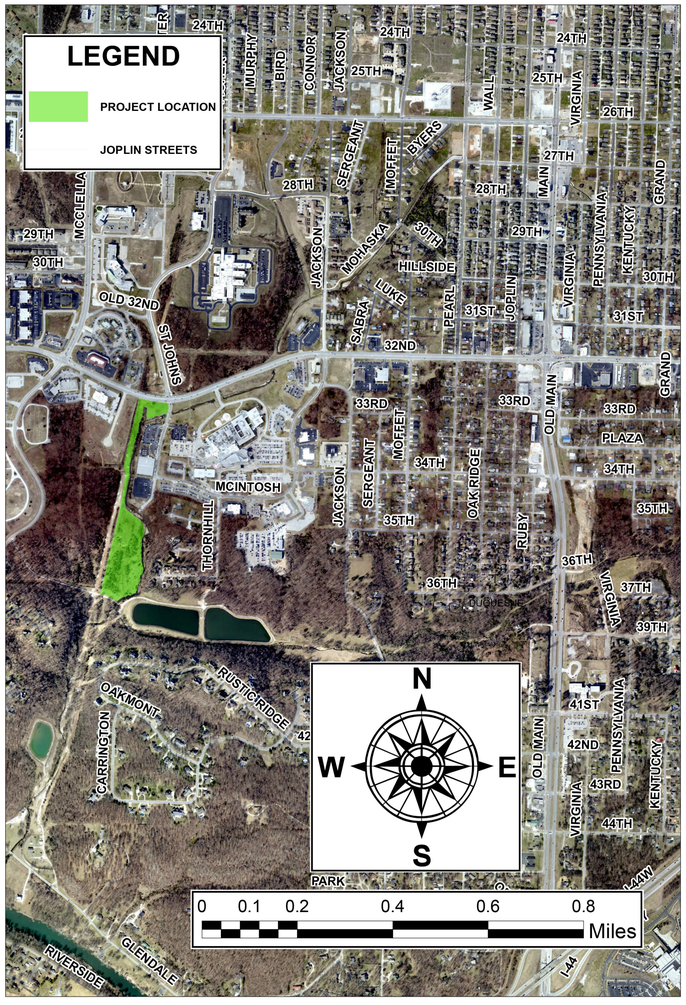
GENERAL NOTES:

1. MINOR ADJUSTMENTS TO TRAIL ALIGNMENT MAY BE EXPECTED. STAKED ALIGNMENT SHALL BE APPROVED BY THE OWNER PRIOR TO CONSTRUCTION.
2. ALL AREAS OF THE TRAIL ACCESS ROUTE MUST BE COMPLIANT WITH THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG)". EXCEPTIONS MUST BE APPROVED BY THE ENGINEER, ALL OTHER AREAS OF (NON-COMPLIANCE SHALL BE REMOVED AND CORRECTED AT THE CONTRACTOR'S EXPENSE.)
3. FINISHED TRAIL SHALL BE STABLE, SLIP RESISTANT AND SURFACE SHALL NOT POND WATER.
4. CROSS SLOPES SHALL BE A MINIMUM OF 1.0% TO FACILITATE DRAINAGE AND A MAXIMUM OF 2.0% TO BE USABLE FOR DISABLED INDIVIDUALS.
5. TRAIL RUNNING GRADE SHALL NOT EXCEED 5% UNLESS INDICATED OTHERWISE.
6. ENSURE THAT THE TRAIL IS FREE FROM ANY SHRUBBERY OR OVERHANGING LIMBS WITHIN A 16-FOOT WIDTH AND UP TO A HEIGHT OF 12 FEET.
7. LOCATIONS OF EXISTING UTILITIES AS SHOWN ON PLANS ARE APPROXIMATE, LOCATED WITH INFORMATION PROVIDED BY OTHERS. CONTRACTOR SHALL CONTACT ALL UTILITIES PRIOR TO EXCAVATION, AND SHALL BE RESPONSIBLE FOR THE EXACT LOCATION AND PRESERVATION OF ALL BURIED UTILITY LINES. UTILITY LOCATING SERVICE, SUCH AS (MISSOURI DIG-RITE), SHALL BE CONTACTED BY THE CONTRACTOR 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.
8. CP-* (CONTROL POINT) - SEE PLAN SHEETS FOR ELEVATIONS, LOCATIONS & DESCRIPTION.
9. NORTHING & EASTING INFORMATION CAN BE MADE AVAILABLE UPON CONTRACTORS REQUEST.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LINE AND GRADE STAKING REQUIRED TO COMPLETE THE PROJECT.
11. ALL CONSTRUCTION & EXCAVATION ACTIVITIES SHALL BE CONFINED TO EASEMENTS, RIGHT-OF-WAY AND/OR WORK AREA LIMITS AS SHOWN ON DRAWING. THE CONTRACTOR SHALL PROVIDE, PLACE AND MAINTAIN ALL BARRIERS (CONES, BARRELS, ETC.) AND SAFETY PERSONNEL (FLAGMEN) AS NECESSARY FOR A SAFE WORKING ENVIRONMENT.
12. CONTRACTOR SHALL REMOVE, PRESERVE, AND REPLACE ALL SIGNS, MAILBOXES, FENCES AND THE LIKE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENTS.
13. ALL SURFACES (CONCRETE, ASPHALT, GRAVEL OR DIRT) AND THEIR APPURTENANCES (CURBS, CULVERTS, ETC.) DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH LIKE MATERIALS PER PLANS & SPECIFICATIONS.
14. DURING ALL CONSTRUCTION ACTIVITIES, CARE SHALL BE TAKEN TO PREVENT DAMAGE TO ADJACENT STRUCTURES, BURIED PIPING & UTILITIES. REPAIR OF ALL STRUCTURES, PIPING &/OR UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE AT THE CONTRACTORS EXPENSE & TO THEIR ORIGINAL CONDITION.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL CONSTRUCTION WITH ALL UTILITIES AND APPROPRIATE GOVERNING BOARDS.
16. CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITY WITH ALL UTILITY COMPANIES, AND THE CITY OF JOPLIN.
17. TRAFFIC CONTROL PLAN MUST BE SUBMITTED TO TRAFFIC ENGINEER AND APPROVED 48 HOURS PRIOR TO ANY WORK BEING DONE IN 32ND STREET, McINTOSH CIRCLE AND OR GLENDALE RD.

* UNLESS OTHERWISE SPECIFIED, THE PROFILE OF THE TRAIL SHALL GENERALLY FOLLOW THE EXISTING GROUND ELEVATION WHILE TAKING ADVANTAGE OF TOPOGRAPHIC FEATURES AND TERRAIN TO PRODUCE A SMOOTH TRAIL PROFILE. SLIGHT ADJUSTMENTS IN THE PROFILE GRADE ARE EXPECTED TO REMOVE MINOR IRREGULARITIES AND PROMOTE DRAINAGE.

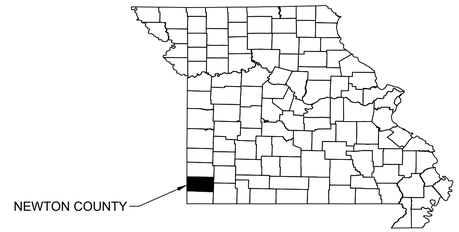
CONSTRUCTION PLANS
CITY OF JOPLIN
TIN CUP TRAIL PHASE 1
NEWTON COUNTY, MISSOURI

Project Location Map



SHEET LIST TABLE

SHEET NUMBER	SHEET TITLE
01	COVER SHEET
02	QUANTITIES AND CURVE TABLE
03	ADA RAMPS AND PAVEMENT MARKINGS
04-07	PLAN AND PROFILE
08	DETAIL SHEET
09	STANDARD DETAILS



UTILITIES		
WATER	SEWER	GAS
MISSOURI AMERICAN WATER CO.	CITY OF JOPLIN	SPIRE
MATT BARNHART	DAN JOHNSON	KEN STEGALL
2650 E. 32ND ST.	602 S. MAIN ST.	520 E. 5TH STREET
JOPLIN MO. 64801	JOPLIN MO. 64801	JOPLIN MO. 64801
417-626-4815	417-624-0820	314-341-0973

CONTROL POINT TABLE

Point #	Elevation	Northing	Easting	Description
10	930.71	321894.94	2779813.62	CP #2
201	964.66	322967.49	2779943.75	CP #1 60D SRCH

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New Trail.dwg

CITY OF Joplin

CITY OF JOPLIN, MISSOURI
PUBLIC WORKS DEPARTMENT
DIVISION OF ENGINEERING

ADDRESS: 602 S MAIN ST 64801
PH NO: 417-624-0820 EXT 1530
FAX NO: 417-625-4738
E-MAIL: DJOHNSO1@JOPLINMO.ORG

REV DATE:	REVISION:
XX/XX	PROJECT CHECK

SVYD BY: ALLGEIER MARTIN
PNT FILE: N/A.TXT
SVY DATE: 07/2023
ENGINEER: JOHNSON

ACAD DWG FILE & PATH NAME: TRAIL\TIN CUP
SCALES: NTS

DWN BY: PRINGLE
CKD BY: JOHNSON
APD BY: JOHNSON
DATE: 06/2024

PROJECT
TIN CUP TRAIL
TITLE SHEET

PLAN NO: 8534
SHEET
01 of 12

QUANTITIES:

CONCRETE REMOVALS = 79 SQ. YDS
CURB AND GUTTER REMOVALS = 86 L.F.
CURB AND GUTTER INSTALLATION = 61 L.F.
2" ASPHALT BP-2 = 3,932 SQ. YDS
4" BITUMINOUS BASE = 3,932 SQ. YDS
6" CONCRETE SIDEWALK = 135 SQ. YDS
6" CONCRETE TRAIL = 143 SQ. YDS
18" RCP INCLUDES BEDDING = 66 L.F.
18" RCP 6' FLARED END SECTIONS = 6 EA.
19" x 30" RCP INCLUDES BEDDING = 19 L.F.
19" x 30" 6' FLARED ENDSECTIONS = 2 EA.
TYPE 2 ROCK LINING = 18 CU. YDS
POST AND CABLE FENCE = 740 L.F.
12" x 18" "DO NOT CLIMB WALL" SIGN WITH SIGN POST INSTALLED = 13 EA.
MOBILIZATION = 1 LS
TYPE 1 AGGREGATE FOR BASE (4" THICK) = 3900 SQ. YDS
HANDRAIL W/ CURB = 125 L.F. OF HANDRAIL
BLACK DIRT SEED AND MULCH = 2 ACRES
UNCLASSIFIED EXCAVATION = 75 CU. YDS
EMBANKMENT IN PLACE W/ COMPACTION = 1,600 CU. YDS
CONCRETE RETAINING WALL AVERAGE 2.5' TALL = 57 L.F.
TREE REMOVAL = LS
CLEARING AND GRUBBING = LS
EROSION AND SEDIMENT CONTROL = LS
TRAFFIC CONTROL PER MUTCD = LS
THERMO 6" CROSSWALK MARKINGS = 334 L.F.
THERMO 2'-0" STOP BAR = 104 L.F.
ADA RAMPS = 52 SQ. YDS
REMOVAL OF UNSUITABLE MATERIAL = 50 CU. YDS
BACKFILL OF UNSUITABLE = 50 CU. YDS
RAISE MANHOLE TO GRADE = 2 EA.
BENCH PAD = 1 EA.
4" YELLOW ACRYLIC COPOLYMER FAST DRY PAVEMENT MARKING PAINT = 2894 L.F.
BOLLARD "SEE SPECIAL PROVISIONS" = 1 EA.

Curve Table

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	75.00	18.09	N77° 44' 09.66"W	(2779973.41,322897.34)	(2779955.78,322901.17)
C2	75.00	43.26	S78° 49' 51.21"W	(2779938.69,322902.77)	(2779896.84,322894.51)
C3	32.00	36.08	S30° 00' 22.52"W	(2779894.22,322893.13)	(2779877.11,322863.52)
C4	75.00	47.66	S15° 54' 39.46"W	(2779877.99,322841.75)	(2779865.14,322796.68)
C5	20.00	12.49	S16° 13' 24.23"W	(2779859.94,322789.01)	(2779856.51,322777.21)
C6	75.00	34.25	S11° 24' 38.73"W	(2779858.11,322722.13)	(2779851.40,322688.85)
C7	75.00	36.09	S10° 42' 28.87"W	(2779840.13,322664.12)	(2779833.49,322629.00)
C8	75.00	46.79	S14° 47' 54.18"W	(2779834.58,322608.75)	(2779822.82,322564.24)
C9	75.00	46.08	S15° 04' 09.26"W	(2779815.84,322553.36)	(2779804.05,322509.56)
C10	75.00	39.23	S12° 27' 04.32"W	(2779804.79,322492.86)	(2779796.42,322454.98)
C11	75.00	27.74	S16° 50' 25.27"W	(2779778.01,322419.51)	(2779770.02,322393.11)
C12	75.00	30.71	S17° 58' 32.28"W	(2779763.37,322332.34)	(2779753.96,322303.33)
C13	75.00	52.68	S9° 35' 01.29"W	(2779737.79,322275.00)	(2779729.20,322224.11)
C14	75.00	13.80	S5° 16' 11.10"E	(2779738.71,322173.00)	(2779739.97,322159.28)
C15	75.00	25.45	S9° 43' 18.61"W	(2779739.97,322141.43)	(2779735.70,322116.46)
C16	250.00	32.54	S16° 34' 15.55"W	(2779696.56,322010.67)	(2779687.29,321979.51)
C17	550.00	120.43	S6° 34' 10.35"W	(2779616.40,321668.54)	(2779602.65,321549.14)
C18	45.00	60.24	S38° 03' 13.29"E	(2779602.63,321545.84)	(2779637.05,321501.86)
C19	35.00	47.72	S37° 20' 53.94"E	(2779828.37,321455.59)	(2779855.13,321420.53)
C20	115.00	36.47	S10° 47' 29.72"W	(2779846.47,321130.09)	(2779839.67,321094.41)

Curve Table

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C21	130.00	132.26	S49° 01' 15.76"W	(2779769.94,320901.53)	(2779674.34,320818.49)
C22	300.00	72.10	S85° 03' 04.96"W	(2779576.73,320798.04)	(2779505.07,320791.83)
C23	40.00	27.50	S72° 14' 39.40"W	(2779483.05,320792.57)	(2779457.38,320784.35)

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CITY OF Joplin

CITY OF JOPLIN, MISSOURI
PUBLIC WORKS DEPARTMENT
DIVISION OF ENGINEERING

ADDRESS: 602 S MAIN ST 64801
PH NO: 417-624-0820 EXT 1530
FAX NO: 417-625-4738
E-MAIL: DJOHNSO1@JOPLINMO.ORG

REV DATE:	REVISION:
XX/XX	PROJECT CHECK

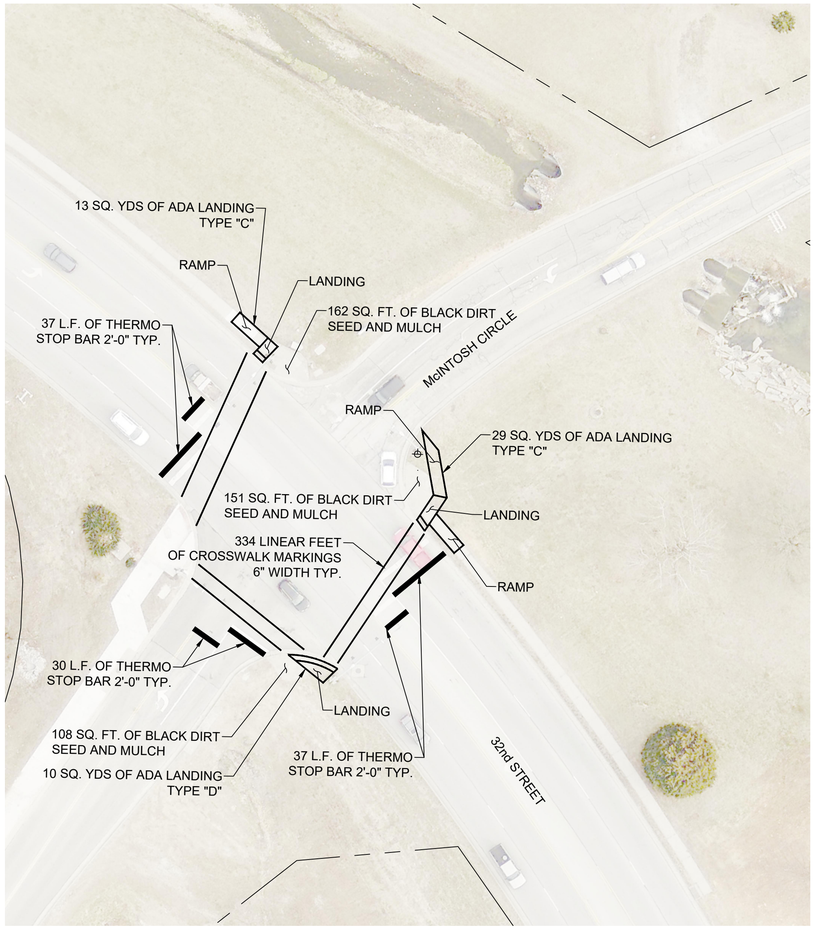
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PNT FILE: N/A.TXT
SVY DATE: 07/2023
ENGINEER: JOHNSON

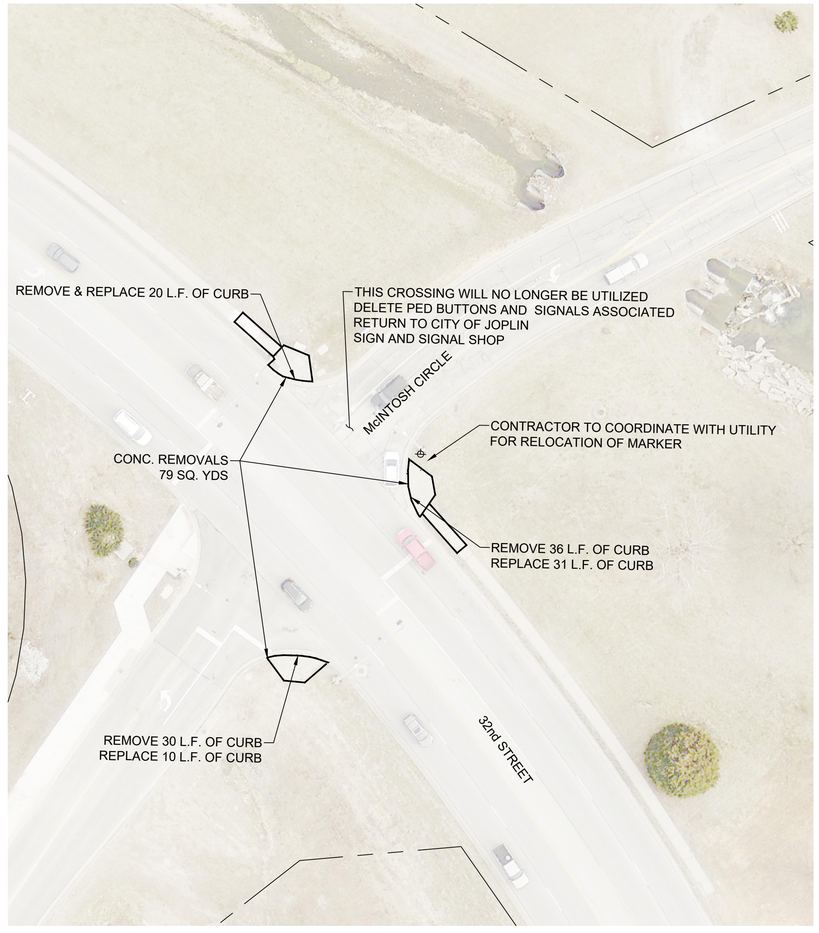
ACAD DWG FILE & PATH NAME: TRAIL\TIN CUP
SCALES: NTS

DWN BY: PRINGLE
CKD BY: JOHNSON
APD BY: JOHNSON
DATE: 06/2024

PROJECT
QUANTITIES AND CURVE TABLES

PLAN NO: 8534
SHEET
02 of 12





GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET

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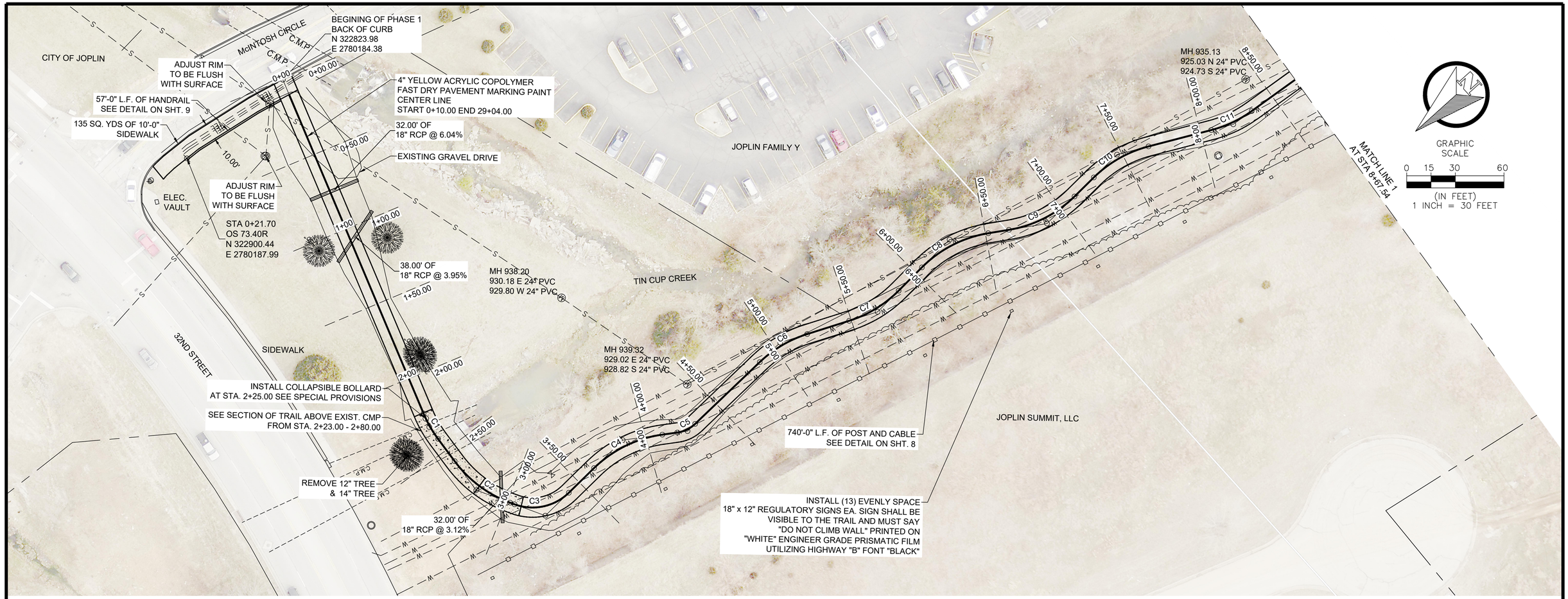
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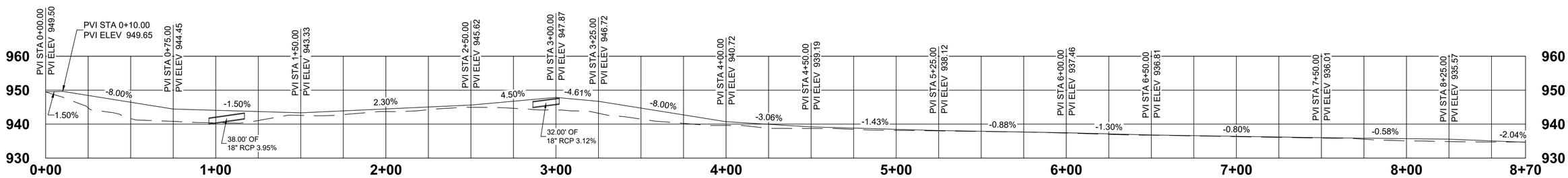
ACAD DWG FILE & PATH NAME: TRAIL/TIN CUP
SCALES: HORZ: 1" = 30'

DWN BY: PRINGLE
CKD BY: JOHNSON
APD BY: JOHNSON
DATE: 06/2024

PROJECT
ADA RAMPS AND PAVEMENT MARKINGS

PLAN NO: 8534
SHEET
03 of 12





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MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP - CALL BEFORE YOU DIG!

CITY OF Joplin	CITY OF JOPLIN, MISSOURI PUBLIC WORKS DEPARTMENT DIVISION OF ENGINEERING	ADDRESS: 602 S MAIN ST 64801 PH NO: 417-624-0820 EXT 1530 FAX NO: 417-625-4738 E-MAIL: DJOHNSO1@JOPLINMO.ORG	REV DATE: XX/XX	REVISION: PROJECT CHECK	SVYD BY: ALLGEIER MARTIN PNT FILE: N/A.TXT SVY DATE: 06/2024 ENGINEER: JOHNSON	ACAD DWG FILE & PATH NAME: TRAIL/TIN CUP SCALES: HORZ: 1" = 30' VERT: 1" = 10'	DWN BY: PRINGLE CKD BY: JOHNSON APD BY: JOHNSON DATE: 08/2023	PROJECT TRAIL PLAN & PROFILE	PLAN NO: 8534 SHEET 04 of 12

JOPLIN FAMILY Y

CP #2
N=321894.94
E=2779813.62
930.71

JOPLIN FAMILY Y

JOPLIN FAMILY Y

C/L PROPOSED PEDESTRIAN BRIDGE

TIN CUP CREEK

GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET

MATCH LINE 2
AT STA 17+17.58

MH 934.32
923.32 N 24" PVC
923.22 S 24" PVC

MH 930.96
920.66 N 14" PVC
920.71 S 14" PVC

MH 931.10
917.20 N 14" PVC
917.20 S 14" PVC

9+00.00
9+50.00
10+00.00
10+50.00
11+00.00
11+50.00
12+00.00
12+50.00
13+00.00
13+50.00
14+00.00
14+50.00
15+00.00
15+50.00
16+00.00
16+50.00
17+00.00

C12
C13
C14
C15
C16
C17

REMOVE 7" TREE
REMOVE 8" TREE
REMOVE 8" TREE
REMOVE 8" TREE
REMOVE 10" TREE

31.00' OF
19" x 30" RCP @ 0.56%

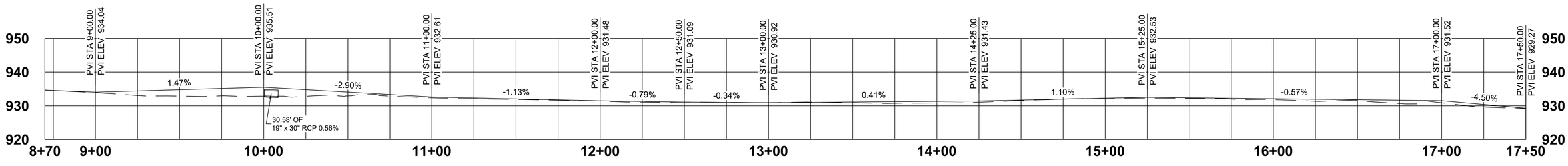
MH 935.47
931.17 W 8" PVC
930.92 E 8" PVC

MATCH LINE 1
AT STA 8+67.54

740'-0" L.F. OF POST AND CABLE
SEE DETAIL ON SHT. 8

CITY OF JOPLIN

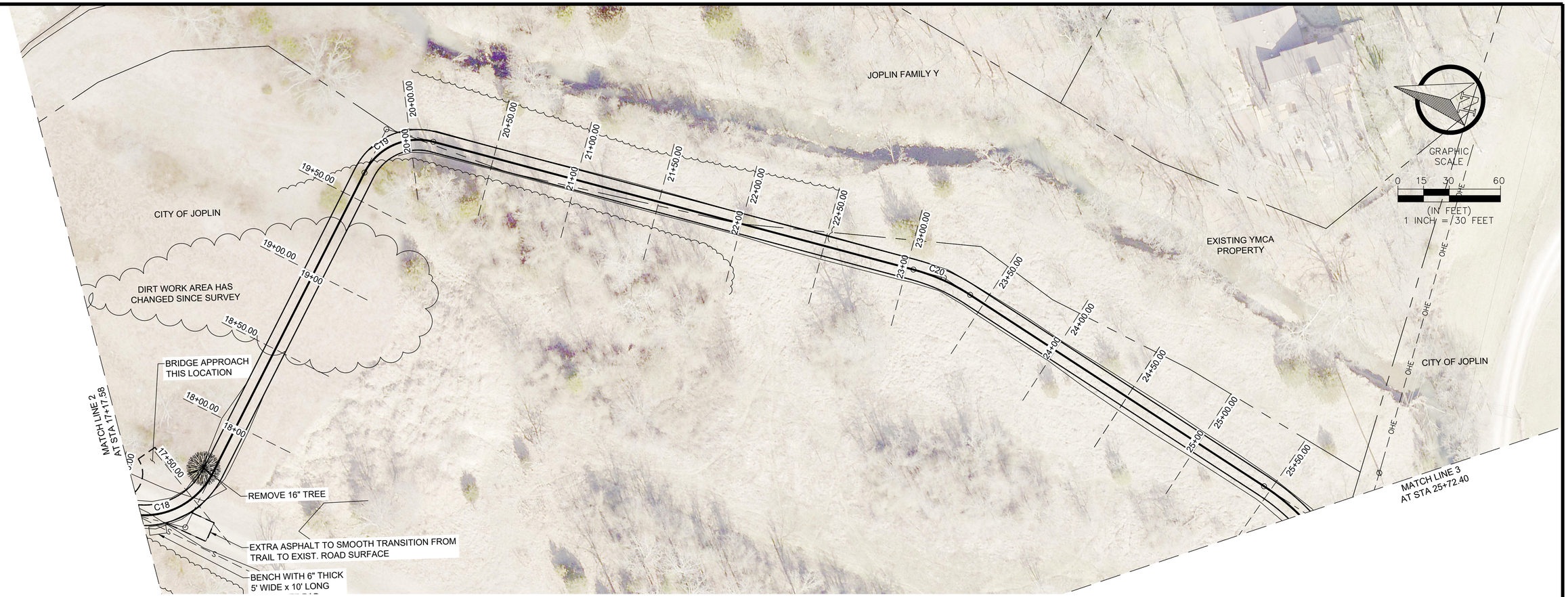
JOPLIN SUMMIT, LLC

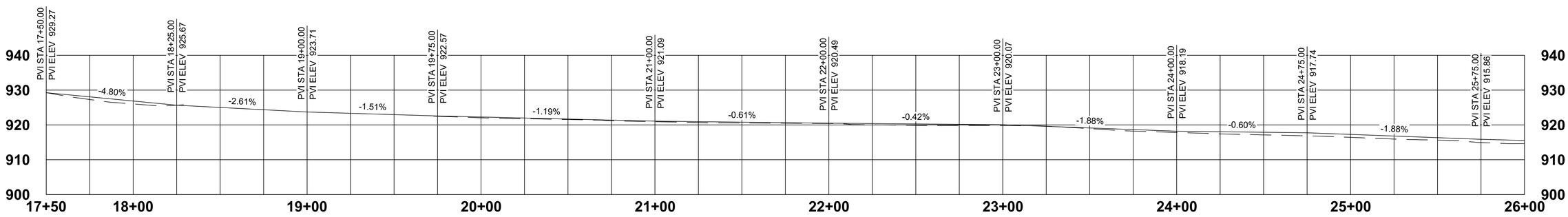


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CITY OF Joplin	CITY OF JOPLIN, MISSOURI PUBLIC WORKS DEPARTMENT DIVISION OF ENGINEERING	ADDRESS: 602 S MAIN ST 64801 PH NO: 417-624-0820 EXT 1530 FAX NO: 417-625-4738 E-MAIL: DJOHNSO1@JOPLINMO.ORG	REV DATE: XX/XX	REVISION: PROJECT CHECK	SVYD BY: ALLGEIER MARTIN PNT FILE: N/A.TXT SVY DATE: 06/2024 ENGINEER: JOHNSON	ACAD DWG FILE & PATH NAME: TRAIL/TIN CUP SCALES: HORZ: 1" = 30' VERT: 1" = 10'	DWN BY: PRINGLE CKD BY: JOHNSON APD BY: JOHNSON DATE: 08/2023	PROJECT TRAIL PLAN & PROFILE	PLAN NO: 8534 SHEET 05 of 12





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CITY OF Joplin	CITY OF JOPLIN, MISSOURI PUBLIC WORKS DEPARTMENT DIVISION OF ENGINEERING	ADDRESS: 602 S MAIN ST 64801 PH NO: 417-624-0820 EXT 1530 FAX NO: 417-625-4738 E-MAIL: DJOHNSO1@JOPLINMO.ORG	REV DATE: XX/XX	REVISION: PROJECT CHECK	SVYD BY: ALLGEIER MARTIN PNT FILE: N/A.TXT SVY DATE: 06/2024 ENGINEER: JOHNSON	ACAD DWG FILE & PATH NAME: TRAIL/TIN CUP SCALES: HORZ: 1" = 30' VERT: 1" = 10'	DWN BY: PRINGLE CKD BY: JOHNSON APD BY: JOHNSON DATE: 08/2023	PROJECT TRAIL PLAN & PROFILE	PLAN NO: 8534 SHEET 06 of 12

NOTE:
CONTRACTOR TO START PHASE 2
WHERE PHASE 1 ENDS

CITY OF JOPLIN

END OF PHASE 1
BEGINING OF PHASE 2
N=320781.53
E=2779453.69

MH 918.68
909.18 SE 12" PVC
909.08 N 12" PVC

EXTRA ASPHALT TO SMOOTH TRANSITION FROM
TRAIL TO EXIST. ROAD SURFACE

GAS MARKER

GAS MARKER

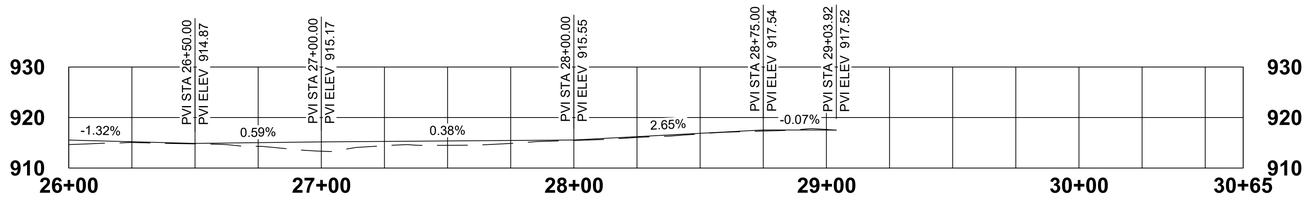
GAS MARKER

MATCH LINE 3
AT STA 25+72.40

C21 C22 C23

26+00.00 26+50.00 27+00.00 27+50.00 28+00.00 28+50.00 29+00.35 29+04.00

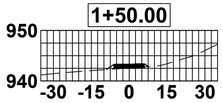
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET

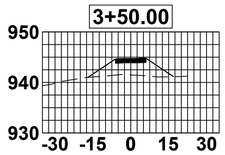


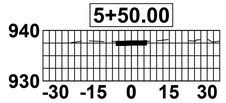
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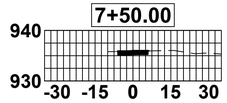
New Trail.dwg

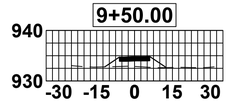
CITY OF JOPLIN, MISSOURI PUBLIC WORKS DEPARTMENT DIVISION OF ENGINEERING	ADDRESS: 602 S MAIN ST 64801	REV DATE:	REVISION:	SVYD BY: ALLGEIER MARTIN	ACAD DWG FILE & PATH NAME: TRAIL/TIN CUP	DWN BY: PRINGLE	PROJECT TRAIL PLAN & PROFILE	PLAN NO: 8534
	PH NO: 417-624-0820 EXT 1530	XX/XX	PROJECT CHECK	PNT FILE: N/A.TXT		CKD BY: JOHNSON		SHEET 07 of 12
	FAX NO: 417-625-4738			SVY DATE: 06/2024	SCALES: HORZ: 1" = 30' VERT: 1" = 10'	APD BY: JOHNSON		
	E-MAIL: DJOHNSO1@JOPLINMO.ORG			ENGINEER: JOHNSON		DATE: 08/2023		

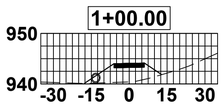


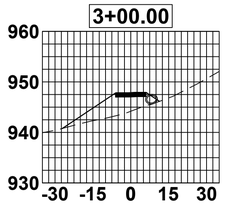


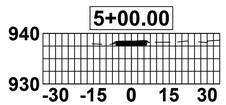


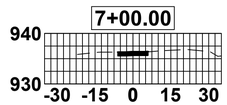


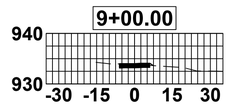


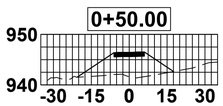


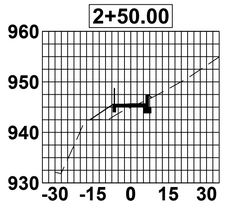


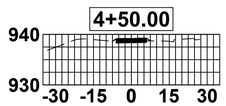


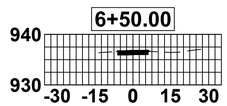


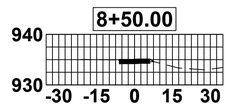


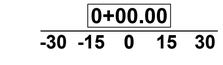


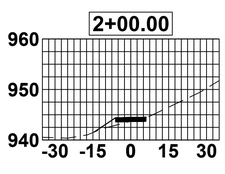


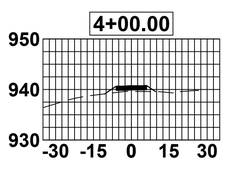


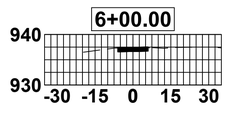


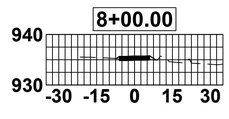














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PUBLIC WORKS DEPARTMENT
DIVISION OF ENGINEERING

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FAX NO: 417-625-4738
E-MAIL: DJOHNSO1@JOPLINMO.ORG

REV DATE:	REVISION:
XX/XX	PROJECT CHECK

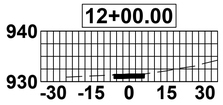
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PNT FILE: N/A.TXT
SVY DATE: 06/2024
ENGINEER: JOHNSON

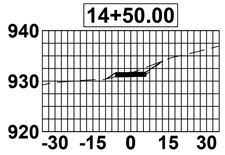
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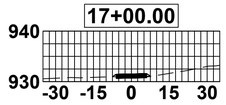
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DATE: 06/2024

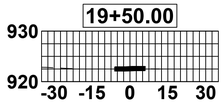
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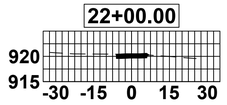
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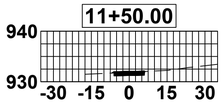


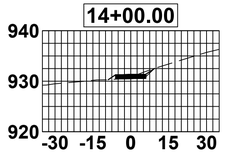


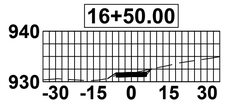


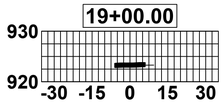


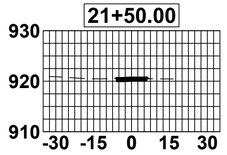


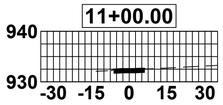


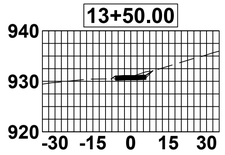


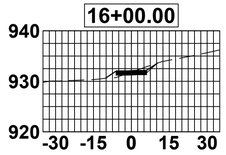


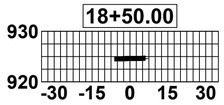


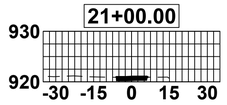


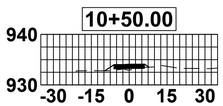


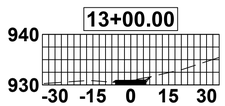


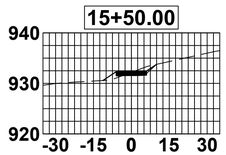


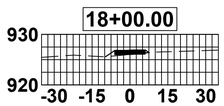


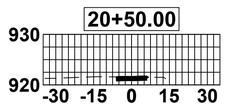


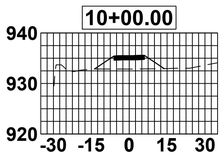


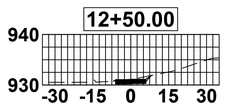


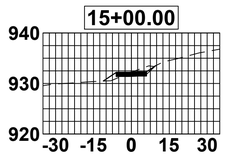


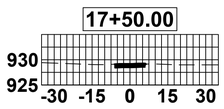


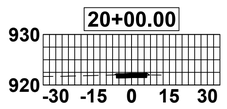


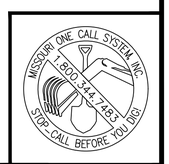












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DIVISION OF ENGINEERING

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FAX NO: 417-625-4738
E-MAIL: DJOHNSO1@JOPLINMO.ORG

REV DATE:	REVISION:
XX/XX	PROJECT CHECK

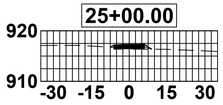
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PNT FILE: N/A.TXT
SVY DATE: 07/2023
ENGINEER: JOHNSON

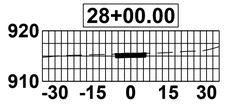
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VERT: 1" = 10'

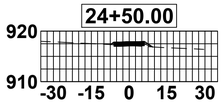
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CKD BY: JOHNSON
APD BY: JOHNSON
DATE: 06/2024

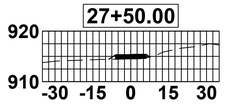
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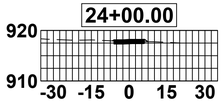
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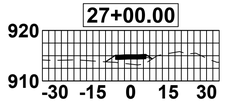


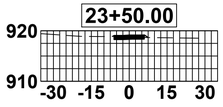


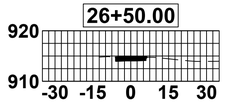


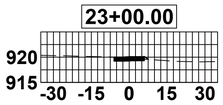


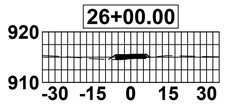


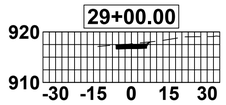


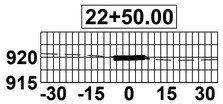


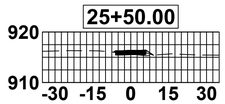


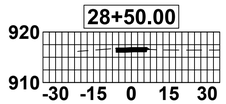












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REV DATE:	REVISION:
XX/XX	PROJECT CHECK

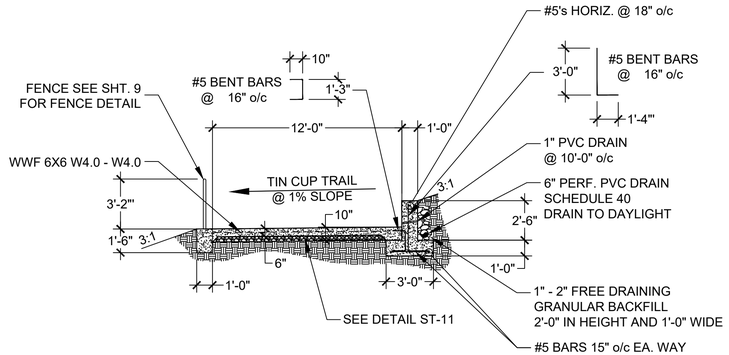
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PNT FILE: N/A.TXT
SVY DATE: 07/2023
ENGINEER: JOHNSON

ACAD DWG FILE & PATH NAME: TRAIL/TIN CUP
SCALES: HORZ: 1" = 30'
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DWN BY: PRINGLE
CKD BY: JOHNSON
APD BY: JOHNSON
DATE: 06/2024

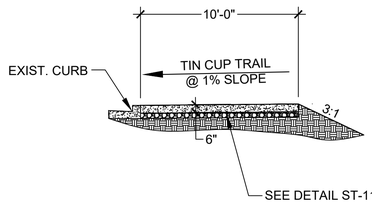
PROJECT
TIN CUP TRAIL SECTIONS

PLAN NO: 8534
SHEET
10 of 12

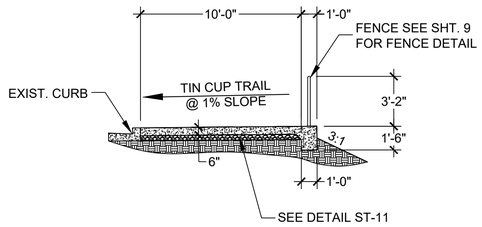


SECTION OF TRAIL ABOVE EXIST. CMP

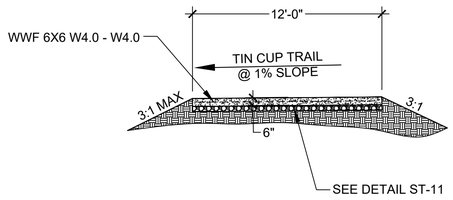
STA. 2+23.00-2+80.00



SECTION OF TRAIL 10'-0" SIDEWALK ALONG McINTOSH WITHOUT HANDRAIL



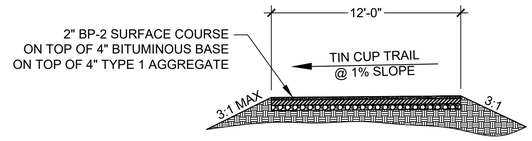
SECTION OF TRAIL 10'-0" SIDEWALK ALONG McINTOSH WITH HANDRAIL



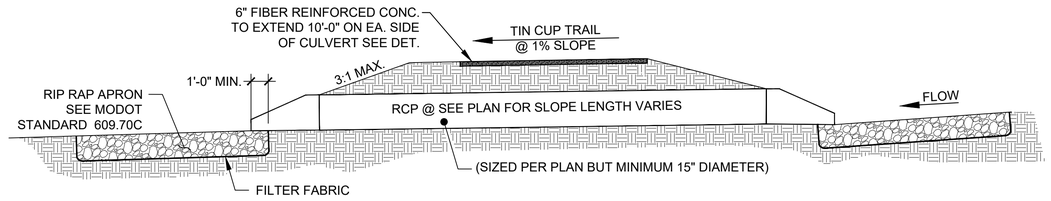
SECTION OF TRAIL 12'-0" ABOVE RCP CULVERTS

STA. 2+80.00-3+10.00

STA. 9+93.00-10+13.00

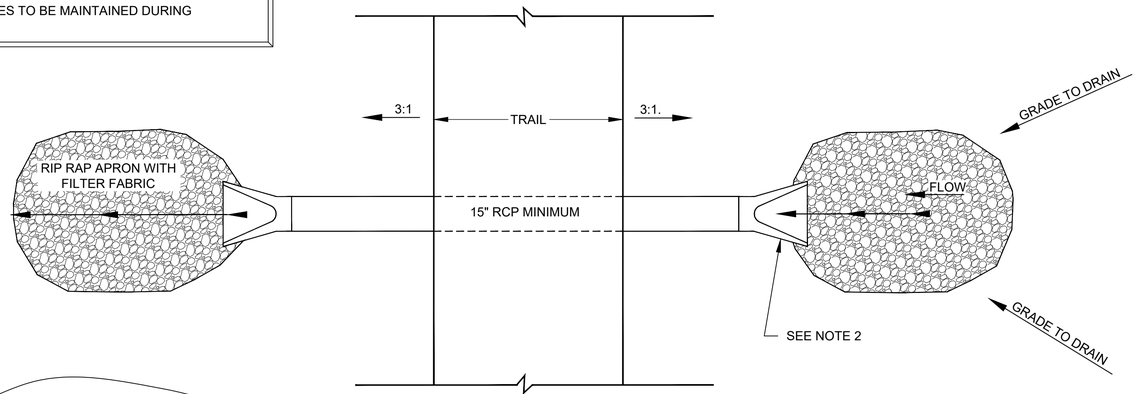


TYPICAL SECTION OF TRAIL 12'-0"

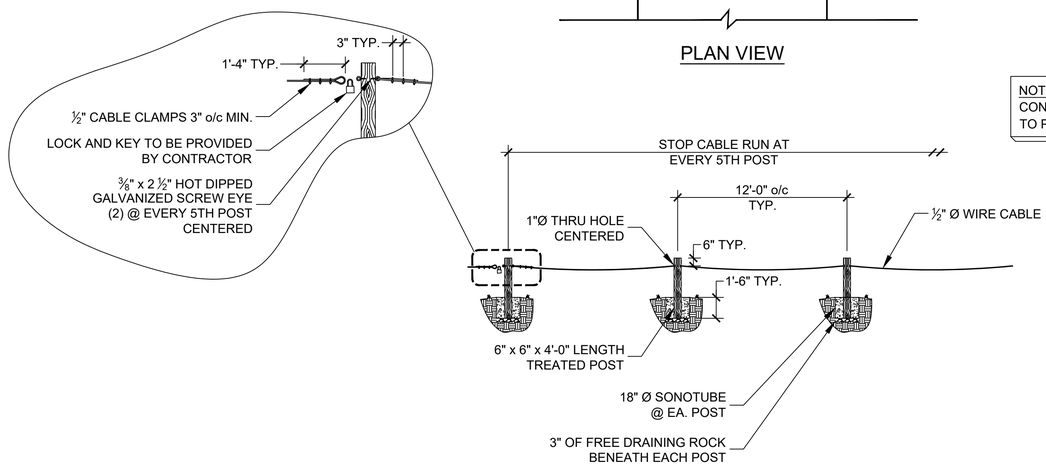


PROFILE VIEW

NOTES:
1. FLARED END SECTIONS SHALL BE INSTALLED AT EA. END OF PIPE.
2. BACKFILL PIPE TRENCH PER CITY OF JOPLIN STANDARDS AND SPECIFICATIONS
3. MAXIMUM 3:1 SIDE SLOPES TO BE MAINTAINED DURING CONSTRUCTION.



PLAN VIEW



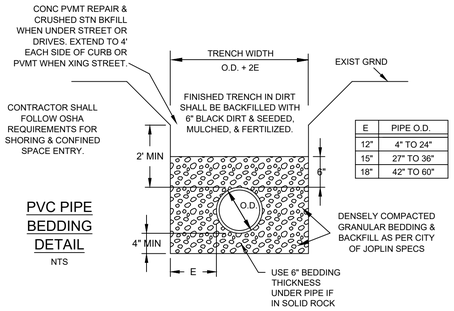
POST AND CABLE FENCE DETAIL

NOTE:
CONTRACTOR MUST WAIT TILL FOOTINGS HAVE CURED TO PULL CABLE THROUGH AND SECURING POSTS

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP. CALL BEFORE YOU DIG.

New Trail.dwg

CITY OF Joplin	CITY OF JOPLIN, MISSOURI PUBLIC WORKS DEPARTMENT DIVISION OF ENGINEERING	ADDRESS: 602 S MAIN ST 64801 PH NO: 417-624-0820 EXT 1530 FAX NO: 417-625-4738 E-MAIL: DJOHNSO1@JOPLINMO.ORG	REV DATE: XX/XX	REVISION: PROJECT CHECK	SVYD BY: ALLGEIER MARTIN PNT FILE: N/A.TXT SVY DATE: 07/2023 ENGINEER: JOHNSON	ACAD DWG FILE & PATH NAME: TRAIL/TIN CUP SCALES: NTS	DWN BY: PRINGLE CKD BY: JOHNSON APD BY: JOHNSON DATE: 06/2024	PROJECT TIN CUP TRAIL DETAILS	PLAN NO: 8534 SHEET 11 of 12



E	PIPE O.D.
12"	4" TO 24"
15"	27" TO 36"
18"	42" TO 60"

PVC PIPE BEDDING DETAIL

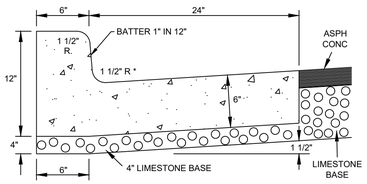
NTS

SAN-01

CITY OF JOPLIN, MO	CKD BY: JOHNSON
PUBLIC WORKS DEPT	DATE: 12/2020
ENGINEERING DIVISION	ENGINEER: HERTZBERG
602 S MAIN ST 64801	FILE: BEDDET

PROJECT: PVC PIPE BEDDING DETAIL

* = OPTIONAL WITH APPROVAL BY CITY ENGINEER.



NOTES:
1. CONSTRUCT EXPANSION JOINTS AT THE START & END OF EVERY DRIVEWAY & CURB INLET.
2. CONSTRUCT CONTRACTION JOINTS EVERY 12.5' MAXIMUM.
3. JOINT MATERIAL TO EXTEND THRU C & G, FRONT TO BACK, & NEATLY TRIMMED TO MATCH C0NC SURFACE.
4. FLOAT GROUT TO SURFACE ON EXPOSED SURFACES.
5. ALL POURED CONCRETE SHALL BE CLASS 'B'.

STD UPRIGHT C & G

N.T.S.

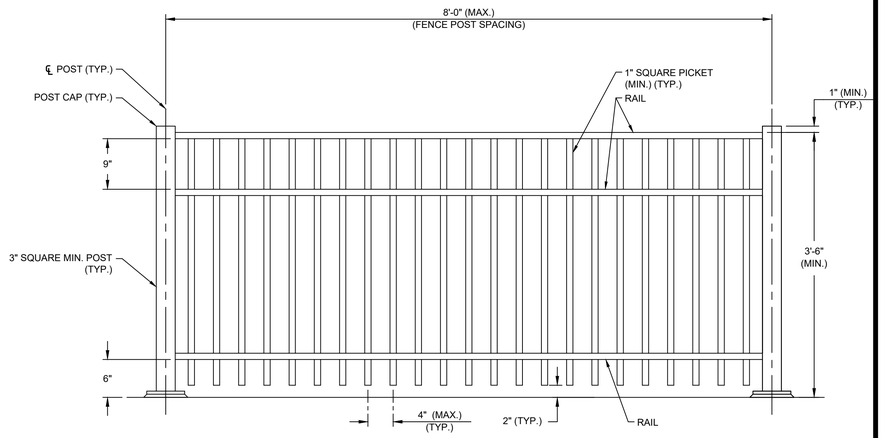
ST-04

CITY OF JOPLIN, MO	CKD BY: JOHNSON
PUBLIC WORKS DEPT	DATE: 12/2020
ENGINEERING DIVISION	ENGINEER: HERTZBERG
602 S MAIN ST 64801	FILE: CURBDET

PROJECT: STD UPRIGHT CURB & GUTTER

GENERAL NOTES:
THE DESIGN LIVE LOAD FOR PEDESTRIAN RAILINGS SHALL BE IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS EXCEPT THAT A UNIFORM LOAD OF 50 LB/FT AND CONCENTRATED LOAD OF 200 LB NEED NOT BE APPLIED SIMULTANEOUSLY. THE POSTS OF PEDESTRIAN FENCING WILL REQUIRE BOTH LOADINGS APPLIED SIMULTANEOUSLY.
FENCE SHALL HAVE A GLOSS BLACK FINISH (FEDERAL STANDARD #17038) SYSTEM "G" IN ACCORDANCE WITH SEC 1081 OF THE 2019 MODOT STANDARD SPECIFICATIONS.
BASE PLATE SHALL BE ASTM A 709, GRADE 36.
DIMENSIONS OF PEDESTRIAN FENCE ARE MEASURED HORIZONTALLY.
MEASUREMENT OF PEDESTRIAN FENCE WILL BE MADE TO THE NEAREST LINEAR FOOT ALONG CENTERLINE FENCE FROM CENTERLINE TO CENTERLINE AT END POST.
PAYMENT FOR FURNISHING AND ERECTING THE FENCE, COMPLETE IN PLACE, WITH ANCHORS AND WASHERS WILL BE CONSIDERED COMPLETELY COVERED BY THE CONTRACT UNIT PRICE FOR PEDESTRIAN FENCE.
ALL FENCE POSTS SHALL BE VERTICAL.
NON SHRINK GROUT SHALL BE PLACED UNDER THE POST BASE PLATES AS NEEDED.
CONTRACTOR SHALL SUBMIT COMPLETE DETAILED SHOP DRAWINGS IN ACCORDANCE WITH SEC 1080 OF THE 2019 MODOT STANDARD SPECIFICATIONS.
THE CONTRACTOR SHALL HAVE THE DECORATIVE PEDESTRIAN FENCING MANUFACTURER SUBMIT STRUCTURAL DESIGN COMPUTATIONS SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF MISSOURI.
ALL MATERIALS USED IN FABRICATION AND CONSTRUCTION OF THE DECORATIVE PEDESTRIAN FENCING SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS, EXCEPT AS MODIFIED IN THE CONTRACT DOCUMENTS.
DECORATIVE PEDESTRIAN FENCING SYSTEM SHALL BE SUPPLIED BY ONLY ONE OF THE FOLLOWING MANUFACTURERS. FENCING SYSTEM SHALL INCLUDE ALL COMPONENTS EXCEPT THE ANCHOR BOLTS.
THE ASSEMBLY OF THE PICKETS TO THE RAILS AND THE RAILS TO THE POSTS SHALL BE THE SAME AS THE STYLE MENTIONED FOR THE MANUFACTURER.

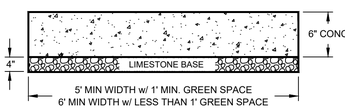
NOTE:
THIS FENCE DETAIL APPLIES TO PHASE 2 AND THE PEDESTRIAN BRIDGE AS WELL



* EXPANSION JOINTS SHALL BE PROVIDED PER THE MANUFACTURER'S RECOMMENDATION.
** IF POST SIZE IS LARGER THAN 3" THEN BASE PLATE SIZE MAY NEED TO BE INCREASED TO PROVIDE CLEARANCE TO SCREW ANCHORS

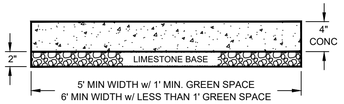
(TYP.) FENCE ELEVATION

N.T.S.



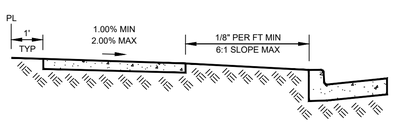
CLASS 'A' CONC SIDEWALK

NTS



CLASS 'B' CONC SIDEWALK

NTS



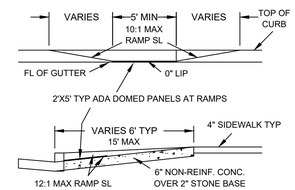
NOTES:
1. CONSTRUCT EXPANSION JOINTS AT CURB INLETS.
2. CONSTRUCT CONTRACTION JOINTS EVERY 10' MAXIMUM.
3. USE CLASS 'B1' CONCRETE.
4. REINFORCEMENT IS OPTIONAL.
5. CROSS SLOPE OF WALK & DIRT BACKSLOPE CAN SLOPE AWAY FROM CURB IN FILL.

ST-11

CITY OF JOPLIN, MO	CKD BY: JOHNSON
PUBLIC WORKS DEPT	DATE: 6/2024
ENGINEERING DIVISION	ENGINEER: JOHNSON
602 S MAIN ST 64801	FILE: SIDEWALK

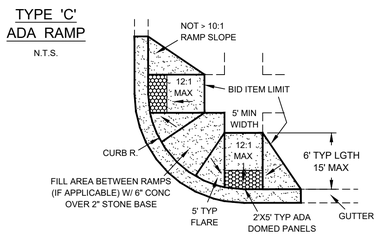
PROJECT: TIN CUP TRAIL CONC SIDEWALK DETAILS

NOTES:
1. ALL GUTTER CONST IN FRONT OF RAMP & ALL C&G IN RAMP TRANSITIONS SHALL BE INCLUDE IN THE BID PRICE OF THE C&G.
2. BID PRICE (PAID BY SY) FOR ALL RAMPS SHALL INCLUDE ALL EXCAVATION, LABOR, & MATERIALS REQUIRED TO CONST RAMP (THIS INCLUDES TRUNCATED DOMES).
3. ALL POURED CONC SHALL BE CLASS 'B' FIBER REINFORCED.
4. RAMPS SHALL NOT EXCEED 30" VERTICALLY WITHOUT 5' X 5' LANDING.



TYPE 'C' ADA RAMP

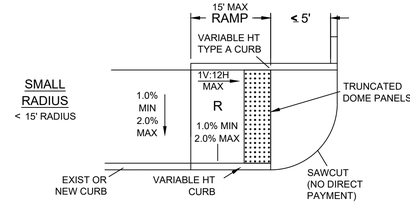
N.T.S.



ST-16

CITY OF JOPLIN, MO	CKD BY: JOHNSON
PUBLIC WORKS DEPT	DATE: 10/2021
ENGINEERING DIVISION	ENGINEER: HERTZBERG
602 S MAIN ST 64801	FILE: TYPECADARAMP

PROJECT: TYPE 'C' ADA RAMP



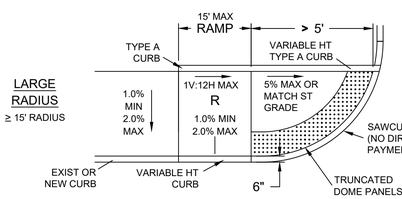
SMALL RADIUS

< 15' RADIUS

NOTES:
1. BID PRICE (PAID BY SY) FOR ALL RAMPS SHALL INCLUDE ALL EXCAVATION, LABOR, & MATERIALS REQUIRED TO CONSTRUCT RAMP (THIS INCLUDES TRUNCATED DOME PANELS).
2. ALL POURED CONCRETE SHALL BE CLASS 'B', 6" THICK, FIBER REINFORCED WITH 2" COMPACTED STONE.
3. DETECTABLE WARNING DEVICES REQUIRED AT PUBLIC STREET & SIGNALIZED ENTRANCES.
4. RAMP WIDTH MAY BE REDUCED TO 4' WITH APPROVAL OF THE ENGINEER.
5. TYPE A CURB & ADA DOMED PAVERS SHALL BE INCLUDED IN PRICE OF RAMP.
6. RAMPS SHALL NOT EXCEED 30" VERTICALLY WITHOUT 5' X 5' LANDING.

TYPE 'D' ADA RAMP

N.T.S.



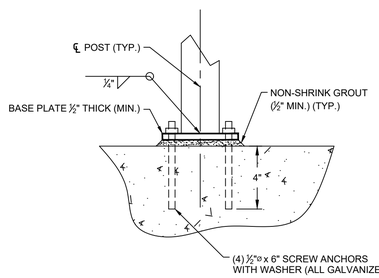
LARGE RADIUS

≥ 15' RADIUS

ST-17

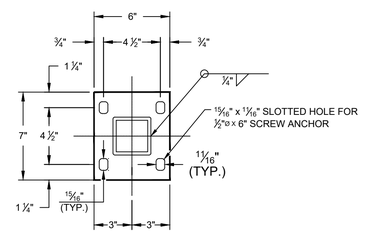
CITY OF JOPLIN, MO	CKD BY: JOHNSON
PUBLIC WORKS DEPT	DATE: 10/2021
ENGINEERING DIVISION	ENGINEER: HERTZBERG
602 S MAIN ST 64801	FILE: TYPEDADARAMP

PROJECT: TYPE 'D' ADA RAMP



POST CONNECTION (TYP.)

N.T.S.



BASE PLATE DETAIL

N.T.S.

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP - CALL BEFORE YOU DIG!

New Trail.dwg

CITY OF JOPLIN, MISSOURI PUBLIC WORKS DEPARTMENT DIVISION OF ENGINEERING	ADDRESS: 602 S MAIN ST 64801	REV DATE:	REVISION:	SVYD BY: ALLGEIER MARTIN	ACAD DWG FILE & PATH NAME: TRAIL/TIN CUP	DWN BY: PRINGLE	PROJECT: TIN CUP TRAIL STANDARD DETAILS	PLAN NO: 8534
	PH NO: 417-624-0820 EXT 1530	XX/XX	PROJECT CHECK	PNT FILE: N/A.TXT		CKD BY: JOHNSON		SHEET: 12 of 12
	FAX NO: 417-625-4738			SVY DATE: 07/2023	SCALES: NTS	APD BY: JOHNSON		
	E-MAIL: DJOHNSO1@JOPLINMO.ORG			ENGINEER: JOHNSON		DATE: 06/2024		