-508-8681 (US & Canada) +1-847-215-1144 (International) WEB SITE: www.profileproducts.com
		DRAWN BY: RPH DATE: 06/16/17 SCALE: NOT TO SCALE CHECKED BY: DATE: SHEET 1 OF 1

1 TYPICAL MAT ANCHOR TRENCH DETAIL
N.T.S.

FuterraTechDetails

103: Staple Pattern

Referenced Products:
 Futerra® TRM 7003
 Futerra® TRM 7010
 Futerra® TRM 7020
 Futerra® R45 HP-TRM



NOTE: ADDITIONAL STAPLES MIGHT BE REQUIRED AT GROUND SURFACE ELEVATION IRREGULARITIES. ALWAYS SPACE STAPLES AT 1.5 FT (0.45 M) INTERVALS IN CENTER OF THE DITCH (V-SHAPE) AND AT TOE OF (TRAPEZOID - SHAPE) CHANNEL.

ENSURE ALL FASTENERS ARE INSTALLED TO MAKE DIRECT CONTACT WITH TRM AND SOIL

SEE COMPREHENSIVE CSI FORMATTED SPECIFICATION FOR FURTHER DETAILS

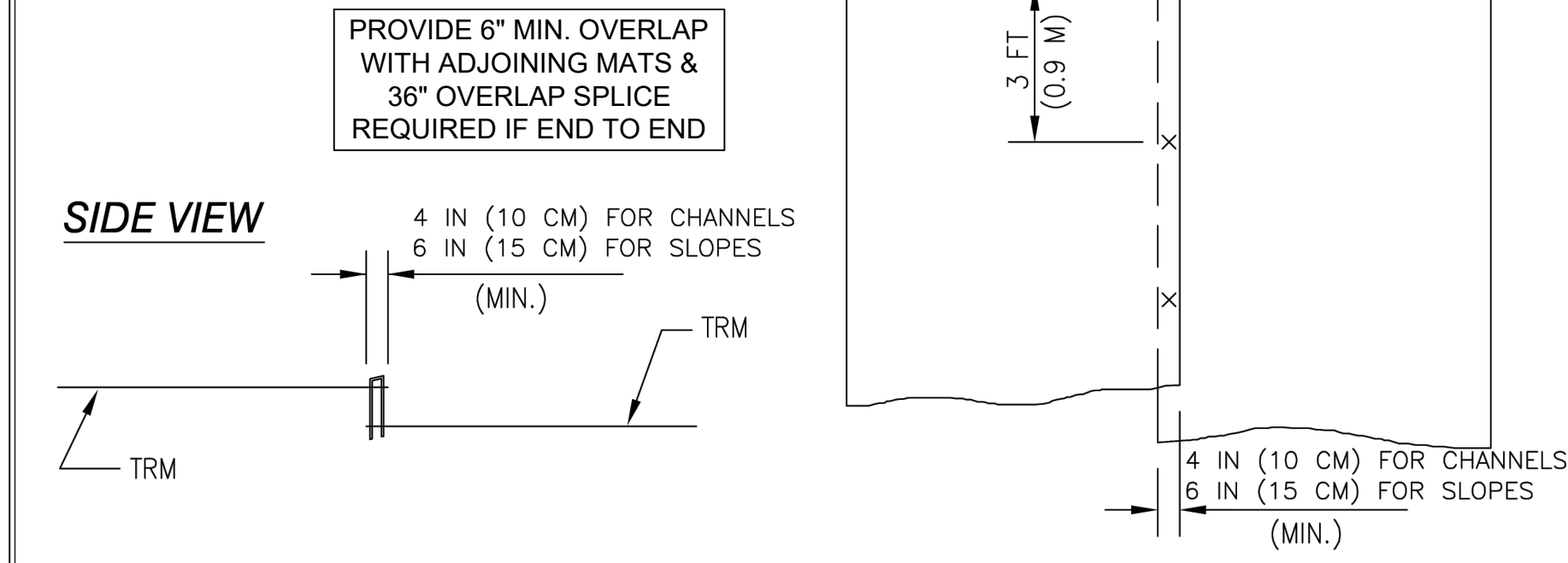
<p>Futerra TURF REINFORCEMENT MAT</p>	<p>Profile Solutions for your Environment™</p>	FILE NAME: CAD Details - FUTERRA 103 STAPLE PATTERN.dwg CONTACT: 800-508-8681 (US & Canada) +1-847-215-1144 (International) WEB SITE: www.profileproducts.com
		DRAWN BY: RPH DATE: 06/16/17 SCALE: NOT TO SCALE CHECKED BY: DATE: SHEET 1 OF 1

2 INITIAL MAT ANCHORING STAPLE PATTERN
N.T.S.

FuterraTechDetails

105: Overlaps Between Rolls

Referenced Products:
 Futerra® TRM 7003
 Futerra® TRM 7010
 Futerra® TRM 7020
 Futerra® R45 HP-TRM



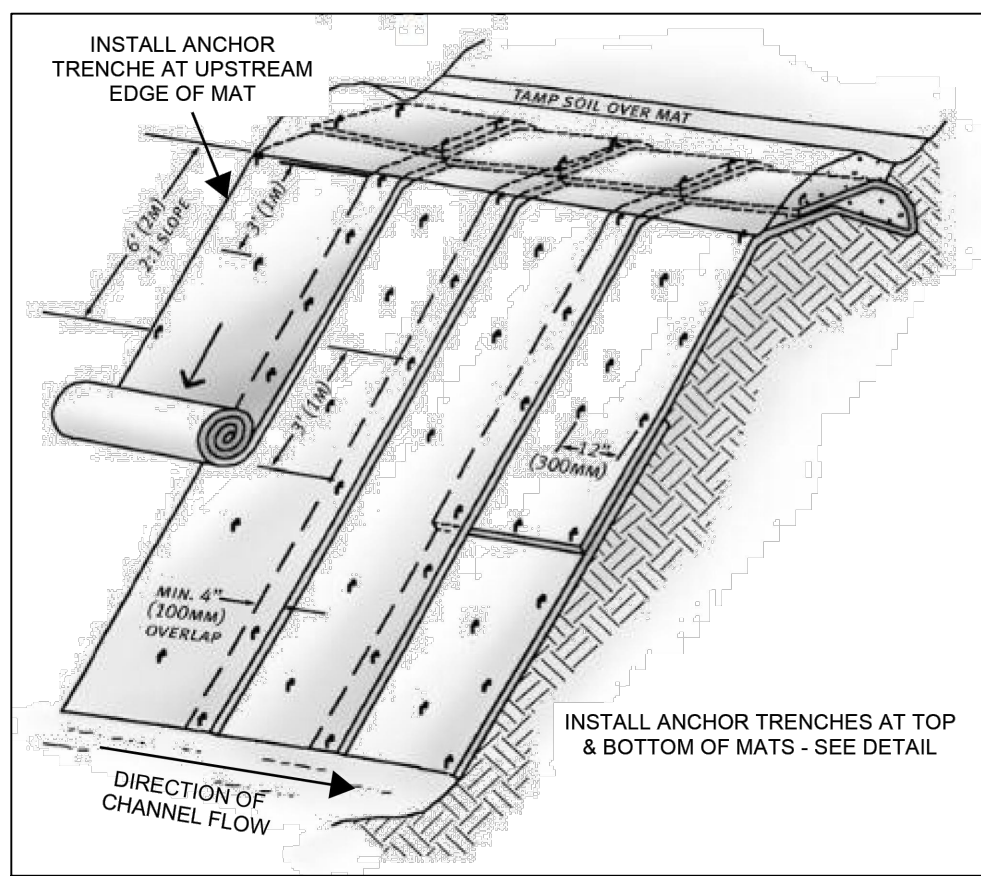
PROVIDE 6" MIN. OVERLAP WITH ADJOINING MATS & 36" OVERLAP SPLICE REQUIRED IF END TO END

4 IN (10 CM) FOR CHANNELS (MIN.)
6 IN (15 CM) FOR SLOPES

SEE COMPREHENSIVE CSI FORMATTED SPECIFICATION FOR FURTHER DETAILS

<p>Futerra TURF REINFORCEMENT MAT</p>	<p>Profile Solutions for your Environment™</p>	FILE NAME: CAD Details - FUTERRA 105 OVERLAP - BETWEEN ROLLS.dwg CONTACT: 800-508-8681 (US & Canada) +1-847-215-1144 (International) WEB SITE: www.profileproducts.com
		DRAWN BY: RPH DATE: 06/16/17 SCALE: NOT TO SCALE CHECKED BY: DATE: SHEET 1 OF 1

3 TYPICAL MAT OVERLAP DETAIL
N.T.S.



4 TYPICAL MAT INSTALLATION ON SLOPES
N.T.S.

CONCEPT ONLY. NOT TO SCALE.

HPTRM CONCEPT DRAWING

NOTES:
 THE S2 ARGES AND SURFACE PROTECTION MATERIAL ARE INTENDED FOR EROSION PROTECTION ONLY. IF THE SLOPE IS NOT STABLE AN EMBANKMENT STABILITY ANALYSIS SHOULD BE PERFORMED BY A QUALIFIED GEOTECHNICAL ENGINEER.

- GRADE SLOPE SMOOTH AND RAKE FREE OF DEBRIS CLODS, OBSTRUCTIONS & DEBRIS
- INSTALL SURFACE PROTECTION MATERIAL UTILIZING ANCHOR TRENCHES & 8-12" STEEL PINS W/ WASHER
- DRIVE PLATIPUS S2 ARGES ANCHOR TO THE DESIRED DEPTH (SEE INSTALLATION INSTRUCTIONS)
- S2 ARGES SHOULD RESIDE AT LEAST 12" INTO THE SOIL AFTER IT IS LOAD LOCKED
- S2 ANCHOR SHOULD HOLD AT LEAST 150 LBS.
- RANDOM ON-SITE LOAD TESTING WILL INSURE ANCHOR MEETS THE DESIRED LOAD
- USING PLATIPUS SUPPLIED SETTING PLATE AND PLATI-KLIEN, ENSURE LOAD PLATE AND WEDGE GRIP ARE TIGHT TO THE SURFACE PROTECTION MATERIAL
- IF THE SURFACE PROTECTION MATERIAL IS NOT TIGHT TO THE SLOPE SURFACE BETWEEN ANCHOR POINTS ADDITIONAL PINS OR ANCHORS SHOULD BE INSTALLED.
- ENSURE THE SURFACE PROTECTION MATERIAL WILL HANDLE THE POINT LOAD GENERATED BY THE ANCHOR'S LOAD PLATE

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 APPROVED/DATE: [blank]

PLATIPUS EARTH ANCHORING SYSTEMS
 1902 Garner Station Boulevard, Raleigh, NC 27603, USA
 Phone: 866-PLATIPUS (752-8476) Fax: 919-862-0888
 Web: www.platipus-anchors.com
 Email: info@platipus-anchors.com

DRAWING NUMBER: **STD 100 - 26**
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5 SECONDARY MAT ANCHOR PLACEMENT PATTERN & SPACING
N.T.S.

Installation Instructions for S2 ARGES Anchored Reinforced Grid Solutions Percussive Driven Earth Anchor (PDEA)

The S2 ARGES is typically used for Surface Erosion and is often spaced at 1 anchor per sq. m / yd. Field adjustments can be made according to site conditions and anchor holding capacity. If the grade is smooth and raked free of rocks and debris, the anchor spacing may be increased slightly. Consult a qualified engineer for specific requirements.

- Using the Platipus® Hand Drive Rod (HDRS2) or Power Drive Rod (PDRS2) drive the anchor system into the ground to the required installation depth.
- Remove the Hand Drive Rod or Power Drive Rod from the body of the anchor by hand.
- Remove the black plastic cap from the wire tendon and carefully insert the wire tendon into the wedge grip. Thread the wire tendon fully through and push down on the wedge grip to seat the assembly against the surface protection material.
- Thread the wire tendon through the setting plate. Using the Platipus® Plati-Klien (PHK) squeeze open the jaws and place the wire tendon in the middle. Then loadlock the anchor into its full working position by applying a load to the wire tendon.
- Place both feet over the setting plate keeping it level to the load plate and continue to apply a load until satisfied. Remove the Plati-Klien and the setting plate.
- Cut off excess tendon and discard accordingly. The surface protection material should be visibly tight between one anchor and the next. As a test, the material between them should not be easily lifted maintaining intimate contact between the surface protection material and the soil below. If this does not occur install an additional anchor.

PLATIPUS EARTH ANCHORING SYSTEMS 866 622 2283 @ uscvlls@platipus-anchors.us www.platipus-anchors.us
 1902 Garner Station Boulevard, Raleigh, NC 27603, USA.

6 SECONDARY MAT ANCHOR INSTALLATION GUIDE
N.T.S.

REVISIONS

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 OCTOBER 3, 2023

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 SMA #1505R
 ARDOT #080670
 TAPPF-9095(45)

DETAILS FOR
 CHANNEL
 STABILIZATION MAT &
 ANCHORS

SHEET NUMBER
L2.01

GENERAL NOTES

DESIGN PARAMETERS:

- Discrepancies** – When discrepancies exist between the Design Drawings (including this sheet) and the Specifications, the more stringent of the two determined by the Engineer shall govern. When discrepancies exist between scale dimensions in the Design Drawings and the figures written in them, the figures shall govern.
- Design Codes** – (All latest editions unless noted):
 - International Building Code
 - American Association State Highway Transportation Officials
 - American Society of Civil Engineers
Minimum Design Loads for Buildings and Other Structures
 - Foundations**
 - Refer to Geotechnical report by GTS, Inc. dated 9-5-2019. Assumed allowable bearing capacity of wall footings and pad footings is 1,500 psf. Allowable end bearing capacity of drilled piers is 15 ksf. Piers shall bear a minimum of 3 feet into the highly weathered shale.
 - If the soil is of questionable bearing value, the Engineer or Architect shall be notified immediately.
 - After footing and pier excavations are completed and before placing concrete, the excavated areas shall be inspected and approved by GTS, Inc.
 - The GTS, Inc. is the sole judge of suitability of underlying material to support foundations and shall approve bearing material before foundation installation.
 - Coefficient of horizontal friction between concrete and soil = 0.35
 - Minimum depth from exterior ground surface to bottom of foundations = 16 inches
 - Observe construction recommendations noted in the soils report. All fill material shall be in accordance with soils report recommendations.
 - Backfill retaining walls with ASTM C-33 No. 57 stone or equivalent approved by the soils engineer. Extend stone from the base of walls outward at a 45 degree angle to the vertical.
 - Backfilling:
 - Backfill in even lifts alternating from side to side.
 - Backfill under foundations with concrete or as approved by soils engineer.

GENERAL INFORMATION:

- All footings/pedestals shall be centered on column baseplates unless noted otherwise.
- Substitution of expansion anchors for embedded anchors shall not be permitted, Unless Approved by Engineer.
- Permanent stability of components is not provided until the erection is completed as shown on the contract drawings. Erection stability and temporary supports required for construction including guys, braces, and shoring are the responsibility of the contractor.
- Testing:
 - Refer to specifications for specific requirements regarding sampling and testing.
 - Where sampling and testing requirements are omitted from the specifications sample and test concrete as follows:
 - Contractor shall engage a testing laboratory acceptable to the owner and Architect. Test conducted shall be paid for by the contractor.
 - Prepare field samples of 4 compressive test cylinders in accordance with ASTM C31 and one slump test for each class of concrete placed each day. Samples shall be taken not less than once per day for each 50 cubic yards of concrete. Test for cylinders shall be conducted one at 7 days and 2 at 28 days, with remaining cylinders retained for future testing in case of low test results.

CAST-IN-PLACE CONCRETE:

- Minimum Concrete Compressive Strengths:
 - All Concrete (Air Entrained) $f'_c = 3,500$ psi min. at 28 days. Max $w/c=0.48$
- Before concrete is placed reinforcement shall be secured against displacement within tolerances permitted in the ACI code.
- Where lap splices are required of deformed bars and not specifically indicated on drawings, splices shall be class B splice.
- When bars of different size are lap spliced, the splice length shall be based upon larger bar.
- Concrete protective covering for reinforcement at surfaces not exposed directly to the ground shall be $\frac{3}{4}$ " for slabs, joists, and walls and $1\frac{1}{2}$ " for beam stirrups and column ties or spirals. Do not "wet stick" dowels.
- The following minimum concrete cover shall be provided:
 - Concrete cast against and permanently exposed to earth 3"
 - Concrete exposed to earth or weather – No. 6 thru No. 18: 2"
 - Concrete exposed to earth or weather – No. 5 and smaller: $1\frac{1}{2}$ "
 - Concrete not exposed to earth or weather:
 - slabs, walls, joists No.14 and No. 18: $1\frac{1}{2}$ "
 - slabs, walls, joists No.11 and smaller: $\frac{3}{4}$ "
- Location and sizes of openings, sleeves, etc. required for other trades must be verified by these trades before placing concrete.
- Contractor is responsible for "means and methods" of construction and shall provide adequate shoring to prevent collapse or damage to structural elements during construction.

CAST-IN-PLACE CONCRETE DRILLED PIERS:

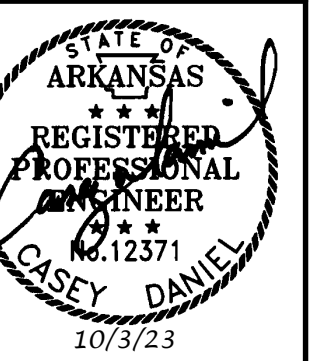
- Provide bored cast-in-place piers with straight shafts as indicated on drawings.
- Drill concrete shafts and clean shaft of loose material immediately after drilling. Verify diameter of bases and depths of piers. Tolerances shall be as follows:
 - $\frac{1}{2}$ " in 48 from vertical.
 - Maximum 2" from location indicated.
- Place reinforcement so that there is a minimum clearance of 3 inches from sides of hole and 6" clearance from bottom of excavation. Provide dowels from piers into grade beam or pedestals. Where length of reinforcement requires splicing use mechanical bar couplers as manufactured by Bar Lock or approved equal.
- Place concrete in accordance with ACI 304 "Guide for Measuring, Mixing, Transporting, and Placing Concrete." Where groundwater infiltration occurs place concrete with tremie.

STRUCTURAL ABBREVIATIONS

ADD	ADDENDUM	LW	LONG WAY
ADDL	ADDITIONAL	LP	LOW POINT
ALT	ALTERNATE	MFR	MANUFACTURER
AB	ANCHOR BOLT	MK	MARK
&	AND	MSRY	MASONRY
ANG	ANGLE	MBA	MECHANICAL BAR ANCHOR
ARCH	ARCHITECT	MBM	METAL BUILDING MANUFACTURER
⊙	AT	MBS	MECHANICAL BAR SPLICE
BP	BASE PLATE	MO	MASONRY OPENINGS
BM	BEAM	MATL	MATERIAL
BMS	BEAMS	MIN	MINIMUM
BRG	BEARING	MISC	MISCELLANEOUS
BOT	BOTTOM	NF	NEAR FACE
B/O	BOTTOM OF/BACK OF	NS	NEAR SIDE
BRDG	BRIDGING	NML WT	NOMINAL WEIGHT
BLDG	BUILDING	NIC	NOT IN CONTRACT
CIP	CAST IN PLACE	NTS	NOT TO SCALE
CLG	CEILING	OC	ON CENTER
C or CL	CENTER/CENTERLINE	OPNG	OPENING
C/C	CENTER TO CENTER	OPP	OPPOSITE
CLR	CLEAR	OPP H	OPPOSITE HAND
COL	COLUMN	OF	OUTSIDE FACE
CP	COMPLETE PENETRATION	PL	PLATE
CONC	CONCRETE	PLBG	PLUMBING
CMU	CONCRETE MASONRY UNIT	P/J	PRE MOLDED JOINT FILLER
CONN	CONNECTION	PP	PARTIAL PENETRATION
CONST	CONSTRUCTION	RAD	RADIUS
CJ	CONTROL JOINT	RECT	RECTANGULAR
CONT	CONTINUOUS	REF	REFERENCE
CONTR	CONTRACTOR	RE	REFER TO
CWA	COORDINATE WITH ARCHITECT	REINF	REINFORCING
DBA	DEFORMED BAR ANCHOR	REQ'D	REQUIRED
DBE	DECK BEARING ELEVATION	REV	REVISION
DL	DEAD LOAD	SCHD	SCHEDULE
DK	DECK	SECT	SECTION
DEP	DEPRESSED	SW	SHORT WAY
DET	DETAIL	SIM	SIMILAR
DIAG	DIAGONAL	SL	SLAB
DIA or ⌀	DIAMETER	SOG	SLAB ON GRADE
DIM	DIMENSION	SPA	SPACE, SPACING, SPACES
DWLS	DOWELS	SPECS	SPECIFICATIONS
DN	DOWN	SQ	SQUARE
DWGS	DRAWINGS	STD	STANDARD
DP	DRILLED PIER	STL	STEEL
EA	EACH	SDI	STEEL DECK INSTITUTE
EE	EACH END	SJI	STEEL JOIST INSTITUTE
EF	EACH FACE	STRUC	STRUCTURE or STRUCTURAL
ES	EACH SIDE	SUPPT	SUPPORT
EW	EACH WAY	SYMM	SYMMETRICAL
ELECT	ELECTRICAL	SYP	SOUTHERN YELLOW PINE
EL	ELEVATION	THK	THICKNESS
EQ	EQUAL	T	TOP
EJ	EXPANSION JOINT	T/	TOP OF
EXT	EXTERIOR	T/C	TOP OF CONCRETE
FF	FAR FACE	T/F	TOP OF FOOTING
FIN	FINISH	T/J	TOP OF JOIST
FS	FAR SIDE	T/L	TOP OF LEDGE
FLR	FLOOR	T/P	TOP OF PILASTER
FTG	FOOTING	T/SL	TOP OF SLAB
FDN	FOUNDATION	T/SOG	TOP OF SLAB ON GRADE
FRMG	FRAMING	T/S	TOP OF STRUCTURAL STEEL
GALV	GALVANIZED	TYP	TYPICAL
GA	GAUGE	UNO	UNLESS NOTED OTHERWISE
HT	HEIGHT	VB	VAPOR BARRIER
HP	HIGH POINT	VERT	VERTICAL
HORIZ	HORIZONTAL	VEF	VERTICAL EACH FACE
HEF	HORIZONTAL EACH FACE	WB	WIND BRACE
IF	INSIDE FACE	WF	WELDED WIRE FABRIC
INT	INTERIOR	WFL	WIDE FLANGE
JBE	JOIST BEARING ELEVATION	W/	WITH
JT	JOINT	W/O	WITHOUT
JST	JOIST	WP	WORKING POINT
K or k	KIP=1000lbs	WS	WATER STOP
LB	POUND	WT	WEIGHT
LT WT	LIGHT WEIGHT	↔	MOMENT CONNECTION
LTL	LINTEL	↑	INDICATES SPAN DIRECTION
LL	LIVE LOAD	↓	OF METAL DECK
LONG	LONGITUDINAL		
LLH	LONG LEG HORIZONTAL		
LLV	LONG LEG VERTICAL		

CONSULTANTS

DCI, INC.
Civil Engineering
ROBBINS ENGINEERING
Structural Engineering



UNIVERSITY OF CENTRAL ARKANSAS
STONE DAM CREEK PEDESTRIAN BRIDGE
CONWAY, ARKANSAS

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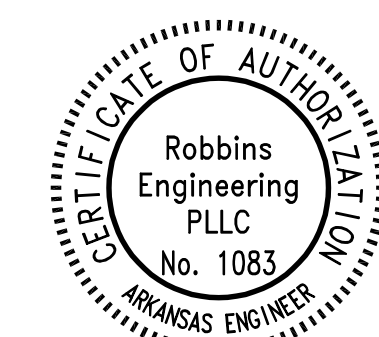
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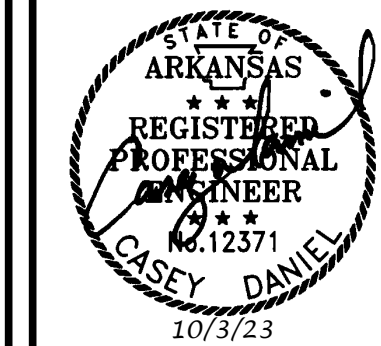
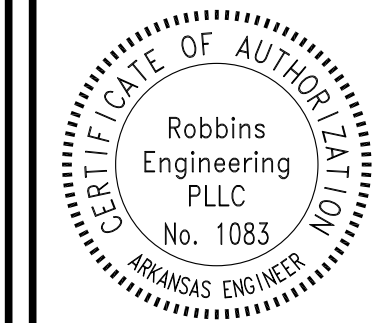
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CONWAY, ARKANSAS**

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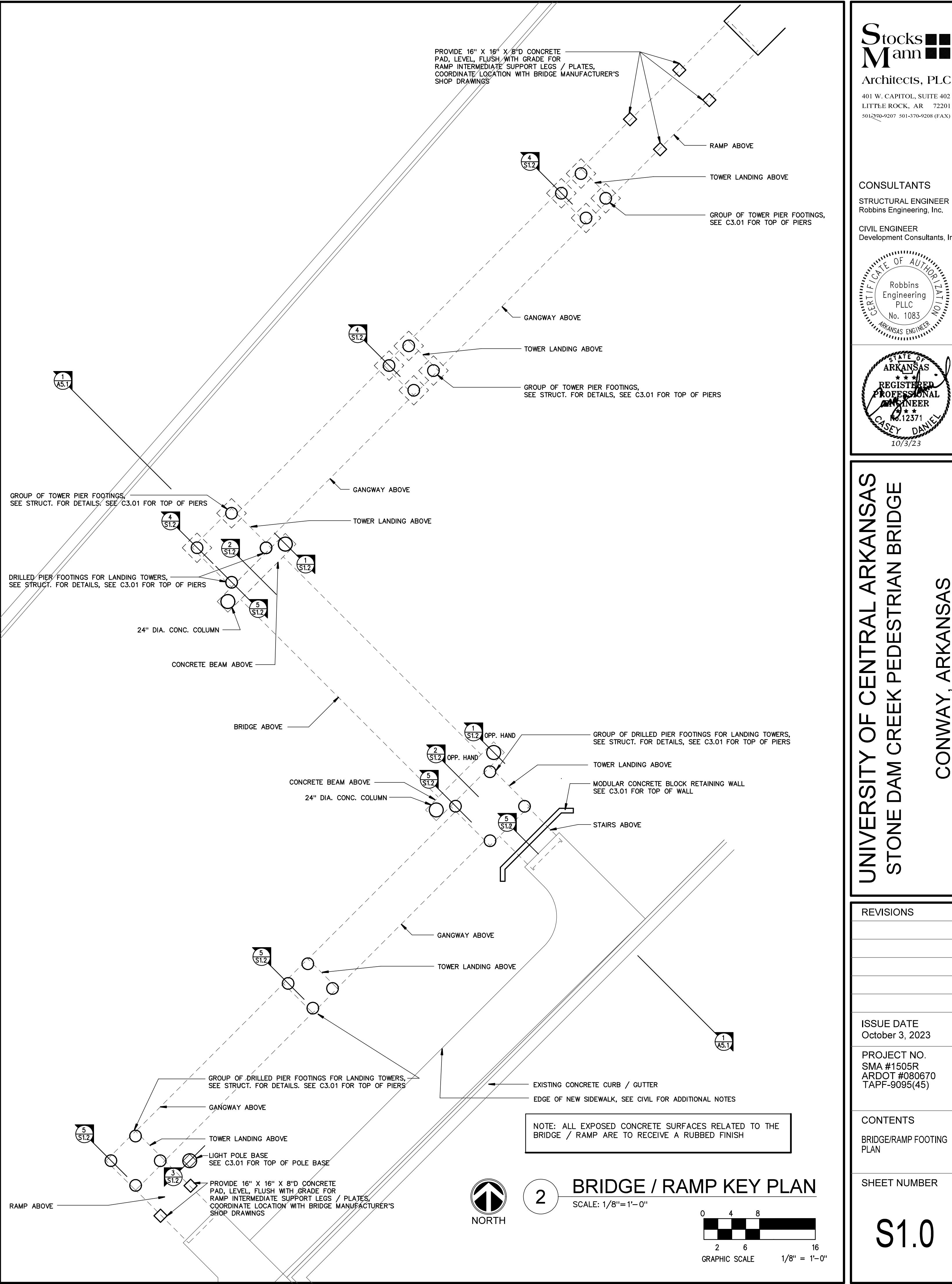
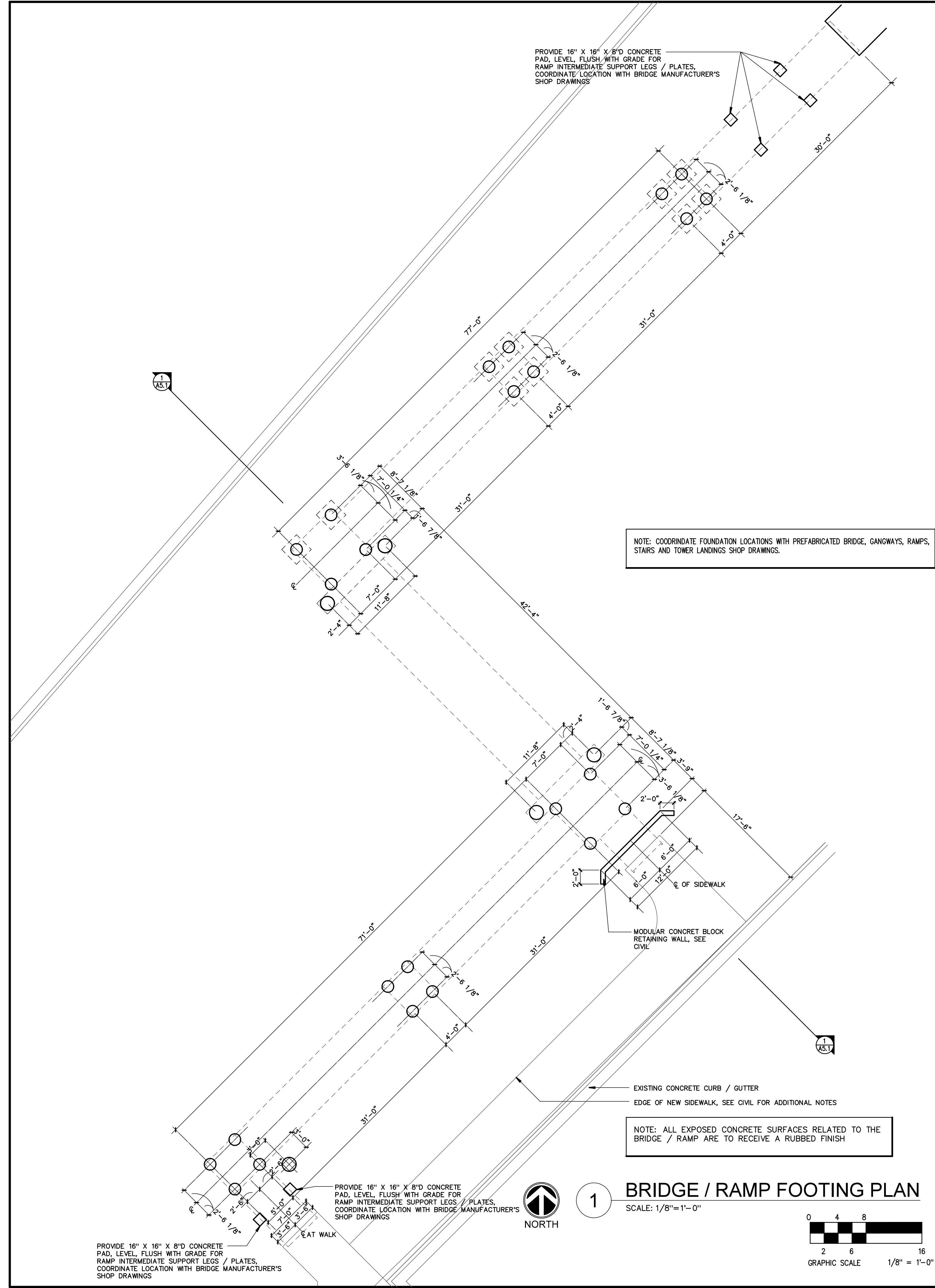
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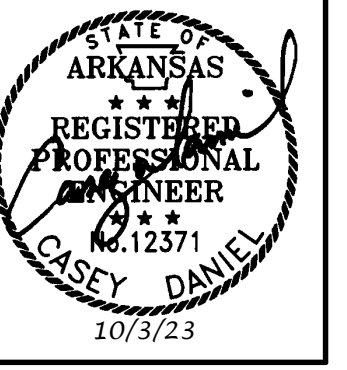
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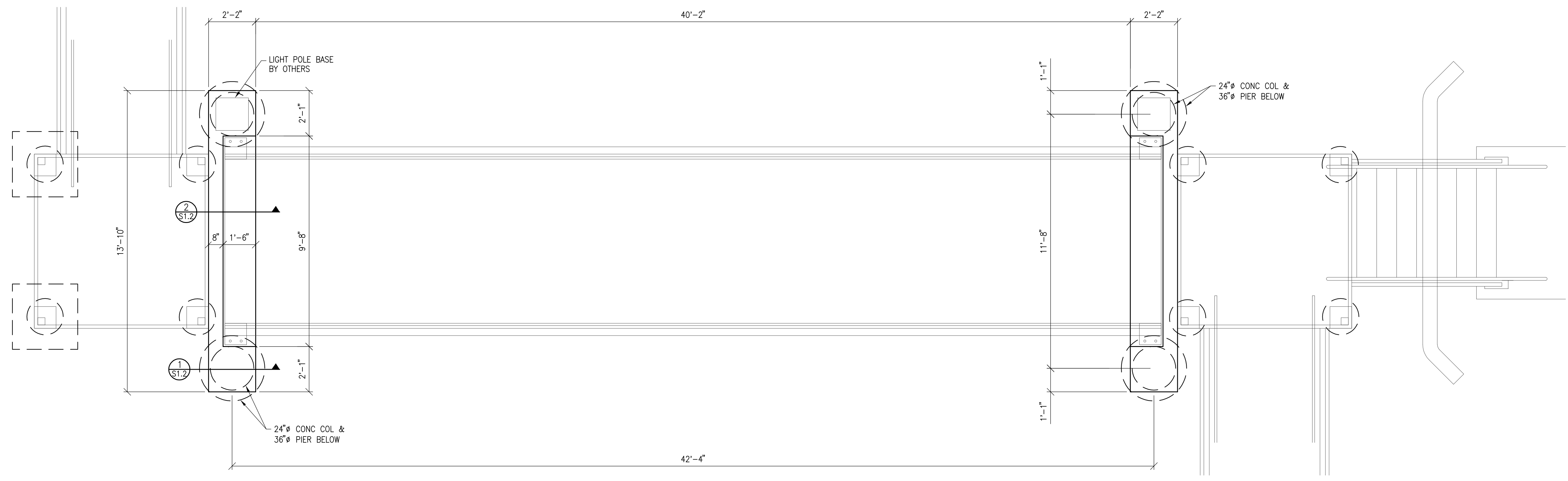
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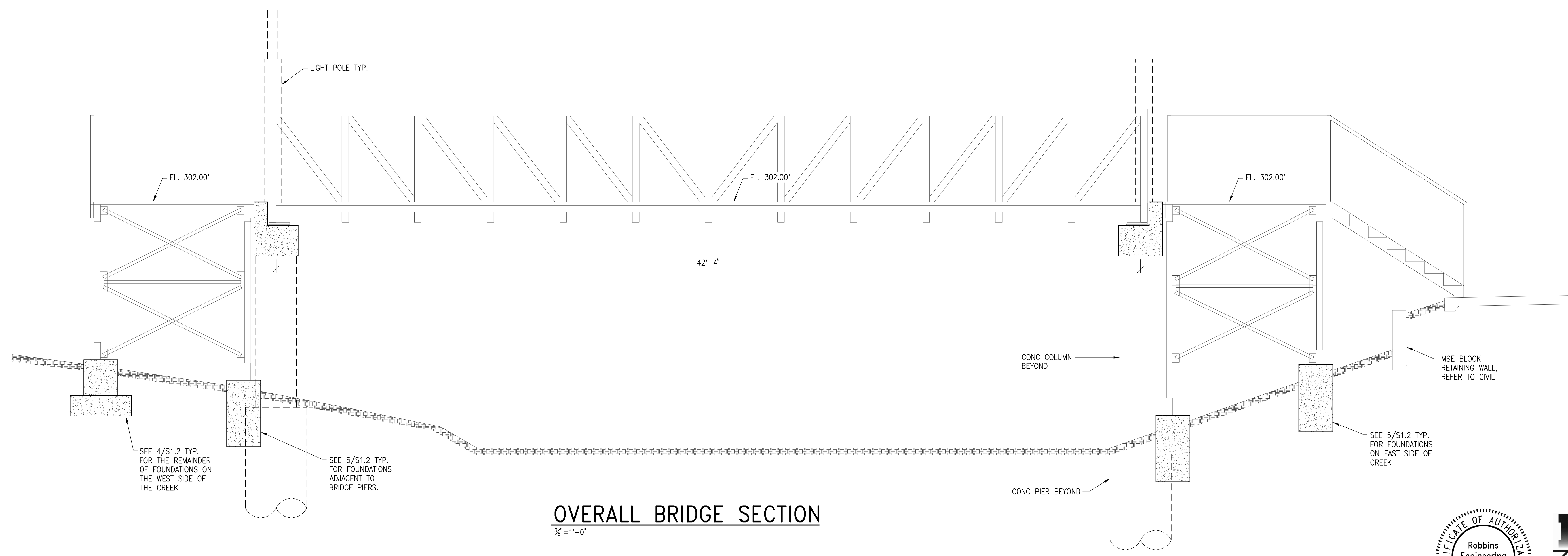
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FOUNDATION PLAN

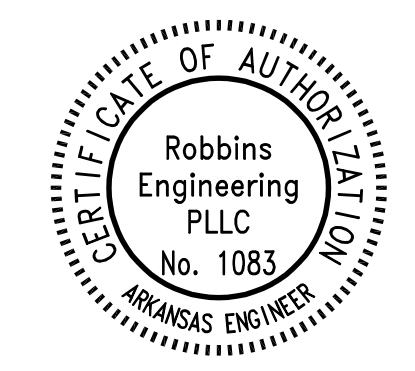
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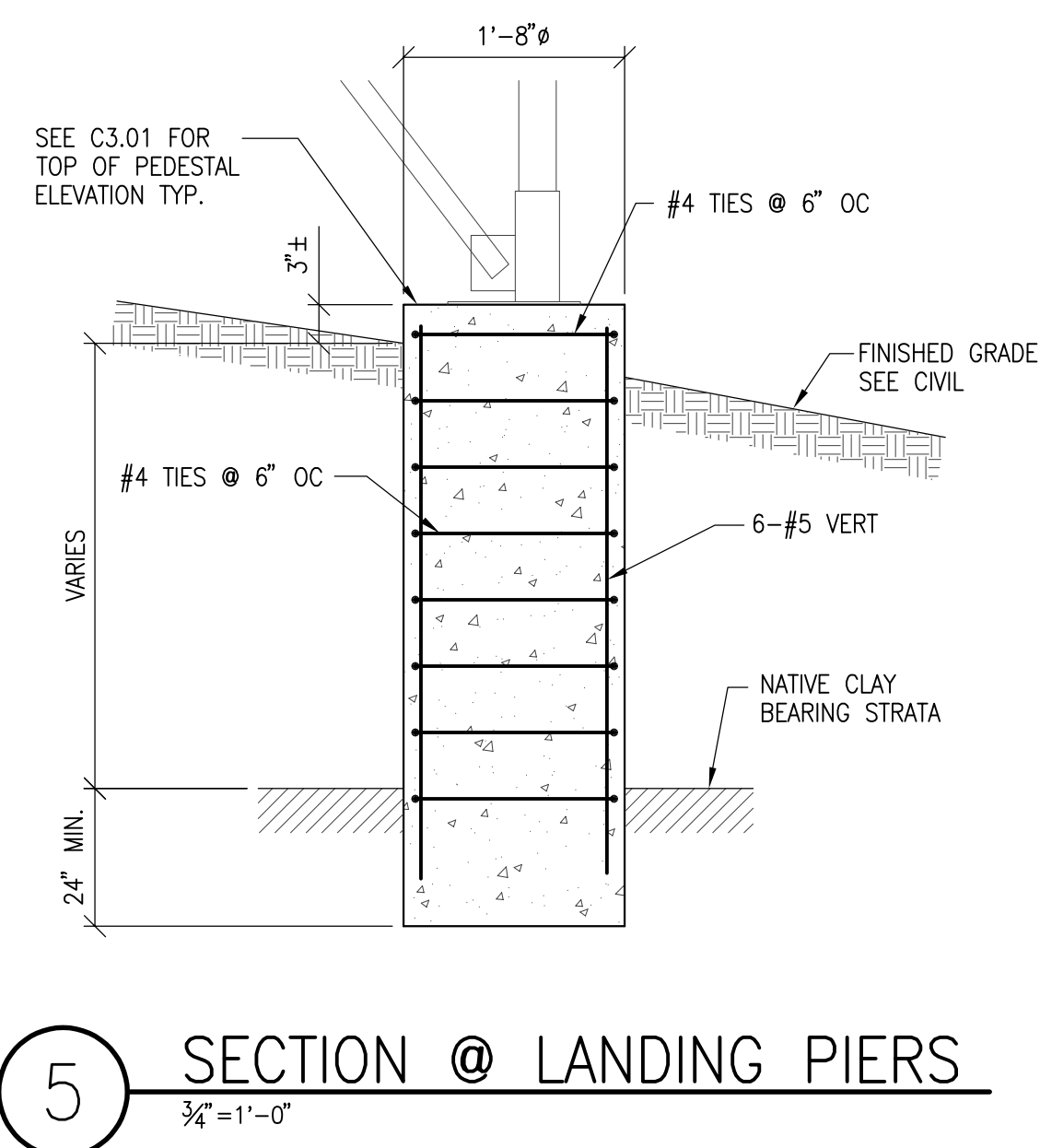
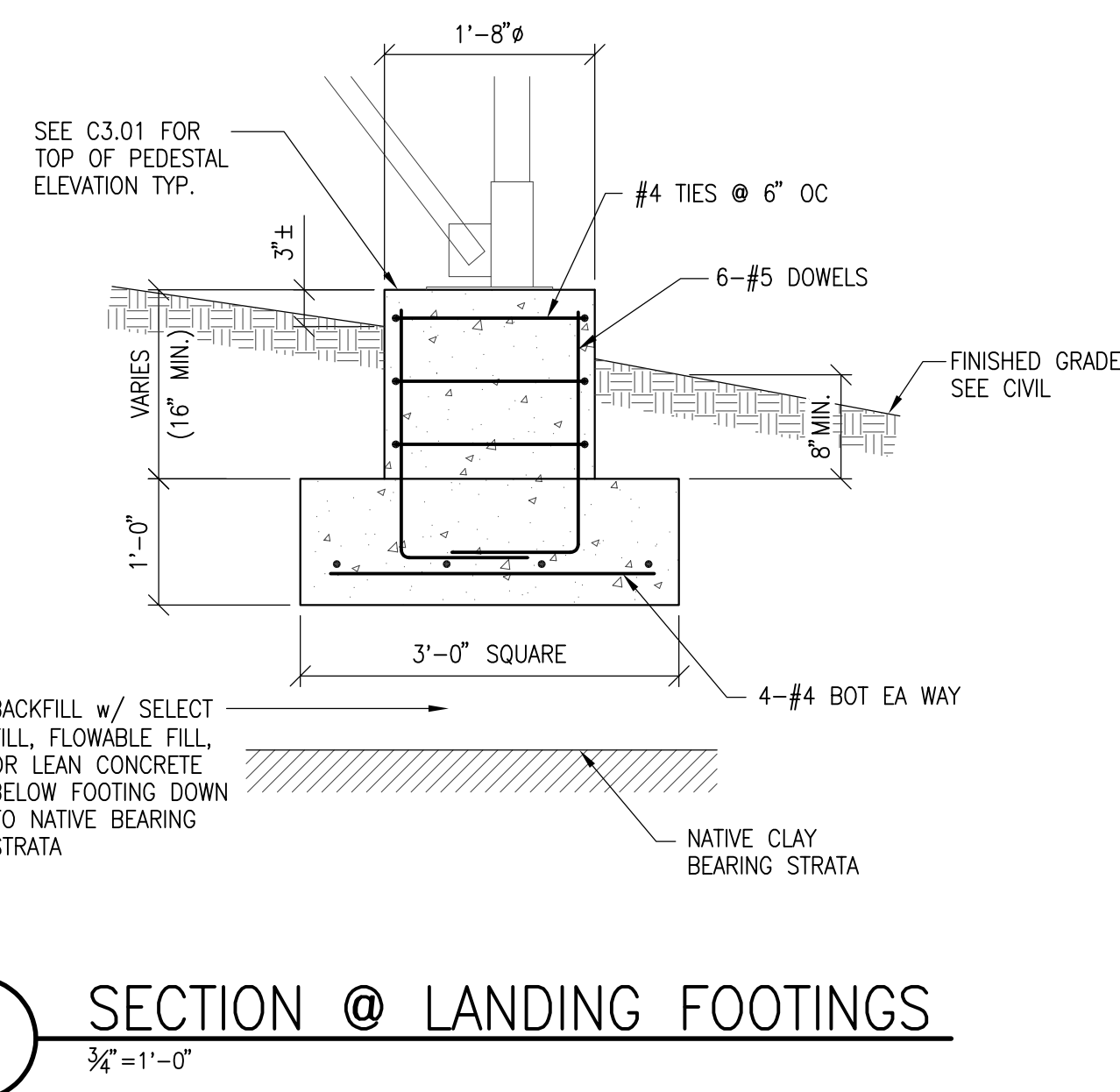
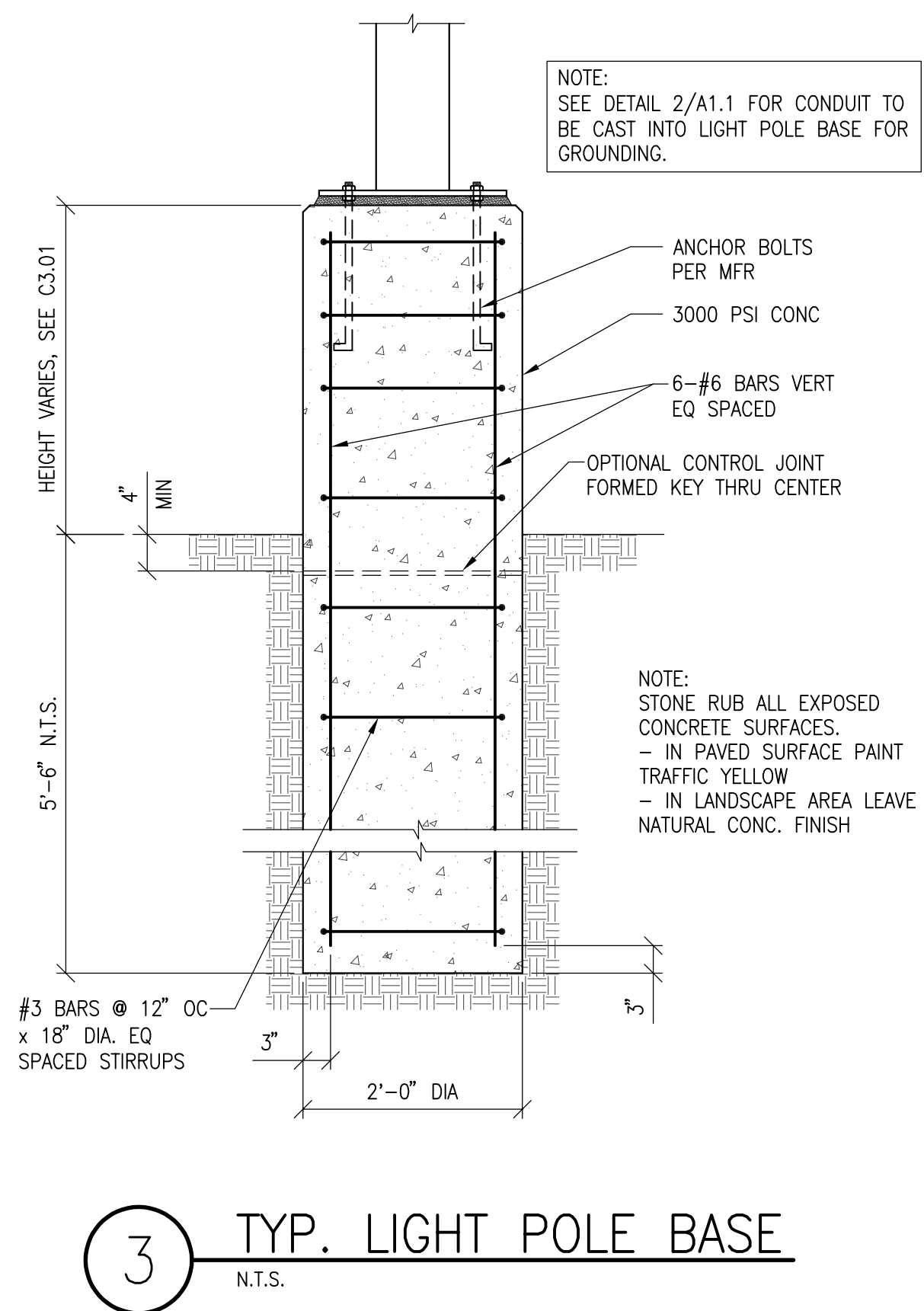
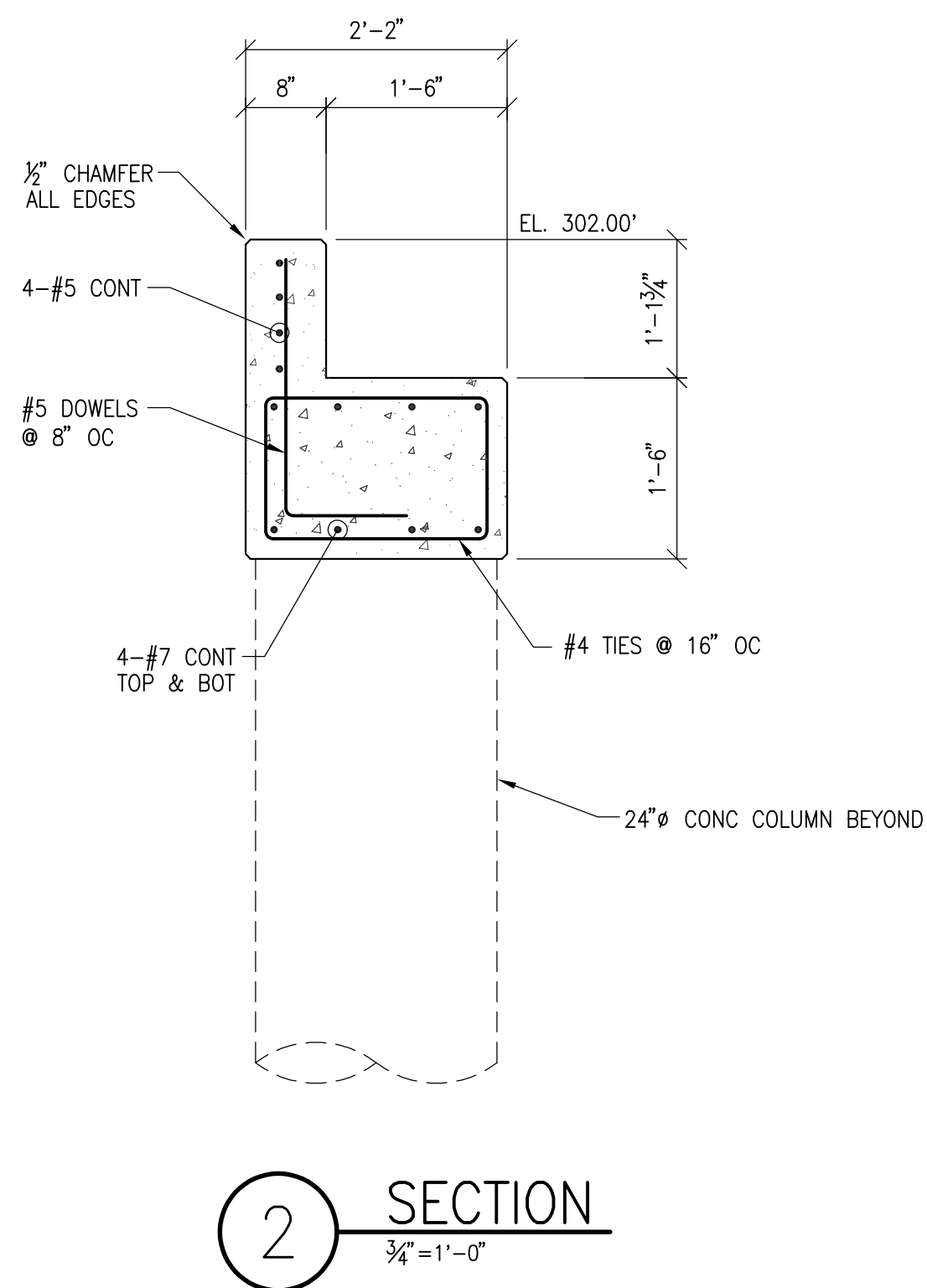
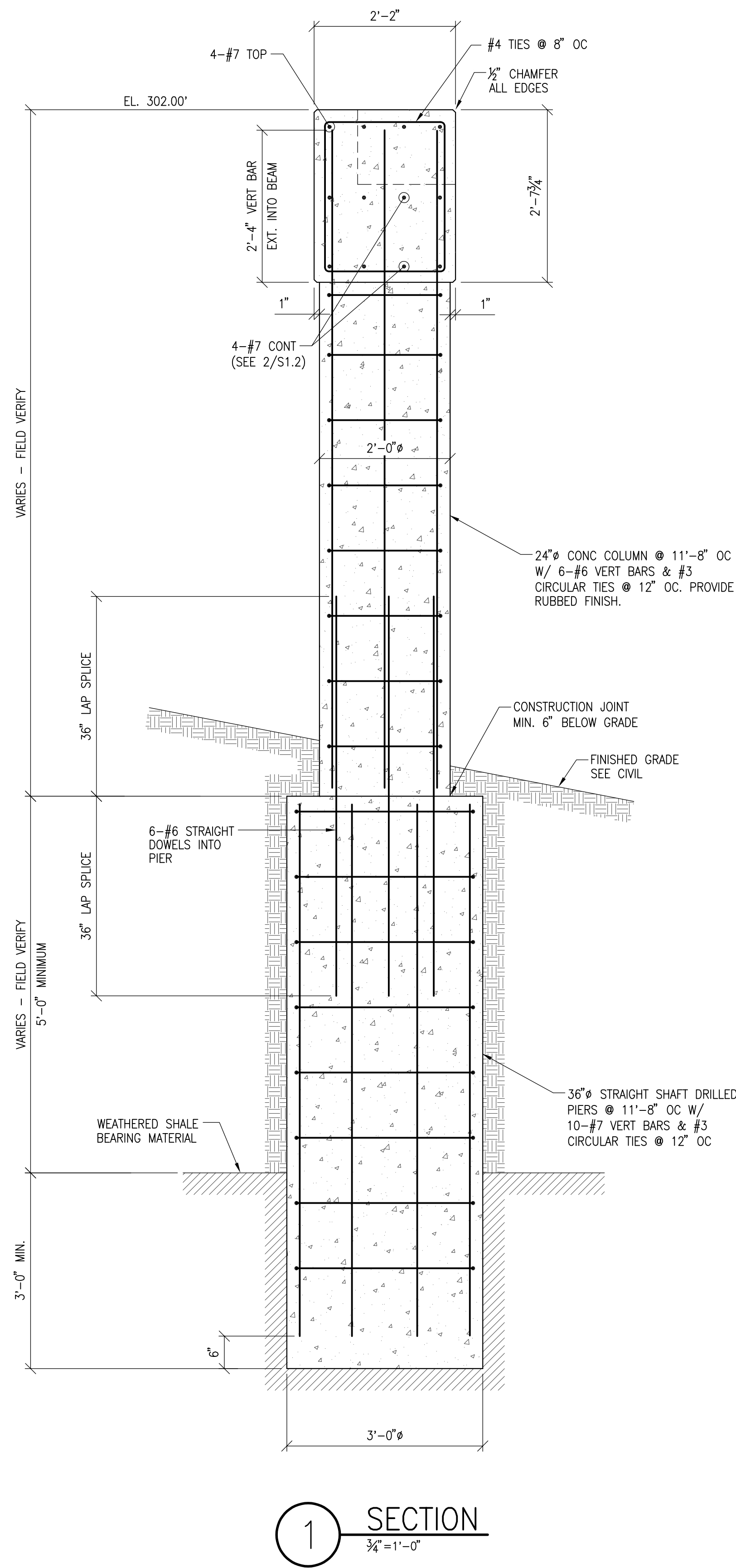


ENLARGED BRIDGE FOUNDATION PLAN
3/8" = 1'-0"



OVERALL BRIDGE SECTION
3/8" = 1'-0"





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