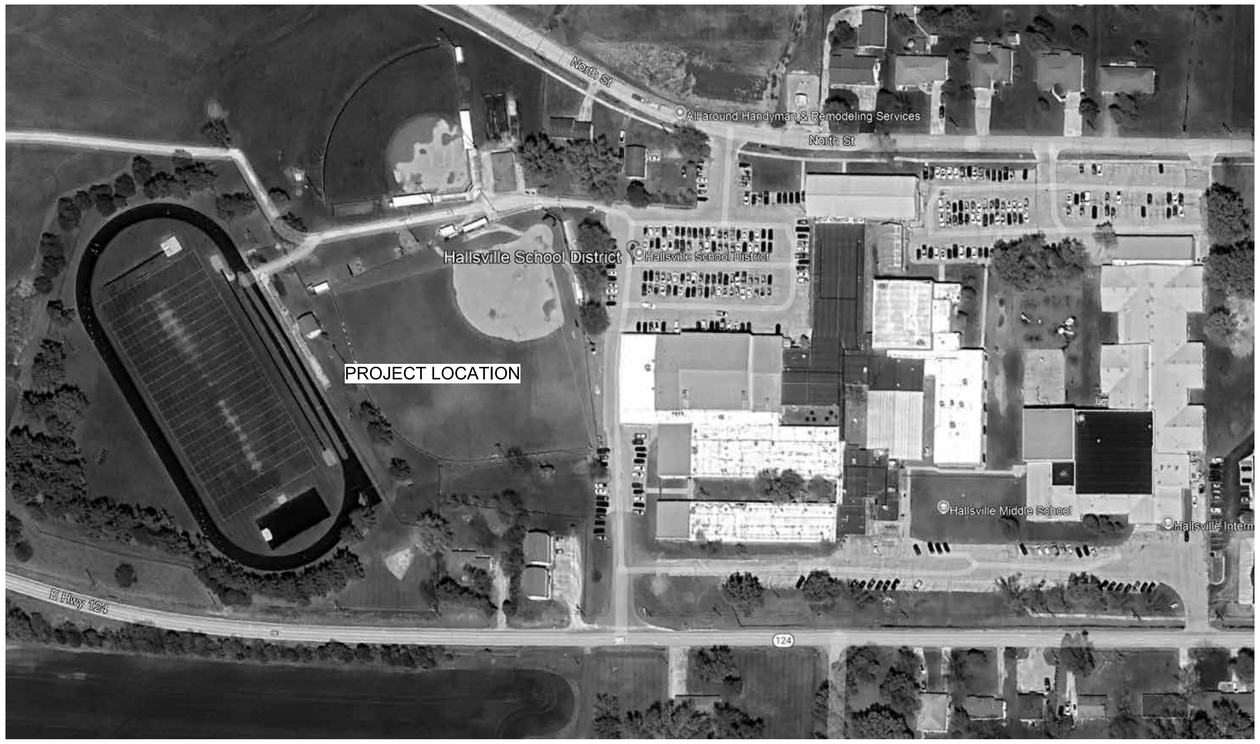
NEW ALL PURPOSE FIELD AND PARKING LOT
HALLSVILLE R-IV SCHOOL DISTRICT

411 E. HIGHWAY 124
HALLSVILLE, MO 65255

SCHOOL BOARD

CRAIG STEVENSON	PRESIDENT
JESSICA HASSLER	VICE PRESIDENT
SECLEY KENNEDY	TREASURER
ADA THARP	BOARD SECRETARY
KARA YEAGY	DIRECTOR OF COMMUNICATIONS
CHASE BUNGER	MEMBER
CHRISTOPHER MCLELAND	MEMBER
BRIAN MOTTAZ	MEMBER
TORRIE VROMAN	MEMBER
TYLER WALKER	SUPERINTENDENT

OWNER APPROVAL DATE
TYLER WALKER, SUPERINTENDENT



LOCATION MAP
N.T.S.

Know what's below.
Call before you dig.

---NOTE---
UTILITY INFORMATION IS FOR THE CONVENIENCE OF THE CONTRACTOR. BEFORE CONSTRUCTION BEGINS, THE CONTRACTOR SHALL CONTACT MISSOURI ONE CALL SYSTEM, INC. AT 811 OR 1-80-344-7483 AND THE INDIVIDUAL UTILITIES NOT INCLUDED IN THIS SYSTEM FOR THE LOCATION OF ALL EXISTING UTILITIES.

PROJECT NO. 24-5017

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N

KLINGNER & ASSOCIATES, P.C.
Engineers • Architects • Surveyors
Columbia, Missouri
3622 Endeavor Ave, Suite 117
573.355.5988
www.klingner.com

GENERAL NOTES

1. ALL DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
2. ANY DISCREPANCIES BETWEEN SPECIFICATIONS, DRAWINGS, AND/OR SITE CONDITIONS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
3. ALL AREAS DESIGNATED TO REMAIN UNDISTURBED SHALL BE PROTECTED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING THE LOCATION OF ALL PROPOSED IMPROVEMENTS, INCLUDING ROUGH AND FINISHED ELEVATIONS AND ALL OTHER PROPOSED IMPROVEMENTS INDICATED ON THE DRAWINGS.
5. THE CONTRACTOR SHALL VERIFY THAT ALL APPLICABLE LOCAL, STATE, & FEDERAL CODES ARE FOLLOWED. ALL APPLICABLE LOCAL AND STATE NOTIFICATIONS AND PERMITS SHALL BE ACQUIRED PRIOR TO CONSTRUCTION, INCLUDING ALL NECESSARY UTILITY CONNECTION PERMITS FROM THE RESPECTIVE UTILITIES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY UTILITIES AND SERVICES REQUIRED DURING CONSTRUCTION.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL REFERENCE POINTS, BENCHMARKS, MONUMENTS, STAKES, AND PROPERTY CORNERS DURING CONSTRUCTION. REPLACEMENT OF LOST REFERENCE POINTS SHALL BE AT THE CONTRACTORS EXPENSE.
8. REMOVE ALL STRUCTURES, FOUNDATIONS, WALLS, PAVEMENTS, AND ALL OTHER ITEMS IN CONFLICT WITH PROPOSED IMPROVEMENTS IN ACCORDANCE WITH THE SPECIFICATIONS.
9. REFERENCES TO "STANDARD SPECIFICATIONS" SHALL MEAN THE MISSOURI DEPARTMENT OF TRANSPORTATION, "MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION", LATEST EDITION.
10. THE MEANS OF THE WORK AND THE SAFETY OF THE CONTRACTOR'S EMPLOYEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
11. NO WORK SHALL BE PERFORMED BEYOND THE LIMITS OF CONSTRUCTION WITHOUT OWNER APPROVAL.
12. SITE CLEAN-UP SHALL BE PERFORMED ON A DAILY BASIS. SIDEWALKS, PARKING LOTS, ROADWAYS, AND THE PROJECT SITE SHALL BE KEPT CLEAN AT ALL TIMES. CONTROL DUST IN AND AROUND ALL WORK AND STAGING AREAS.
13. ALL OPEN EXCAVATIONS SHALL BE PROTECTED.
14. MAINTAIN POSITIVE DRAINAGE ON THE SITE THROUGHOUT THE PROJECT DURATION.
15. THE PROJECT SITE SHALL BE FENCED WITH A MINIMUM 6-FOOT HEIGHT TEMPORARY CHAIN LINK FENCE WITH TOP RAIL.
16. IF A DISCREPANCY IN THE SPOT ELEVATIONS IS NOTED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTING. IF THERE IS A DISCREPANCY BETWEEN THE SPOT ELEVATIONS AND CONTOURS, THE CONTOURS SHALL GOVERN.

PAVEMENT NOTES

1. PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MISSOURI DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, LATEST EDITION.
2. PROOF-ROLL SUBGRADE WITH A MINIMUM 25 TON G.V.W. TRUCK TO IDENTIFY AREAS OF SOFT OR UNSTABLE SUBGRADE. REMOVE AND REPLACE UNSTABLE AREAS WITH SUITABLE COMPACTED MATERIALS.
3. 1/2 INCH PREFORMED EXPANSION JOINT MATERIAL SHALL BE PLACED BETWEEN NEW PAVEMENT CONSTRUCTION AND THE FACES OF BUILDINGS AND STOOPS.
4. PAVEMENT MARKING SHALL NOT BEGIN UNTIL PAVEMENT SURFACE HAS BEEN POWER BROOMED AND HAND SWEPT AS NECESSARY TO REMOVE LOOSE MATERIALS AND DIRT; AND NOT BEFORE ADEQUATE CURING TIME HAS BEEN OBTAINED ON THE PAVEMENT.
5. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT, EDGE OF BUILDING, OR PROPERTY LINES UNLESS OTHERWISE NOTED. ALL RADII ARE TO BACK OF CURB.

EROSION CONTROL NOTES

1. EROSION CONTROL SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, THE DETAILS IN THESE PLANS, AND THE MISSOURI DNR STANDARDS.
2. THE EROSION CONTROL SHOWN ON THIS SET OF PLANS SHALL BE CONSIDERED THE MINIMUM ACCEPTABLE FOR THIS PROJECT. THERE MAY BE ADDITIONAL EROSION CONTROL REQUIRED DUE TO THE VARIOUS CONSTRUCTION TECHNIQUES, WHICH MAY BE USED. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AND MAINTAINING ALL THE RUNOFF FROM THE SITE, IN A MANNER WHICH KEEPS ALL SILT ON SITE.
3. A LAND DISTURBANCE CONSTRUCTION PERMIT IS REQUIRED SINCE MORE THAN 1 ACRE OF LAND WILL BE DISTURBED BY GRADING OPERATIONS.
4. ALL INLET PROTECTION AND TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED UPON COMPLETION OF PAVING OPERATIONS AND FINAL STABILIZATION OF LANDSCAPED AND SEED AREAS.

GRADING NOTES

1. TOPSOIL SHALL BE STRIPPED TO A DEPTH OF 6-9 INCHES WITHIN ALL PROPOSED BUILDING AND PAVEMENT AREAS AND STOCKPILED ON SITE FOR USE IN LANDSCAPE AREAS (COORDINATE WITH OWNER). IF ACCEPTABLE TOPSOIL IS NOT AVAILABLE ON SITE, THE CONTRACTOR SHALL PROVIDE IT TO A DEPTH OF 6 INCHES.
2. TOPSOIL SHALL BE LOAMY IN NATURE, FREE FROM HARD CLODS, STIFF CLAY, SOD, STONES, ROOTS, STICKS, AND OTHER DEBRIS OVER 1 INCH IN SIZE. TOPSOIL SHALL BE FREE OF TOXIC MATERIALS AND SHALL HAVE A pH RANGE BETWEEN 5.5 AND 7.0.
3. ALL EXCESS MATERIALS NOT USED FOR CONSTRUCTION OF THE PROJECT SHALL BE DISPOSED OFF SITE BY THE CONTRACTOR AT THE CONTRACTORS EXPENSE.
4. PROPOSED CONTOURS ARE INTENDED TO PROVIDE A MIN. 1% SLOPE IN PAVEMENT AREAS AND 2% IN TURFED AREAS. CONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING A SMOOTH UNIFORM DRAINING SURFACE THAT DOES NOT CREATE PONDING WATER OR SHARP BREAKS. CONTOURS OR ELEVATIONS THAT WILL NOT PROVIDE SUCH SURFACE SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER/ARCHITECT IMMEDIATELY.
5. FINAL ELEVATIONS INDICATED ARE THE FINISHED SURFACE ELEVATIONS, WHETHER GRASS, CONCRETE, PAVEMENT, OR MULCH. THE CONTRACTOR SHALL COORDINATE SUBGRADE ELEVATIONS TO ALLOW FOR PAVEMENT, CONCRETE OR MULCH DEPTHS.
6. ALL DISTURBED AREAS NOT WITHIN PAVEMENT & LANDSCAPE AREAS SHALL BE SEEDED PER THE SPECIFICATIONS. THE AREAS INDICATED TO BE SEEDED ON THIS PLAN ARE ESTIMATED DISTURBED AREAS. DISTURBED AREAS OUTSIDE OF THOSE INDICATED SHALL BE SEEDED REGARDLESS OF THE LIMITS INDICATED.
7. SLOPES 4:1 AND STEEPER SHALL RECEIVE A TEMPORARY EROSION CONTROL MAT PROVIDING PROTECTION FOR UP TO 12 MONTHS.

UTILITY NOTES

1. THE LOCATION OF EXISTING UTILITIES IN CONSTRUCTION AREAS SHALL BE FIELD VERIFIED BY THE CONTRACTOR BY CONTACTING THE MISSOURI ONE CALL SYSTEM, INC. OR THE INDIVIDUAL UTILITIES NOT PARTICIPATING IN THIS SYSTEM. EXISTING UTILITIES TO REMAIN SHALL BE PROTECTED. ANY REPAIR OR RELOCATION REQUIRED, AS A RESULT OF DAMAGE BY CONSTRUCTION ACTIVITIES SHALL BE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL PAY UTILITY PERMIT AND/OR INSPECTION FEES.
2. UTILITY TRENCHES WITHIN PAVEMENT AREAS SHALL BE BACKFILLED WITH APPROVED COMPACTED GRANULAR BACKFILL.
3. ALL ELECTRIC SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE, CURRENT VERSION.
4. ADJUST ALL VALVES, MANHOLES, CASTINGS, GAS VENTS, ETC., TO MATCH THE NEW SURFACE. ADJUSTMENT SHALL BE COORDINATED WITH THE UTILITY COMPANIES AND THE COST FOR ALL ADJUSTMENTS SHALL BE INCIDENTAL TO THE CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. REPAIR ANY DAMAGE TO SAID STRUCTURES AND APPURTENANCES THAT OCCUR DURING CONSTRUCTION.
5. THE DRAWINGS INDICATE THE BEST KNOWLEDGE OF THE OWNER AND ENGINEER/ARCHITECT ON THE GENERAL LOCATION AND NATURE OF THE EXISTING AND OR PROPOSED UNDERGROUND UTILITIES IN THE AREA OF CONSTRUCTION. EXPLORATORY EXCAVATIONS AT THE SITE TO DETERMINE INSITU LOCATIONS WERE NOT CONDUCTED. QUALITY LEVEL "C" IN ACCORDANCE WITH CI/ASCE 38-02, STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA, WAS UTILIZED. REGARDLESS OF THE LEVEL OF INVESTIGATION, THE UTILITIES SHOWN SHOULD NOT BE CONSIDERED A WARRANTY OR GUARANTEE OF ACTUAL PRESENCE OR LOCATION AND THE CONTRACTOR REMAINS RESPONSIBLE FOR THE LOCATION, VERIFICATION, AND PROPER NOTIFICATION OF POTENTIAL UTILITIES.

QUALITY LEVELS:

QUALITY LEVEL A - PROVIDES THE HIGHEST LEVEL OF ACCURACY. BY LOCATING OR POTHOLING UTILITIES IN ADDITION TO QUALITY LEVELS B, C, AND D TASKS. THE LOCATED UTILITY INFRASTRUCTURE IS SURVEYED AND MAPPED TO DEVELOP PLAN AND PROFILE INFORMATION.

QUALITY LEVEL B - INVOLVES DESIGNATING THE HORIZONTAL POSITION OF SUBSURFACE UTILITIES THROUGH SURFACE DETECTION METHODS AND RECORDING THE INFORMATION THROUGH A SURVEY METHOD. IN ADDITION TO QUALITY LEVEL C AND D TASKS.

QUALITY LEVEL C - INVOLVES SURVEYING VISIBLE SUBSURFACE UTILITY STRUCTURES SUCH AS MANHOLES, HAND-HOLES, UTILITY VALVES AND METERS, FIRE HYDRANTS, PEDESTALS AND UTILITY MARKERS, AND THEN CORRELATING THE INFORMATION WITH EXISTING UTILITY RECORDS TO CREATE COMPOSITE DRAWINGS. IN ADDITION TO QUALITY LEVEL D TASKS

QUALITY LEVEL D - INVOLVES COLLECTING DATA FROM EXISTING UTILITY RECORDS, THAT MAY INCLUDE AS-BUILT DRAWINGS, DISTRIBUTION AND SERVICE MAPS, EXISTING GEOGRAPHIC INFORMATION SYSTEM DATABASE, CONSTRUCTION PLANS, ETC. DATABASES, CONSTRUCTION PLANS, ETC.

CITY OF HALLSVILLE
202 HWY 124 EAST - HALLSVILLE, MO
SITE PLAN REVIEW INFORMATION

PROPERTY OWNERSHIP & ZONING REQUIREMENTS

OWNER NAME:	HALLSVILLE R-IV SCHOOL DISTRICT
PROJECT LOCATION:	421 MO-124 E, HALLSVILLE, MO.
TELEPHONE:	(573) 696-5512
OWNER CONTACT:	TYLER WALKER, SUPERINTENDENT
OWNER ADDRESS:	421 MO-124 E, HALLSVILLE, MO.

PROPERTY ZONING CLASSIFICATION: A-1- GENERAL AGRICULTURAL DISTRICT- PUBLIC BUILDINGS AND FACILITIES ARE PERMITTED IN THIS DISTRICT.

MIN. LOT AREA:	NA
FRONT YARD:	NA
SIDE YARDS REQUIRED:	NA
REAR YARD REQUIRED:	NA

ABBREVIATIONS

FL	FLOWLINE ELEVATION
TC	TOP OF CURB ELEVATION
GL	GUTTER LINE ELEVATION
TG	TOP OF GRATE ELEVATION
STA	STATION
FES	FLARED END SECTION
SWI	STORM WATER INLET
FFE	FINISH FLOOR ELEVATION
HP	HIGH POINT
LP	LOW POINT
TW	TOP OF WALL ELEVATION
BW	BOTTOM OF WALL ELEVATION
DS	DOWNSPOUT
EP	EDGE OF PAVEMENT ELEVATION
N.I.C.	NOT IN CONTRACT

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UTILITY INFORMATION:

WATER:
CITY OF HALLSVILLE: 573-696-3885
PWSD #4: 573-696-3511

ELECTRIC:
AMEREN MO, 1300 W LIBERTY ST., MEXICO, MO 65265
BRADY CUNNINGHAM, DISTRIBUTION DESIGN CONSULTANT, CENTRAL MISSOURI DIVISION
OFFICE: 573-473-5063
CELL: 573-220-6202

NATURAL GAS:
AMEREN MO:
DAVID HAGENHOFF: 573-876-3030
dhagenhoff@ameren.com

SEWER:
MISSOURI AMERICAN WATER: 1-866-430-0820

COMMUNICATIONS:
MARK MCFERREN, OSP ENGINEER
BLUEBIRD NETWORK, LLC
800 NW CHIPMAN RD.
STE 5750
LEES SUMMIT, MO 64063
CELL: 816-716-4514
mark.mcferren@@bluebirdnetwork.com

LEGEND

EXISTING	PROPOSED	
		PROPERTY LINE
		LOT LINE
		RIGHT OF WAY LINE
		CENTERLINE
		EASEMENT
		BUILDING SETBACK
		CONSTRUCTION LIMITS
X	X	FENCE LINE
O	O	CHAIN LINK FENCE
□	□	FENCE W/ SQUARE POSTS
		STREAM
		STRUCTURE
		PAVEMENT MARKINGS
		EDGE OF PAVEMENT
		CURB AND GUTTER
		RAILROAD TRACKS
W	W	WATER LINE
FP	FP	FIRE PROTECTION
G	G	GAS LINE
OE	OE	OVERHEAD ELECTRIC
UE	UE	UNDERGROUND ELECTRIC
OT	OT	OVERHEAD TELEPHONE
UT	UT	UNDERGROUND TELEPHONE
CATV	CATV	CABLE TELEVISION
FO	FO	FIBER OPTIC
COM	COM	COMMUNICATION LINE
ST	ST	STORM SEWER
SAN	SAN	SANITARY SEWER
FM	FM	FORCE MAIN
	ST-SAN	COMBINED SEWER
IR	IR	IRRIGATION SYSTEM
		MAST ARM SIGNAL (3 SIGNALS)
		MAST ARM SIGNALS (2 SIGNALS)
		UTILITY TRAFFIC SIGN
		SIGN
		MANHOLE
		STORM WATER INLET
C/O	C/O	CATCH BASIN
		CLEANOUT
		CULVERT
		BOX CULVERT
		WATER VALVE
		FIRE HYDRANT
PIV	PIV	POST INDICATOR VALVE
W	W	WATER METER
		GAS VALVE
G	G	GAS METER
T	T	TELEPHONE PEDESTAL
TV	TV	CABLE TV PEDESTAL
E	E	ELECTRIC METER
		UTILITY POLE
		LIGHT STANDARD
		LIGHT POLE
		GUY WIRE
		SUMMIT / HIGH POINT
601		CONTOURS
600		INDEX CONTOURS
		DIRECTION OF DRAINAGE
+600.00	600.00	SPOT ELEVATION
		DECIDUOUS SHRUB
		DECIDUOUS TREE
		CONIFEROUS SHRUB
		CONIFEROUS TREE

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

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Gateshburg, IL Bella Vista, AR
616 North 24th Street
217 223 3670

REVISION HISTORY

MARK	DESCRIPTION	DATE	APPR
1			

ISSUED FOR 10/30/2025
90% CD REVIEW

PRELIMINARY NOT FOR CONSTRUCTION

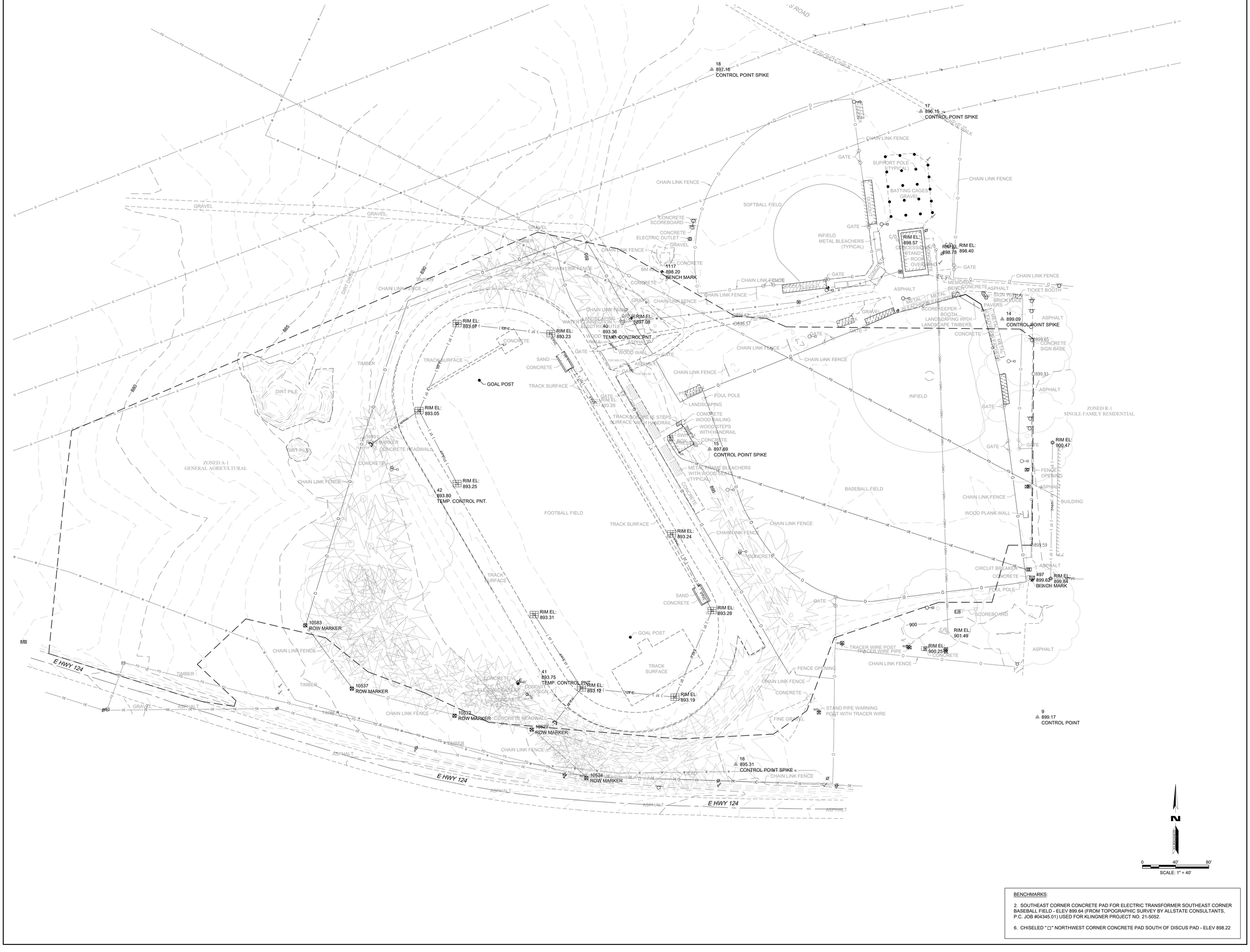
NEW ALL PURPOSE FIELD AND PARKING LOT
HALLSVILLE R-IV SCHOOLD DISTRICT
411 E. HIGHWAY 124
HALLSVILLE, MO 65255

Non-Reduced Sheet Size: 30" x 42"
Full sized plans have been prepared using standard scales. Reduced size plans may not conform to standard scales.

DESIGNED DCD	DRAWN DCD/DDR
FIELD MWJ/TGH	FIELD BOOK H25/35
CHECKED	CHECK DATE

SHEET TITLE
GENERAL NOTES & LEGEND

PROJECT NO. 24-5017
DRAWING ISSUED DATE: 10/30/2025
SHEET
C001



N

0 40' 80'

SCALE: 1" = 40'

BENCHMARKS:

2. SOUTHEAST CORNER CONCRETE PAD FOR ELECTRIC TRANSFORMER SOUTHEAST CORNER BASEBALL FIELD - ELEV 899.64 (FROM TOPOGRAPHIC SURVEY BY ALLSTATE CONSULTANTS, P.C. JOB #04345.01) USED FOR KLINGNER PROJECT NO. 21-5052.

6. CHISELED "□" NORTHWEST CORNER CONCRETE PAD SOUTH OF DISCUS PAD - ELEV 898.22

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CHECKED	CHECK DATE

SHEET TITLE

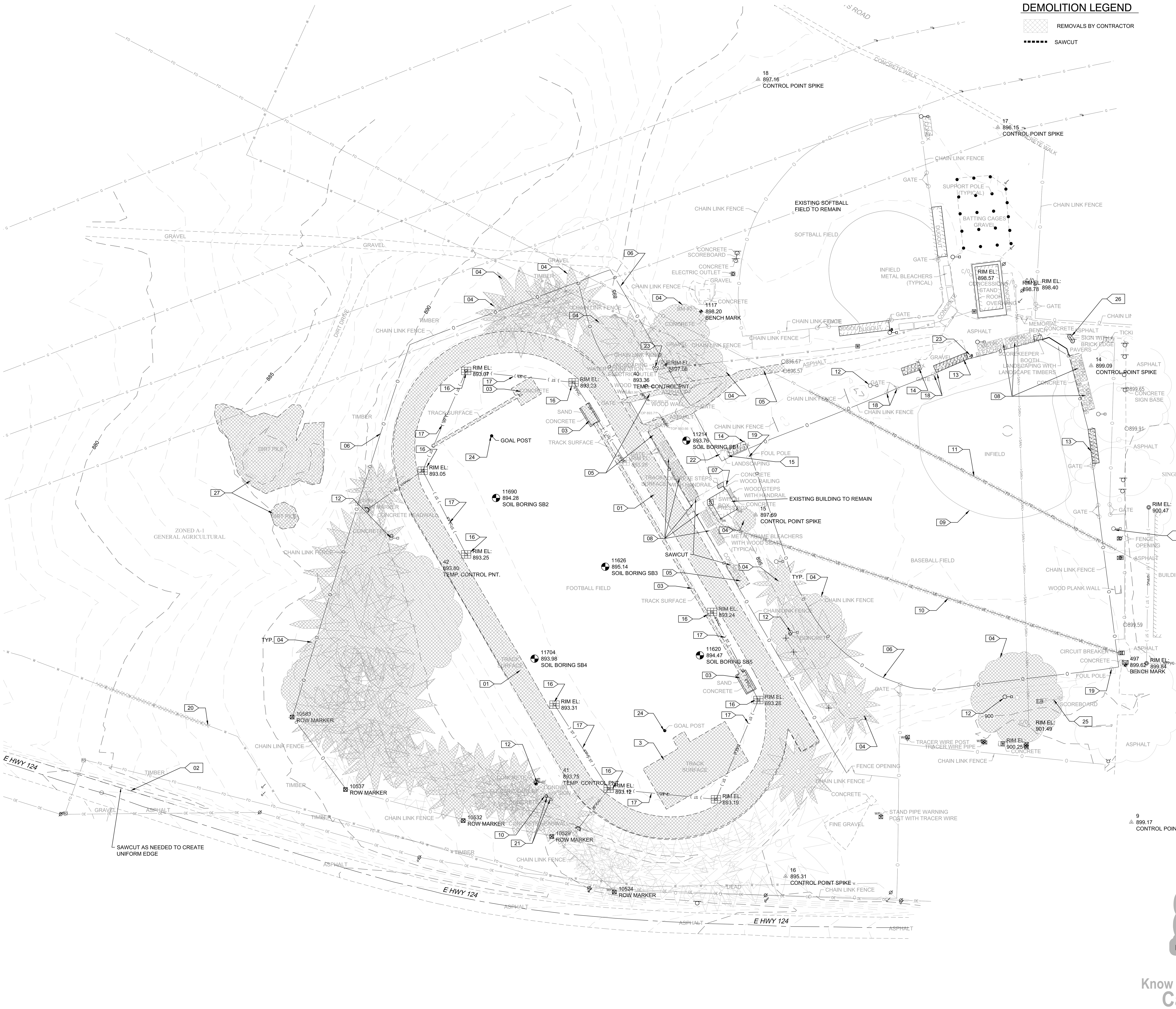
EXISTING CONDITIONS PLAN

PROJECT NO. 24-5017

DRAWING ISSUED DATE: 10/30/2025

SHEET

C100



DEMOLITION NOTES

1. ALL REMOVALS SHALL BE COORDINATED WITH THE PHASING OF THE SITE.
2. REMOVE ALL EXISTING TREES, PAVEMENTS, CURBS, WALLS, LANDSCAPING, AND ALL OTHER EXISTING SITE FEATURES IN CONFLICT WITH PROPOSED IMPROVEMENTS.
3. COORDINATE UTILITY REMOVALS AND/OR RELOCATIONS WITH THE RESPECTIVE UTILITY COMPANIES, SM WILSON, HALLSVILLE R-IV SCHOOL DISTRICT AND /OR THE CITY OF HALLSVILLE.
4. DEMOLITION SHALL INCLUDE REMOVAL & PROPER DISPOSAL OF MATERIALS.
5. CONTRACTOR TO PAY ALL PERMIT & DISPOSAL FEES.
6. ALL WORK ON HWY 124 RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH MODOT REQUIREMENTS AND PERMIT.

SITE DEMOLITION KEY NOTES:

01 REMOVE TRACK INCLUDING SURFACE AND BASE COURSES.
02 SAWCUT AND REMOVE PAVEMENT AND BASE COURSE, AS REQUIRED TO ACHIEVE PROPOSED GRADES.
03 REMOVE JUMPING EVENTS INCLUDING SURFACE AND BASE COURSES.
04 REMOVE TREE, STUMP AND ROOT BALL.
05 REMOVE SIDEWALK TO NEAREST JOINT. SAWCUT AS NECESSARY TO PROVIDE A UNIFORM EDGE.
06 REMOVE CHAIN LINK FENCE.
07 STAIRS, PLATFORMS AND FOUNDATIONS TO REMAIN.
08 REMOVE BLEACHERS AND SALVAGE TO OWNER.
09 REMOVE BASEBALL FIELD AND SALVAGE EQUIPMENT TO OWNER.
10 REMOVE EXISTING UNDERGROUND ELECTRIC.
11 RELOCATE/REROUTE EXISTING FIBEROPTIC.
12 REMOVE EXISTING LIGHT POLE AND CONCRETE BASE. SALVAGE POLE FOR REUSE
13 REMOVE DUGOUT AND FOUNDATIONS.
14 RELOCATE STORAGE BUILDING- COORDINATE WITH OWNER FOR LOCATION.
15 REMOVE LANDSCAPING
16 REMOVE INLET
17 REMOVE STORM SEWER
18 REMOVE POST AND FOUNDATION
19 REMOVE FOUL POLE AND FOUNDATION
20 LOWER WATER MAIN THROUGH LIMITS OF GRADING - MAINTAIN 4'-0" MIN. COVER.
21 REMOVE SIGN
22 REMOVE FLAG POLE, FOUNDATION & LANDSCAPING. SALVAGE FLAG POLE FOR RELOCATION
23 REMOVE HYDRANT & SALVAGE FOR RELOCATION.
24 REMOVE GOAL POST
25 REMOVE SCOREBOARD AND SALVAGE FOR RELOCATION
26 REMOVE SIGN AND SALVAGE TO OWNER
27 REMOVE GRAVEL AND DEBRIS PILES

BENCHMARKS:

2. SOUTHEAST CORNER CONCRETE PAD FOR ELECTRIC TRANSFORMER SOUTHEAST CORNER BASEBALL FIELD - ELEV 899.64 (FROM TOPOGRAPHIC SURVEY BY ALLSTATE CONSULTANTS, P.C. JOB #04345.01) USED FOR KLINGNER PROJECT NO. 21-5052.

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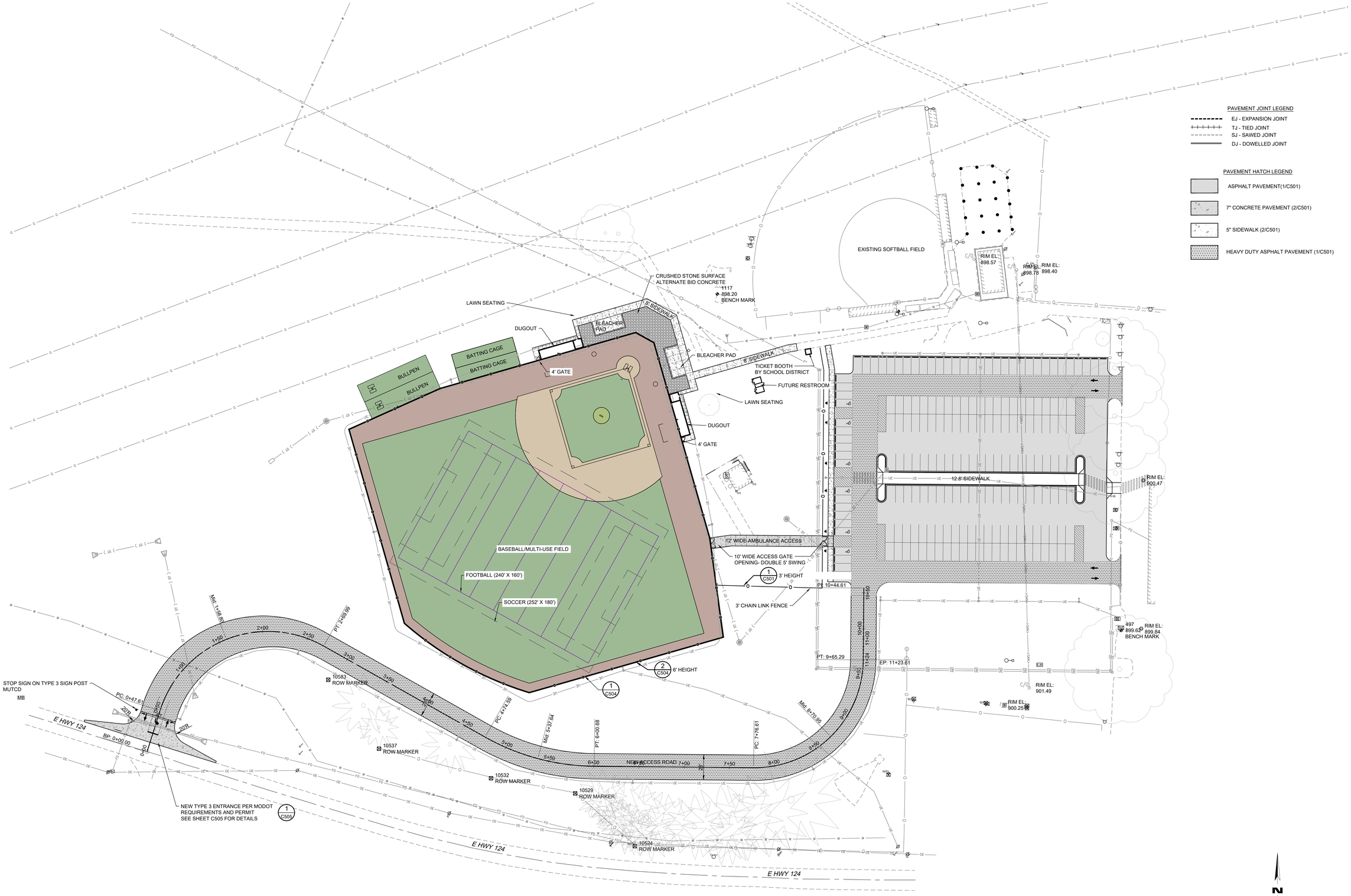
DESIGNED	DRAWN
DCD	DCD/DDR
FIELD	FIELD BOOK
MWJ/TGH	H25/35
CHECKED	CHECK DATE
.	.

SHEET TITLE
SITE DEMOLITION PLAN

PROJECT NO.
24-5017

DRAWING ISSUED DATE:
10/30/2025

SHEET
CD101



PAVEMENT JOINT LEGEND

- EJ - EXPANSION JOINT
- TJ - TIED JOINT
- SJ - SAWED JOINT
- DJ - DOWELLED JOINT

PAVEMENT HATCH LEGEND

- ASPHALT PAVEMENT(1/C501)
- 7" CONCRETE PAVEMENT (2/C501)
- 5" SIDEWALK (2/C501)
- HEAVY DUTY ASPHALT PAVEMENT (1/C501)

BENCHMARKS:

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411 E. HIGHWAY 124
HALLSVILLE, MO 65255

Non-Reduced Sheet Size: 30" x 42"

Full sized plans have been prepared using standard scales. Reduced size plans may not conform to standard scales.

DESIGNED DCD	DRAWN DCD/DDR
FIELD MWJ/TGH	FIELD BOOK H25/35
CHECKED	CHECK DATE

SHEET TITLE

OVERALL SITE PLAN

PROJECT NO. 24-5017

DRAWING ISSUED DATE: 10/30/2025

SHEET

C101

PAVEMENT JOINT LEGEND
EJ - EXPANSION JOINT
TJ - TIED JOINT
SJ - SAWED JOINT
DJ - DOWELLED JOINT
PAVEMENT HATCH LEGEND
ASPHALT PAVEMENT(1/C501)
7" CONCRETE PAVEMENT (2/C501)
5" SIDEWALK (2/C501)
HEAVY DUTY ASPHALT PAVEMENT (1/C501)
TURF HATCH LEGEND
INFIELD/OUTFIELD (COLOR:???)
INFIELD (COLOR: ???)
PERIMETER TURF (COLOR: ???)
STENCILED FOOTBALL LINES
STENCILED SOCCER LINES
BULLPEN
BULLPEN
BATTING CAGE
BATTING CAGE
4' SIDEWALK
6.00'
DUGOUT
4' GATE
COACHES BOX
BLEACHER PAD
CONCOURSE AGGREGATE BASE BID CONCRETE ALT. BID
6' SIDEWALK
ON DECK CIRCLE 5'Ø
ON DECK CIRCLE 5'Ø
1117
898.20
BENCH MARK
8' SIDEWALK
TICKET BOOTH BY OWNER
FUTURE RESTROOM
4' SIDEWALK
4' GATE
COACHES BOX
DUGOUT
R95'
R9'
60.5'
90'
90'
90'
90'
35'
35'
25'
15'
20'
5'
3'
375'
BASEBALL/MULTI-USE FIELD
FOOTBALL
SOCCER
12' AMBULANCE ACCESS
DOUBLE GATE (10' WIDE OPENING)
DOUBLE GATE (10' WIDE OPENING)
1 C102
1 C502
1 C504
2 C504
1300 LF
6"
6"
4'
3'
3'
8'
43"
17"
8 1/2"
8 1/2"
HOME PLATE
24"
6"
PITCHERS BLOCK
1 CATCHERS BOX AND BATTERS BOX
N.T.S.
Δ=101°56'
T=154.17'
R=125.000'
L=222.38'
CD=194.19'
E=154.17'
NEW ACCESS ROAD (SEE SHEET C104)
NEW ACCESS ROAD
10583
ROW MARKER
10537
ROW MARKER
Δ=028°54'
T=64.42'
R=250.000'
L=126.09'
CD=124.76'
E=64.42'
SEE SHEET C104 FOR ROAD PLAN AND PROFILE
N
0 20' 40'
SCALE: 1" = 20'

BENCHMARKS:

2. SOUTHEAST CORNER CONCRETE PAD FOR ELECTRIC TRANSFORMER SOUTHEAST CORNER BASEBALL FIELD - ELEV 899.64 (FROM TOPOGRAPHIC SURVEY BY ALLSTATE CONSULTANTS, P.C. JOB #04345.01) USED FOR KLINGNER PROJECT NO. 21-5052.

6. CHISELED "□" NORTHWEST CORNER CONCRETE PAD SOUTH OF DISCUS PAD - ELEV 898.22

KLINGNER & ASSOCIATES, P.C.
Engineers • Architects • Surveyors
www.klingner.com
Quincy, Illinois
616 North 24th Street
217.223.3670
Hannibal, MO Burlington, IA
Galesburg, IL Pella, IA Davenport, IA,
Columbia, MO Carbondale, IL

REVISION HISTORY

MARK	DESCRIPTION	DATE	APPR
△	.	.	.

ISSUED FOR 10/30/2025

90% CD REVIEW

PRELIMINARY NOT FOR CONSTRUCTION

NEW ALL PURPOSE FIELD AND PARKING LOT

HALLSVILLE R-IV SCHOOLD DISTRICT
411 E. HIGHWAY 124
HALLSVILLE, MO 65255

Non-Reduced Sheet Size: 30" x 42"

Full sized plans have been prepared using standard scales. Reduced size plans may not conform to standard scales.

DESIGNED	DRAWN
DCD	DCD/DDR
FIELD: MWJ/TGH	FIELD BOOK: H25/35
CHECKED: .	CHECK DATE: .

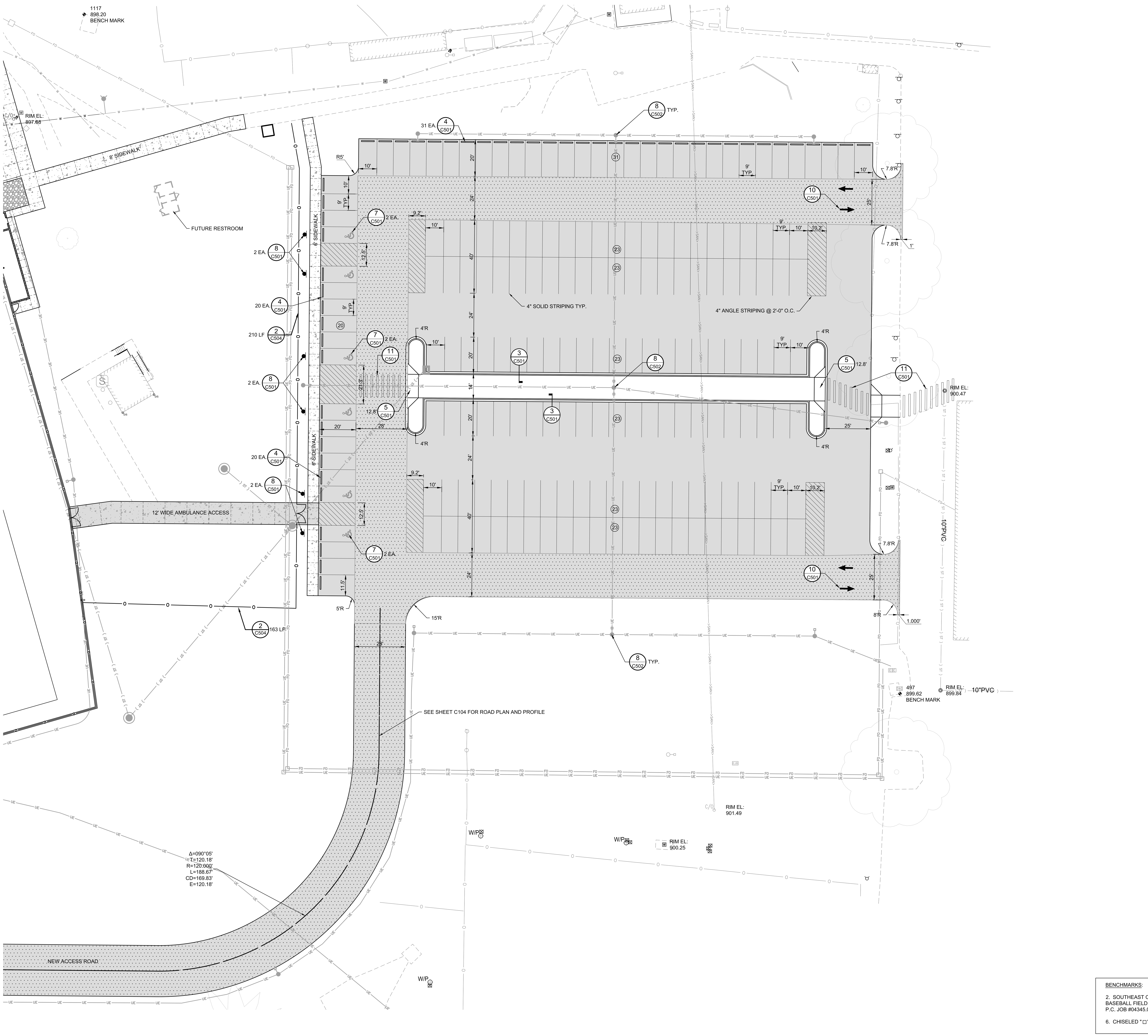
SHEET TITLE

ENLARGED FIELD SITE PLAN

PROJECT NO.
24-5017

DRAWING ISSUED DATE:
10/30/2025

SHEET
C102



PAVEMENT JOINT LEGEND

- EJ - EXPANSION JOINT
- TJ - TIED JOINT
- SJ - SAWED JOINT
- DJ - DOWELLED JOINT

PAVEMENT HATCH LEGEND

- ASPHALT PAVEMENT(1/C501)
- 7" CONCRETE PAVEMENT (2/C501)
- 5" SIDEWALK (2/C501)
- HEAVY DUTY ASPHALT PAVEMENT (1/C501)

N

0 20' 40'

SCALE: 1" = 20'

BENCHMARKS:

2. SOUTHEAST CORNER CONCRETE PAD FOR ELECTRIC TRANSFORMER SOUTHEAST CORNER BASEBALL FIELD - ELEV 899.64 (FROM TOPOGRAPHIC SURVEY BY ALLSTATE CONSULTANTS, P.C. JOB #04345.01) USED FOR KLINGNER PROJECT NO. 21-5052.

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REVISION HISTORY

MARK	DESCRIPTION	DATE	APPR
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ISSUED FOR 10/30/2025

90% CD REVIEW

PRELIMINARY NOT FOR CONSTRUCTION

NEW ALL PURPOSE FIELD AND PARKING LOT

HALLSVILLE R-IV SCHOOLD DISTRICT
411 E. HIGHWAY 124
HALLSVILLE, MO 65255

Non-Reduced Sheet Size: 30" x 42"

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DESIGNED DCD	DRAWN DCD/DDR
FIELD MWJ/TGH	FIELD BOOK H25/35
CHECKED .	CHECK DATE .

SHEET TITLE

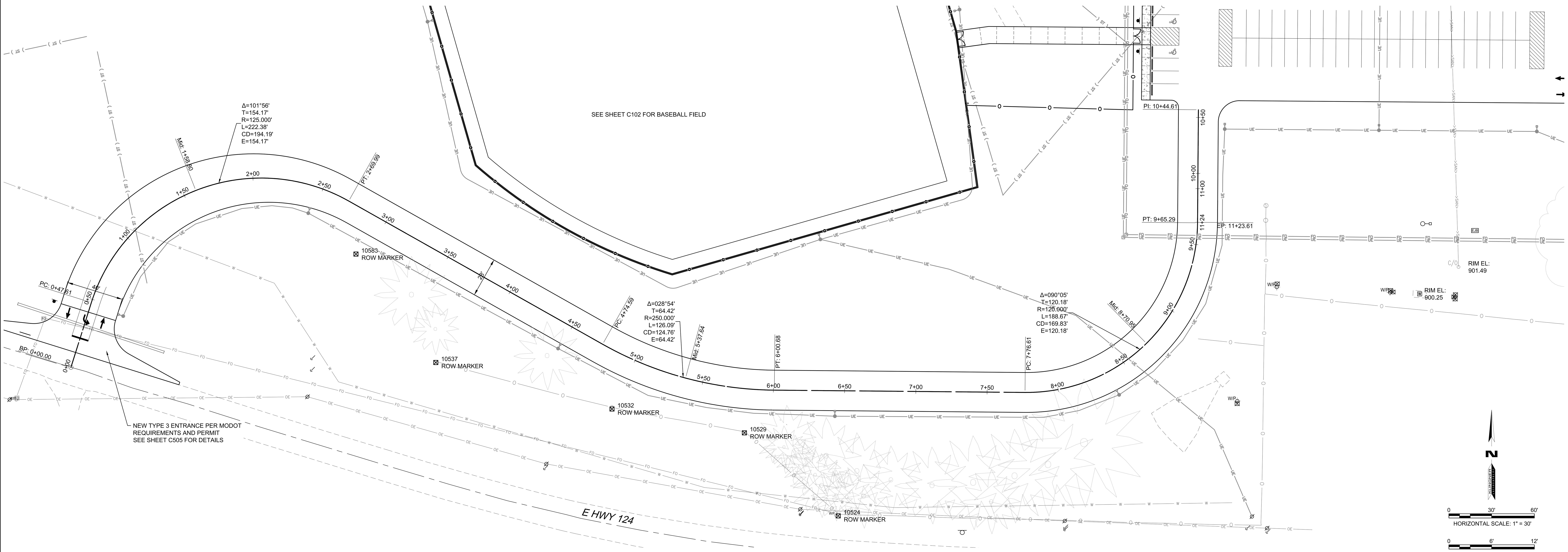
ENLARGED PARKING LOT SITE PLAN

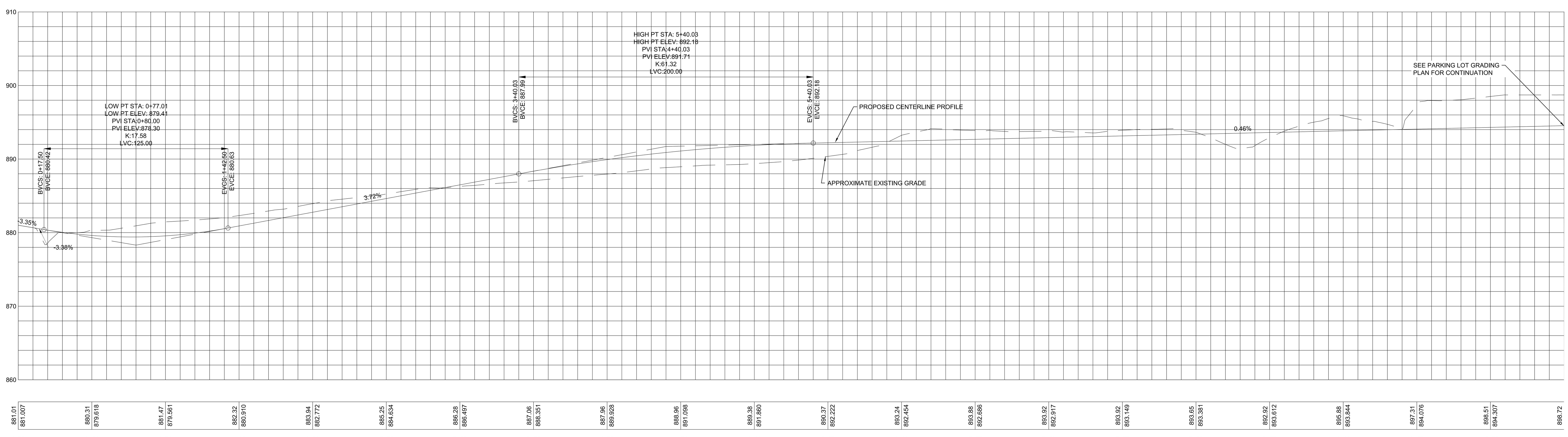
PROJECT NO. 24-5017

DRAWING ISSUED DATE: 10/30/2025

SHEET

C103





BENCHMARKS:

2. SOUTHEAST CORNER CONCRETE PAD FOR ELECTRIC TRANSFORMER SOUTHEAST CORNER BASEBALL FIELD - ELEV 899.64 (FROM TOPOGRAPHIC SURVEY BY ALLSTATE CONSULTANTS, P.C. JOB #04345.01) USED FOR KLINGNER PROJECT NO. 21-5052.

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REVISION HISTORY

MARK	DESCRIPTION	DATE	APPR
.	.	.	.

ISSUED FOR 10/30/2025
90% CD REVIEW

PRELIMINARY NOT FOR CONSTRUCTION

NEW ALL PURPOSE FIELD AND PARKING LOT
HALLSVILLE R-IV SCHOOLD DISTRICT
411 E. HIGHWAY 124
HALLSVILLE, MO 65255

Non-Reduced Sheet Size: 30" x 42"
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DESIGNED DCD	DRAWN DCD/DDR
FIELD MWJ/TGH	FIELD BOOK H25/35
CHECKED .	CHECK DATE .

SHEET TITLE
ACCESS ROAD PLAN & PROFILE

PROJECT NO. 24-5017
DRAWING ISSUED DATE: 10/30/2025
SHEET
C104

EXCESS SOIL STOCKPILE AREA

1117
898.20
BENCH MARK

RIM EL:
898.57

RIM EL:
898.78

RIM EL:
898.40

RIM EL:
900.47

497
899.62
BENCH MARK

RIM EL:
899.84

RIM EL:
901.49

RIM EL:
900.25

10583
ROW MARKER

10537
ROW MARKER

10532
ROW MARKER

10529
ROW MARKER

10524
ROW MARKER

LIMITS OF CONSTRUCTION

E HWY 124

E HWY 124

E HWY 124

1
C202

MB

LEGEND

EXISTING	PROPOSED	
		SUMMIT / HIGH POINT
601	601	CONTOURS
600	600	INDEX CONTOURS
		DIRECTION OF DRAINAGE
+600.00	600.00	SPOT ELEVATION
		EROSION CONTROL BARRIER
		TURF REINFORCEMENT MAT(TRM) SHEAR STRESS: 10 LB/SF VELOCITY: MIN. 10 FT/SEC
		RIP RAP
		SHORT TERM SLOPE EROSION CONTROL BLANKET

NOTE: SEE ENLARGED GRADING PLAN FOR SPOT ELEVATIONS

N

0 40' 80'

SCALE: 1" = 40'

BENCHMARKS:

2. SOUTHEAST CORNER CONCRETE PAD FOR ELECTRIC TRANSFORMER SOUTHEAST CORNER BASEBALL FIELD - ELEV 899.64 (FROM TOPOGRAPHIC SURVEY BY ALLSTATE CONSULTANTS, P.C. JOB #04345.01) USED FOR KLINGNER PROJECT NO. 21-5052.

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Fort Madison, IA Gatesburg, IL
Columbia, MO Carbondale, IL

REVISION HISTORY

MARK	DESCRIPTION	DATE	APPR
1			

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90% CD REVIEW

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NEW ALL PURPOSE FIELD AND PARKING LOT

HALLSVILLE R-IV SCHOOLD DISTRICT
411 E. HIGHWAY 124
HALLSVILLE, MO 65255

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DESIGNED	DRAWN
DCD	DCD/DDR
FIELD	FIELD BOOK
MW,JTGH	H25/35
CHECKED	CHECK DATE
-	

SHEET TITLE

OVERALL GRADING & EROSION CONTROL PLAN

PROJECT NO.
24-5017

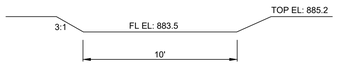
DRAWING ISSUED DATE:
10/30/2025

SHEET

C201

LEGEND

EXISTING	PROPOSED	
		SUMMIT / HIGH POINT
601	601	CONTOURS
600	600	INDEX CONTOURS
		DIRECTION OF DRAINAGE
+600.00	600.00	SPOT ELEVATION
		EROSION CONTROL BARRIER
		TURF REINFORCEMENT MAT(TRM) SHEAR STRESS: 10 LB/SF VELOCITY: MIN. 10 FT/SEC
		RIP RAP
		SHORT TERM SLOPE EROSION CONTROL BLANKET



1 EMERGENCY SPILLWAY SECTION
N.T.S.

61 SY TRM
DIM: 28'X20'

15 CY OF TYPE 3
ROCK DITCH LINER
AT 24" THICK
DIM: 11'X18'

23 CY OF TYPE 3
ROCK DITCH LINER
AT 24" THICK
DIM: 16'X24'

LIMITS OF CONSTRUCTION

10583
ROW MARKER

10537
ROW MARKER

HWY 124

FFE: 891.5

EP: 894.00
EP: 893.96
EP: 894.30
EP: 894.19
EP: 894.33
EP: 894.10
EP: 894.21
EP: 894.12
EP: 894.27
EP: 894.00
EP: 894.18

G: 894.55
G: 894.16
G: 894.55
G: 892.33
G: 894.55
G: 891.99
G: 892.34
G: 891.94

1117
898.20
BENCH

0 20' 40'
SCALE: 1" = 20'

BENCHMARKS:

2. SOUTHEAST CORNER CONCRETE PAD FOR ELECTRIC TRANSFORMER SOUTHEAST CORNER BASEBALL FIELD - ELEV 899.64 (FROM TOPOGRAPHIC SURVEY BY ALLSTATE CONSULTANTS, P.C. JOB #04345.01) USED FOR KLINGNER PROJECT NO. 21-5052.

6. CHISELED "□" NORTHWEST CORNER CONCRETE PAD SOUTH OF DISCUS PAD - ELEV 898.22

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REVISION HISTORY

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PRELIMINARY NOT FOR CONSTRUCTION

NEW ALL PURPOSE FIELD AND PARKING LOT

HALLSVILLE R-IV SCHOOLD DISTRICT
411 E. HIGHWAY 124
HALLSVILLE, MO 65255

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DESIGNED	DRAWN
DCD	DCD/DDR
FIELD	FIELD BOOK
MWJ/TGH	H25/35
CHECKED	CHECK DATE
-	

SHEET TITLE
ENLARGED GRADING & EROSION CONTROL PLAN - WEST

PROJECT NO.
24-5017

DRAWING ISSUED DATE:
10/30/2025

SHEET
C202

EXISTING SOFTBALL FIELD

MARK

RIM EL: 898.57

RIM EL: 898.78

RIM EL: 898.40

EP: 896.83

EP: 896.88

EP: 896.10

EP: 895.58

EP: 899.50

EP: 899.34

EP: 899.65 (M)

EP: 899.59

EP: 899.91 (M)

TC: 896.41
GL: 895.91

TC: 896.79
GL: 896.29

TC: 896.39
GL: 895.89

TC: 896.85
GL: 896.35

EL: 895.92

EL: 895.98

TC: 896.52
GL: 896.02

TC: 896.47
GL: 895.97

TC: 896.62
GL: 896.12

TC: 896.56
GL: 896.06

TC: 899.85
GL: 899.35

TC: 899.97
GL: 899.47

TC: 899.97
GL: 899.47

TC: 899.90
GL: 899.40

EL: 899.52

EL: 899.56

TC: 899.67
GL: 899.17

TC: 899.46
GL: 898.96

TC: 899.68
GL: 899.18

TC: 899.80
GL: 899.30

RIM EL: 900.47

EP: 893.85

EP: 894.52

EP: 893.77

EP: 894.42

EP: 894.40

EP: 894.80

EP: 894.17

EP: 894.40

EP: 895.10

EP: 894.23

EP: 899.46

EP: 899.78 (M)

EP: 899.59 (M)

EP: 899.50

10"PVC

497
899.62
BENCH MARK

RIM EL: 899.84

10"PVC

LIMITS OF CONSTRUCTION

RIM EL: 901.49

RIM EL: 900.25

W/P

W/P

TYP 2-4 C401

1 C401

1 C401

895

896

897

898

899

891

892

893

LEGEND

EXISTING	PROPOSED	
		SUMMIT / HIGH POINT
601	601	CONTOURS
600	600	INDEX CONTOURS
		DIRECTION OF DRAINAGE
+600.00	600.00	SPOT ELEVATION
		EROSION CONTROL BARRIER
		TURF REINFORCEMENT MAT(TRM) SHEAR STRESS: 10 LB/SF VELOCITY: MIN. 10 FT/SEC
		RIP RAP
		SHORT TERM SLOPE EROSION CONTROL BLANKET

N

0 20' 40'

SCALE: 1" = 20'

BENCHMARKS:

2. SOUTHEAST CORNER CONCRETE PAD FOR ELECTRIC TRANSFORMER SOUTHEAST CORNER BASEBALL FIELD - ELEV 899.64 (FROM TOPOGRAPHIC SURVEY BY ALLSTATE CONSULTANTS, P.C. JOB #04345.01) USED FOR KLINGNER PROJECT NO. 21-5052.

6. CHISELED "□" NORTHWEST CORNER CONCRETE PAD SOUTH OF DISCUS PAD - ELEV 898.22

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217.223.3670

REVISION HISTORY

MARK	DESCRIPTION	DATE	APPR
1			

ISSUED FOR 10/30/2025

90% CD REVIEW

PRELIMINARY NOT FOR CONSTRUCTION

NEW ALL PURPOSE FIELD AND PARKING LOT

HALLSVILLE R-IV SCHOOLD DISTRICT
411 E. HIGHWAY 124
HALLSVILLE, MO 65255

Non-Reduced Sheet Size: 30" x 42"
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DESIGNED	DRAWN
DCD	DCD/DDR
FIELD	FIELD BOOK
MWJ/TGH	H25/35
CHECKED	CHECK DATE
-	

SHEET TITLE

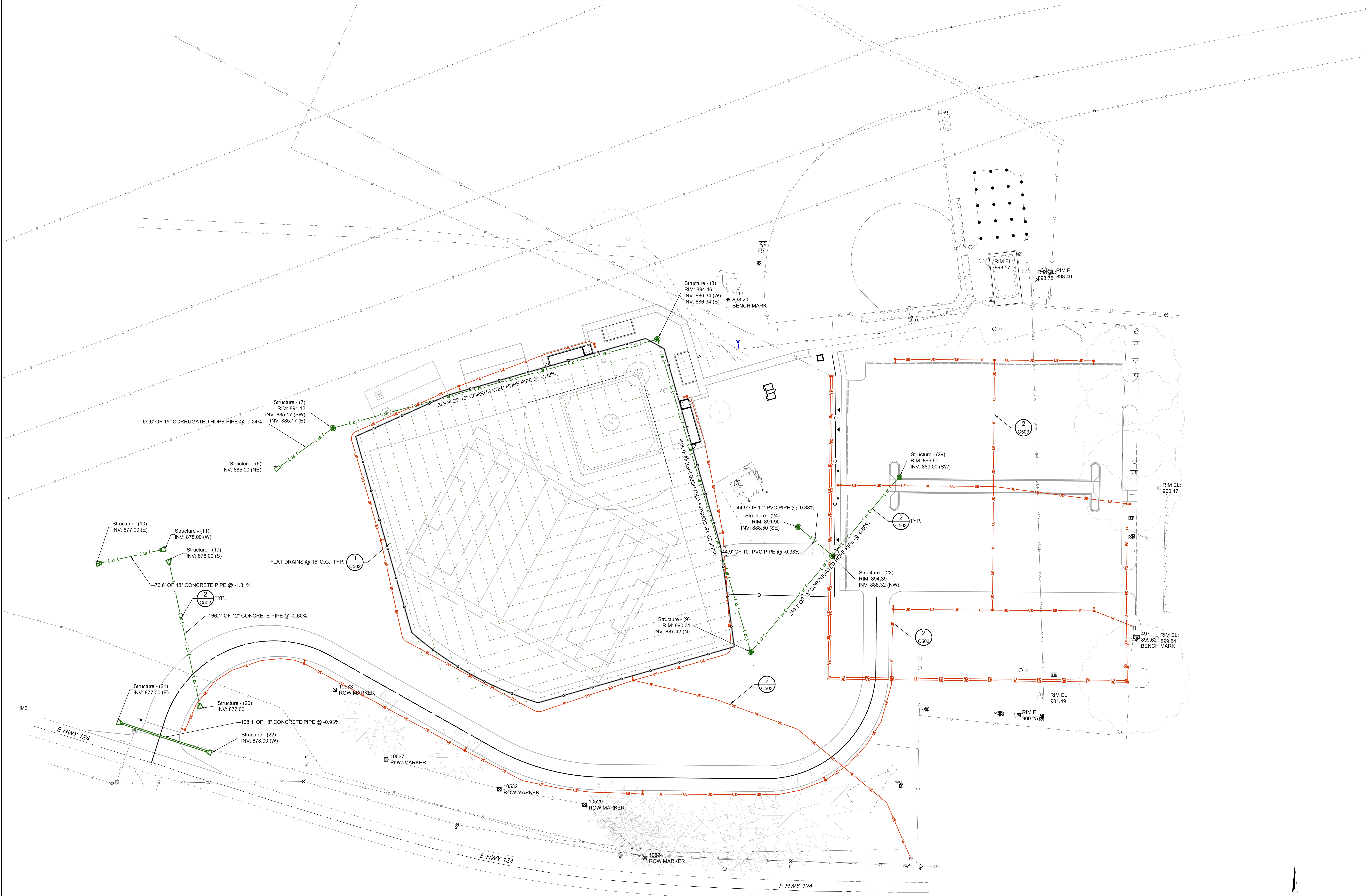
ENLARGED GRADING & EROSION CONTROL PLAN - EAST

PROJECT NO. 24-5017

DRAWING ISSUED DATE: 10/30/2025

SHEET

C203



DRAINAGE STRUCTURE SCHEDULE

STRUCT. #	DESCRIPTION	GRATE TYPE
7	48" Ø MANHOLE (DETAIL 3/C502)	R-1713 GRATE W/FRAME & SOLID LID
8	48" Ø MANHOLE (DETAIL 3/C502)	R-1713 GRATE W/FRAME & SOLID LID
9	48" Ø MANHOLE (DETAIL 9/C502)	NEENAH R-2533 FRAME AND TYPE A GRATE
24	TYPE A INLET (DETAIL 1/C503)	NEENAH R-2533 FRAME AND TYPE A GRATE
29	TYPE E INLET (DETAIL 5/C502)	NEENAH R-6020 MANHOLE FR & SOLID LID OR EQUAL

DRAINAGE STRUCTURE FES SCHEDULE

FES #	DESCRIPTION	GRATE TYPE
6	15" REINFORCED CONCRETE PIPE F.E.S.	N/A
10	18" REINFORCED CONCRETE PIPE F.E.S.	N/A
11	18" REINFORCED CONCRETE PIPE F.E.S.	N/A
19	12" REINFORCED CONCRETE PIPE F.E.S.	N/A
20	12" REINFORCED CONCRETE PIPE F.E.S.	N/A

BENCHMARKS:

2. SOUTHEAST CORNER CONCRETE PAD FOR ELECTRIC TRANSFORMER SOUTHEAST CORNER BASEBALL FIELD - ELEV 899.64 (FROM TOPOGRAPHIC SURVEY BY ALLSTATE CONSULTANTS, P.C. JOB #04345.01) USED FOR KLINGNER PROJECT NO. 21-5052.

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NEW ALL PURPOSE FIELD AND PARKING LOT

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DESIGNED	DRAWN
DCD	DCD/DDR
FIELD: MWJ/TGH	FIELD BOOK: H25/35
CHECKED: .	CHECK DATE: .

SHEET TITLE

OVERALL SITE UTILITY PLAN

PROJECT NO.
24-5017

DRAWING ISSUED DATE:
10/30/2025

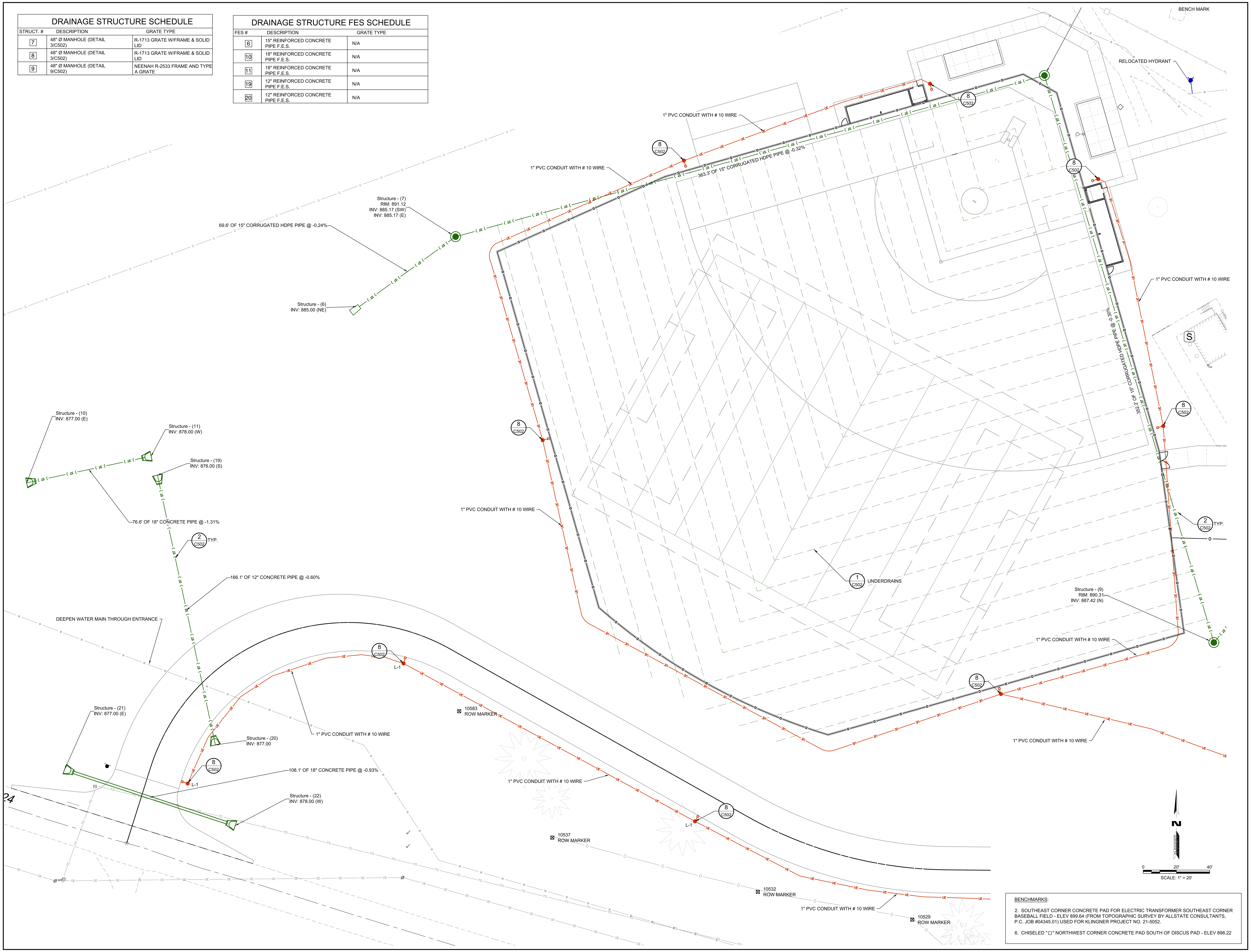
SHEET
C301

DRAINAGE STRUCTURE SCHEDULE

STRUCT. #	DESCRIPTION	GRATE TYPE
7	48" Ø MANHOLE (DETAIL 3/C502)	R-1713 GRATE W/FRAME & SOLID LID
8	48" Ø MANHOLE (DETAIL 3/C502)	R-1713 GRATE W/FRAME & SOLID LID
9	48" Ø MANHOLE (DETAIL 9/C502)	NEENAH R-2533 FRAME AND TYPE A GRATE

DRAINAGE STRUCTURE FES SCHEDULE

FES #	DESCRIPTION	GRATE TYPE
6	15" REINFORCED CONCRETE PIPE F.E.S.	N/A
10	18" REINFORCED CONCRETE PIPE F.E.S.	N/A
11	18" REINFORCED CONCRETE PIPE F.E.S.	N/A
19	12" REINFORCED CONCRETE PIPE F.E.S.	N/A
20	12" REINFORCED CONCRETE PIPE F.E.S.	N/A



BENCHMARKS:

2. SOUTHEAST CORNER CONCRETE PAD FOR ELECTRIC TRANSFORMER SOUTHEAST CORNER BASEBALL FIELD - ELEV 899.64 (FROM TOPOGRAPHIC SURVEY BY ALLSTATE CONSULTANTS, P.C. JOB #04345.01) USED FOR KLINGNER PROJECT NO. 21-5052.

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0 20' 40'
SCALE: 1" = 20'

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DCD	DCD/DDR
FIELD	FIELD BOOK
MWJ/TGH	H25/35
CHECKED	CHECK DATE
.	.

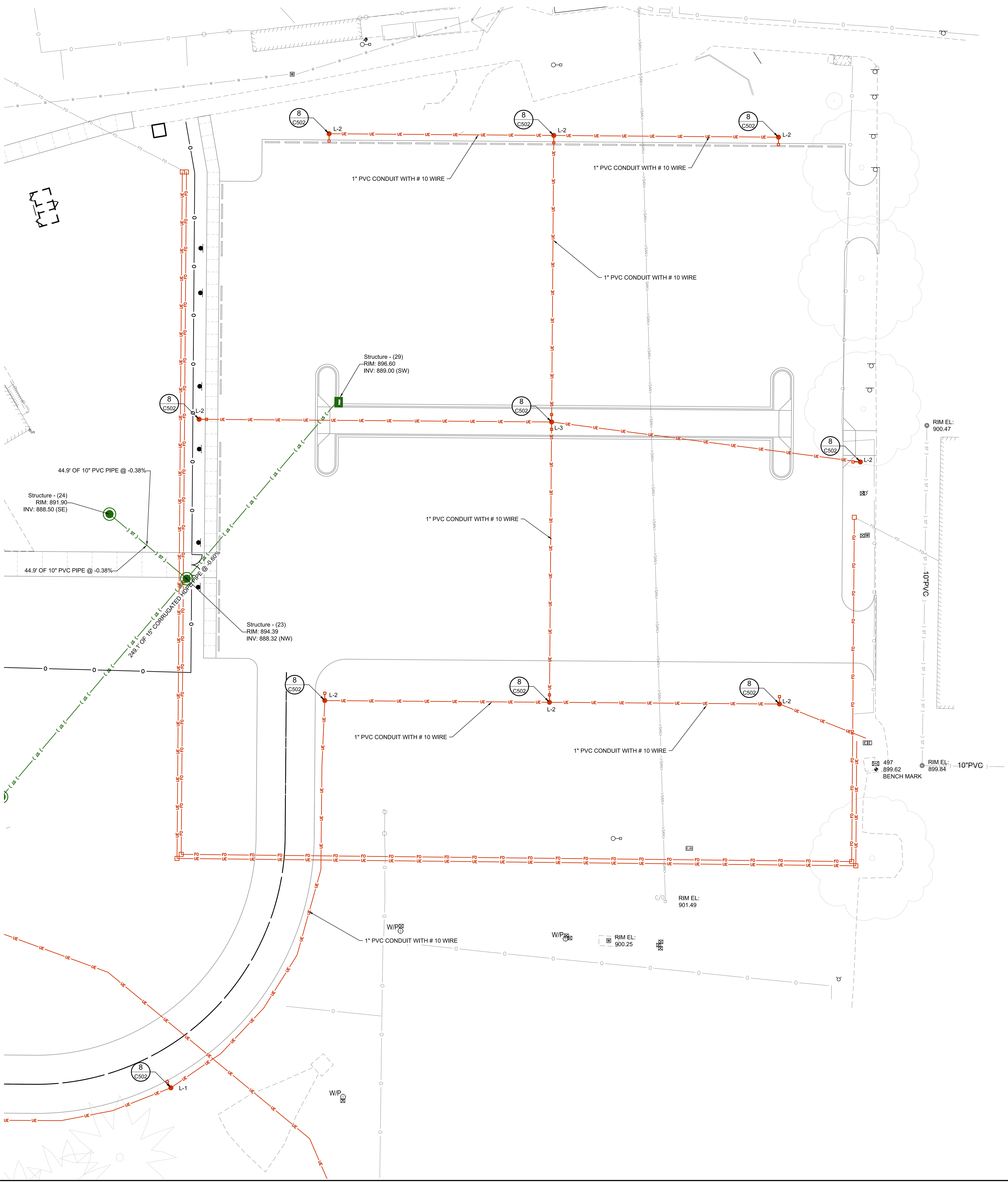
SHEET TITLE

ENLARGED SITE UTILITY PLAN - WEST

PROJECT NO.
24-5017

DRAWING ISSUED DATE:
10/30/2025

SHEET
C302



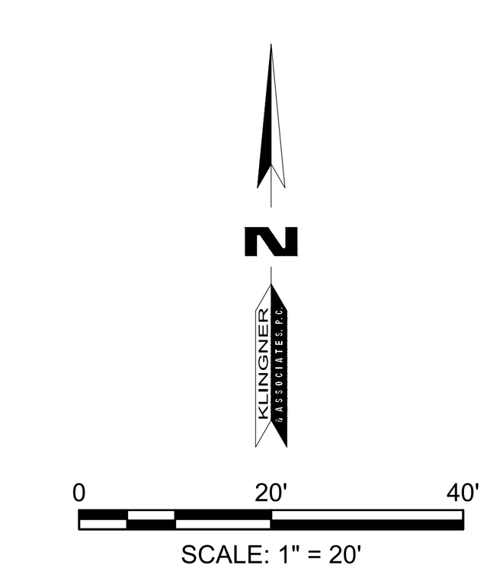
DRAINAGE STRUCTURE SCHEDULE

STRUCT. #	DESCRIPTION	GRATE TYPE
23	TYPE E INLET (DETAIL 5/C502)	NEENAH R-6020 MANHOLE FR & SOLID LID OR EQUAL
24	TYPE A INLET (DETAIL 1/C503)	NEENAH R-2533 FRAME AND TYPE A GRATE
29	TYPE E INLET (DETAIL 5/C502)	NEENAH R-6020 MANHOLE FR & SOLID LID OR EQUAL

LIGHTING FIXTURE SCHEDULE

CALLOUT	TYPE	MFG.	MODEL NUMBER	LAMP	QTY.	POLE	COMMENTS
L-1 ■●	25' POLE MOUNTED LED PARKING FIXTURE	LITHONIA	DSX1 LED P4 40K T3M MVOLT SPA DDBXD	LED	4	SSS 25 4G DM19AS DDBXD	1 LAMP PER POLE 28' MOUNT HEIGHT
L-2 ■●	25' POLE MOUNTED LED PARKING FIXTURE	LITHONIA	DSX1 LED P4 40K TFTM MVOLT SPA DDBXD	LED	8	SSS 25 4G DM28AS DDBXD	1 LAMPS PER POLE 28' MOUNT HEIGHT
L-3 ■●■	25' POLE MOUNTED LED PARKING FIXTURE	LITHONIA	DSX1 LED P4 40K TFTM MVOLT SPA DDBXD	LED	1	SSS 25 4G DM28AS DDBXD	2 LAMPS PER POLE 28' MOUNT HEIGHT

CONTRACTOR TO COORDINATE ELECTRICAL CABLING, CONDUIT, AND CONNECTIONS TO NEW PHOTOCELLS AND/OR TIMERS.
POLE MOUNTED LIGHTING TO BE MOUNTED WITH NO TILT.



BENCHMARKS:

2. SOUTHEAST CORNER CONCRETE PAD FOR ELECTRIC TRANSFORMER SOUTHEAST CORNER BASEBALL FIELD - ELEV 899.64 (FROM TOPOGRAPHIC SURVEY BY ALLSTATE CONSULTANTS, P.C. JOB #04345.01) USED FOR KLINGNER PROJECT NO. 21-5052.

6. CHISELED "□" NORTHWEST CORNER CONCRETE PAD SOUTH OF DISCUS PAD - ELEV 898.22

KLINGNER & ASSOCIATES, P.C.
Engineers • Architects • Surveyors
www.klingner.com
Quincy, Illinois
616 North 24th Street
217.223.3670
Hannibal, MO Burlington, IA
Galesburg, IL Pella, IA Davenport, IA,
Columbia, MO Carbondale, IL

REVISION HISTORY

MARK	DESCRIPTION	DATE	APPR
△ .	.	.	.

ISSUED FOR 10/30/2025

90% CD REVIEW

PRELIMINARY NOT FOR CONSTRUCTION

NEW ALL PURPOSE FIELD AND PARKING LOT

HALLSVILLE R-IV SCHOOLD DISTRICT
411 E. HIGHWAY 124
HALLSVILLE, MO 65255

Non-Reduced Sheet Size: 30" x 42"

Full sized plans have been prepared using standard scales. Reduced size plans may not conform to standard scales.

DESIGNED DCD	DRAWN DCD/DDR
FIELD MWJ/TGH	FIELD BOOK H25/35
CHECKED .	CHECK DATE .

SHEET TITLE

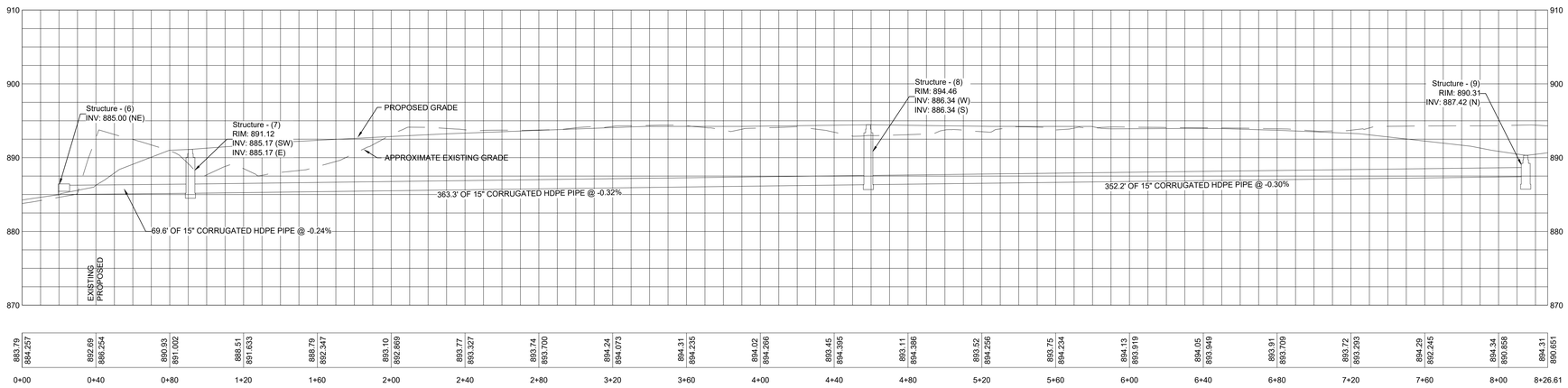
ENLARGED SITE UTILITY PLAN - EAST

PROJECT NO. 24-5017

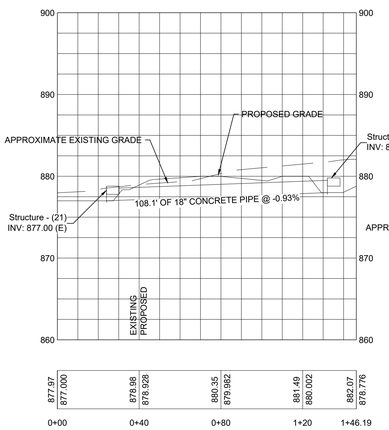
DRAWING ISSUED DATE: 10/30/2025

SHEET

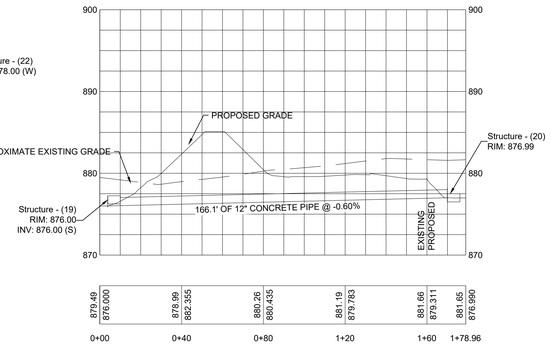
C303



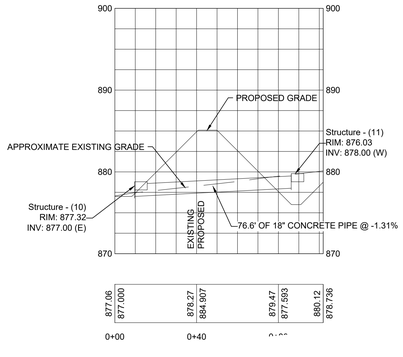
1 BASEBALL FIELD STORM SEWER PROFILE
N.T.S.



4 ENTRANCE CULVERT PROFILE
N.T.S.



6 DETENTION INFLOW PROFILE
N.T.S.



6 DETENTION OUTLET PROFILE
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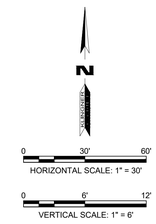

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REVISION HISTORY

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MW,JTGH	H25/35
CHECKED	CHECK DATE
-	-

SHEET TITLE

ENLARGED SITE UTILITY PLAN - EAST

PROJECT NO.
24-5017

DRAWING ISSUED DATE:
10/30/2025

SHEET
C303

STORM WATER POLLUTION PREVENTION PLAN

CERTIFICATION STATEMENTS

This plan and certifications are a part of the Storm Water Pollution Prevention Plan for the project described below, in accordance with NPDES Permit No. MO-R10A000 as issued by the Missouri Department of Natural Resources for storm water discharges from Construction Site Activities.

PROJECT INFORMATION:

Site: ______________________ Location: ______________________
City: ______________________ County: ______________________
Lat: __________ Long: __________

PERMITTEE (OWNER) CERTIFICATION:CONTRACTOR CERTIFICATION STATEMENT certify under penalty of law that this document and all attachments were prepared under my direct supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

OWNER (PERMITTEE): ______________________
SIGNATURE: ______________________
PRINT NAME: ______________________
STREET ADDRESS: ______________________
City __________ State __________ Zip __________
TELEPHONE NUMBER: ______________________
FAX NUMBER: ______________________
DATE: ______________________

CONTRACTOR: ______________________
SIGNATURE: ______________________
PRINT NAME: ______________________
STREET ADDRESS: ______________________
City __________ State __________ Zip __________
TELEPHONE NUMBER: ______________________
FAX NUMBER: ______________________
DATE: ______________________

STORM WATER POLLUTION PLAN

The following plan is established and incorporated in the project to aid the contractor in the placement of temporary erosion control systems and to provide a storm sewer water pollution prevention plan for compliance under NPDES.

The purpose of this plan is to minimize erosion within the construction site and to limit sediments from leaving the construction site by utilizing proper temporary erosion control systems and providing ground cover within a reasonable amount of time.

Certain erosion control facilities shall be installed by the contractor at the beginning of construction. Other items shall be installed by the contractor as deemed necessary, on a case-by-case situation, depending on the contractor's sequence of activities, time of year and expected weather conditions.

The contractor shall install permanent erosion control systems and seeding within a time frame specified herein. Therefore minimizing the amount of area susceptible to erosion and reducing the amount of temporary seeding. Contractor shall further determine if any temporary erosion control systems shown in the plan can be deleted and if any additional temporary erosion control systems which are not included in this plan shall be added.

SITE DESCRIPTION.

1. The project consists of site work for the development of a __new baseball field, parking lot, and access road__ Construction includes tree removal, earth excavation, embankment, various pavement items, and other miscellaneous items of construction.

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES, WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE.

1. Placement, maintenance, removal and proper clean-up of temporary erosion control, such as perimeter erosion control barriers; temporary ditch checks; siltation basins, temporary seeding, etc.
2. Tree removal as shown on the plans. Trees to remain will be protected against damage.
3. Topsoil removal and stockpiling.
4. Excavation and embankment at the job site to achieve the proposed site contours.
5. Storm sewers, manholes, inlets, and other utility installations.
6. Placement, maintenance, removal and proper clean-up of temporary erosion control, such as perimeter erosion control barrier, temporary ditch checks, inlet and pipe protection, temporary seeding, etc.
7. Pavement and sidewalk work.
8. Final grading, landscaping and other miscellaneous items.
9. Placement of permanent erosion control, such as riprap ditches, and erosion control blanket, seeding, etc.

AREA OF CONSTRUCTION SITE:

1. The total area of the project site is approximately ___15___ acres of which ___14___ acres will be disturbed by excavation, grading, and other activities.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:

1. Project plan documents, specifications, hydraulic reports, and plan drawings indicate drainage patterns and approximate slopes anticipated after grading activities were utilized for the proposed placement of the temporary erosion control systems.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:

1. The names of receiving water(s) is an unnamed tributary to Kelly Branch then to the Missouri River.

2. Location of any sensitive areas (i.e. wetlands, habitats)

STORM WATER CONTROLS-EROSION CONTROLS AND SEDIMENT CONTROL:

1. DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION
   The drawings and specifications should ensure that existing vegetation is preserved where attainable and disturbed portions of the site will be stabilized. Stabilization practices include temporary seeding, permanent seeding, mulching, protection of trees, preservation of mature vegetation, and other appropriate measures. Stabilization measures shall be initiated immediately in portions of the site where construction activities have temporarily or permanently ceased,and completed in no more than 7 days after the construction activity in that portion of the site has temporarily or permanently ceased. Allowances to the seven (7) day completion period for temporary and permanent stabilization may be made due to weather and equipment malfunctions. The allowances shall be documented in the SWPPP.
   a. Areas of existing vegetation; wood and grasslands; outside the proposed construction limits shall be identified for preserving and shall be protected from construction activities.
   b. Dead, diseased, or unsuitable vegetation within the site shall be removed, along with required tree removal.
   c. As soon as reasonable access is available to all locations where water drains away from the project, temporary ditch checks, inlet and pipe protection, and perimeter erosion barrier shall be installed as called out in this plan.
   d. Bare and sparsely vegetated ground in high erodable areas shall be temporarily seeded at the beginning of construction where not construction activities are expected within seven days.
   e. Immediately after tree removal or stripping is completed, areas which are highly erodable shall be temporarily seeded when no construction activities are expected within seven days.
   f. At locations where a significant amount of water drains into the construction zone from outside areas (adjacent landowners), temporary ditch checks or silt fencing will be utilized to locally divert water, reduce flow rates, and collect outside siltation inside the site.

Establishment of these temporary erosion control measures will have additional benefits to the project. Desirable grass seed will become established in these areas and will spread seeds onto the construction site until permanent seeding/mowing and overseeding can be completed.

2. DESCRIPTION OF STABILIZATION (BEST MANAGEMENT) PRACTICES DURING CONSTRUCTION

   During construction, areas outside the construction limits as outlined previously herein shall be protected. The contractor shall not use this area for staging (except as described on the plans) and parking of vehicles or construction equipment, storage of materials, or other construction related activities.

   a. Within the construction limits, areas which may be susceptible to erosion, shall remain undisturbed until full scale construction is underway to prevent unnecessary soil erosion.
   b. Earth stockpiles shall be temporarily seeded immediately if they are to remain unused for more than fourteen (14) days.
   c. As construction proceeds, the contractor shall institute the following:
      i. Place temporary erosion control facilities at locations shown on the plans.
      ii. Temporarily seed erodable bare earth on a weekly basis to minimize the amount of erodable surface area within the contract limits.
      iii. Construct ditches and provide temporary erosion control systems including ditch lining and ditch stops.
      iv. Temporarily divert water around culvert locations.
      v. Build necessary embankments at culvert locations and then excavate and place culvert.
      vi. Continue building up the embankment to the proposed grade while at the same time,placing permanent erosion control such as riprap ditch lining and conducting final shaping to the slopes.
   d. Excavated areas and embankment shall be permanently seeded immediately after final grading. If not, they shall be temporarily seeded immediately if no construction activity in the area is planned for 7 days.
   e. Construction equipment and materials shall be stored and fueled only at designated locations. All necessary measures shall be taken to contain any fuel or other pollutant in accordance with EPA water quality regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site.
   f. The contractor shall inspect the project daily during construction activities. Inspection shall also be done weekly and after heavy rains.
   g. Sediment collected during construction of the various temporary erosion control systems shall be disposed of on the site on a regular basis.
   h. The temporary erosion control systems shall be removed after use is no longer or no longer functioning.
   i. A sedimentation basin shall be included for each drainage area with ten (10) or more acres disturbed at one time. The sediment basin shall be sized to treat a local 2-year, 24-hour storm. Accumulated sediment shall be removed from the basin when basin is 50% full. Utilize outlet structures that withdraw water from the surface when discharging from basins and impoundments unless infeasible. Discharges from the basin shall not cause scouring of the banks or bottom of the receiving stream. The basin shall be maintained until final stabilization of the disturbed area served by the basin.

3. DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING

   a. Temporary erosion control systems shall be left in place with proper maintenance until permanent erosion control is in place and working properly and all proposed turf areas seeded and established.
   b. Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up, and disturbed turf reseeded.

MAINTENANCE AFTER CONSTRUCTION

1. Construction is complete after acceptance by the Owner. Maintenance up to this date will be by the Contractor.

MISCELLANEOUS

1. Temporary ditch checks shall be located at every 1.5 ft. fall/rise in ditch grade.
2. Temporary erosion control seeding shall be applied at a rate of 100 lbs/acres.
3. Straw bales, hay bales, perimeter erosion barrier and silt fences will not be permitted for permanent ditch checks. Ditch checks shall be composed of aggregate, silt panels, rolled excelsior, geotextile web grids and/or other equal materials.
4. Sediment collected during construction by the various temporary erosion control systems shall be disposed on the site on a regular basis.

INSPECTIONS.

ON SITE INSPECTOR NAME: ______________________
COMPANY NAME: ______________________
STREET ADDRESS: ______________________
City __________ State __________ Zip __________
TELEPHONE NUMBER: ______________________
FAX NUMBER: ______________________

The Permittee (or a representative of the permittee) shall conduct regularly scheduled inspections at least once every seven (7) calendar days. these inspections shall be conducted by a qualified personnel, one who is responsible for environmental matters at the site, or a person directly supervised by the person responsible for environmental matters. For disturbed areas that have not been finally stabilized, all installed BMP's and other polution control measures shall be inspected for proper installation, operation and maintenance. All stormwater outfalls shall be inspected 50 feet downstream of the outfall. Any structural or maintenance problems shall be noted in an inspection report and corrected within seven calendar days of the inspection. All BMP's must be inspected in accordance with one of the two schedules listed below, and any changes to the frequency of inspections, including switching between the options listed below, must be documented in the SWPPP:

a. At least once every seven calendar days and within 24 hours after any storm event equal to or greater than the 2-year, 24-hour storm has ceased during a normal work day and within 72 hours if the rain event ceases during a non-work day such as a weekend or holiday.
b. Once every 14 calendar days and within 48 hours of the occurrence of a storm event of 0.25 inches of precipitation or greater, or the occurrence of runoff from snow melt. To determine if a storm event of 0.25 inches or greater has occurred on your site, you must either keep a properly maintained rain gauge on site, or obtain the storm event information from a weather station for your location.
c. Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of off site sediment tracking.
d. Based on the results of the inspection, the description of potential pollutant sources identified herein and pollution prevention measures identified herein shall be revised as appropriate as soon as practicable after such inspection. Any changes to this plan resulting from the required inspections shall be implemented within 7 calendar days following the inspection.
e. A report summarizing the scope of the inspection, names(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of this storm water pollution prevention plan, and actions taken shall be made and retained as part of the plan for at least three (3) years after the date of the Letter of Termination. The report shall be signed in accordance with Requirements and Guidelines of the general permit.
f. If, for any reason, the permittee does not comply with or will be unable to comply with any daily maximum effluent limitation specified in this permit, the permittee shall provide the Department with the following information, in writing within five (5) days of becoming aware of such conditions:
   (i) a description of discharge and cause of noncompliance, and
   (ii) the period of noncompliance, including exact dates and times or, if not corrected, the anticipated the noncompliance is expected to continue m and steps being taken to reduce, eliminate and prevent recurrence of the noncomplying discharge.
g. Twenty-four hour reporting. The permittee shall report any noncompliance which may endanger health or environment. Any information shall be provided orally with in 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five (5) days of the time the permittee becomes aware of the circumstances. The Department may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

The report of noncompliance shall be mailed to the following address:

Missouri Department of Natural Resources
St. Louis Regional Office
7545 S. Lindbergh, Suite 210
St. Louis, Missouri 63125
(314) 416-2960
(314) 416-2960 fax

Special Provision
For
National Pollutant Discharge Elimination System

This project will result in a disturbance of one (1) or more acres of total land area and will require compliance with the National Pollutant Discharge Elimination System (NPDES) Storm Water Permit.

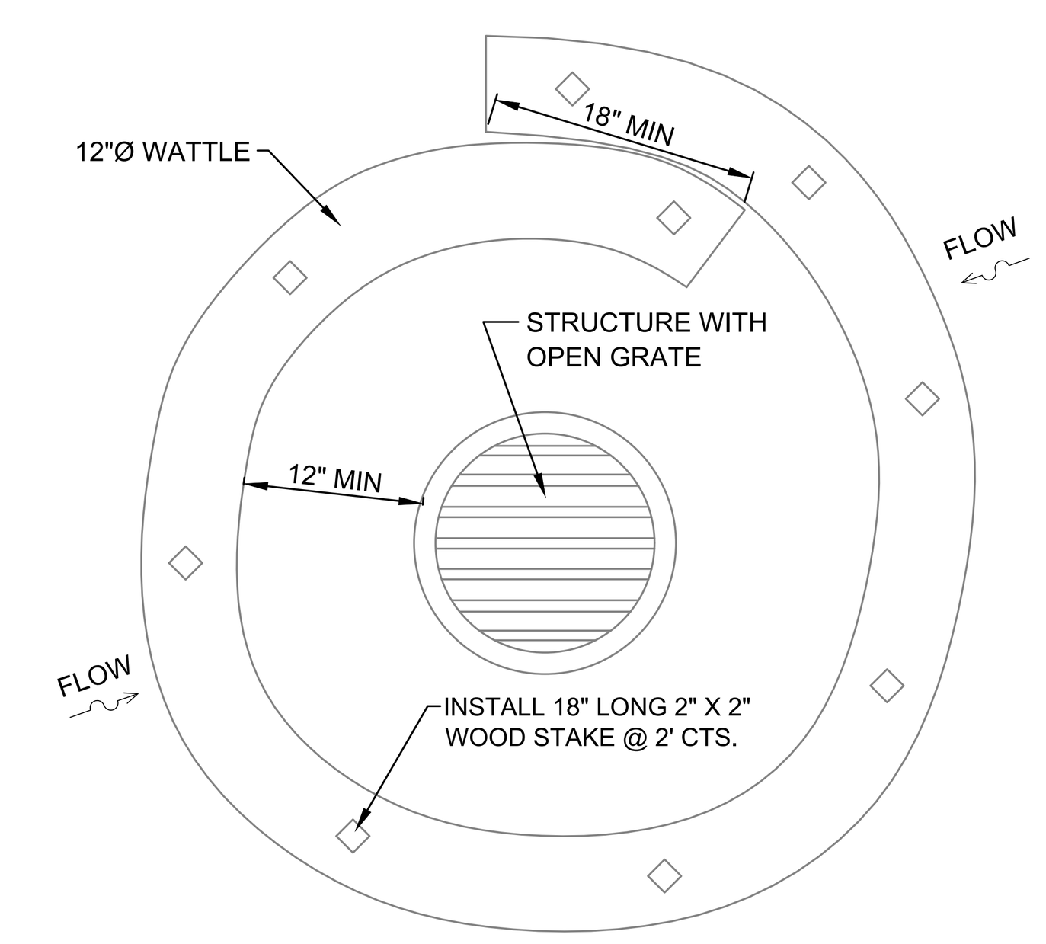
The Owner is the PERMITTEE and the Contractors and Subcontractors will be required to certify that they understand and will comply with all requirements of the permit.

A storm water pollution plan shall be cooperatively developed by the PERMITTEE and contractor for this project using good engineering practices. The plan shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges. In addition, the plan shall describe and ensure the implementation of practices which will be used to reduce the pollutants in storm water discharges associated with this project and assure compliance with the terms and conditions of the Storm Water Permit.

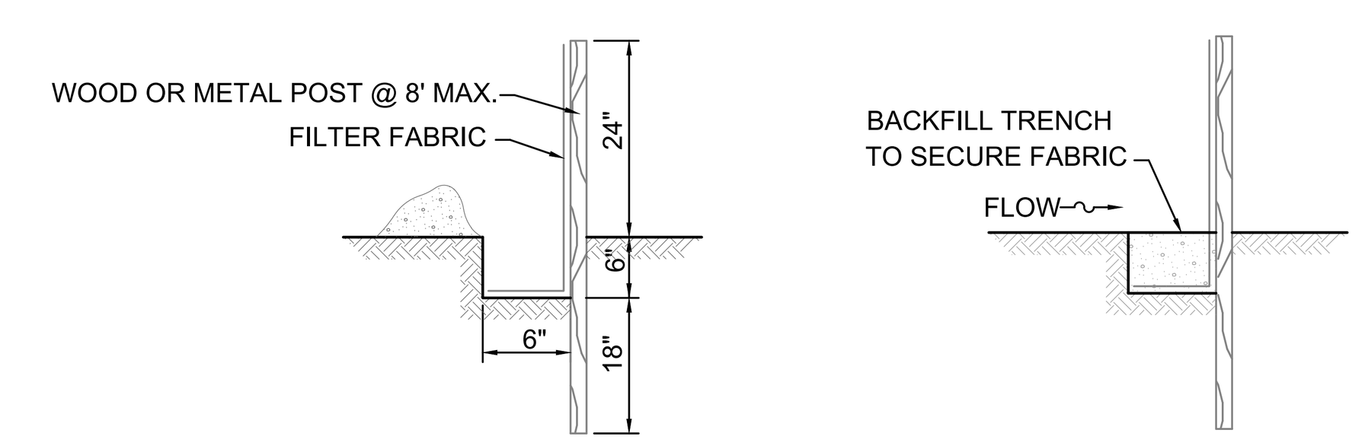
The EPERMITTING process on the Missouri Department of Natural Resource (MoDNR) website shall be completed in order to receive the Land Disturbance Permit. At the completion of the project stabilization the following form shall be completed and submitted to the MoDNR:

FORM H - REQUEST FOR TERMINATION OF A GENERAL PERMIT

The Contractor shall prepare a stormwater management plan which is certified by both the Owner and Contractor. The Contractor shall be responsible for obtaining the NPDES permit including but not limited to the epermitting application for Land Disturbance Permit, Posting a copy of the public notification sign on the site and Request for Termination as well as maintaining the Stormwater Management Plan and maintenance records on-site.

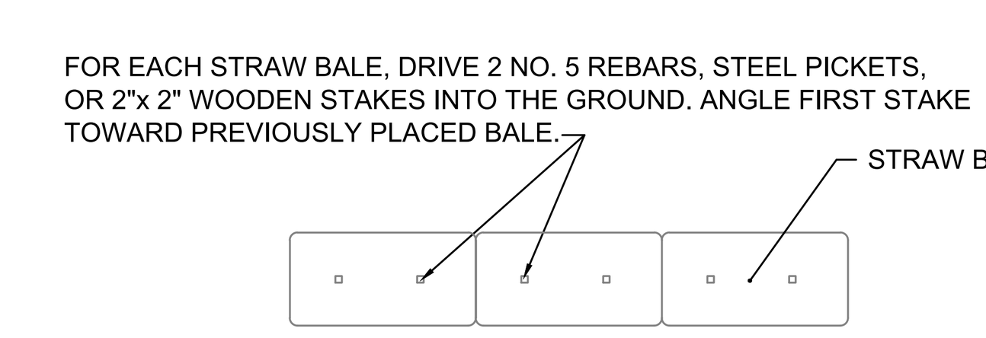


1 INLET PROTECTION DETAILS
N.T.S.

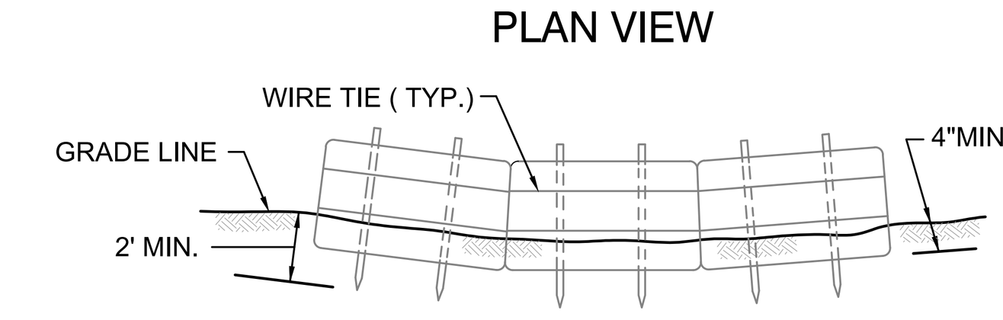


FILTER FENCE AND POST INSTALLATION

SECTION



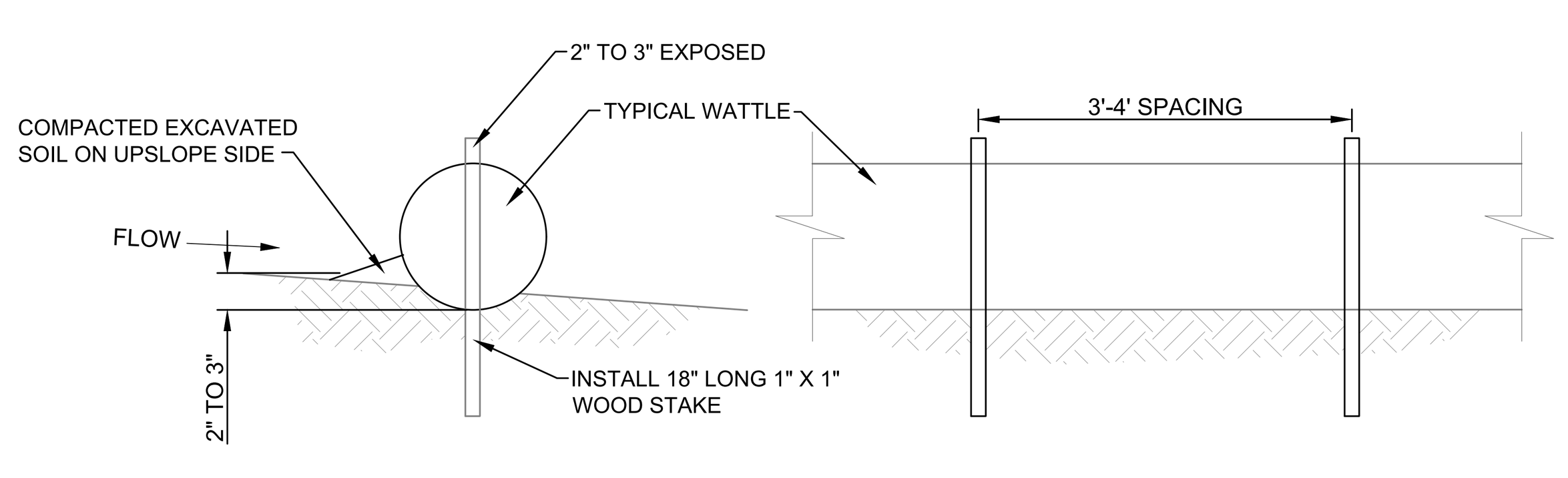
PLAN VIEW



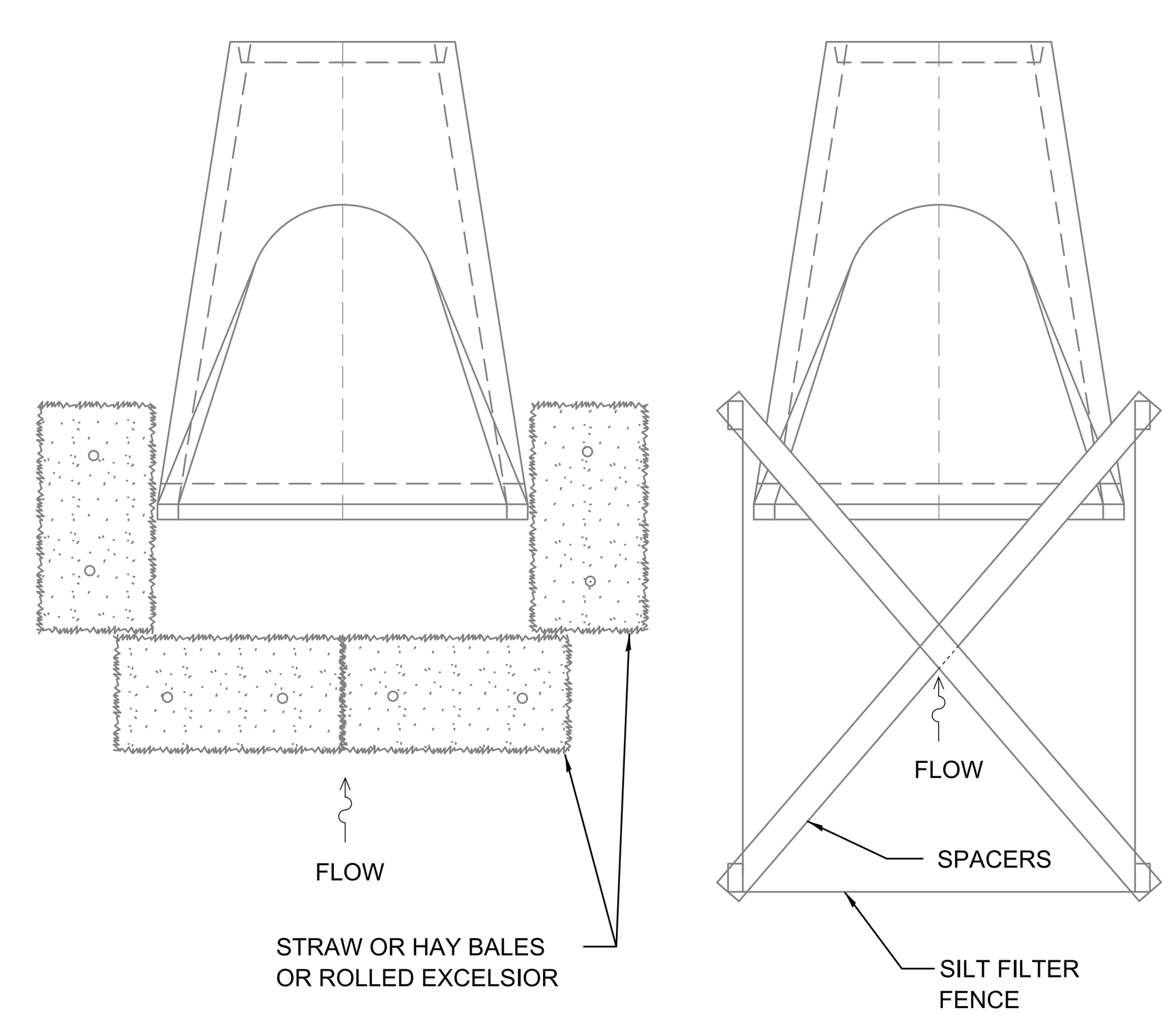
SECTION VIEW

STRAW BALE INSTALLATION

1. STRAW BALES TO BE STACKED IN A SINGLE ROW & EMBEDDED IN THE SOIL TO A DEPTH OF 4 INCHES MINIMUM
2. ALL BALES ARE TO BE SECURELY BOUND WITH WIRE OR STRING.
3. LENGTH OF SEDIMENT BARRIER AS INDICATED ON THE PLANS
4. SCATTER LOOSE STRAW OVER THE AREA IMMEDIATELY UPSLOPE FROM SEDIMENT BARRIERS. FILL GAPS BETWEEN BALES WITH LOOSE STRAW.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SEDIMENT BARRIERS IN A CONDITION THAT IS SATISFACTORY TO THE CONTRACTING OFFICER UNTIL FINAL ACCEPTANCE OF WORK.



2 EROSION CONTROL WATTLE CHECK
N.T.S.



3 FLARED END SECTION PROTECTION DETAILS
N.T.S.

4 TEMPORARY EROSION CONTROL BARRIER DETAILS
N.T.S.

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FIELD MWJ/TGH	FIELD BOOK H25/35
CHECKED .	CHECK DATE .

SHEET TITLE

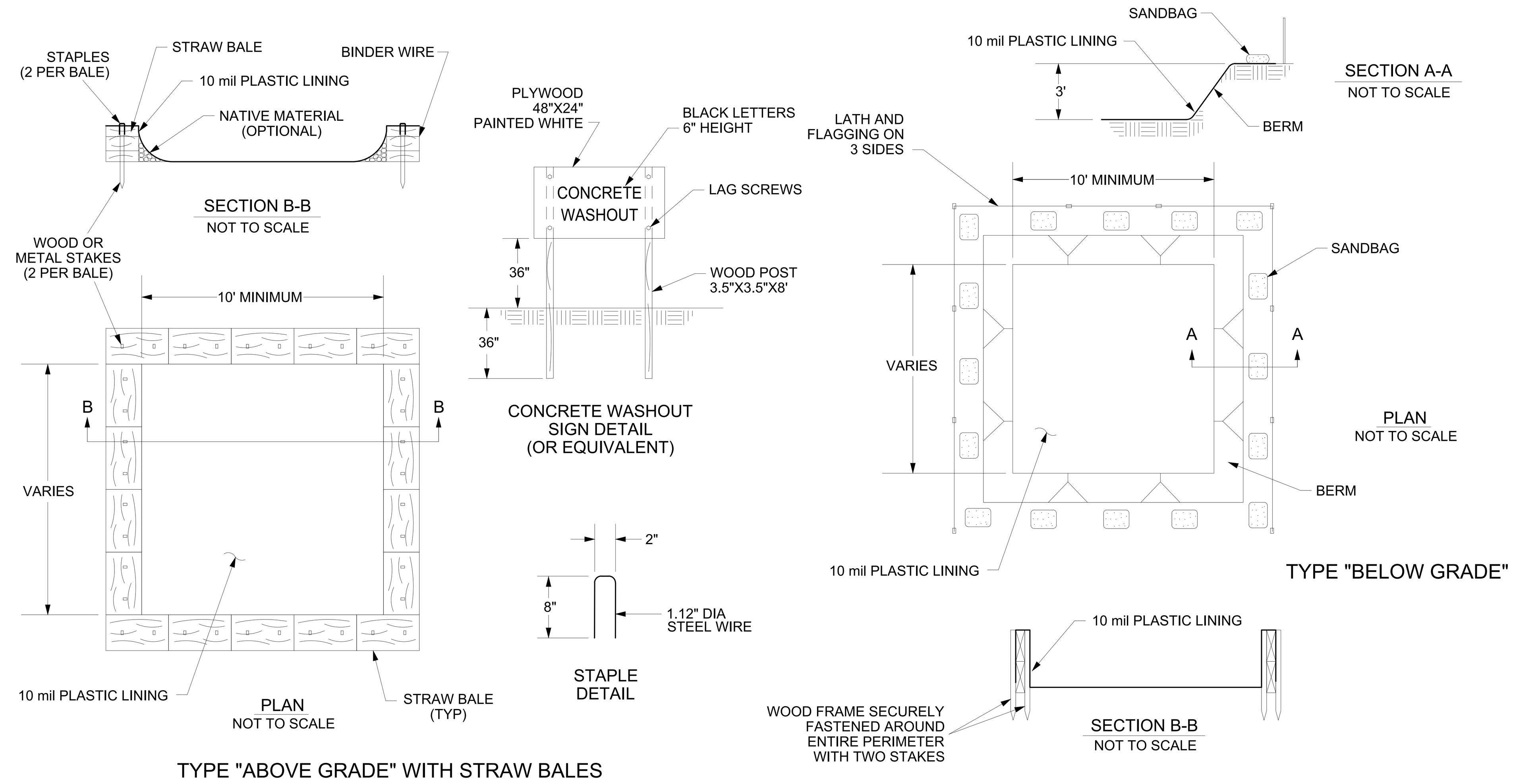
SWPPP

PROJECT NO.
24-5017

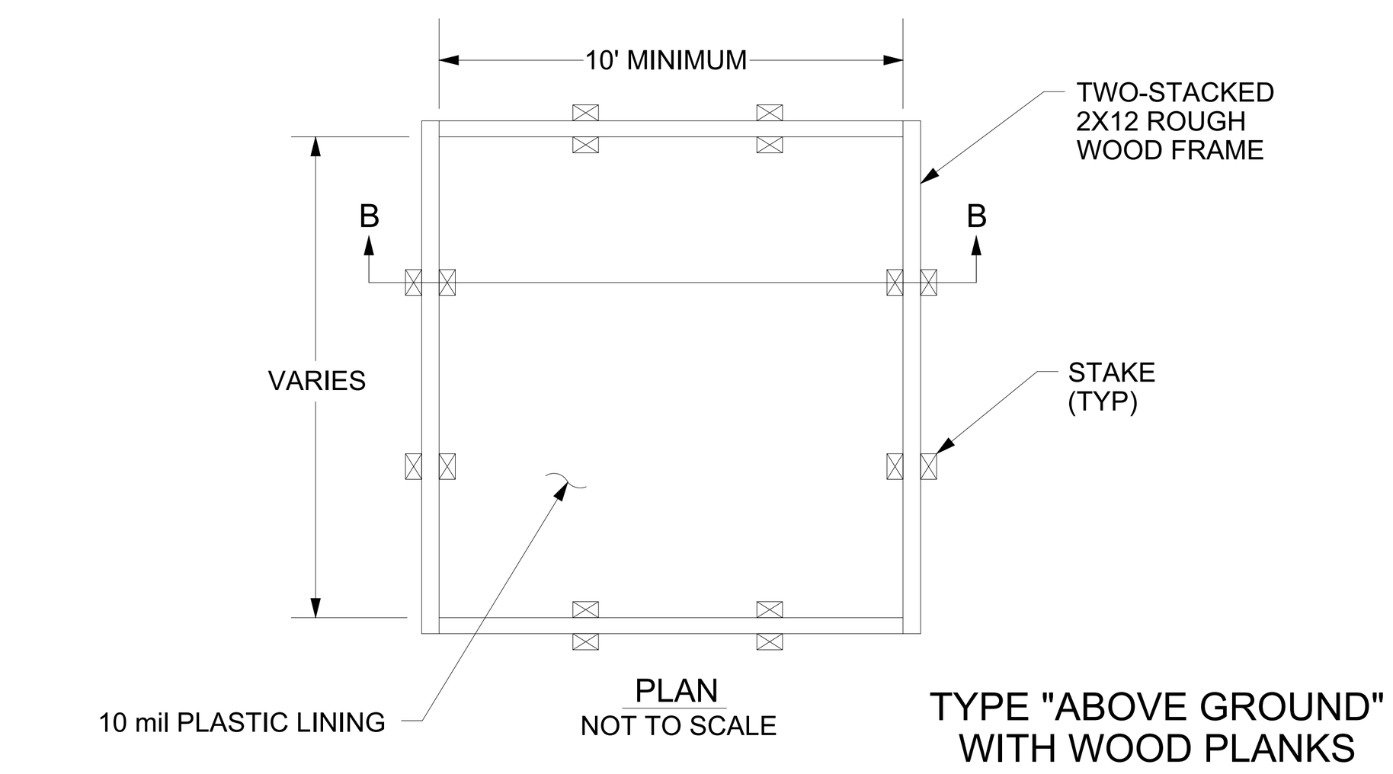
DRAWING ISSUED DATE:
10/30/2025

SHEET

C401



TYPE "ABOVE GRADE" WITH STRAW BALES



TYPE "ABOVE GROUND" WITH WOOD PLANKS

NOTES

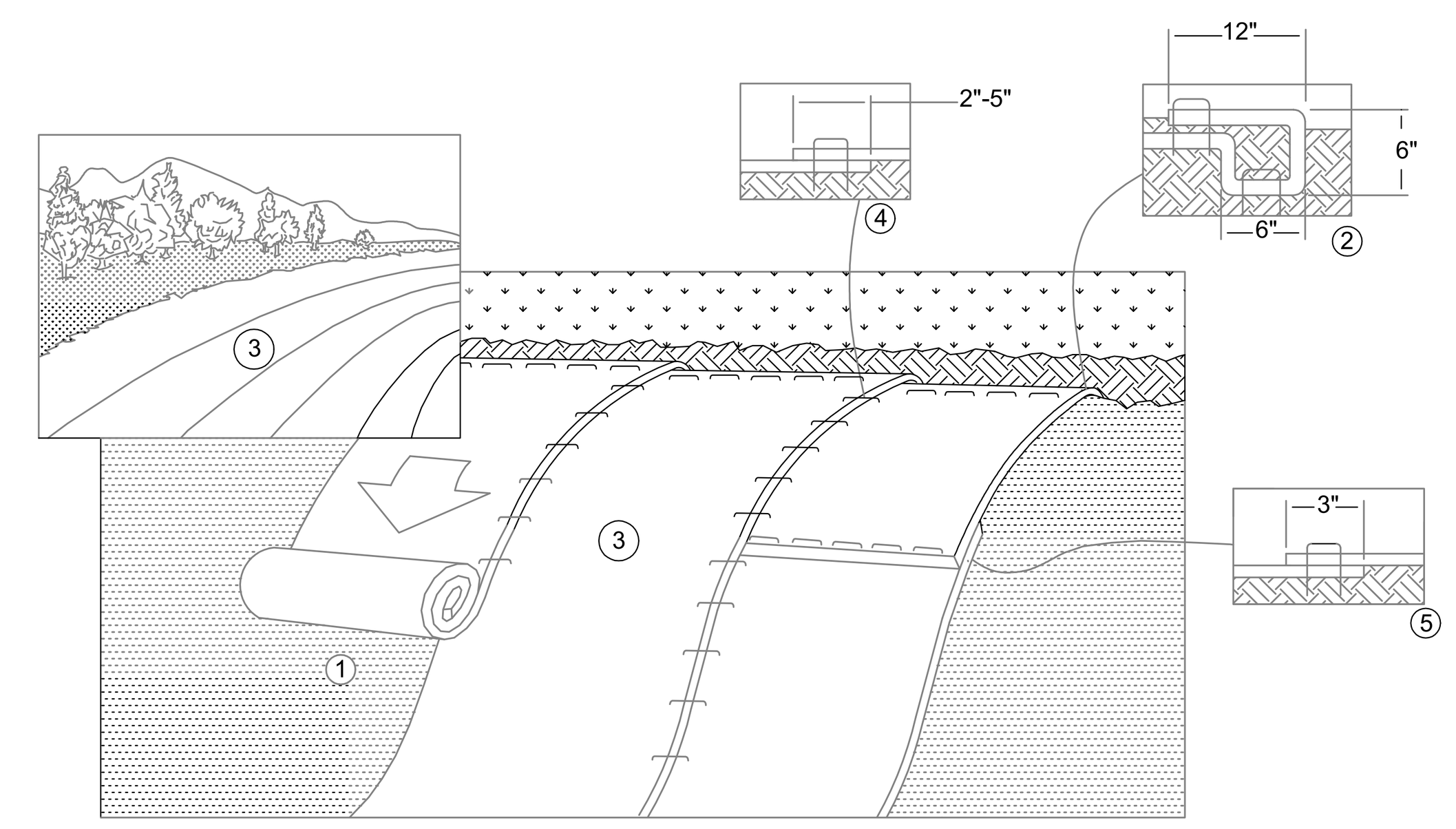
1. ACTUAL LAYOUT TO BE DETERMINED IN THE FIELD.

2. A CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

3. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF OR RECYCLED.

4. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED, REPAIRED, AND STABILIZED TO PREVENT EROSION.

(1) CONCRETE WASH OUT DETAIL
N.T.S.



1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP'S), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. SEEDING WILL BE COMPLETED BY THE CONTRACTOR. COORDINATE PROPER TIMING FOR THE SEEDING AND EROSION BLANKET INSTALLATION.

2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP's IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF RECP's EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP's WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENACH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP's BACK OVER SEED AND COMPACTED SOIL. SECURE RECP's OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE RECP's.

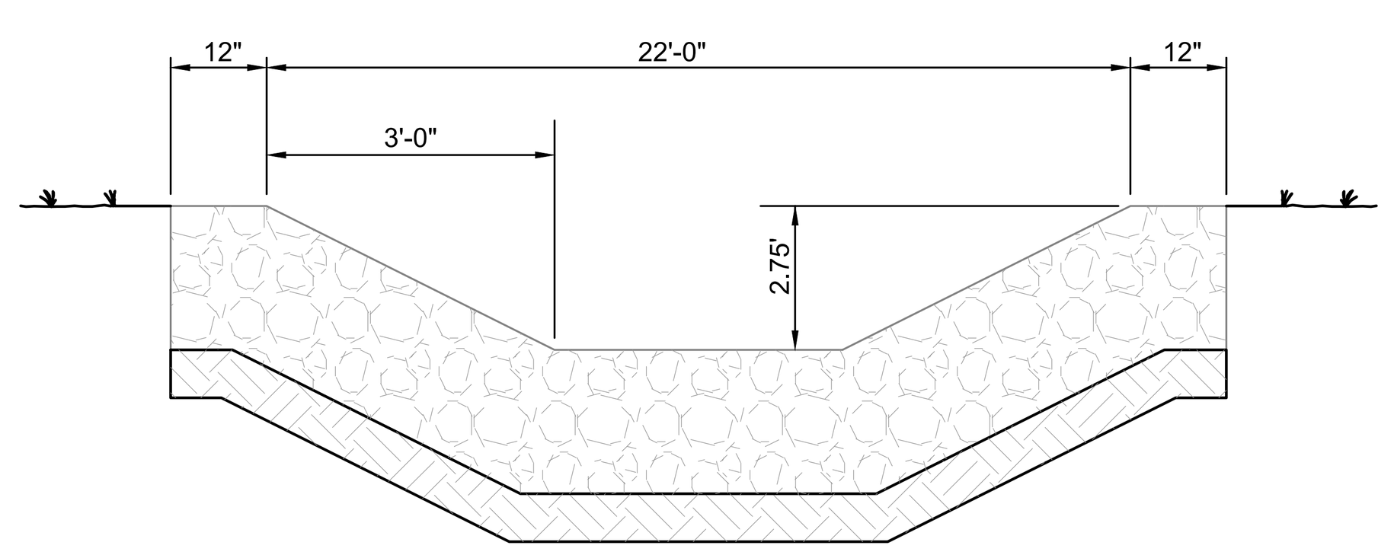
3. ROLL THE RECP's (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. RECP's WILL UNROLL WITH APPROXIMATE SIDE AGAINST THE SOIL SURFACE. ALL RECP's MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROXIMATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.

4. THE EDGES OF PARALLEL RECP's MUST BE STAPLED WITH APPROXIMATELY 2" - 54" OVERLAP DEPENDING ON RECP,s TYPE.

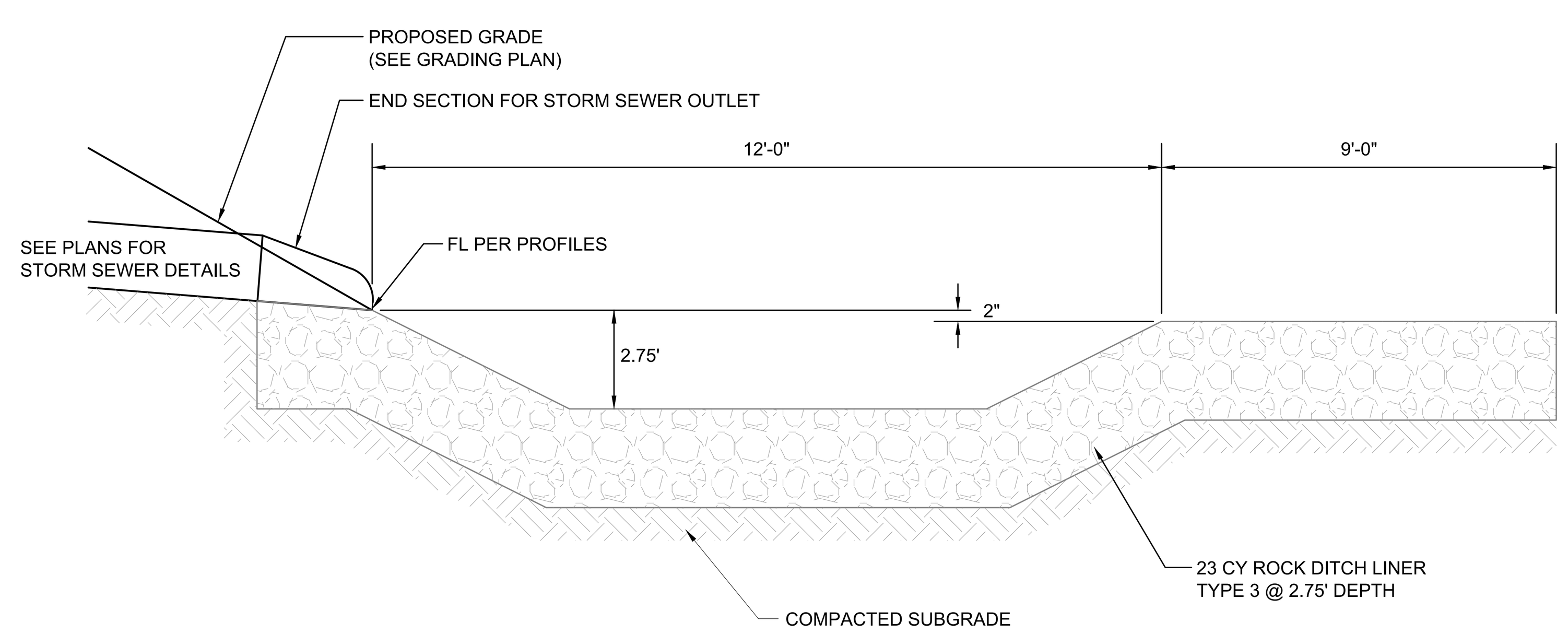
5. CONSECUTIVE RECP's SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE RECP's WIDTH.
NOTE:
IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE RECP's.

6. EROSION CONTROL BLANKET SHALL BE USED ON ALL SLOPES 4:1 AND STEEPER.

(2) EROSION CONTROL BLANKET INSTALLATION DETAILS
N.T.S.

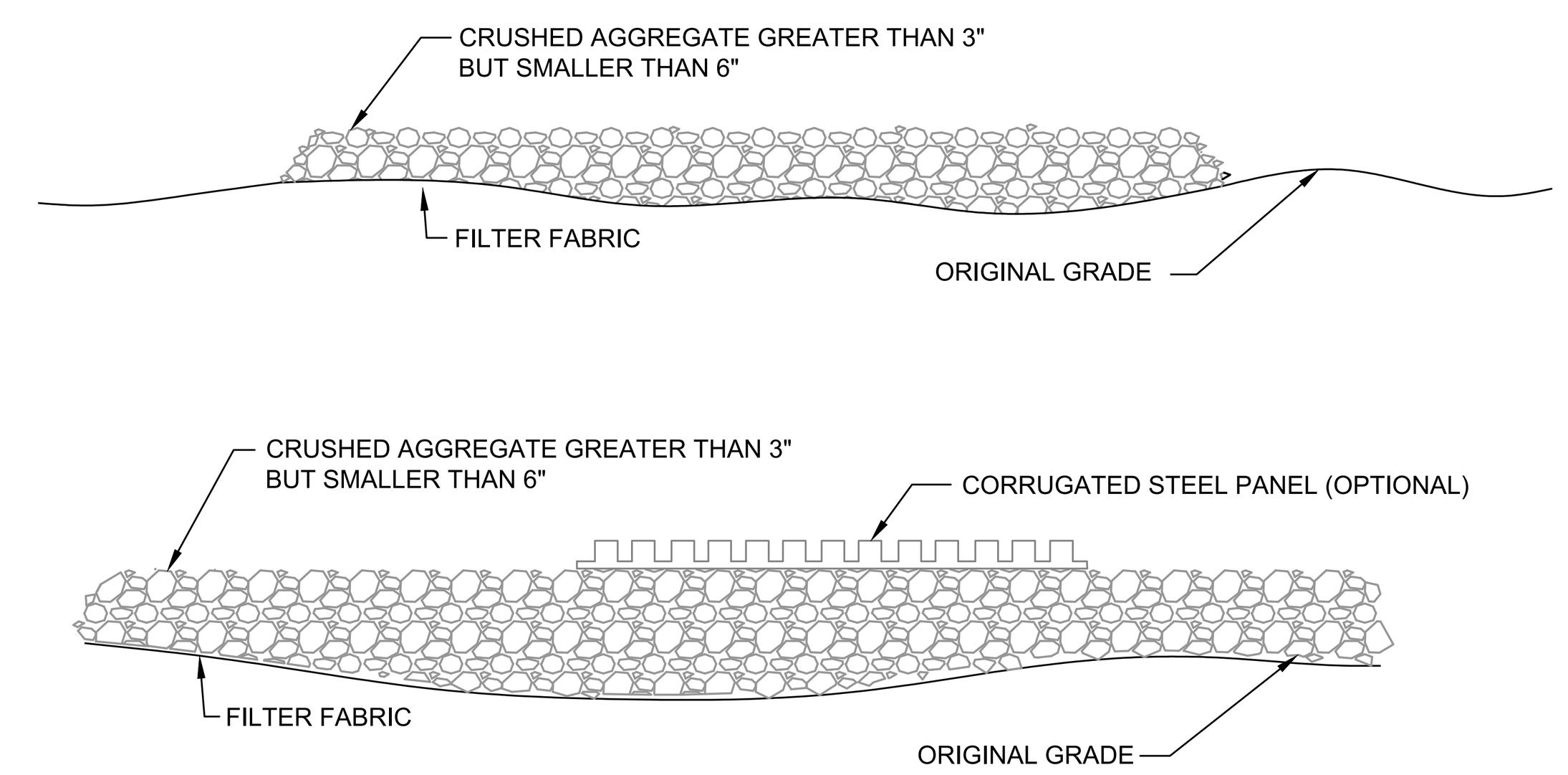


CROSS SECTION

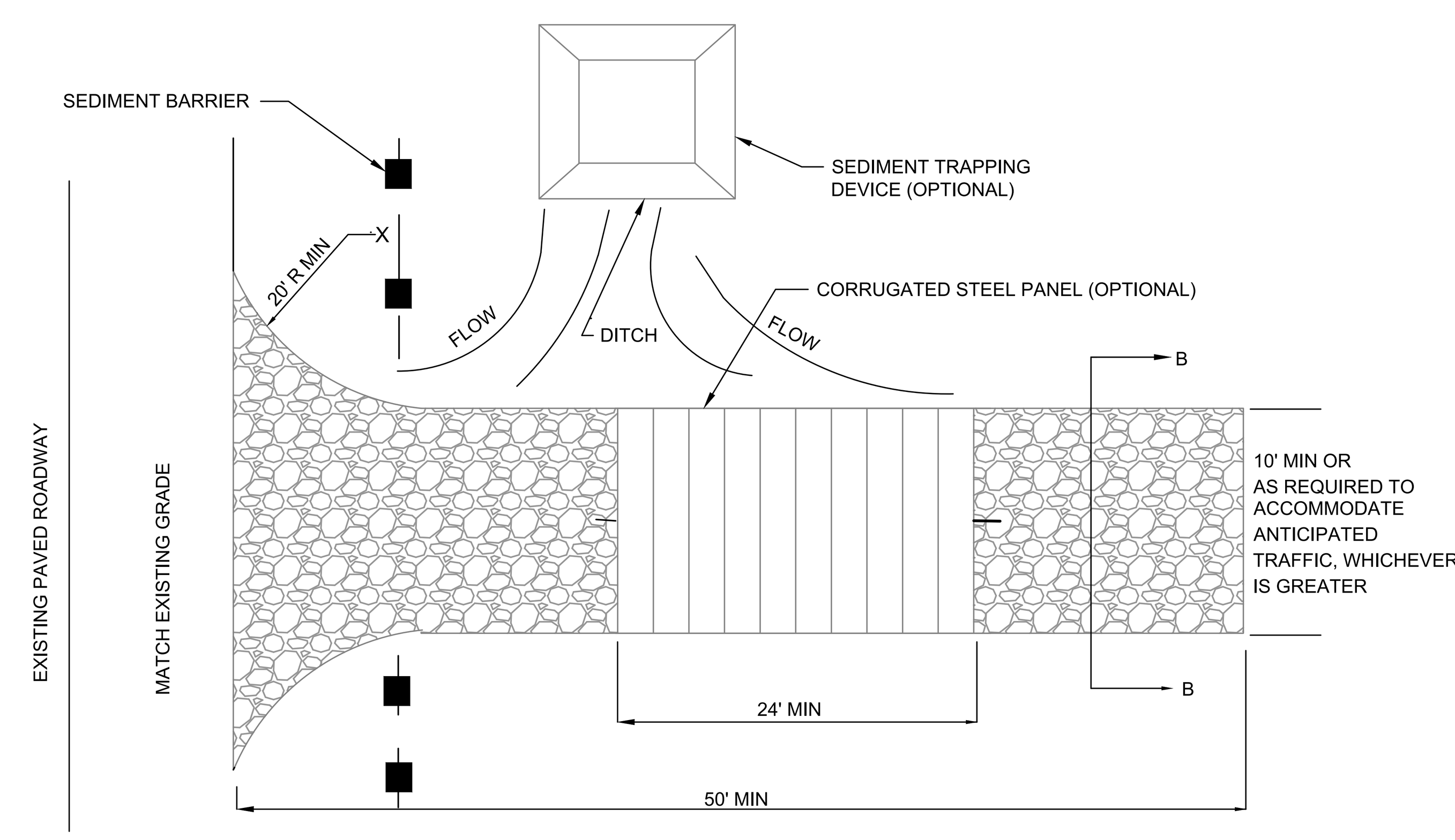


LONGITUDINAL SECTION

(3) STORM SEWER OUTLET ENERGY DISSIPATING BASIN
N.T.S.



SECTION



PLAN

(4) CONSTRUCTION ENTRANCE/EXIT
N.T.S.

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616 North 24th Street
217.223.3670
Hannibal, MO Burlington, IA
Galesburg, IL Pella, IA Davenport, IA,
Columbia, MO Carbondale, IL

REVISION HISTORY

MARK	DESCRIPTION	DATE	APPR
△ .	.	.	.

ISSUED FOR 10/30/2025

90% CD REVIEW

PRELIMINARY NOT FOR CONSTRUCTION

NEW ALL PURPOSE FIELD AND PARKING LOT

HALLSVILLE R-IV SCHOOLD DISTRICT
411 E. HIGHWAY 124
HALLSVILLE, MO 65255

Non-Reduced Sheet Size: 30" x 42"

Full sized plans have been prepared using standard scales. Reduced size plans may not conform to standard scales.

DESIGNED DCD	DRAWN DCD/DDR
FIELD MWJ/TGH	FIELD BOOK H25/35
CHECKED .	CHECK DATE .

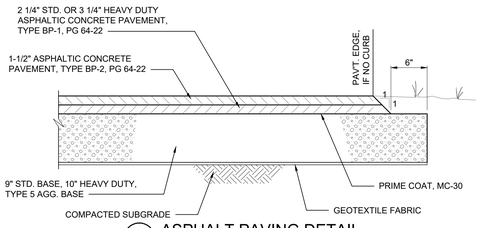
SHEET TITLE

SWPPP DETAILS

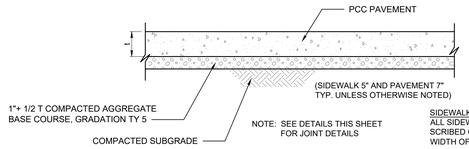
PROJECT NO.
24-5017

DRAWING ISSUED DATE:
10/30/2025

SHEET
C402



1 ASPHALT PAVING DETAIL
N.T.S.



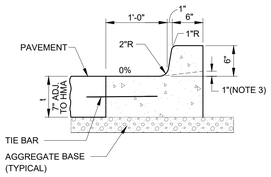
2 PCC PAVING DETAIL
N.T.S.

SIDEWALK NOTES:
ALL SIDEWALK JOINTS SHALL BE SCRIBED OR EDGED, MAX. SPACING = WIDTH OF SIDEWALK

1/2" EXP. JTS. W/ POLYURETHANE SEALER AT MAX. 50' INTERVALS

MAXIMUM 2.0% CROSS SLOPE

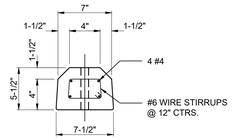
MAXIMUM LONGITUDINAL SLOPE SHALL NOT EXCEED 5%



3 CONCRETE CURB & GUTTER
N.T.S.

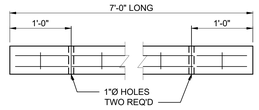
CURB NOTES:

1. JOINTS SHALL BE PROVIDED IN PROLONGATION WITH PAVEMENT JOINTS OR A MAXIMUM OF 15' CENTERS. TOOLED 1" EXPANSION JOINTS WITH 2-1" DOWELS ON BOTH SIDES OF DRAINAGE STRUCTURES AND AT START OF ALL RADII.
2. POUR CURB INTEGRAL OR INSTALL 2'-6" LONG #4 TIE BARS @ 2'-6" O.C. SHALL BE INSTALLED WHEN PLACED ADJACENT TO PCC PAVEMENT.
3. DEPRESS CURB AT DRIVEWAYS, ALLEYS, AND RAMPS.
4. CONTINUE AGGREGATE BASE (3" MIN. THICKNESS) 6" BEHIND CURB



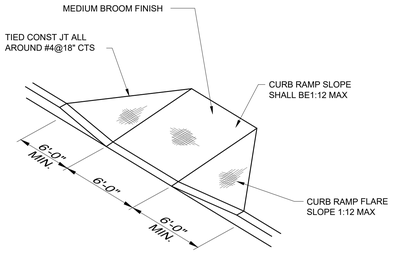
SECTION

USE TWO #6 X 24" LONG REINFORCING RODS TO ANCHOR EACH BUMPER IN PLACE

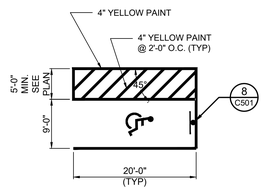


ELEVATIONS

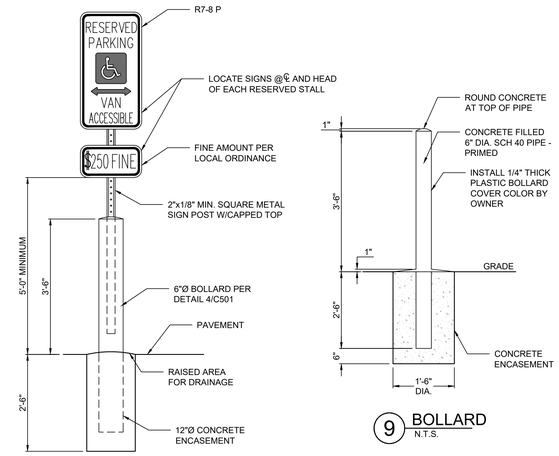
4 CONCRETE PARKING BLOCK
N.T.S.



5 CURB RAMP DETAILS
N.T.S.



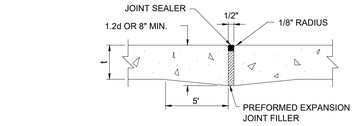
7 ACCESSIBLE STALL DETAILS
N.T.S.



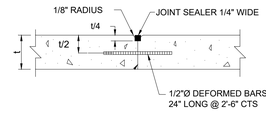
NOTE:
SIGN DIMENSIONS AND COLORS IN ACCORDANCE WITH MUTCD STANDARD R7-8 P

8 ACCESSIBLE PARKING SIGN
N.T.S.

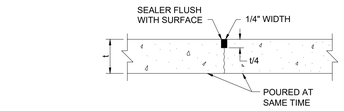
9 BOLLARD
N.T.S.



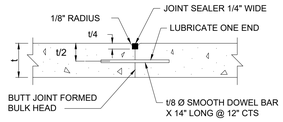
TYPE A
EXPANSION JOINT



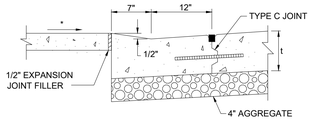
TYPE C
TIED LONGITUDINAL OR TRANSVERSE CONSTRUCTION JOINT



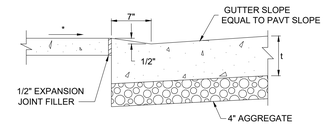
TYPE D
SAWED LONGITUDINAL OR TRANSVERSE



TYPE E
ALTERNATE TRANSVERSE CONSTRUCTION JOINT AT NORMAL SPACING



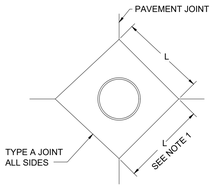
SEPARATE CURB AND GUTTER



INTEGRAL CURB AND GUTTER

* MAX 1:12 SLOPE ON ALL PEDESTRIAN RAMPS

DETAIL A
CURB AND GUTTER AT PEDESTRIAN RAMPS AND DRIVEWAYS



MANHOLE L = 4'-0" MIN.
VALVE BOX L = 2'-0" MIN.

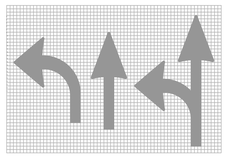
BOXOUT FOR VALVEBOX MAY BE OMITTED WITH APPROVAL OF THE ENGINEER

TYPICAL UTILITY BOXOUT
JOINTS ALL CORNERS

NOTES

1. AT INLETS, MANHOLES, OR OTHER STRUCTURES TRANSVERSE JOINTS SHALL BE SHORTENED ONE OR MORE PANELS EITHER SIDE OF THE STRUCTURE TO PERMIT JOINTS TO FALL AT THE CORNERS OF THE BOXOUT. ONE OR BOTH "L" DIMENSIONS OF THE BOX OUT MAY BE ADJUSTED TO PROVIDE FOR INTERSECTION OF LONGITUDINAL JOINTS AT BOX OUT CORNERS.
2. ALL TRANSVERSE JOINTS MUST EXTEND THROUGH CURBS AND MUST BE CONTINUOUS ACROSS PAVEMENT, EXCEPT TIED TRANSVERSE CONSTRUCTION JOINTS. EXPANSION JOINTS WILL BE REQUIRED AS SHOWN ON PLANS.
3. MAXIMUM TRANSVERSE JOINT SPACING SHALL BE 15 FEET, UNLESS OTHERWISE SPECIFIED.
4. PAVEMENT JOINTS SHALL BE SEALED WITH HOT POUR MATERIAL MEETING THE REQUIREMENTS OF ARTICLE 1050.02 (A.S.T.M. DESIGNATION: D6690, TYPE II).
5. DEFORMED BARS CONFORMING TO THE REQUIREMENTS OF A.A.S.H.T.O., M-31 OR M-53 GRADE 40 SHALL BE USED FOR THE TIE BARS.
6. TYPE B JOINTS WHICH ARE TO BE COATED SHALL RECEIVE TWO COATS OF ASPHALTIC EMULSION PRIOR TO PLACEMENT OF THE ADJACENT PAVEMENT.
7. TYPE 'D' JOINT MAY BE USED IN LIEU OF TYPE 'B' OR 'C' JOINTS WHEN WHEN SLABS ON BOTH SIDES OF JOINT ARE POURED INTERGRAL.
8. SUPPORT PINS FOR THE TIE BARS, WHEN REQUIRED, SHALL BE OF A SIZE AND STRENGTH SUFFICIENT TO FIRMLY HOLD THE BAR IN PLACE.
9. THE ALTERNATE CONSTRUCTION OF INTEGRAL OR SEPARATE COMBINATION CURB AND GUTTER IS AT THE CONTRACTORS OPTION.

6 PAVEMENT JOINT DETAILS
N.T.S.

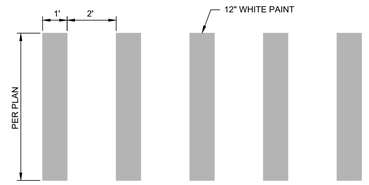


LEGEND HEIGHT	ARROW SIZE	a
6"	SMALL	2.9"
8"	LARGE	3.8"

THE SPACE BETWEEN ADJACENT LETTERS OR NUMERALS SHOULD BE APPROXIMATELY 3 INCHES FOR 6 FOOT LEGEND AND 4 INCHES FOR 8 FOOT LEGEND

NOTES:
1. ALL TRAFFIC FLOW ARROWS TO BE SOLID WHITE REFLECTIVE TRAFFIC PAINT. LARGE SIZE.
2. STOP BARS ARE TO BE WHITE 24" WIDE.
3: CENTER, LANE, AND SKIPDASH LINES 5" WIDE.

10 TRAFFIC FLOW ARROW DETAILS
N.T.S.



11 CROSSWALK DETAILS
N.T.S.

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Columbia, MO Carbondale, IL
616 North 24th Street
217 223 3670

REVISION HISTORY

MARK	DESCRIPTION	DATE	APPR
1			

ISSUED FOR 10/30/2025

90% CD REVIEW

PRELIMINARY NOT FOR CONSTRUCTION

NEW ALL PURPOSE FIELD AND PARKING LOT

HALLSVILLE R-IV SCHOOLD DISTRICT
411 E. HIGHWAY 124
HALLSVILLE, MO 65255

Non-Reduced Sheet Size: 30" x 42"
Full sized plans have been prepared using standard scales. Reduced size plans may not conform to standard scales.

DESIGNED	DRAWN
DCD	DCD/DDR
FIELD	FIELD BOOK
MW/JTGH	H25/35
CHECKED	CHECK DATE

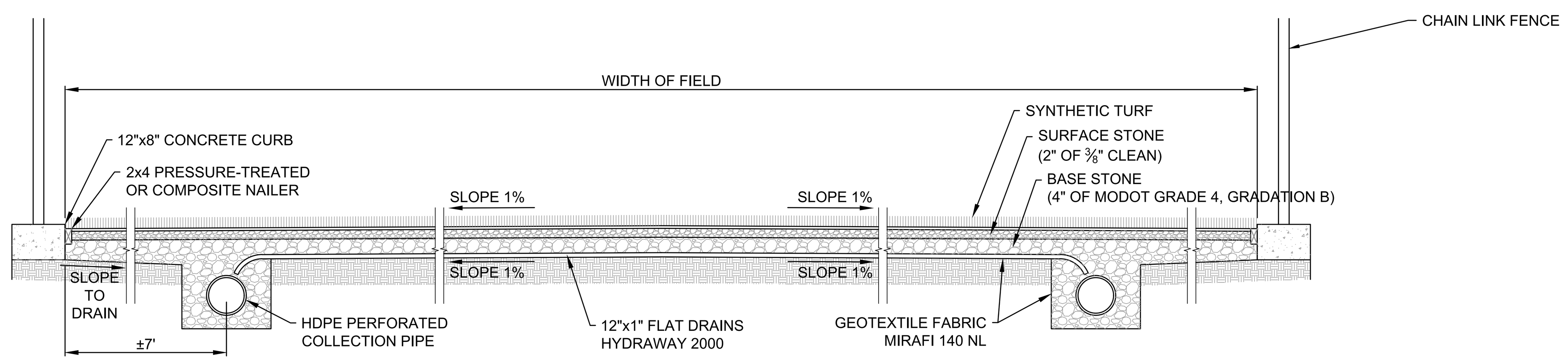
SHEET TITLE

SITE DETAILS

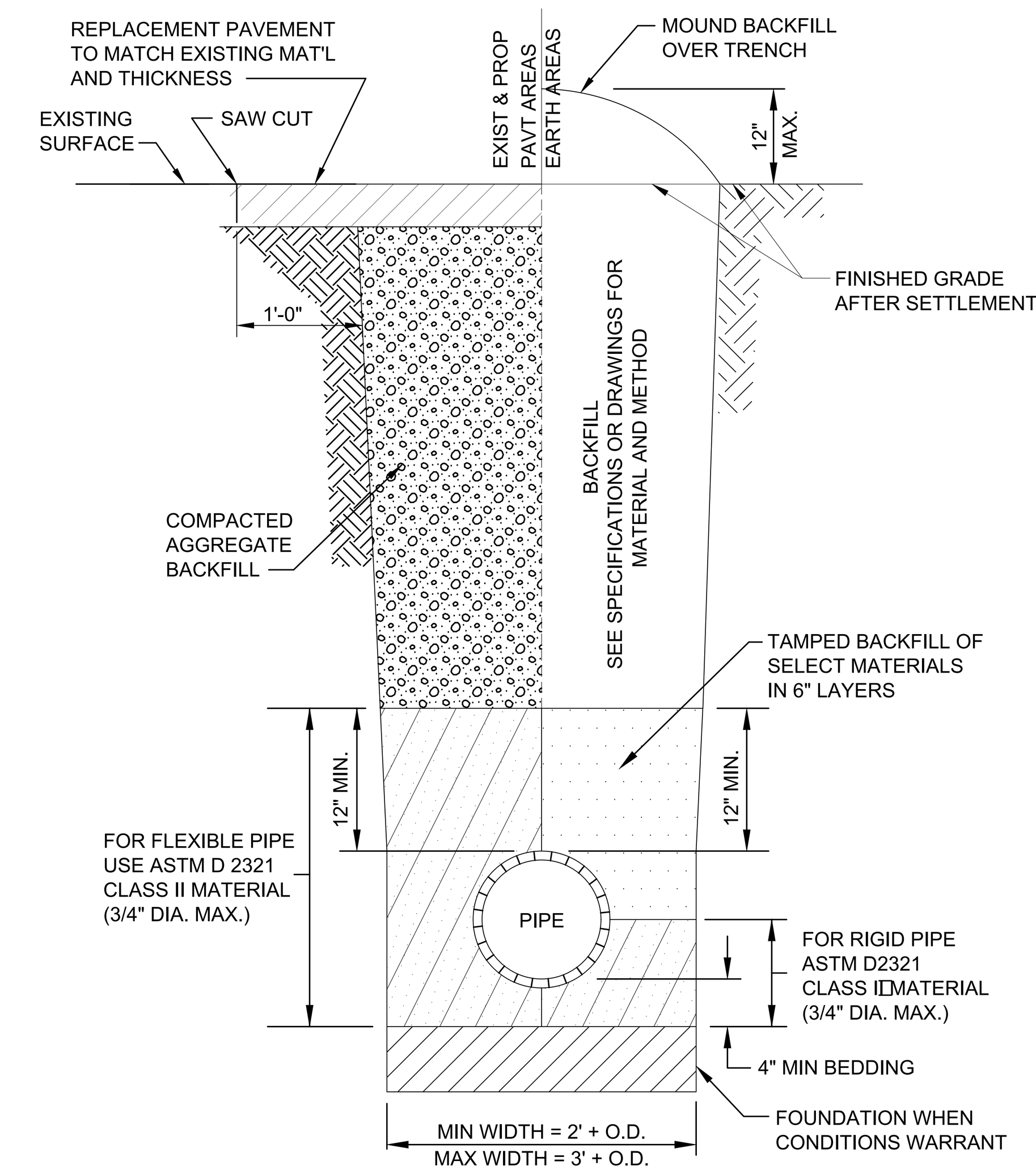
PROJECT NO.
24-5017

DRAWING ISSUED DATE:
10/30/2025

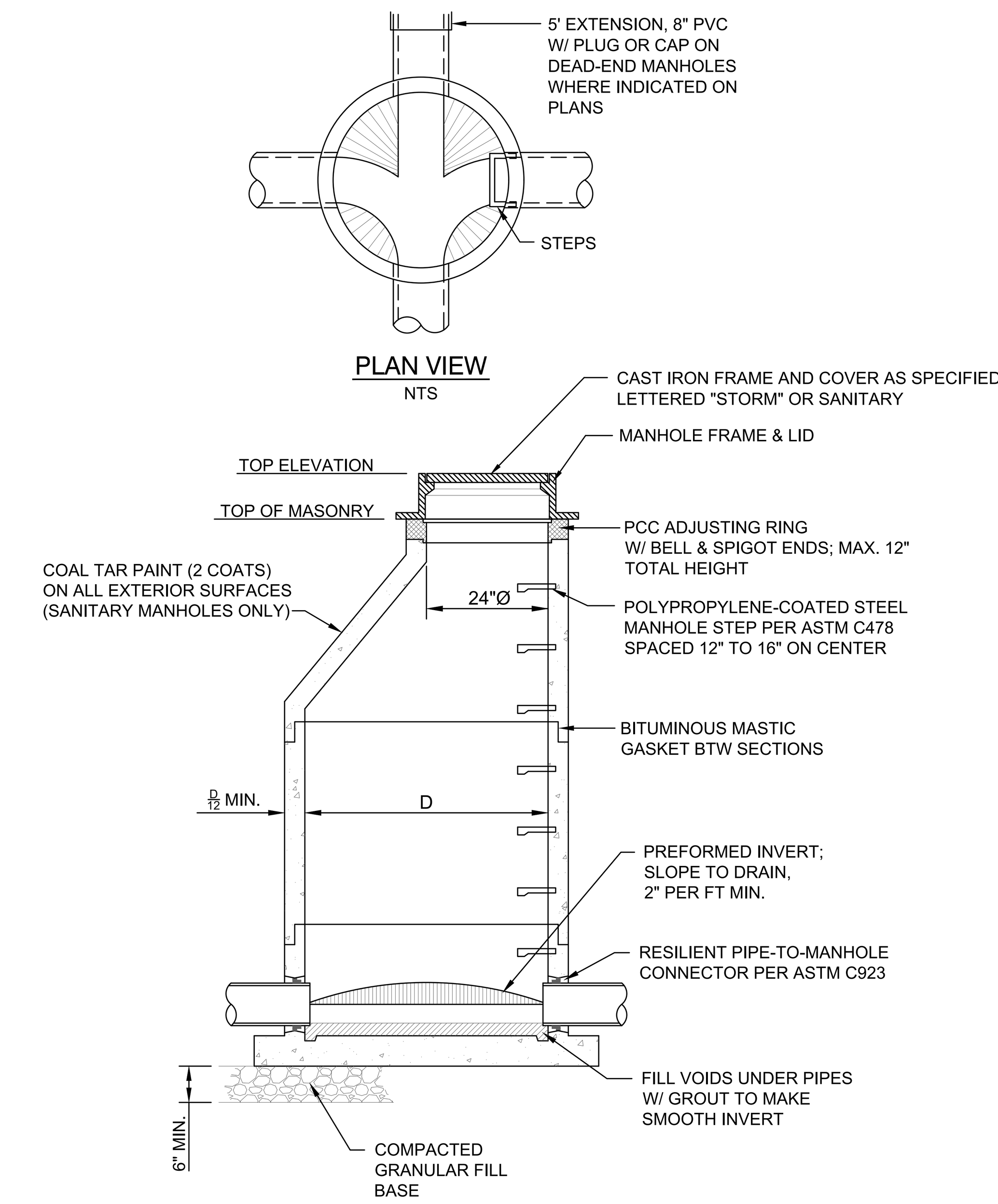
SHEET
C501



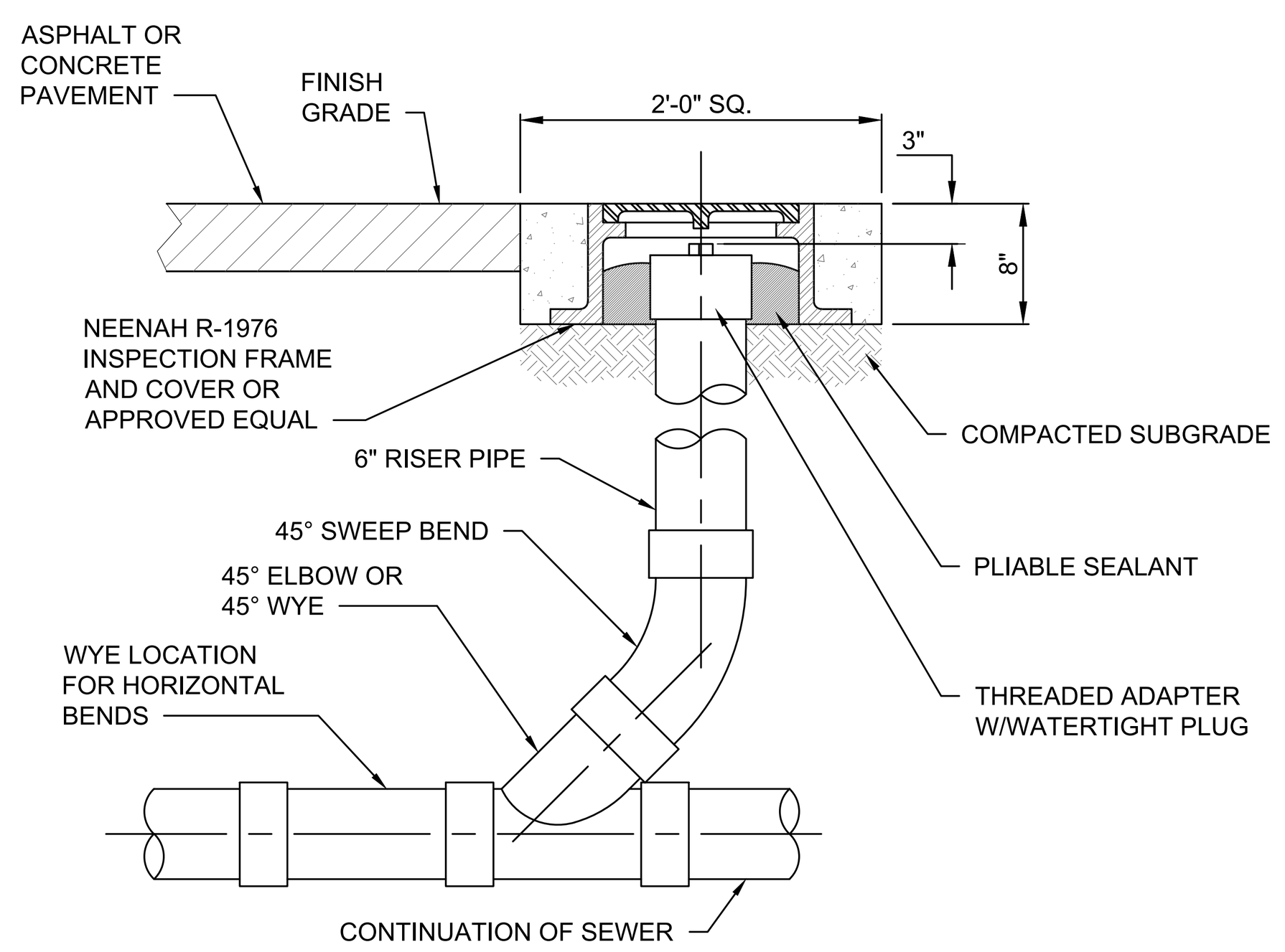
1 TYPICAL MULTI-PURPOSE FIELD SECTION
N.T.S.



2 SEWER TRENCH DETAIL
N.T.S.



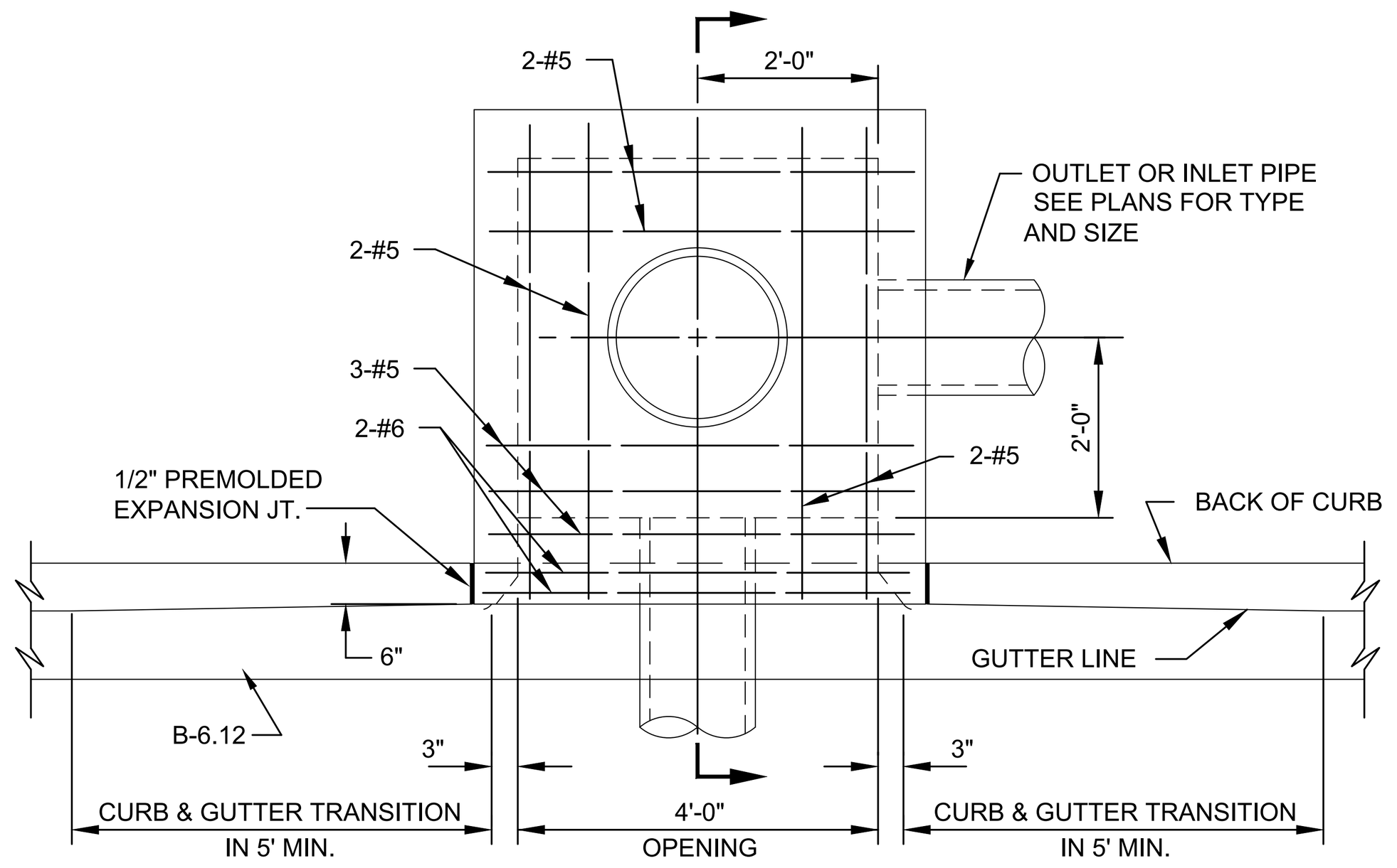
3 STANDARD MANHOLE DETAIL
N.T.S.

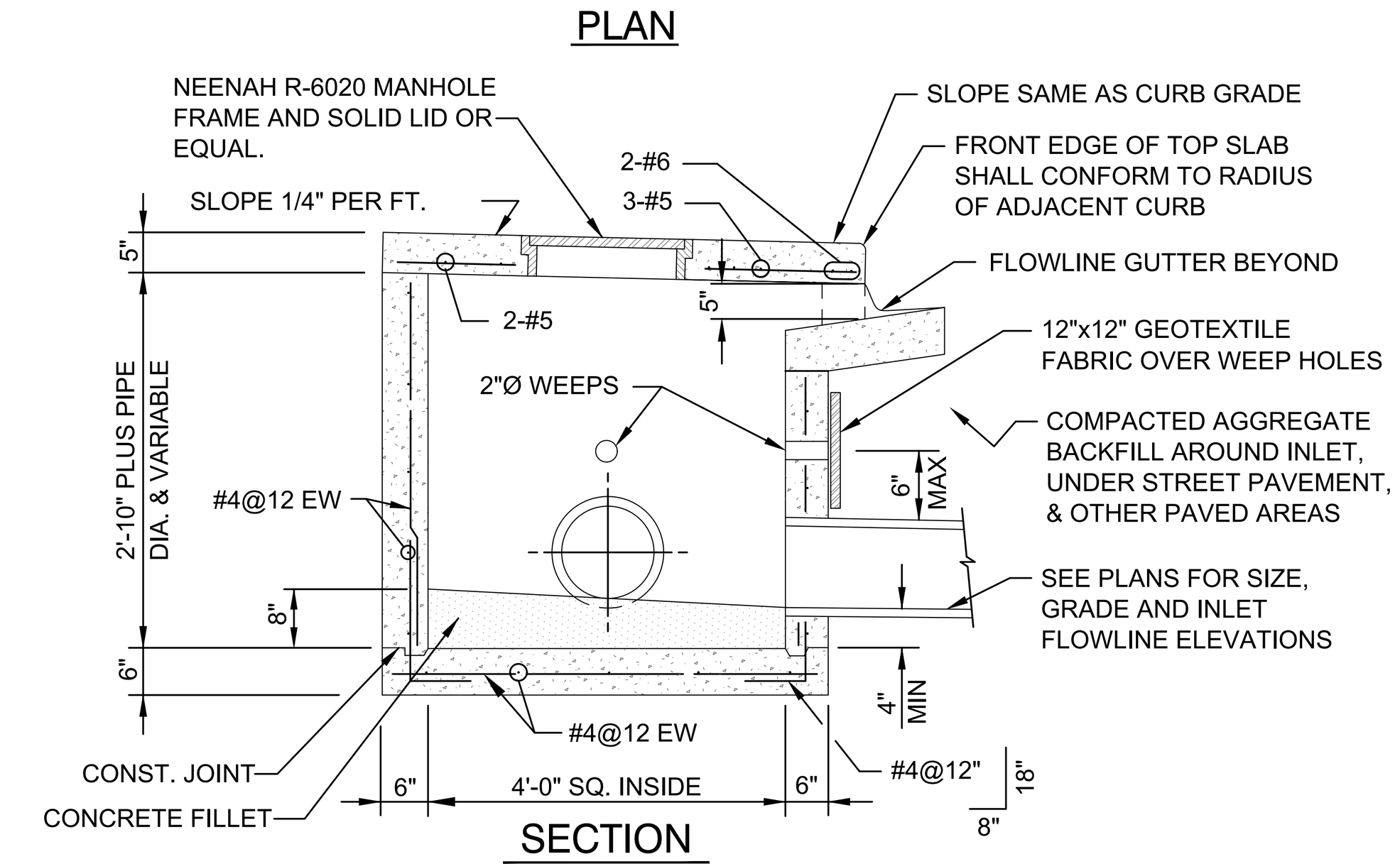


VEHICLE TRAFFIC AREAS

NOTE: THIS DETAIL MAY ALSO BE USED IN PEDESTRIAN TRAFFIC AREAS

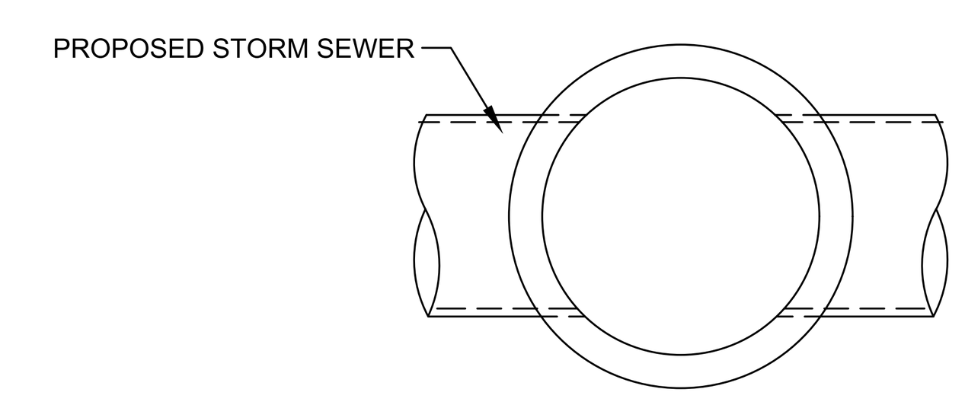
4 CLEANOUT DETAILS
N.T.S.

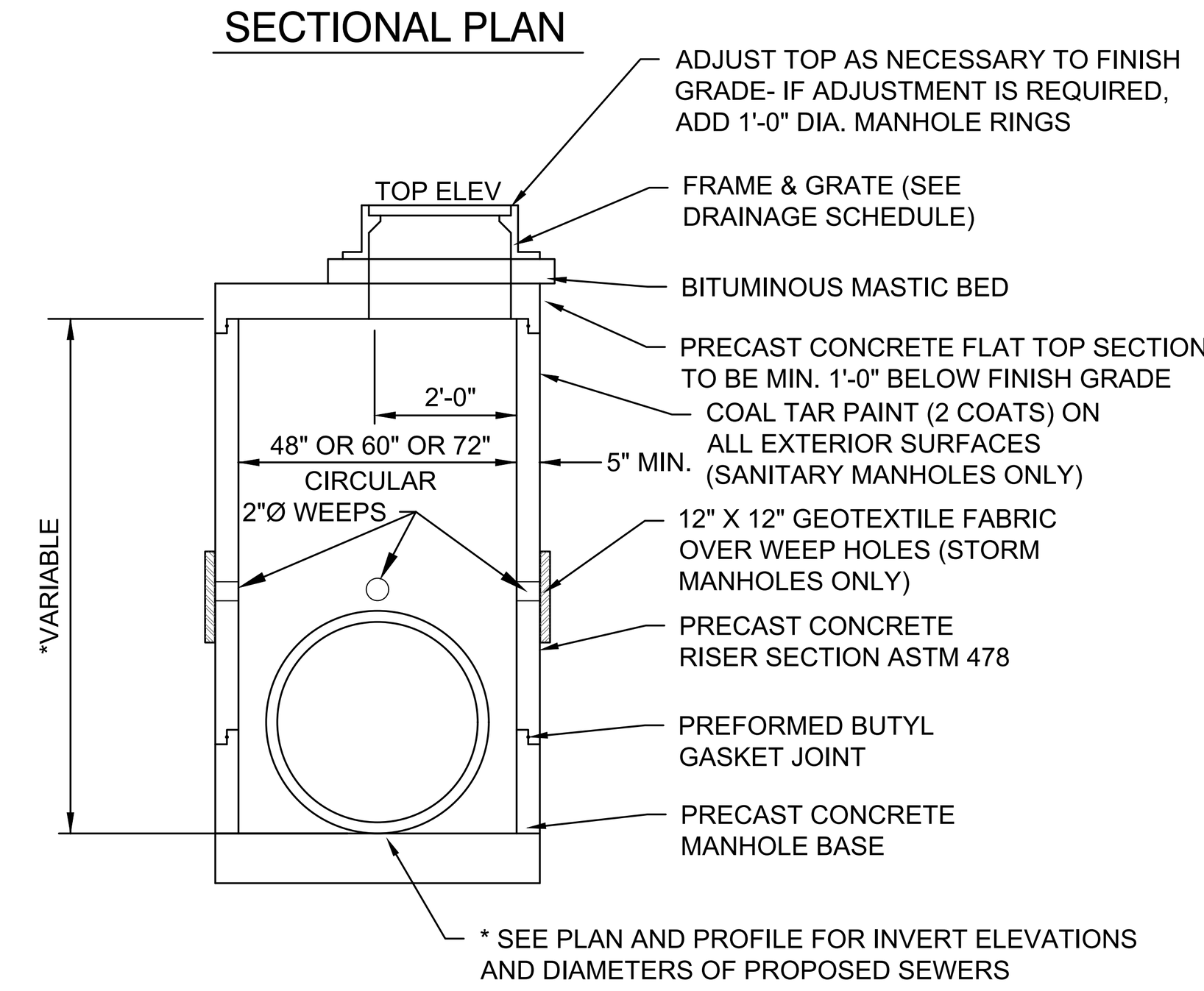




NOTE: INLET MAY BE PRECAST OR CAST-IN-PLACE.

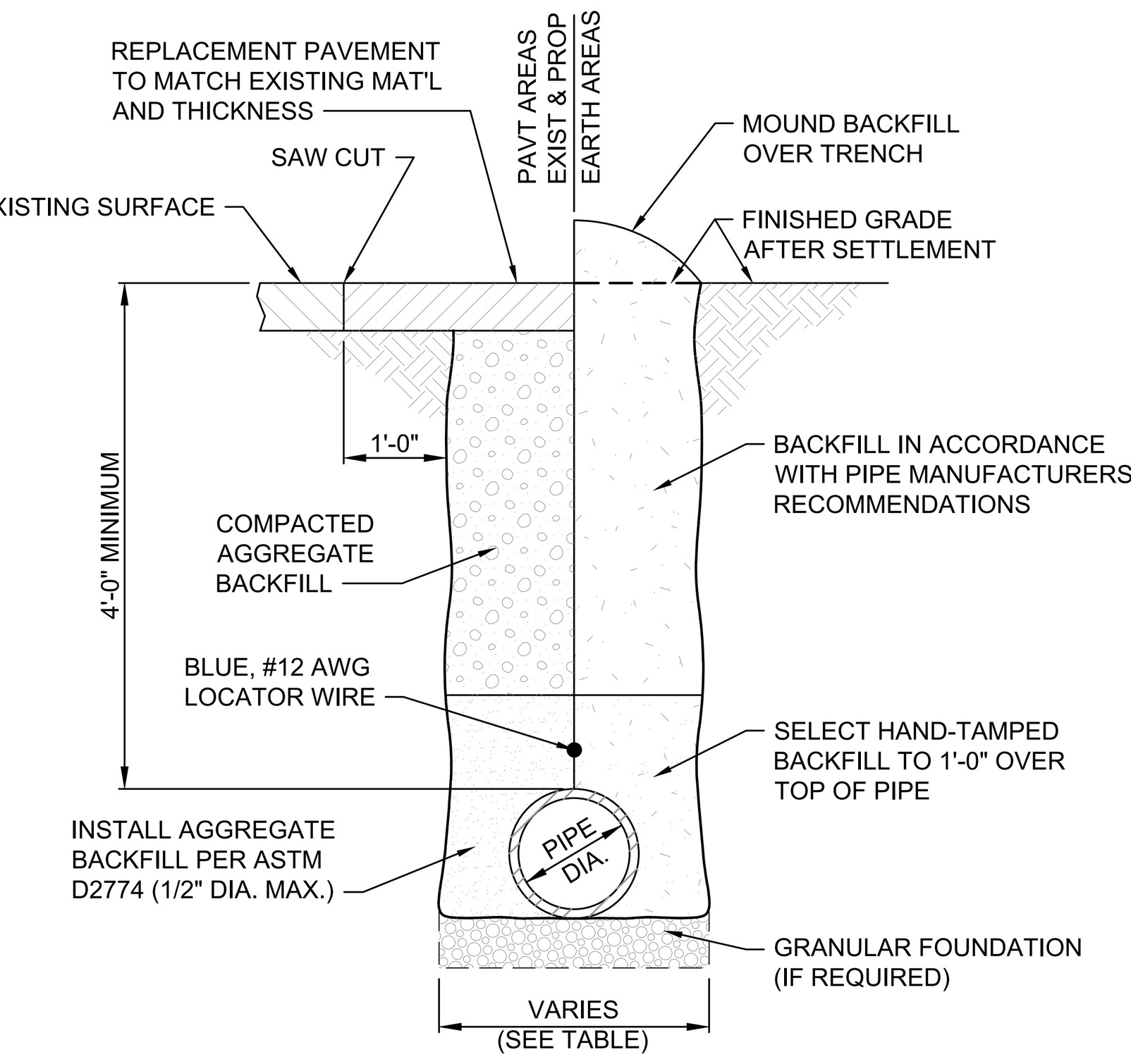
5 INLET, SPECIAL, TYPE E-B-6.12 CURB
N.T.S.





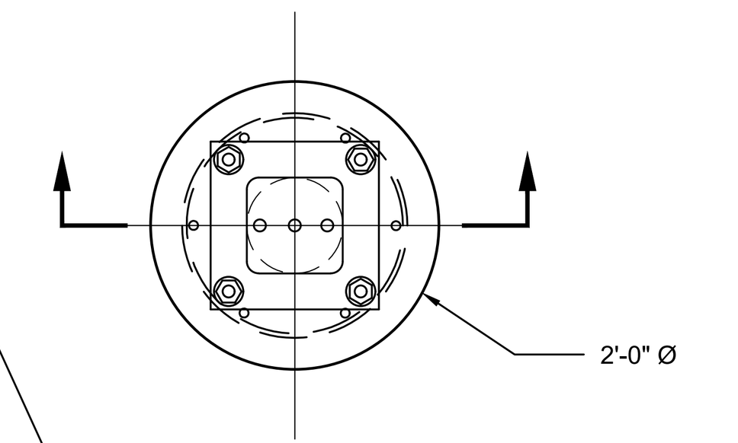
SECTION

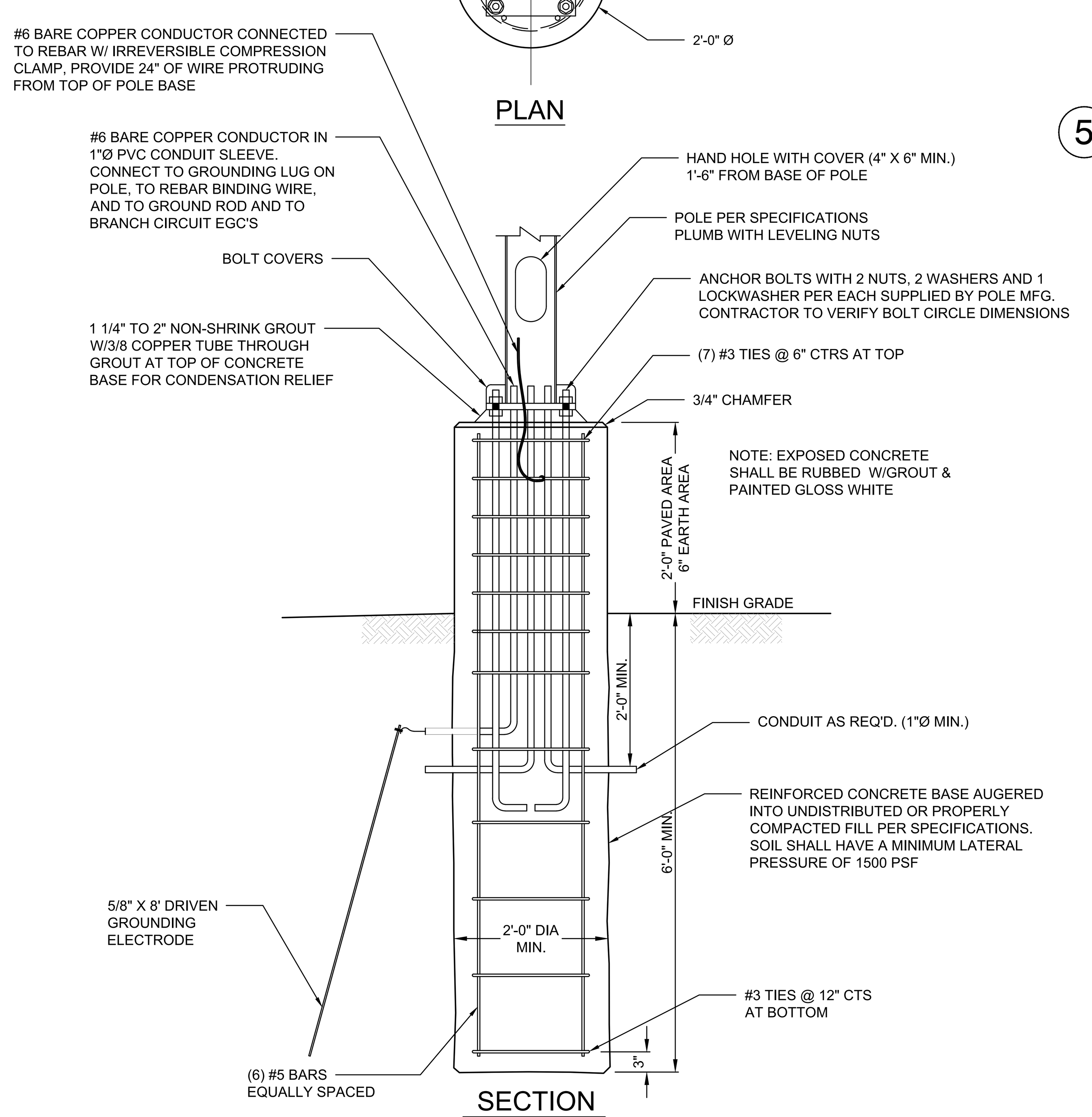
6 FLAT TOP STORM INLET/MANHOLE
N.T.S.



TRENCH WIDTHS		
PIPE DIA.	MAXIMUM	MINIMUM
2"	26"	10"
4"	28"	12"
6"	30"	14"
8"	32"	16"
10"	34"	18"
12"	36"	20"
24"	56"	32"

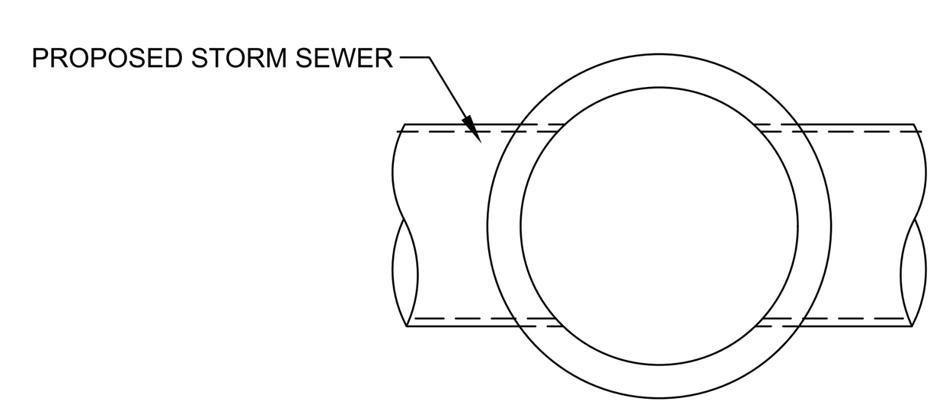
7 WATER PIPE INSTALLATION
N.T.S.

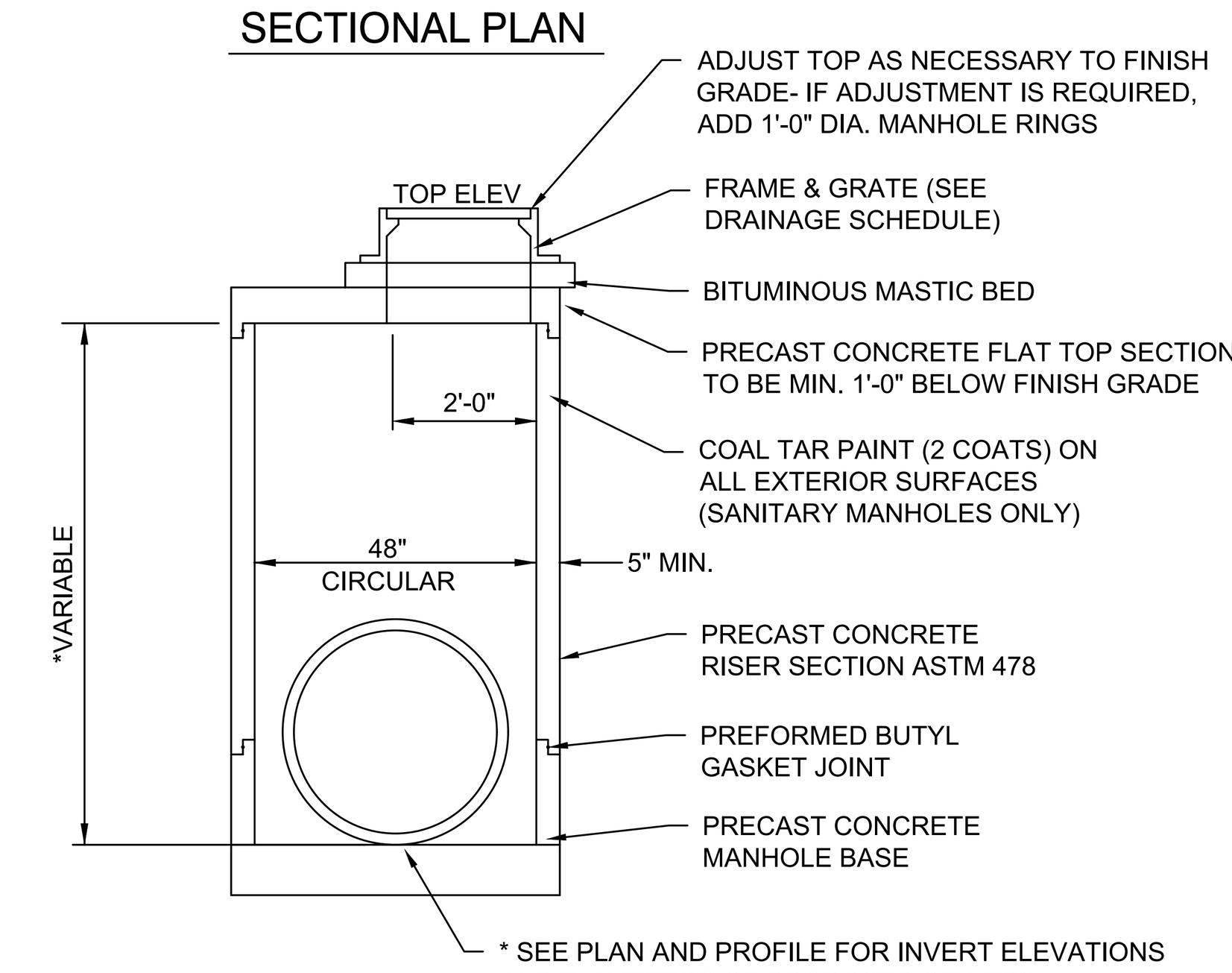




SECTION

8 LIGHTING FIXTURE BASE & FOUNDATION DETAIL
N.T.S.





SECTION

9 FLAT TOP INLET/MANHOLE
N.T.S.

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Columbia, MO Carbondale, IL

REVISION HISTORY

MARK	DESCRIPTION	DATE	APPR

ISSUED FOR 10/30/2025
90% CD REVIEW

PRELIMINARY NOT FOR CONSTRUCTION

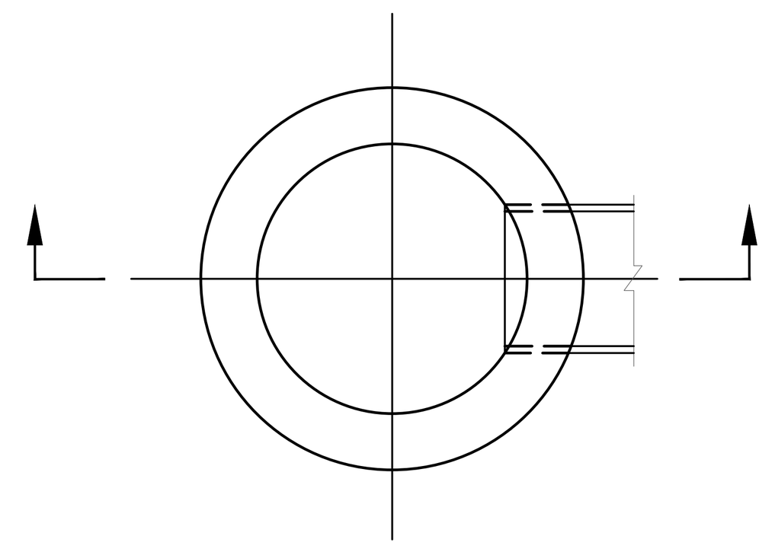
NEW ALL PURPOSE FIELD AND PARKING LOT
HALLSVILLE R-IV SCHOOLD DISTRICT
411 E. HIGHWAY 124
HALLSVILLE, MO 65255

Non-Reduced Sheet Size: 30" x 42"
Full sized plans have been prepared using standard scales. Reduced size plans may not conform to standard scales.

DESIGNED DCD	DRAWN DCD/DDR
FIELD MWJ/TGH	FIELD BOOK H25/35
CHECKED -	CHECK DATE

SHEET TITLE
SITE DETAILS

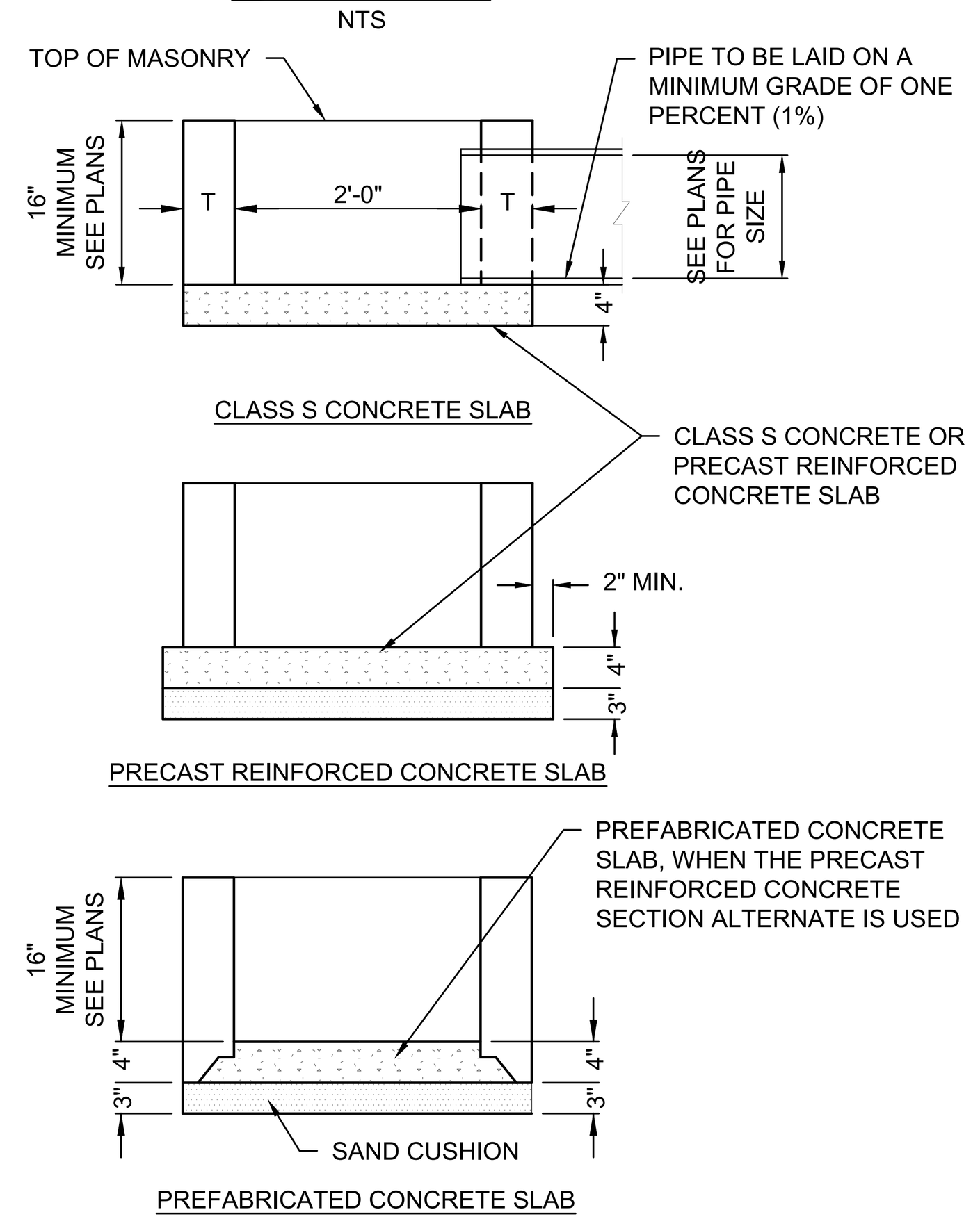
PROJECT NO. 24-5017
DRAWING ISSUED DATE: 10/30/2025
SHEET
C502



PLAN VIEW

NTS

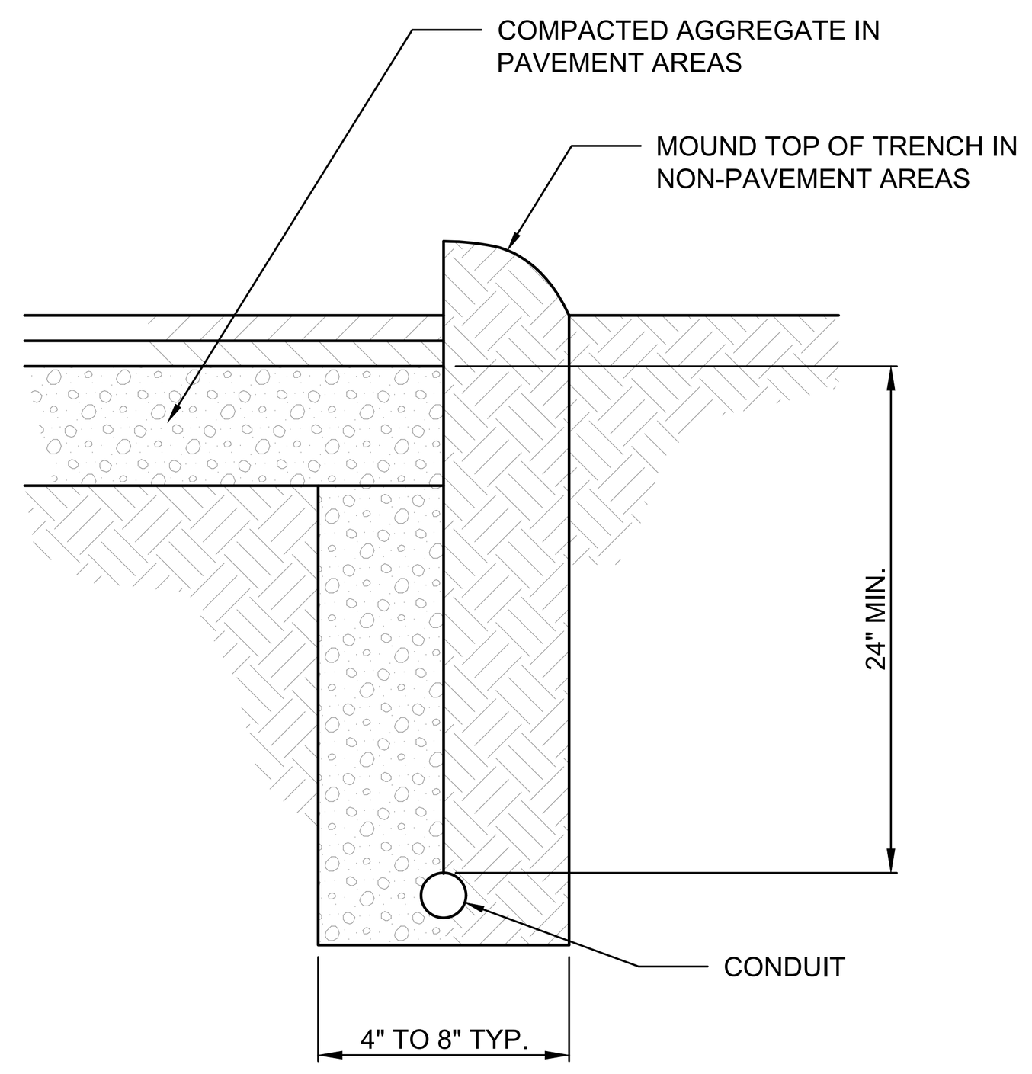
ALTERNATE MATERIALS FOR WALLS	T
PRECAST REINFORCED CONCRETE SECTIONS	3"
CONCRETE MASONRY UNITS	5"
CAST IN PLACE CONCRETE	6"



SECTION

1 TYPE "A" INLET DETAIL

N.T.S.



1. BACKFILL AND COMPACT TRENCHES EVENLY, LEAVING A MOUND ON THE SURFACE FOR FUTURE SETTLING IN NON-PAVEMENT AREAS.
2. ALL TRENCHES UNDER PAVEMENT AREAS SHALL BE BACKFILLED WITH COMPACTED AGGREGATE TO 95% STANDARD PROCTOR DENSITY. COMPACTED IN 8" MAX. LIFTS

2 TYPICAL ELECTRIC TRENCH DETAIL

N.T.S.

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HALLSVILLE, MO 65255

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DESIGNED DCD	DRAWN DCD/DDR
FIELD MWJ/TGH	FIELD BOOK H25/35
CHECKED .	CHECK DATE .

SHEET TITLE

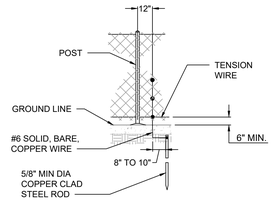
SITE DETAILS

PROJECT NO. 24-5017

DRAWING ISSUED DATE: 10/30/2025

SHEET

C503

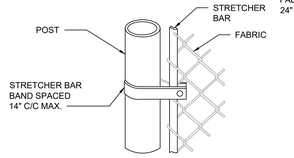


STANDARD GROUND

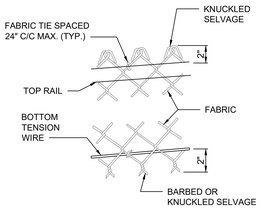
PROTECTIVE ELECTRICAL GROUNDS

CONTINUOUS FENCE SHALL BE GROUNDED AT INTERVALS NOT EXCEEDING 500 FEET. THERE SHALL BE A GROUND WITHIN 100 FEET OF GATES IN EACH SECTION OF THE FENCE ADJACENT TO THE GATE.

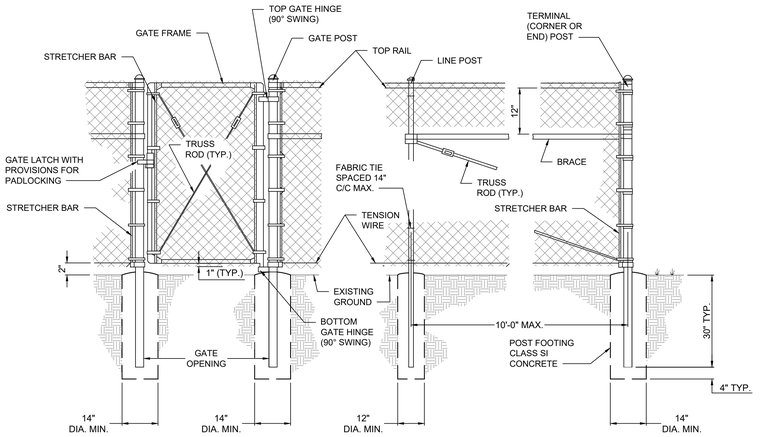
THE GROUND WIRE SHALL BE CONNECTED TO THE FABRIC AND THE GROUND ROD BY A MECHANICAL CLAMP OF CAST BRONZE OR STAINLESS STEEL BOLTS AND WASHERS.



METHOD OF FASTENING
STRETCHER BAR TO POST



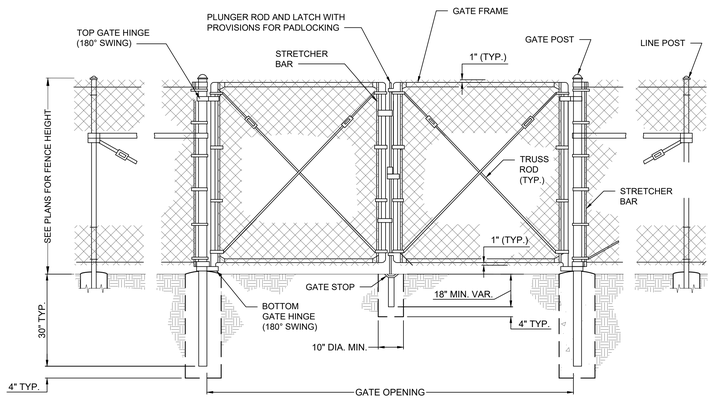
METHOD OF TYING
FABRIC TO TENSION WIRES



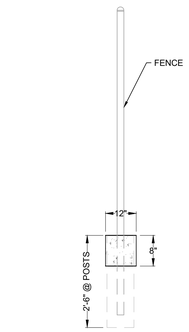
PEDESTRIAN GATE

LINE POST

CORNER
OR
END POST



VEHICLE GATE



1 FENCE/BORDER DETAIL
N.T.S.

2 CHAIN LINK FENCE DETAIL
N.T.S.

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Fort Madison, IA Decatur, IA
Gatesburg, IL Keokuk, IA
Columbia, MO Carbondale, IL

REVISION HISTORY

MARK	DESCRIPTION	DATE	APPR
1			

ISSUED FOR 10/30/2025

90% CD REVIEW

PRELIMINARY NOT FOR CONSTRUCTION

NEW ALL PURPOSE FIELD AND PARKING LOT

HALLSVILLE R-IV SCHOOLD DISTRICT
411 E. HIGHWAY 124
HALLSVILLE, MO 65255

Non-Reduced Sheet Size: 30" x 42"
Full sized plans have been prepared using standard scales. Reduced size plans may not conform to standard scales.

DESIGNED	DRAWN
DCD	DCD/DDR
FIELD	FIELD BOOK
MW/JTGH	H25/35
CHECKED	CHECK DATE
	- -

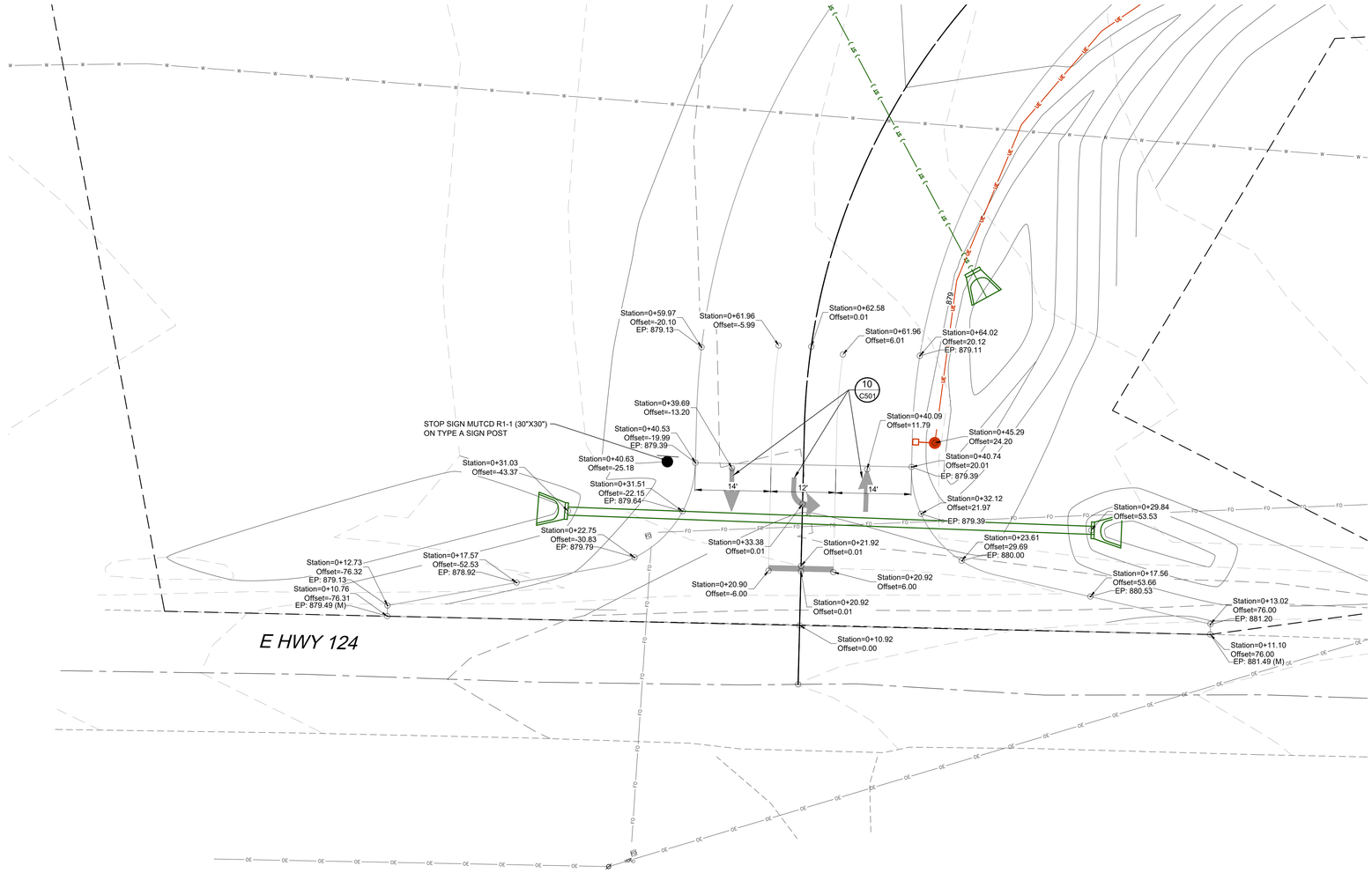
SHEET TITLE

FENCE DETAILS

PROJECT NO.
24-5017

DRAWING ISSUED DATE:
10/30/2025

SHEET
C504



1 INTERSECTION DETAIL EAST HIGHWAY 124 AND PROPOSED ROADWAY
SCALE: 1"=10'-0"

N
0 10' 20'
SCALE: 1" = 10'

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INTERSECTION DETAILS

PROJECT NO.
24-5017
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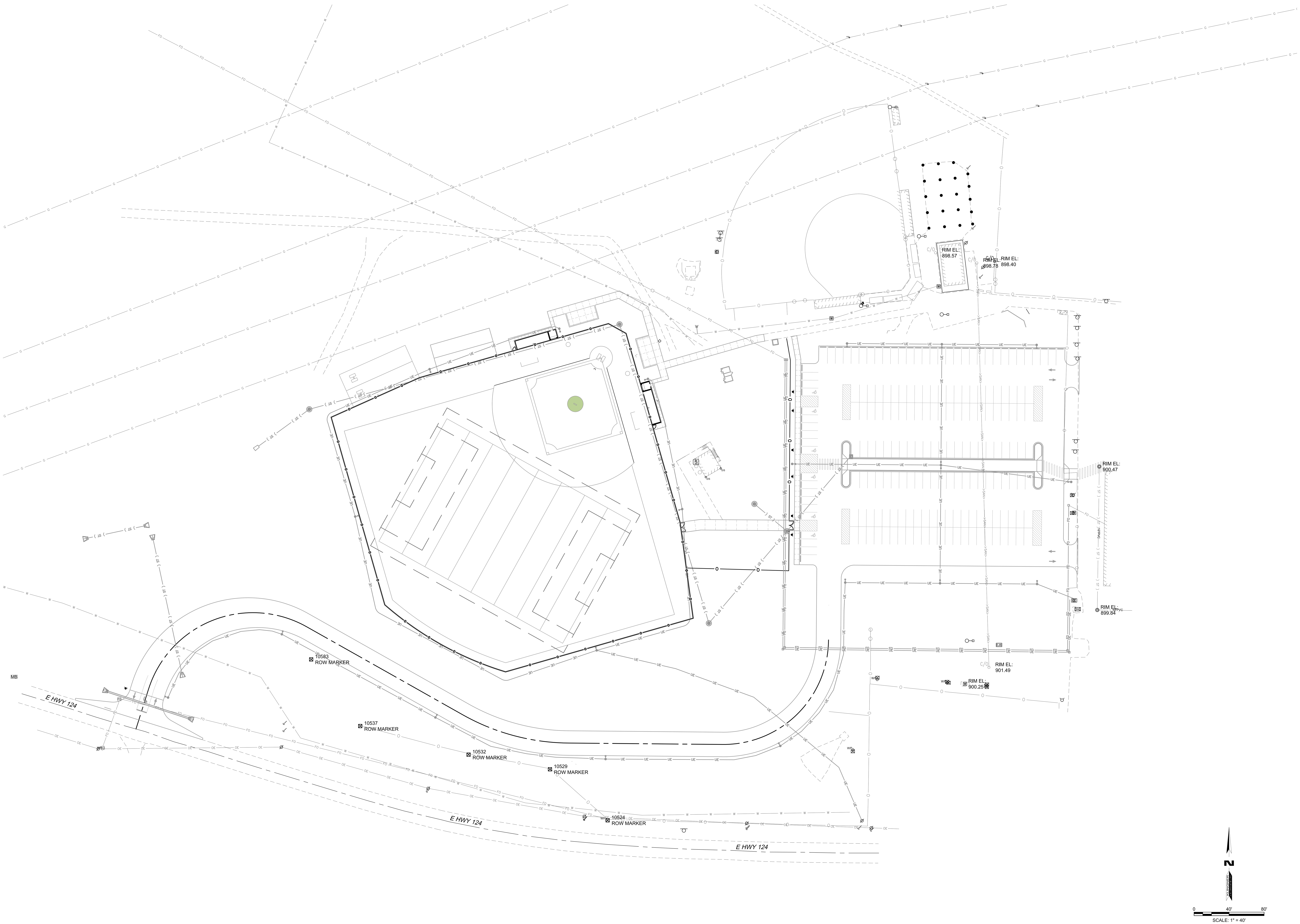
SHEET
C505



BENCHMARKS:

2. SOUTHEAST CORNER CONCRETE PAD FOR ELECTRIC TRANSFORMER SOUTHEAST CORNER BASEBALL FIELD - ELEV 899.64 (FROM TOPOGRAPHIC SURVEY BY ALLSTATE CONSULTANTS, P.C. JOB #04345.01) USED FOR KLINGNER PROJECT NO. 21-5052.

6. CHISELED " " NORTHWEST CORNER CONCRETE PAD SOUTH OF DISCUS PAD - ELEV 898.22

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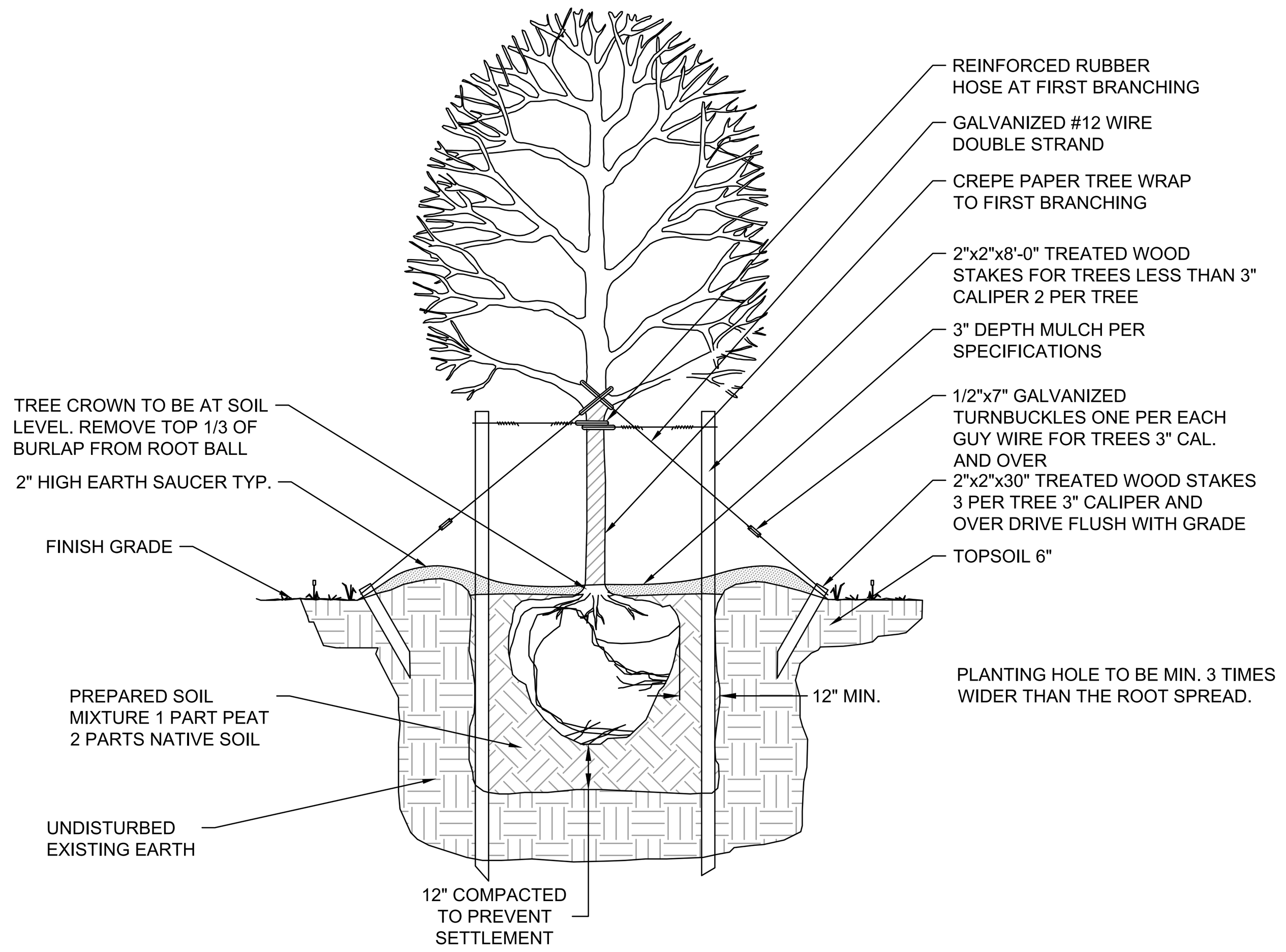
SHEET TITLE

LANDSCAPE PLANTING PLAN

PROJECT NO. 24-5017

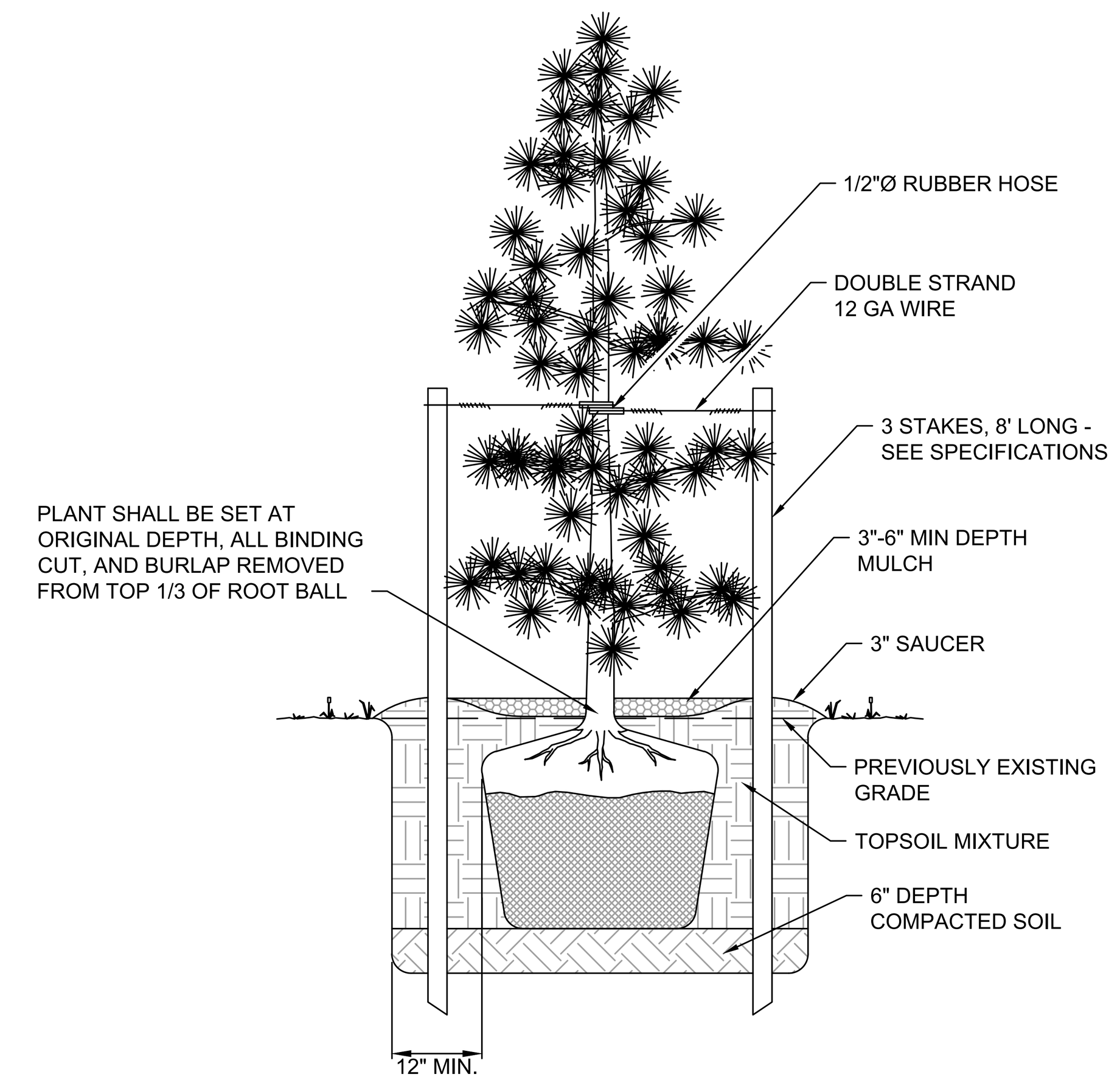
DRAWING ISSUED DATE: 10/30/2025

SHEET L101



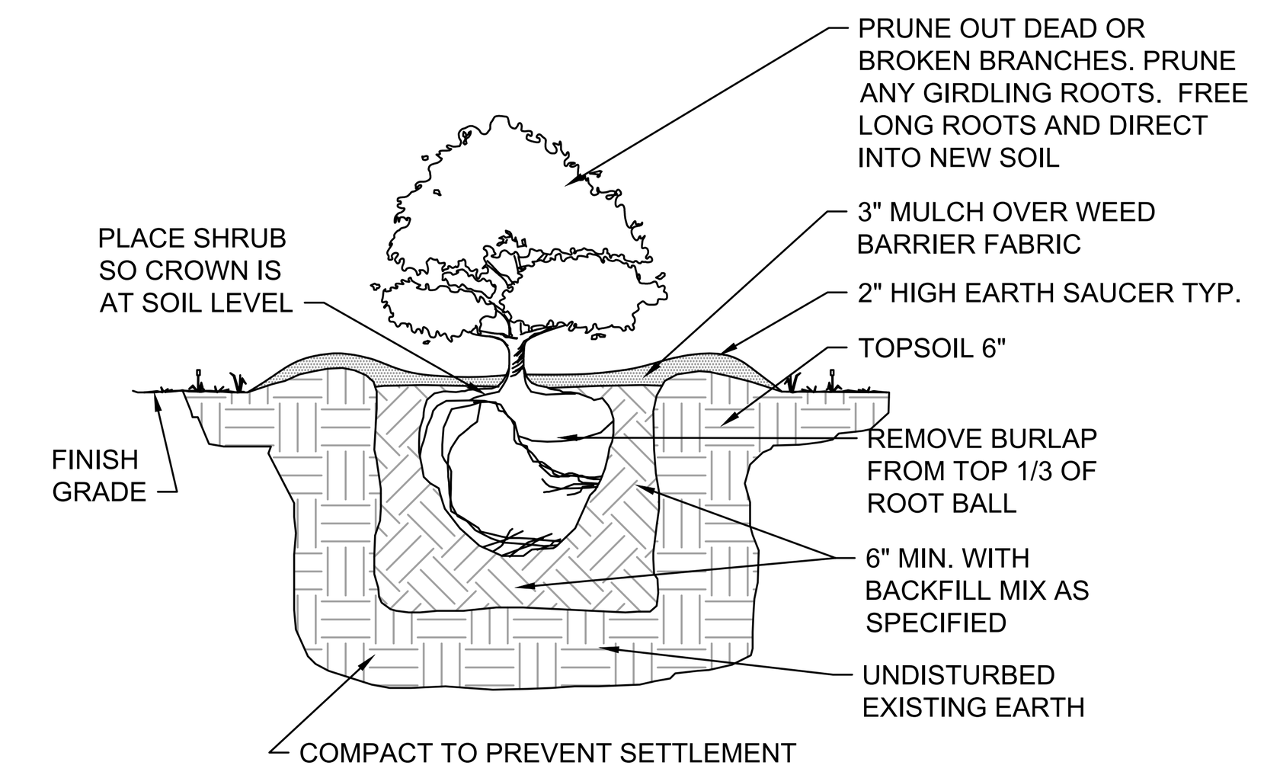
NOTES:
ROOT BALL TO BE 12" WIDE FOR EACH 1 INCH OF CALIPER SIZE.
TREES NEED NOT BE STAKED INITIALLY. IF THE LANDSCAPE ARCHITECT DETERMINES THAT STAKING IS NECESSARY WITHIN THE WARRANTY PERIOD, THE TREES SHALL BE STAKED PER THIS DETAIL

1 TYPICAL TREE PLANTING DETAIL
NOT TO SCALE



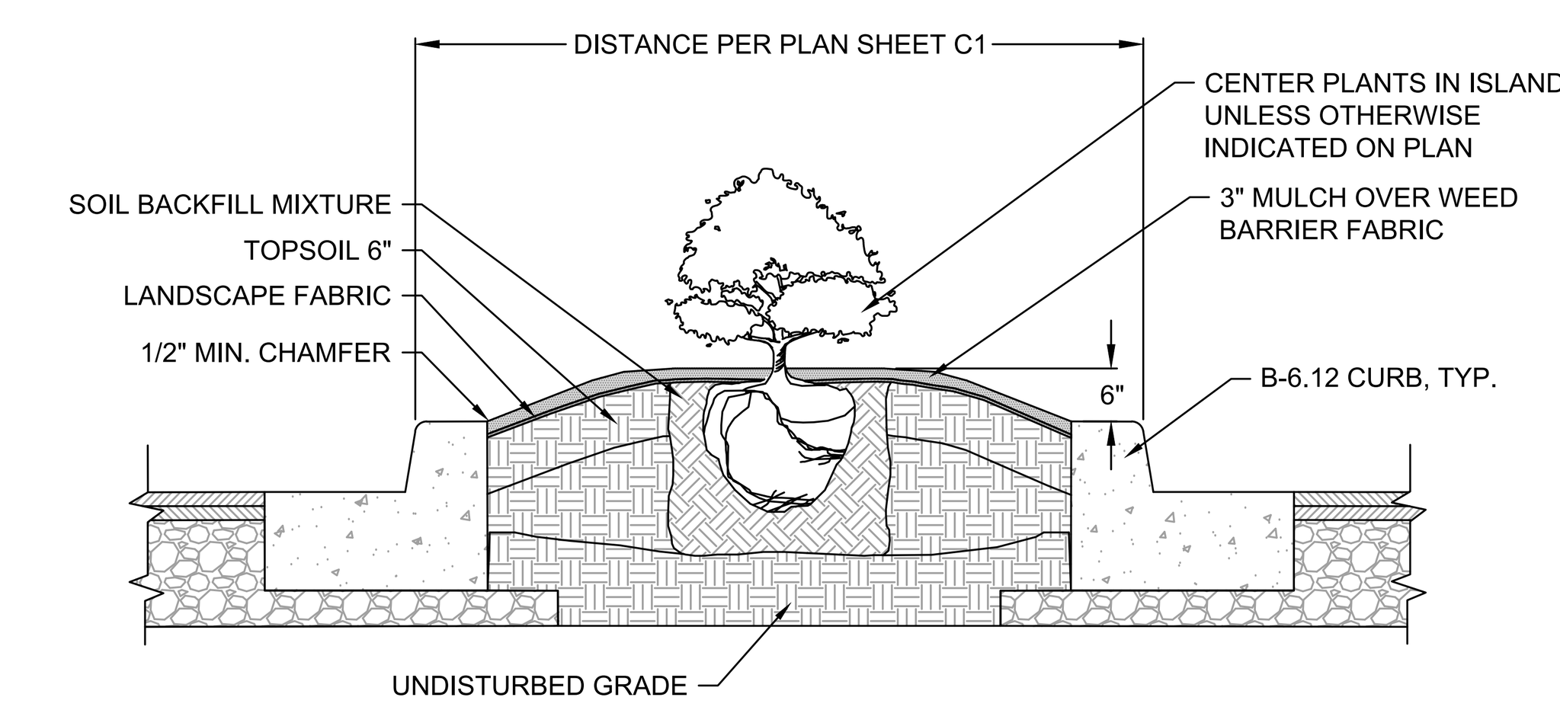
NOTES:
TOPSOIL MIX SHALL CONSIST OF 4 PARTS TOPSOIL TO 1 PART PEAT WITH 5 LB. ACIDIFYING FERTILIZER PER C.Y. OF MIXTURE.
STAKES SHALL BE DRIVEN A MINIMUM OF 3'-0" INTO GROUND

2 EVERGREEN TREE PLANTING DETAIL
NOT TO SCALE

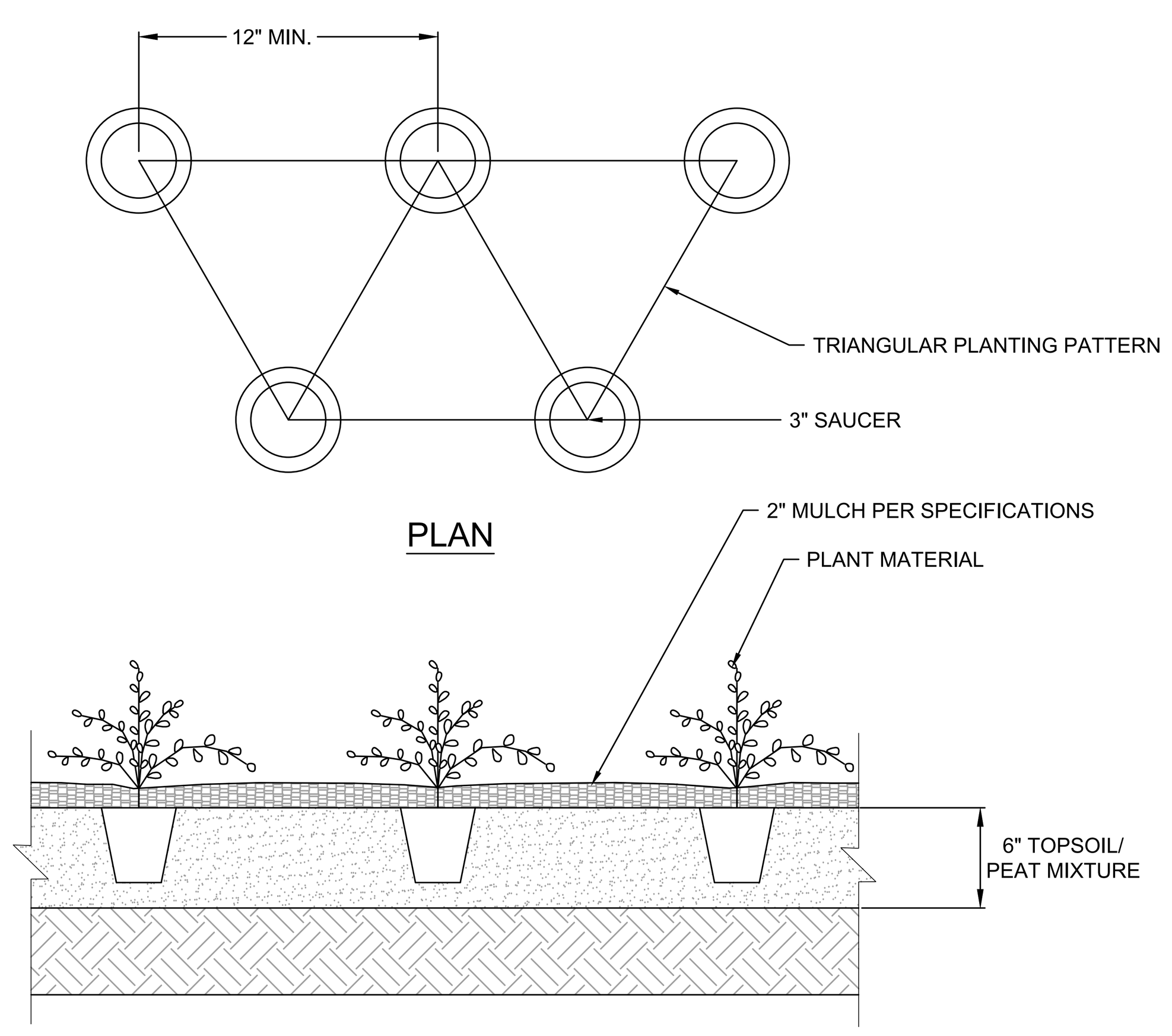


NOTES:
PLANTING HOLE TO BE MIN. 2 TIMES THE WIDTH OF THE PLANT'S ROOT SPREAD.

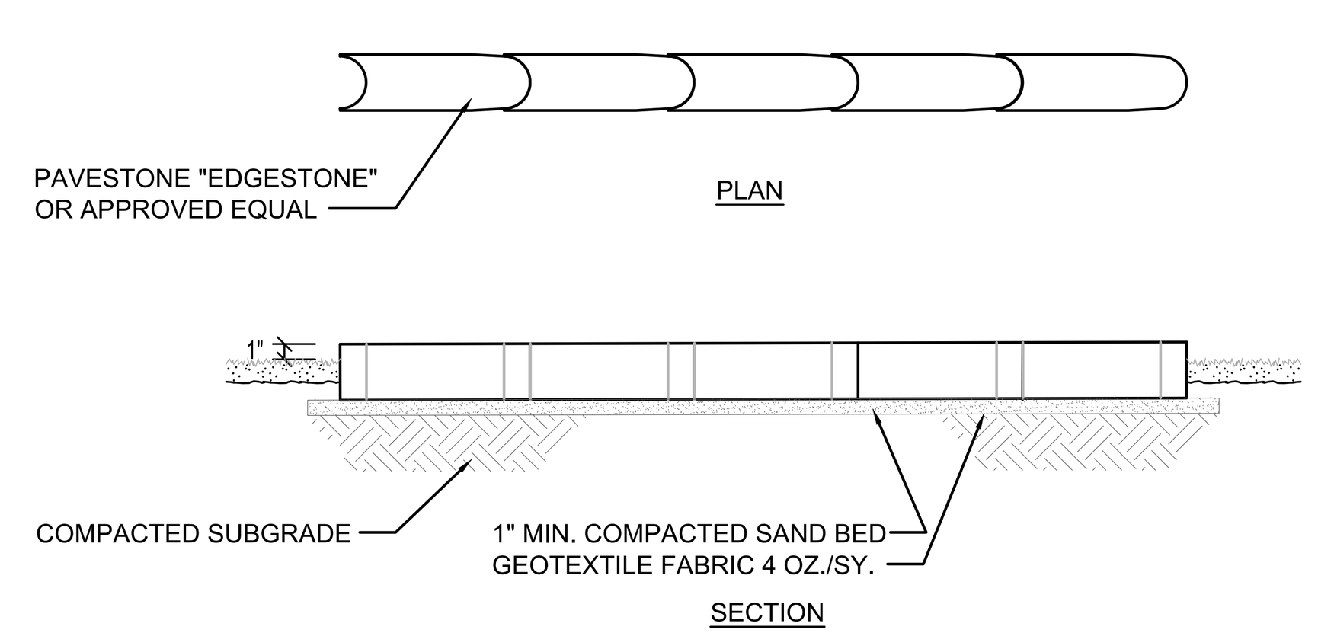
3 TYPICAL SHRUB PLANTING DETAIL
NOT TO SCALE



4 TYPICAL PARKING ISLAND DETAIL
NOT TO SCALE



5 PERENNIAL/WILDFLOWER/GRASS PLANTING DETAIL
NOT TO SCALE



6 LANDSCAPE EDGING DETAIL
N.T.S.

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HALLSVILLE, MO 65255

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FIELD MWJ/TGH	FIELD BOOK H25/35
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SHEET TITLE
LANDSCAPE DETAILS

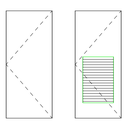
PROJECT NO.
24-5017

DRAWING ISSUED DATE:
10/30/2025

SHEET
L501

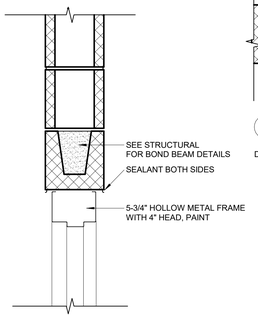
DOOR AND FRAME SCHEDULE

DOOR							FRAME					FIRE RATING	HARDWARE		REMARKS
NUMBER	SIZE			TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	DETAILS			HARDWARE GROUP	DOOR NUMBER	
	WIDTH	HEIGHT	THICKNESS							HEAD	JAMB				
100	3' - 0"	7' - 0"	1 3/4"	F	HM	PAINT	HM-00M	HM	PAINT	3/A110	4/A110		01	100	
101	3' - 0"	7' - 0"	1 3/4"	L	HM	PAINT	HM-00M	HM	PAINT	3/A110	4/A110		01	101	

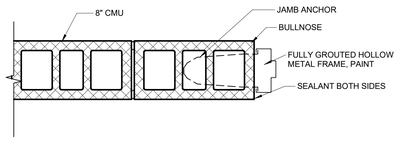


DOOR TYPES

FRAME TYPES



3 TYPICAL HM DOOR HEAD
1 1/2" = 1'-0"



4 TYPICAL HM DOOR JAMB
1 1/2" = 1'-0"

DOOR HARDWARE SET NO. 1

	ITEM	MANUFACTURER	FINISH
1 1/2	PAIR BUTT HINGE - BALL BARRING FULL MORTISE HEAVY WEIGHT	IVES - 5 KNUCKLE 5" 5BB1HW	US26D
1	LOCKSET - STOREROOM FUNCTION	SCHLAGE - ND80PD X ATH X 626	US26D
1	CLOSER W/ HOLD OPEN	LCN - 1461-3049SCNS X DS1 X US26D	US26D
1	WEATHERSTRIPPING	PEMKO - 332CR	-
1	DOOR SWEEP	PEMKO - 315CN	BLACK
1	THRESHOLD	PEMKO - 252 SERIES	BLACK
1	LOCKGUARD	IVES - LG13	US26D

5 DOOR HARDWARE SCHEDULE.
1 1/2" = 1'-0"

PAINT SCHEDULE

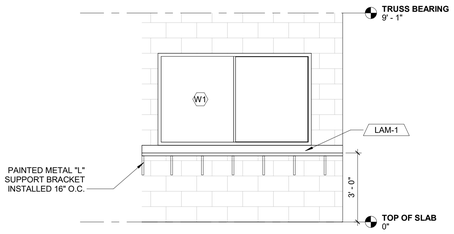
TAG	MANUFACTURER	PRODUCT DESCRIPTION	REMARKS
PNT-0	SHERWIN WILLIAMS	COLOR: SW 7006 PLAIN EXTRA WHITE	FIELD PAINT
PNT-1	SHERWIN WILLIAMS	COLOR: SW 6983 FULLY PURPLE	METAL DOOR AND FRAMES

GENERAL NOTES - INTERIOR

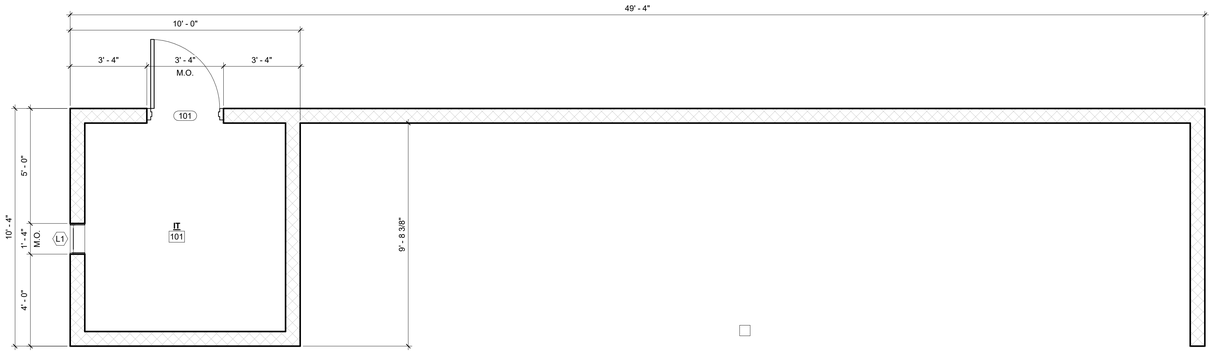
1. ALL CONTRACTORS TO FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
2. ALL WOOD BEAMS, COLUMNS, AND UNDERSIDE OF ROOF SHEATHING SHALL BE PNT-0, UNLESS OTHERWISE NOTED OR SHOWN.
3. ALL METAL DOORS, DOOR FRAMES, AND WINDOW FRAMES SHALL BE PNT-1, UNLESS OTHERWISE NOTED OR SHOWN.

SURFACES - HORIZONTAL

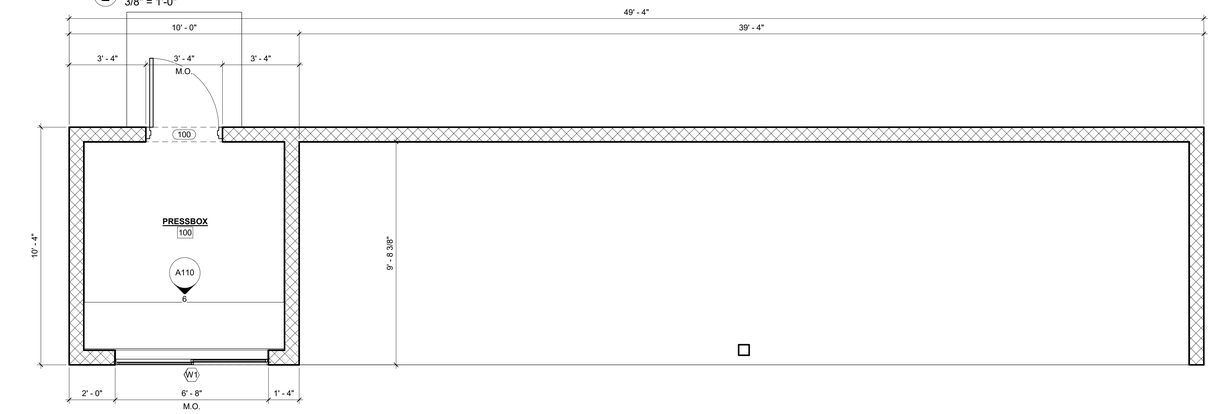
TAG	MANUFACTURER	PRODUCT DESCRIPTION	REMARKS
LAM-1	WILSONART	BASIS OF DESIGN PRODUCT: RUSTIC SLATE 4888-38	



6 PRESS BOX INTERIOR ELEVATION
3/8" = 1'-0"



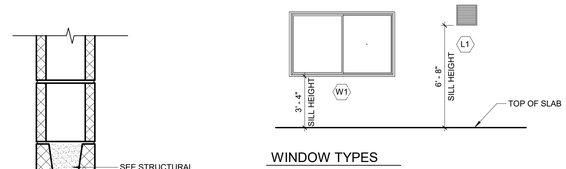
2 1ST BASE DUGOUT PLAN
3/8" = 1'-0"



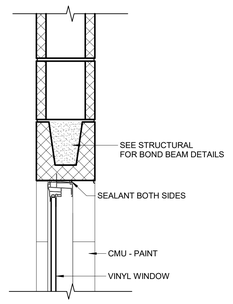
1 3RD BASE DUGOUT PLAN
3/8" = 1'-0"

WINDOW SCHEDULE

W	ROUGH OPENING		ROUGH SILL HEIGHT	FRAME MATERIAL	COMMENTS
	HEIGHT	WIDTH			
W1	4' - 0"	6' - 8"	3' - 4"	VINYL	
L1	1' - 4"	1' - 4"	6' - 8"	ALUMINUM	
L2	7' - 0"	3' - 0"	0"		
L3	7' - 0"	3' - 0"	0"		



WINDOW TYPES



7 TYPICAL WINDOW HEAD (JAMB AND SILL SIM.)
1 1/2" = 1'-0"

0 2' 4'
SCALE: 3/8" = 1'-0"

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ILLINOIS DESIGN FIRM LICENSE #: 184.2738

REVISION HISTORY

#	DESCRIPTION	DATE	APPR

Klingner & Associates, P.C.
Missouri State Certificate of Authority No E-2008566

ISSUED FOR **10/30/2025**

CD REVIEW

PRELIMINARY NOT FOR CONSTRUCTION

A/E/OR NAME - DISCIPLINE
MO# A/E/OR LICENSE #

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JRT	JRT
FIELD	FIELD BOOK
CHECKED MHB	CHECK DATE

SHEET TITLE

ARCHITECTURAL DETAILS

PROJECT NO. **24-5017**
DRAWING ISSUED DATE: **10/30/2025**
SHEET

A110

DESIGN CRITERIA

1. BUILDING CODES:
   A. IBC 2015
   B. ASCE 7-10
2. DESIGN LOADS:
   A. Occupancy Category III
   B. Roof Live Load = 20 psf
   C. Roof Dead Load = 15 psf
   D. Roof Snow Load
      a. Ground Snow Load, P_g = 20 psf
      b. Slope Roof Snow Load, P_f = 16.8 psf
      c. Minimum Snow Load, P_{min} = 22 psf
      d. Snow Load Importance, I_s = 1.1
      e. Snow Exposure Factor, C_e = 1.0
      f. Roof Thermal Factor, C_t = 1.2
   E. Wind Loading
      a. Basic Wind Speed, V_{ult} = 120 mph
      b. Exposure Category = C
      c. Internal pressure Coefficient, GC_{pi} = ±0.55
      d. Components and Cladding Design per ASCE 7
   F. Seismic Loading
      a. Risk Category = II
      b. Importance Factor, I_e = 1.0
      c. Site Class D (assumed)
      d. S_{DS} = 0.171 (S_s = 16.0%)
      e. S_{D1} = 0.146 (S_1 = 9.1%)
      f. Seismic Response Coefficient, C_s = 0.107
      g. Seismic Design Category C
      h. Design Coefficients and Factors for Seismic Force-Resisting Systems
         - Ordinary Reinforced Masonry Shear Walls
           1. Response Coefficient, R = 2
           2. Deflection Amplification Factor, C_d = 1 3/4
           3. System Overstrength Factor, Ω_0 = 2
      i. Component Design per ASCE 7
      j. Seismic Base Shear = W x C_s
3. DEFLECTION LIMITS:
   A. Roof Framing:
      a. Roof Live Load = L/240 Vertical
      b. Roof Total Load = L/180 Vertical
   B. Wall Framing:
      a. 10yr Wind = H/240 Horizontal
   C. Lintels:
      a. Total Load = L/600 or 0.3 inches (whichever is less) Vertical

FOUNDATION

1. The contractor shall familiarize themselves with the survey and the geotechnical investigation report before starting construction. All foundation work shall be in accordance with the recommendations of the geotechnical report by Geotechnics dated May 20, 2025, wecept where noted otherwise on the drawings or specifications.
2. A soil testing laboratory shall be retained by the owner for project construction review, to ensure conformance with the construction documents during the excavation, back fill and foundation phases of the project.
3. Foundation design is based on:
   A. 1500 psf net allowable soil bearing pressure for isolated column footings.
   B. 1500 psf net allowable soil bearing pressure for continuous wall footings.
   C. Minimum 30" inches isolated footing width.
   D. Minimum 24" inches continous footing width.
   E. Minimum 36" frost depth
4. All fill material shall be free of organic contaminations and other deleterious matter.
5. The contractor shall follow the floor slab over-excavation and subgrade preparation recommendations listed in the aforementioned geotechnical report and those listed in the following section.
6. All soil surrounding and under footings shall be protected from frost action and freezing during the course of construction.
7. Notify structural engineer of any unusual soil conditions that are in variance with the geotechnical report.
8. Footing excavations should be made to the required lines and grades as rapidly as possible. Footing excavations be left open for a minimum of time to prevent disturbance to the foundation soils. Foot traffic should be prevented on the base of the footing excavations if disturbance is noted. Hand cleaning, if required and setting of reinforcing steel should then be accomplished from the sides of the excavation.

OVER EXCAVATION FILL UNDER ALL FOOTINGS

1. Portions of the loessal soils and/or recent fill will be soft and unstable due to excessive moisture. Unsuitable (soft or unstable) natural soils and/or recent fill shall be removed from the footing excavations, and replaced with suitable material as recommended below. Observation by a geotechnical engineer is required at the time of excavation to determine the presence and competency of the expected bearing strata and to document removal of unsuitable soils.
2. Replacement material for unsuitable soils under footings may consist of granular material that is placed in 8" or less lifts and compacted to at least 95% of the standard proctor maximum dry density (ASTM D 698) at moisture contents of - 2% to +4% of optimum or flowable fill (Controlled Low Strength Material, CLSM).
3. The depth of over-excavation under footings should be at least 2 feet below the bottom of footing (or to adequate bearing material, whichever is deeper) and the over-excavation should be at least 50% wider than the footing width for lateral stress dissipation. If flowable fill is used as replacement material below footings, over widening is not necessary. Backfill materials required for confined spaces such as the former septic tank (if present) and/or other buried structures left in-place should consist of clean gravel or crushed stone that is compacted to at least 75% of the maximum relative dry density as per ASTM D 4253 and D 4254 or flowable fill.

BUILDING PAD PREPARATION

1. All building pad preparation shall follow the recommendations of the geotechnical report, unless otherwise noted.
2. All trees, brush, roots, topsoil, rubble, organically contaminated or otherwise objectionable materials encountered are to be removed from the structural areas of the site.
3. Subgrade sectors which will exist in cut and those which are to support fill structures are to be proof rolled. Areas exhibiting instability are to be over-excavated and backfilled on a lift-by-lift basis with each lift carefully compacted.
4. If unstable subgrade sectors cannot be stabilized by excavation and re-compaction, then crushed stone or similar coarse aggregate material shall be rolled into the subgrade until a firm subgrade reaction is achieved.
5. Low volume change (LVC) material shall be placed 30" immediately below floor slabs. LVC material may consist of granular material that is placed in 8" or less lifts and compacted to at least 95% of the standard proctor maximum dry density (ASTM D 698) at moisture contents of -2% to +4% of optimum. Granular material should have a maximum size of approximately 1 inch and not more than approximately 15% non-plastic fines.

ABBREVIATIONS

&	AND	LG	LONG
AB	ANCHOR BOLT	LL	LIVE LOAD
ALT	ALTERNATE	LLH	LONG LEG HORIZONTAL
ARCH	ARCHITECT	LLV	LONG LEG VERTICAL
@	AT	LONG	LONGITUDINAL
		LWC	LIGHT WEIGHT CONCRETE
BLDG	BUILDING		
BM	BEAM	MAX	MAXIMUM
BO	BOTTOM OF	MECH	MECHANICAL
BOT	BOTTOM	MIN	MINIMUM
BRG	BEARING		
BRDG	BRIDGING	NO (#)	NUMBER
BYD	BEYOND	NTS	NOT TO SCALE
CIP	CAST IN PLACE	OC	ON CENTER
CJ	CONSTRUCTION JOINT	OH	OPPOSITE HAND
CL (℄)	CENTERLINE	OPNG	OPENING
CLR	CLEAR	OPP	OPPOSITE
CMU	CONCRETE MASONRY UNIT		
COL	COLUMN	PAR	PARALLEL
CONC	CONCRETE	PEMB	PRE-ENGINEERED METAL BUILDING
CTR	CENTER	PERP	PERPENDICULAR
		PL (℄)	PLATE
DBL	DOUBLE	PSF	POUNDS PER SQUARE FOOT
DIA (Ø)	DIAMETER	PT	PRESSURE TREATED
DIAPH	DIAPHRAGM		
DL	DEAD LOAD	REINF	REINFORCING
DWLS	DOWELS	RO	ROUGH OPENING
		RTU	ROOF TOP UNIT
EA	EACH		
EF	EACH FACE	SCH	SCHEDULE
ELEV (EL)	ELEVATION	SIM	SIMILAR
EMBED	EMBEDMENT	SL (℄)	STEEL LINE
EW	EACH WAY	STAGG	STAGGERED
EX	EXISTING	STD	STANDARD
		STIFF	STIFFENER
FB	FIELD BEND		
FDN	FOUNDATION	TBR	TO BE REMOVED
FF	FINISHED FLOOR	THK	THICK
FLR	FLOOR	THRU	THROUGH
FTG	FOOTING	TO	TOP OF
FV	FIELD VERIFY	TOF	TOP OF FOOTING
		TOS	TOP OF STEEL
GA	GAUGE	TOW	TOP OF WALL
GALV	GALVANIZED	TRANS	TRANSVERSE
		TYP	TYPICAL
HDG	HOT DIP GALVANIZED		
HDR	HEADER	UNO	UNLESS OTHERWISE NOTED
HGR	HANGER		
HORIZ	HORIZONTAL	VERT	VERTICAL
HS	HEADED STUD		
HSS	HOLLOW STRUCTURAL SECTION	W/	WITH
HT	HEIGHT	WF	WIDE FLANGE
		W/O	WITHOUT
ID	INSIDE DIAMETER	WP	WORKING POINT
		WWF	WELDED WIRE FABRIC
JST	JOIST		

GENERAL

1. The structure is designed to be self-supporting and stable after the building is fully completed. It is solely the contractor's responsibility to determine erection procedure and sequence and insure the safety of the construction personnel, public, building and its components parts, and adjacent buildings and properties. This includes the addition of whatever temporary or permanent shoring, bracing, needling, underpinning, or sheet piling, etc. that may be necessary to brace new construction, adjacent buildings, so that the structure is braced for wind, seismic, gravity, construction loads, etc. and that no horizontal or vertical settlement or any damage occurs to the adjacent existing structure. Temporary supports shall be maintained in place until permanents supports and/or shoring and bracing are installed.
2. It is the contractor's responsibility to enforce all applicable safety codes and regulations during all phases of construction.
3. The contractor shall perform all construction for the project in a manner and sequence that are based on accepted industry standards that recognize the interaction of the components that comprise the structure, without causing distress, unanticipated movements or irregular load paths as a result of the construction means and methods employed.
4. Construction loads shall not exceed design live loads. The contractor shall be responsible for all design required to support construction equipment used in constructing this project. Shoring and reshoring is the responsibility of the contractor.
5. Principal openings through the framing are shown on these drawings. The general contractor shall examine the structural and mechanical drawings for the required openings and shall verify size and location of all openings with the mechanical contractor. Providing all openings required by the mechanical, electrical, plumbing, or other trades shall be part of the general contract, whether or not shown in the structural drawings. Any deviation from the openings shown on the structural drawings shall be brought to the engineer's attention for review.
6. All contractors are required to examine the drawings and specifications carefully, visit the site and fully inform themselves as to all existing conditions and limitations, prior to agreeing to perform the work. Failure to visit the site and familiarize themselves with the existing conditions and limitations will in no way relieve the contractor from furnishing any materials or performing any work in accordance with drawings and specifications without additional cost to the owner.
7. Contractor shall verify all dimensions and conditions at the job site before commencing work and shall report any discrepancies to the engineer.
8. Omissions or conflicts between various elements of the drawings, notes, details and specifications shall be brought to the attention of the engineer and resolved before proceeding with the work.
9. Details labeled "Typical Details" on drawings apply to situations occurring on the project that are the same or similar to those specifically details. Such details apply whether or not details are referenced at each location. Notify engineer of clarification regarding applicability of "Typical Details".
10. Work these drawings with architectural, civil, mechanical, and electrical drawings.
11. Do not scale drawings.
12. Should any of the general notes conflict with any details or instructions on plans, the strictest provision shall govern.

MASONRY

1. All masonry shall conform to "Building Code Requirements for Masonry Structures" (ACI 530/ASCE 5/TMS 402) and "Specifications for Masonry Structures" (ACI 530.1/ASCE 6/TMS 602) for the year referenced in the building code noted.
2. All brick and concrete masonry and construction shall comply with the recommendations of Brick Industry of Association (BIA) and the National Concrete Masonry Association (NCMA) and minimum requirement established by noted building codes.
3. Shop Drawings: submit reinforcing steel elevations of each wall showing all of the reinforcing steel coordinated with each opening. Show lap splices and reinforcing lengths which are coordinated with the masonry lifts. Reinforcing shall be coordinated with plumbing, electrical, and adjacent work of other trades.
4. Grout to fill masonry unit cores shall be ASTM C476, coarse grout (3/8" maximum aggregate) with a minimum compressive strength of 2000 psi in 28 days.
5. Concrete masonry units shall be units conforming to ASTM C90, Grade N, Type I, Normal Weight (density of unit = 135 pcf), min. block compressive strength = 2000 psi, specified design strength of masonry, f'm=2000 psi.
6. Mortar:
   A. ASTM C270 Type "S" mortar with a minimum compressive strength of 1800 psi shall be used for concrete masonry units.
7. Reinforcing bars shall conform to ASTM A615, Grade 60.
8. All concrete masonry units shall have galvanized horizontal joint reinforcement as follows:
   A. 9 gage side and cross rods (ladder type) spaced 16" OC vertically with a 6" minimum lap.
9. All concrete masonry cores with reinforcing bars shall be filled solid with grout. Place reinforcing bars before grouting. Place grout in lifts not exceeding 5 feet. Consolidate each lift by mechanical vibration. The next lift of the pour may be after initial water loss and reconsolidation of the prior lift, while it is still plastic.
10. Vertical Concrete Masonry Reinforcement:
    A. See plans and details for vertical reinforcement in center of grouted cells.
    B. Place continuous vertical reinforcing at jambs, intersections, corners, and ends of walls unless noted otherwise.
11. Properly secure reinforcing bars to maintain the position indicated on the drawings. Bars are to be located in center of cells unless otherwise noted.
12. Reinforcing bars shall run continuously around corners and be lapped at necessary splices. Lap lengths shall be as given in the splice and development table.
13. Walls at intersections shall be connected as follows:
    A. 50% of the Masonry units at the interface shall interlock or
    B. Walls shall be regularly bonded with 8" maximum offsets and anchored by 1/4"x1 1/2"x28" including 2" long 90-degree bend at each end to form a zee shape grouted at 4'-0" centers maximum or by intersecting bond beams with (2) #4 continuous at 4'-0" centers maximum.
14. Mortar protrusions extending into cells or cavities to be reinforced and filled, shall be removed.
15. Provide Prowels in footings and floor slabs with the same vertical reinforcing bar. The dowels shall be the same size as the reinforcing bars. The dowels shall extend to 3" clear the bottom of the footings or floor slabs with and ACI standard 90-degree hooks, unless noted otherwise.
16. Lay concrete masonry units with full mortar coverage on horizontal and vertical face shell. Bed webs in mortar in starting course of footing and in all courses of columns and pilasters, and where adjacent to cells or cavities to be reinforced of filled with grout.
17. All CMU shall be temporarily braced during construction per the governing building code for lateral loads until permanent restraints have been installed. Temporary bracing is the sole responsibility of the contractor. The contractor is responsible for all cost associated with repairs resulting from improper or insufficient bracing.
18. All openings shall have a lintel at the head. All CMU bond beams shall have two continuous #4 bars bottom and be grouted solid for a height of 16", unless noted otherwise. Provide 16" minimum between adjacent openings. Bear lintels 8" minimum at each jamb.
19. Core drill holes are not permitted in reinforced cells or lintels. Holes less than 6" in diameter may be core drilled, formed or sleeved at all other locations without a lintel provided it is located at least 16" from other openings.
20. Masonry shall be coordinated with MEP. Embedded plumbing shall be placed in cells without reinforcing steel. Embedded electrical conduit shall be 1 1/2" maximum outside diameter, placed 2 1/2" clear from the reinforcing steel, and centered in the CMU wall. Where masonry webs or face shells are cut for embedding plumbing or electrical conduit, horizontal joint reinforcing shall be provided at 8" on centers within 4'-0" of the location.
21. Where vertical reinforcing steel is interrupted by a steel beam or joist, locate vertical reinforcing steel to an adjacent cell and lap reinforcing steel one splice length plus the distance of the offset.
22. Top of interior non-bearing CMU partition walls shall be laterally braced at 10'-0" on centers maximum. Where the wall form intersections or corners with another attached masonry wall, the wall is considered braced at that location. Provide bracing between corners and intersections per detail
23. See details for splice lengths. When lapping two different size bars, use the lap dimension of the smaller bar or the anchorage dimension of the larger bar, use whichever dimension is larger.
24. Submit reinforcing steel shop drawings for reinforced masonry. Vertical reinforcing lengths shall be coordinated with lifts and heights of the CMU walls being placed.

CAST-IN-PLACE CONCRETE

1. All concrete construction shall conform to ACI 301, "Specification for Structural Concrete" and ACI 302, "Guide for Concrete Floor and Slab Construction", ACI 305 "Specification for Hot Weather Concreting" and ACI 306, "Standard Specification for Cold Weather Concreting", unless noted otherwise for the year referenced in the building code noted.
2. All detailing, fabrication and placing of reinforcing bars, unless otherwise noted, shall conform to ACI 318, "Building Code Requirements for Structural Concrete", ACI 117, "Specification for Tolerances for Concrete Construction and Materials", and the latest ACI detailing manual.
3. All pipe sleeve openings through concrete slabs shall be formed with standard steel pipe.
4. No electrical conduit shall be placed above the welded wire fabric or top reinforcing of slab.
5. All aluminum in contact with concrete or dissimilar metals shall be coated with two coats of coal tar epoxy, approved by the engineer, unless otherwise noted.
6. Concrete shall be discharged at the site within 1 ½ hours after water has been added to the cement and aggregates. Addition of water to the mix at the project site will not be permitted. All water must be added at the batch plant. Slump may be adjusted only through the use of additional water reducing admixtures or high range water reducing admixture.
7. All concrete shall be placed without horizontal construction joints, except where specifically noted.
8. All exposed edges of concrete members shall be chamfered ¾" unless shown otherwise.
9. Reinforcing bars shall conform to ASTM A615, Grade 60, No tack welding of reinforcing in the field will be permitted.
10. Reinforcing bars for welded applications shall conform to ASTM A706, 60 ksi yield strength.
11. Welded wire fabric reinforcing shall conform to ASTM A185 and be furnished in flat sheets and installed on chairs.
12. Wire bar supports shall be furnished for all reinforcing within slabs, inclusive of welded wire fabric. Bottom bars in slabs-on-grade may be supported by other suitable supports. Reinforcing shall be properly positioned prior to concrete placement and may not be re-positioned once concrete operations have begun. Wire bar and other types of supports shall be in accordance with the concrete reinforcing steel institute manual of standard practice.
13. Reinforcement shall be continuous through all construction joints unless otherwise noted on drawings.
14. All hooks shown on drawings shall be ACI standard hooks, unless otherwise noted.
15. Where continuous bars are called for, they shall run continuously around corners and be lapped at necessary splices. Lap lengths shall be as given in the splice and development table.
16. In reinforced concrete walls, grade beams and trench footing provide corner dowels of same size and spacing as horizontal reinforcing. Dowels shall lap with horizontal reinforcing in each direction.
17. The following minimum concrete cover shall be provide for reinforcement, unless otherwise noted:
    A. Earth formed and cast directly against soil – 3"
    B. Cast against forms but exposed to earth and weather
       a. #6 and Larger – 2"
       b. #5 and Smaller - 1 ½"
    C. Slabs and walls not exposed to earth or weather – ¾"
    D. Others - 2"
18. Reinforcing bars shall have a minimum clear spacing of 4"
19. See Civil Drawings for concrete washout requirements.
20. See details for splice lengths. When lapping two different size bars, use the lap dimension of the smaller bar or the anchorage dimension of the larger bar, use whichever dimension is larger.

WOOD FRAMING:

1. All timber shall conform to "National Design Specification for Wood Construction" (ANSI/AWC NDS) for the year referenced in the building code noted.
2. Connect all members per IBC 2015 "Fastening Schedule" Table 2304.10.1, unless noted otherwise. All members shall be framed, anchored, tied, and braced so as to develop the strength and rigidity for the purpose which they are used.
3. Joists and rafters shall have diagonal cross bridging or full depth blocking at 8'-0" on center maximum.
4. All nails shall be "common wire nails" of the following length and diameter:
   A. 6d: 2" x 0.113"Ø
   B. 8d: 2 1/2" x 0.131"Ø
   C. 10d: 3" x 0.148"Ø
   D. 12d: 3 1/4" x 0.148"Ø
   E. 16d: 3 1/2" x 0.162"Ø
5. Collated gun-driven nails shall meet the requirements of ASTM F1667. Nail gun pressures shall be adjusted to install the nail into the substrate without being over-driven. Nails shall not be over-driven.
6. All sawn lumber except 2x12s shall be Spruce Pine Fir (SPF) No. 2, or better, with the following NDS minimum reference design values, unless noted otherwise. Only newly purchased lumber shall be used.
   A. Fb=875psi
   B. Fv=135psi
   C. Fc=1150psi
   D. Fc-⊥ =425psi
   E. E=1,400,000psi
7. All sawn lumber 2x12s shall be Southern Pine (SP) No. 1, or better, with the following NDS minimum reference design values, unless noted otherwise. Only newly purchased lumber shall be used.
   A. Fb=1,200psi
   B. Fv=175psi
   C. Fc=1650psi
   D. Fc-⊥ =565psi
   E. E=1,600,000psi
8. Laminated Veneer Lumber: 1.9E 1 ¾" Microlam LVL's as manufactured by Weyerhaeuser (Truss Joist), 2.0E 1 ¾" LVL's or approved equal with the following minimum design stresses:
   A. Fb=2600psi
   B. Fv=285psi
   C. Fc-⊥ =750psi
   D. E=1,900,000psi
9. Wood Member Connections – Connect multiple individual framing member that are parallel and in contact thus:
   A. 2 Members: 2 rows of 10d nails at 12"o.c.
   B. 3 Members: 2 rows of 16d nails at 12"o.c.
   C. 4 or 5 Members: 2 rows of ¼"Ø Simpson SDS Wood Screws or Equal spaced at 12" o.c.
      a. Screw length shall match the total thickness of the built-up members.
   D. > 5 Members: ½"Ø A307 through bolts at mid-depth and spaced at 12" o.c.
10. Joist hangers, beam hangers, connections and fasteners shall be by one of the following manufacturers:
    A. Simpson Strong-Tie
    B. USP Structural Connectors
    C. or approved substitution
11. Connectors depicted throughout the structural details are based on Simpson Strong-Tie model numbers. Connectors manufactured by other approved companies may be used provided their performance is equal or better. All connectors shall be selected and installed according to manufacturer's written instructions.
12. All lumber exposed to the exterior or in direct contact with masonry or concrete shall be pressure treated. Pressure treated members shall be Southern-Pine No. 2. Pressure treatments shall conform to the building code.
13. All fasteners and connector in contact with treated lumber or exposed to the exterior shall be hot dip galvanized or have a Z185 galvanized coating.
14. Stud Walls:
    A. Provide beams, bearing studs and jamb studs for all openings shown on the drawings.
    B. Provide a minimum of three studs beneath all beam and header reactions unless otherwise noted.
    C. Double stud all corners.
    D. At locations where holes greater than 1" are required through the top plates of the structural wall to accommodate items such as plumbing, or electrical conduit, provide studs between the holes and the truss, joist, or TJI located on each side of the holes.
    E. Double top plates shall be installed to provide overlapping at corners and at intersections.
    F. Double top plates shall be lapped 4'-0" at splices and attached with (12)-10d nails unless noted otherwise.
15. Interior non-bearing stud walls shall be anchored to concrete slabs per the Building code using Simpson PDPAW or Hilti X-CF 72 sill plate fasteners or approved equal.
16. Sheathing:
    A. Floor sheathing –23/32" tongue and groove plywood or oriented strand board, 48/24 span rating, Exposure 1.
    B. Roof sheathing –19/32" zip system oriented strand board, 40/20 span rating, Exposure 1.
    C. Exterior wall sheathing –15/32" zip system oriented strand board, 32/16 span rating, Exposure 1.
17. Floor sheathing shall be attached as follows: Attach panel edges and at all supports with 8d nails at 6" o.c. Floor sheathing shall be installed with face grain perpendicular to supports and continuous over 2 or more supports. Stagger the 8'-0" panels dimension 4'-0".
18. Roof sheathing shall be attached as follows: Provide blocking at ridge and provide ply clips at all other locations. Attach panel edges and at all supports with 10d nails at 6" o.c. Roof sheathing shall be installed with face grain perpendicular to supports and continuous over 2 or more supports. Stagger the 8'-0" panels dimension 4'-0".
19. Wall sheathing shall be attached as follows: Provide blocking at all panel edges. Attach panel edges and at all studs and blocking with 10d nails at 4" o.c. Wall sheathing shall be installed with face grain perpendicular to studs and continuous over 2 or more supports. Stagger the 8'-0" panels dimension 4'-0".

KLINGNER & ASSOCIATES, P.C.
Engineers • Architects • Surveyors
Columbia, Missouri
www.klingner.com
3622 Eindeavor Ave, Suite 117
573.355.5988

REVISION HISTORY

#	DESCRIPTION	DATE	APPR

ISSUED FOR **10/30/2025**

CD REVIEW

PRELIMINARY
NOT FOR CONSTRUCTION

NEW ALL PURPOSE FIELD AND PARKING LOT

HALLSVILLE R-IV SCHOOL DISTRICT
411 E. HIGHWAY 124
HALLSVILLE, MO 65255

Non-Reduced Sheet Size 30" x 42"
Full sized plans have been prepared using standard scales. Reduced sized plans may not conform to standard scales.

DESIGNED	DRAWN
JEK	JEK
FIELD	FIELD BOOK
CHECKED	CHECK DATE

SHEET TITLE

STRUCTURAL NOTES

PROJECT NO. **24-5017**
DRAWING ISSUED DATE: **10/30/2025**
SHEET **S001**

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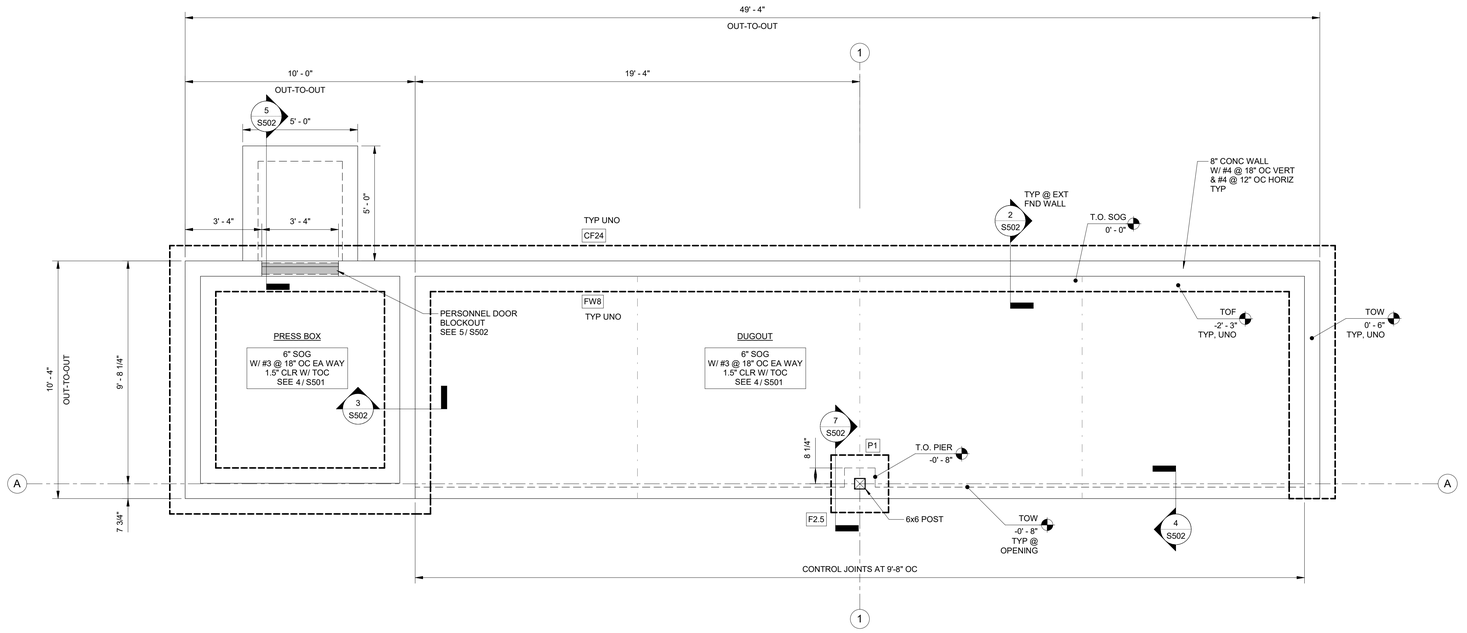

1 3RD BASE DUGOUT FOUNDATION PLAN
3/8" = 1'-0"

NOTE:
AT 1ST BASE DUGOUT, MIRROR PLAN FOR IT CLOSET

FOUNDATION GENERAL NOTES:
1. SEE STRUCTURAL NOTES FOR DESIGN CRITERIA AND ABBREVIATIONS
2. VERIFY ALL DIMENSIONS AND ELEVATIONS W/ ARCH'L DRAWINGS
3. CONTRACTOR TO COORDINATE AND LOCATE ALL ROUGH OPENING SIZES & LOCATIONS PRIOR TO FORMING AND POURING CONCRETE COMPONENTS
4. SLAB ELEVATION SHOWN ON PLAN IS ASSUMED. FOR ACTUAL SLAB ELEVATION, REFER TO CIVIL DRAWINGS
5. ALL FOUNDATION SUBGRADES AND EXCAVATIONS ARE TO BE CONSTRUCTED ON UNDISTRUBED NATIVE SOIL OR COMPACTED ENGINEERED FILL
6. REINF. SHOWN IN DETAILS ON FOLLOWING SHEETS ARE FOR INFORMATIONAL PURPOSES ONLY, SEE SCHEDULES FOR ACTUAL REINF.
7. STRIP FOOTINGS ARE TO BE CENTERED UNDER FOUNDATION WALLS, UNO ON PLAN OR DETAILS.
8. CENTER STOOPS AT DOORS. PROVIDE 1/2" ISOLATION MATERIAL BTWN STOOPS AND EXT. SITE WORK.
9. ALL WOOD EXPOSED TO WEATHER, IN CONTACT WITH CONCRETE OR WITHIN 8" OF FINISHED GRADE SHALL BE PRESSURE TREATED.
10. SILL PLATE ANCHOR BOLTS SHALL BE LOCATED WITH A MIN (2) BOLTS PER SILL, WITH BOLTS LOCATED MORE THAN 5" BUT LESS THAN 12" FROM EA END.
11. ALL ANCHORS AND EMBEDS SHALL BE TIED IN PLACE PRIOR TO PLACING CONCRETE, UNLESS THE EMBED MFR PROVIDES DOCUMENTATION SHOWING WET-SET APPLICATIONS ARE PERMITTED.
12. ALL WALLS SHOWN SHALL PER 1 / S502, UNO ON PLAN
13. ALL WALLS SHOWN SHALL BE ASSUMED AS BEARING, UNO ON PLAN
14. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE TO FLOOR DRAINS. SEE CIVIL AND MECHANICAL DRAWINGS FOR DRAIN LOCATIONS.
15. TEMPORARY SHORING PER CONTRACTOR. DESIGN BY OTHERS.

FOUNDATION PLAN LEGEND

0' - 0"	INDICATES T.O.C. ELEVATION
⊠	COL, SEE PLAN
CFx OR Fx	FOOTING TAG, SEE SCHEDULE
FWx	FOUNDATION WALL TAG, SEE SCHEDULE
— · — · —	SLAB CONTROL JOINT, SEE 4 / S501

PIER SCHEDULE

MARK	EL. @ TOP	SIZE ('A' x 'B')	VERT. REINF.	TIES	COMMENTS
P1	-0'-8"	16" x 16"	(8) #4 BARS	#3 @ 7" OC	SEE 8 / S502

NOTES:
1. REFERENCE DETAILS FOR 'A' & 'B' DIMENSION ORIENTATION
2. VERT. REINF. TO BE SPREAD EVENLY AROUND PERIMETER OF PIER
3. SEE DETAILS FOR TIE SPACING AT TOP OF PIER & CROSS TIE LOCATIONS
4. FOUNDATION WALL REINF. TO RUN CONT. THROUGH PIER

FOUNDATION WALL SCHEDULE

MARK	THICKNESS	HORIZ. REINF.	VERT. REINF.	DOWELS	REINF. LAYERS
FW8	8"	#4 @ 12" OC	#4 @ 18" OC	MATCH VERT. REINF.	CENTERED

NOTES:
1. SEE FOUNDATION WALL DETAILS ON FOLLOWING SHEETS
2. VERIFY T.O. WALL ELEVATIONS AND LOCATIONS W/ ARCHITECTURAL DRAWINGS
3. IF REINF. EACH FACE (EF) IS NOTED IN SCHEDULE, VERT. REINF. TO SIT ON OUTSIDE OF HORIZ. REINF., TYP
4. UNLESS REINF. EF IS NOTED, VERT. BARS OF SINGLE MAT TO BE CENTERED IN WALL

FOOTING SCHEDULE

MARK	SIZE	THICKNESS	MAIN REINF.	COMMENTS
CF24	24" WIDE STRIP FTG	1'-0"	(3) #4 LONG. BARS, BTM	
F2.5	2'-6" x 2'-6" PAD FTG	1'-0"	(4) #4 BARS, EA. WAY, BTM	

NOTES:
1. SEE FOOTING DETAILS ON FOLLOWING SHEETS
2. CENTER STRIP FOOTINGS BELOW FOUNDATION WALLS OR BEARING WALLS, UNO IN DETAILS
3. CENTER PAD FOOTINGS BELOW COLUMNS OR PIERS, UNO IN DETAILS
4. STRIP FOOTING REINF. TO RUN CONTINUOUS, INCLUDING THROUGH PAD FOOTINGS
5. ALL PIERS TO BE A MIN. 3" LARGER THAN BASE PLATES AT EA. EDGE, UNO

0 2' 4'
SCALE: 3/8" = 1'-0"

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CD REVIEW

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NEW ALL PURPOSE FIELD AND PARKING LOT

HALLSVILLE R-IV SCHOOL DISTRICT
411 E. HIGHWAY 124
HALLSVILLE, MO 65255

Non-Reduced Sheet Size 30" x 42"
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DESIGNED	DRAWN
JEK	JEK
FIELD	FIELD BOOK
CHECKED	CHECK DATE

SHEET TITLE

FOUNDATION PLAN

PROJECT NO.
24-5017
DRAWING ISSUED DATE:
10/30/2025
SHEET
S101

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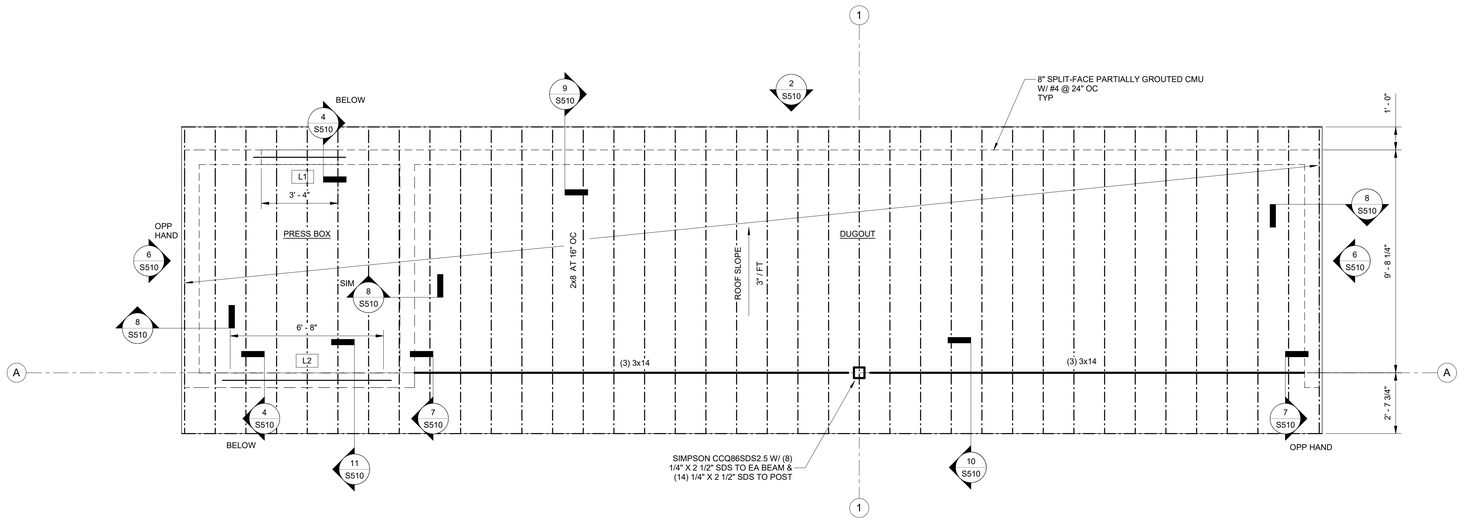

1 3RD BASE DUGOUT ROOF FRAMING PLAN
3/8" = 1'-0"

NOTE:
AT 1ST BASE DUGOUT, MIRROR PLAN FOR IT CLOSET

LINTEL SCHEDULE

MARK	GROUT DEPTH	HORIZ. REINF.	BTM COVER
L1	8"	(1) #5 BAR	2"
L2	16"	(1) #5 BAR	2"

FRAMING GENERAL NOTES:
1. SEE STRUCTURAL NOTES FOR DESIGN CRITERIA AND ABBREVIATIONS
2. VERIFY ALL DIMENSIONS AND ELEVATIONS W/ ARCH'L DRAWINGS
3. SEE ARCH'L DRAWINGS FOR OPENING SIZES & LOCATIONS
4. WHERE SHEAR WALLS ARE PARALLEL TO FRAMING, ALIGN RAFTER/TRUSS OVER SHEAR WALL WHILE MAINTAINING MAXIMUM SPACING ON BOTH SIDES OF WALL
5. BOLT HOLES IN WOOD MEMBERS SHALL BE DRILLED A MIN 1/32" TO A MAX 1/16" LARGER THAN THE BOLT DIAMETER
6. USE FULL-HEAD COMMON WIRE NAILS FOR ALL DIAPHRAGM NAILING (ROOF/FLOOR SHEATHING AND SHEAR WALLS) AND FRAMING CONNECTIONS
7. ROOF SHEATHING: 19/32" APA RATED 40/20 SHEATHING W/ 8d AT 6"/6"/12" OC (BOUNDARY, EDGE, FIELD) W/ FACE GRAIN PERP. TO RAFTERS/TRUSSES
8. CONTRACTOR TO PROVIDE MOISTURE BARRIER BTWN NON-TREATED WOOD & CMU W/ (2) LAYERS OF 90 lbs FELT ROOFING PAPER
9. TEMPORARY SHORING PER CONTRACTOR. DESIGN BY OTHERS.

ROOF FRAMING PLAN LEGEND

0' - 0"	INDICATES T.O. ELEVATION
	STRUCTURAL WALL BELOW
	ROOF JOIST, SEE PLAN
	COL/POST BELOW
HX OR LX	HEADER OR LINTEL TAG, SEE SCHEDULE

INDICATES BEAM SIZE
(3) 3X12
(14'-0")
INDICATES COL SEE PLAN
INDICATES BEARING ELEVATION FOR LEVEL BEAM

N
ARCHITECTURAL DRAWINGS

0 2' 4'
SCALE: 3/8" = 1'-0"

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PRELIMINARY
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NEW ALL PURPOSE FIELD AND PARKING LOT

HALLSVILLE R-IV SCHOOL DISTRICT
411 E. HIGHWAY 124
HALLSVILLE, MO 65255

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DESIGNED	DRAWN
JEK	JEK
FIELD	FIELD BOOK
CHECKED	CHECK DATE

SHEET TITLE
ROOF FRAMING PLAN

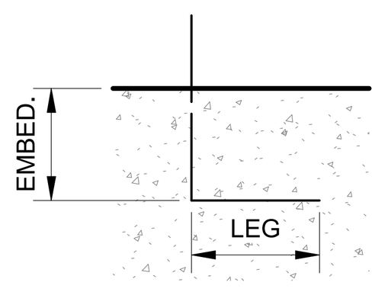
PROJECT NO.
24-5017
DRAWING ISSUED DATE:
10/30/2025
SHEET
S210

10/30/2025 3:25:24 PM
C:\Users\jkirby\Documents\S24 Hallsville Baseball Field & Parking Lot_24-5017 - STRL REV I_jkirbyM4tUCA.rvt

SIZE	MIN LAP	DEVELOPMENT
#3	24"	19"
#4	32"	25"
#5	40"	31"
#6	48"	37"

ASSUMPTIONS:
1. f'_c = 4 KSI
2. F_y = 60 KSI
3. TOP BARS
4. TENSION REINF.
5. CLASS "B" SPLICES
6. COVER > OR = $2*d_b$
7. CLEAR SPACING > OR = $4d_b$

1 TYPICAL CONC. REBAR LAP AND DEVELOPMENT SCHEDULE
NTS

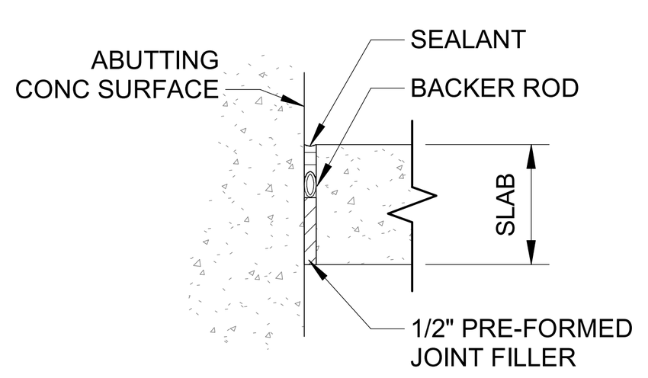


STANDARD 90° HOOK

BAR	EMBEDMENT	LEG
#4	0'-7"	0'-8"
#5	0'-9"	0'-10"
#6	0'-10"	1'-0"
#7	1'-0"	1'-2"
#8	1'-2"	1'-4"

ASSUMPTIONS:
1. f'_c = 4 KSI
2. F_y = 60 KSI
3. CLASS "B" SPLICES
4. SIDE COVER > OR = 2.5"
5. END COVER > OR = 2" WITHOUT TIES AROUND HOOK

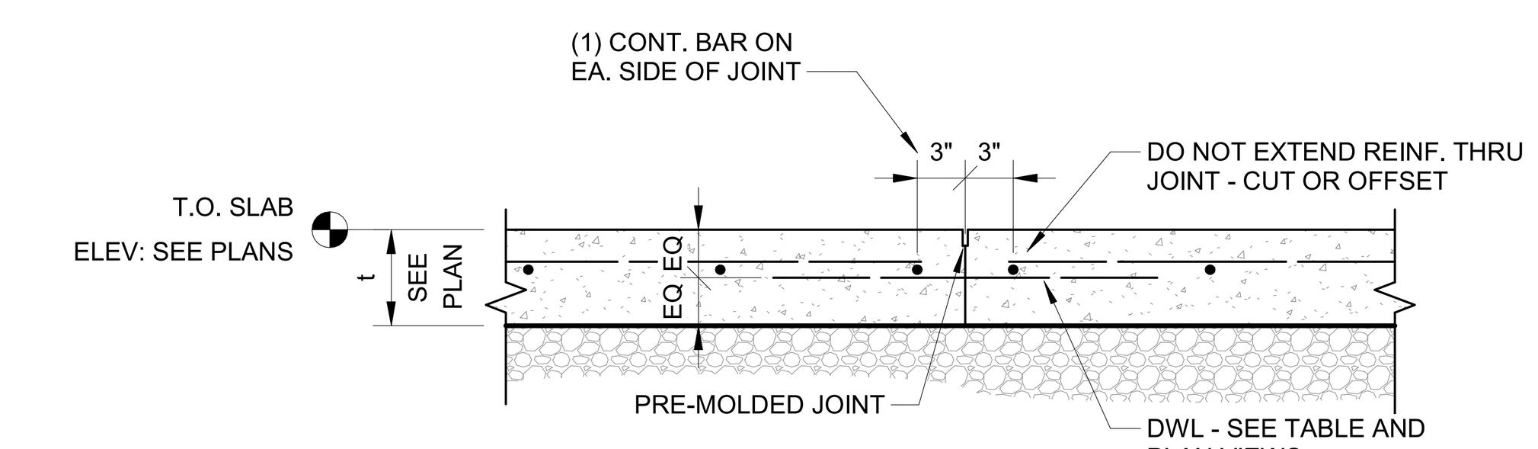
2 TYPICAL REBAR HOOK SCHEDULE
NTS



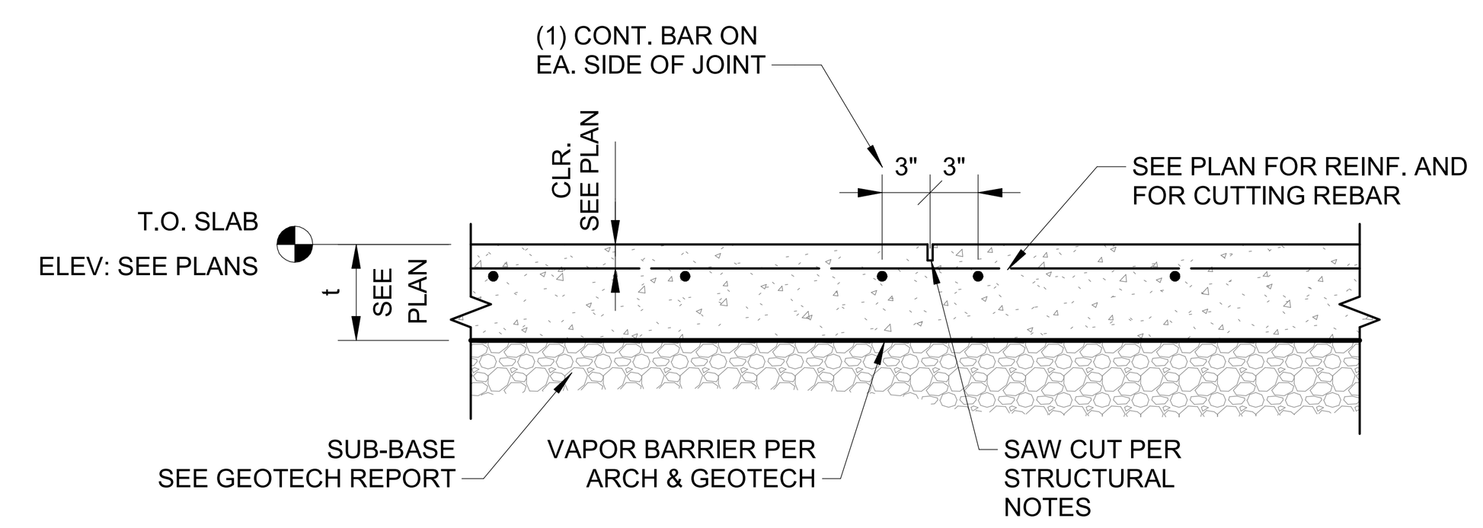
3 EXPANSION JOINT - SLAB TO WALL
NTS

t (IN)	DOWEL	MAX SPACING, S (IN)
5 - 6	1/4" X 4 1/2" SQ W/ #3 X 24" LG	18" ALTERNATING 18" ALTERNATING
7 - 8	3/8" X 4 1/2" SQ W/ #3 X 24" LG	18" ALTERNATING 18" ALTERNATING

NOTES:
1. PROVIDE DIAMOND DOWEL BRAND PLATE DOWELS OR APPROVED EQUIVALENT.

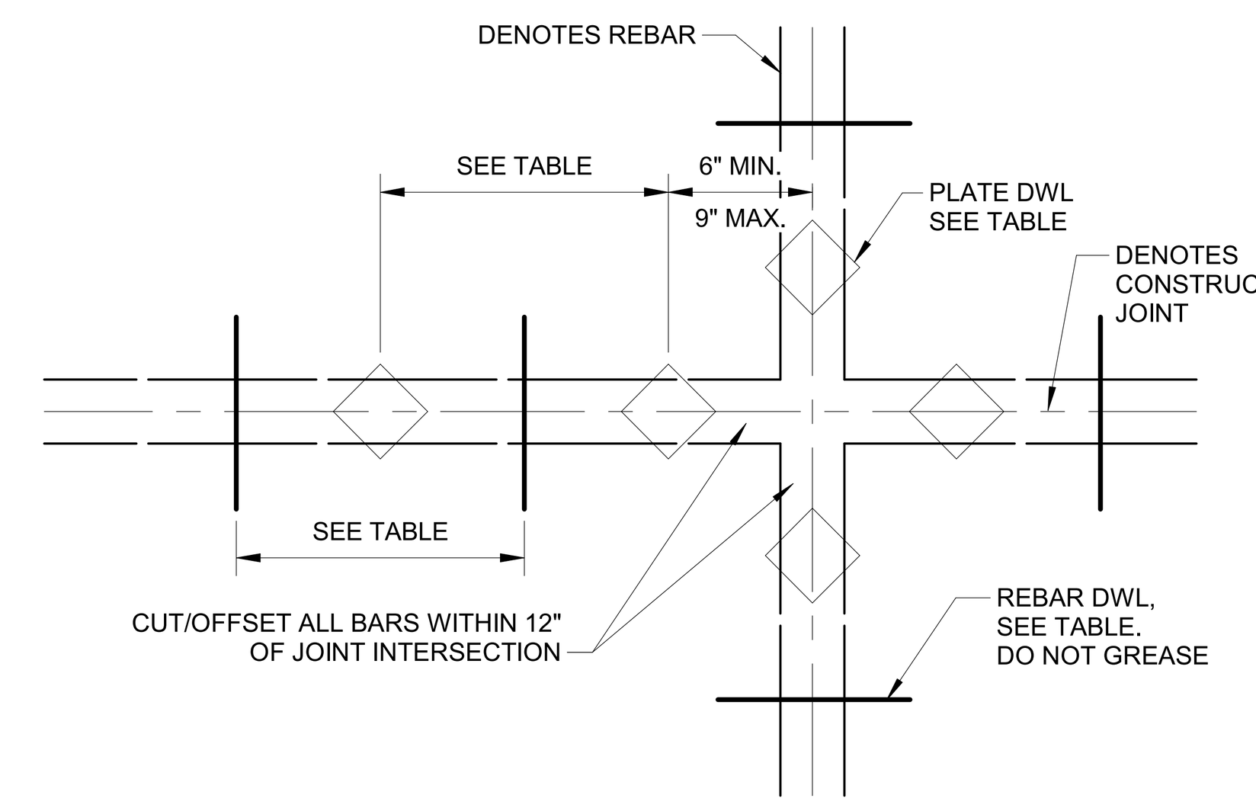


CONSTRUCTION JOINT

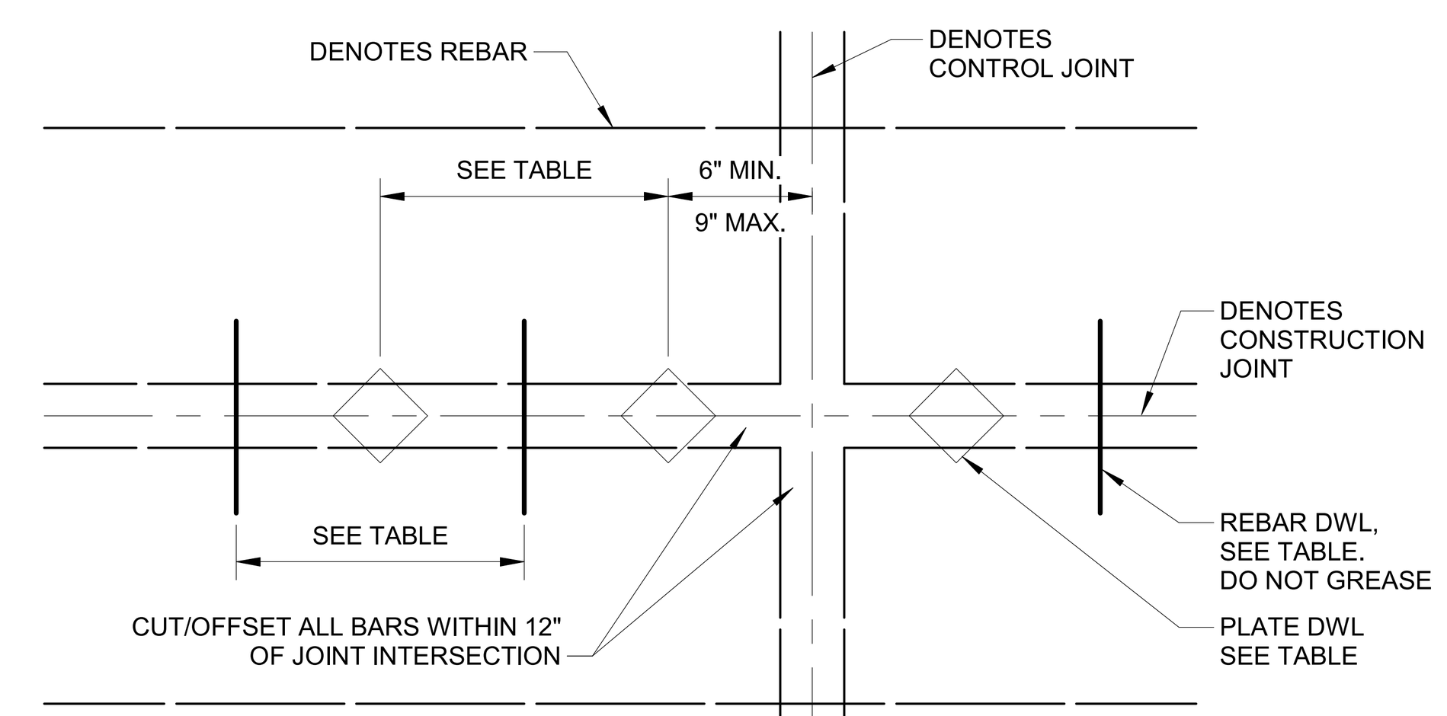


CONTROL / CONTRACTION JOINT

NOTES:
1. CLR IS TO BE MEASURED FROM TOP OF SLAB TO TOP OF UPPERMOST REBAR.
2. CONTRACTOR'S OPTION TO SAWCUT OR PROVIDED PRE-MOLDED INSERT.
3. SAW CUTS TO BE MADE WITHIN 24 HOURS AFTER POUR.
4. IF CONCRETE MIX USES FIBERS, SAW CUT TO BE 1/8" WIDE AND 1/3 X 't' TALL.
5. OTHERWISE, SAW CUT TO BE 1/8" WIDE AND 1/4 X 't' TALL (MIN 1" TALL).

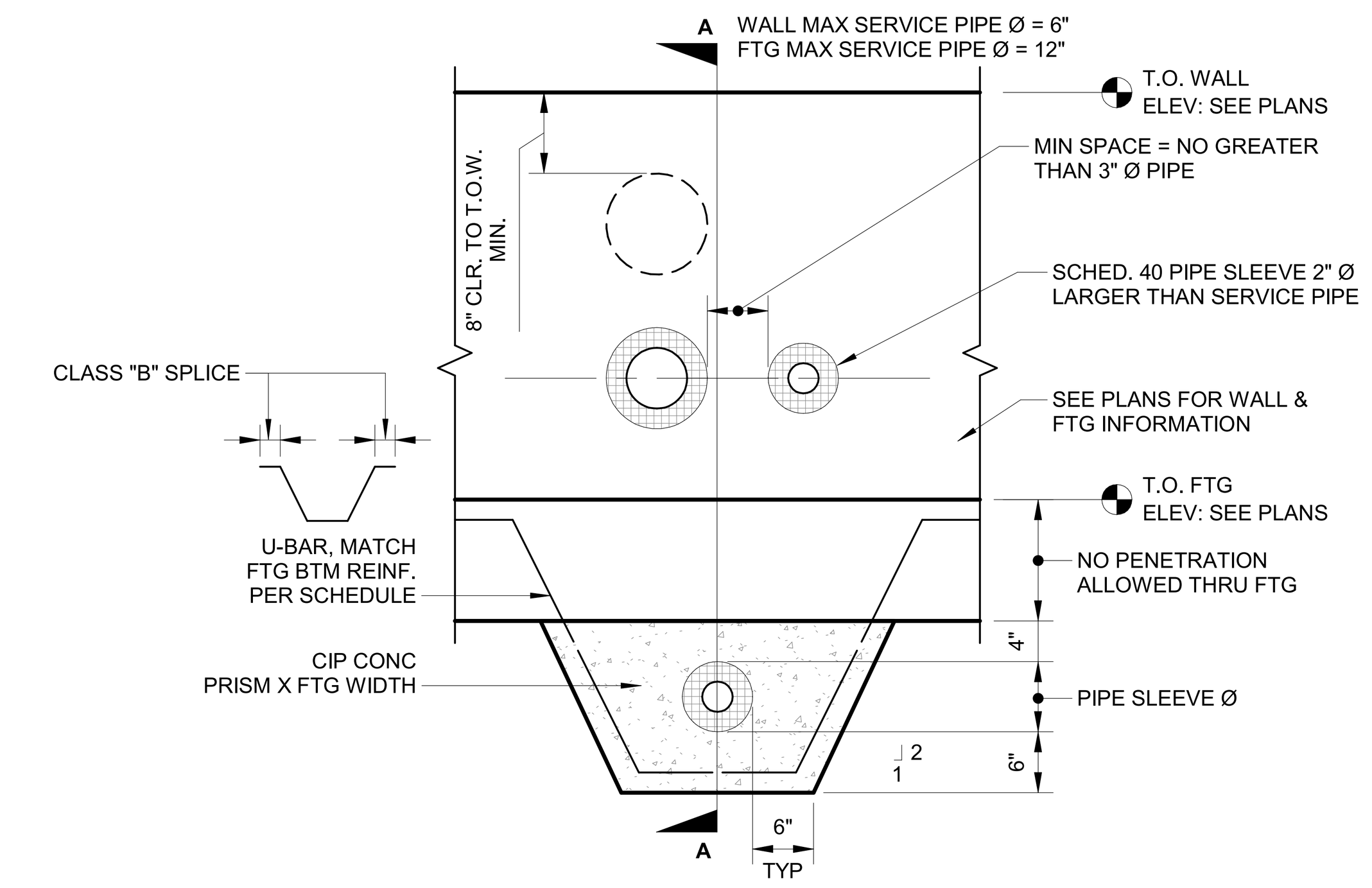


PLAN VIEW - CONSTRUCTION JOINT INTERSECTION

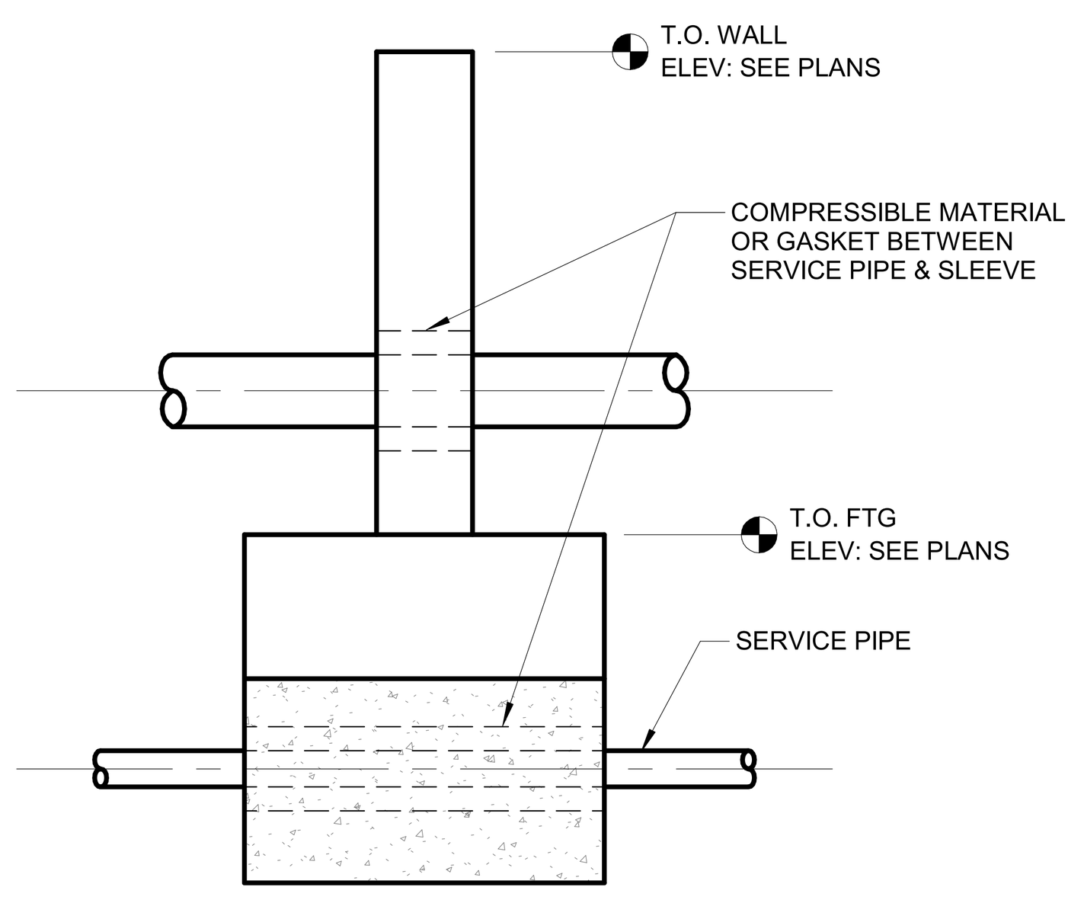


PLAN VIEW - CONSTRUCTION & CONTROL JOINT INTERSECTION

4 SLAB-ON-GRADE JOINTS
NTS

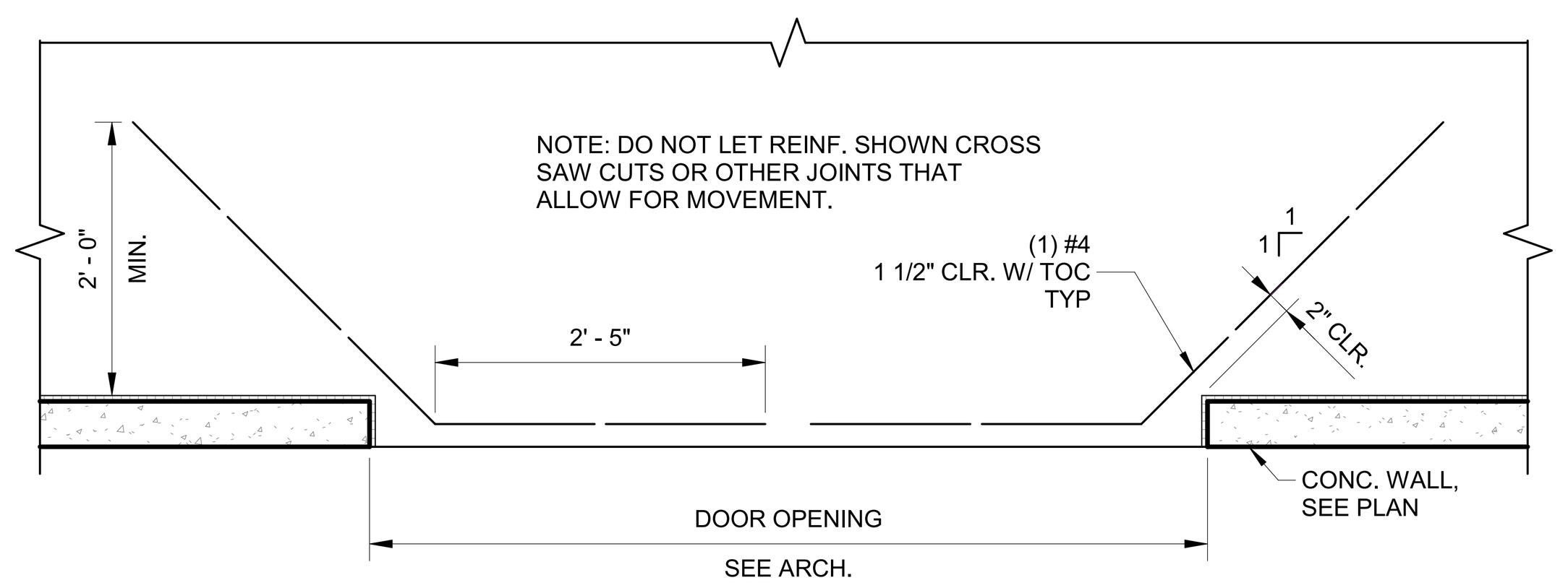


ELEVATION



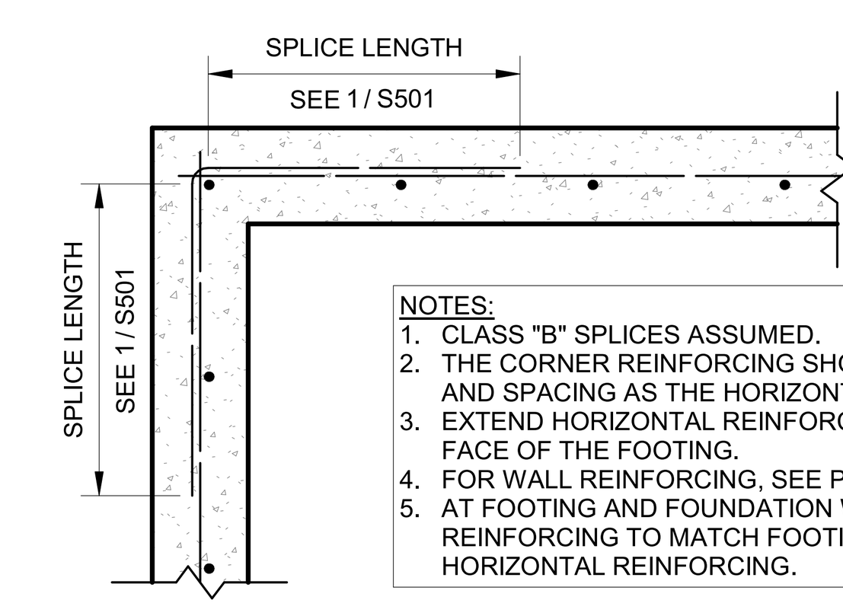
SECTION A-A

5 TYPICAL PIPE PENETRATION THRU WALL OR BELOW FOOTING
NTS



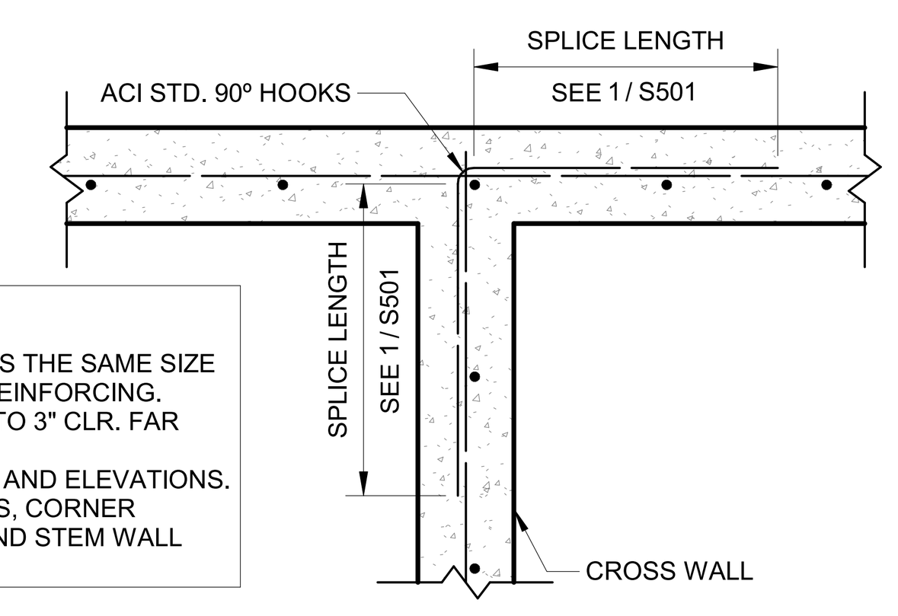
6 ADDITIONAL SLAB REINFORCING AT DOORS
NTS

NOTE: ADDITIONAL REINF. NOT REQ'D WHERE FLOOR COVERINGS (PER ARCH) ARE PROVIDED.



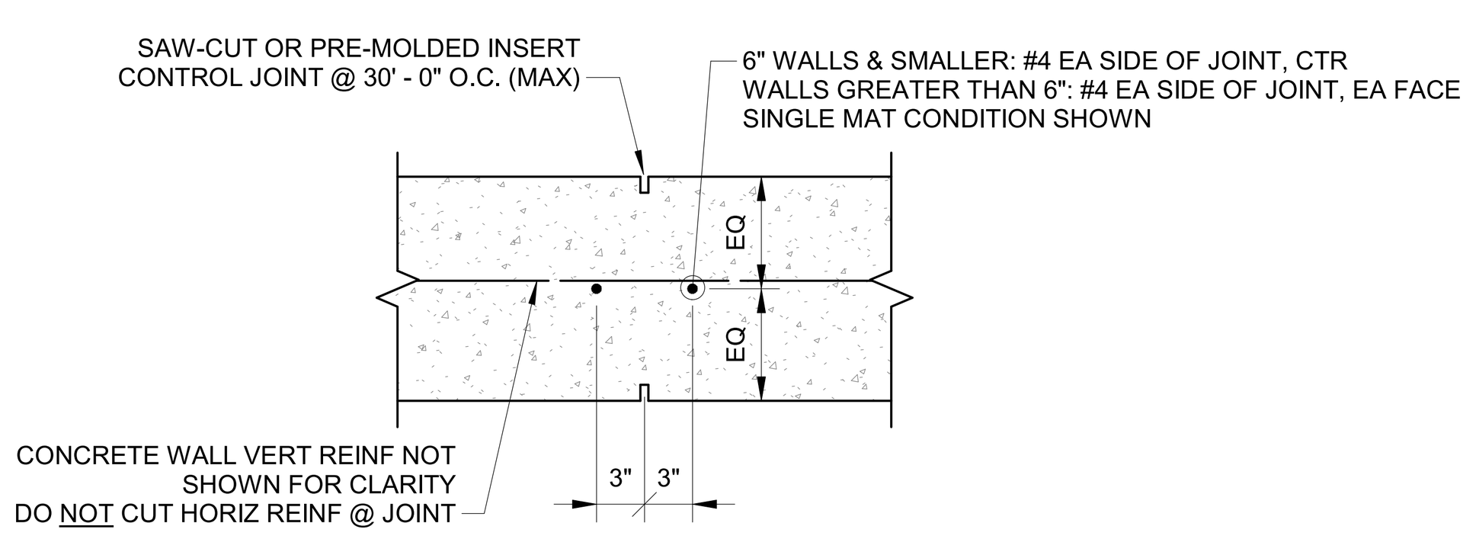
90° CORNER WALL REINF. CENTERED

NOTES:
1. CLASS "B" SPLICES ASSUMED.
2. THE CORNER REINFORCING SHOWN IS THE SAME SIZE AND SPACING AS THE HORIZONTAL REINFORCING.
3. EXTEND HORIZONTAL REINFORCING TO 3" CLR. FAR FACE OF THE FOOTING.
4. FOR WALL REINFORCING, SEE PLANS AND ELEVATIONS.
5. AT FOOTING AND FOUNDATION WALLS, CORNER REINFORCING TO MATCH FOOTING AND STEM WALL HORIZONTAL REINFORCING.



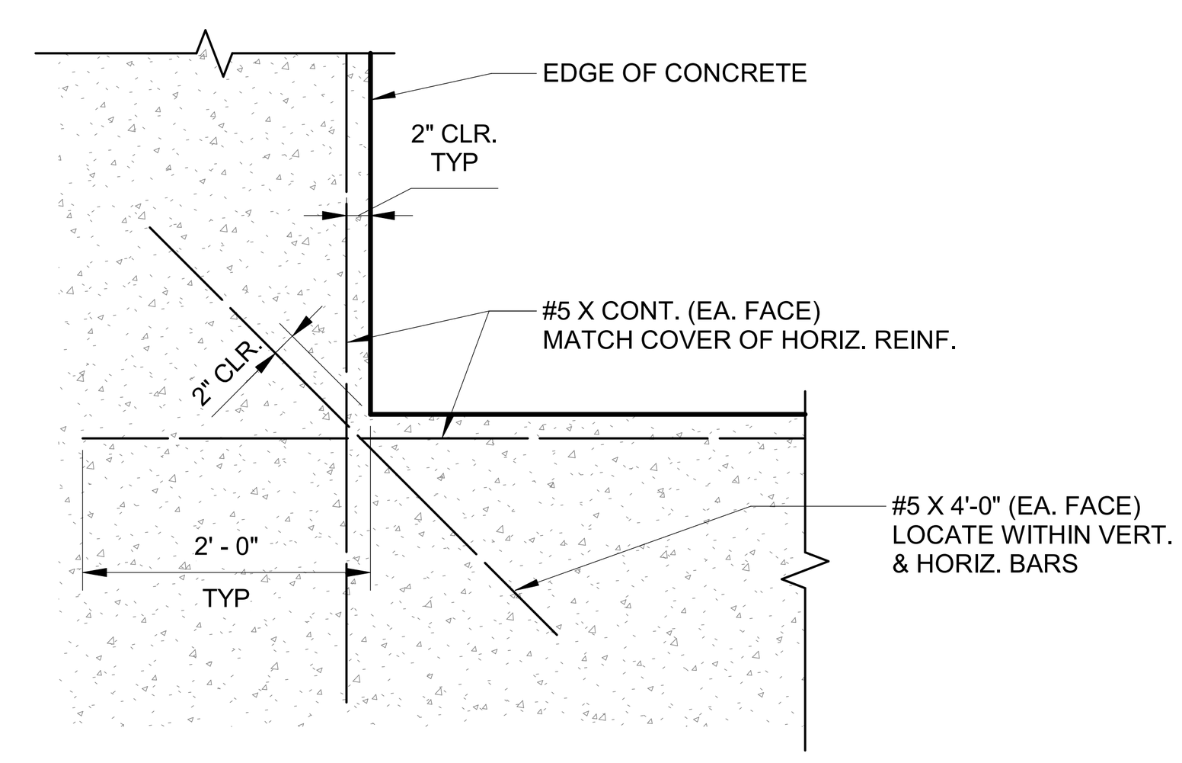
TEE CORNER WALL REINF. CENTERED

8 CORNER REINFORCING DETAILS
NTS



CONCRETE WALL PLAN VIEW

7 TYPICAL EXPOSED CONCRETE WALL CONTROL/CONTRACTION JOINT
NTS



9 TYPICAL RE-ENTRANT CORNER REINFORCEMENT
NTS

NOTE:
THIS DETAIL APPLIES FOR RE-ENTRANT CORNERS IN WALLS, SLABS, (SLAB-ON-GRADE AND ELEVATED, INCLUDING CONSTRUCTION JOINTS), BEAMS, AND FOOTINGS.

KLINGNER & ASSOCIATES, P.C.
Engineers • Architects • Surveyors
Columbia, Missouri
3622 Endeavor Ave, Suite 117
573.355.5988
www.klingner.com

REVISION HISTORY

#	DESCRIPTION	DATE	APPR

ISSUED FOR 10/30/2025
CD REVIEW

PRELIMINARY
NOT FOR CONSTRUCTION

NEW ALL PURPOSE FIELD AND PARKING LOT
HALLSVILLE R-IV SCHOOL DISTRICT
411 E. HIGHWAY 124
HALLSVILLE, MO 65255

Non-Reduced Sheet Size 30" x 42"
Full sized plans have been prepared using standard scales. Reduced sized plans may not conform to standard scales.

DESIGNED JEK	DRAWN JEK
FIELD	FIELD BOOK
CHECKED	CHECK DATE 01/06/2025

SHEET TITLE
FOUNDATION DETAILS

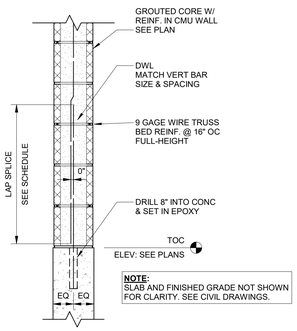
PROJECT NO. 24-5017
DRAWING ISSUED DATE: 10/30/2025
SHEET
S501

10/30/2025 3:25:24 PM
C:\Users\jkirby\Documents\S24_Hallsville Baseball Field & Parking Lot_24-5017 - STRL REV 1_jkirbyM4UCA.rvt

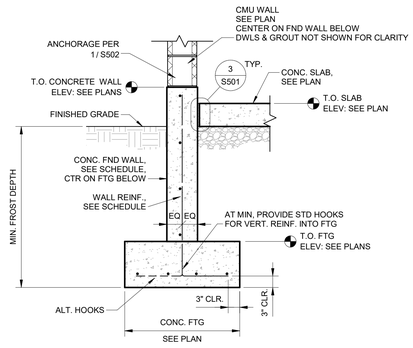
SIZE	MIN LAP	DEVELOPMENT
#3	18"	18"
#4	24"	24"
#5	30"	30"
#6	38"	38"

ASSUMPTIONS:
1. f'_m = 2 KSI
2. GRADE 60 REINF. BARS

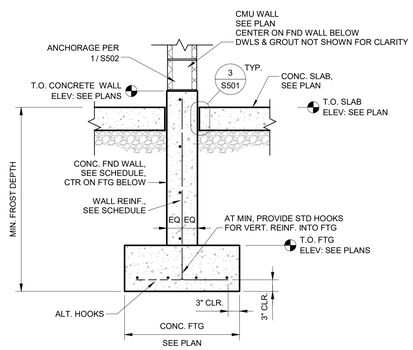
6 TYPICAL CMU REBAR LAP AND DEVELOPMENT SCHEDULE
NTS



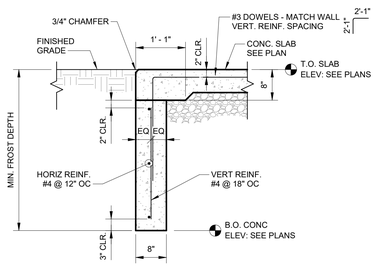
1 TYPICAL CMU WALL CONSTRUCTION
1" = 1'-0"



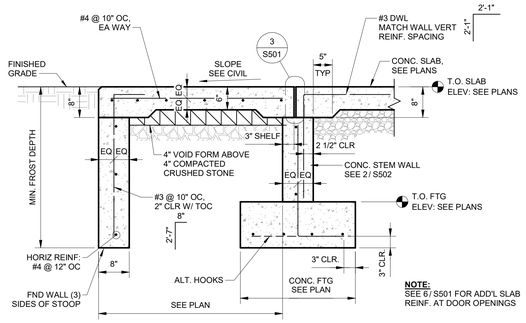
2 TYP. EXT. FOUNDATION WALL SECTION
NTS



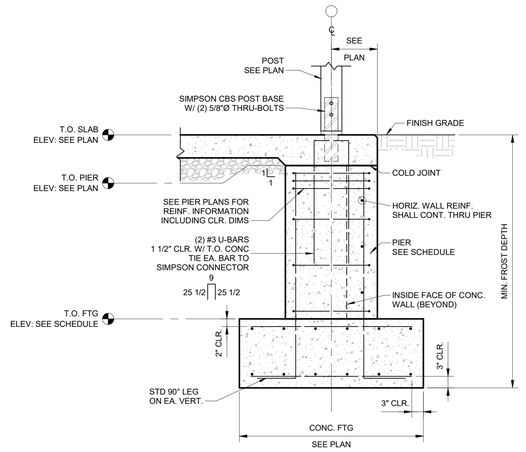
3 TYP. INT. FOUNDATION WALL SECTION
NTS



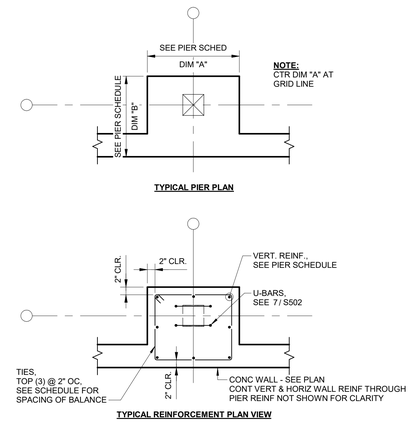
4 SLAB FROST WALL
3/4" = 1'-0"



5 BLOCKOUT WITH STOOP AT PERSONNEL DOORS
NTS



7 SIDEWALL PIER SECTION - WITH POST
NTS



8 PERIMETER PIER DETAIL
NTS

0 6" 1' 2'
SCALE: 1" = 1'-0"

0 1' 2'
SCALE: 3/4" = 1'-0"

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REVISION HISTORY

#	DESCRIPTION	DATE	APPR

ISSUED FOR 10/30/2025

CD REVIEW

PRELIMINARY NOT FOR CONSTRUCTION

NEW ALL PURPOSE FIELD AND PARKING LOT

HALLSVILLE R-IV SCHOOL DISTRICT
411 E. HIGHWAY 124
HALLSVILLE, MO 65255

Non-Reduced Sheet Size 30" x 42"
Full sized plans have been prepared using standard scales. Reduced sized plans may not conform to standard scales.

DESIGNED	DRAWN
JEK	JEK
FIELD	FIELD BOOK
CHECKED	CHECK DATE

SHEET TITLE

FOUNDATION DETAILS

PROJECT NO. 24-5017
DRAWING ISSUED DATE: 10/30/2025
SHEET

S502

10/30/2025 3:25:26 PM
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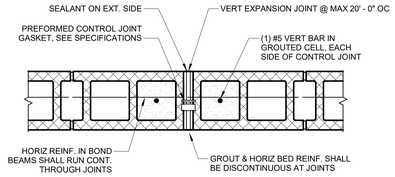
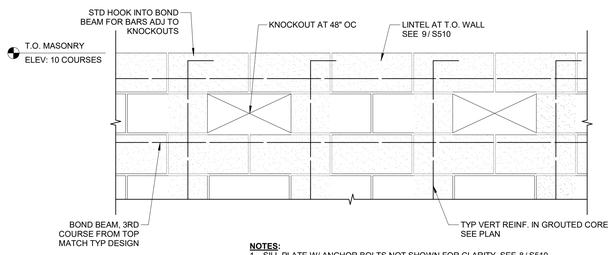


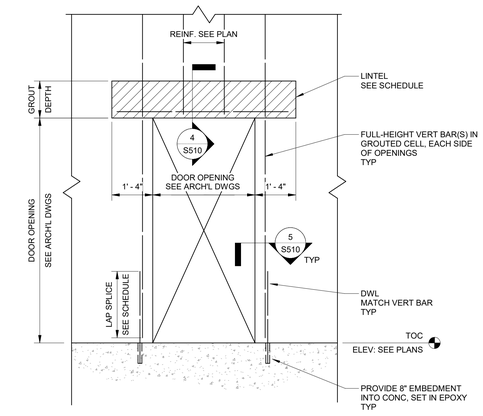
PLAN VIEW OF WALL

1 VERT EXPANSION JOINT DETAIL
1 1/2" = 1'-0"



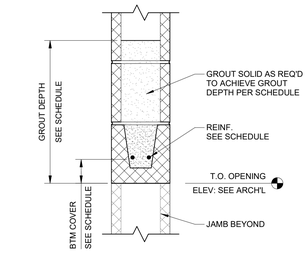
NOTES:
1. SILL PLATE W/ ANCHOR BOLTS NOT SHOWN FOR CLARITY. SEE 8/ S510.
2. T.O. BEAM INSIDE = T.O. SILL PL

2 LOW SIDEWALL KNOCKOUTS
1" = 1'-0"

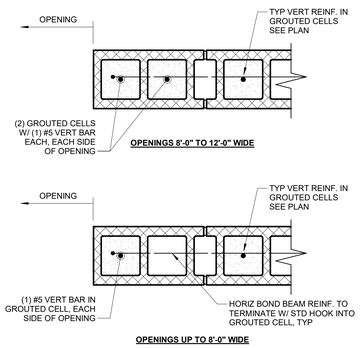


NOTES:
1. COORDINATE FINAL OPENING SIZE TO WITH DOOR MFR
2. TYP WALL REINF. NOT SHOWN FOR CLARITY
3. CONTROL JOINTS SHALL BE AT OPENING EDGE OR FUTHER THAN 5'-0" FROM OPENING EDGE

3 TYP CMU OPENING
1/2" = 1'-0"



4 CMU LINTEL DETAIL
1 1/2" = 1'-0"



5 CMU OPENING JAMB DETAILS
1 1/2" = 1'-0"

NOTES:
1. SILL PLATE W/ ANCHOR BOLTS NOT SHOWN FOR CLARITY. SEE 8/ S510.

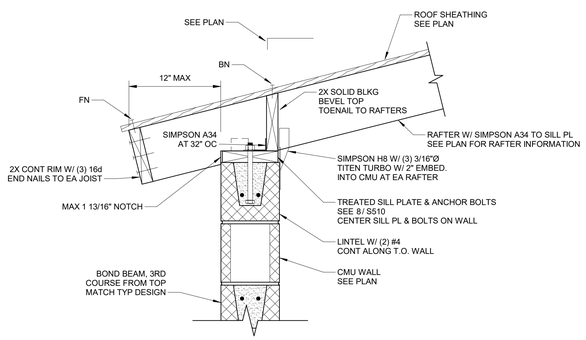
6 GABLE END WALL WITH SLOPED RAKE BEAM
1" = 1'-0"

NOTES:
1. SILL PLATE W/ ANCHOR BOLTS NOT SHOWN FOR CLARITY. SEE 8/ S510.
2. T.O. BEAM INSIDE = T.O. SILL PL

7 HIGH SIDE WOOD BEAM TO CMU
1 1/2" = 1'-0"

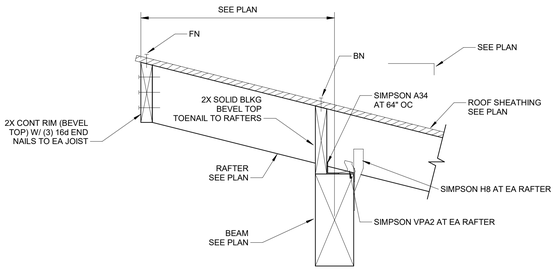
NOTES:
1. CEMENT BOARD FLASHING/DRIP EDGE NOT SHOWN. SEE ARCH'L DRAWINGS.
2. PROVIDE SCREEN TO AVOID NESTING
3. AT SIM CONDITION, ROOF CONTINUES PAST WALL

8 ENDWALL ROOF EDGE DETAIL
1 1/2" = 1'-0"



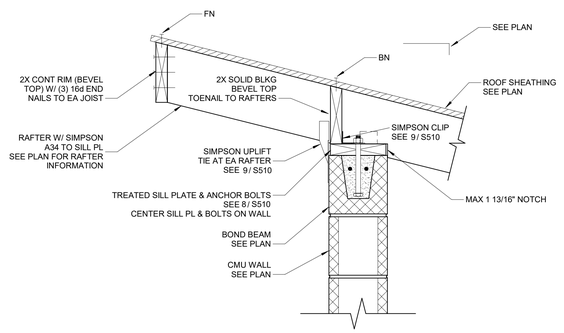
NOTES:
1. CEMENT BOARD FLASHING/DRIP EDGE & VENTED SOFFIT NOT SHOWN FOR CLARITY. SEE ARCH'L DETAILS.
2. REF CLIP MFR FOR FASTENER INFORMATION
3. MAINTAIN MIN EDGE DISTANCE REQUIREMENTS FOR TITEN TURBO SCREWS INTO CMU

9 WOOD RAFTER BEARING ON CMU WALL - LOW SIDE
1 1/2" = 1'-0"



NOTES:
1. CEMENT BOARD FLASHING/DRIP EDGE & VENTED SOFFIT NOT SHOWN FOR CLARITY. SEE ARCH'L DETAILS.
2. REF CLIP MFR FOR FASTENER INFORMATION

10 WOOD RAFTER BEARING ON WOOD BEAM
1 1/2" = 1'-0"



NOTES:
1. CEMENT BOARD FLASHING/DRIP EDGE & VENTED SOFFIT NOT SHOWN FOR CLARITY. SEE ARCH'L DETAILS.
2. REF CLIP MFR FOR FASTENER INFORMATION
3. MAINTAIN MIN EDGE DISTANCE REQUIREMENTS FOR TITEN TURBO SCREWS INTO CMU

11 WOOD RAFTER BEARING ON CMU WALL - HIGH SIDE
1 1/2" = 1'-0"

0 3" 6" 1'
SCALE: 1 1/2" = 1'-0"

0 6" 1' 2'
SCALE: 1" = 1'-0"

0 1' 2' 4'
SCALE: 1/2" = 1'-0"

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REVISION HISTORY

#	DESCRIPTION	DATE	APPR

ISSUED FOR **10/30/2025**

CD REVIEW

PRELIMINARY NOT FOR CONSTRUCTION

NEW ALL PURPOSE FIELD AND PARKING LOT

HALLSVILLE R-IV SCHOOL DISTRICT
411 E. HIGHWAY 124
HALLSVILLE, MO 65255

Non-Reduced Sheet Size 30" x 42"
Full sized plans have been prepared using standard scales. Reduced sized plans may not conform to standard scales.

DESIGNED	DRAWN
JEK	JEK
FIELD	FIELD BOOK
CHECKED	CHECK DATE

SHEET TITLE

STRUCTURAL DETAILS

PROJECT NO.
24-5017
DRAWING ISSUED DATE:
10/30/2025
SHEET
S510

10/30/2025 3:25:28 PM
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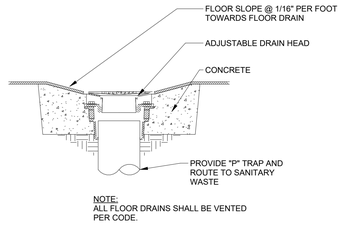
PLUMBING FIXTURE SCHEDULE

TAG	ADA	TYPE	DESCRIPTION	ROUGH-IN PIPE SIZE					BASIS OF DESIGN		ACCESSORIES				REMARKS
				CW	HW	SS	V	SD	MAKE	MODEL	TYPE	DESCRIPTION	BASIS OF DESIGN MAKE	BASIS OF DESIGN MODEL	
FD-1	Yes		FLOOR DRAIN - ROUND			3"	2"		ZURN JAY R. SMITH SIOUX CHIEF	ZN-415B 2005Y 832-NR	STRAINER	HEEL PROOF, POLISHED NICKEL BRONZE			

1 1ST BASE DUGOUT - ENLARGED PLUMBING PLAN
1/4" = 1'-0"

2 3RD BASE DUGOUT - ENLARGED PLUMBING PLAN
1/4" = 1'-0"



3 FLOOR DRAIN DETAIL
NTS

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Columbia, Missouri
3822 Endeavor Ave, Suite 117
573.355.5988
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REVISION HISTORY

	DESCRIPTION	DATE	APPR

ISSUED FOR 10/30/2025

CD REVIEW

PRELIMINARY
NOT FOR CONSTRUCTION

NEW ALL PURPOSE FIELD AND PARKING LOT

HALLSVILLE R-IV SCHOOL DISTRICT
411 E. HIGHWAY 124
HALLSVILLE, MO 65255

Non-Reduced Sheet Size 30" x 42"
Full sized plans have been prepared using standard scales. Reduced sized plans may not conform to standard scales.

DESIGNED	DRAWN
Designer	Author
FIELD	FIELD BOOK
CHECKED	CHECK DATE
Checker	

SHEET TITLE

PLUMBING PLAN, SCHEDULES & DETAILS

PROJECT NO.
24-5017
DRAWING ISSUED DATE:
10/30/25
SHEET

P101

10/30/2025 8:13:17 AM
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GENERAL ELECTRICAL NOTES:

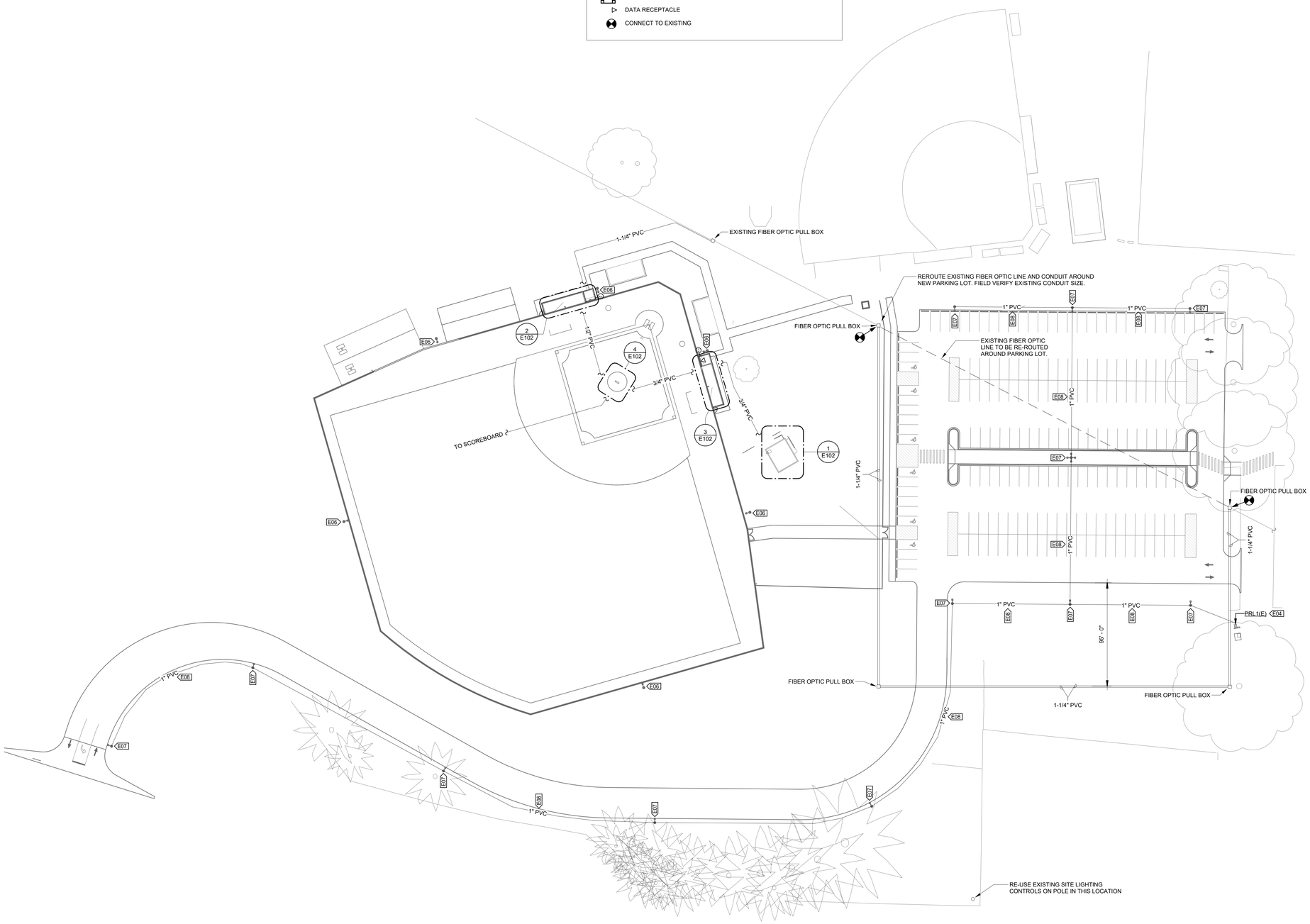
1. APPLICABLE STANDARDS: NFPA-70, NFPA-101, STATE BUILDING CODES, AND THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) OF 1971 AND ALL AMENDMENTS THERETO; EQUIPMENT, DEVICES, APPARATUS, SYSTEMS, AND INSTALLATIONS SHALL BE ENTIRELY SUITABLE AND SAFE FOR EACH INTENDED APPLICATION AND BE IN FULL COMPLIANCE WITH APPLICABLE STANDARDS, REQUIREMENTS, RULES, REGULATIONS, CODES, STATUTES, ORDINANCES, ETC., OF MUNICIPAL, COUNTY, AND STATE GOVERNMENTS, OWNER'S INSURANCE COMPANY, LOCAL UTILITIES, AND LABOR REGULATIONS. NOTHING CONTAINED IN THESE PLANS AND SPECIFICATIONS SHALL BE CONSTRUED TO CONFLICT WITH THESE LAWS, CODES, AND ORDINANCES.
2. DRAWINGS ARE SCHEMATIC AND SHOW APPROXIMATE LOCATIONS OF ELECTRICAL EQUIPMENT. EXACT LOCATIONS SHALL BE COORDINATED BY THE CONTRACTOR AND VERIFIED IN THE FIELD PRIOR TO ROUGH-IN.
3. INSTALLATIONS WHICH INCLUDE ELECTRICAL FIXTURES, DEVICES, CONDUIT, SWITCHES, PANELS, HANGERS, WIRE, CABLE, STANDARDS, ETC., MUST BE ENTIRELY SUITABLE FOR TEMPERATURES, HUMIDITY, DAMP AREAS, VOLTAGE, FREQUENCY, AND ALL INSTALLATION CONDITIONS ENCOUNTERED.
4. INSTALLATION MUST BE ENTIRELY SAFE IN EVERY RESPECT, AND MUST NOT CREATE ANY CONDITIONS OF ANY KIND WHICH WILL BE HARMFUL TO ANY OCCUPANT OF THE BUILDING. IF CONTRACTOR BELIEVES THAT INSTALLATION WILL NOT BE SAFE FOR ALL PEOPLE, HE/SHE SHALL SO REPORT IN WRITING TO ENGINEER BEFORE ANY EQUIPMENT IS PURCHASED OR WORK IS INSTALLED, GIVING EXACT RECOMMENDATIONS, AND REASONS FOR THEM.
5. GROUNDING: ALL GROUNDING SHALL BE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC).
6. INSTALLATION OF ELECTRICAL DEVICES SHALL BE COORDINATED WITH OTHER TRADES AS NECESSARY TO PREVENT ANY CONFLICTS DURING CONSTRUCTION.
7. LOW VOLTAGE CONDUIT AND JUNCTION BOXES SHALL BE INSTALLED BY THE CONTRACTOR.
8. WHERE PHONE/DATA OUTLET LOCATIONS ARE INDICATED INSTALL 1" EMT FROM OUTLET BOX (4"X4"X11/2"MIN.) TO TOP OF FINISHED WALL (ABOVE ACT CEILING). FOR OUTLETS LOCATED IN SURFACE MOUNTED RACEWAY, PROVIDE (2) 1" EMT FROM SURFACE RACEWAY BACK BOX TO ABOVE ACT CEILING.
9. EQUIPMENT GROUNDING CONDUCTORS SHALL BE PULLED WITH ALL BRANCH CIRCUITS. CONDUIT SHALL NOT BE USED AS A GROUND U.N.O.
10. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS, ACCESSORIES, TOOLS, EQUIPMENT, TRANSPORTATION, LABOR, SERVICES AND OPERATIONS NECESSARY FOR A COMPLETE ELECTRICAL SYSTEM.
11. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND ARRANGE FOR ALL INSPECTIONS REQUIRED BY STATE OR LOCAL AUTHORITIES.
12. MATERIALS MUST BE NEW, IN FIRST CLASS CONDITION.
13. CONDUIT SHALL BE SEPARATELY HUNG AND ANCHORED, FREE TO EXPAND AND CONTRACT QUIETLY, WITHOUT IMPOSING STRAINS ON STRUCTURE, DEVICES, AND EQUIPMENT. CONDUIT SHALL BE RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES.
14. CONTRACTOR SHALL PERFORM EXCAVATION REQUIRED TO INSTALL HIS WORK.

ELECTRICAL SYMBOLS

- STANDARD DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE INSTALLED AT DISTANCE ABOVE FINISHED FLOOR
- DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER
- DUPLEX GFCI RECEPTACLE WITH WEATHERPROOF ENCLOSURE
- JUNCTION BOX WALL MOUNTED A DISTANCE ABOVE FINISHED FLOOR
- CONDUIT PULL BOX
- SAFETY DISCONNECT SWITCH (FUSED)
- SAFETY DISCONNECT SWITCH (NON-FUSED)
- CIRCUIT BREAKER PANEL
- LINE VOLTAGE POWER CIRCUIT
- 2"ø EMT — CONDUIT SIZE AND TYPE
- CONDUIT TRANSITION DOWN
- BRANCH CIRCUIT HOME RUN
- DATA RACK
- DATA RECEPTACLE
- CONNECT TO EXISTING

KEYNOTE LEGEND

VALUE	DESCRIPTION
E04	NEW PARKING LOT LIGHTING TO BE CIRCUITED TO PANEL PRL1(E).
E06	RELOCATED LIGHT POLE FROM EXISTING BASEBALL FIELD. DEMOLISH EXISTING FEEDERS BACK TO SITE LIGHTING CONTROLS POLE. RE-FEED RELOCATED LIGHT POLE AS REQUIRED.
E07	NEW LIGHT POLE. SEE SITE PLAN FOR DETAILS.
E08	(3) #10 AWG CU, (1) #10 CU AWG EGC IN 1" PVC CONDUIT.



1 SITE PLAN
1" = 40'-0"

0 40' 80'
SCALE: 1" = 40'

KLINGNER & ASSOCIATES, P.C.
Engineers • Architects • Surveyors
www.klingner.com
Columbia, Missouri
3822 Endeavor Ave, Suite 117
573.355.5988

REVISION HISTORY

	DESCRIPTION	DATE	APPR

ISSUED FOR 10/30/2025

CD REVIEW

PRELIMINARY NOT FOR CONSTRUCTION

NEW ALL PURPOSE FIELD AND PARKING LOT

HALLSVILLE R-IV SCHOOL DISTRICT
411 E. HIGHWAY 124
HALLSVILLE, MO 65255

Non-Reduced Sheet Size 30" x 42"
Full sized plans have been prepared using standard scales. Reduced sized plans may not conform to standard scales.

DESIGNED	DRAWN
CRB	CRB
FIELD	FIELD BOOK
CHECKED MHB	CHECK DATE

SHEET TITLE

SITE ELECTRICAL PLAN

PROJECT NO. 24-5017
DRAWING ISSUED DATE: 10/30/25
SHEET E101

10/30/2025 8:13:19 AM
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BRANCH PANEL: PRL1(E)

LOCATION: VOLTS: 120/208 A.I.C. RATING:
SUPPLY FROM: PHASES: 3 PANEL TYPE: MLO
MOUNTING: SURFACE WIRES: 4 MAINS RATING: 400 A
ENCLOSURE: NEMA 1 ACCESSORIES: MAIN BREAKER: 400 A

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				167 VA	167 VA								2
3	1ST BASE LIGHTS (E)	20 A	3			167 VA	167 VA			3	20 A	3RD BASE LIGHTS (E)	4
5								167 VA	167 VA				6
7				167 VA	167 VA								8
9	RIGHT FIELD LINE LIGHTS (E)	60 A	3			167 VA	167 VA			3	60 A	LEFT FIELD LINE LIGHTS (E)	10
11								167 VA	167 VA				12
13				167 VA	167 VA								14
15	RIGHT FIELD LIGHTS (E)	40 A	3			167 VA	167 VA			3	40 A	LEFT FIELD LIGHTS (E)	16
17								167 VA	167 VA				18
19				1,080 VA	500 VA					1	20 A	POWER (E)	20
21	PARKING LOT LIGHTS / ENTRY ROAD LIGHTS	30 A	3			1,080 VA	--			1	--	SPACE (E)	22
23								1,080 VA	--	1	--	SPACE (E)	24
25	SPACE	--	1	--	--					1	--	SPACE (E)	26
27	SPACE	--	1			--	--			1	--	SPACE (E)	28
29	SPACE (E)	--	1					--	--	1	--	SPACE (E)	30
31	SPACE (E)	--	1	--	--					1	--	SPACE (E)	32
33	SPACE (E)	--	1			--	--			1	--	SPACE (E)	34
35	SPACE (E)	--	1					--	--	1	--	SPACE (E)	36
37	SPACE (E)	--	1	--	--					1	--	SPACE (E)	38
39	SPACE (E)	--	1			--	--			1	--	SPACE (E)	40
41	SPACE (E)	--	1					--	--	1	--	SPACE (E)	42
		PHASE LOAD:		2,580 VA		2,080 VA		2,080 VA		**TOTAL LOAD:		6,741 VA	
		PHASE AMPS:		22 A		17 A		17 A		**TOTAL AMPS:		19 A	

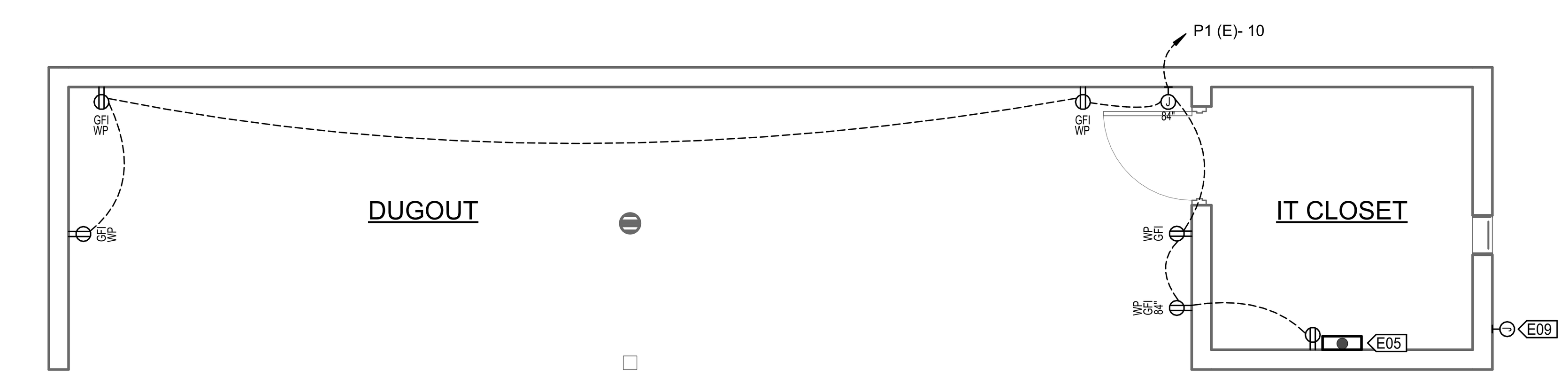
* FIELD VERIFY BREAKER SIZE WITH ACTUAL EQUIPMENT PROVIDED. COORDINATE WITH OTHER CONTRACTORS AS NECESSARY.
**TOTAL LOAD AND TOTAL AMPS DO NOT INCLUDE DEMAND FACTOR CALCULATIONS.
BREAKERS/SPACES MARKED '(E)' ARE EXISTING TO REMAIN.

BRANCH PANEL: P1 (E)

LOCATION: EXISTING STORAGE... VOLTS: 120/240 A.I.C. RATING:
SUPPLY FROM: PHASES: 1 PANEL TYPE: MAIN CB
MOUNTING: SURFACE WIRES: 3 MAINS RATING: 100 A
ENCLOSURE: NEMA 1 ACCESSORIES: MAIN BREAKER: 100 A

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	LIGHTS (E)	20 A	1	500 VA	500 VA			1	20 A	LIGHTS (E)	2
3	RECEPT. (E)	20 A	1			500 VA	500 VA	1	20 A	RECEPT. (E)	4
5	RECEPT. (E)	20 A	1	500 VA	500 VA			1	20 A	RECEPT. (E)	6
7	BASEBOARD HEAT (E)	20 A	2			250 VA	1,641 VA	1	20 A	3RD BASE DUGOUT / PITCHERS...	8
9				250 VA	1,080 VA			1	20 A	1ST BASE DUGOUT	10
11											12
13											14
15											16
17											18
19											20
21											22
23											24
		PHASE LOAD:		3,256 VA		2,861 VA		**TOTAL LOAD:		6,117 VA	
		PHASE AMPS:		27 A		24 A		**TOTAL AMPS:		25 A	

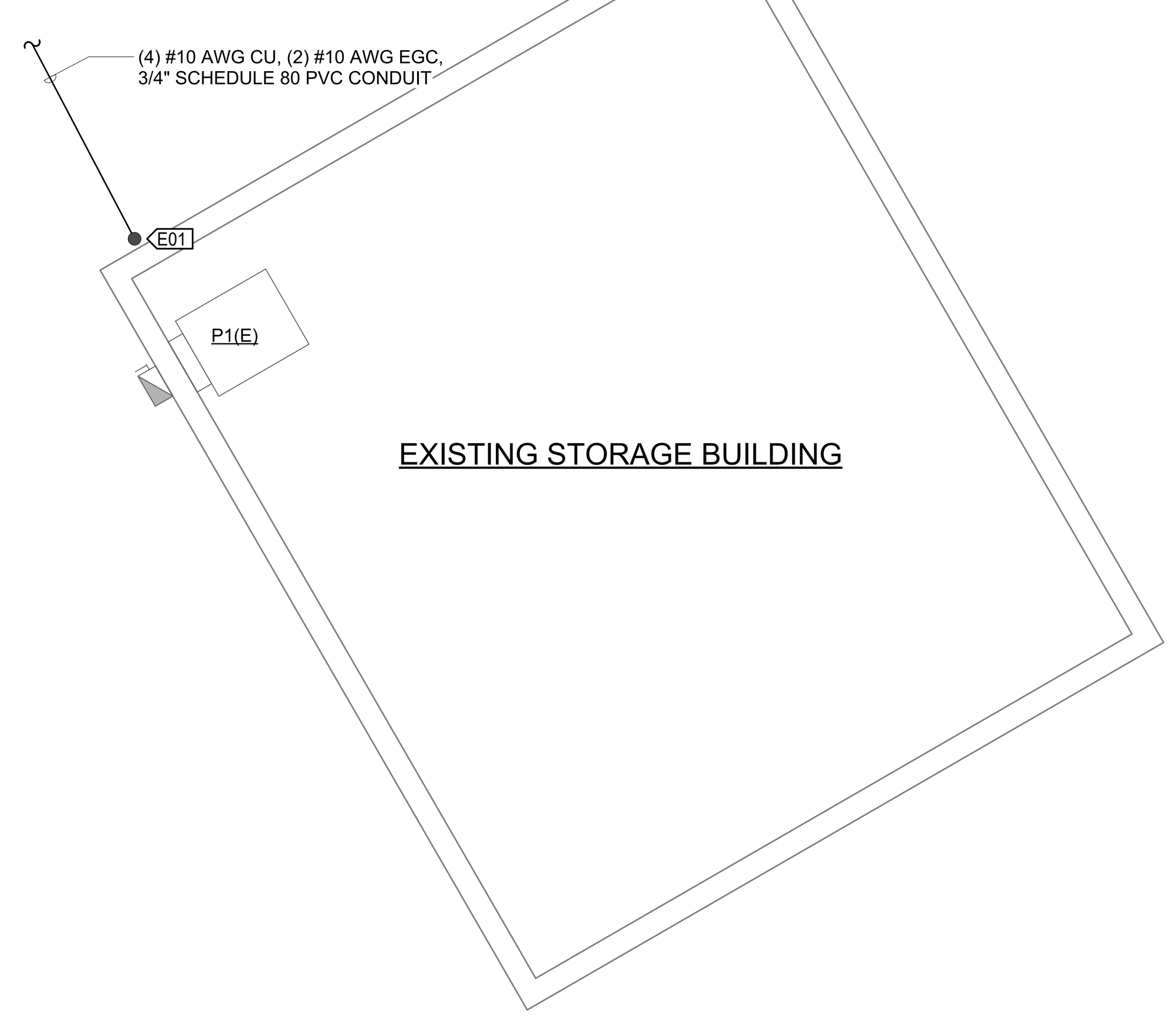
* FIELD VERIFY BREAKER SIZE WITH ACTUAL EQUIPMENT PROVIDED. COORDINATE WITH OTHER CONTRACTORS AS NECESSARY.
**TOTAL LOAD AND TOTAL AMPS DO NOT INCLUDE DEMAND FACTOR CALCULATIONS.
BREAKERS MARKED '(E)' ARE EXISTING TO REMAIN.



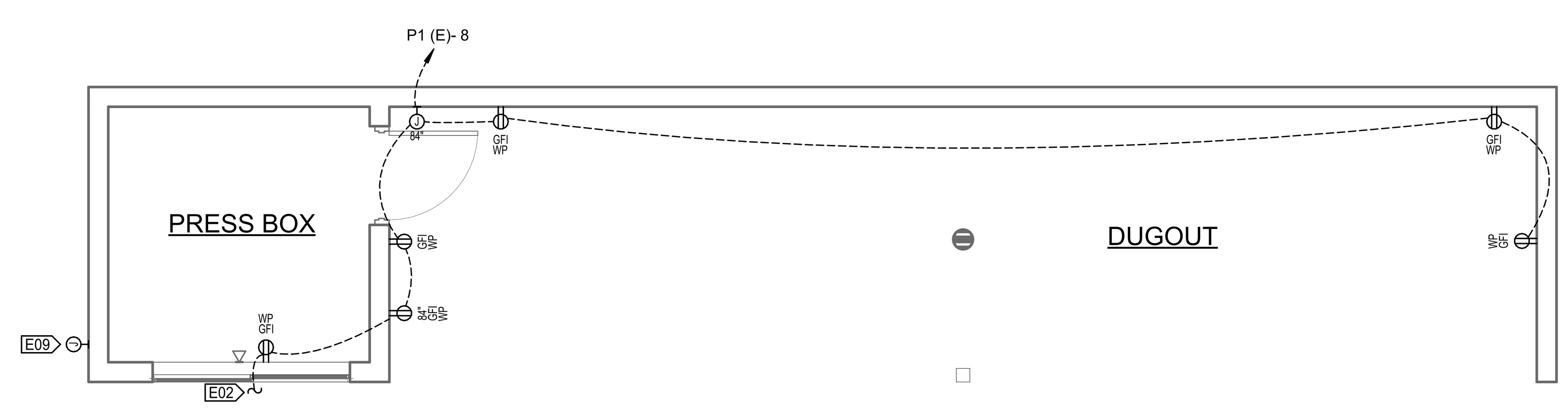
2 1ST BASE DUGOUT - ENLARGED ELECTRICAL PLAN
1/4" = 1'-0"

KEYNOTE LEGEND

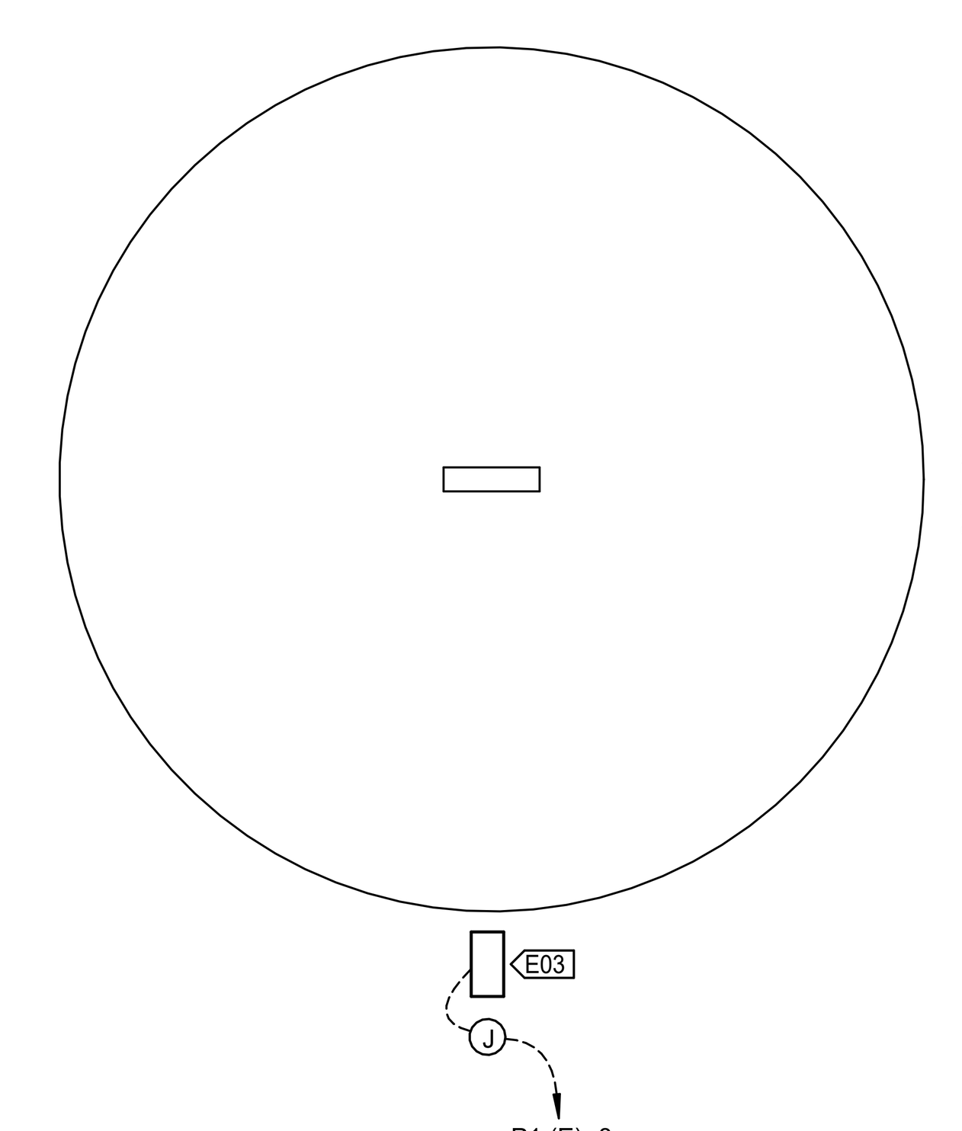
VALUE	DESCRIPTION
E01	CONDUIT ROUTED OUT OF EXISTING STORAGE BUILDING AND DOWN BELOW GRADE. COORDINATE INSTALLATION WITH REMOVAL OF CONCRETE SECTION. SEE SITE PLAN FOR CONTINUATION.
E02	WEATHERPROOF GFCI RECEPTACLE TO BE WIRED DIRECTLY UPSTREAM OF PITCHERS MOUND IN-GROUND RECEPTACLE BOX. SEE 4/E102 FOR DETAILS.
E03	TYPE 6P NEMA ENCLOSURE, IP68 RATED OUTDOOR GROUND BOX WITH (2) NEMA 5-20R LOCKING DUPLEX RECEPTACLES, EQUAL TO LEGRAND XB814. LOCATE OUTDOOR GROUND BOX BEHIND BASEBALL PITCHERS MOUND LOCATION AS SHOWN. GROUND BOX COVER TO BE COVERED WITH TURF FIELD, COORDINATE WITH FIELD INSTALLATION.
E05	X" RMC UP THROUGH FLOOR. FIBER OPTIC CABLE TO OUTDOOR RATED IT CABINET. CABINET TO BE PROVIDED BY OWNER.
E09	COORDINATE POWER REQUIREMENTS AND MOUNTING HEIGHT WITH PA SYSTEM SPEAKER.



1 EXISTING STORAGE BUILDING - ENLARGED ELECTRICAL PLAN
1/4" = 1'-0"



3 3RD BASE DUGOUT - ENLARGED ELECTRICAL PLAN
1/4" = 1'-0"



4 PITCHERS MOUND - ENLARGED ELECTRICAL PLAN
1/4" = 1'-0"

10/30/2025 8:13:18 AM
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SHEET TITLE
ELECTRICAL SCHEDULES & DETAILS

PROJECT NO.
24-5017
DRAWING ISSUED DATE:
10/30/25
SHEET
E102