

SITE PLAN FOR A PROPOSED
McDONALD'S RESTAURANT
NSN45021 (024-1329)
653 S HUNT ROAD
WILLARD, MISSOURI 65781

DEVELOPMENT NOTES:

1. SITE AREA: 1.526 ACRES
2. SITE ADDRESS: TBD S HUNT ROAD
WILLARD, MO 65781
3. PROPERTY ID: 0725302073
4. EXISTING ZONING: C-2 GENERAL BUSINESS DISTRICT
5. USE:
EXISTING USE: VACANT
PROPOSED USE: RESTAURANT, McDONALD'S
6. BUILDING: 4590 BUILDING
GROSS BUILDING AREA: 4,398 SQ.FT.
NET FLOOR AREA: 4,076 SQ.FT.
- PROPERTY OWNER: CRIGHTON, NANCY J TRUSTEE
516 E NEW MELVILLE RD
WILLARD, MO 65781
7. SETBACKS (PER ORDINANCE): FRONT BUILDING SETBACK: 25'
SIDE BUILDING SETBACK: NONE
REAR BUILDING SETBACK: NONE
8. MAXIMUM BUILDING HEIGHT: 45'
9. ALL NEW UTILITIES SHALL BE LOCATED UNDERGROUND.
10. ALL NECESSARY UTILITIES (PUBLIC AND PRIVATE) WILL BE AVAILABLE, FUNCTIONING, AND USABLE AT THE TIME ANY STAGE OF THE PROJECT OR THE TOTAL PROJECT IS READY FOR OCCUPANCY.
11. FLOOD ZONE INFORMATION: ACCORDING TO THE FLOOD INSURANCE RATE MAP OF WILLARD, MO, MAP NUMBER 26077C0191E, WITH AN EFFECTIVE DATE OF DECEMBER 17, 2010, THIS PROPERTY IS LOCATED IN AN AREA OF MINIMAL FLOOD HAZARD - ZONE X.
12. ANY SIGNAGE SHALL BE BY SEPARATE PERMIT.

SITE DATA TABLE	
SITE AREA	66,479 SQ.FT. (1.526 ACRES)
EXISTING IMPERVIOUS AREA	0 SQ. FT. (0 ACRES, 0%)
EXISTING PERVIOUS AREA	66,479 SQ. FT. (1.526 ACRES, 100.00%)
PROPOSED IMPERVIOUS AREA	41,341 SQ. FT. (0.949 ACRES, 62.19%)
PROPOSED PERVIOUS AREA	25,138 SQ. FT. (0.577 ACRES, 37.81%)
TOTAL DISTURBED AREA	2,038 ACRES

PARKING INFORMATION	
TOTAL SPACES REQUIRED 25	• 1 SPACE FOR EVERY 3 FIXED SEATS PLUS 1 SPACE FOR EVERY 2 EMPLOYEES ON THE LARGEST SHIFT. (48 SEATS)/3 = 16 (18 EMPLOYEES)/2 = 9
TOTAL SPACES PROVIDED 36	• 21 PROPOSED SPACES: 9'X19' STANDARD @ 60" • 13 PROPOSED SPACES: 9'X18.5' STANDARD @90" • 2 PROPOSED 9'X18.5' ADA @ 60"

OWNER/TEAM INFORMATION

CIVIL ENGINEER & LAND SURVEYOR

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
10300 ALLIANCE ROAD, SUITE 300
CINCINNATI, OH 45242
PH: (513) 985-0226
CONTACTS: TYLER AMICON

ARCHITECT

JAW ARCHITECTS, INC.
6115 CAMP BOWIE BLVD., SUITE 200
FORT WORTH, TX 76116
PH: (817) 705-3387
CONTACT: JEREMY WILLIAMS

DEVELOPER

McDONALD'S USA, LLC
110 N. CARPENTER ST.
CHICAGO, IL 60607
CONTACT: AMY SWITZER
PH: (913) 660-2205
EMAIL: AMY.SWITZER@US.MCD.COM

UTILITY COMPANIES

SANITARY SEWER SERVICE

CITY OF WILLARD PUBLIC WORKS
108 W JACKSON
WILLARD, MO 65781
CONTACT: TREVOR HOFFMAN
PH: 717-742-5320
EMAIL: PWD@CITYOFWILLARD.ORG

ELECTRIC SERVICE

EMPIRE DISTRICT ELECTRIC
2690 W BROADWAY ST
BOLIVAR, MO 65613
CONTACT: JOHN PENNER
PH: 417-560-5582
EMAIL: JOHN.PENNER@LIBERTYUTILITIES.COM

CABLE TV SERVICE

AT&T
CONTACT: JOHN PENNER
PH: 417-353-8877
EMAIL: JP1392@ATT.COM

STORM WATER FACILITIES

CITY OF WILLARD PUBLIC WORKS
224 W JACKSON
WILLARD, MO 65781
CONTACT: MIKE RUESCH
PH: 417-742-5310
EMAIL: PLANNING@CITYOFWILLARD.ORG

GAS SERVICE

SPIRE ENERGY
520 E 5TH STREET
JOPLIN, MO 64801
CONTACT: DUSTIN BORLAND
PH: 513-287-5632
EMAIL: DUSTIN.BORLAND@SPIREENERGY.COM

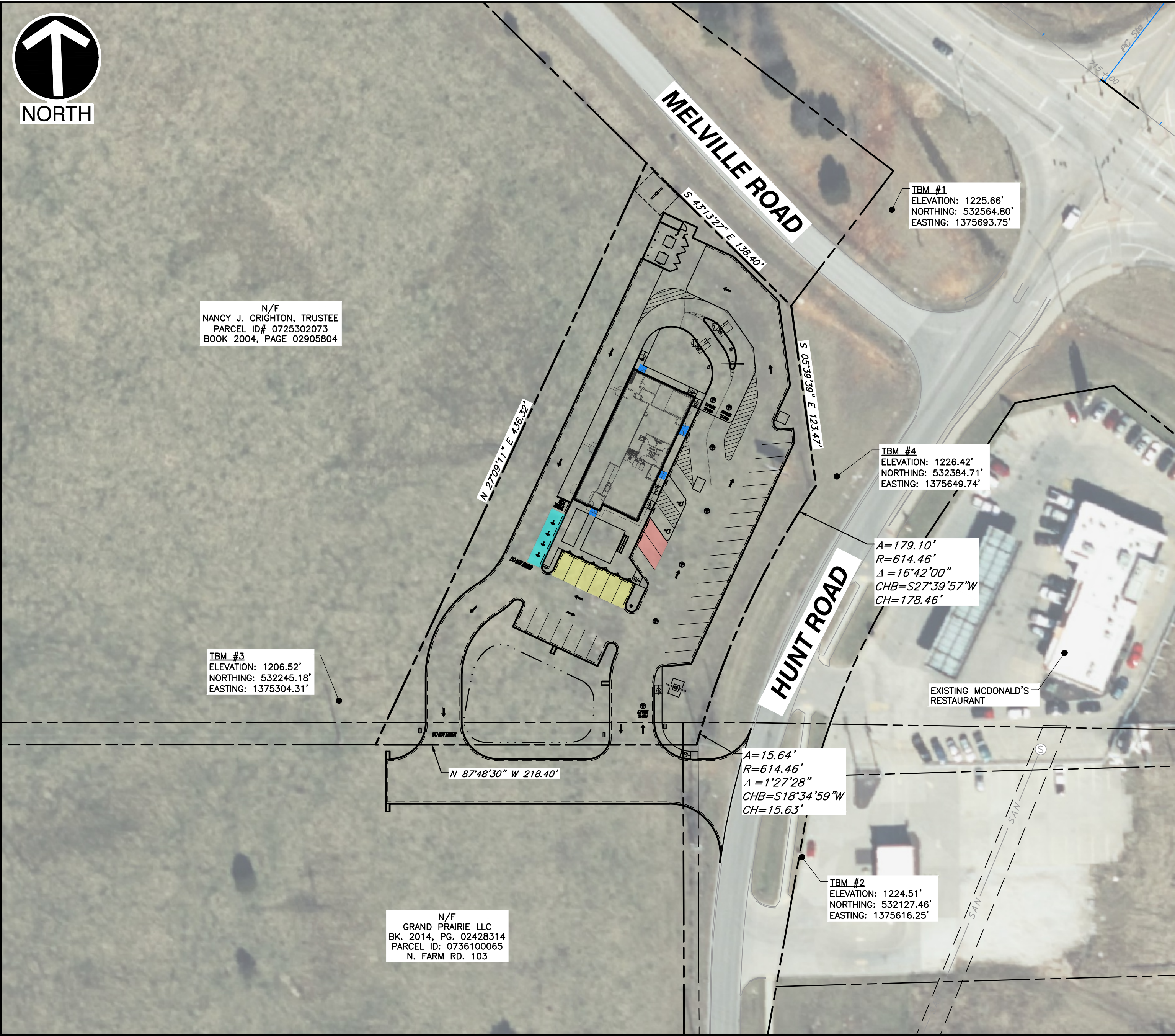
WATER SERVICE

CITY OF WILLARD PUBLIC WORKS
108 W JACKSON
WILLARD, MO 65781
CONTACT: TREVOR HOFFMAN
PH: 417-742-5320
EMAIL: PWD@CITYOFWILLARD.ORG

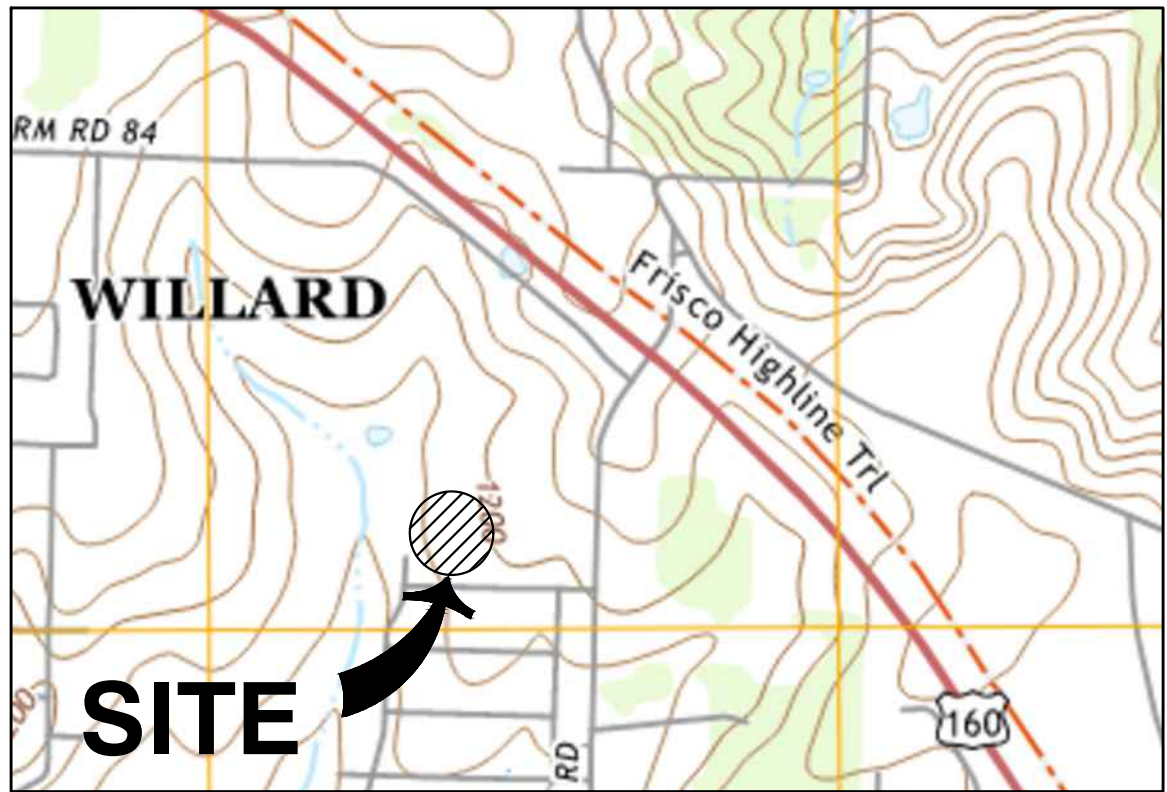


811 or 1-800-344-7483
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SITE MAP
SCALE: 1"=50'



SITE USGS AND LOCATION MAP

U.S.G.S. 7.5 TOPOGRAPHIC MAP OF WILLARD QUADRANGLE,
MISSOURI - GREEN CO. DATED 2021.
SCALE: 1" = 1000'

SHEET INDEX		
SHEET NUMBER	DRAWING NUMBER	SHEET TITLE
1	C000	COVER SHEET
2	C001	GENERAL NOTES
3	C100	EXISTING CONDITIONS & DEMOLITION PLAN
4	C200	LAYOUT PLAN
5	C300	GRADING PLAN
6	C301	ACCESS ROAD PLAN
7	C400	DRAINAGE PLAN
8	C401	DRAINAGE PROFILES
9	C500	UTILITY PLAN
10	C501	SANITARY MAIN EXTENSION PLAN
11	C502	SANITARY MAIN EXTENSION PROFILES
12	C700	LANDSCAPE PLAN
13	C701	LANDSCAPE DETAILS
14	C800	SITE DETAILS
15	C801	SITE DETAILS
16	C802	SITE DETAILS
17	C803	SITE DETAILS
18	C900	EROSION & SEDIMENT CONTROL PLAN
19	C901	EROSION & SEDIMENT CONTROL DETAILS
20	LI-1	IRRIGATION PLAN
21	LI-2	IRRIGATION DETAILS
22	LI-3	IRRIGATION SPECIFICATIONS
23	LIGHTING	PHOTOMETRIC PLAN
24	SV01	ALTA/NSPS LAND TITLE SURVEY COVER SHEET AND NOTES
25	SV01	ALTA/NSPS LAND TITLE SURVEY OVERALL SITE
26	SV01	ALTA/NSPS LAND TITLE SURVEY PROJECT SITE DETAIL
27	SV01	ALTA/NSPS LAND TITLE SURVEY AERIAL OVERLAY SHEET

LEGAL DESCRIPTION

PART OF THE SOUTHEAST QUARTER OF SECTION 25, TOWNSHIP 30 NORTH, RANGE 23 WEST, CITY OF WILLARD, GREENE COUNTY, MISSOURI DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF THE SOUTHEAST QUARTER OF SAID SECTION 25;

THENCE ALONG THE LINE COMMON TO SECTIONS 25 AND 36, NORTH 87 DEGREES 48 MINUTES 30 SECONDS WEST A DISTANCE OF 21.35 FEET TO THE POINT OF INTERSECTION OF SAID COMMON SECTION LINE AND WEST RIGHT-OF-WAY LINE OF HUNT ROAD (VARIABLE WIDTH), SAID POINT BEING THE POINT OF BEGINNING;

THENCE DEPARTING SAID LINE COMMON TO SECTIONS 25 AND 36, AND ALONG THE WEST RIGHT OF WAY LINE OF HUNT ROAD (VARIABLE WIDTH), ALONG A CURVE TO THE LEFT, HAVING A RADIUS OF 614.46 FEET, AN ARC LENGTH OF 15.64 FEET, AND A CHORD WHICH BEARS SOUTH 89 DEGREES 34 MINUTES 59 SECONDS WEST, 15.63 FEET TO A POINT ON THE SOUTH LINE OF A TRACT OF LAND CONVEYED TO THE NANCY J. CRIGHTON REVOCABLE TRUST, PER INSTRUMENT RECORDED IN BOOK 2004, PAGE 02905804 OF THE GREENE COUNTY RECORDS;

THENCE, ALONG LAST SAID SOUTH LINE, NORTH 87 DEGREES 48 MINUTES 30 SECONDS WEST, 218.40 FEET;

THENCE, DEPARTING LAST SAID SOUTH LINE, NORTH 27 DEGREES 09 MINUTES 11 SECONDS EAST, 436.32 FEET THE SOUTH RIGHT-OF-WAY LINE OF NEW MELVILLE ROAD, (VARIABLE WIDTH);

THENCE, ALONG LAST SAID SOUTH RIGHT-OF-WAY LINE OF SAID NEW MELVILLE ROAD, VARIABLE WIDTH, SOUTH 43 DEGREES 13 MINUTES 27 SECONDS EAST, 138.40 FEET TO THE NORTHWEST LINE OF SAID HUNT ROAD (VARIABLE WIDTH);

THENCE, ALONG LAST SAID NORTHWEST LINE OF HUNT ROAD (VARIABLE WIDTH) THE FOLLOWING COURSES AND DISTANCES: SOUTH 05 DEGREES 39 MINUTES 39 SECONDS EAST, 123.47 FEET TO A POINT OF CURVATURE;

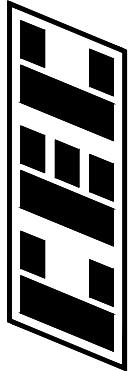
THENCE, CONTINUING, SOUTHWESTERLY ALONG A CURVE TO THE LEFT, HAVING AN ARC, A RADIUS OF 614.46 FEET, AN ARC LENGTH OF 179.10 FEET, AND A CHORD WHICH BEARS SOUTH 27 DEGREES 39 MINUTES 57 SECONDS WEST, A CHORD DISTANCE OF 178.46 FEET TO THE POINT OF BEGINNING AND CONTAINING 66,479 SQUARE FEET OR 1.526 ACRES, MORE OR LESS.

TOGETHER WITH EASEMENTS SET FORTH IN EASEMENT AGREEMENT BY AND BETWEEN GRAND PRAIRIE, LIMITED LIABILITY COMPANY, A MISSOURI LIMITED LIABILITY COMPANY AND McDONALD'S REAL ESTATE COMPANY, A DELAWARE CORPORATION, DATED 2026, RECORDED _____, 2026, IN BOOK _____ PAGE _____, IN THE OFFICE OF THE RECORDER OF GREENE COUNTY, MISSOURI.



REVISION RECORD	
NO.	DATE
1	07/29/2024
REVISION 1 - LAYOUT REVISIONS	

10300 Alliance Road
Suite 300
Cincinnati, OH 45242
Ph: 513.985.0226
www.cecinc.com



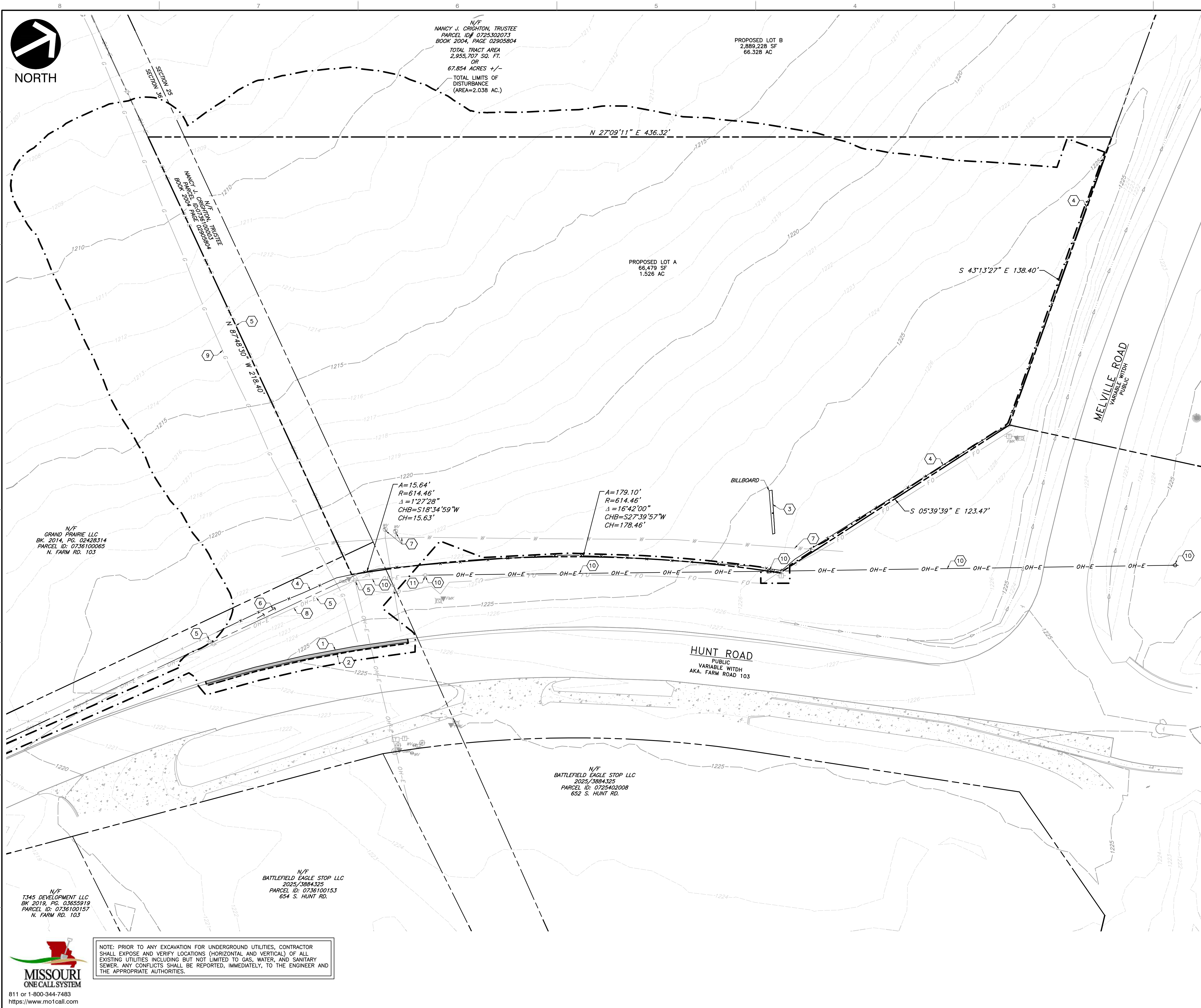
Civil & Environmental
Consultants, Inc.

McDONALD'S RESTAURANT
NSN 45021 (024-1329)
653 S HUNT RD
WILLARD, MO 65781



COVER SHEET	
DATE:	JUNE 2026
DRAWN BY:	THA
AS SHOWN	CHECKED BY:
PROJECT NO:	353-986
APPROVED BY:	DRAFT
DRAWING NO.: C000	
SHEET 1 OF 27	

A: 130-0001 (351-866) - CAD (DWG) (C:\01\130866-001-C103.dwg) (10/10) 15/7/21/2026 4:08 PM
P: 7/17/2026 4:08 PM
W:\mmon\



NOTES

- SEE SHEET C001 FOR GENERAL NOTES AND ABBREVIATIONS.
- CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.

LEGEND

---	EXISTING SUBJECT PROPERTY LINE
---	EXISTING ADJOINING PROPERTY LINE
---	EXISTING RIGHT OF WAY LINE
---	EXISTING EASEMENT
---	EXISTING INDEX (MAJOR) CONTOUR
---	EXISTING INTERMEDIATE (MINOR) CONTOUR
---	EXISTING CONCRETE
---	EXISTING SIGN
---	EXISTING TREE
---	EXISTING FENCE
---	EXISTING DITCH
---	EXISTING GAS LINE
---	EXISTING OVERHEAD WIRE
---	EXISTING COMMUNICATIONS LINE
---	EXISTING WATER LINE
---	EXISTING GAS LINE MARKER
---	EXISTING GUY WIRE/UTILITY POLE
---	EXISTING FIBER OPTIC BOX/MARKER
---	EXISTING TELEPHONE PEDESTAL/BOX
---	EXISTING WATER VALVE/WATER/HYDRANT
---	EXISTING WATER MANHOLE
---	REMOVE EXISTING FENCE
---	REMOVE EXISTING OVERHEAD WIRE
---	SAWCUT EXISTING PAVEMENT/CONCRETE
---	PROPOSED LIMITS OF DISTURBANCE
---	REMOVE EXISTING PAVEMENT

KEY NOTES

- EXISTING ASPHALT PAVEMENT TO BE REMOVED.
- SAWCUT EXISTING PAVEMENT/CURB & GUTTERS TO CREATE CLEAN BUTT JOINT.
- CONTRACTOR TO REMOVE EXISTING BILLBOARD.
- CONTRACTOR TO REMOVE EXISTING FENCE.
- CONTRACTOR TO PROTECT EXISTING UTILITY POLE AND OVERHEAD LINES.
- CONTRACTOR TO REMOVE EXISTING GUY WIRE AND RELOCATE. COORDINATE WITH UTILITY COMPANY.
- CONTRACTOR TO PROTECT EXISTING WATER VALVES AND WATER MAIN.
- CONTRACTOR TO COORDINATE WITH UTILITY COMPANY TO ADJUST ELEVATION OF LOW HANGING WIRES TO PROVIDE ADEQUATE VERTICAL CLEARANCE FOR PROPOSED ACCESS DRIVE.
- CONTRACTOR TO PROTECT EXISTING GAS LINE.
- UTILITY PROVIDER TO REMOVE EXISTING OVERHEAD LINES AND POLES. CONTRACTOR TO COORDINATE AS NEEDED.
- POTENTIAL LOCATION FOR TEMPORARY ELECTRICAL SERVICE. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER AS NEEDED.

MISSOURI ONE CALL SYSTEM
811 or 1-800-344-7483
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EXISTING CONDITIONS & DEMOLITION PLAN	DATE: JUNE 2026	DRAWN BY: C-JW
	DATE: 11-20	CHECKED BY: THA
PROJECT NO: 353-866	APPROVED BY: DRAFT	PROJECT NO: 353-866

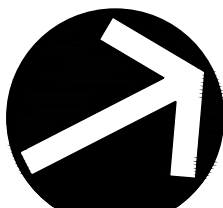
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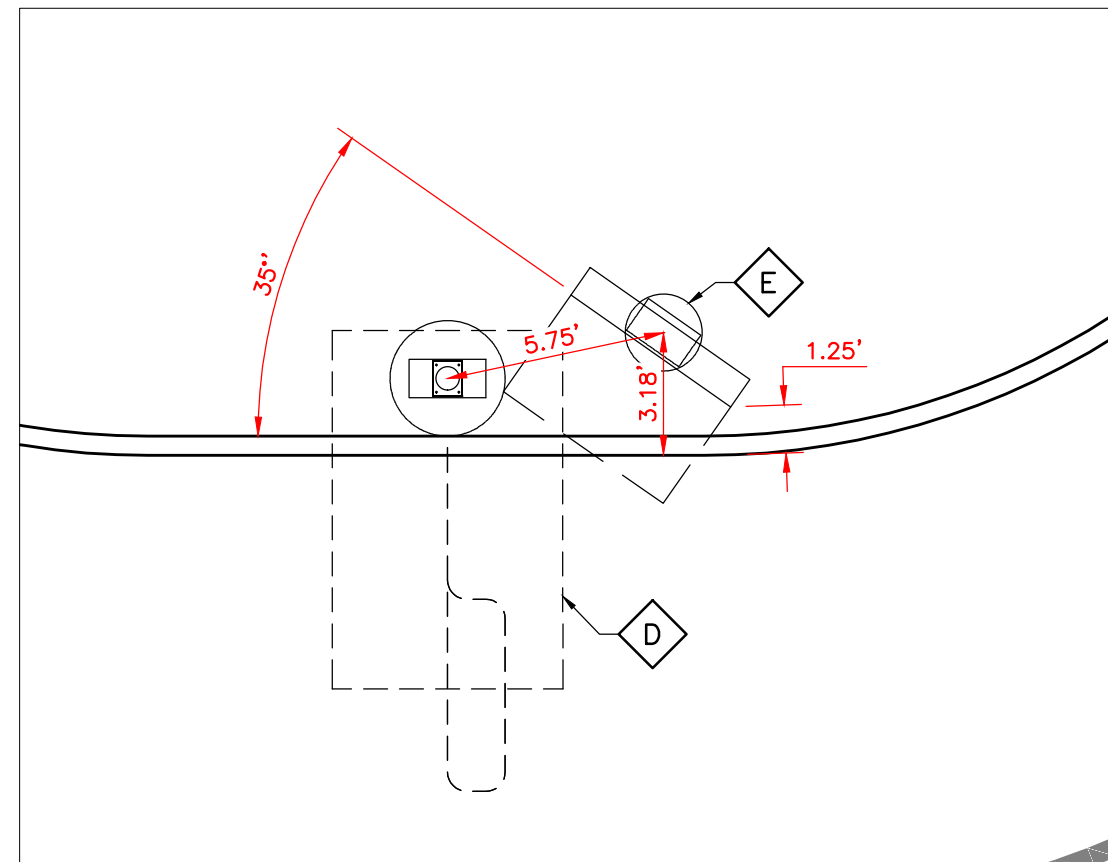
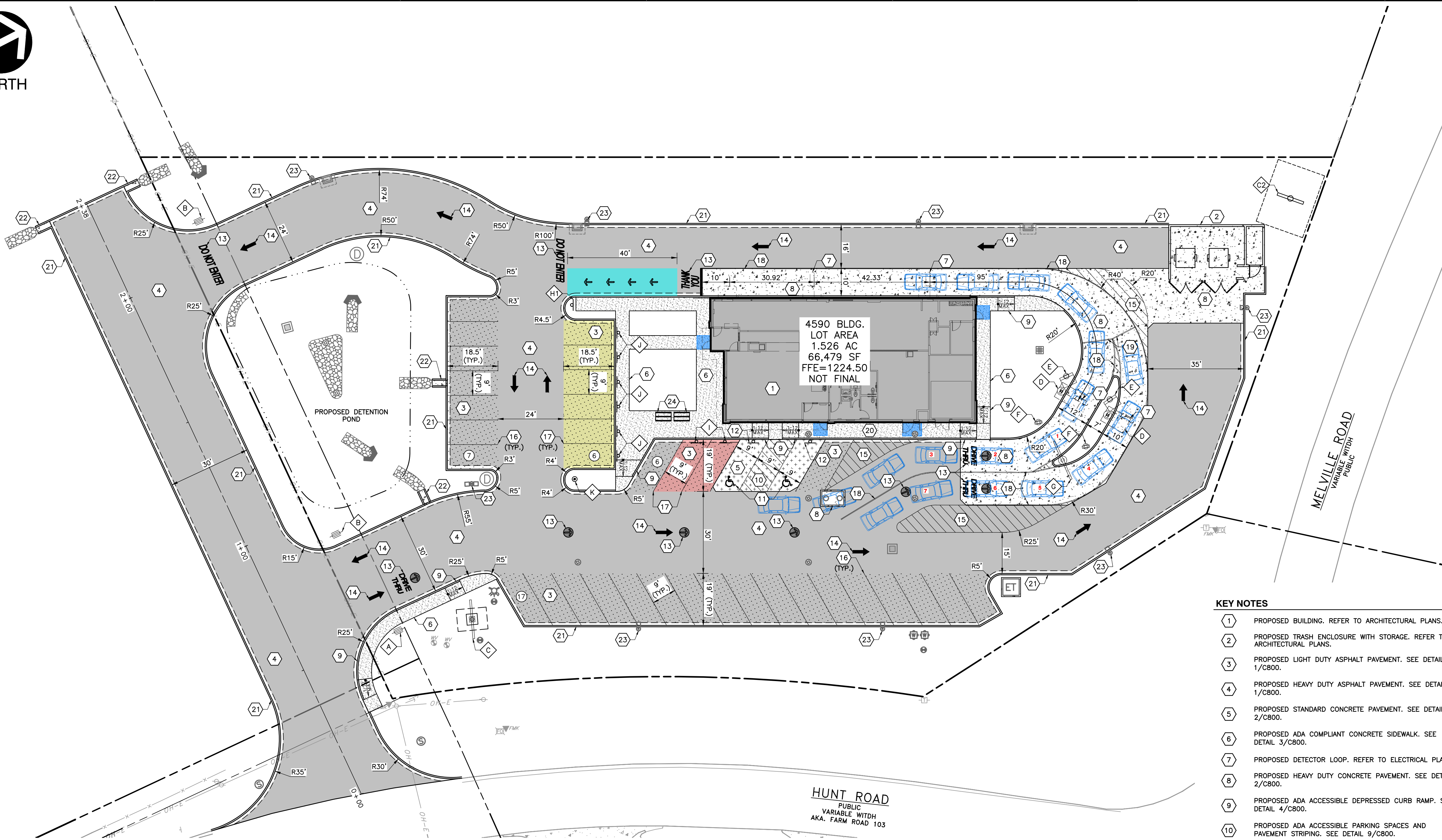
10300 Alliance Road
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REVISION RECORD

NO.	DATE	DESCRIPTION
1	07/29/2026	REVISION 1 - LAYOUT REVISIONS

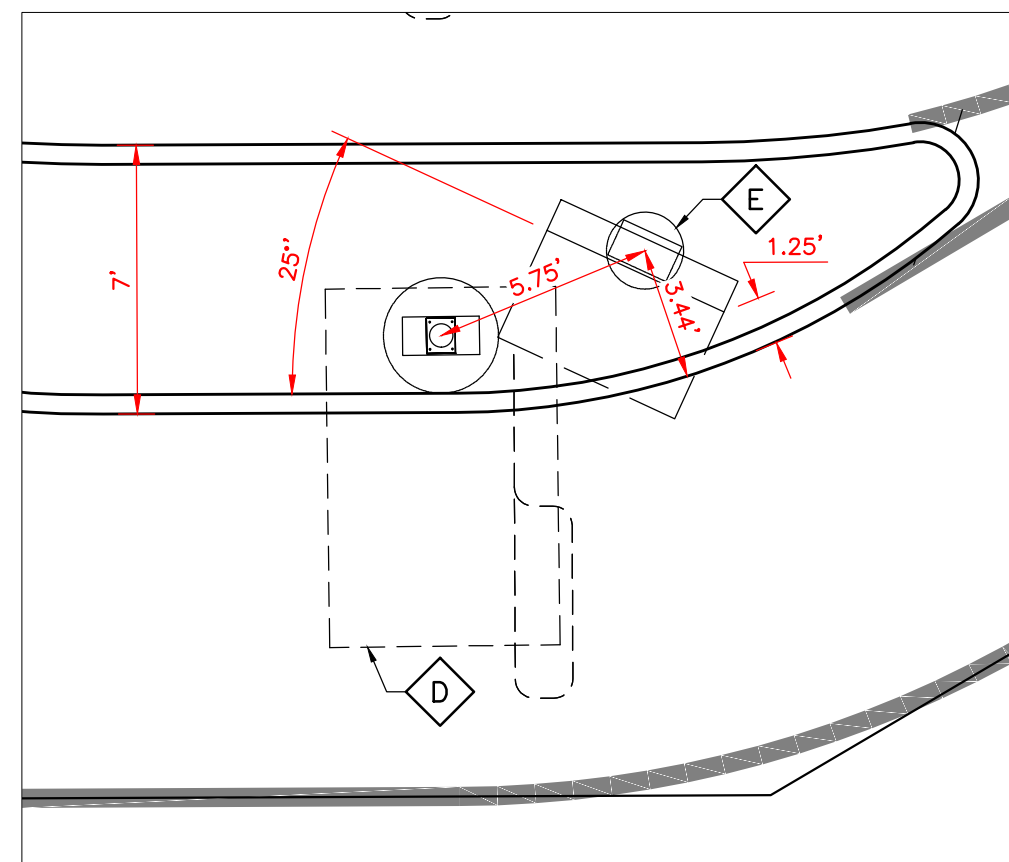


NORTH



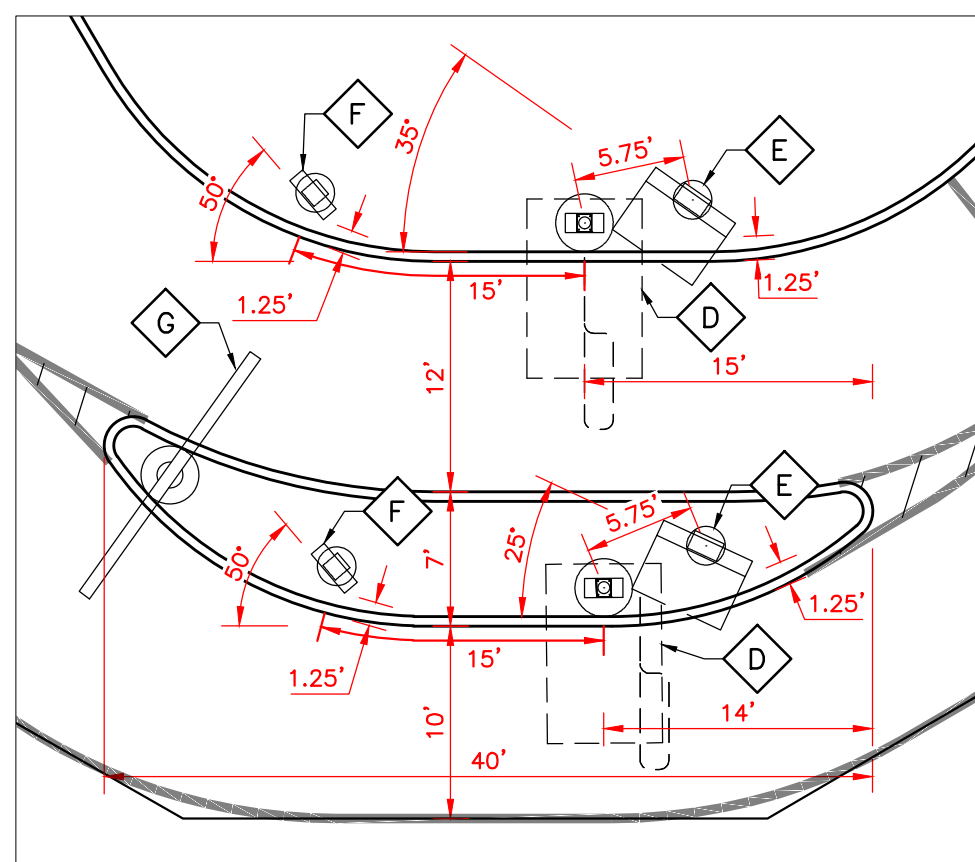
PRIMARY LANE MENU BOARD DETAILED VIEW

SCALE IN FEET
0 5 10



SECONDARY LANE MENU BOARD DETAILED VIEW

SCALE IN FEET
0 5 10



DETAILED VIEW

SCALE IN FEET
0 10 20

NOTES

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LEGEND

- EXISTING SUBJECT PROPERTY LINE
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- EXISTING RIGHT OF WAY LINE
- EXISTING EASEMENT
- EXISTING CONCRETE
- EXISTING SIGN
- EXISTING FENCE
- EXISTING GAS LINE MARKER
- EXISTING GUY WIRE/UTILITY POLE
- EXISTING FIBER OPTIC BOX/MARKER
- EXISTING TELEPHONE PEDESTAL/BOX
- EXISTING WATER VALVE/WATER/HYDRANT
- EXISTING WATER MANHOLE
- PROPOSED DETENTION POND
- PROPOSED BUILDING
- PROPOSED LIGHT DUTY ASPHALT PAVEMENT
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT
- PROPOSED STANDARD DUTY CONCRETE PAVEMENT
- PROPOSED HEAVY DUTY CONCRETE PAVEMENT
- PROPOSED CONCRETE SIDEWALK
- PROPOSED PAVEMENT STRIPING
- PROPOSED DRIVE-THRU PARKING
- PROPOSED MCDelivery PARKING
- PROPOSED CURB SIDE PICK-UP PARKING
- PROPOSED 5x5 LANDING
- PROPOSED STORM STRUCTURES
- PROPOSED RIPRAP
- PROPOSED WATER VALVE/METER/HYDRANT
- PROPOSED SANITARY CLEANOUT
- PROPOSED GREASE TRAP
- PROPOSED LIGHT POLE
- PROPOSED TRANSFORMER

KEY NOTES

- PROPOSED BUILDING. REFER TO ARCHITECTURAL PLANS.
- PROPOSED TRASH ENCLOSURE WITH STORAGE. REFER TO ARCHITECTURAL PLANS.
- PROPOSED LIGHT DUTY ASPHALT PAVEMENT. SEE DETAIL 1/C800.
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT. SEE DETAIL 2/C800.
- PROPOSED STANDARD CONCRETE PAVEMENT. SEE DETAIL 2/C800.
- PROPOSED ADA COMPLIANT CONCRETE SIDEWALK. SEE DETAIL 3/C800.
- PROPOSED DETECTOR LOOP. REFER TO ELECTRICAL PLANS.
- PROPOSED HEAVY DUTY CONCRETE PAVEMENT. SEE DETAIL 2/C800.
- PROPOSED ADA ACCESSIBLE DEPRESSED CURB RAMP. SEE DETAIL 4/C800.
- PROPOSED ADA ACCESSIBLE PARKING SPACES AND PAVEMENT STRIPING. SEE DETAIL 9/C800.
- PROPOSED PAINTED ADA ACCESSIBLE PARKING SYMBOL. SEE DETAIL 10/C800.
- PROPOSED ADA ACCESSIBLE PARKING SIGN(S). SEE DETAIL 9/C800.
- PROPOSED BRANDED PAVEMENT STRIPING TO MCDONALD'S STANDARDS SEE DETAIL 11/C800.
- PROPOSED DRIVE THRU LANE STRIPING (6" WIDE). REFER TO MCDONALD'S STANDARDS.
- PROPOSED PAVEMENT STRIPING. SEE DETAIL 7/C800.
- PROPOSED PARKING STRIPING (WHITE).
- PROPOSED PARKING STRIPING (YELLOW).
- PROPOSED MERGE STRIPING (6" WIDE). REFER TO MCDONALD'S STANDARDS.
- PROPOSED ADA COMPLIANT COMBINATION CONCRETE CURB/SIDEWALK. SEE DETAIL 6/C800.
- PROPOSED CURB. SEE DETAIL 5/C800.
- PROPOSED 2FT CONCRETE FLUME.
- PROPOSED LIGHT POLE. SEE PHOTOMETRIC PLANS.
- PROPOSED BIKE RACK. SIZE AND CAPACITY TO BE SELECTED BY OPERATOR.

MCDONALD'S SIGN LEGEND

- MCDONALD'S DIRECTIONAL ENTER SIGN. REFER TO ARCHITECTURAL AND/OR SIGN VENDOR PLANS FOR SIGN AND STRUCTURAL DETAILS.
- MCDONALD'S DIRECTIONAL EXIT SIGN. REFER TO ARCHITECTURAL AND/OR SIGN VENDOR PLANS FOR SIGN AND STRUCTURAL DETAILS.
- MCDONALD'S ROAD SIGN. REFER TO ARCHITECTURAL AND/OR VENDOR PLANS FOR DETAILS.
- MCDONALD'S HIGHWAY SIGN. REFER TO ARCHITECTURAL AND/OR SIGN VENDOR PLANS FOR DETAILS.
- MCDONALD'S DRIVE-THRU CANOPY. REFER TO ARCHITECTURAL AND/OR SIGN VENDOR PLANS FOR SIGN AND STRUCTURAL DETAILS.
- MCDONALD'S DIGITAL MENU BOARD. REFER TO ARCHITECTURAL AND/OR SIGN VENDOR PLANS FOR SIGN AND STRUCTURAL DETAILS.
- MCDONALD'S DIGITAL PRE-BROWSE MENU BOARD. REFER TO ARCHITECTURAL AND/OR SIGN VENDOR PLANS FOR SIGN AND STRUCTURAL DETAILS.
- MCDONALD'S GATEWAY SIGN (DOUBLE ARM). REFER TO ARCHITECTURAL AND/OR SIGN VENDOR PLANS FOR SIGN AND STRUCTURAL DETAILS.
- MCDONALD'S PULL FORWARD - ("RESERVED") DRIVE-THRU SIGN. REFER TO ARCHITECTURAL AND/OR SIGN VENDOR PLANS FOR DETAILS.
- MCDONALD'S MCDelivery - ("COURIER PARKING") SIGN. REFER TO ARCHITECTURAL AND/OR SIGN VENDOR PLANS FOR DETAILS.
- MCDONALD'S ("CURBSIDE PICK-UP") SIGN. REFER TO ARCHITECTURAL AND/OR SIGN VENDOR PLANS FOR DETAILS.
- FLAGPOLE AND BASE. REFER TO ARCHITECTURAL AND/OR SIGN VENDOR PLANS FOR SIGN AND STRUCTURAL DETAILS. GENERAL CONTRACTOR TO COORDINATE WITH CONSTRUCTION MANAGER REGARDING ILLUMINATION OF FLAG.

NOTE: ALL SIGNS/LOCATIONS/ORIENTATION SHALL BE CONFIRMED BY MCDONALD'S/OPERATOR AND COORDINATED WITH SIGNAGE BRAND BOOK (BY OTHERS).

SCALE IN FEET
0 20 40



REVISION RECORD

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LAYOUT PLAN

DATE: JUNE 2025
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THA
DWG SCALE: 1"=20'
PROJECT NO: 353-866
APPROVED BY: DRAFT

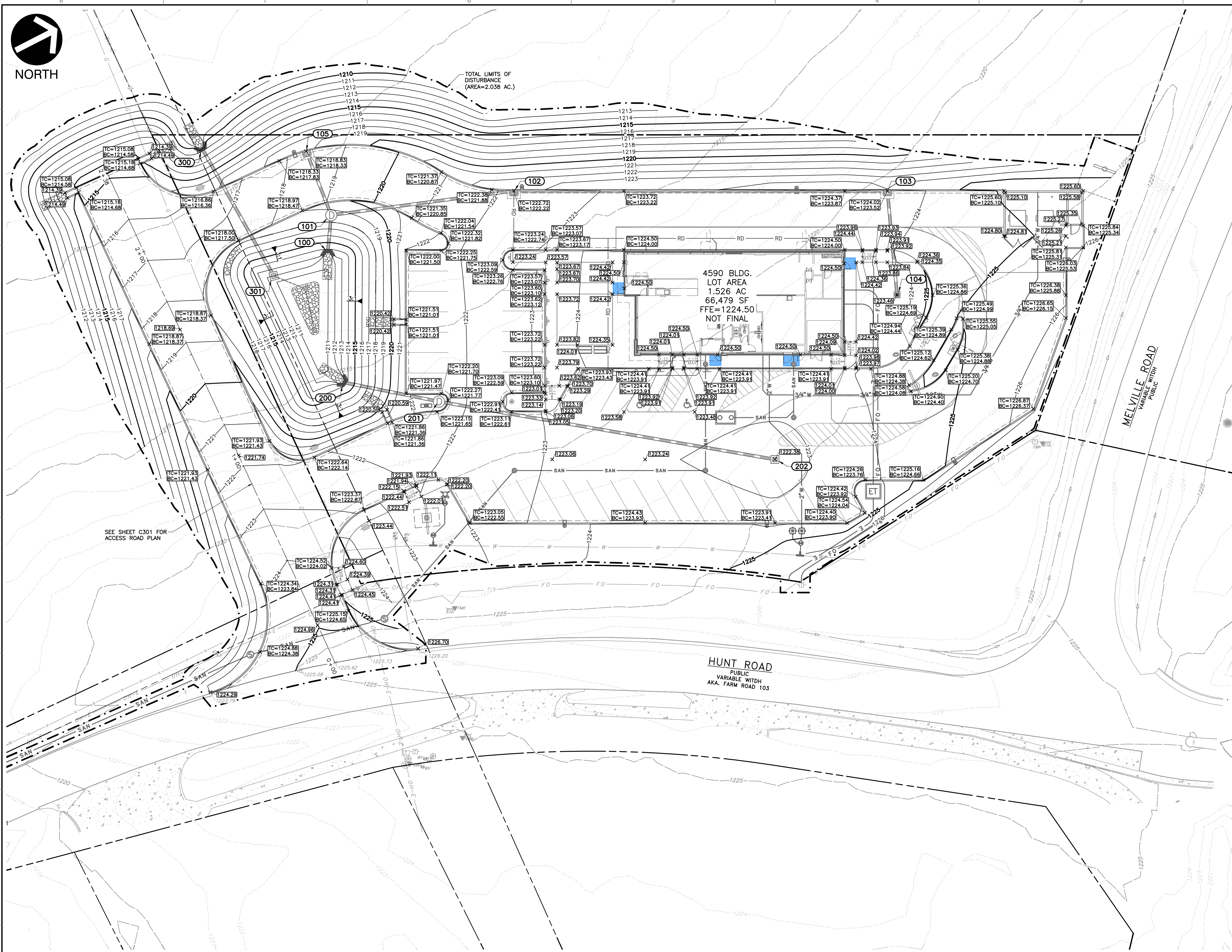
DRAWING NO: C200

SHEET 4 OF 27



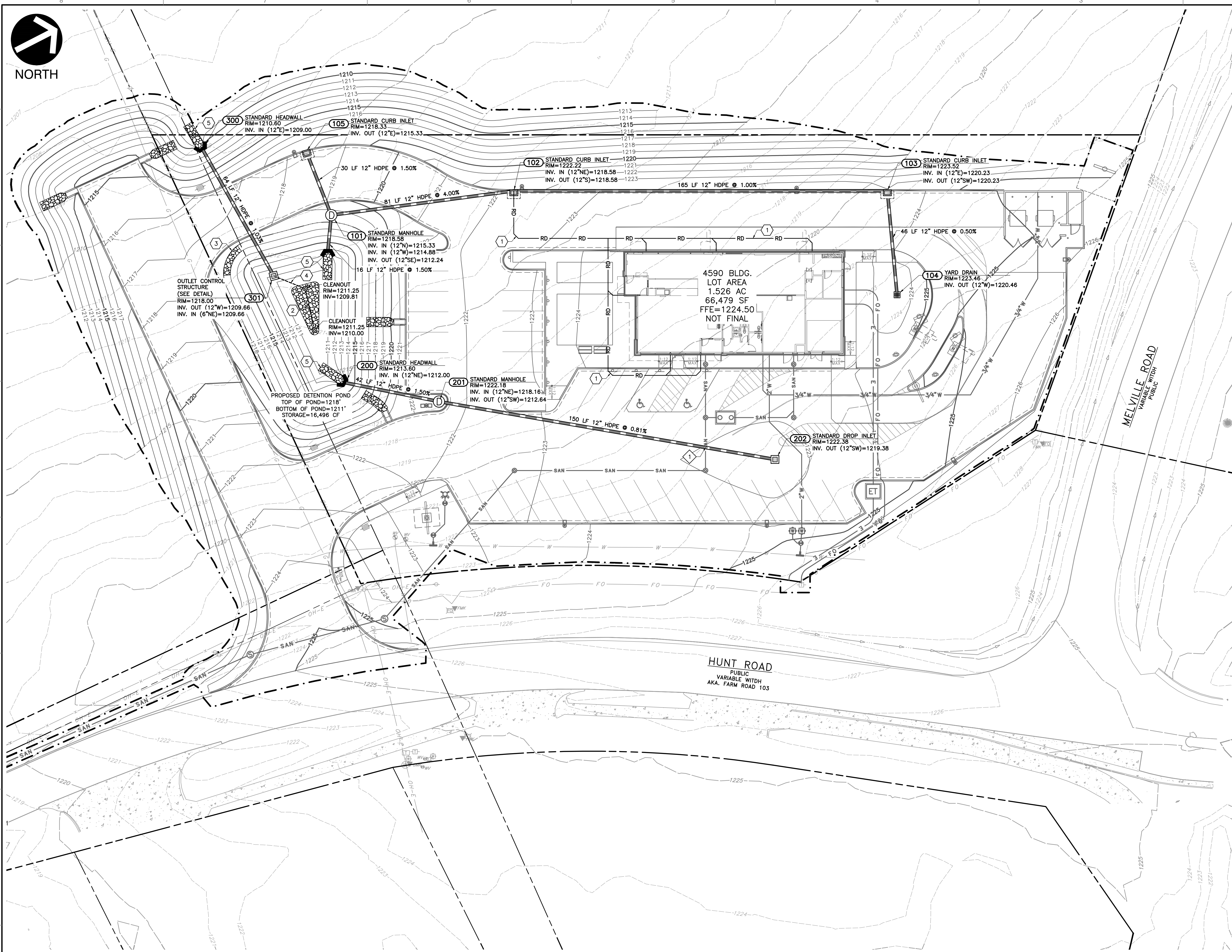
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NOTES
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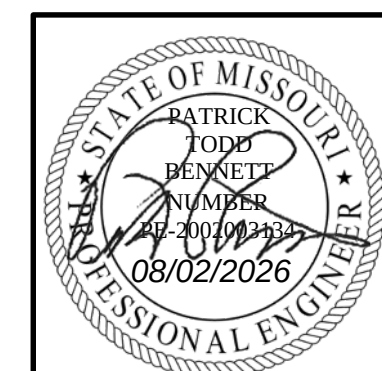
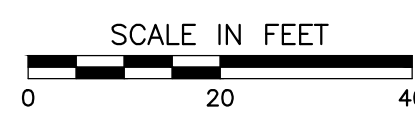
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EXISTING SIGN
EXISTING TREE
EXISTING FENCE
EXISTING DITCH
EXISTING GAS LINE
EXISTING OVERHEAD WIRE
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EXISTING WATER LINE
EXISTING GAS LINE MARKER
EXISTING GUY WIRE/UTILITY POLE
EXISTING FIBER OPTIC BOX/MARKER
EXISTING TELEPHONE PEDESTAL/BOX
EXISTING WATER VALVE/WATER/HYDRANT
EXISTING WATER MANHOLE
PROPOSED DETENTION POND
PROPOSED 5x5 LANDING
PROPOSED STORM PIPE
PROPOSED ROOF DRAIN
PROPOSED 3/4" WATER LINE
PROPOSED 2" WATER LINE
PROPOSED 6" WATER LINE
PROPOSED SANITARY SEWER LINE
PROPOSED SANITARY FORCE MAIN
PROPOSED UNDERGROUND ELECTRIC LINE
PROPOSED FIBER OPTIC LINE
PROPOSED STORM STRUCTURES
PROPOSED RIPRAP
PROPOSED WATER VALVE/METER/HYDRANT
PROPOSED SANITARY CLEANOUT
PROPOSED GREASE TRAP
PROPOSED LIGHT POLE
PROPOSED TRANSFORMER
PROPOSED INDEX (MAJOR) CONTOUR
PROPOSED INTERMEDIATE (MINOR) CONTOUR
PROPOSED LIMITS OF DISTURBANCE
PROPOSED TOP/BOTTOM OF CURB SPOT
PROPOSED SPOT ELEVATION
EXISTING SPOT ELEVATION



NOTES

1. SEE SHEET C001 FOR GENERAL NOTES AND ABBREVIATIONS.
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- LEGEND**
- EXISTING SUBJECT PROPERTY LINE
 - EXISTING ADJOINING PROPERTY LINE
 - EXISTING RIGHT OF WAY LINE
 - EXISTING EASEMENT
 - EXISTING INDEX (MAJOR) CONTOUR
 - EXISTING INTERMEDIATE (MINOR) CONTOUR
 - EXISTING CONCRETE
 - EXISTING SIGN
 - EXISTING TREE
 - EXISTING FENCE
 - EXISTING DITCH
 - EXISTING GAS LINE
 - EXISTING OVERHEAD WIRE
 - EXISTING COMMUNICATIONS LINE
 - EXISTING WATER LINE
 - EXISTING GAS LINE MARKER
 - EXISTING GUY WIRE/UTILITY POLE
 - EXISTING FIBER OPTIC BOX/MARKER
 - EXISTING TELEPHONE PEDESTAL/BOX
 - EXISTING WATER VALVE/WATER/HYDRANT
 - EXISTING WATER MANHOLE
 - PROPOSED DETENTION POND
 - PROPOSED STORM PIPE
 - PROPOSED ROOF DRAIN
 - PROPOSED 3/4" WATER LINE
 - PROPOSED 2" WATER LINE
 - PROPOSED 6" WATER LINE
 - PROPOSED SANITARY SEWER LINE
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 - PROPOSED RIPRAP
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 - PROPOSED GREASE TRAP
 - PROPOSED LIGHT POLE
 - PROPOSED TRANSFORMER
 - PROPOSED INDEX (MAJOR) CONTOUR
 - PROPOSED INTERMEDIATE (MINOR) CONTOUR
 - PROPOSED LIMITS OF DISTURBANCE
- KEY NOTES**
- 1. PROPOSED 6" PVC SDR-35 ROOF DRAIN @ MIN. 1% SLOPE. CONTRACTOR TO COORDINATE ROOF DRAIN CONNECTION TYPE WITH OWNER/OPERATOR.
 - 2. PROPOSED 6" PERFORATED PVC SDR-35 @ 1% SLOPE.
 - 3. PROPOSED 12 LF 0.5' HEIGHT EMERGENCY SPILLWAY.
 - 4. PROPOSED 6" SOLID WALL PVC SDR-35 @ 1% SLOPE.
 - 5. PROPOSED ROCK LINING FOR CULVERT OUTLET. SEE DETAIL 2/C801.
- STORM CROSSINGS**
- 1. GRADE=1222.97
12" STORM INV.=1219.27
6" SAN INV.=1217.04



NOTE: PRIOR TO ANY EXCAVATION FOR UNDERGROUND UTILITIES, CONTRACTOR SHALL EXPOSE AND VERIFY LOCATIONS (HORIZONTAL AND VERTICAL) OF ALL EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO GAS, WATER, AND SANITARY SEWER. ANY CONFLICTS SHALL BE REPORTED, IMMEDIATELY, TO THE ENGINEER AND THE APPROPRIATE AUTHORITIES.



REVISION RECORD

NO.	DATE	DESCRIPTION
1	07/29/2024	REVISION 1 - LAYOUT REVISIONS

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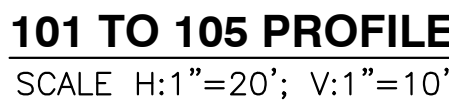
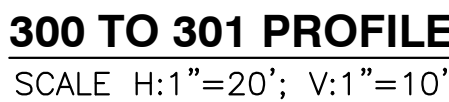
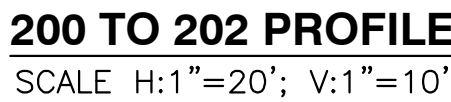
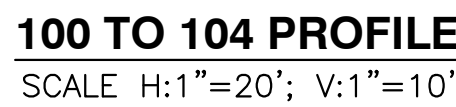
McDONALD'S RESTAURANT
NSN 45021 (024-1329)
653 S HUNT RD
WILLARD, MO 65781

DRAINAGE PLAN

DRAWING NO.: **C400**

SHEET 7 OF 27

DATE:	JUNE 2025	DRAWN BY:	CJW
DWG SCALE:	1"=20'	CHECKED BY:	THA
PROJECT NO:	353-866	APPROVED BY:	DRAFT



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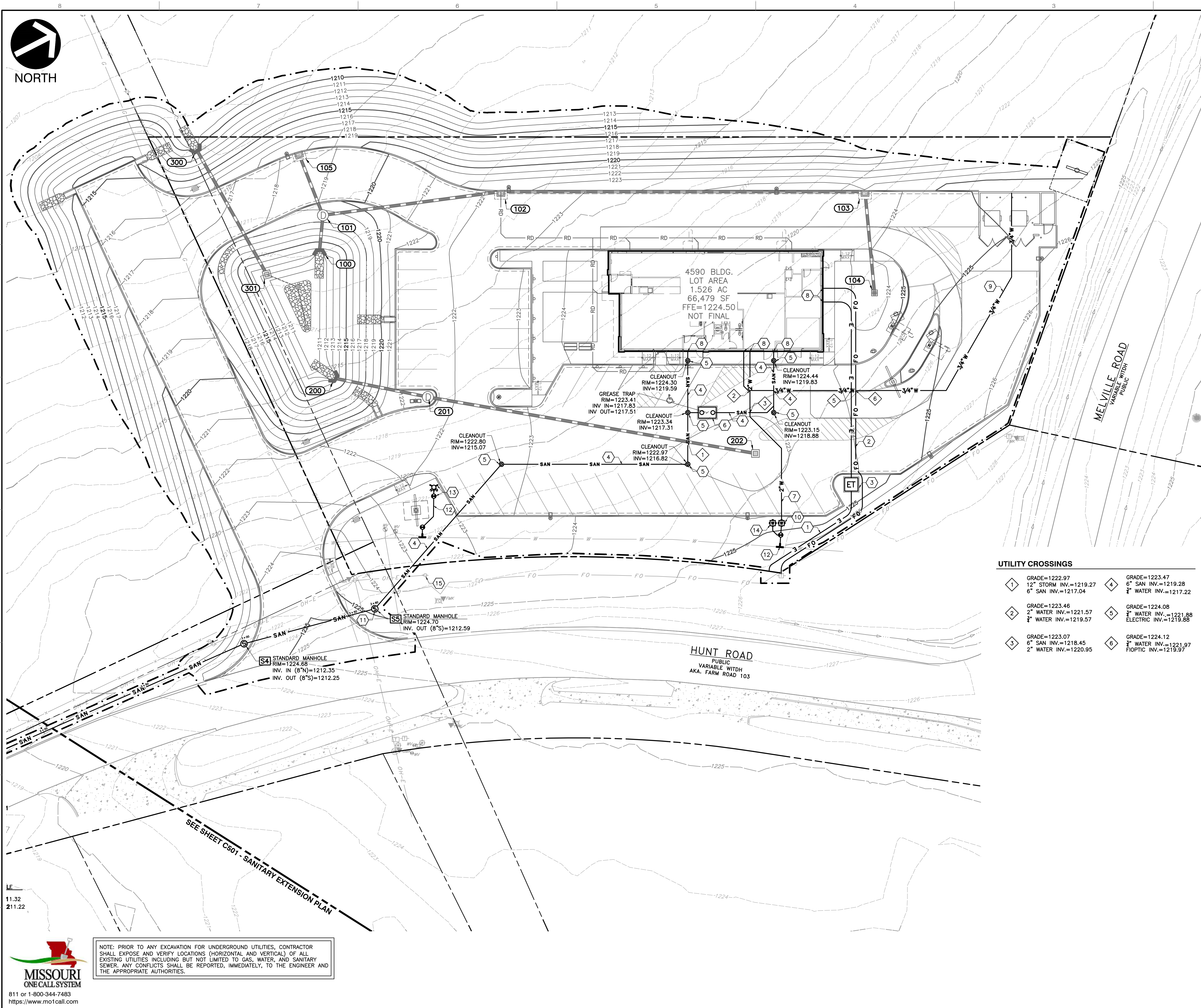
**MCDONALD'S RESTAURANT
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WILLARD, MO 65781**



DRAINAGE PROFILES	
DATE:	JUNE 2026
DWG SCALE:	AS SHOWN
PROJECT NO.:	CHECKED BY:
APPROVED BY:	CJW
	THA
	353-866
	DRAFT

DRAWING NO.:
C401
SHEET 8 OF 27

A: 1302-0001.053-8661 - CADD (DWG) (CIVIL) (353666-001) - C500.dwg (5/30) 15/7/21/2026 - (P: 7/17/2026 4:37 PM
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NOTES

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---	PROPOSED LIMITS OF DISTURBANCE

UTILITY CROSSINGS

1	GRADE=1222.97 12" STORM INV.=1219.27 6" SAN INV.=1217.04	4	GRADE=1223.47 6" SAN INV.=1219.28 3/4" WATER INV.=1217.22
2	GRADE=1223.46 2" WATER INV.=1221.57 3/4" WATER INV.=1219.57	5	GRADE=1224.08 3/4" WATER INV.=1221.88 ELECTRIC INV.=1219.88
3	GRADE=1223.07 6" SAN INV.=1218.45 2" WATER INV.=1220.95	6	GRADE=1224.12 3/4" WATER INV.=1221.97 FIBER INV.=1219.97

KEY NOTES

- PROPOSED UNDERGROUND ELECTRIC SERVICE. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY.
- PROPOSED UNDERGROUND FIBER OPTIC SERVICE. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY.
- PROPOSED TRANSFORMER AND CONCRETE PAD PER UTILITY COMPANY SPECIFICATIONS.
- PROPOSED 6" PVC SCHEDULE 40 SANITARY SEWER LATERAL AT MINIMUM 2.08% SLOPE PER CITY OF WILLARD STANDARDS.
- PROPOSED SANITARY SEWER CLEANOUT. SEE DETAIL 3/C802.
- PROPOSED GREASE TRAP. CONTRACTOR TO COORDINATE WITH PLUMBING PLAN.
- PROPOSED 2" DOMESTIC WATER SERVICE.
- PROPOSED UTILITY BUILDING CONNECTION. REFER TO MEP PLANS FOR EXACT SIZE AND LOCATION.
- PROPOSED 3/4" DOMESTIC WATER SERVICE TO HOSE BIB.
- PROPOSED WATER METER FOR 2" DOMESTIC WATER SERVICE PER CITY OF WILLARD STANDARDS.
- CONTRACTOR TO CONNECT TO SANITARY MANHOLE. SEE SANITARY MAIN EXTENSION PLANS FOR MORE INFORMATION.
- 6" ANCHORING TEE AND VALVE WITH FIRE HYDRANT ASSEMBLY PER LOCAL FIRE DEPARTMENT REQUIREMENTS.
- PROPOSED FIRE HYDRANT AND VALVE ASSEMBLY.
- PROPOSED WATER METER FOR IRRIGATION SERVICE.
- POTENTIAL LOCATION FOR TEMPORARY ELECTRICAL SERVICE. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER AS NEEDED.

REVISION RECORD	
NO.	DATE
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REVISION 1 - LAYOUT REVISIONS	

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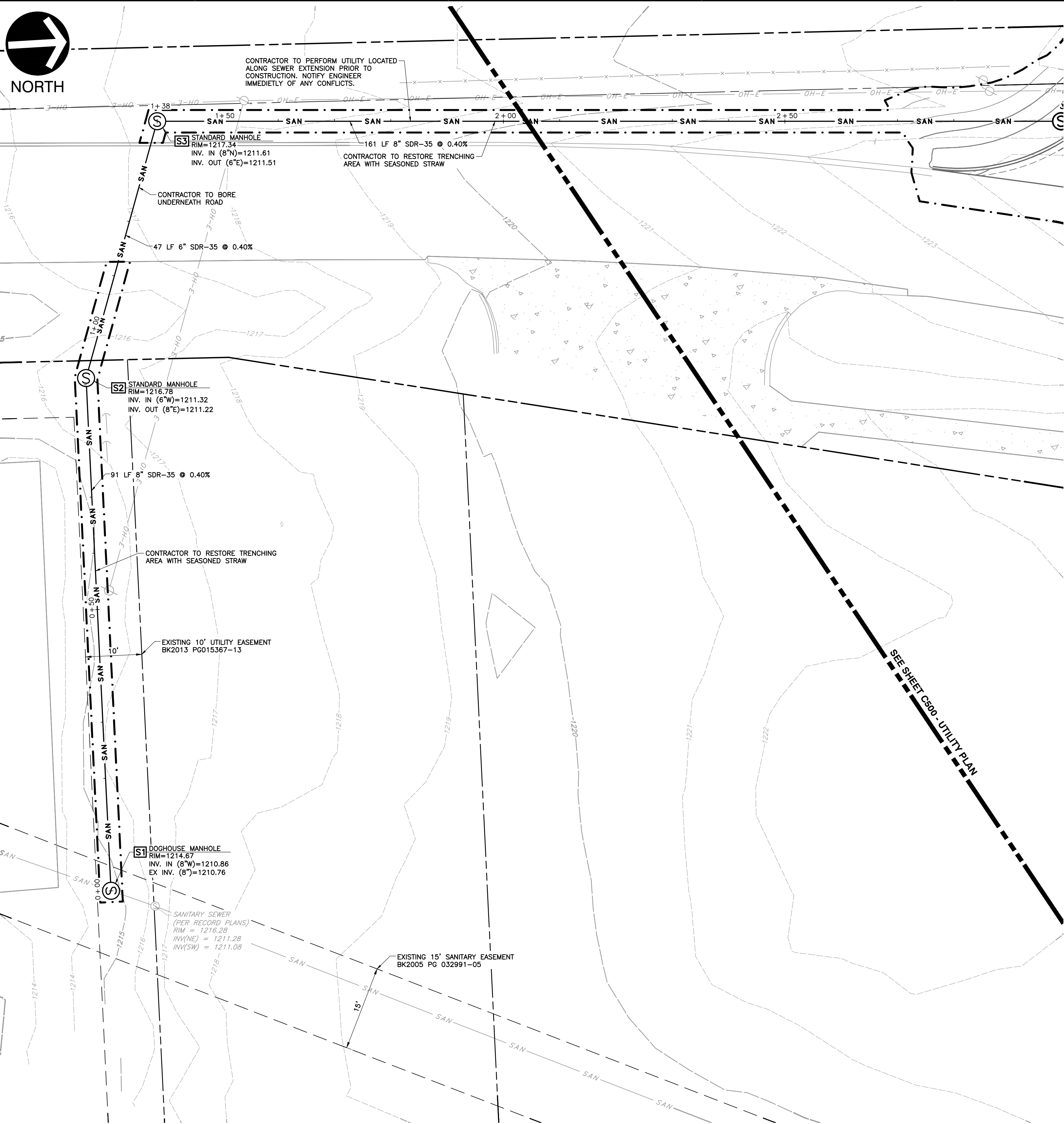
UTILITY PLAN

DATE:	JUNE 2026	DRAWN BY:	THA
DWG SCALE:	1"=20'	CHECKED BY:	353-866
PROJECT NO:	353-866	APPROVED BY:	DRAFT

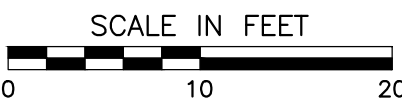
DRAWING NO.: **C500**

SHEET 9 OF 27

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McDONALD'S RESTAURANT
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653 S HUNT RD
WILLARD, MO 65781

Civil & Environmental Consultants, Inc.

SANITARY EXTENSION PLAN

DRAWING NO.: **C501**

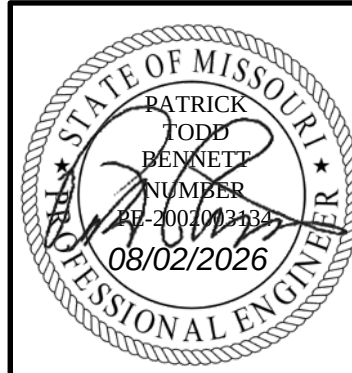
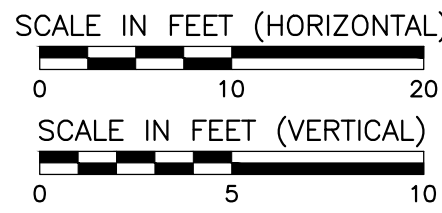
DATE:	JUNE 2026	DRAWN BY:	CJW
DWG SCALE:	1"=10'	CHECKED BY:	THA
PROJECT NO:	353-866	APPROVED BY:	DRAFT

ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECTURE IN THE STATE OF NORTH CAROLINA WILL BE PROVIDED BY CEC SURVEYING AND LANDSCAPE ARCHITECTS OF N.C., P.L.C. SERVICES IN PUERTO RICO WILL BE PROVIDED BY CEC SURVEYING AND LANDSCAPE ARCHITECTS OF P.R., P.L.C. SERVICES IN THE STATE OF OHIO WILL BE PROVIDED BY CEC LANDSCAPE ARCHITECTS, LLC.

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SANITARY EXTENSION PROFILES				
DATE:	JUNE 2026	DRAWN BY:	CJW	CJW
DWG SCALE:	1"=20'	CHECKED BY:	THA	THA
PROJECT NO:	353-866	APPROVED BY:		DRAFT
DRAWING NO:	C502			
SHEET	11	OF	27	



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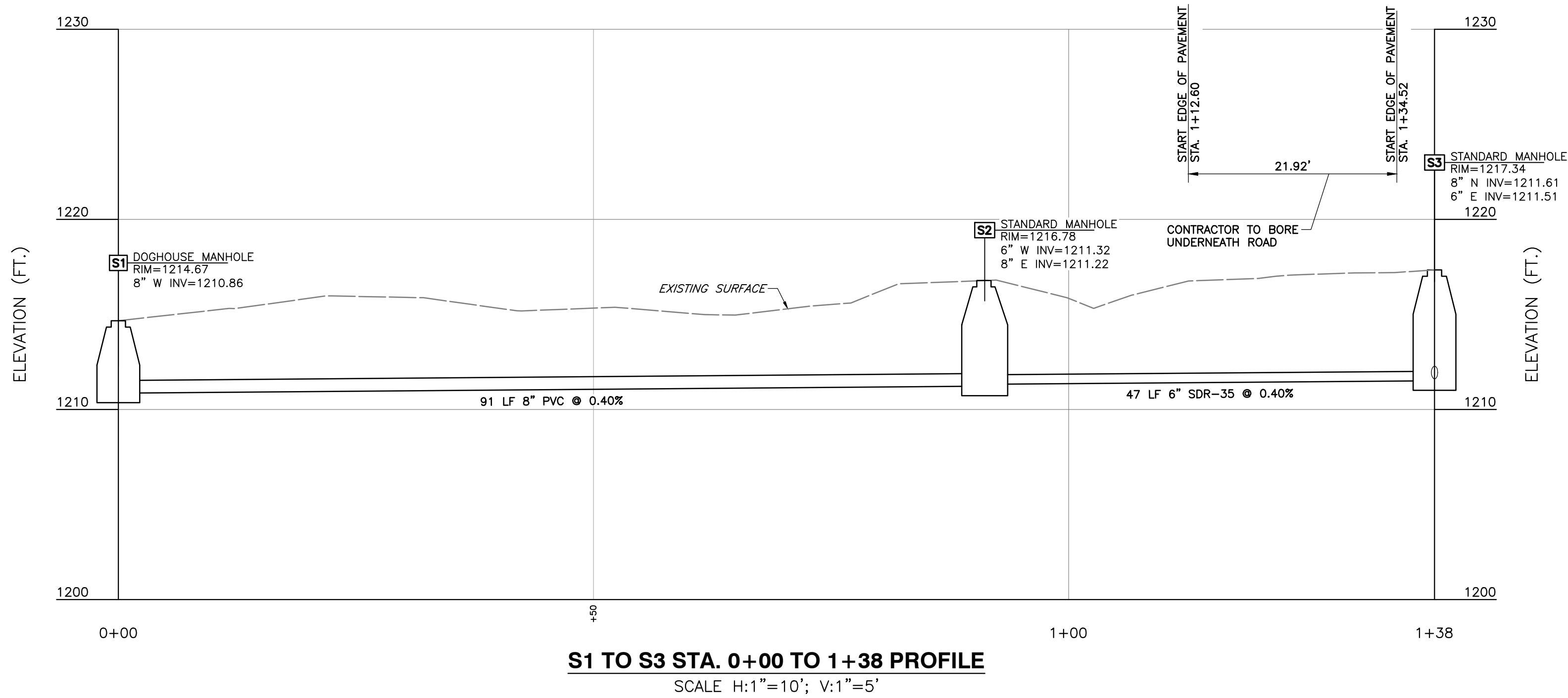
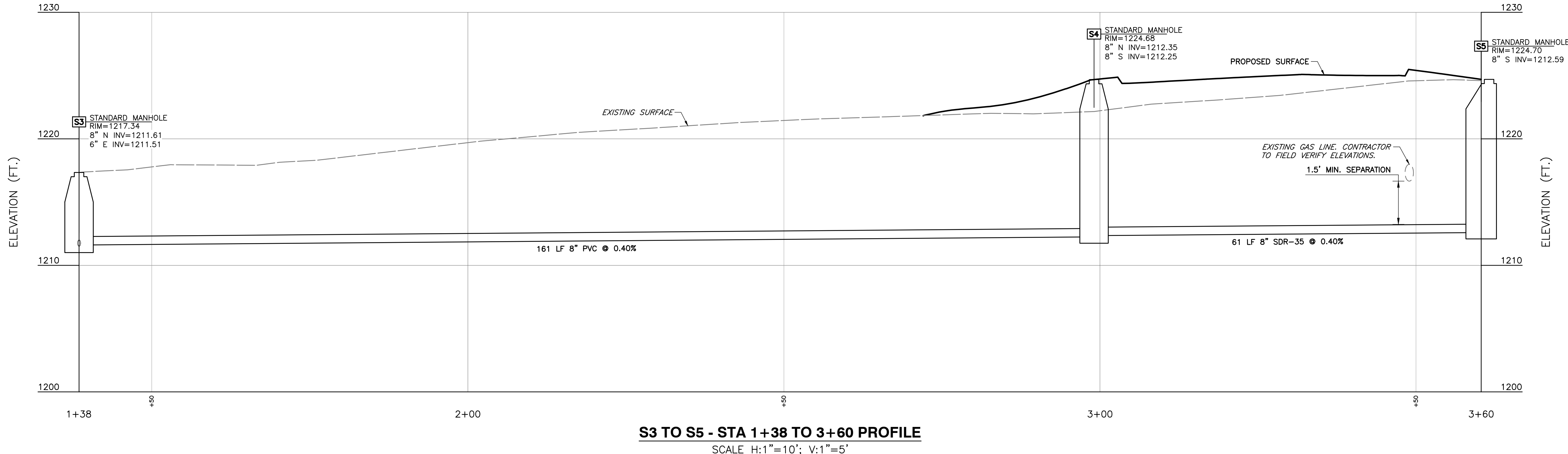


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REVISION RECORD

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NORTH

NOTE TO CONTRACTOR
THE CONTRACTOR SHALL REFER TO ALL PLANS WITHIN THIS PLAN SET. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THIS PRODUCT.

GENERAL NOTES:
1. SEE SHEET C200 FOR FULL LEGEND.
2. SEE SHEET C701 FOR PLANTING NOTES AND DETAILS.

GENERAL LANDSCAPE NOTES:

2. ALL LANDSCAPE BEDS AND TREE RINGS TO BE 3"-4" DEPTH AGED HARDWOOD MULCH.
3. DISTURBED AREAS NOT RECEIVING MULCH OR OTHER GROUND COVER TO BE KENTUCKY BLUEGRASS/FESCUE BLEND SEED, UNLESS NOTED FOR SOD.
4. CONTRACTOR TO PROVIDE MULCH.
5. CONTRACTOR TO HAND WATER ALL PROPOSED PLANT MATERIAL AT A RATE OF 1" PER WEEK UNTIL THE JOB IS ACCEPTED BY THE OWNER'S REPRESENTATIVE.

MCDONALD'S WILLARD, MO PLANTING REQUIREMENTS

LANDSCAPE REQUIREMENTS	UNIT	REQUIRED PLANTS	PROVIDED PLANTS
STREETSCAPE AND FRONTAGE			
CANOPY TREES	440 LF OF FRONTAGE	4	4
SHRUBS	440 LF OF FRONTAGE	16	16
CALCULATION: 1 CANOPY OR ORNAMENTAL TREE AND 4 SHRUBS PER 100 LINEAR FEET OF LOT FRONTAGE. IF PERIMETER AREA IS LESS THAN 50 LF, 4 SHRUBS AND 1 CANOPY OR ORNAMENTAL TREE ARE REQUIRED.			
PARKING			
ORNAMENTAL TREES	39 SPACES	4	4
LANDSCAPED AREA	27895 SF	3,178 SF (5%)	12,132 SF (19%)
CALCULATION: 1 CANOPY OR UNDERSTORY TREE OR 2 ORNAMENTAL TREES PER 20 PARKING SPACES; 5% OF PARKING AREA TO BE LANDSCAPED.			
OTHER			
GRASS, GROUND COVER OR OTHER LIVING LANDSCAPE MATERIAL SHALL BE USED TO COVER ALL OPEN GROUND. MULCH, BARK OR OTHER LANDSCAPING MATERIALS MAY BE INCORPORATED IN THE LANDSCAPE PLAN WHERE APPROPRIATE. CANOPY TREES SHALL BE DECIDUOUS TREES THAT HAVE A MINIMUM HEIGHT OF THIRTY (30) FEET AT MATURITY. ALL CANOPY TREES SHALL HAVE A CALIPER WIDTH OF ONE AND ONE-HALF (1½) INCHES AT TIME OF PLANTING. ORNAMENTAL TREES MAY BE FLOWERING OR NON-FLOWERING TREES. ALL ORNAMENTAL TREES SHALL HAVE A CALIPER WIDTH OF ONE (1) INCH AT TIME OF PLANTING OR SHALL BE A MINIMUM OF FOUR (4) FEET IN HEIGHT ABOVE THE ROOT BALL. SHRUBS SHALL BE A MINIMUM OF TWELVE (12) INCHES IN HEIGHT WHEN MEASURED IMMEDIATELY UPON PLANTING.			

PLANT SCHEDULE						
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONTAINER	CALIPER	SIZE
TREES						
	ACE RUB	4	ACER RUBRUM 'AUTUMN FLAME' / AUTUMN FLAME RED MAPLE STRAIGHT SINGLE LEADER; MATCH SPECIMEN	B&B	1.5" CAL.	7' – 8' HT.
	COR FLO	4	CORNUS FLORIDA 'CHEROKEE BRAVE' / CHEROKEE BRAVE DOGWOOD MULTI-STEMMED TRUNK; MATCH SPECIMEN	B&B	1" CAL.	4'–5' HT.
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONTAINER	HEIGHT	SPACING
SHRUBS						
	ILE VER	16	ILEX VERTICILLATA 'NANA' / RED SPRITE WINTERBERRY FULL TO GROUND; MATCH SPECIMEN	NO. 3 CONT.	12"–18" HT.	AS SHOWN
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME			
GROUND COVERS						
	SEED	4,589 SF 1.05 LBS	DETENTION BASIN NATIVE SEED MIX / OPN SEED A 26-SPECIES SEED MIX FOR DETENTION BASINS AND BIOSWALES, INCLUDING NATIVE GRASSES AND WILDFLOWERS. DESIGNED FOR HYDROLOGY FLUCTUATIONS, STABILITY, AND COLOR. 3–6 FT. HT. 4–6 HRS SUN/DAY. MESIC-WET SOILS. BLOOMS JUN–OCT. ANNUALS AND PERENNIALS. 10.00 PLS LB PER 1.00 ACRE			
	MULCH	388 SF	MULCH			
	SOD	20,830 SF	TURF SOD KENTUCKY BLUEGRASS/FESCUE BLEND			

SCALE IN FEET
0 20 40



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LANDSCAPE PLAN

DRAWING NO.:
C700
SHEET 12 OF 27

DATE: JUNE 2025
DWG SCALE: 1"=20'
PROJECT NO: 353-866
APPROVED BY: [Signature]
CJW
THA
353-866
DRAFT

1. THE QUANTITIES INDICATED ON THE PLANT MATERIALS SCHEDULE ARE PROVIDED FOR THE BENEFIT OF THE LANDSCAPE CONTRACTOR BUT SHOULD NOT BE ASSUMED TO BE CORRECT. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE QUANTITIES INDICATED. ANY DISCREPANCIES NOTED SHALL BE BROUGHT TO THE ATTENTION OF THE OWNERS REPRESENTATIVE PRIOR TO INSTALLATION. IN THE EVENT OF A DISCREPANCY, THE DRAWINGS SHALL GOVERN.
2. IN THE EVENT OF ANY DISCREPANCY IN THE QUANTITY OR QUALITY OF PLANT MATERIAL, THE CONTRACTOR SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT. CHANGES IN PLANT MATERIAL MAY REQUIRE RE-APPROVAL BY LOCAL AUTHORITIES. CONTRACTOR IS NOT TO SEEK RE-APPROVAL WITHOUT EXPRESS WRITTEN CONSENT OF THE LANDSCAPE ARCHITECT.
3. ALL PLANTS MUST BE NURSERY GROWN, HEALTHY, VIGOROUS, AND FREE FROM ALL PESTS AND DISEASE. BALL AND BURLAP (B&B) OR CONTAINER GROWN AS SPECIFIED IN THE PLANT MATERIALS SCHEDULE. PLANTS MUST CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-80, LATEST EDITION) FOR SIZE AND QUALITY.
4. ALL TREES MUST BE STRAIGHT TRUNKED, FULL HEADED, WITH A SINGLE DOMINANT LEADER, AND MEET THE MINIMUM REQUIREMENTS. TREES WITH A "Y" SHAPE ARE NOT ACCEPTABLE.
5. ALL PLANTS ARE SUBJECT TO REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT AND OR OWNERS REPRESENTATIVE AT ANY TIME PRIOR TO FINAL ACCEPTANCE.
6. THE DIMENSIONS FOR HEIGHT, SPREAD, AND CALIPER AS SPECIFIED IN THE PLANT MATERIALS SCHEDULE ARE THE MINIMUM DESIRED FOR EACH PLANT. EACH PLANT SHALL BE UNIFORM AND CONSISTENT AS IT PERTAINS TO THE SPECIFICATIONS AND THE INDIVIDUAL SPECIES. ANY PLANT MATERIAL WHICH FAILS THESE SPECIFICATIONS WILL BE REJECTED. THE CONTRACTOR SHALL PROVIDE ACCEPTABLE MATERIAL AT NO ADDITIONAL COST TO THE OWNER. CALIPER SIZE IS NOT TO BE REDUCED.
7. ALL TREES SHALL MINIMUM AS MEASURED IN THE FIELD WILL BE REJECTED AND REPLACEMENTS SHALL BE MADE BY THE CONTRACTOR AT NO ADDITIONAL COST. CALIPER MEASUREMENTS SHALL BE MADE IN ACCORDANCE WITH ANSI STANDARDS.
8. PRIOR TO COMMENCEMENT OF INSTALLATION, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES AND SHALL AVOID DAMAGING UTILITIES. PRIOR TO INSTALLATION, ALL UTILITIES TO BE LOCATED SHALL BE REPAIRED BY THE LANDSCAPE CONTRACTOR TO THE SATISFACTION OF THE APPROPRIATE UTILITY COMPANY. ALL REPAIRS SHALL BE AT NO COST TO THE OWNER. NO TREES SHALL BE PLANTED WITHIN 10' OF SITE UTILITY LINES. FIELD ADJUST AS NECESSARY AFTER LANDSCAPE ARCHITECT'S APPROVAL.
9. THE LANDSCAPE CONTRACTOR SHALL FIELD STAKE ALL PLANT LOCATIONS PRIOR TO INSTALLATION. THE LANDSCAPE ARCHITECT SHALL APPROVE ALL STAKED LOCATIONS PRIOR TO INSTALLATION. PLANTS INSTALLED PRIOR TO APPROVAL BY THE LANDSCAPE ARCHITECT ARE SUBJECT TO REJECTION AND/ OR REPLACEMENT AT NO ADDITIONAL COST TO THE OWNER.
10. PRE-EMERGENT HERBICIDES, TRIFLURALIN OR EPTAM, SHALL BE APPLIED TO ALL PLANTING BEDS. APPLY AT MANUFACTURERS RECOMMENDATIONS. HERBICIDES SHALL BE INCORPORATED INTO THE SOIL MIXES.
11. ADD ROOT STIMULATOR, CONTONOR MICROHORIZZA, TO ALL PLANTS PRIOR TO BACK FILLING. APPLY AT MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO SUBMIT SAMPLES OF SOIL MIXES TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO USE.
12. ALL DISTURBED AREAS NOT RECEIVING MULCH OR OTHER SPECIFIED IMPROVEMENTS ARE TO BE FINE GRADED TO TRANSITION SMOOTHLY INTO ADJACENT GRADES AND RECEIVE BERMUDA SOD. SEE SOD NOTES BELOW.
13. THE LANDSCAPE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANTINGS FOR A PERIOD OF ONE YEAR BEGINNING UPON THE WRITTEN DATE OF SUBSTANTIAL COMPLETION OF THE PROJECT. ANY PLANTS SUBJECT TO REPLACEMENT SHALL BE MADE AT THE END OF THE WARRANTY PERIOD OR AT TIME AS DETERMINED BY THE OWNERS REPRESENTATIVE. ALL PLANTS MUST BE ALIVE AND HEALTHY FOR REVIEW AND APPROVAL BY LOCAL AUTHORITIES AS APPROPRIATE FOR OCCUPANCY PERMIT.
14. THE LANDSCAPE CONTRACTOR SHALL PROVIDE ONE-ON-SITE TOPSOIL AS AVAILABLE FROM THE CONTRACTOR. ALL IMPORTED TOPSOIL SHALL BE APPROVED BY THE OWNERS REPRESENTATIVE PRIOR TO PLANTING.
15. EXISTING GRASS TO BE REMOVED, IF PRESENT, AND TOPSOIL TO BE SPREAD SMOOTH AND HAND-RAKED TO REMOVE ALL ROCKS AND DEBRIS LARGER THAN 1 INCH IN DIAMETER PRIOR TO LAYING SOD OR TO BE MULCHED WITH A MINIMUM OF 3 INCHES OF AGED, BROWN HARDWOOD BARK, SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL. ALL PLANTING AREAS MUST BE MULCHED WITH A MINIMUM OF 3 INCHES OF AGED, BROWN HARDWOOD BARK.
16. THE TYPICAL PLANTING SOIL BACKFILL MIX FOR BEDS AND PLANT BACKFILL SHALL CONSIST OF THE FOLLOWING:
 - 2/3 SITE SOIL
 - 1/3 SOIL AMENDMENTS (BY VOLUME AS FOLLOWS)
 - 2 PARTS HUMUS AND OR PEAT
 - 1 PART CORN RIVER SAND
 - 1 PART STERILIZED COMPOSTED COW MANURE
 - COMMERCIAL FERTILIZER AND LIME AS RECOMMENDED BY THE SOILS TEST REPORT.
17. THE TYPICAL PLANTING SOIL BACKFILL MIX FOR PLACEMENT OF PLANTS SHALL BE:
 - COMPLETELY BLEND BACKFILL SOIL MIX PRIOR TO PLACEMENT.
18. MULCH SHALL BE BROWN HARDWOOD MULCH WITH NO WEED OR UNPROCESSED ORGANICS.

THE DEVELOPER, ITS SUCCESSOR AND/OR SUBSEQUENT OWNERS AND THEIR AGENTS, SHALL MAINTAIN LANDSCAPING ON THE PROPERTY ON A CONTINUING BASIS FOR THE LIFE OF THE DEVELOPMENT.

1. ALL LANDSCAPING IS SUBJECT TO PERIODIC INSPECTION BY THE PLANNING DIRECTOR OR DESIGNEE. THE CITY MAY CAUSE REMOVAL OF ANY DEAD OR DISEASED TREES, PLANTS AND SHRUBS ON PRIVATE PROPERTY WITHIN THE CITY, WHEN THOSE TREES, PLANTS AND SHRUBS CONSTITUTE A HAZARD TO LIFE AND/OR PROPERTY OR HARBOR INSECTS OR DISEASES WHICH CONSTITUTE A POTENTIAL THREAT TO OTHER TREES, PLANTS OR SHRUBS WITHIN THE CITY. IF THE PLANNING DIRECTOR DETERMINES THAT REMOVAL OF ANY DISEASED TREE, PLANTS OR SHRUBS ARE NECESSARY, THE PLANNING OFFICIAL SHALL PROVIDE THE PROPERTY OWNER WRITTEN NOTICE OF THE REQUIRED MAINTENANCE OR REMOVAL.

2. ALL REQUIRED LANDSCAPING SHALL BE PROVIDED WITH A READILY AVAILABLE AND ACCEPTABLE WATER SUPPLY. UNDERGROUND SPRINKLER SYSTEMS ARE ENCOURAGED FOR ALL REQUIRED STREET YARD LANDSCAPING, PARKING LOT LANDSCAPING, LANDSCAPE BUFFER YARDS, AND LANDSCAPE SCREENING.

3. WARRANTY PERIOD - COMPLETED LANDSCAPING SHALL COMPLY WITH THE APPROVED LANDSCAPE PLAN, INCLUDING THE QUANTITIES, LOCATION, SPECIES, AND SIZE OF PLANTS AND OTHER LANDSCAPE MATERIALS, AND THAT SUCH LANDSCAPING WILL REMAIN IN GOOD CONDITION FREE FROM DEFECTS IN MATERIAL AND/OR WORKMANSHIP DURING THE WARRANTY PERIOD.

3.1. FOR THE PURPOSE OF THIS SUBSECTION, "WARRANTY PERIOD" MEANS A PERIOD OF ONE YEAR BEGINNING WHEN THE CITY ACCEPTS THE LANDSCAPING AS COMPLETE.

3.2. DURING THE WARRANTY PERIOD, DEFECTIVE MATERIALS, EQUIPMENT, AND WORKMANSHIP SHALL BE REPAIRED, CORRECTED, OR REPLACED WITHOUT CHARGE OR COST TO THE OWNER. THE CITY MAY REQUIRE THE WARRANTY PERIOD INSPECT, PHOTOGRAPH, OR TELEVISION SUCH LANDSCAPING AND SHALL NOTIFY THE DEVELOPER OF ANY NECESSARY REPAIR, CORRECTION, OR REPLACEMENT.

PART 1. GENERAL

THIS WORK SHALL INCLUDE ALL SOIL PREPARATION AND THE STORAGE, TRANSPORTATION, PLACING, AND MAINTENANCE OF SOD AT ALL LOCATIONS SHOWN ON THE CONDITIONS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT. TEMPORARY STORAGE OF SOD IS PERMITTED; HOWEVER, TAKE CARE TO MAINTAIN THE SOD IN A LIVE, GROWING CONDITION. SOD SHALL BE REJECTED IF IT IS PERMITTED TO DECAY OR DRY OUT TO THE EXTENT THAT, IN JUDGMENT OF THE LANDSCAPE ARCHITECT, ITS SURVIVAL IS DOUBTFUL. DISPOSE OF REJECTED SOD AS DIRECTED BY THE LANDSCAPE ARCHITECT AT NO EXPENSE TO THE OWNER. SET SOD BETWEEN MARCH 1 AND OCTOBER 15 AND WHEN THE SOIL IS IN A WORKABLE CONDITION. CONTRACTOR SHALL COORDINATE INSTALLATION OF SOD WITH COMPLETION OF IRRIGATION SYSTEM. THIS WILL INSURE WATERING OF NEW MATERIAL. DO NOT SET SOD OUT OF SEASON UNLESS SOIL CONDITIONS ARE FAVORABLE AND WRITTEN PERMISSION IS OBTAINED FROM THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR THE SCHEDULING, ORDERING, RECEIVING, STORING, AND INSTALLING OF ALL SODDING MATERIALS.

PART 2. PRODUCTS
 SOD: KENTUCKY BLUEGRASS; NEW SOD CONSISTING OF LIVE, DENSE, WELL ROOTED GROWTH; WELL SUITED FOR THE INTENDED PURPOSE AND SOIL CONDITIONS;
 COMPLETELY FREE OF NOXIOUS WEEDS AND GRASSES (QUACK GRASS, JOHNSON GRASS, CANADA THISTLE); AND CONTAINING LESS THAN 5 PLANTS OF OBJECTIONABLE
 WEEDS PER 100 SQUARE FEET IF NURSERY GROWN OR 10 SUCH PLANTS IF FIELD GROWN

FERTILIZER: COMMERCIALLY MANUFACTURED, GRADE 10-10-10; FURNISHED IN STANDARD CONTAINERS THAT ARE CLEARLY MARKED WITH THE NAME, WEIGHT, AND GUARANTEED ANALYSIS OF THE CONTENTS AND THAT ENSURE PROPER PROTECTION IN TRANSPORTATION AND HANDLING; AND IN COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL FERTILIZER LAWS. AGRICULTURAL LIMESTONE: CONTAINING A MINIMUM OF 85 PERCENT CALCIUM CARBONATE AND MAGNESIUM CARBONATE COMBINED, 85 PERCENT OF WHICH PASSES A NO. 10 MESH SIEVE.

PART 3. EXECUTION
BEFORE BEGINNING SODDING OPERATIONS IN ANY AREA, COMPLETE THE PLACING OF TOPSOIL, FINAL GRADING, AND REMOVAL OF ANY DEBRIS. HAVE THE WORK APPROVED BY THE LANDSCAPE ARCHITECT. A MINIMUM OF 4 INCHES OF GOOD, CLEAN TOPSOIL SHALL BE SPREAD OVER THE CONSTRUCTION AREA. SCARIFY EACH AREA TO BE SODDED A MINIMUM OF 2 INCHES.

APPLY FERTILIZER AND AGRICULTURAL LIMESTONE UNIFORMLY OVER THE SOD BED AT THE RATES SHOWN BELOW. IMMEDIATELY PRIOR TO PLACING SOD, WATER THE SOD BED UNTIL IT IS SATURATED TO A DEPTH OF 1 INCH, AND KEEP IT MOIST UNTIL THE SOD IS PLACED.

- A. FERTILIZER: 15 POUNDS PER 1,000 SQUARE FEET OF 10-10-10
- B. AGRICULTURAL LIMESTONE: 40 POUNDS PER 1,000 SQUARE FEET

PLACE SOD AS SOON AS PRACTICAL AFTER ITS REMOVAL FROM POINT OF ORIGIN. KEEP IT MOIST WHILE DISPLACED. PLACE SOD BY HAND SO THAT THE EDGES ARE IN CLOSE CONTACT AND IN A POSITION TO BREAK JOINTS WITH THE LONG DIMENSION PERPENDICULAR TO THE SLOPE. FIT AND POUND THE SOD INTO PLACE WITH A 10 INCHES X 10 INCHES WOOD TAMP OR OTHER SIMILAR IMPLEMENTS. IMMEDIATELY AFTER PLACING THE SOD, THOROUGHLY WET AND ROLL IT. TWO WEEKS AFTER THE SOD IS INSTALLED, TOP DRESS AND THOROUGHLY WATER IT. TOP DRESSING SHALL CONSIST OF THE FOLLOWING:

- A. 1/2 TO 1 POUND: 38 PERCENT UREA FORMALDEHYDE PER 1,000 SQUARE FEET
- B. 20 POUNDS: 6-12-12 PER 1,000 SQUARE FEET

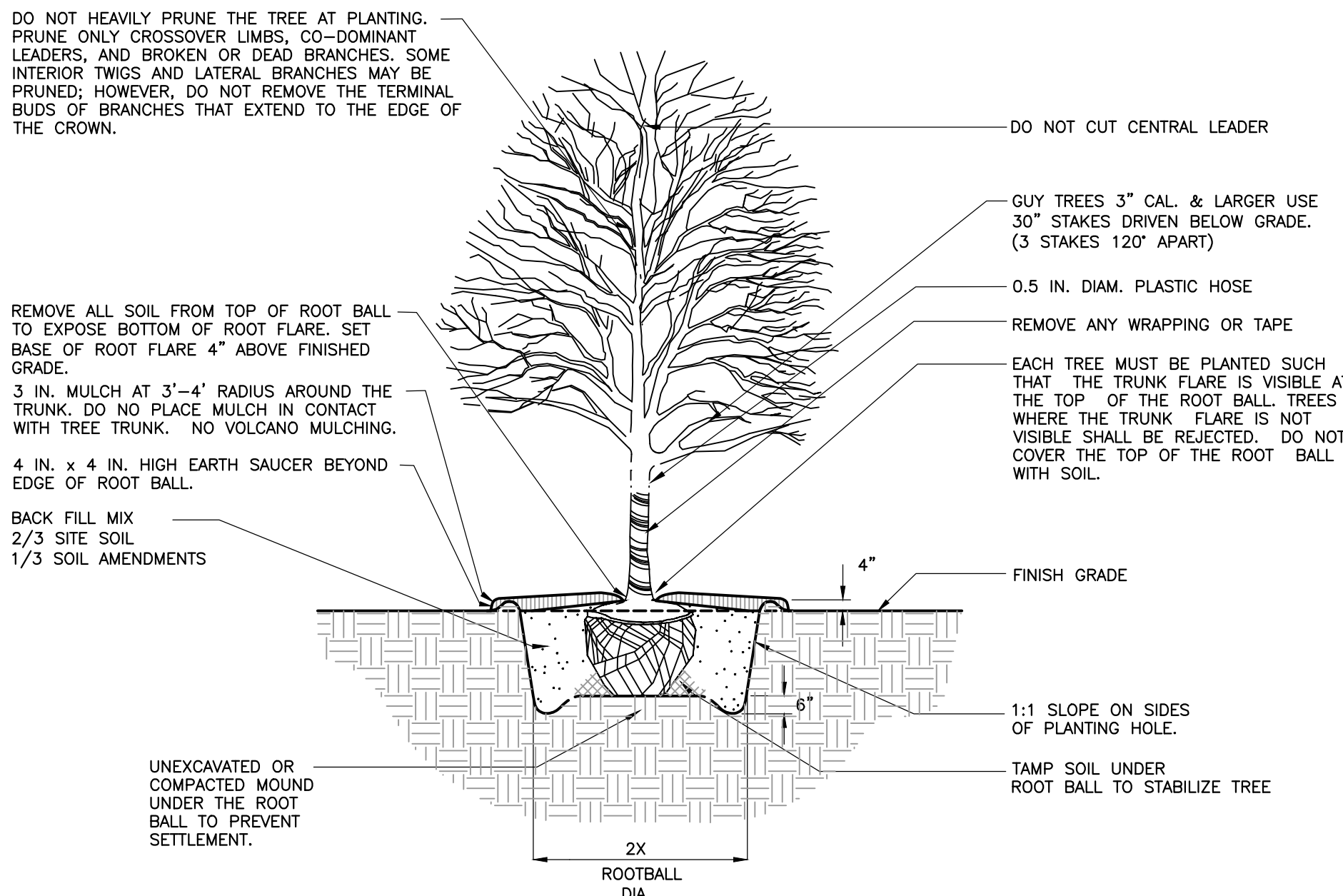
NO EQUIPMENT, MATERIAL STORAGE, CONSTRUCTION TRAFFIC, ETC., WILL BE PERMITTED ON NEWLY SODDED AREAS. DISPOSE OF ALL SURPLUS MATERIAL AS DIRECTED BY THE OWNER. THE OWNER WILL REVIEW THE SOD FOR ACCEPTANCE 30 DAYS AFTER INSTALLATION, AT WHICH TIME THE MAINTENANCE PERIOD WILL BEGIN AS STATED IN THESE SPECIFICATIONS. THIS ACCEPTANCE BY THE OWNER IS FOR THE PURPOSES OF PAYMENT ONLY.

INSPECTIONS

A. THE LANDSCAPE ARCHITECT SHALL INSPECT THE SOD WITHIN 30 DAYS AFTER INSTALLATION AND DETERMINE IF IT IS ACCEPTABLE.

GUARANTEES

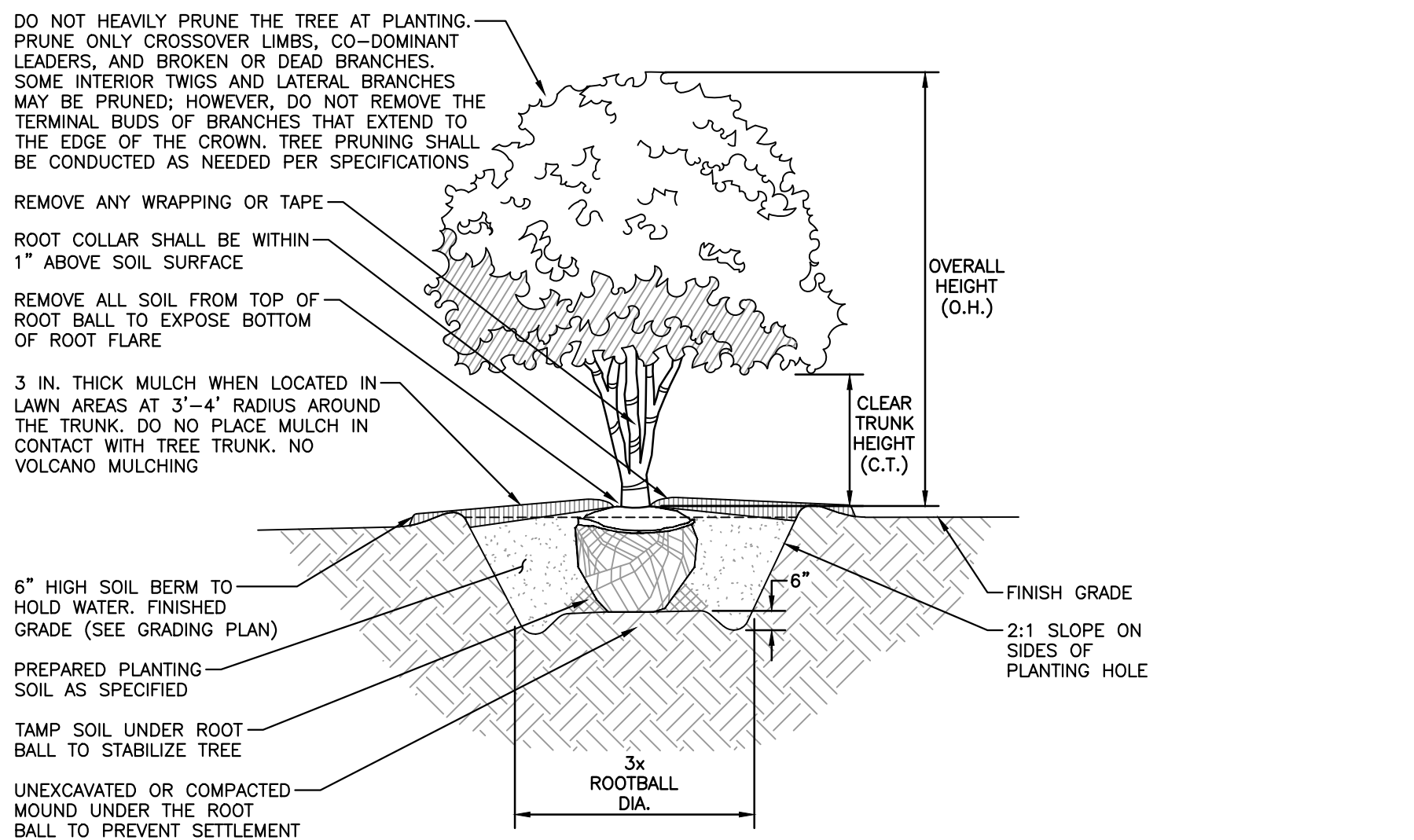
A. ESTABLISH AN ACCEPTABLE GROWTH OF THE SPECIFIED SOD ON ALL AREAS INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT. AN AREA IS CONSIDERED ACCEPTABLE IF THE MAJORITY OF EACH PIECE OF SOD IS ALIVE AND HEALTHY AND GENERALLY FREE FROM WEEDS, INSECT, AND DISEASE.



1 DECIDUOUS TREE PLANTING DETAIL
NOT TO SCALE

NOTES:

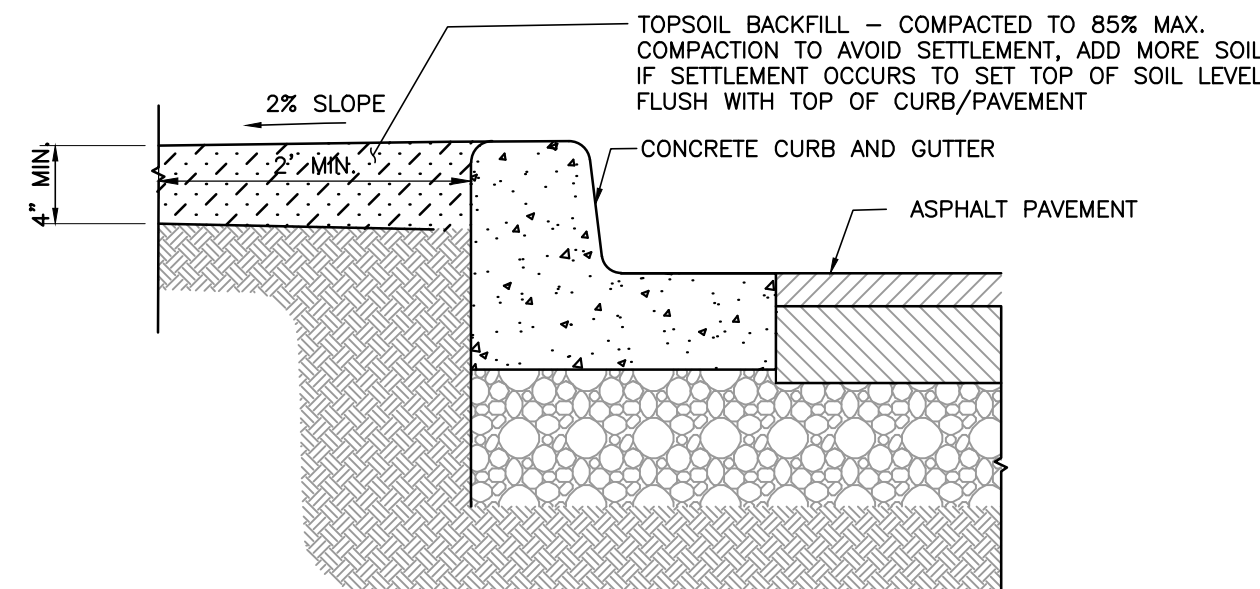
1. TREES ARE NOT TO BE STAKED.
2. PROVIDE POSITIVE DRAINAGE UNDER ALL CIRCUMSTANCES. DRAINAGE SHOULD BE FROM CENTER OF ROOT BALL TO PERIMETER OF ROOT BALL. DO NOT ALLOW PONDING OF WATER UNDER ROOTBALL.
3. REMOVE TOP HALF OF WIRE BASKET AFTER PLACING ROOTBALL IN PLANT PIT.
4. REMOVE ROPE TIES & TOP 1/3 OF BURLAP FROM ROOT BALL AFTER PLANTING.
5. POLYPROPYLENE STRAPS MAY BE SUBSTITUTED IN LIEU OF WIRES, ARBORITE OR EQUIVALENT.
6. SEE PLANTING SCHEDULE AND PLANTING NOTES FOR ADDITIONAL INFORMATION/REQUIREMENTS.



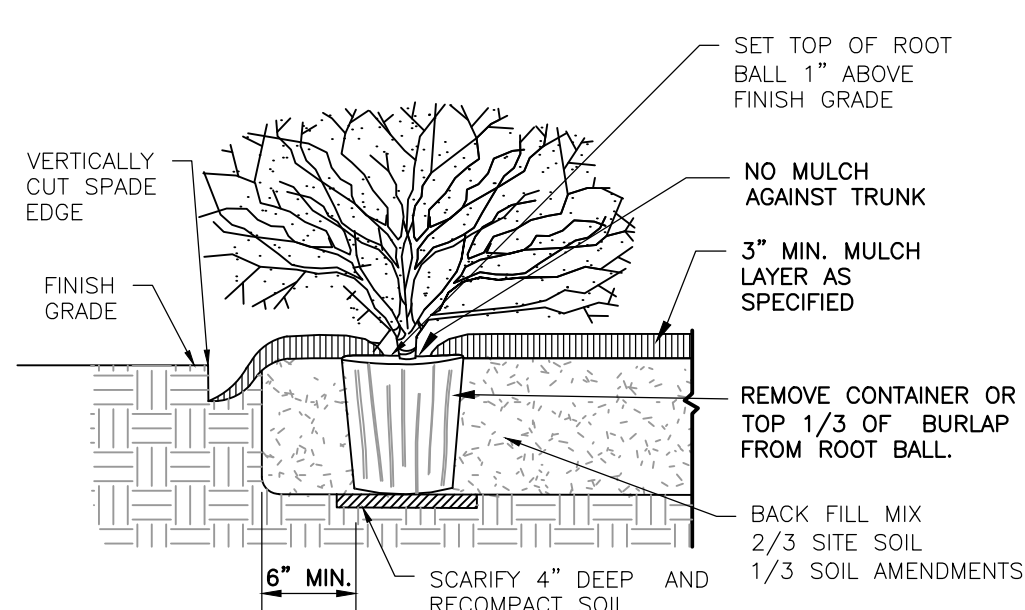
2 MULTI-TRUNK TREE PLANTING DETAIL
NOT TO SCALE

NOTES:

1. TREES SHALL BE STAKED AND GUYED AS DETAILED AND SPECIFIED ONLY IF THE TREE CANNOT STAND ON ITS OWN.
2. PROVIDE PROPER DRAINAGE UNDER ALL CIRCUMSTANCES. DRAINAGE SHOULD BE FROM CENTER OF ROOT BALL TO PERIMETER OF ROOT BALL. DO NOT ALLOW PONDING OF WATER UNDER ROOTBALL.
3. SET TREE AT ORIGINAL DEPTH. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRDLE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL. NO SYNTHETIC BURLAP WILL BE ACCEPTED.
4. SET LANDSCAPE PLANTING NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.
5. BRANCHING HEIGHT PER PLANTING NOTES AND SPECIFICATIONS.
6. SET PLANTING SCHEDULE AND PLANTING NOTES FOR ADDITIONAL INFORMATION/REQUIREMENTS.



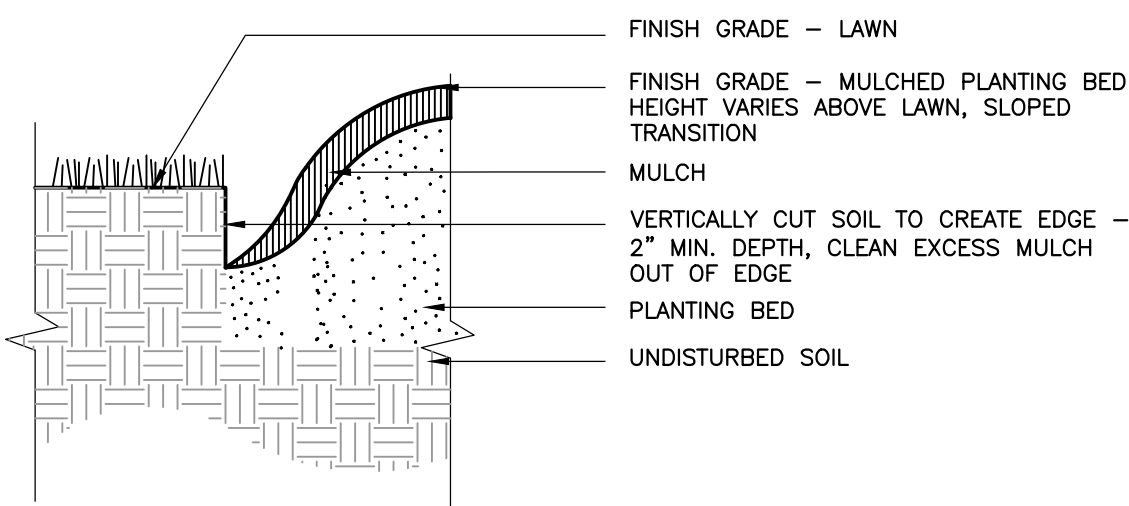
3 TOPSOIL BACKFILL DETAIL
NOT TO SCALE



NOTES

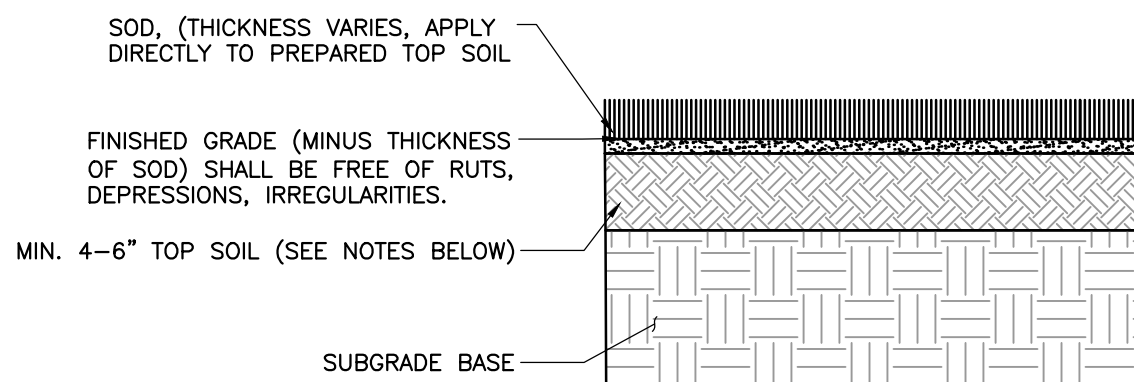
1. SEE PLANTING SCHEDULE AND PLANTING NOTES FOR ADDITIONAL INFORMATION/REQUIREMENTS.
2. LIMIT AMOUNT OF PRUNING TO ONLY DEAD OR DAMAGED LIMBS. RETAIN THE NATURAL SHAPE OF SHRUB. IF MORE THAN 1/5 OF TOTAL SHRUB FOLIAGE IS PRUNED, PLANT MAYBE REJECTED.

SHRUB PLANTING DETAIL
NOT TO SCALE



NOTES
1. INSTALL BED EDGE WHEN MULCHED AREAS ABOUT LAWN AREAS UNLESS SPECIFIED FOR STEEL EDGING. DO NOT INSTALL UNTIL LAWN IS ESTABLISHED AND SOIL IS FIRM. RE-MULCH EDGE IF SOIL GETS ON PREVIOUSLY INSTALLED MULCH DURING EDGE INSTALLATION.

PLANTING BED EDGE DETAIL
NOT TO SCALE



NOTES:

1. MINIMUM TOPSOIL DEPTH IS 4 INCHES.
2. TOPSOIL SHOULD HAVE A GOOD HUMUS CONTENT. THIS CAN BE 20 TONS OF COMPOSTED MANURE PER ACRE OR 170 POUNDS OF PEAT PER ACRE.
3. TOPSOIL WITH 5% OR LESS HUMUS WILL NEED A HEAVY AMENDMENT. EVENLY APPLY HYDRATED LIME OR GROUND LIMESTONE TO TOP SOIL UNTIL PH IS ADJUSTED TO BETWEEN 6.7 - PH BELOW 5.5 OR ABOVE 7.5 IS UNACCEPTABLE FOR LAWNS.
4. 650 LBS OF SLOW RELEASE, WELL-BALANCED FERTILIZER 10-10-10 PER ACRE SHOULD BE WORKED INTO THE TOPSOIL PRIOR TO SEEDING.
5. SODDING IS BEST IN THE LATE SUMMER-EARLY AUTUMN. A HARROW MAY BE USED TO OBTAIN AN EVEN SURFACE THAT IS FIRM. THE SEED MAY BE MECHANICALLY SPREAD INTO THE HARROW.
6. CONTRACTOR IS RESPONSIBLE FOR ENSURING SOD IS WATERED DURING ESTABLISHMENT.

6 SOD PLANTING
NOT TO SCALE

REVISION RECORD		
NO	DATE	DESCRIPTION
1	7/24/2018	REVISION 1 - LAUSD REQUIREMENTS

ARCHITECTURE, ENGINEERING AND LANDSCAPE ARCHITECTURE IN THE STATE OF ARIZONA WILL BE PROVIDED BY CCI SURROUNDING AND LANDSCAPE ARCHITECTS OF INC., P.L.L.C. SERVICES IN SALESFO RDCD WILL BE PROVIDED BY CCI SURROUNDING AND LANDSCAPE ARCHITECTS OF INC., P.L.L.C. THE STATE OF ARIZONA WILL BE PROVIDED BY CCI SURROUNDING AND LANDSCAPE ARCHITECTS OF INC., P.L.L.C. THE STATE OF ARIZONA WILL BE PROVIDED BY CCI SURROUNDING AND LANDSCAPE ARCHITECTS OF INC., P.L.L.C.

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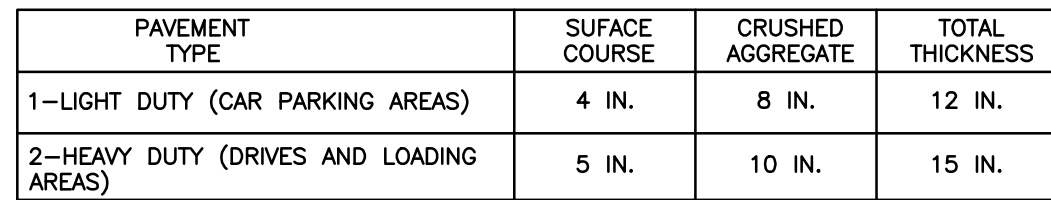
LANDSCAPE DETAILS

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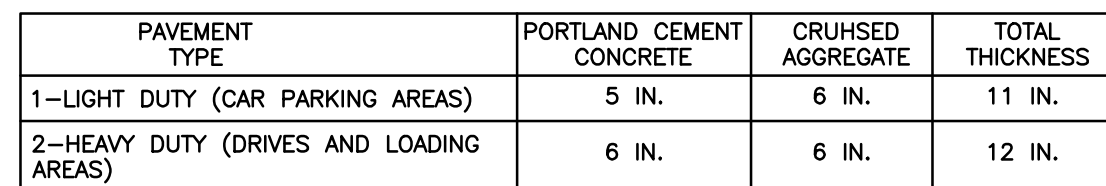
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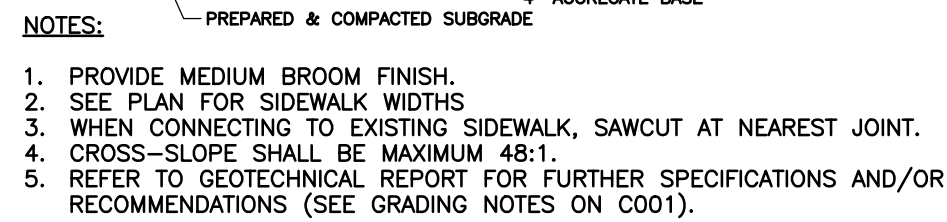
1. PAVEMENT THICKNESS SHALL BE PER GEOTECHNICAL REPORT. REFER TO THIS DOCUMENT FOR FURTHER SPECIFICATIONS AND/OR RECOMMENDATIONS.

HALT PAVING
NOT TO SCALE

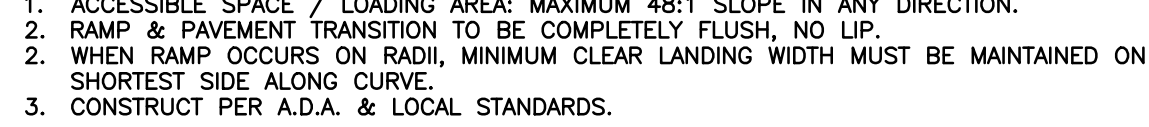


1. PAVEMENT THICKNESS SHALL BE PER GEOTECHNICAL REPORT. REFER TO THIS DOCUMENT FOR FURTHER SPECIFICATIONS AND/OR RECOMMENDATIONS.
2. CONCRETE TO HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 POUNDS PER SQUARE INCH (PSI) AND AIR ENTRAINMENT OF 4 TO 6 PERCENT BY VOLUME.

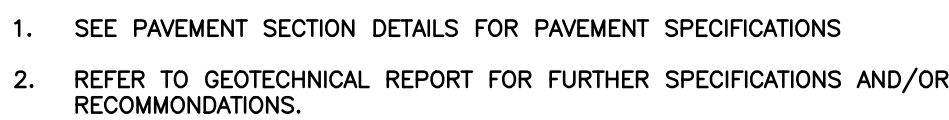
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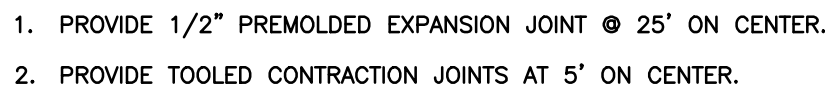
CRETE SIDE
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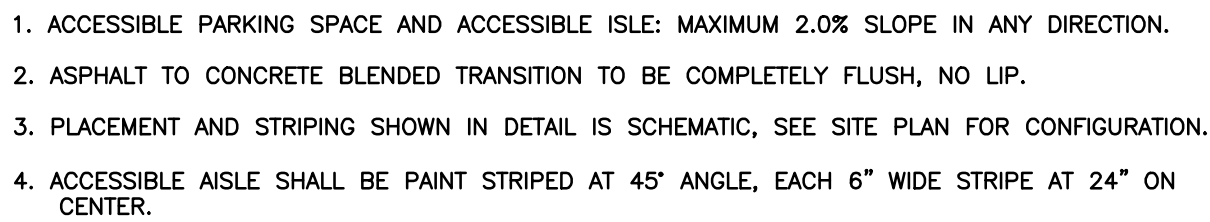
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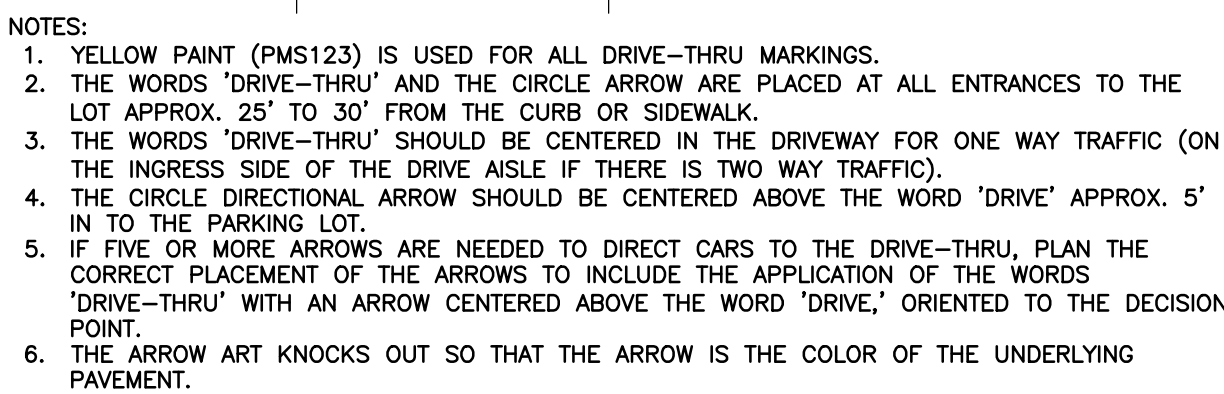
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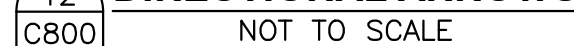
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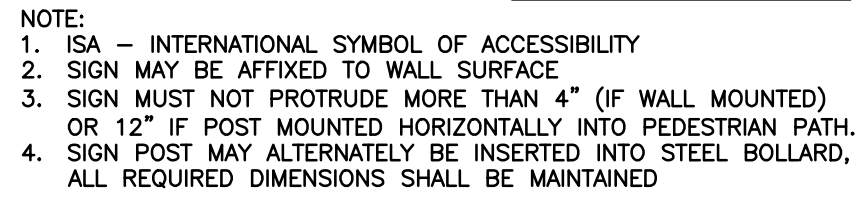
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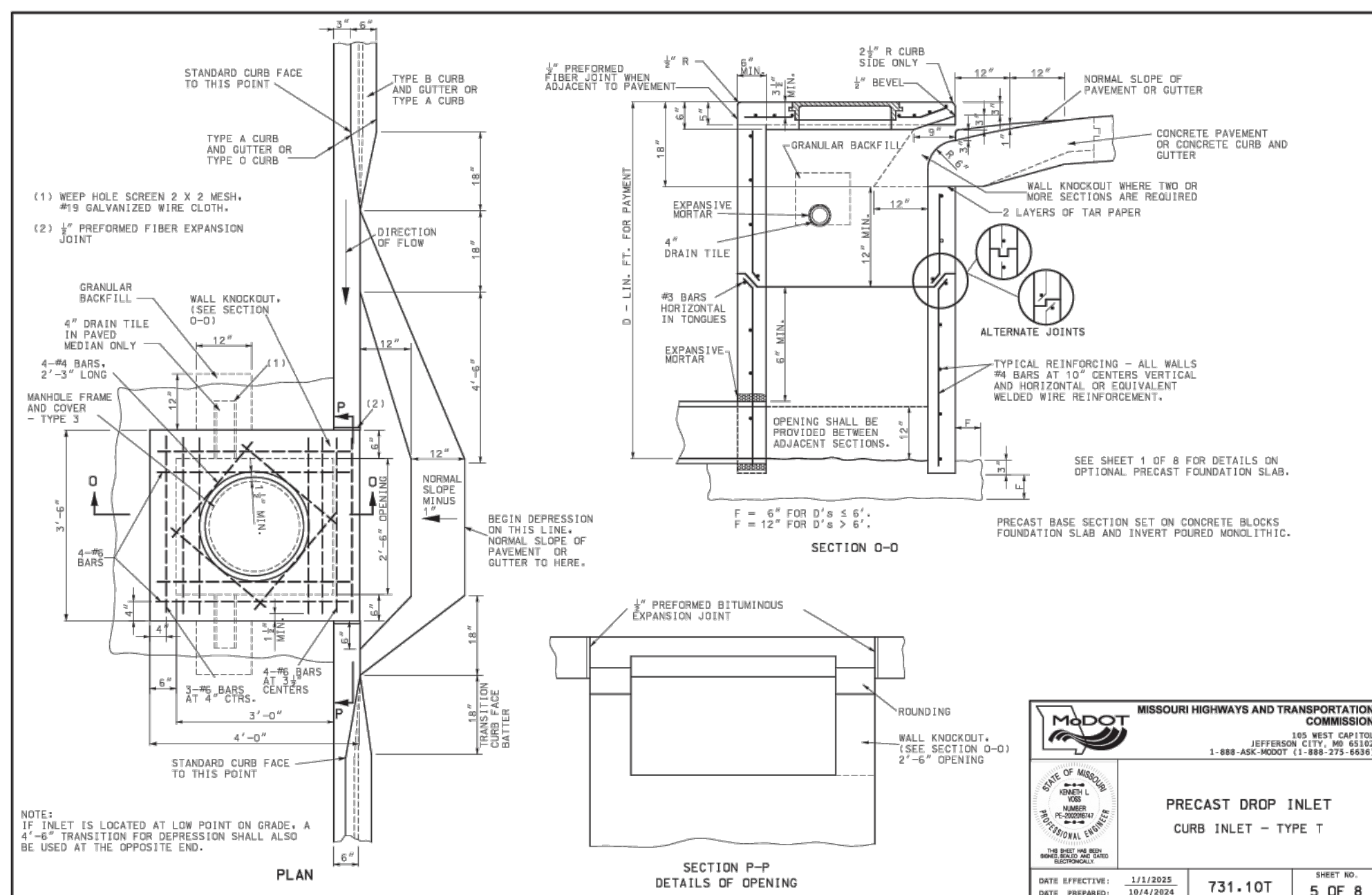
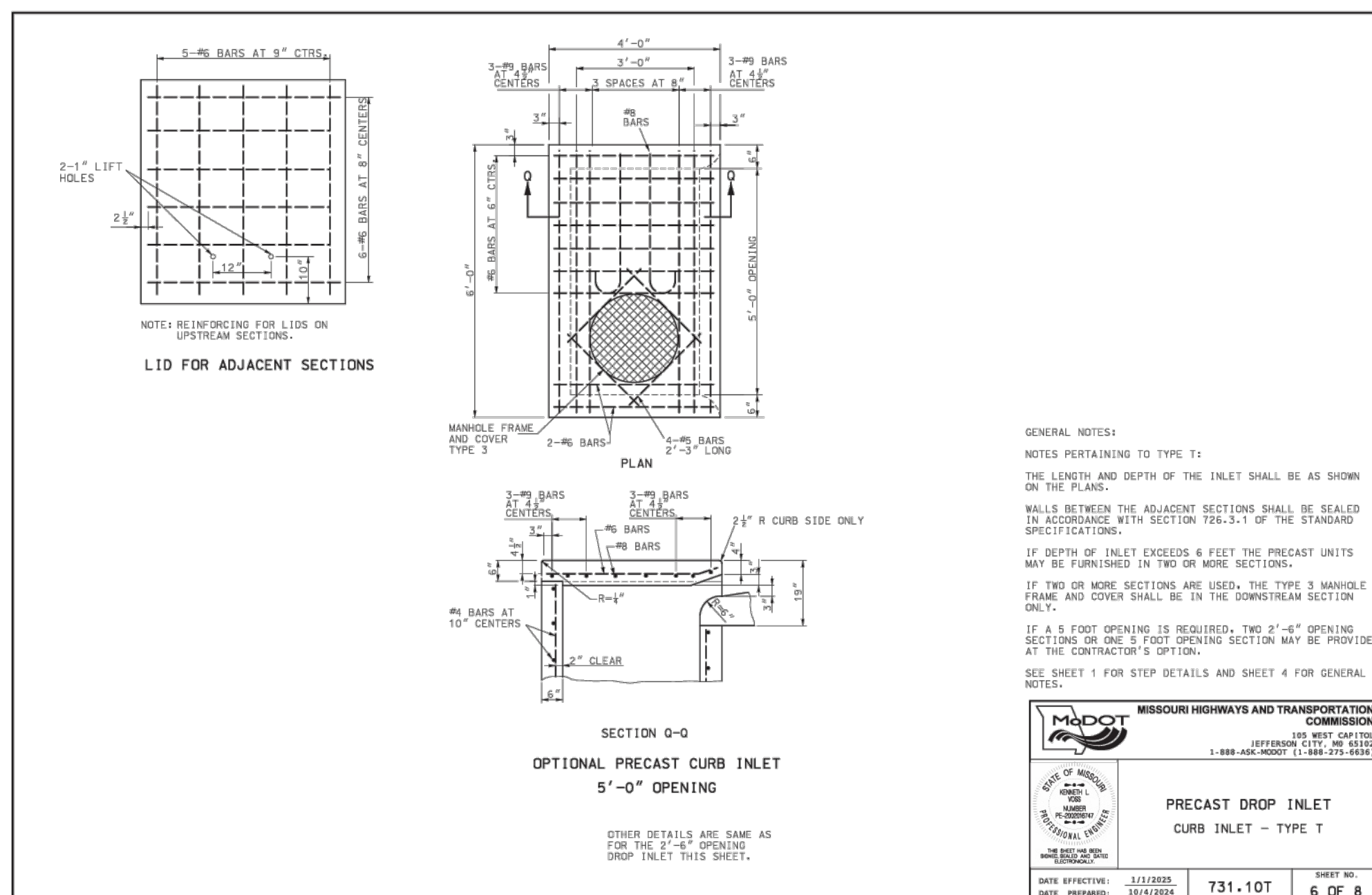
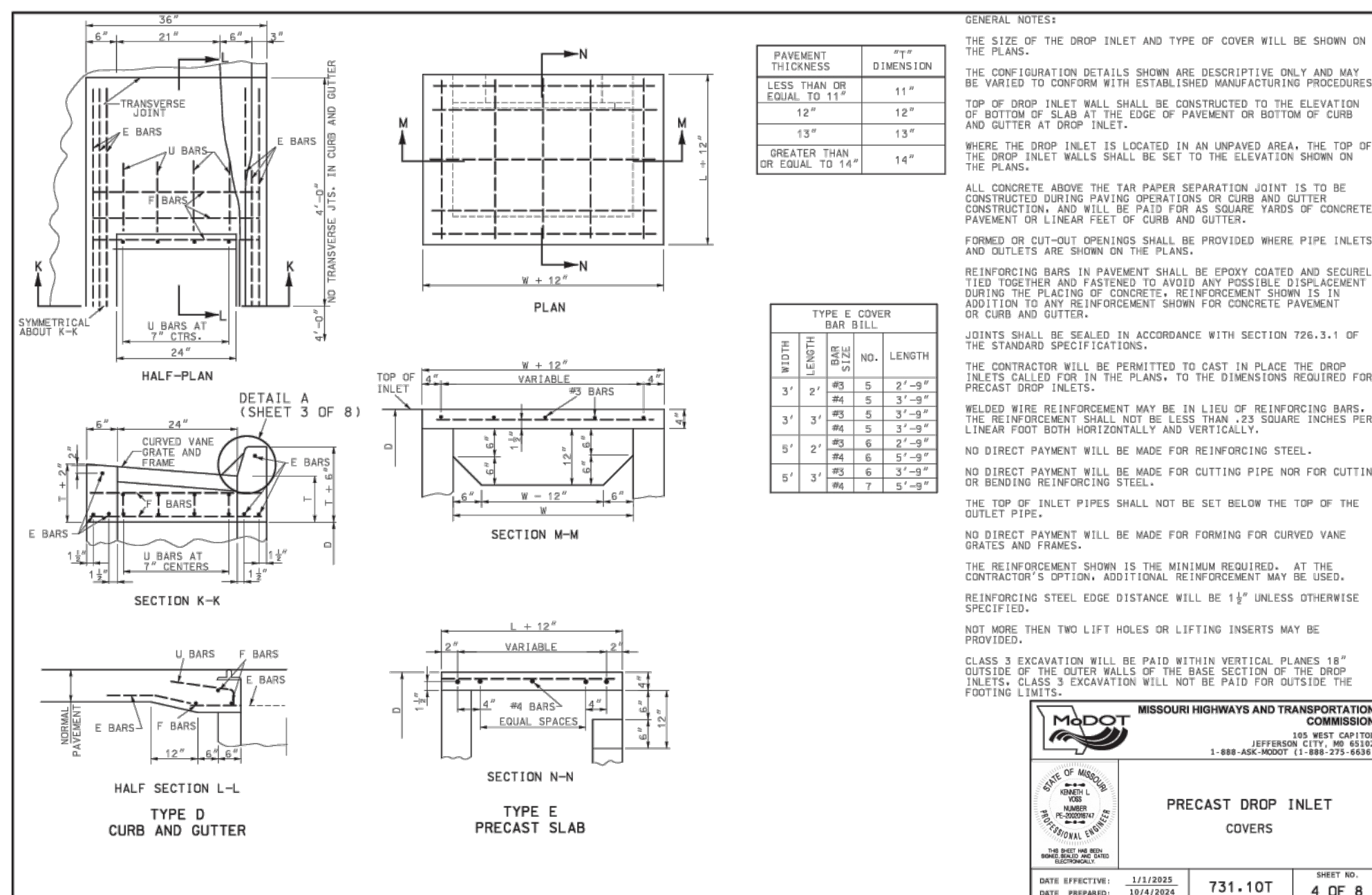
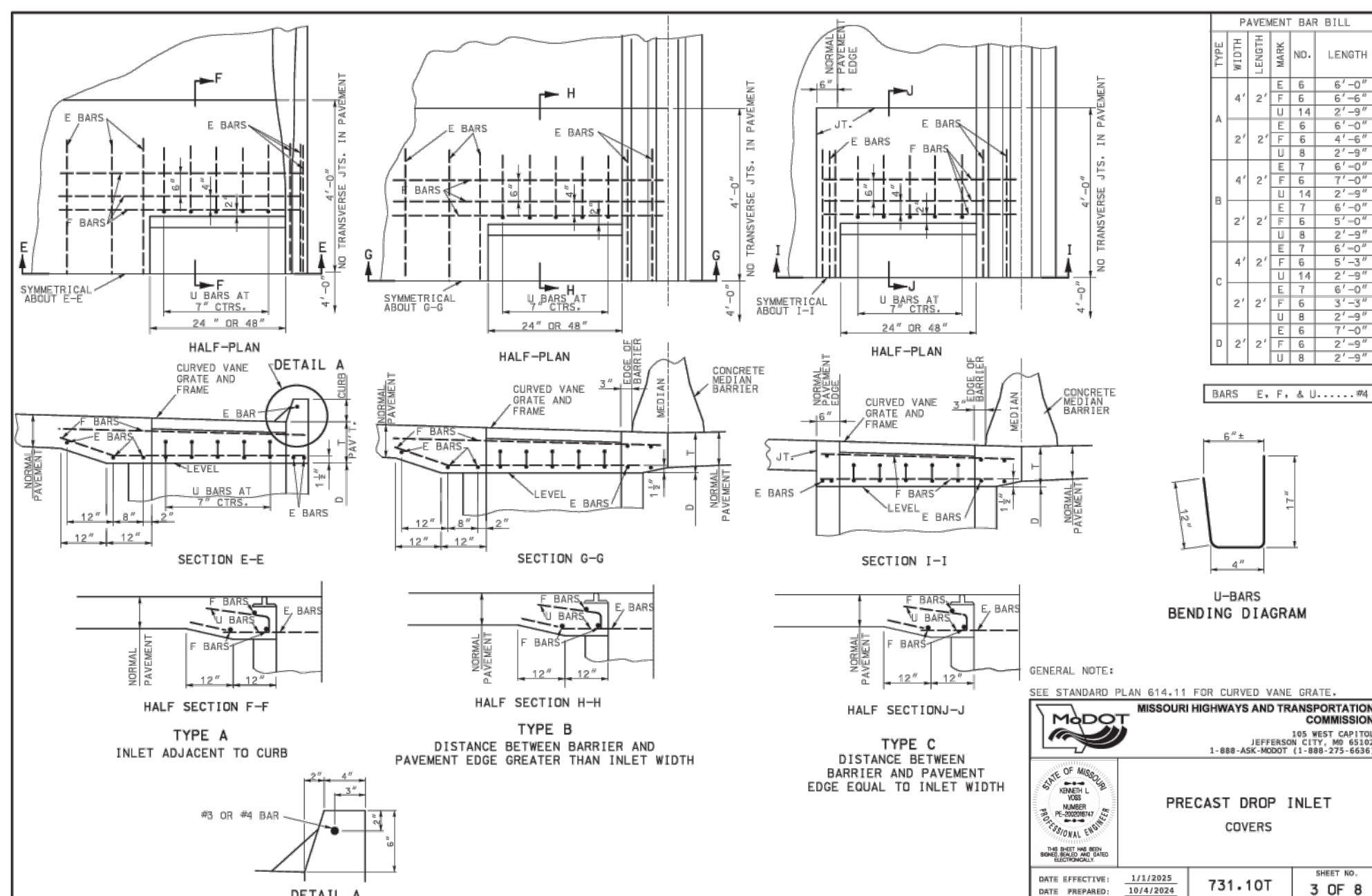
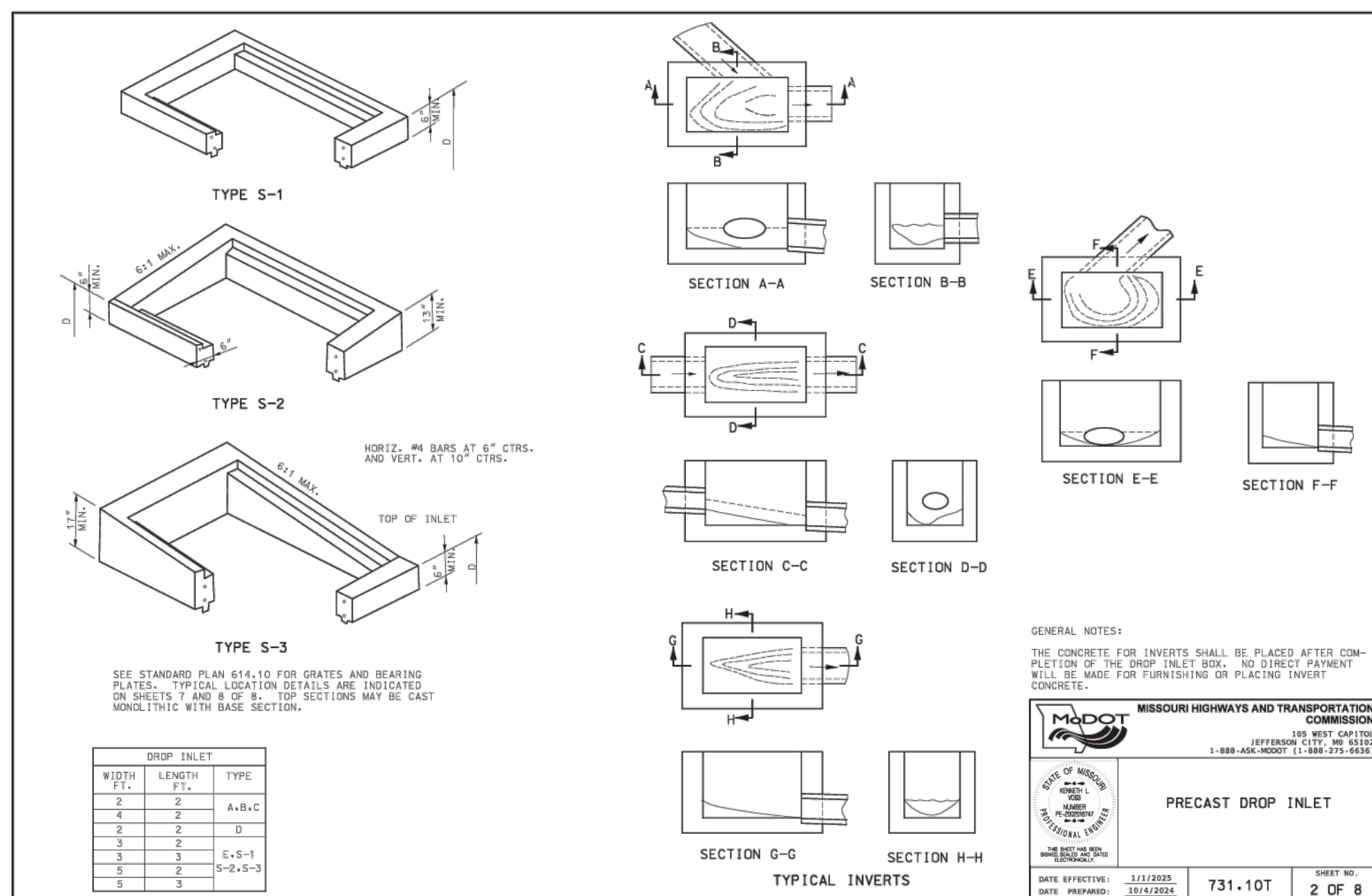
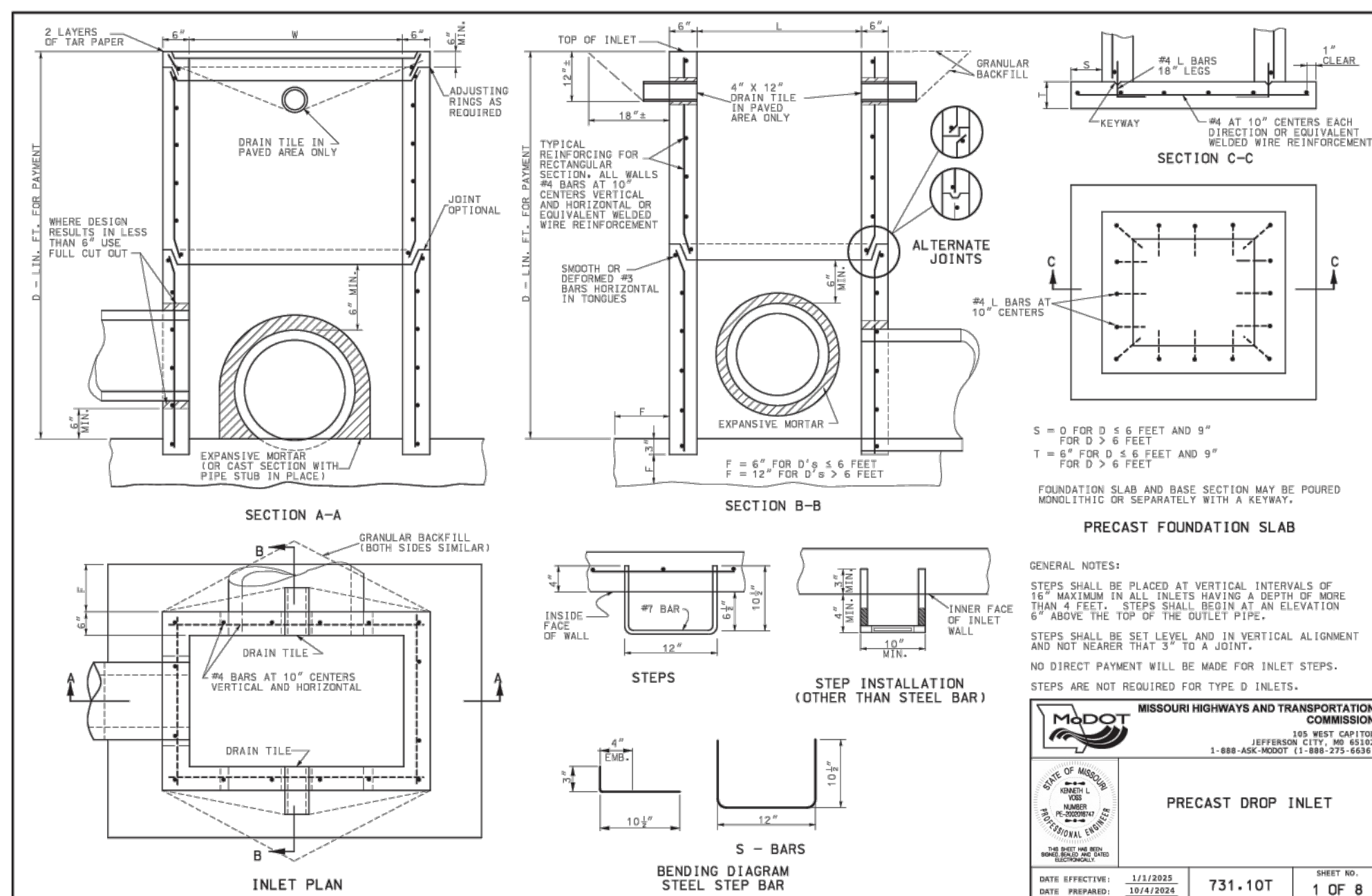
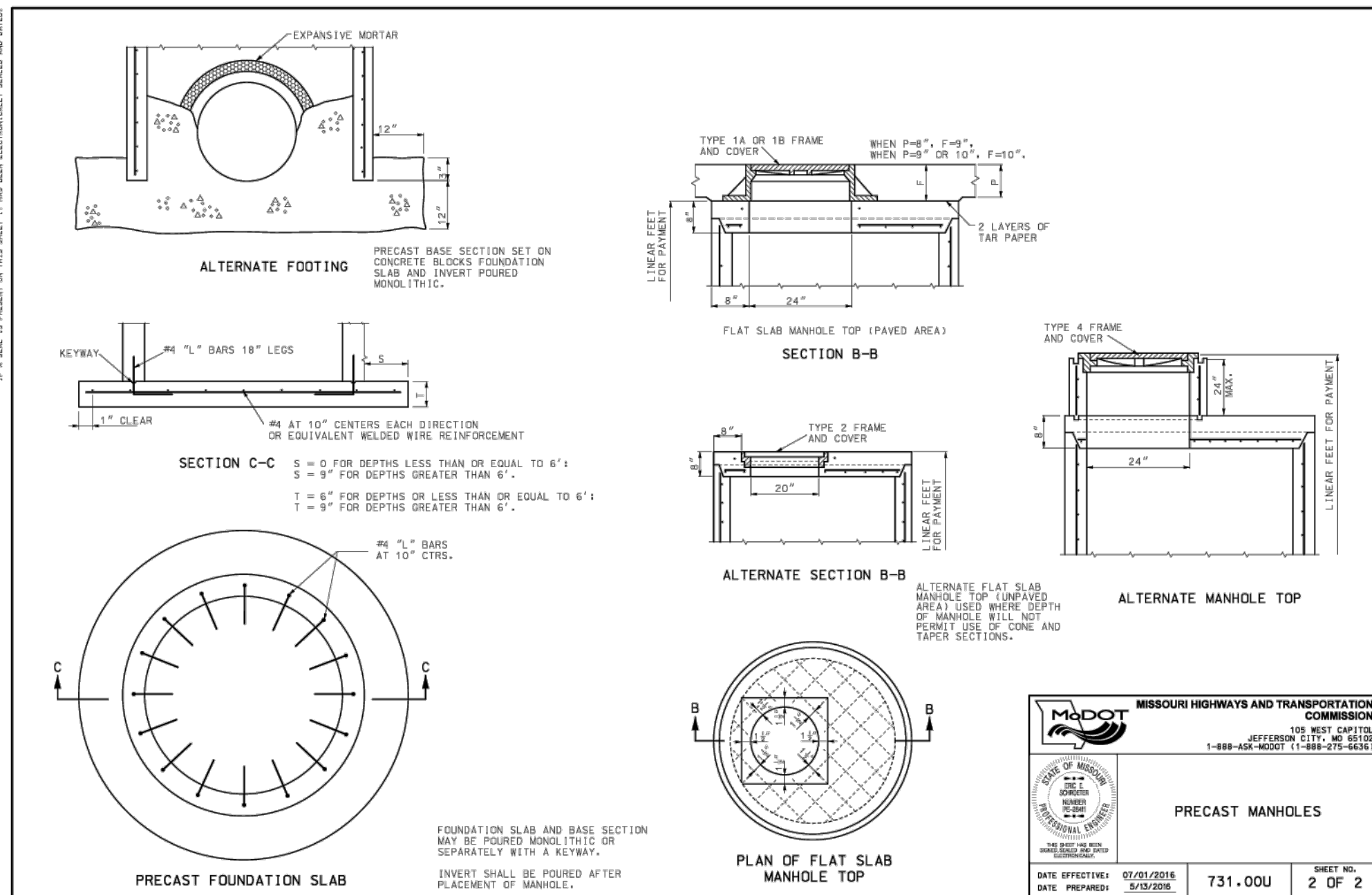
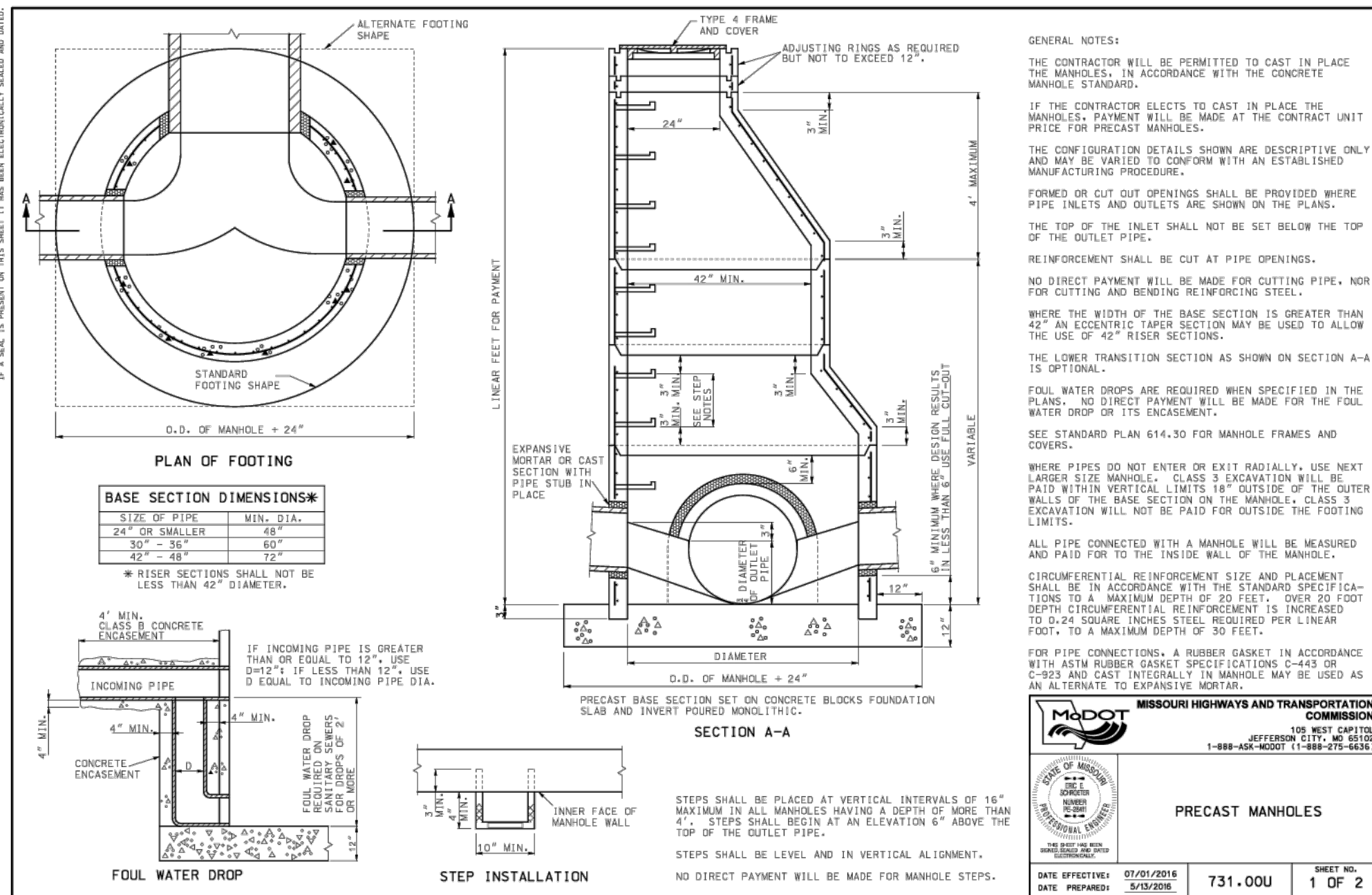
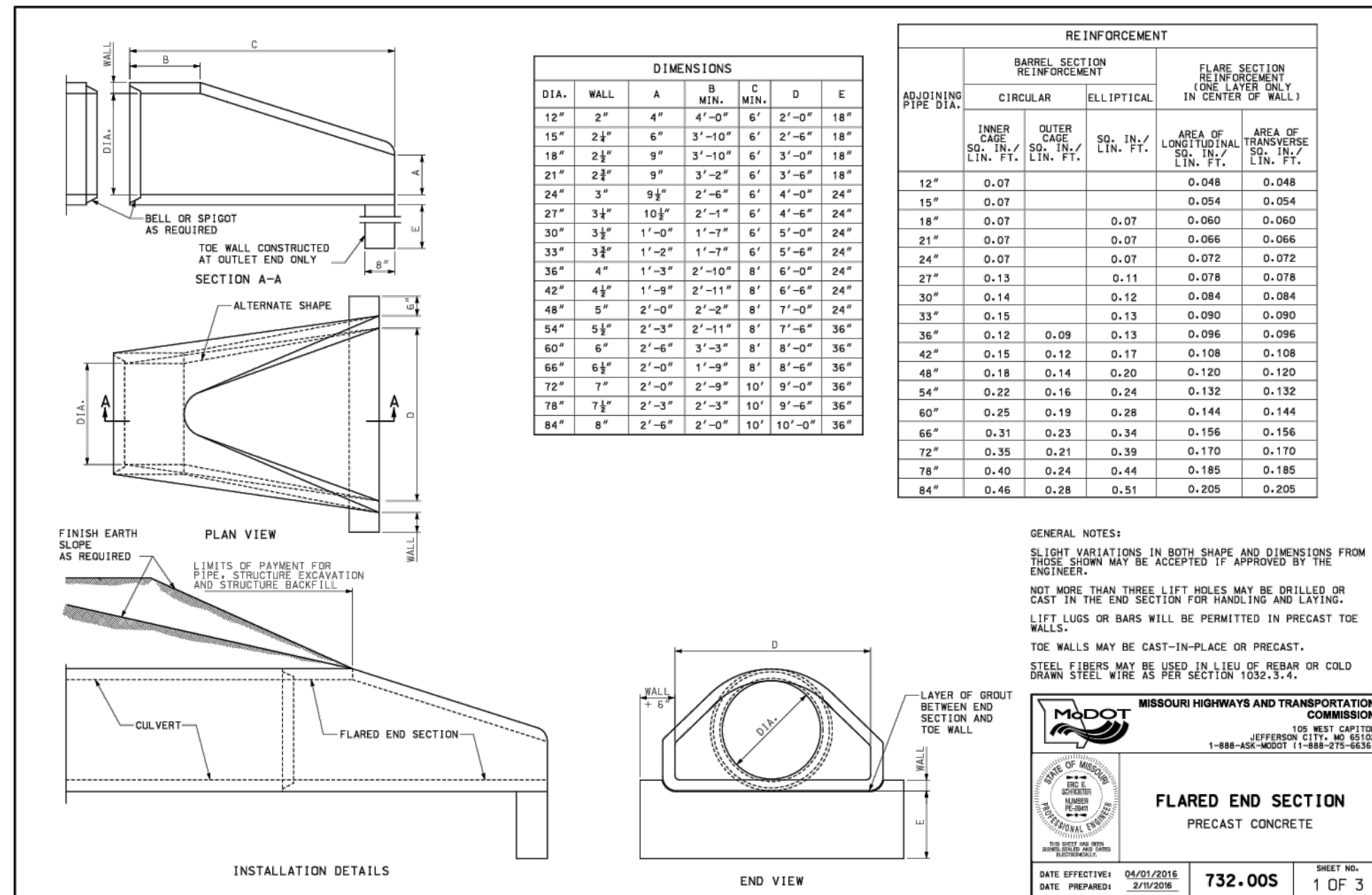
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DWG SCALE:		1"=20'	CHECKED BY:	THA
PROJECT NO:	353-866			
APPROVED BY:	DRAFT			

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NOTE: PRIOR TO ANY EXCAVATION FOR UNDERGROUND UTILITIES, CONTRACTOR SHALL EXPOSE AND VERIFY LOCATIONS (HORIZONTAL AND VERTICAL) OF ALL EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO GAS, WATER, AND SANITARY SEWER. ANY CONFLICTS SHALL BE REPORTED, IMMEDIATELY, TO THE ENGINEER AND THE APPROPRIATE AUTHORITIES.

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REVISION RECORD

NO.	DATE	DESCRIPTION
1	07/29/2018	REVISION 1 - LAYOUT REVISIONS

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www.cccinc.com

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653 S HUNT RD
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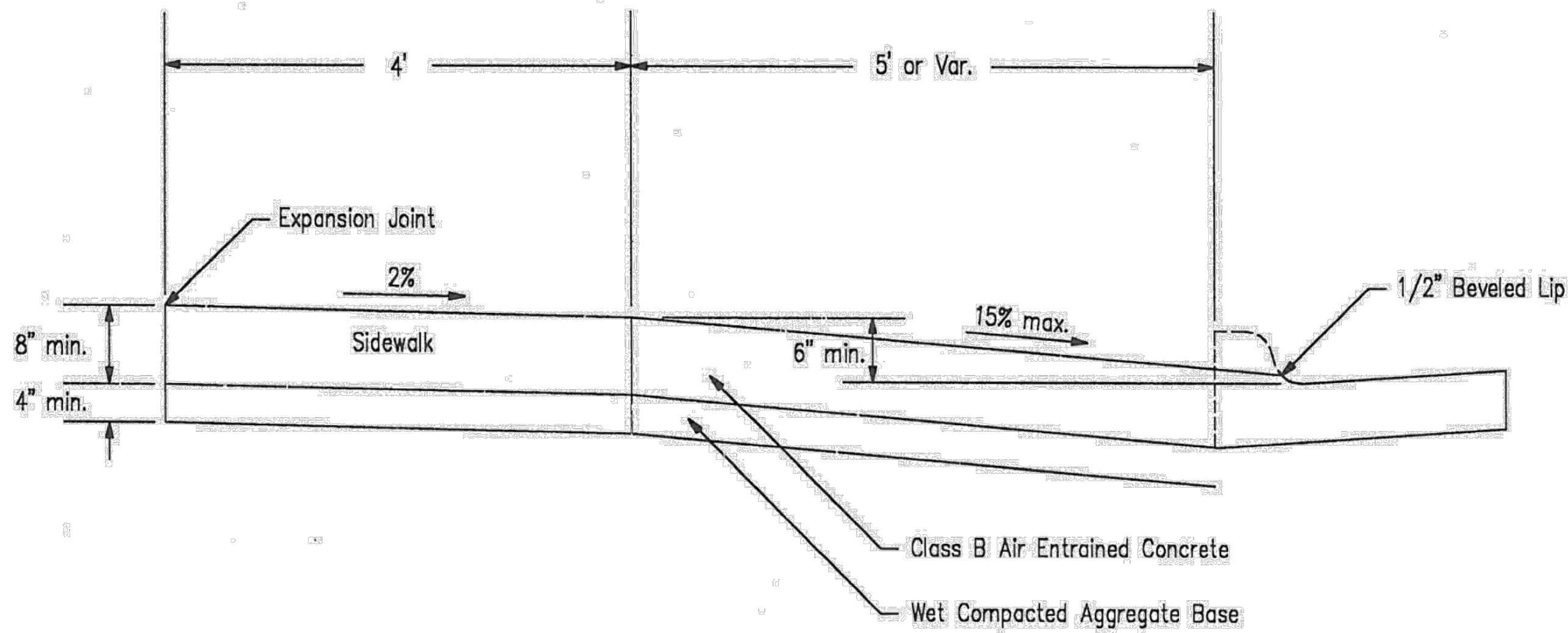
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PROJECT NO:	353-8861	APPROVED BY:	DRAFT

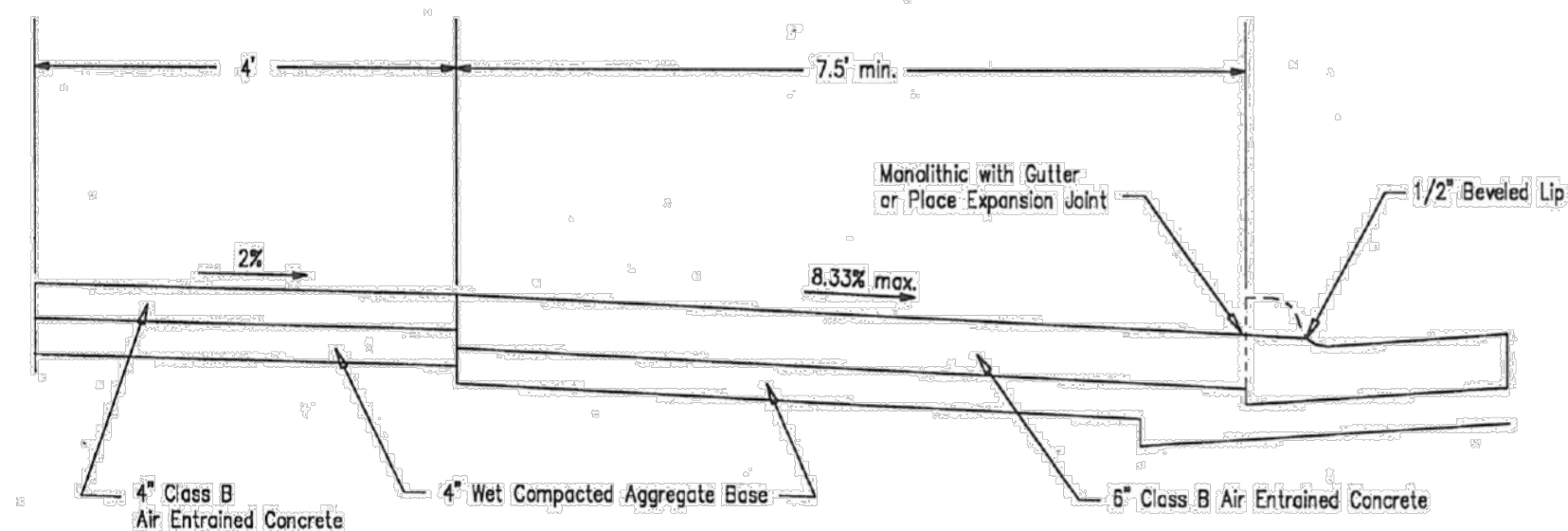
STATE OF MISSOURI
PROFESSIONAL ENGINEER
PATRICK TOOP
REGISTERED
08/02/2026

DRAWING NO: C802

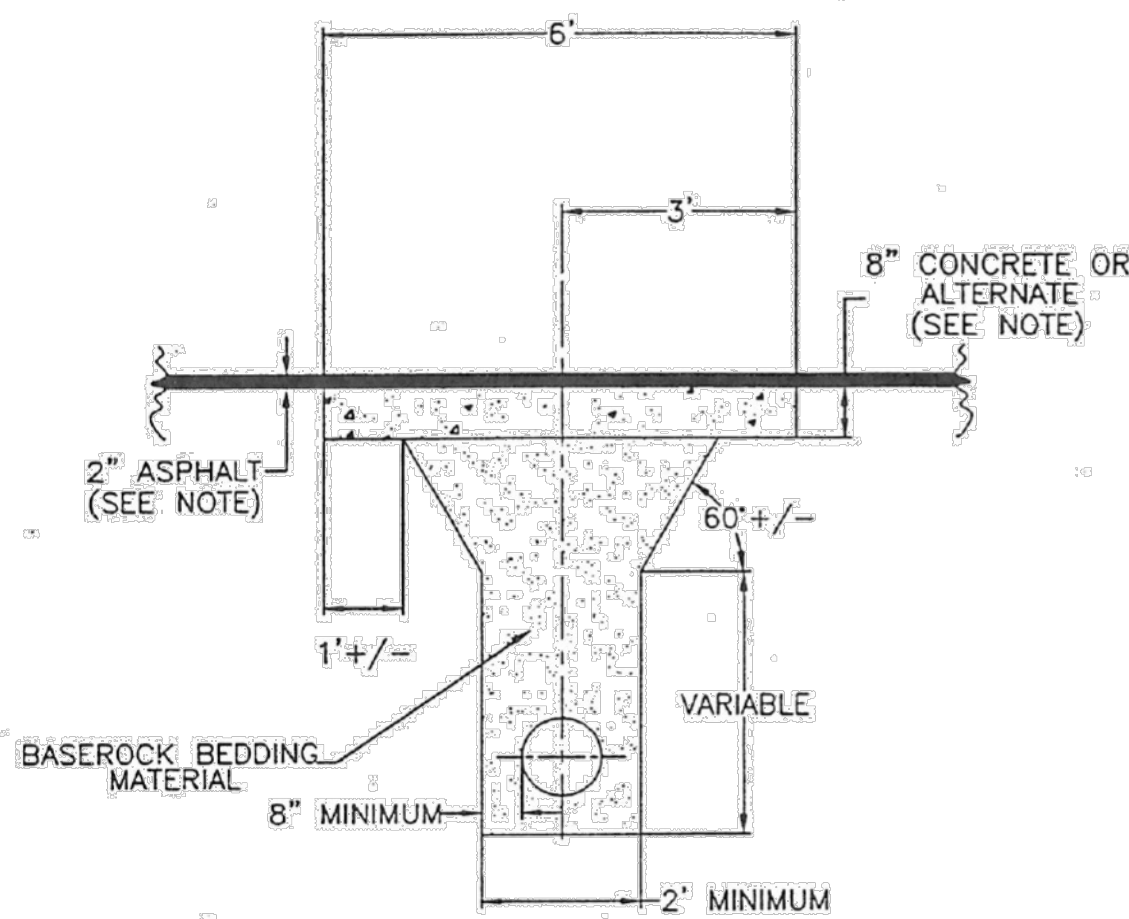
SHEET 16 OF 27



1 GREENE COUNTY COMMERCIAL DRIVEWAY SECTION
NOT TO SCALE



2 GREENE COUNTY CURB RAMP CROSS SECTION
NOT TO SCALE



NOTE: ALL MATERIAL AND PLACEMENT OF MATERIAL MUST MEET THE SPECIFICATIONS SET FORTH IN THE LATEST EDITION OF THE MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

ASPHALT: 2" MINIMUM HOT MIX ASPHALT LAYED LEVEL WITH EXISTING ROAD SURFACE.

CONCRETE: HIGH EARLY PAVING (CONCRETE BASE) ALTERNATE IS 10" BLACK BASE

BEDDING MATERIAL SHALL BE PLACED IN LIFTS AND COMPACTED PER COUNTY SPECIFICATIONS.

CONTRACTOR IS TO SAW CUT AND REPLACE WITH 8" OF CONCRETE (OR ALTERNATE) AND 2" OF NEW ASPHALT AS SPECIFIED.

IT IS MANDATORY THAT A GREENE COUNTY INSPECTOR BE NOTIFIED BEFORE CONCRETE IS PLACED AND AFTER COMPLETION OF JOB.

3 GREENE COUNTY HIGHWAY DEPARTMENT STREET CUT SPECIFICATIONS
NOT TO SCALE

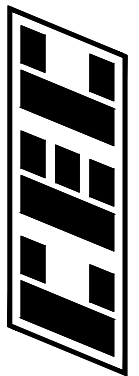
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DWG SCALE:	1"=20'	CHECKED BY:	353-866	DRAFT
PROJECT NO:	353-866	APPROVED BY:		

DRAWING NO: C803
SHEET 17 OF 27



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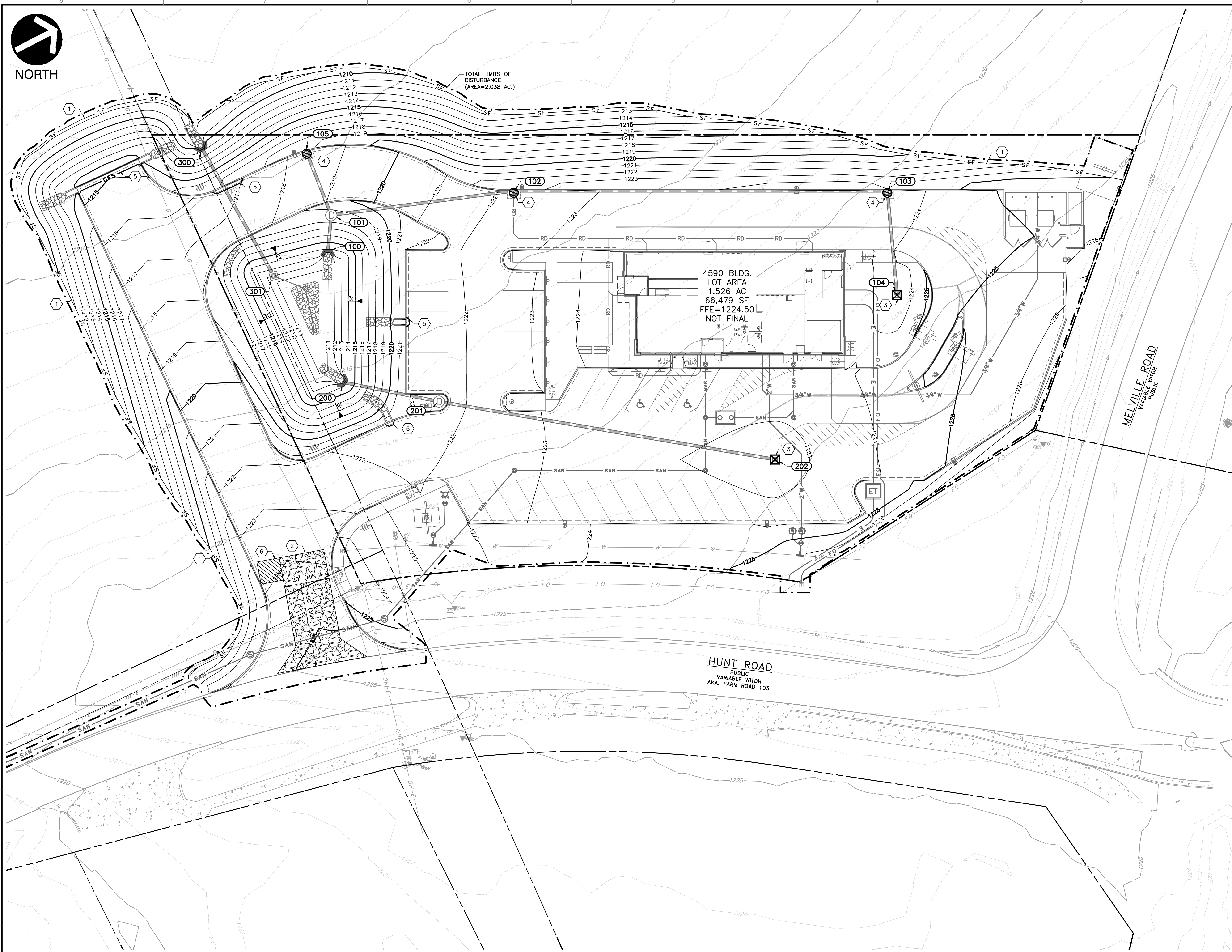
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NO	DATE	DESCRIPTION
1	07/29/2024	REVISION 1 - LAYOUT REVISIONS

ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECTURE IN THE STATE OF NORTH CAROLINA WILL BE PROVIDED BY CEC SURVEYING AND LANDSCAPE ARCHITECTS OF N.C., P.L.L.C. SERVICES IN PUERTO RICO WILL BE PROVIDED BY CEC SURVEYING AND LANDSCAPE ARCHITECTS OF P.R., P.L.L.C. SERVICES IN THE STATE OF OHIO WILL BE PROVIDED BY CEC LANDSCAPE ARCHITECTS, L.L.C.



NOTES
1. SEE SHEET C001 FOR GENERAL NOTES AND ABBREVIATIONS.
2. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.

LEGEND
EXISTING SUBJECT PROPERTY LINE
EXISTING ADJOINING PROPERTY LINE
EXISTING RIGHT OF WAY LINE
EXISTING EASEMENT
EXISTING INDEX (MAJOR) CONTOUR
EXISTING INTERMEDIATE (MINOR) CONTOUR
EXISTING CONCRETE
EXISTING SIGN
EXISTING TREE
EXISTING FENCE
EXISTING DITCH
EXISTING GAS LINE
EXISTING OVERHEAD WIRE
EXISTING COMMUNICATIONS LINE
EXISTING WATER LINE
EXISTING GAS LINE MARKER
EXISTING GUY WIRE/UTILITY POLE
EXISTING FIBER OPTIC BOX/MARKER
EXISTING TELEPHONE PEDESTAL/BOX
EXISTING WATER VALVE/WATER/HYDRANT
EXISTING WATER MANHOLE
PROPOSED DETENTION POND
PROPOSED STORM PIPE
PROPOSED ROOF DRAIN
PROPOSED 3/4" WATER LINE
PROPOSED 2" WATER LINE
PROPOSED 6" WATER LINE
PROPOSED SANITARY SEWER LINE
PROPOSED SANITARY FORCE MAIN
PROPOSED UNDERGROUND ELECTRIC LINE
PROPOSED FIBER OPTIC LINE
PROPOSED STORM STRUCTURES
PROPOSED RIPRAP
PROPOSED WATER VALVE/METER/HYDRANT
PROPOSED SANITARY CLEANOUT
PROPOSED GREASE TRAP
PROPOSED LIGHT POLE
PROPOSED TRANSFORMER
PROPOSED INDEX (MAJOR) CONTOUR
PROPOSED INTERMEDIATE (MINOR) CONTOUR
PROPOSED LIMITS OF DISTURBANCE
PROPOSED CONSTRUCTION EXIT
PROPOSED COMPOST FILTER SOCK
PROPOSED SILT FENCE
PROPOSED STANDARD INLET PROTECTION
PROPOSED CURB INLET PROTECTION

KEY NOTES
1. PROPOSED SILT FENCE. SEE DETAIL 1/C901.
2. PROPOSED CONSTRUCTION EXIT. SEE DETAIL 3/C901.
3. PROPOSED STANDARD INLET PROTECTION. SEE DETAIL 4/C901.
4. PROPOSED CURB INLET PROTECTION. SEE DETAIL 2/C901.
5. PROPOSED COMPOST FILTER SOCK. SEE DETAIL 5/C901.
6. PROPOSED CONCRETE WASHOUT FACILITY. SEE DETAIL 6/C901.

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL NOTES

1. WORK ON THIS SITE IS TO COMPLETE CONSTRUCTION OF A PROPOSED MCDONALD'S RESTAURANT BUILDING, A TRASH ENCLOSURE, LANDSCAPE ISLANDS, ASSOCIATED PAVING FOR PARKING AND SIDEWALKS, AND AN ABOVE GROUND DETENTION POND.
2. PROPOSED SITE IMPROVEMENTS INCLUDE PAVING, A BUILDING, AND UTILITIES FOR A MCDONALD'S RESTAURANT. THE PROPOSED EARTH DISTURBED AREA IS 2.038 ACRES. THE PRE-DEVELOPMENT CONDITIONS OF THE SITE IS AN UNDEVELOPED LOT. THE POST-DEVELOPMENT CONDITIONS OF THE SITE WILL BE A PROPOSED BUILDING, ASSOCIATED PARKING LOT, AND PROPOSED TRASH ENCLOSURE.
3. THE SITE IS LOCATED ALONG HUNT ROAD, AND MELVILLE ROAD. ACCORDING TO USDA NATURAL RESOURCE CONSERVATION, ON SITE SOILS CONSIST OF BONA GRAVELLY SILT LOAM 8 TO 15 PERCENT SLOPES WITH HYDROLOGIC SOIL GROUP C, WANDA SILT LOAM 2 TO 5 PERCENT SLOPES WITH HYDROLOGIC SOIL GROUP B, KEEN-BONA COMPLEX 2 TO 5 PERCENT SLOPES WITH HYDROLOGIC SOIL GROUP C, AND GASCONADE-GATEWOOD ROCK OUTCROP COMPLEX 3 TO 15 PERCENT SLOPES WITH HYDROLOGIC SOIL GROUP D.
4. ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE RATE MAP NO. 29077C191E (DATED 12/17/2010). THE SITE IS LOCATED IN FLOOD ZONE X (UNSHADED), AREAS DETERMINED TO BE OF MINIMAL FLOOD HAZARD.
5. THE SITE IS BOUNDED BY MELVILLE RD THE NORTH, HUNT RD TO THE EAST, UNDEVELOPED PROPERTY TO THE SOUTH, AND UNDEVELOPED PROPERTY TO THE WEST.
6. ON BEHALF OF THE OWNER/PERMITTEE, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
7. SOIL RELEASED OR LOST DUE TO CONTAMINANT FAILURE SHALL BE IMMEDIATELY CLEANED UP AND DISPOSED OF IN AN APPROVED MANNER. DAMAGED BMP'S WILL BE REPLACED AND BMP DEFICIENCIES WILL BE REPAIRED UPON INSPECTION.
8. THE CONTRACTOR SHALL MODIFY THE SWPPP AS REQUIRED TO INCLUDE PERMIT COVERAGE DOCUMENTATION FOR OFF-SITE BORROW, FILL, MATERIAL STORAGE SITES, OR INFORMATION RELATIVE TO HAUL ROUTES, TRUCKS AND EQUIPMENT OR DEWATERING METHODS WHICH ARE USED FOR THIS PROJECT IN ACCORDANCE WITH STATE AND/OR LOCAL JURISDICTIONAL ENTITY REGULATIONS.
9. SOIL SEDIMENT AND EROSION BEST MANAGEMENT PRACTICE (BMP) MEASURES WILL BE INSTALLED PRIOR TO START OF ANY CONSTRUCTION AND WILL BE MAINTAINED AT ALL TIMES UNTIL CONSTRUCTION HAS BEEN COMPLETED, INCLUDING ALL GRASS BEING WELL ESTABLISHED AND/OR PERMANENT EROSION AND SEDIMENTATION BMP MEASURES ARE IN PLACE. ALL BMP MEASURES WILL BE INSTALLED TO THE SATISFACTION OF AUTHORITIES HAVING JURISDICTION.
10. THE CONTRACTOR IS TO DESIGNATE A SITE DUMP/WASH AREA PRIOR TO STARTING CONSTRUCTION FOR SUCH PURPOSES AS WASHING OUT CONCRETE TRUCKS AND DUMPING NON-HAZARDOUS WASTE MATERIALS. DUMPING OR DISCHARGE OF ANY WASTE MATERIALS TO ANY SEWERS IS PROHIBITED. HAZARDOUS WASTES ARE TO BE REMOVED OFF SITE AND PROPERLY DISPOSED OF CONSISTENT WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
11. LIMITS OF EARTH DISTURBING ACTIVITY ARE INDICATED IN THE SITE PLAN AND ARE CONTAINED ON THE SITE. IF REQUIRED, CONTRACTOR SHALL LOCATE VEHICLE FUELING AREAS AWAY FROM STORM WATER DRAINAGE FEATURES AND MARK ALL OF THE SIDEWALKS AND DRIVEWAYS WITH CONSTRUCTION DEBRIS OFF SITE. MINIMIZE DUST ON SITE BY SPRAYING WATER ON DRY AREAS OF THE SITE. THE USE OF PETROLEUM-BASED OR OTHER TOXIC LIQUIDS FOR DUST SUPPRESSION IS PROHIBITED.
12. THE CONTRACTOR SHALL POST AND MAINTAIN SIGN(S) AT A MINIMUM OF ONE (1) CONSTRUCTION ENTRANCE/EXIT LOCATION DESIGNATED BY THE CONTRACTOR, WHERE PROJECT MEETS PAVED COUNTY, STATE, OR FEDERAL HIGHWAYS/ROADS, AND/OR AT OTHER EASILY ACCESSIBLE LOCATION(S) TO ADEQUATELY IDENTIFY THE SITE PRIOR TO COMMENCEMENT OF AND DURING CONSTRUCTION UNTIL REGISTRATION IS PROPERLY TERMINATED. SUCH SIGN SHALL DISPLAY A COPY(IES) OF A COMPLETED APPLICATION(S) FOR PERMIT COVERAGE, NOTICE(S) OF COVERAGE NOTIFYING THE APPLICANT THAT COVERAGE UNDER THE APPLICABLE PERMIT(S) HAS BEEN OBTAINED, THE LOCATION OF THE SWPPP, THE NAME AND PHONE NUMBER OF A CONTACT PERSON RESPONSIBLE FOR SCHEDULING SWPPP VIEWING TIMES AND ANY OTHER STATE OR LOCAL REQUIREMENTS.
13. THE CONTRACTOR SHALL PROVIDE TEMPORARY SANITATION FACILITIES FOR WORKERS AND MAINTAIN FACILITIES DAILY. TRASH CONTAINERS SHALL BE EMPTIED DAILY, OR WHEN FULL. STORE CHEMICALS, PAINTS, SOLVENTS, LUBRICANTS, FERTILIZERS AND OTHER TOXIC MATERIALS IN WEATHERPROOF CONTAINERS. DUMPING OR DISCHARGE OF ANY WASTE MATERIALS TO ANY SEWERS IS PROHIBITED. HAZARDOUS WASTES ARE TO BE REMOVED OFF SITE AND PROPERLY DISPOSED OF CONSISTENT WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
14. THE CONTRACTOR SHALL PREPARE, IMPLEMENT, AND MAINTAIN A SPILL PREVENTION, CONTROL, AND COUNTERMEASURES (SPCC) PLAN, AS A SEPARATE DOCUMENT OR AS A COMPONENT OF THE SWPPP, FOR ALL TANKS/CONTAINERS STORING ONSITE FUEL, CHEMICALS, OR OTHER POLLUTANTS CONSISTENT WITH THE REQUIREMENTS OF STATE ENVIRONMENTAL PROTECTION AGENCY NPDES RULES. EFFECTIVE MEASURES NECESSARY TO PREVENT SPILLS AND TO CLEAN UP SPILLS OF ANY TOXIC POLLUTANT, AS DOCUMENTED IN THE FACILITY'S SPCC PLAN, SHALL BE FULLY IMPLEMENTED. SOIL CONTAMINATED BY HAZARDOUS SUBSTANCES, PAINTS, FUEL, OR CHEMICAL SPILLS, SHALL BE IMMEDIATELY CLEANED-UP, MANAGED, AND DISPOSED OF IN AN APPROVED MANNER. WHERE POTENTIAL SPILLS CAN OCCUR, MATERIALS HANDLING PROCEDURES SHALL BE SPECIFIED AND PROCEDURES FOR IMMEDIATE CLEANUP/REMEDIATION OF SPILLS SHALL BE DESCRIBED IN THE SPCC PLAN OR EMPLOYEE TRAINING PLANS. THE EQUIPMENT NECESSARY TO IMPLEMENT A CLEANUP SHALL BE MADE AVAILABLE TO FACILITY PERSONNEL. THE PERMITTEE SHALL IMMEDIATELY NOTIFY THE DESIGNATED STATE AND LOCAL GOVERNMENT AGENCIES AFTER BECOMING AWARE OF A VISIBLE OIL SHEEN IN STORM WATER RUNOFF FROM ITS FACILITY OR IN A WATER OF THE STATE IN THE PROJECT VICINITY AS A RESULT OF ACTIVITIES AT THE SITE. THE CALLER SHOULD BE PREPARED TO REPORT THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE PERSON REPORTING SPILL, THE EXACT LOCATION OF THE SPILL, COMPANY NAME AND LOCATION, THE MATERIAL SPILLED, THE ESTIMATED QUANTITY, THE SOURCE OF THE SPILL, THE CAUSE OF THE SPILL, THE NEAREST DOWNSTREAM WATER WITH THE POTENTIAL TO RECEIVE THE SPILL, AND THE ACTIONS BEING TAKEN FOR CONTAMINANT AND CLEANUP. PETROLEUM PRODUCT SPILLS OF 25 GALLONS OR MORE SHALL BE IMMEDIATELY REPORTED TO THE MISSOURI DEPARTMENT OF NATURAL RESOURCES (800-361-4827) AND THE LOCAL FIRE DEPARTMENT (636-528-8567). ALL RELEASES OF HAZARDOUS SUBSTANCES TO THE ENVIRONMENT MUST BE HANDLED PURSUANT TO APPLICABLE LAWS. ALL SPILLS THAT RESULT IN CONTACT WITH WATER OF THE STATE MUST BE REPORTED TO THE FLORIDA EPA. ENVIRONMENTAL REGULATIONS REQUIRE THAT ALL RELEASES OF HAZARDOUS SUBSTANCES EXCEEDING REPORTABLE QUANTITIES BE REPORTED TO THE NATIONAL RESPONSE CENTER (800-424-8802). MAKE SURE TO REPORT THESE ITEMS WITHIN 15 MINUTES OF IDENTIFICATION.
15. PRIOR TO ANY EXCAVATION FOR UNDERGROUND UTILITIES, CONTRACTOR SHALL EXPOSE AND VERIFY LOCATIONS (HORIZONTAL AND VERTICAL) OF ALL EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO GAS, WATER, AND SANITARY SEWER. ANY CONFLICTS SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER AND THE APPROPRIATE AUTHORITIES.
16. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED IN THE FIELD BY THE INSPECTOR.
17. ALL EXPOSED AREAS SHALL BE SEEDED AND MULCHED OR OTHERWISE STABILIZED WITHIN 14 CALENDAR DAYS OF FINAL GRADING. SHOULD SOIL DISTURBING ACTIVITIES CEASE IN AN AREA FOR 14 CALENDAR DAYS OR MORE, CONTRACTOR SHALL TEMPORARILY SEED THE AREA OR IMPLEMENT OTHER BEST MANAGEMENT PRACTICES TO ESTABLISH INTERIM STABILIZATION, FOR AREAS EXPECTED TO REMAIN DORMANT FOR 14 DAYS OR MORE, INCLUDING OVER WINTER, APPLY TEMPORARY SEEDING AND MULCHING TO EXPOSED SOIL WITHIN 7 DAYS AFTER END OF WORK IN THE AREA.
18. STORM WATER FROM THIS SITE DISCHARGES TO A PROPOSED STORM SEWER THAT THEN DRAINS TO A PROPOSED UNDERGROUND DETENTION SYSTEM ON THE NORTHEAST SIDE OF THE SITE. ONCE THE SYSTEM FILLS, THE STORM SYSTEM OUTLETS VIA A LEVEL SPREADER TO SYCAMORE BLVD.
19. ALL DEMOLITION WASTE AND CONSTRUCTION DEBRIS HALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED AND SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE IN A STATE APPROVED WASTE SITE AND IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
20. ALL CONTAMINATED SOIL MUST BE TREATED AND/OR DISPOSED IN MISSOURI DEPARTMENT OF NATURAL RESOURCES APPROVED SOLID WASTE MANAGEMENT FACILITY.

CONSTRUCTION SITE INSPECTION AND MAINTENANCE NOTES

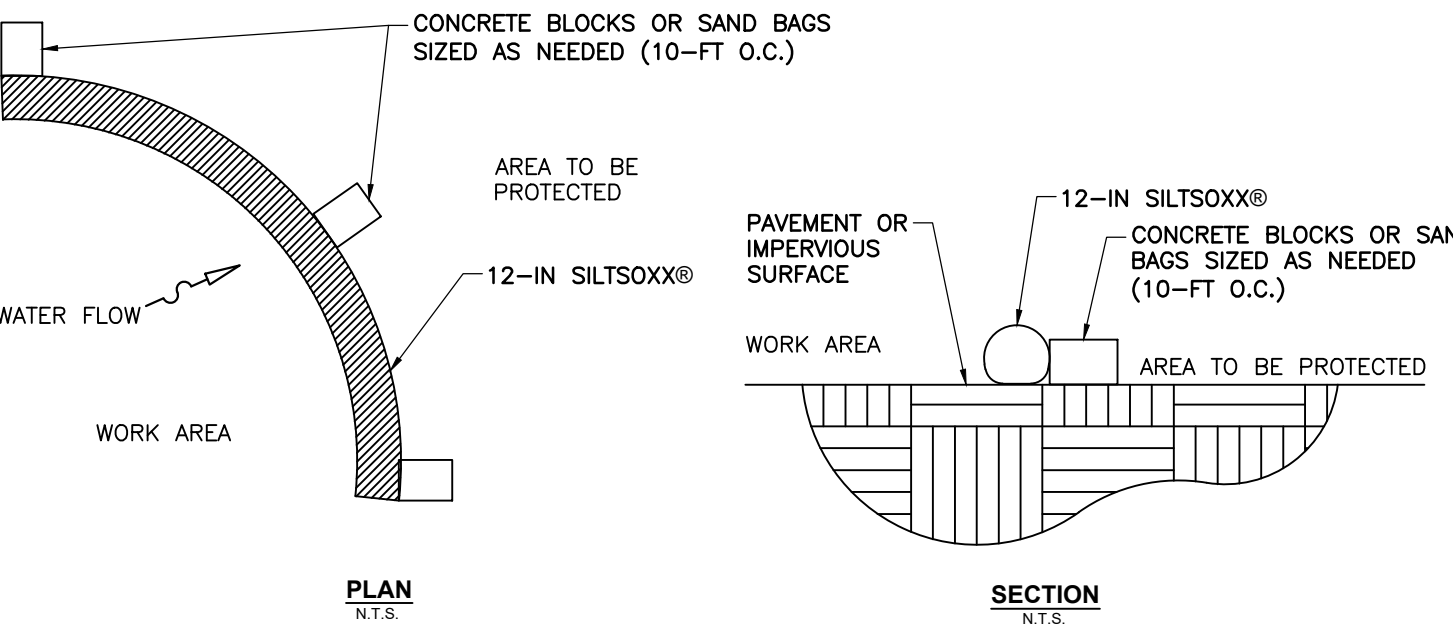
1. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS (WEEKLY) AND WITHIN 24 HOURS OF A RAINFALL EXCEEDING 0.5 INCHES DURING A 24-HOUR PERIOD. ALL MAINTENANCE REQUIRED BY INSPECTION SHALL COMMENCE WITHIN 24 HOURS AND BE COMPLETED WITHIN 48 HOURS OF REPORT.
2. CONSTRUCTION ENTRANCE(S): REMOVE LARGE CHUNKS OF MUD OR CAKED SOIL FROM CONSTRUCTION ENTRANCE DAILY TO MINIMIZE SEDIMENT BUILDUP. INSPECT STONE PAD AND SEDIMENT DISPOSAL AREA WEEKLY AND AFTER STORM EVENTS OR HEAVY USE. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. TOP-DRESS WITH CLEAN SPECIFIED STONE AS NEEDED TO MAINTAIN EFFECTIVENESS. IMMEDIATELY REMOVE MUD OR SEDIMENT TRACKED OR WASHED ONTO ADJACENT PUBLIC OR PRIVATE ROADS OR DRIVES. REPAIR ANY BROKEN ROAD PAVEMENT IMMEDIATELY. REMOVE UNNEEDED CONSTRUCTION ENTRANCE MATERIALS FROM AREAS WHERE PERMANENT VEGETATION WILL BE ESTABLISHED. CLEAN ROADS AND DRIVES AT LEAST ONCE WEEKLY.
3. TEMPORARY SEEDING: RESEEDING - INSPECT SEEDINGS WEEKLY UNTIL A STAND IS ESTABLISHED AND THEREAFTER AT LEAST MONTHLY FOR STAND SURVIVAL AND VIGOR. ERODED AREAS SHOULD BE ADDRESSED APPROPRIATELY BY FILLING AND/OR SMOOTHING, AND REAPPLICATION OF LIME, FERTILIZER, SEED AND MULCH. FERTILIZING - SATISFACTORY ESTABLISHMENT MAY REQUIRE SOIL TESTING AND REFERTILIZING THE STAND, ESPECIALLY IF THE PLANTING IS MADE EARLY IN THE PLANTING SEASON. FOLLOW SOIL TEST RECOMMENDATIONS OR THE SPECIFICATIONS PROVIDED TO ESTABLISH THE PLANTING. MOWING - TEMPORARY PLANTINGS MAY BE MOWED AND BALED OR SIMPLY MOWED TO COMPLEMENT THE USE OF THE SITE.
4. FABRIC DROP INLET PROTECTION: INSPECT FABRIC BARRIER AFTER EACH STORM EVENT AND MAKE NEEDED REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE POOL AREA WHEN THE CAPACITY IS REDUCED 50% BY THE DEPOSITS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE FABRIC DURING THE SEDIMENT REMOVAL.
5. SILT FENCES: INSPECT SILT FENCES AT LEAST ONCE A WEEK AND AFTER EACH STORM EVENT. MAKE REQUIRED REPAIRS IMMEDIATELY. SHOULD THE FABRIC OF SILT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY. REMOVE SEDIMENT DEPOSITS WHEN THEY REACH A DEPTH OF 1/2 THE HEIGHT OF THE FENCE.
6. STORM SEWER SYSTEM: INSPECT THE STORM SEWER SYSTEM AFTER EACH STORM EVENT AND AT LEAST ONCE WEEKLY. REMOVE AND PROPERLY DISPOSE OF SEDIMENT TO MAINTAIN FULL FLOW IN STORM SEWER PIPING.
7. ALL SITE INSPECTIONS SHALL BE PERFORMED BY QUALIFIED INSPECTOR, THE INSPECTOR SHALL PROVIDE DOCUMENTATION AFTER EACH INSPECTION TO INCLUDE, AT A MINIMUM, THE FOLLOWING: INSPECTION DATE AND TIME; NAMES, TITLES AND QUALIFICATIONS OF THE INSPECTOR; WEATHER FOR THE PERIOD SINCE THE LAST INSPECTION; WEATHER AND DISCHARGES AT THE TIME OF THE INSPECTION; LOCATIONS OF DISCHARGES AND SEDIMENT OR OTHER POLLUTANTS FROM THE SITE; LOCATIONS OF BMPs THAT NEED TO BE MAINTAINED, THAT FAILED TO OPERATE AS DESIGNED OR FAILED TO PROVIDE ADEQUATE PROTECTION, ADDITIONAL WHERE BMPs AREA NEEDED, AND THE CORRECTIVE ACTIONS TO BE IMPLEMENTED INCLUDING ANY NECESSARY PLAN CHANGES AND IMPLEMENTATION DATES. INSPECTION REPORTS SHALL BE SIGNED AND DATED BY THE INSPECTOR AND KEPT ON FILE AT THE SITE. INSPECTION RECORDS SHALL BE KEPT ON FILE FOR A MINIMUM OF THREE (3) YEARS AFTER NOTICE OF TERMINATION.
8. BMPs THAT REQUIRE REPAIR OR MAINTENANCE SHALL BE REPAIRED WITHIN THREE (3) DAYS OF INSPECTION. SEDIMENT PONDS REQUIRING REPAIR OR MAINTENANCE SHALL BE REPAIRED OR CLEANED OUT WITHIN TEN (10) DAYS OF THE INSPECTION.
9. BMPs NOT MEETING THE INTENDED FUNCTION SHALL BE REPLACED WITH A SUITABLE BMP WITHIN TEN (10) DAYS OF THE INSPECTION.
10. MISSING BMPs SHALL BE INSTALLED WITHIN TEN (10) DAYS OF INSPECTION.

SEQUENCE OF CONSTRUCTION

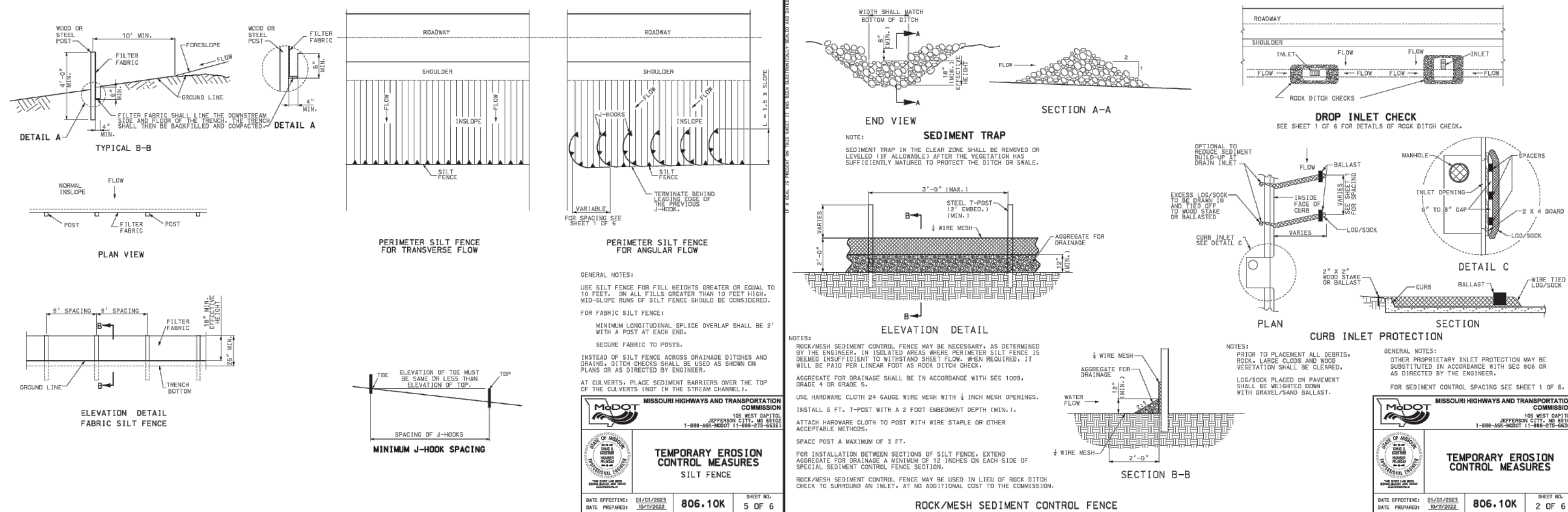
UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAY DOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, MASON'S AREA, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC. IMMEDIATELY DENOTE THEM ON THE SITE MAP AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS.

1. ESTABLISH CONSTRUCTION ENTRANCE/EXIT AND SWPPP ENTRANCE SIGN.
2. CONSTRUCT THE PERIMETER AND STORM SEWER EROSION CONTROL MEASURES ON THE SITE.
3. PREPARE TEMPORARY PARKING AND STORAGE AREA INCLUDING DESIGNATED LOCATIONS FOR DUMPSTERS, SANITARY WASTE UNITS, AND CONCRETE WASHOUT AREA AND MARK ON SITE MAP.
4. FINAL GRADE BUILDING PAD AND PARKING/LANDSCAPE AREAS. PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE.
5. INSTALL UTILITIES, STORM SEWERS, AND CURBS.
6. INSTALL INLET PROTECTION AROUND ALL STORM SEWER STRUCTURES AS THEY ARE INSTALLED.
7. PREPARE SITE FOR PAVING. REMOVE INLET PROTECTION NO MORE THAN 48 HOURS PRIOR TO PLACING STABILIZED BASE COURSE.
8. PAVE SITE.
9. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES (ONLY IF SITE IS STABILIZED).
10. CONTINUE DAILY INSPECTION REPORTS UNTIL THE FINAL DAILY INSPECTION IS SIGNED OFF BY THE CONSTRUCTION MANAGER THAT THE SITE IS FULLY STABILIZED AND THE PERMIT MAY BE TERMINATED.
11. FILE NOTICE OF TERMINATION AS REQUIRED BY AUTHORITY HAVING JURISDICTION.

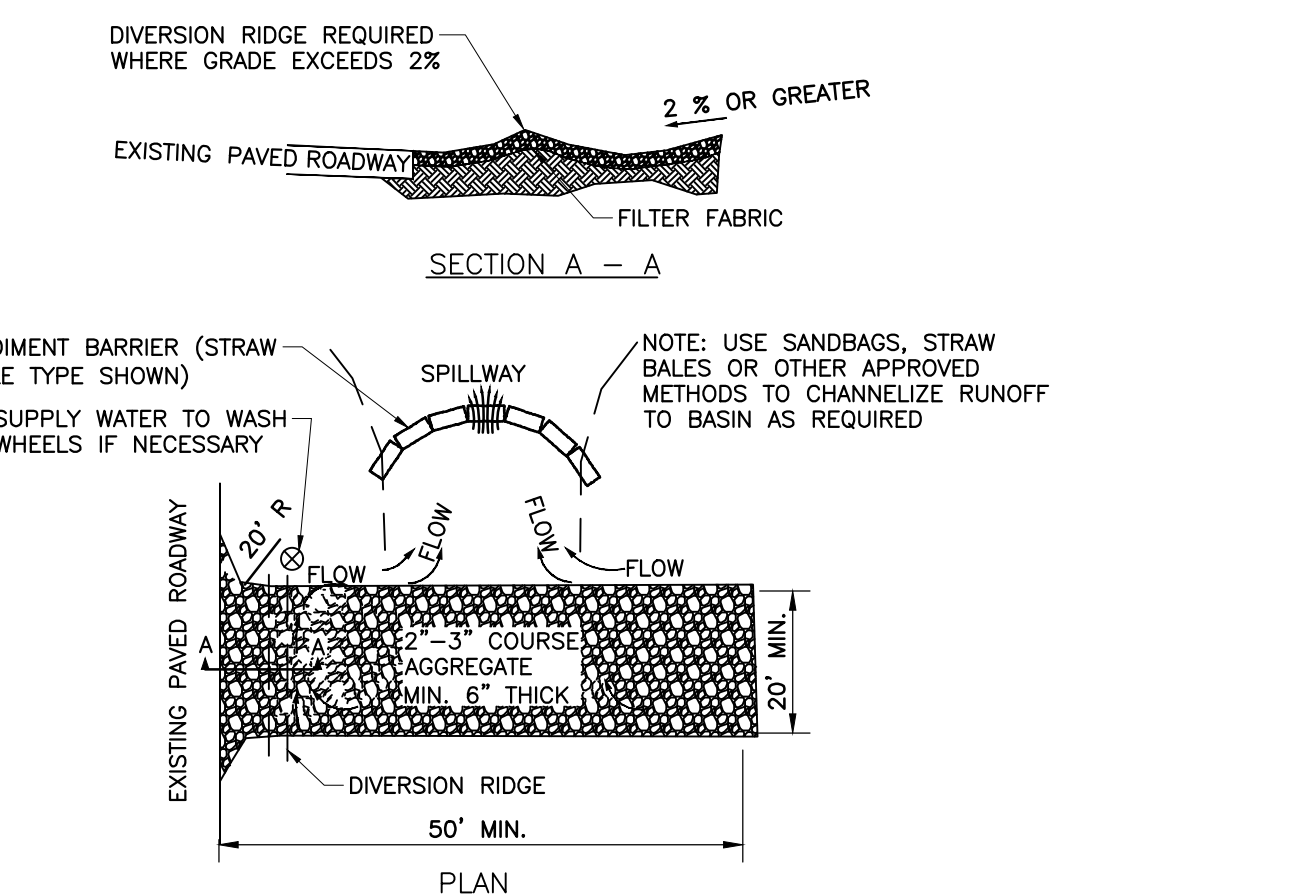
NOTE: THE GENERAL CONTRACTOR MAY COMPLETE CONSTRUCTION-RELATED ACTIVITIES CONCURRENTLY ONLY IF ALL PRECEDING BMPs HAVE BEEN COMPLETELY INSTALLED. BMP-RELATED STEPS IN THE ABOVE SEQUENCE ARE ITALICIZED FOR CLARITY.



NOTE: PRIOR TO ANY EXCAVATION FOR UNDERGROUND UTILITIES, CONTRACTOR SHALL EXPOSE AND VERIFY LOCATIONS (HORIZONTAL AND VERTICAL) OF ALL EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO GAS, WATER, AND SANITARY SEWER. ANY CONFLICTS SHALL BE REPORTED, IMMEDIATELY, TO THE ENGINEER AND THE APPROPRIATE AUTHORITIES.

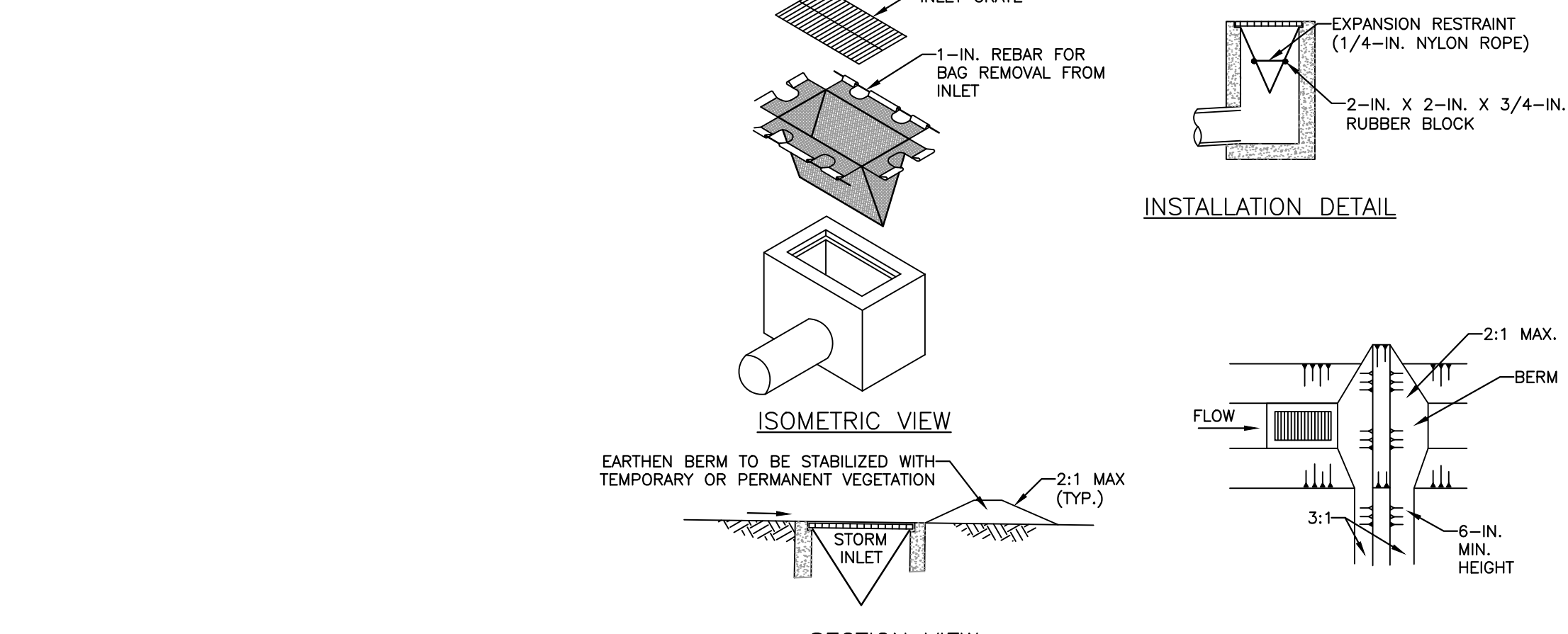


1 MODOT SILT FENCE DETAIL
C901 NOT TO SCALE

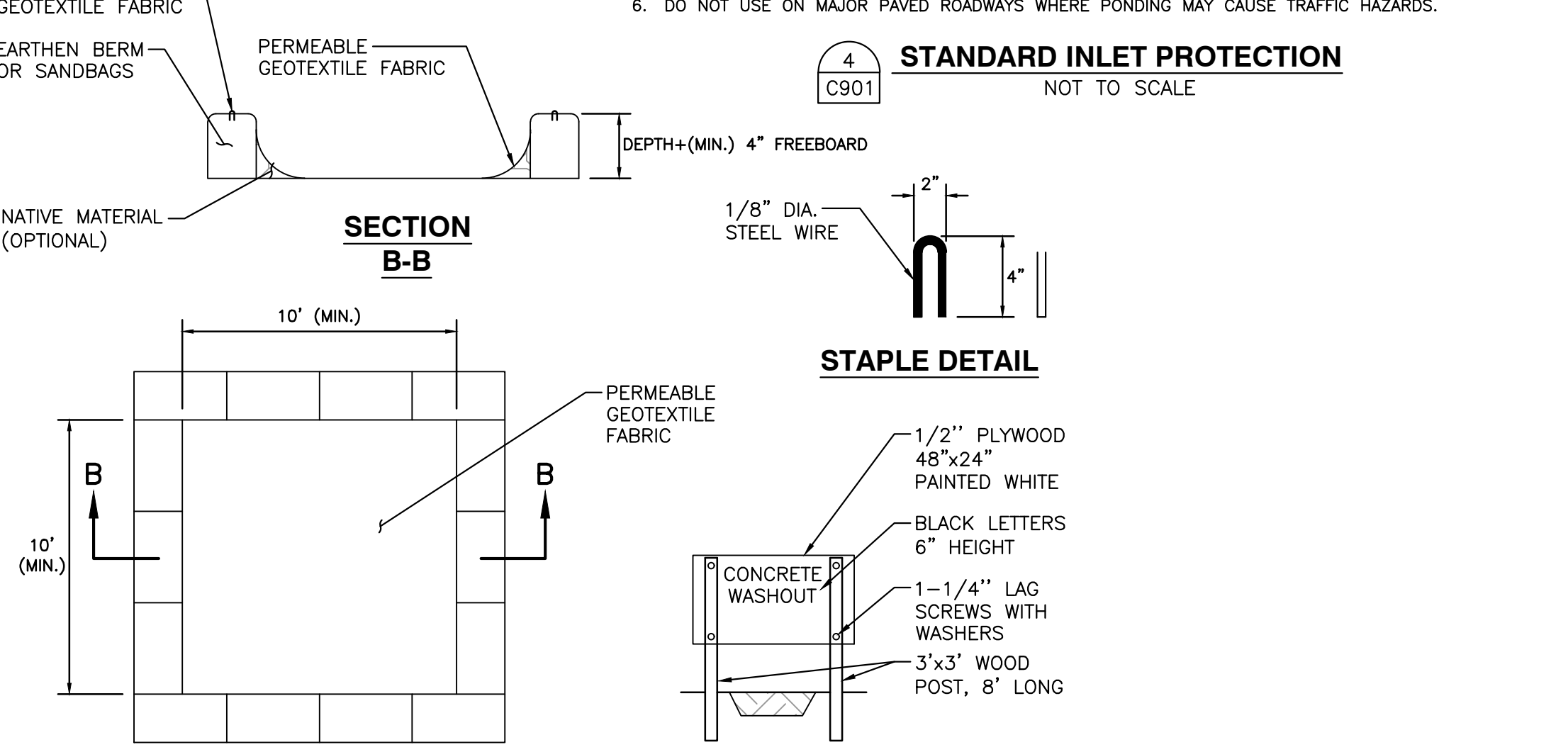


3 STABILIZED CONSTRUCTION EXIT DETAIL
C901 NOT TO SCALE

2 MODOT CURB INLET PROTECTION
C901 NOT TO SCALE



4 STANDARD INLET PROTECTION
C901 NOT TO SCALE



5 COMPOST FILTER SOCK
C901 NOT TO SCALE

6 CONCRETE WASHOUT FACILITY DETAIL
C901 NOT TO SCALE

REVISION RECORD		DESCRIPTION
NO.	DATE	REVISION / LAYOUT REASONS
1	02/29/2024	

10300 Alliance Road
Suite 300
Cincinnati, OH 45242
Ph: 513.985.0226
www.cccinc.com

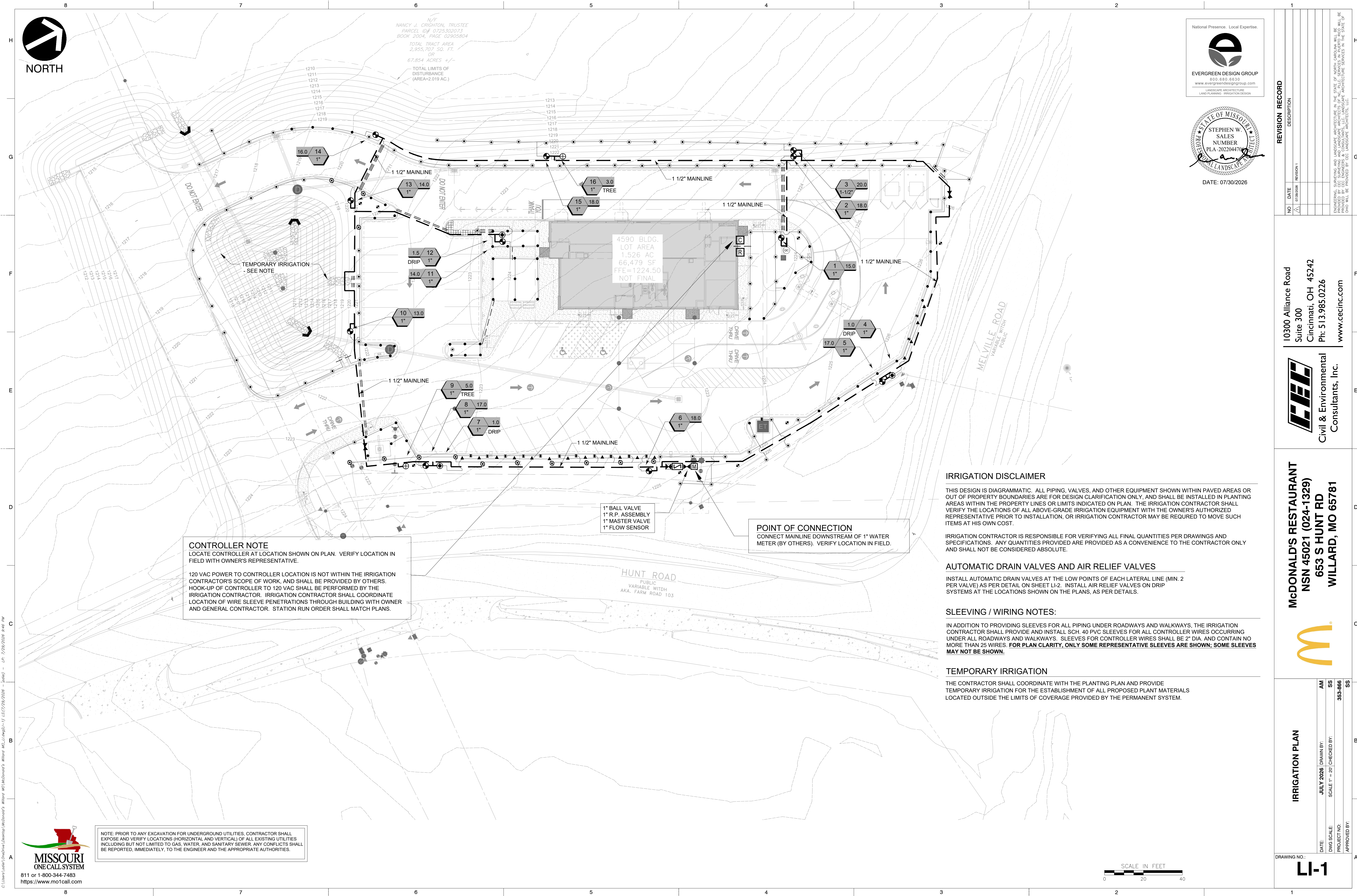
Civil & Environmental Consultants, Inc.

MCDONALD'S RESTAURANT
NSN 45021 (024-1329)
653 S HUNT RD
WILLARD, MO 65781

EROSION & SEDIMENT CONTROL NOTES & DETAILS

DATE: JUNE 2025
DRAWN BY: AS SHOWN
CHECKED BY: 353-866
PROJECT NO: 353-866
APPROVED BY: DRAFT

DRAWING NO: C901
SHEET 19 OF 27



CONTROLLER NOTE
LOCATE CONTROLLER AT LOCATION SHOWN ON PLAN. VERIFY LOCATION IN FIELD WITH OWNER'S REPRESENTATIVE.

120 VAC POWER TO CONTROLLER LOCATION IS NOT WITHIN THE IRRIGATION CONTRACTOR'S SCOPE OF WORK, AND SHALL BE PROVIDED BY OTHERS. HOOK-UP OF CONTROLLER TO 120 VAC SHALL BE PERFORMED BY THE IRRIGATION CONTRACTOR. IRRIGATION CONTRACTOR SHALL COORDINATE LOCATION OF WIRE SLEEVE PENETRATIONS THROUGH BUILDING WITH OWNER AND GENERAL CONTRACTOR. STATION RUN ORDER SHALL MATCH PLANS.

POINT OF CONNECTION
CONNECT MAINLINE DOWNSTREAM OF 1" WATER METER (BY OTHERS). VERIFY LOCATION IN FIELD.

IRRIGATION DISCLAIMER

THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, AND OTHER EQUIPMENT SHOWN WITHIN PAVED AREAS OR OUT OF PROPERTY BOUNDARIES ARE FOR DESIGN CLARIFICATION ONLY, AND SHALL BE INSTALLED IN PLANTING AREAS WITHIN THE PROPERTY LINES OR LIMITS INDICATED ON PLAN. THE IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL ABOVE-GRADE IRRIGATION EQUIPMENT WITH THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION, OR IRRIGATION CONTRACTOR MAY BE REQUIRED TO MOVE SUCH ITEMS AT HIS OWN COST.

IRRIGATION CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL FINAL QUANTITIES PER DRAWINGS AND SPECIFICATIONS. ANY QUANTITIES PROVIDED ARE PROVIDED AS A CONVENIENCE TO THE CONTRACTOR ONLY AND SHALL NOT BE CONSIDERED ABSOLUTE.

AUTOMATIC DRAIN VALVES AND AIR RELIEF VALVES

INSTALL AUTOMATIC DRAIN VALVES AT THE LOW POINTS OF EACH LATERAL LINE (MIN. 2 PER VALVE) AS PER DETAIL ON SHEET LI-2. INSTALL AIR RELIEF VALVES ON DRIP SYSTEMS AT THE LOCATIONS SHOWN ON THE PLANS, AS PER DETAILS.

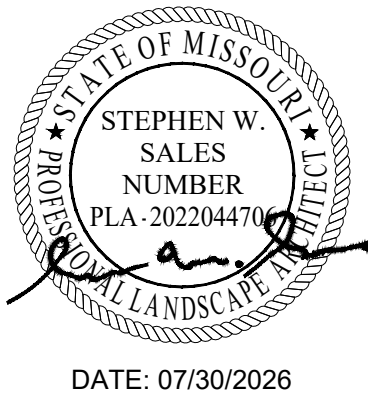
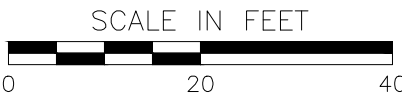
SLEEVING / WIRING NOTES:

IN ADDITION TO PROVIDING SLEEVES FOR ALL PIPING UNDER ROADWAYS AND WALKWAYS, THE IRRIGATION CONTRACTOR SHALL PROVIDE AND INSTALL SCH. 40 PVC SLEEVES FOR ALL CONTROLLER WIRES OCCURRING UNDER ALL ROADWAYS AND WALKWAYS. SLEEVES FOR CONTROLLER WIRES SHALL BE 2" DIA. AND CONTAIN NO MORE THAN 25 WIRES. **FOR PLAN CLARITY, ONLY SOME REPRESENTATIVE SLEEVES ARE SHOWN; SOME SLEEVES MAY NOT BE SHOWN.**

TEMPORARY IRRIGATION

THE CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN AND PROVIDE TEMPORARY IRRIGATION FOR THE ESTABLISHMENT OF ALL PROPOSED PLANT MATERIALS LOCATED OUTSIDE THE LIMITS OF COVERAGE PROVIDED BY THE PERMANENT SYSTEM.

NOTE: PRIOR TO ANY EXCAVATION FOR UNDERGROUND UTILITIES, CONTRACTOR SHALL EXPOSE AND VERIFY LOCATIONS (HORIZONTAL AND VERTICAL) OF ALL EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO GAS, WATER, AND SANITARY SEWER. ANY CONFLICTS SHALL BE REPORTED, IMMEDIATELY, TO THE ENGINEER AND THE APPROPRIATE AUTHORITIES.



IRRIGATION PLAN

DRAWING NO.: LI-1

DATE: JULY 2026
DWG SCALE: 1" = 20'

DRAWN BY: AM
CHECKED BY: SS
PROJECT NO: 353-966
APPROVED BY: SS

McDonald's RESTAURANT
NSN 45021 (024-1329)
653 S HUNT RD
WILLARD, MO 65781

10300 Alliance Road
Suite 300
Cincinnati, OH 45242
Ph: 513.985.0226
www.cecinc.com

Civil & Environmental
Consultants, Inc.

REVISION RECORD

NO.	DATE	DESCRIPTION
1	07/29/2026	REVISION 1

EVERGREEN DESIGN GROUP

800.680.6630
www.evergreendesigngroup.com
LANDSCAPE ARCHITECTURE
LAND PLANNING - IRRIGATION DESIGN

STATE OF MISSOURI
STEPHEN W. SALES
NUMBER
PLA-202204470
PROFESSIONAL LANDSCAPE ARCHITECT

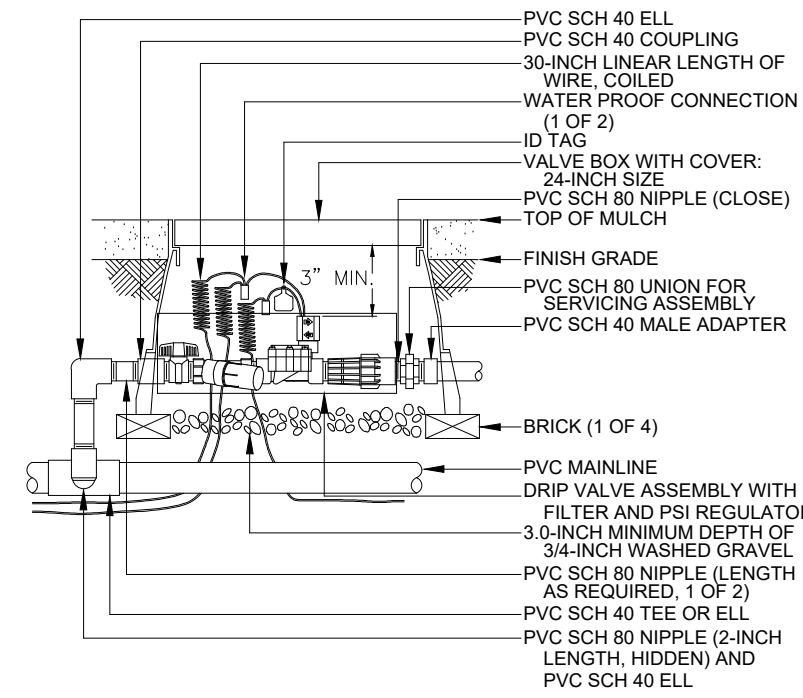
DATE: 07/30/2026

ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECTURE IN THE STATE OF NORTH CAROLINA WILL BE PROVIDED BY CEC SURVEYING AND LANDSCAPE ARCHITECTS OF NC, P.L.C. SERVICES IN PUERTO RICO WILL BE PROVIDED BY CEC SURVEYING AND LANDSCAPE ARCHITECTS OF PR, P.L.C. LANDSCAPE ARCHITECTURE SERVICES IN THE STATE OF OHIO WILL BE PROVIDED BY CEC LANDSCAPE ARCHITECTS, LLC.

C:\Users\jordan\OneDrive\Desktop\McDonald's Willard MO\Li-1.dwg (1/29/2026 - 1:15 PM) - L1-1/29/2026 1:46 PM

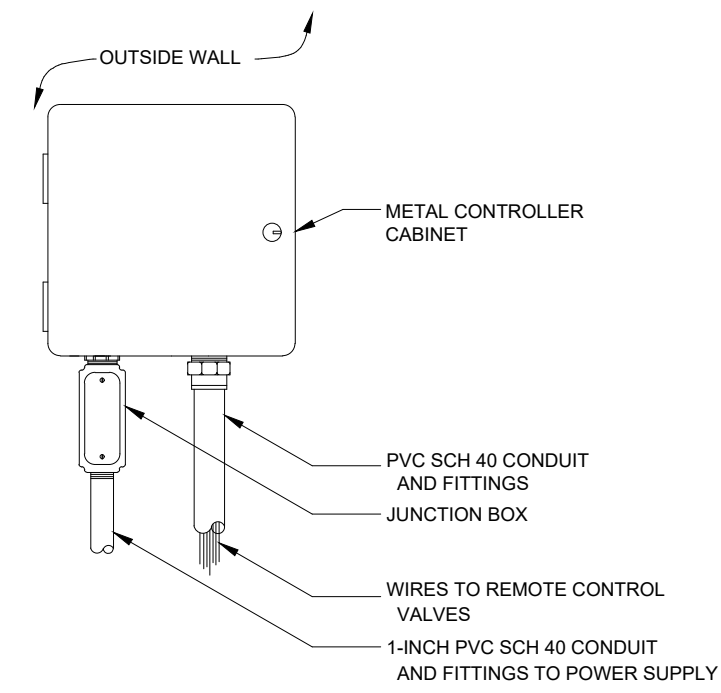
C:\Users\jordan\OneDrive\Desktop\McDonald's Willard MO\Li-2\17-09-2026 - (pdf) - LP: 7/29/2026 8:48 PM

NOTE: PRIOR TO ANY EXCAVATION FOR UNDERGROUND UTILITIES, CONTRACTOR SHALL EXPOSE AND VERIFY LOCATIONS (HORIZONTAL AND VERTICAL) OF ALL EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO GAS, WATER, AND SANITARY SEWER. ANY CONFLICTS SHALL BE REPORTED, IMMEDIATELY, TO THE ENGINEER AND THE APPROPRIATE AUTHORITIES.



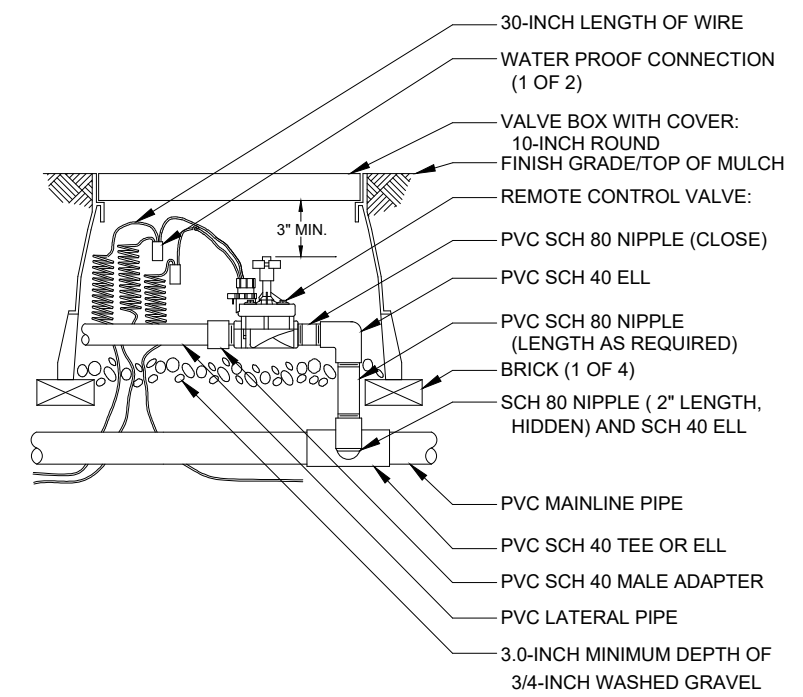
CONTROL ZONE KIT

N.T.S.



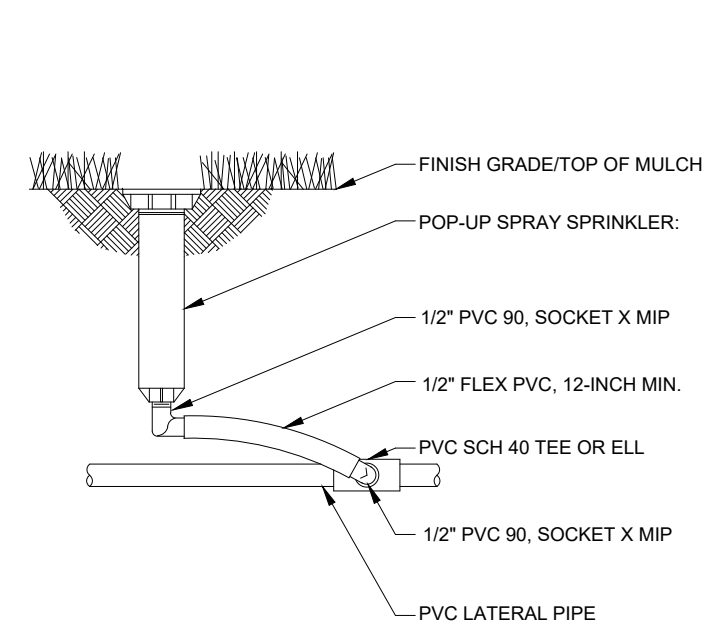
WALL MOUNT CONTROLLER

N.T.S.



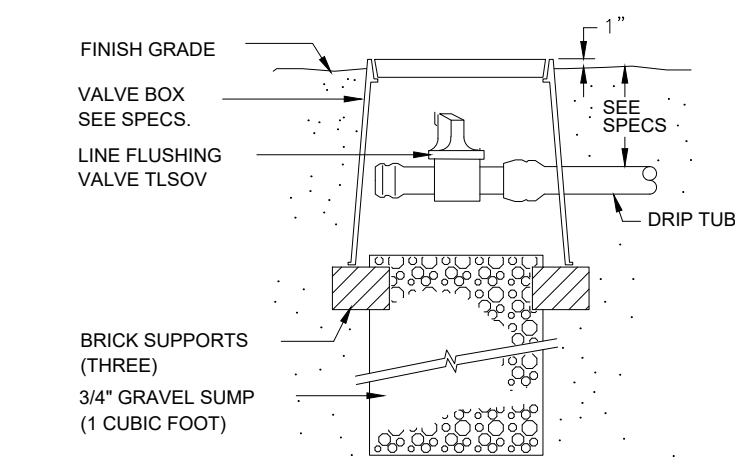
REMOTE CONTROL VALVE

N.T.S.



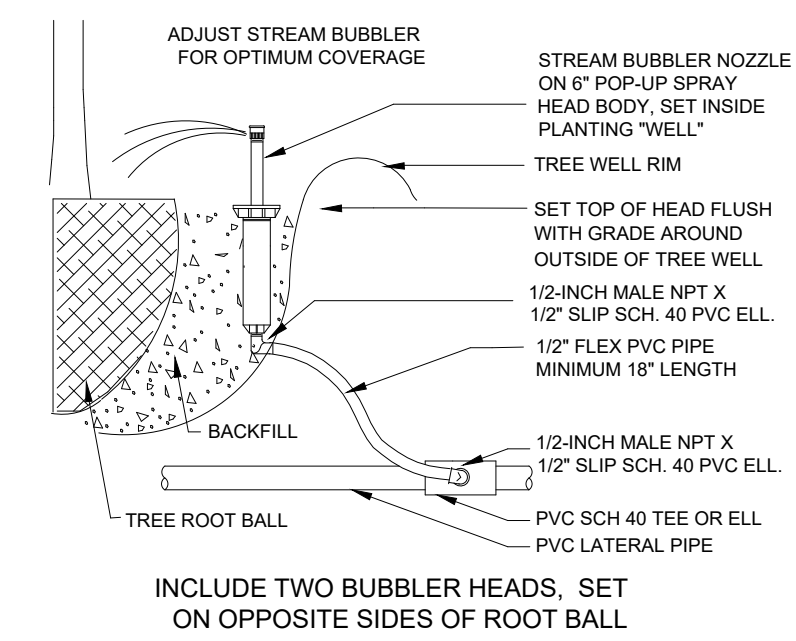
POP-UP SPRAY HEAD

N.T.S.



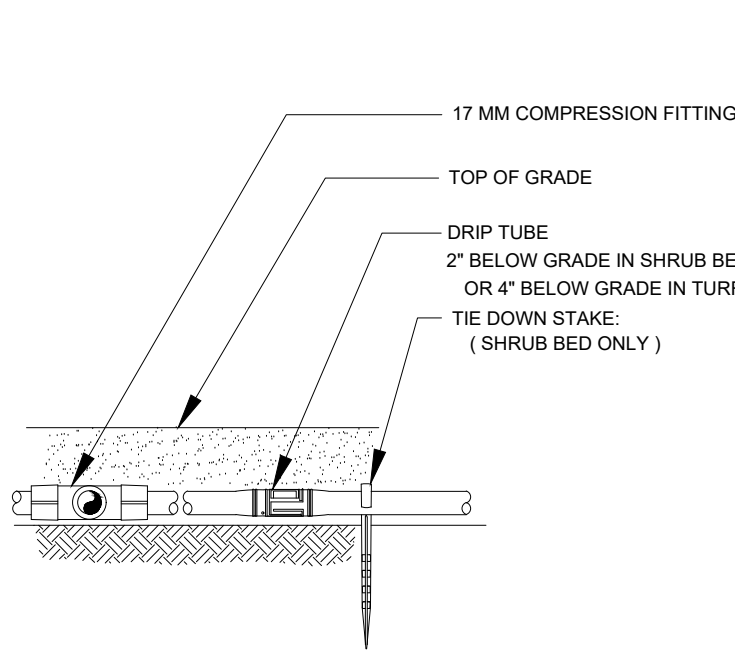
MANUAL LINE FLUSH VALVE

N.T.S.



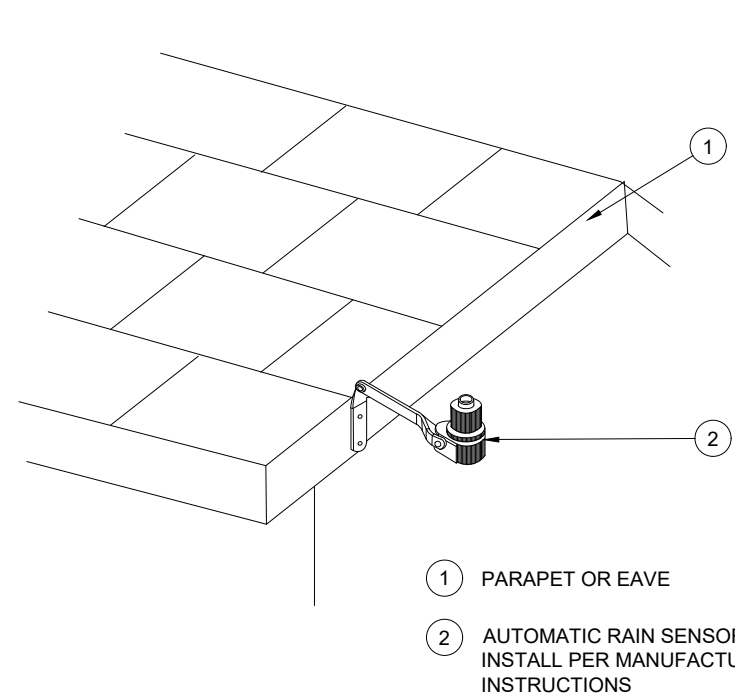
TREE BUBBLER

N.T.S.



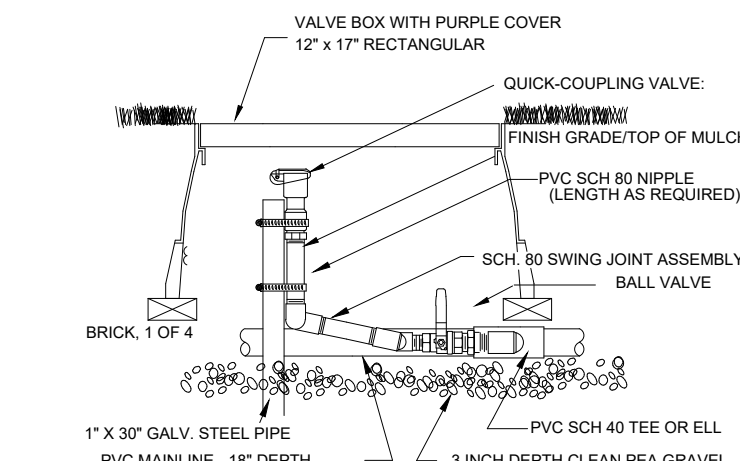
DRIP TUBE

N.T.S.



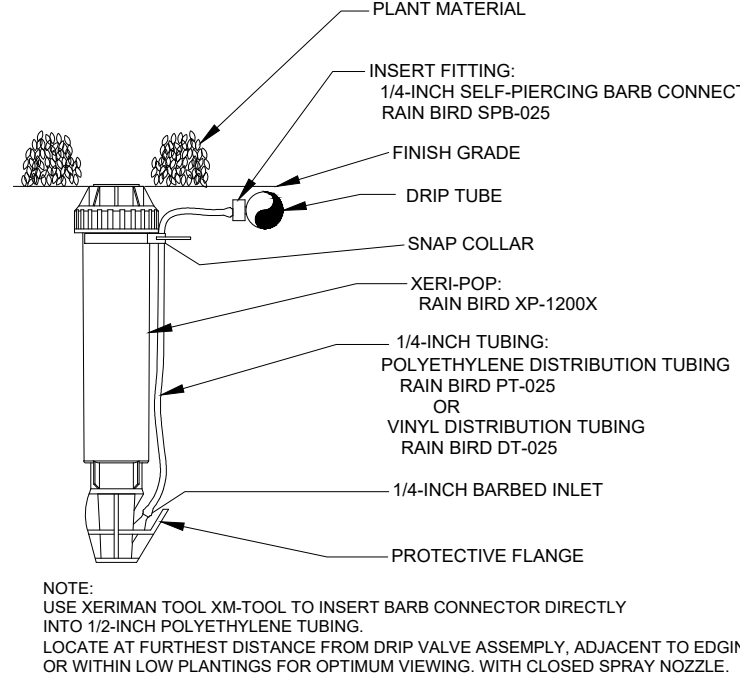
RAIN SENSOR, ROOF MOUNT

N.T.S.



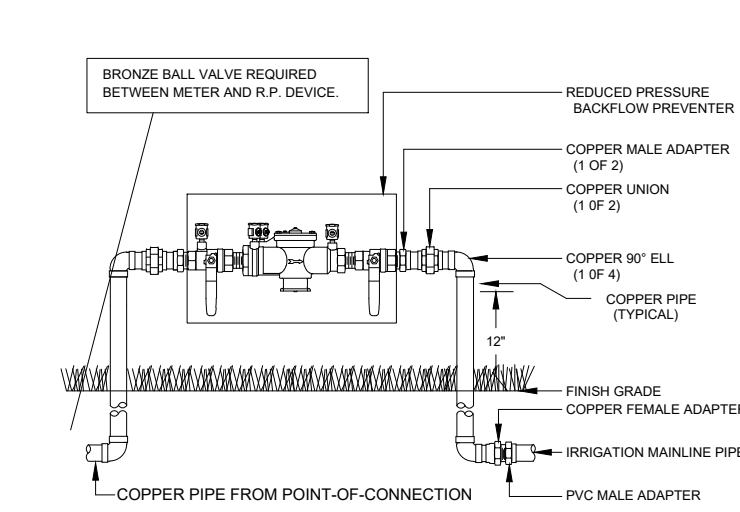
QUICK COUPLER VALVE WITH PVC BALL VALVE

N.T.S.



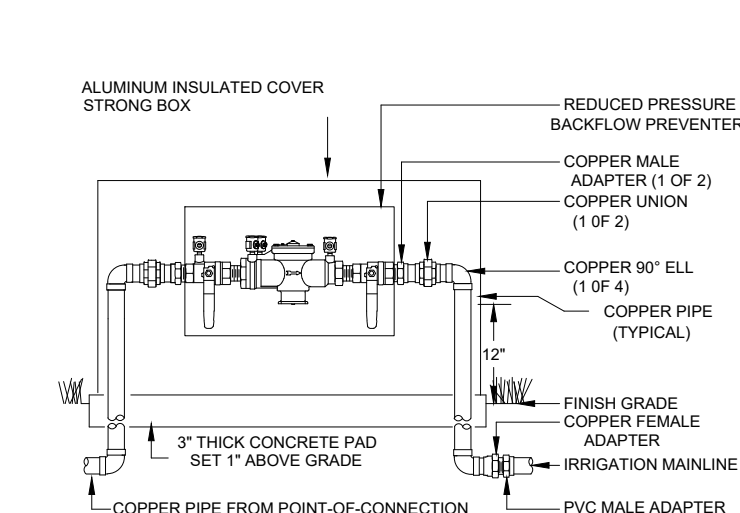
DRIP ZONE INDICATOR

N.T.S.



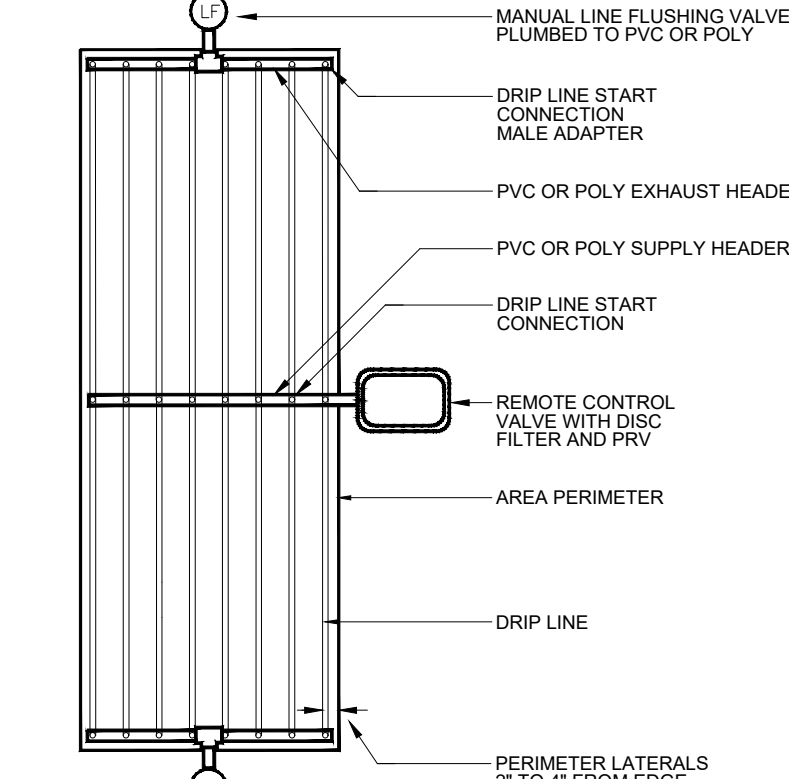
RP DEVICE

N.T.S.



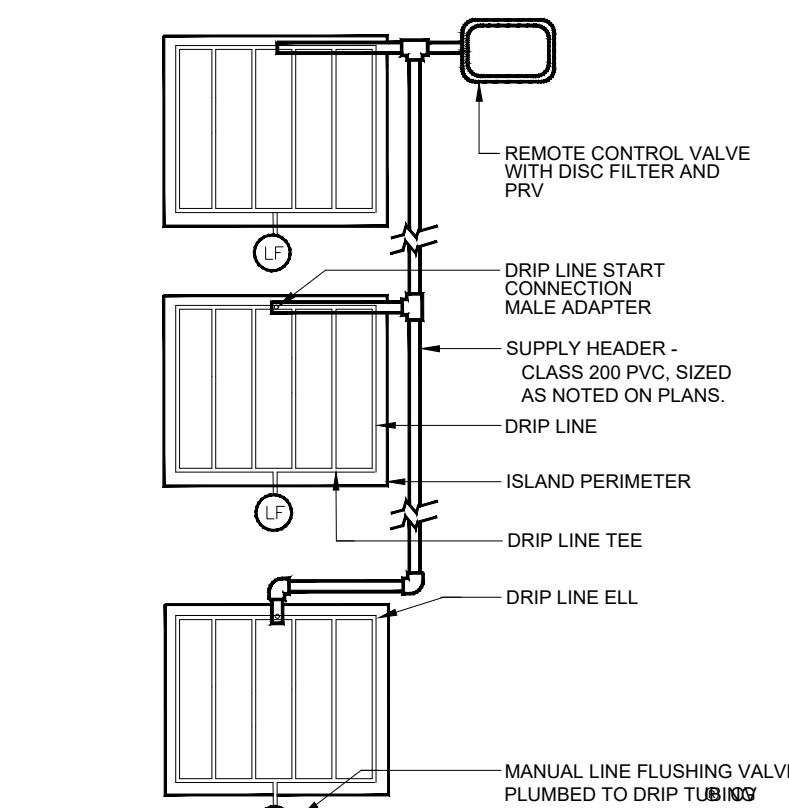
RP DEVICE WITH INSULATED COVER

N.T.S.



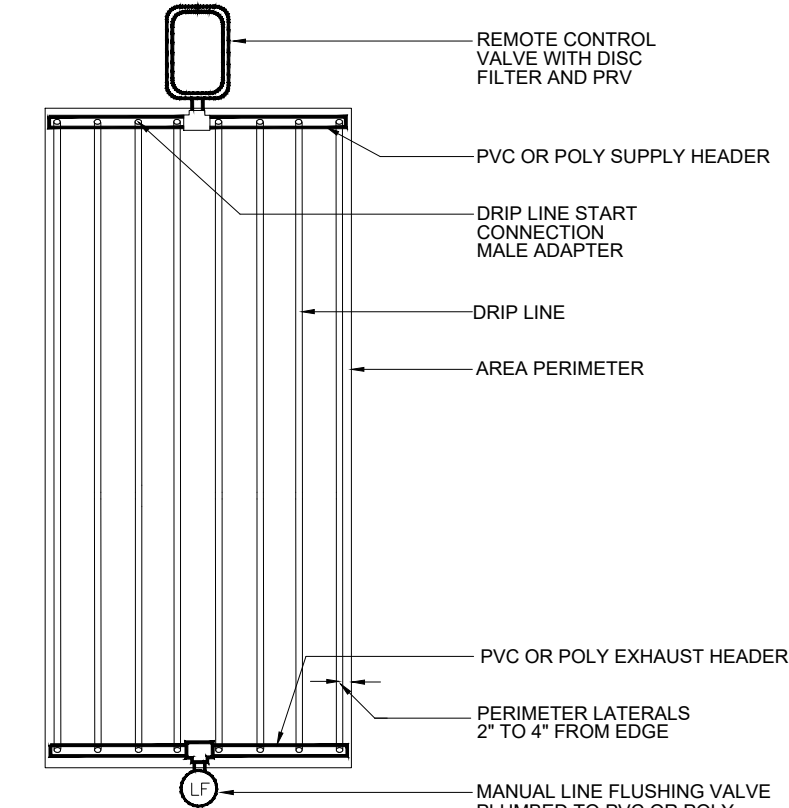
DRIP CENTER FEED LAYOUT

N.T.S.



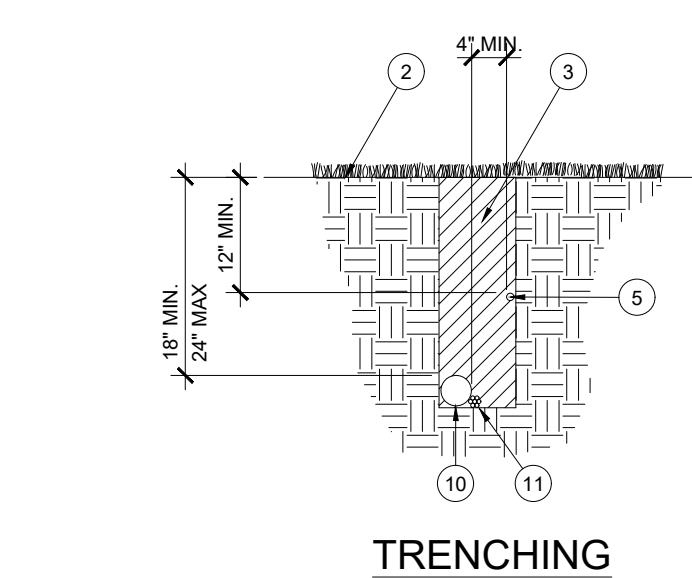
DRIP ISLAND LAYOUT

N.T.S.

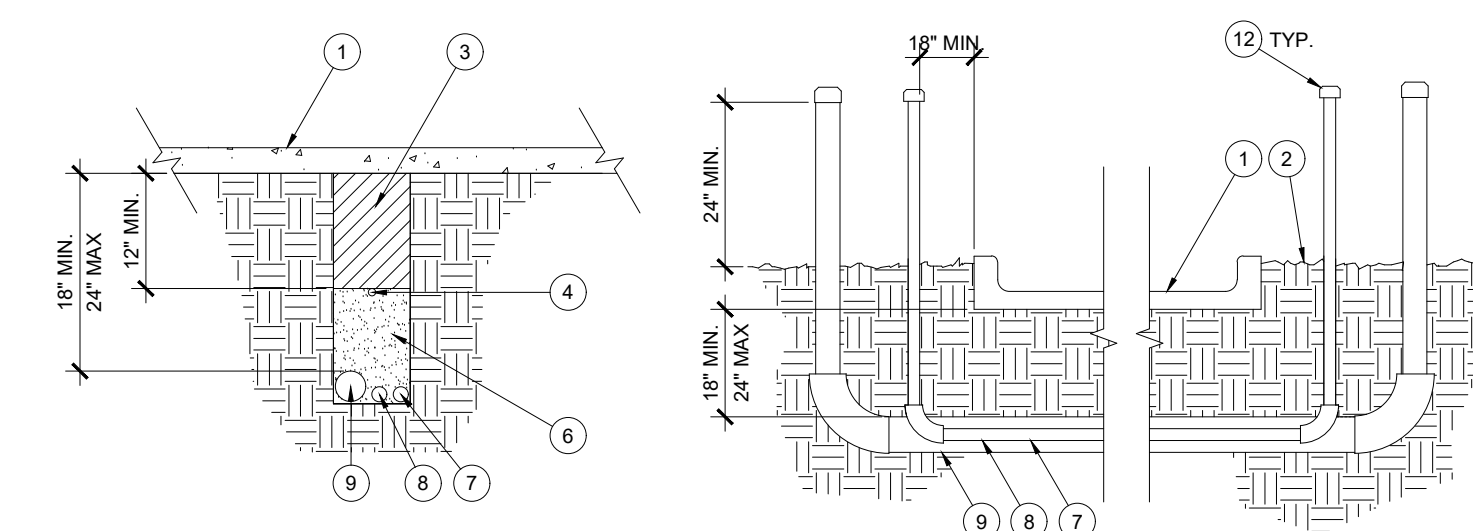


DRIP END FEED LAYOUT

N.T.S.



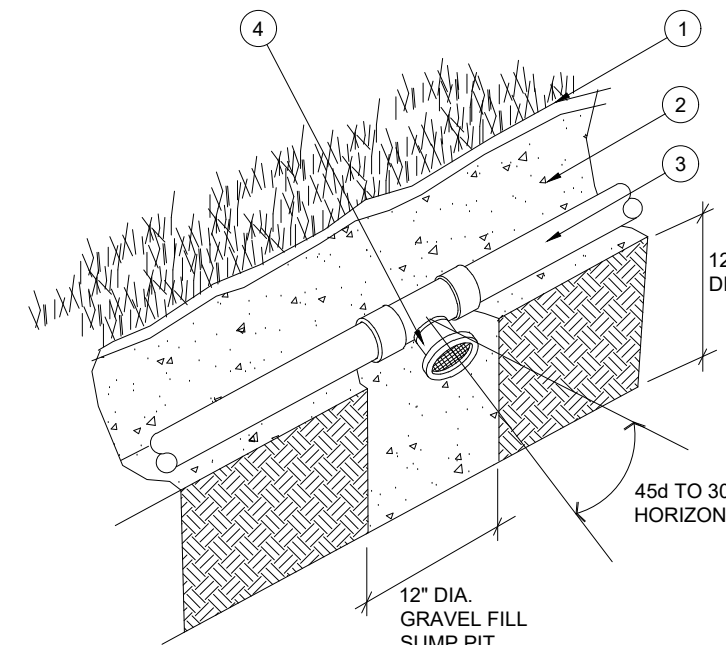
TRENCHING



SLEEVING

N.T.S.

PIPE AND SLEEVE INSTALLATION

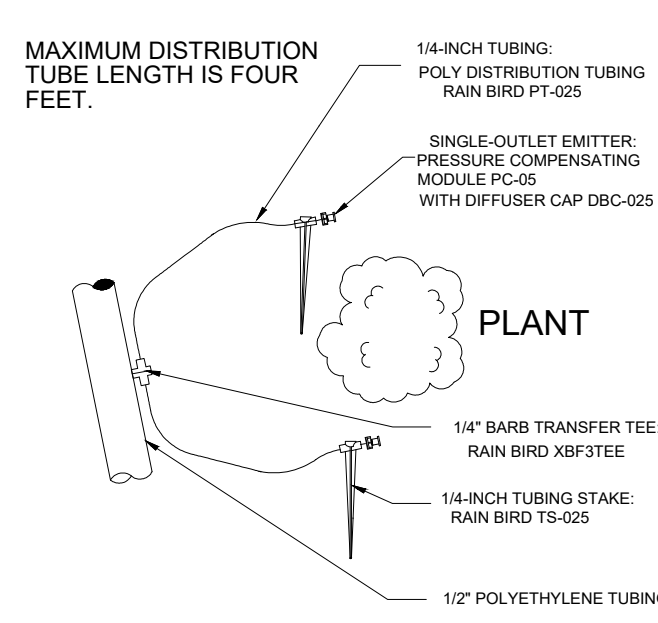


- 1 FINISH GRADE
- 2 PIPE TRENCH
- 3 LATERAL LINE PIPE
- 4 AUTOMATIC DRAIN VALVE

NOTE:
AUTOMATIC VALVES ARE TO BE LOCATED AT LOW POINTS OF LATERAL LINES. LOCATE END DRAIN VALVE 12" UPSTREAM FROM LAST HEAD.

AUTOMATIC DRAIN VALVE

N.T.S.



XERI-BUG EMITTER

N.T.S.

DATE: 07/30/2026

NO.	DATE	REVISION	DESCRIPTION
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10300 Alliance Road
Suite 300
Cincinnati, OH 45242
Ph: 513.985.0226
www.cccinc.com

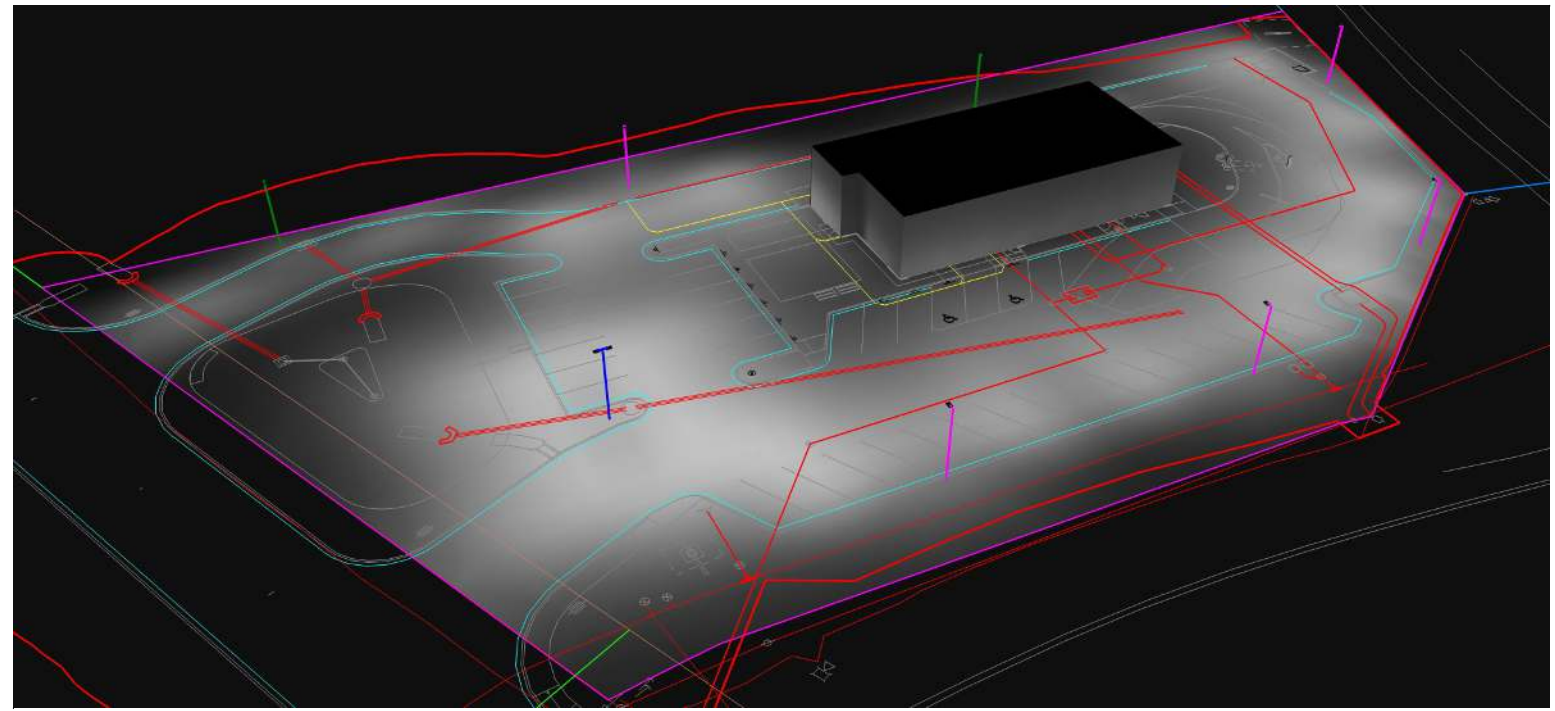
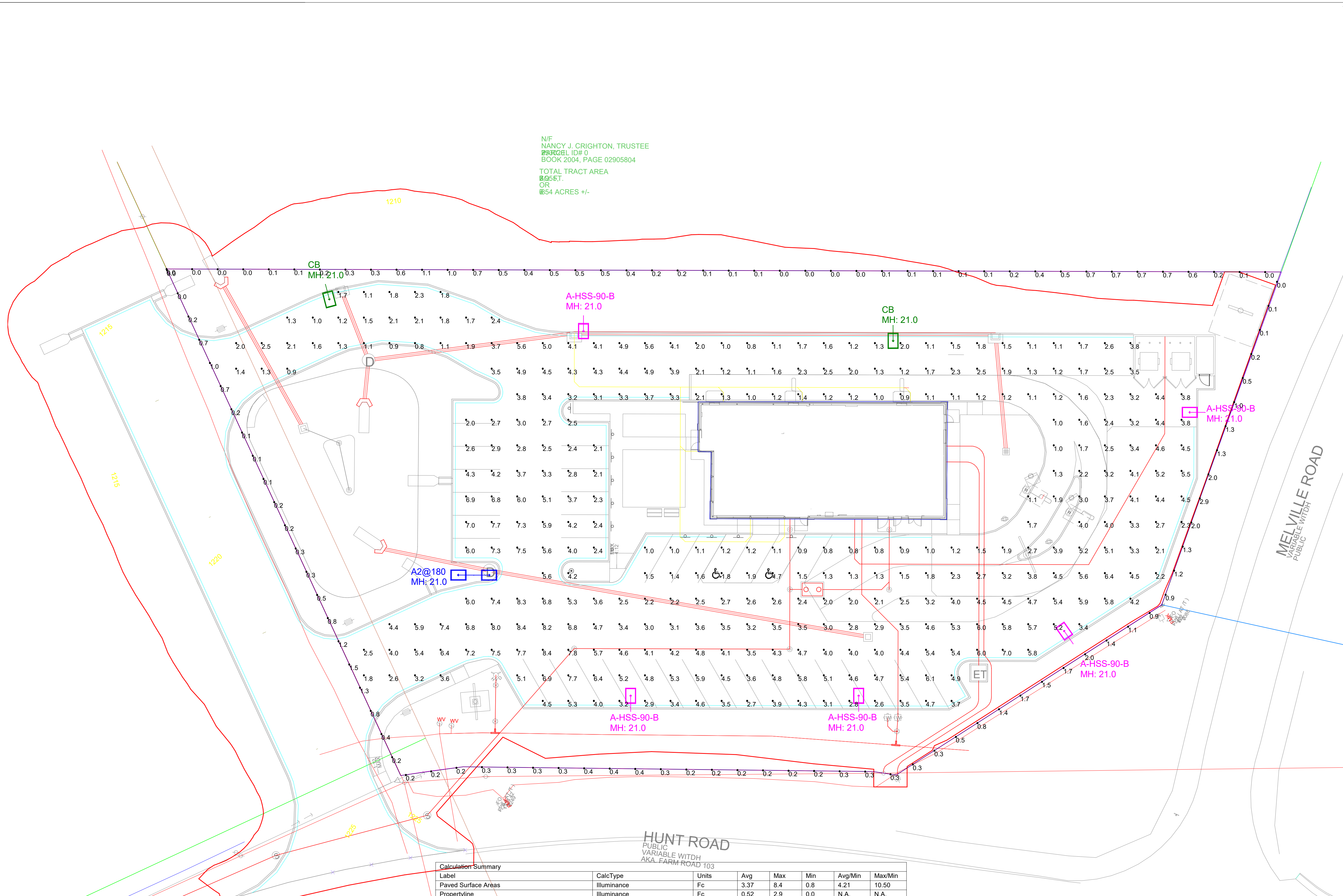

Civil & Environmental
Consultants, Inc.

McDONALD'S RESTAURANT
NSN 45021 (024-1329)
653 S HUNT RD
WILLARD, MO 65781



IRRIGATION DETAILS			
DATE:	JULY 2026	DRAWN BY:	AM
DWG SCALE:	N.T.S.	CHECKED BY:	SS
PROJECT NO:	353-866	APPROVED BY:	SS

DRAWING NO.:
LI-2



- NOTES:
1. THE FOOTCANDLE LEVELS AS SHOWN ARE BASED ON THE FOLLOWING CRITERIA. ANY SUBSTITUTIONS IN SPECIFIED FIXTURES OR CHANGES TO LAYOUT WILL AFFECT LIGHTING LEVELS SHOWN AND WILL NOT BE THE RESPONSIBILITY OF SECURITY LIGHTING.
 2. DISTANCE BETWEEN READINGS 10'

Pole Fixtures Are Full Cutoff
Tilt=0
Calculation Grids Are At Grade
Pole Light Mounting Height=21ft
(18' Pole + 3' Base)

Calculation Summary		CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Label								
Paved Surface Areas		Illuminance	Fc	3.37	8.4	0.8	4.21	10.50
Propertyline		Illuminance	Fc	0.52	2.9	0.0	N.A.	N.A.

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	LLF	Description	Lum. Watts	EPA	Mtg Height
	5	A-HSS-90-B	Single	0.850	VP-2-320L-210-5K7-4W-UNV-A-PSS-HSS-90-B	213.9	0.555	21
	1	A2@180	Back-Back	0.850	VP-2-320L-210-5K7-4W-UNV-A-PSS	213.9	1.110	21
	2	CB	Single	0.850	VP-1-160L-100-5K7-2-BC-UNV-A-PSS	92	0.454	21
Pole Type								
SES-18-40-1-TA-GL-xx (4")								

PROJECT WIND LOAD CRITERIA BASED ON:
ASCE 7-10 WIND SPEEDS (3-SEC PEAK GUST MPH)
50 YEAR MEAN RECURRENCE INTERVAL
ALLOWED EPA 13.6 @ WIND LOAD 90 MPH



Regional Drawing
024-1329

1. THIS LIGHTING DESIGN IS BASED ON INFORMATION SUPPLIED BY OTHERS TO SECURITY LIGHTING SYSTEMS. SITE DETAILS PROVIDED HEREON ARE REPRODUCED ONLY AS A VISUALIZATION AID. FIELD DEVIATIONS MAY SIGNIFICANTLY AFFECT PREDICTED PERFORMANCE. PRIOR TO INSTALLATION, CRITICAL SITE INFORMATION (POLE LOCATIONS, ORIENTATION, MOUNTING HEIGHT, ETC.) SHOULD BE COORDINATED WITH THE CONTRACTOR AND/OR SPECIFIER RESPONSIBLE FOR THE PROJECT.
2. LUMINAIRE DATA IS TESTED TO INDUSTRY STANDARDS UNDER LABORATORY CONDITIONS. OPERATING VOLTAGE AND NORMAL MANUFACTURING TOLERANCES OF LAMP, BALLAST, AND LUMINAIRE MAY AFFECT FIELD RESULTS.
3. CONFORMANCE TO FACILITY CODE AND OTHER LOCAL REQUIREMENTS IS THE RESPONSIBILITY OF THE OWNER AND/OR THE OWNER'S REPRESENTATIVE.
4. THIS LAYOUT MAY NOT MEET TITLE 24 OR LOCAL ENERGY REQUIREMENTS. IF THIS LAYOUT NEEDS TO BE COMPLIANT WITH TITLE 24 OR OTHER ENERGY REQUIREMENTS, PLEASE CONSULT FACTORY WITH SPECIFIC DETAILS REGARDING PROJECT REQUIREMENTS SO THAT REVISIONS MAY BE MADE TO THE DRAWING.

NATIONAL STORE NUMBER	
45021	
DATE	DRAWING NUMBER
7/30/2026	A260648C.AGI

THIS DRAWING MEETS OR EXCEEDS MCDONALD'S CURRENT ILLUMINATION SPECIFICATIONS OF A 3-4 FOOTCANDLE AVERAGE, UNLESS SUPERSEDED BY OTHER REQUIREMENTS.

A:\300-0001\301-8981-Survey\Draw\301-8981-S01-ALTA.dwg(SHEET 1) LS(7/23/2026 - Boyer) - LP: 7/23/2026 3:38 PM - Boyer, Rob



VICINITY MAP - NOT TO SCALE

SITE BENCHMARK #3
ELEV. = 1206.52' (NAVD88-GEOID18)
FOUND 3" IRON PIPE

SITE BENCHMARK #4
ELEV. = 1226.42' (NAVD88-GEOID18)
FOUND 3" IRON PIPE

EXISTING LEGEND:	
	EXISTING PROPERTY LINE
	EXISTING ADJACENT PROPERTY LINE
	EXISTING RIGHT-OF-WAY
	EXISTING OVERHEAD ELECTRIC
	EXISTING FENCE
	EXISTING GAS LINE
	EXISTING WATER LINE
	EXISTING FIBER OPTIC LINE
	EXISTING UNDERGROUND ELEC. LINE
	GUY WIRE
	UTILITY POLE
	BENCHMARK
	CHISELED MARK FOUND
	IRON PIPE FD. (SIZE)
	FIBER OPTIC MARKER
	CUT "X" SET
	WATER BOX (WATER VALVE)
	WATER METER
	TREE, CONIFER (800 SIZE TYPE)
	TELEPHONE PEDESTAL
	SIGN
	FIBER OPTIC PULL BOX (FLUSH WITH GRADE)
	GAS METER
	TELEPHONE BOX/CABINET (ABOVE GRADE)



811 or 1-800-344-7483
https://missouri-811.org

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES & UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE UNDERGROUND FACILITIES, STRUCTURES, & UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT.

ALTA/NSPS LAND TITLE SURVEY

PART OF SOUTHEAST QUARTER OF SECTION 25,
TOWNSHIP 30 NORTH, RANGE 23 WEST,
CITY OF WILLARD, GRENNE COUNTY, MISSOURI

TITLE NOTES:

TITLE COMMITMENT PREPARED BY OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY FILE NUMBER NCS26014283 REVISED MARCH 24, 2026. ITEMS NOT LISTED BELOW ARE STANDARD EXCEPTIONS AND/OR ARE NOT MATTERS THAT PERTAIN TO THIS SURVEY.

ITEM 5- SUBJECT TO AN ADVERTISING SPACE AGREEMENT TO MUSIC OUTDOOR LLC AS RECORDED IN BOOK 2023, PAGE 002473-23, GREENE COUNTY RECORDER'S OFFICE. (AFFECTS THE SUBJECT PROPERTY- BLANKET EASEMENT)

ITEM 6- SUBJECT TO AN ADVERTISING SPACE AGREEMENT TO MUSIC OUTDOOR LLC AS RECORDED IN BOOK 2023, PAGE 002474-23, GREENE COUNTY RECORDER'S OFFICE. (AFFECTS THE SUBJECT PROPERTY- BLANKET EASEMENT)

ITEM 7- SUBJECT TO AN POLE LINE PERMIT EASEMENT TO THE EMPIRE DISTRICT ELECTRIC COMPANY RECORDED IN BOOK 1120, PAGE 462, GREENE COUNTY RECORDER'S OFFICE. (AFFECTS THE SUBJECT PROPERTY- BLANKET EASEMENT)

ITEM 8- SUBJECT TO A RIGHT-OF-WAY EASEMENT WATER SUPPLY LINE TO THE CITY OF WILLARD RECORDED IN BOOK 2422, PAGE 1046, GREENE COUNTY RECORDER'S OFFICE. (AFFECTS THE SUBJECT PROPERTY- BLANKET EASEMENT- THE DOCUMENT MAKES REFERENCE TO A 20-FOOT WIDE STRIP CENTERED ON THE WATER LINE AS CONSTRUCTED. THERE IS A WATER LINE ON THE PROPOSED MCDONALDS TRACT BUT NO WAY TO TELL IF IT IS THE SAME WATER LINE REFERRED TO IN THE DOCUMENT)

ITEM 9- SUBJECT TO A REPORT OF COMMISSIONERS TO STATE OF MISSOURI AS RECORDED IN BOOK 1638, PAGE 200, GREENE COUNTY RECORDER'S OFFICE. (HIGHWAY RIGHT-OF-WAY - DOES NOT BURDEN THE SURVEYED PROPERTY)

ITEM 10- SUBJECT TO A CONVEYANCE FOR STATE HIGHWAY RIGHT-OF-WAY PURPOSES TO THE STATE OF MISSOURI AS RECORDED IN BOOK 2019, PAGE 011019-19, GREENE COUNTY RECORDER'S OFFICE. (DOES NOT AFFECT THE SURVEYED PROPERTY)

PROPERTY DESCRIPTION

FROM SPECIAL WARRANTY DEED RECORDED IN BOOK 2004, PAGE 02905804 OF THE GREENE COUNTY RECORDS

ALL OF THE SOUTHEAST QUARTER (SE1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION TWENTY- FIVE (25); ALSO, THE WEST QUARTER (W1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF THE SOUTHEAST QUARTER (SE1/4) OF SECTION TWENTY-FIVE (25), ALL IN TOWNSHIP THIRTY (30), RANGE TWENTY-THREE (23); ALSO, THE EAST THREE-QUARTERS (E3/4) OF THE SOUTHWEST QUARTER(SW1/4) OF THE SOUTHEAST QUARTER (SE1/4) AND WEST QUARTER (W1/4) OF THE SOUTHEAST QUARTER (SE1/4) OF THE SOUTHEAST QUARTER (SE1/4); ALL IN SECTION TWENTY-LIVE (25), TOWNSHIP THIRTY (30), RANGE TWENTY-THREE (23); ALSO ALL OF THAT PART OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHEAST QUARTER (SE1/4) AND THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHWEST QUARTER (SW1/4) AND THE SOUTHEAST QUARTER (SE1/4) OF THE NORTHWEST QUARTER (NW 1/4) LYING SOUTH (S) AND WEST (W) OF THE RAILROAD RIGHT-OF-WAY, ALL IN SECTION TWENTY-FIVE (25), TOWNSHIP THIRTY (30), RANGE TWENTY-THREE (23); ALSO, COMMENCING AT THE NORTHEAST CORNER OF THE NORTHWEST QUARTER (N W1/4) OF THE NORTHEAST QUARTER (NE1/4) OF SECTION THIRTY-SIX (36), TOWNSHIP THIRTY (30), RANGE TWENTY-THREE (23), RUNNING THENCE WEST (W) ONE HUNDRED AND SIXTY (160) RODS; THENCE SOUTH (S) FIFTEEN (15) FEET; THENCE EAST (E) ONE HUNDRED AND SIXTY (160) RODS, THENCE NORTH (N) FIFTEEN (15) FEET, TO THE BEGINNING, ALL IN GREENE COUNTY, MISSOURI, ALL SUBJECT TO THAT PART TAKEN OR USED FOR ROADS.

EXCEPT: THE WEST 30 FEET OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION TWENTY-FIVE (25), TOWNSHIP THIRTY (30), RANGE TWENTY-THREE (23), GREENE COUNTY, MISSOURI.

ALSO EXCEPT: BEGINNING AT THE NORTHEAST COMER OF THE SOUTHWEST QUARTER (SW1/4) OF THE SOUTHEAST QUARTER (SE1/4) OF SECTION TWENTY-FIVE (25), TOWNSHIP THIRTY (30) NOAH, RANGE TWENTY-THREE (23) WEST; THENCE WEST 600.54 FEET ALONG THE NORTH LINE OF SAID QUARTER QUARTER SECTION TO THE NORTH RIGHT-OF-WAY LINE OF THE ST. LOUIS SAN FRANCISCO RAILWAY; THENCE SOTITUEASTERLY 721.31 FEET ALONG THE NORTHERLY RIGHT-OF-WAY LINE OF SAID RAILWAY; THENCE NORTHEASTERLY 440 FEET AT A 90 DEGREE ANGLE; THENCE NORTHWESTERLY 101.1 FEET ON A 87 DEGREE 46' ANGLE TO THE LEFT TO A POINT OF INTERSECTION WITH THE NORTH LINE OF THE SOUTHEAST QUARTER (SE1/4) OF THE SOUTHEAST QUARTER (SE1/4); THENCE WEST 188.56 FEET TO THE POINT OF BEGINNING, ALL IN GREENE COUNTY, MISSOURI, EXCEPT TEN (10) FEET ON THE NORTH AND NORTHEAST USED FOR ROADS.

BEING THE SAME AS:

PART OF THE SOUTHEAST QUARTER OF SECTION 25, TOWNSHIP 30 NORTH, RANGE 23 WEST, CITY OF WILLARD, GREENE COUNTY, MISSOURI DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 25;

THENCE ALONG THE LINE COMMON TO SECTIONS 25 AND 36, NORTH 87 DEGREES 48 MINUTES 30 SECONDS WEST A DISTANCE OF 21.35 FEET TO THE POINT OF INTERSECTION OF SAID COMMON SECTION LINE AND WEST RIGHT-OF-WAY LINE OF HUNT ROAD (VARIABLE WIDTH), SAID POINT BEING THE POINT OF BEGINNING;

THENCE DEPARTING SAID LINE COMMON TO SECTIONS 25 AND 36, AND ALONG THE WEST RIGHT OF WAY LINE OF HUNT ROAD (VARIABLE WIDTH), ALONG A CURVE TO THE LEFT, HAVING A RADIUS OF 614.46 FEET, AN ARC LENGTH OF 15.64 FEET, AND A CHORD WHICH BEARS SOUTH 89 DEGREES 34 MINUTES 59 SECONDS WEST, 15.63 FEET TO A POINT ON THE SOUTH LINE OF A TRACT OF LAND CONVEYED TO THE NANCY J. CRIGHTON REVOCABLE TRUST, PER INSTRUMENT RECORDED IN BOOK 2004, PAGE 02905804 OF THE GREENE COUNTY RECORDS;

THENCE, ALONG LAST SAID SOUTH LINE, NORTH 87 DEGREES 48 MINUTES 30 SECONDS WEST, 2,646.43 FEET TO THE SOUTHWEST CORNER OF SAID CRIGHTON TRACT;;

THENCE, ALONG THE WEST LINE OF SAID CRIGHTON TRACT, NORTH 02 DEGREES 14 MINUTES 09 SECONDS EAST, 1316.61 FEET TO THE POINT OF INTERSECTION OF THE WEST LINE OF SAID CRIGHTON TRACT AND THE SOUTH RIGHT-OF-WAY LINE OF NEW MELVILLE ROAD, VARIABLE WIDTH;

THENCE, ALONG LAST SAID SOUTH AND SOUTHWEST RIGHT-OF-WAY LINE OF SAID NEW MELLVILLE ROAD, VARIABLE WIDTH, THE FOLLOWING COURSES, DISTANCES, AND CURVES: SOUTH 88 DEGREES 28 MINUTES 58 SECONDS EAST, 1308.21 FEET;

THENCE, CONTINUING, SOUTH 67 DEGREES 18 MINUTES 49 SECONDS EAST, 90.02 FEET;

THENCE, CONTINUING, ALONG A NON-TANGENTIAL CURVE TO THE RIGHT, HAVING A RADIUS OF 418.37 FEET, AN ARC LENGTH OF 192.32 FEET, AND A CHORD WHICH BEARS SOUTH 63 DEGREES 46 MINUTES 29 SECONDS EAST, A CHORD LENGTH OF 190.63 FEET TO A POINT OF TANGENCY;

THENCE, CONTINUING, SOUTH 50 DEGREES 36 MINUTES 03 SECONDS EAST, 1122.03 FEET;

THENCE, CONTINUING, SOUTH 43 DEGREES 13 MINUTES 27 SECONDS EAST, 350.38 FEET TO THE SAID WEST RIGHT-OF-WAY LINE OF HUNT ROAD, VARIABLE WIDTH;

THENCE, ALONG LAST SAID WEST RIGHT-OF-WAY LINE, SOUTH 05 DEGREES 39 MINUTES 39 SECONDS EAST, 123.47 FEET;

THENCE, CONTINUING, SOUTHWESTERLY ALONG A CURVE TO THE LEFT, HAVING AN ARC, A RADIUS OF 614.46 FEET, AN ARC LENGTH OF 179.10 FEET, AND A CHORD WHICH BEARS SOUTH 27 DEGREES 39 MINUTES 57 SECONDS WEST, A CHORD DISTANCE OF 178.46 FEET TO THE POINT OF BEGINNING AND CONTAINING 2,955,707 SQUARE FEET OR 67.854 ACRES, MORE OR LESS.

PROPERTY DESCRIPTION - LOT A

PART OF THE SOUTHEAST QUARTER OF SECTION 25, TOWNSHIP 30 NORTH, RANGE 23 WEST, CITY OF WILLARD, GREENE COUNTY, MISSOURI DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 25;

THENCE ALONG THE LINE COMMON TO SECTIONS 25 AND 36, NORTH 87 DEGREES 48 MINUTES 30 SECONDS WEST A DISTANCE OF 21.35 FEET TO THE POINT OF INTERSECTION OF SAID COMMON SECTION LINE AND WEST RIGHT-OF-WAY LINE OF HUNT ROAD (VARIABLE WIDTH), SAID POINT BEING THE POINT OF BEGINNING;

THENCE DEPARTING SAID LINE COMMON TO SECTIONS 25 AND 36, AND ALONG THE WEST RIGHT OF WAY LINE OF HUNT ROAD (VARIABLE WIDTH), ALONG A CURVE TO THE LEFT, HAVING A RADIUS OF 614.46 FEET, AN ARC LENGTH OF 15.64 FEET, AND A CHORD WHICH BEARS SOUTH 89 DEGREES 34 MINUTES 59 SECONDS WEST, 15.63 FEET TO A POINT ON THE SOUTH LINE OF A TRACT OF LAND CONVEYED TO THE NANCY J. CRIGHTON REVOCABLE TRUST, PER INSTRUMENT RECORDED IN BOOK 2004, PAGE 02905804 OF THE GREENE COUNTY RECORDS;

THENCE, ALONG LAST SAID SOUTH LINE, NORTH 87 DEGREES 48 MINUTES 30 SECONDS WEST, 218.40 FEET;

THENCE, DEPARTING LAST SAID SOUTH LINE, NORTH 27 DEGREES 09 MINUTES 11 SECONDS EAST, 436.32 FEET THE SOUTH RIGHT-OF-WAY LINE OF NEW MELVILLE ROAD, (VARIABLE WIDTH);

THENCE, ALONG LAST SAID SOUTH RIGHT-OF-WAY LINE OF SAID NEW MELVILLE ROAD, VARIABLE WIDTH, SOUTH 43 DEGREES 13 MINUTES 27 SECONDS EAST, 138.40 FEET TO THE NORTHWEST LINE OF SAID HUNT ROAD (VARIABLE WIDTH);

THENCE, ALONG LAST SAID NORTHWEST LINE OF HUNT ROAD (VARIABLE WIDTH) THE FOLLOWING COURSES AND DISTANCES: SOUTH 05 DEGREES 39 MINUTES 39 SECONDS EAST, 123.47 FEET TO A POINT OF CURVATURE;

THENCE, CONTINUING, SOUTHWESTERLY ALONG A CURVE TO THE LEFT, HAVING AN ARC, A RADIUS OF 614.46 FEET, AN ARC LENGTH OF 179.10 FEET, AND A CHORD WHICH BEARS SOUTH 27 DEGREES 39 MINUTES 57 SECONDS WEST, A CHORD DISTANCE OF 178.46 FEET TO THE POINT OF BEGINNING AND CONTAINING 66,479 SQUARE FEET OR 1.526 ACRES, MORE OR LESS.

SURVEYOR'S NOTES:

BASIS OF BEARING: GRID BEARINGS, MISSOURI COORDINATE SYSTEM OF 1983, CENTRAL ZONE (2402)

SCALE POINT:

CEC#1

LAT 37°17'33.83149" N

LONG 93°24'36.12706" W

ORTHO HEIGHT 1128.761'

GRID TO GROUND FACTOR = 1.00004048628896

BASIS OF BEARING: GRID BEARINGS, MISSOURI COORDINATE SYSTEM OF 1983, CENTRAL ZONE (2402)

PRIVATE UTILITIES WERE LOCATED BY BLVD AND MO 811 TICKET NUMBER 252102308. THE SYMBOLS AND LINE WORK OF WHICH REPRESENT WHAT WAS PRESENT AT TIME OF SURVEY.

WE HAVE EXAMINED FLOOD INSURANCE RATE MAP NUMBER 29077C0191F, HAVING AN EFFECTIVE DATE OF SEPTEMBER 19, 2025 OF THE NATIONAL FLOOD INSURANCE PROGRAM PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY FOR THE AREA CONTAINING THE SUBJECT PROPERTY, BY GRAPHIC PLOTTING THE SUBJECT PROPERTY IS LOCATED WITHIN: "ZONE X" AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AND AN AREA OF MINIMUM FLOOD HAZARD.

AS PER THE CITY OF WILLARD ZONING MAP THE SUBJECT TRACT IS ZONED "C-2" GENERAL BUSINESS DISTRICT.

TOTAL LAND AREA OF SURVEYED PROPERTY IS 68,473 SQUARE FEET OR 1.572 ACRES, MORE OR LESS.

THERE ARE NO PARKING SPACES.

SUBJECT PROPERTY WAS NOT UNDER CONSTRUCTION AT TIME OF SURVEY.

THERE IS NO EVIDENCE OF THE SITE BEING USED AS A SOLID WASTE DUMP, SUMP, SANITARY LANDFILL, CEMETERY, GRAVESITE OR BURIAL GROUNDS.

THERE ARE NO KNOWN PROPOSED RIGHT OF WAY CHANGES.

A CURRENT ZONING LETTER HAS NOT BEEN PROVIDED TO THE SURVEYOR. AS PER THE CITY OF WILLARD ZONING MAP THE SUBJECT TRACT IS ZONED "C-2" GENERAL BUSINESS DISTRICT.

SURVEYED PARCELS AND ADJOINING PARCEL ARE CONTIGUOUS AND NO GAPS OR GORES EXIST BETWEEN SAID PARCELS.

SURVEY COMPLIES WITH REQUIREMENTS SET FORTH IN THE MCDONALD'S SURVEY ORDER FORM AND MINIMUM REQUIREMENTS.

THE PROPERTY ADDRESS FOR LOT A IS: 653 S. HUNT ROAD, WILLARD, MO 65781

SUBJECT PROPERTY LIES AT INTERSECTION OF MEHLVILLE AND HUNT ROADS.

SURVEYOR'S CERTIFICATION:

TO MCDONALD'S CORPORATION, A DELAWARE CORPORATION
MCDONALD'S USA, LLC, A DELAWARE LIMITED LIABILITY COMPANY
MCDONALDS REAL ESTATE COMPANY, A DELAWARE CORPORATION
OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 6a, 6b, 7a, 7b, 7c, 8, 9, 11, 13, 14, 16, 17, 18, AND 20 OF TABLE A THEREOF. WE FURTHER CERTIFY THAT THIS PLAT MEETS OR EXCEEDS THE CURRENT "MISSOURI STANDARDS FOR PROPERTY BOUNDARY SURVEYS" AS ADOPTED BY THE MISSOURI BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, PROFESSIONAL LAND SURVEYORS AND PROFESSIONAL LANDSCAPE ARCHITECTS (20 CSR 2030-16), AND MEETS THE ACCURACY REQUIREMENTS OF A RURAL CLASS SURVEY AND THE RESULTS ARE SHOWN HEREON.

THE FIELD WORK WAS COMPLETED ON MARCH 13, 2026.

DATE OF PLAT OR MAP: JULY 23, 2026

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
MISSOURI L.S. No. 2007031293

BY: ROBERT S. BOYER, PLS
MISSOURI LICENSE No. 2013000040

DRAFT

ALTA/NSPS LAND TITLE SURVEY COVER SHEET & NOTES			
DATE:	JULY, 2026	DRAWN BY:	MRS/MSB
DWG SCALE:	N/A	CHECKED BY:	RSB
PROJECT NO:	353-866	APPROVED BY:	DRAFT

DRAWING NO.:
SV01

SHEET 1 OF 4

1450 Beale Street
Suite 305
St. Charles, MO 63303
Ph: 314.656.4566
www.ccecinc.com

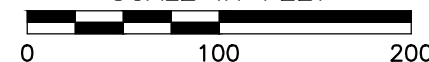
C&E
Civil & Environmental
Consultants, Inc.

MCDONALD'S RESTAURANT
NSN 00000 (024-1329)
E NEW MELVILLE RD
& S HUNT RD
WILLARD, MO 65781



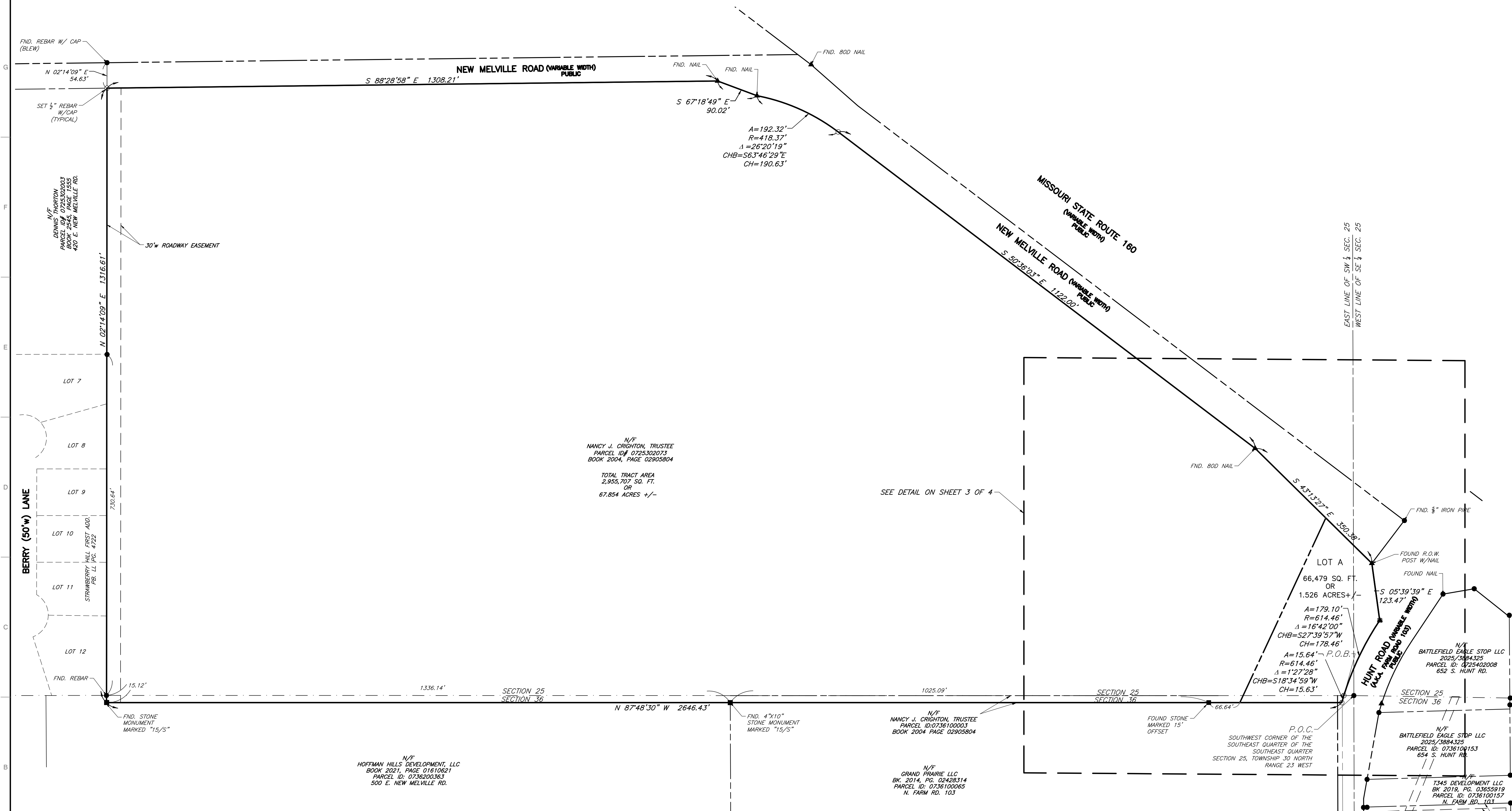


SCALE IN FEET



ALTA/NSPS LAND TITLE SURVEY

PART OF SOUTHEAST QUARTER OF SECTION 25,
TOWNSHIP 30 NORTH, RANGE 23 WEST,
CITY OF WILLARD, GRENNE COUNTY, MISSOURI



811 or 1-800-344-7483
<https://missouri-811.org>

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES, & UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE UNDERGROUND FACILITIES, STRUCTURES, & UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT.

DRAFT

DRAWING NO.:

SV01

SHEET 2 OF

REVISION RECORD		DESCRIPTION
NO	DATE	

ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECTURE IN THE STATE OF NORTH CAROLINA WILL BE PROVIDED BY CEC SURVEYING AND LANDSCAPE ARCHITECTS OF NC, P.L.C. SERVICES IN PUERTO RICO WILL BE PROVIDED BY CEC ENGINEERS & CONSULTANTS, LLC. LANDSCAPE ARCHITECTURE SERVICES IN THE STATE OF NORTH CAROLINA WILL BE PROVIDED BY CEC LANDSCAPE ARCHITECTS OF NC, P.L.C. SERVICES IN PUERTO RICO WILL BE PROVIDED BY CEC ENGINEERS & CONSULTANTS, LLC.

1450 Beale Street
Suite 305
St. Charles, MO 63303
Ph: 314.656.4566
www.cecinc.com



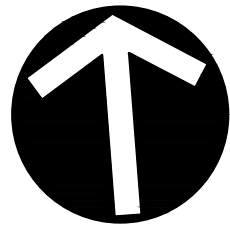
vil & Environmental
Consultants, Inc.

MCDONALD'S RESTAURANT
NSN 0000 (024-1329)
E NEW MELVILLE RD
& S HUNT RD
WILLARD, MO 65781



ALTA/NSPS LAND TITLE SURVEY OVERALL SITE

DATE:	JULY, 2026	DRAWN BY:	MRS/MSB
DWG SCALE:	1" = 100'	CHECKED BY:	RSB
PROJECT NO:		353-866	



SCALE IN FEET
0 20 40

ALTA/NSPS LAND TITLE SURVEY

PART OF SOUTHEAST QUARTER OF SECTION 25,
TOWNSHIP 30 NORTH, RANGE 23 WEST,
CITY OF WILLARD, GRENN COUNTY, MISSOURI

N/F
NANCY J. CRIGHTON, TRUSTEE
PARCEL ID# 0725302073
BOOK 2004, PAGE 02905804
TOTAL TRACT AREA
2,955,707 SQ. FT.
OR
67.854 ACRES +/-

LOT A
66,479 SQ. FT.
OR
1.526 ACRES +/-
ADDRESS: 653 S. HUNT RD.
"NO BUILDINGS OBSERVED"

A=15.64'
R=614.46'
Δ=1°27'28"
CHB=S18°34'59"W
CH=15.63'

A=179.10'
R=614.46'
Δ=16°42'00"
CHB=S27°39'57"W
CH=178.46'

N/F
GRAND PRAIRIE LLC
BK. 2014, PG. 02428314
PARCEL ID: 0736100065
N. FARM RD. 103

N/F
BATTLEFIELD EAGLE STOP LLC
2025/3884329
PARCEL ID: 0725402008
652 S. HUNT RD.



811 or 1-800-344-7483
<https://missouri-811.org>

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DRAFT

ALTA NSPS LAND TITLE SURVEY
PROJECT SITE DETAIL

DRAWING NO.:
SV01

SHEET 3 OF 4

McDONALD'S RESTAURANT
NSN 00000 (024-1329)
E NEW MELVILLE RD
& S HUNT RD
WILLARD, MO 65781

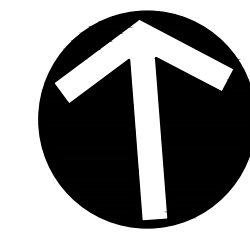


1450 Beale Street
Suite 305
St. Charles, MO 63303
Ph: 314.656.4566
www.ccecinc.com

REVISION RECORD

NO.	DATE	DESCRIPTION

ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECTURE IN THE STATE OF NORTH CAROLINA WILL BE PROVIDED BY CEC SURVEYING AND LANDSCAPE ARCHITECTS OF N.C., P.L.C. SERVICES IN PUERTO RICO WILL BE PROVIDED BY CEC SURVEYING AND LANDSCAPE ARCHITECTS OF P.R., P.L.C. SERVICES IN THE STATE OF OHIO WILL BE PROVIDED BY CEC LANDSCAPE ARCHITECTS, L.L.C.



SCALE IN FEET
0 20 40

ALTA/NSPS LAND TITLE SURVEY

PART OF SOUTHEAST QUARTER OF SECTION 25,
TOWNSHIP 30 NORTH, RANGE 23 WEST,
CITY OF WILLARD, GRENNE COUNTY, MISSOURI

N/F
NANCY J. CRIGHTON, TRUSTEE
PARCEL ID# 0725302071
BOOK 2004, PAGE 02905804

TOTAL TRACT AREA
2,955,707 SQ. FT.
OR
67.854 ACRES +/-

"NO BUILDINGS OBSERVED"

LOT A
66,479 SQ. FT.
OR
1.526 ACRES +/-

A=15.64'
R=614.46'
Δ=1°27'28"
CHB=S18°34'59"W
CH=15.63'

A=179.10'
R=614.46'
Δ=16°42'00"
CHB=S27°39'57"W
CH=178.46'

N/F
NANCY J. CRIGHTON, TRUSTEE
PARCEL ID# 0736100003
BOOK 2004, PAGE 02905804

N/F
GRAND PRAIRIE LLC
BK. 2014, PG. 02428314
PARCEL ID: 0736100085
N. FARM RD. 103

N 87°48'30" W 218.40'

P.O.B.

P.O.C.
SOUTHWEST CORNER OF THE
SOUTHEAST QUARTER OF
SECTION 25, TOWNSHIP 30 NORTH
RANGE 23 WEST

N/F
BATTLEFIELD EAGLE STOP LLC
2025/3984329
PARCEL ID: 0725402008
652 S. HUNT RD.

REVISION RECORD

NO.	DATE	DESCRIPTION

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St. Charles, MO 63303
Ph: 314.656.4566
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Civil & Environmental
Consultants, Inc.

McDONALD'S RESTAURANT
NSN 00000 (024-1329)
E NEW MELVILLE RD
& S HUNT RD
WILLARD, MO 65781



ALTA NSPS LAND TITLE SURVEY AERIAL OVERLAY SHEET

DATE:	JULY 2025	DRAWN BY:	MRS/MSB
DWG SCALE:	1"=20'	CHECKED BY:	RSB
PROJECT NO:	353-886.001	APPROVED BY:	DRAFT

DRAWING NO.:
SV01

SHEET 3 OF 4

DRAFT



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